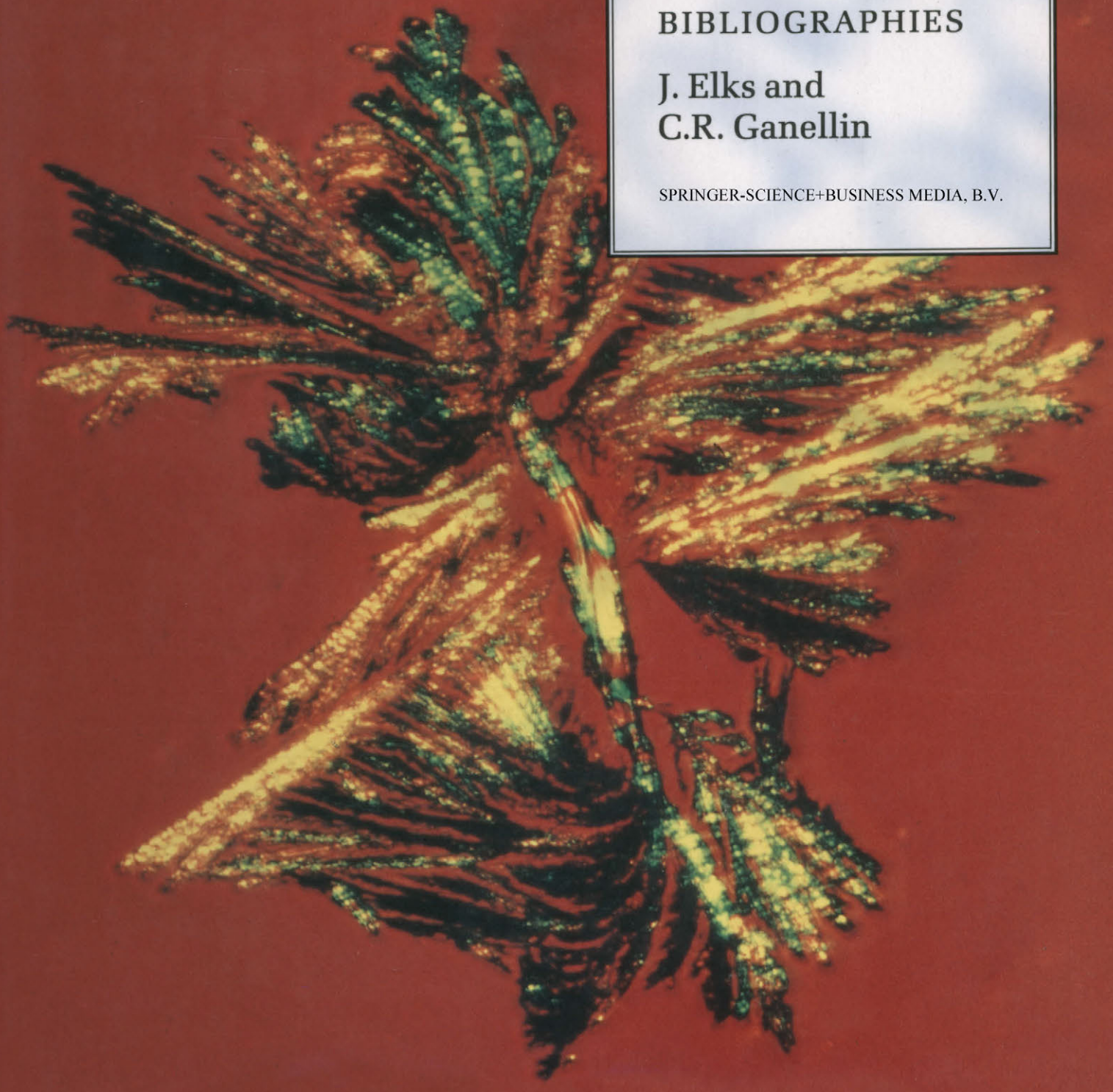
Dictionary of Drugs

CHEMICAL DATA, STRUCTURES AND BIBLIOGRAPHIES

J. Elks and
C.R. Ganellin

SPRINGER-SCIENCE+BUSINESS MEDIA, B.V.



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Contents

Preface	*page* ix
Introduction	xi
Entries in alphabetical order	1
Indexes	*see separate Index Volume*

Caution

Treat all organic compounds as if they have dangerous properties.

The publisher makes no representation, express or implied, with regard to the accuracy of the information contained in this Dictionary, and cannot accept any legal responsibility or liability for any errors or omissions that may be made.

The specific information in this publication on the hazardous and toxic properties of certain compounds is included to alert the reader to possible dangers associated with the use of those compounds. The absence of such information should not however be taken as an indication of safety in use or misuse.

Preface

The constant search for new drugs and the continuous development of existing products has resulted in an ever-increasing amount of information available to the chemist working in this area. The aim of this Dictionary is to provide the definitive source of concise, easily accessed factual data on all of the most significant drugs currently in use or late development worldwide.

The term 'drug' is generally taken to mean a substance approved for clinical use by some regulatory body; for this Dictionary the term has been extended to include compounds of significant pharmacological interest which are either in the process of gaining clinical approval or which are no longer in widespread clinical use. For those compounds currently in clinical use we have included all those drugs to be found in the most recent editions of generic name listings (*US Adopted Names 1989*, *International Nonproprietary Names Volume 7* and *British Approved Names 1986*, *Suppl. 6*). Also included within the scope of the Dictionary are a number of biologically active compounds of plant origin which have been used in folk medicine. We have not included pesticides or pharmacologically inactive substances used in the preparation of pharmaceutical products.

Some of the entries in this Dictionary are based on the Fifth Edition of the *Dictionary of Organic Compounds* (1982) and its supplements. These entries have been substantially updated and the coverage extended to include a large number of references to biological activity. Where possible cross-references have been made to works providing further pharmacological and clinical information such as *Martindale's Extra Pharmacopoeia*. Much of the physical property data contained in this work has been taken from the patent literature, frequently the only information source for newly-developed drugs.

With a work of this nature some omissions are inevitable, but it is hoped that these have been kept to a minimum. We expect to produce supplements or new editions to this Dictionary and so users are encouraged to express their comments or suggestions for inclusion to the Editor or Publishers.

The original Editor of this Dictionary was Dr Joseph Elks, formerly of Glaxo Group research, who began work on it in 1985. It is a matter of deep regret that Dr Elks died in November 1988 and was unable to see the results of his labours. The editorial function was taken over by C.R.G. supported by the three Editorial Advisors, and we wish to acknowledge with grateful thanks and remembrance the work which Joe Elks carried out on the project by the time of his death.

P.S. Anderson
C.R. Ganellin
P.S. Portoghese
J.B. Stenlake

Introduction

1. Using the Dictionary

The Dictionary is arranged alphabetically by entry name. Every entry is numbered to assist ready location. Many drugs are included as derivatives of main entry compounds; the extensive indexing of the Dictionary means that these can be readily located through the Name, Molecular Formula or Type of Compound indexes.

Indexes

There are five printed indexes which are located in the separate Index Volume. These are:

Name Index. This lists every name given throughout the Dictionary, whether it refers to an entry, stereoisomer or derivative, and including some names embedded in the text of entries.

Molecular Formula Index. This lists all molecular formulae given in the Dictionary in Hill convention order. Molecular formulae are reported for all drugs but not normally for derivatives such as hydrates or salts of neutral compounds. Cationic compounds are given a molecular formula which is that of the cation and the various salts are listed as derivatives, together with their molecular formulae.

CAS Registry Number Index. Lists all CAS (Chemical Abstracts Service) Registry numbers given throughout the Dictionary.

Type of Compound Index. This valuable index classifies all drugs included in the Dictionary under one or more of approximately 200 headings based principally on pharmacological activity, but also including some headings related to compound types (e.g. peptides, enzymes, tetracycline antibiotics). A full list of the headings used in the Index is given at the beginning of the Index.

Structure Index. This index provides reduced size structural formulae of all compounds in entry number order, facilitating the rapid skimming of Dictionary contents when searching for structurally-related drugs.

2. Chemical Names and Synonyms

The Dictionary contains a wide range of synonyms which may be (*a*) those found in the primary literature, (*b*) *Chemical Abstracts* names (these are omitted when they are excessively long), (*c*) a small proportion of names added editorially to achieve as much consistency as possible, or (*d*) tradenames used by pharmaceutical companies. Proprietary ownership of drug names is not indicated, and the Dictionary **should not be considered as an authoritative source on the proprietary ownership or use of these names**.

Most entries are headed by a generic name (obtained from recent editions of listings of non-proprietary names [1,2,3,]), but in some simple cases the systematic name is preferred and the entry may be found from the generic name using the Name Index. Generic names have suffixes to indicate their source (e.g. INN, BAN, USAN).

Care has been taken to include as many tradenames, company experimental codes and alternative names as possible. Most of these have been authenticated from the primary literature but in cases where this has not been possible the principal authorities are Negwer [4] and the *Merck Index* [5]. Where a common drug has a very large number of alternative names, a cross reference is given to Negwer [4] which should be consulted for the full listing.

Names corresponding to those used by CAS during the 8th and 9th Collective Index Periods (1967–1971 and 1972–1976 respectively) are labelled with the suffixes 8CI, 9CI. Names first introduced since 1976 are referred to as 9CI as there have been no substantial changes of CA nomenclature affecting organic compounds since that date.

If a compound cannot be located immediately in the main body of the entries, **it is important to use the indexes**.

3. Bibliographic References and Literature Coverage

The selection of references is made with the aim of facilitating entry into the literature for the user who wishes to locate more detailed information about a particular compound. Reference contents are indicated using suffixes.

Journal abbreviations generally follow the practice of the Chemical Abstracts Service Source Index (CASSI). In patent references, no distinction is made between patent applications and granted patents.

Wherever possible, English-language patent equivalents are quoted.

In compiling this Dictionary the primary literature has been surveyed to July 1989 and extensive reference has been made to reviews available at that time.

4. Therapeutic Uses

Practically every compound in this Dictionary has been classified according to its therapeutic use under one or more of the headings in the Type of Compound Index. Compounds which have several claimed therapeutic uses are indexed separately in each category. The assignment of drugs into such categories is based on information given in Martindale [6] or in the primary literature.

5. Hazard Information

Many drugs are highly toxic. Information on their toxicity is highlighted by the use of the symbol ▷, which also appears in the indexes (except the Structure Index). Whilst every effort has been made to alert the user to potential hazards associated with particular drugs, **the absence of such information cannot be taken as a guarantee of safety in use or misuse.** This dictionary is intended for medicinal and pharmaceutical chemists as an aid to research and is **not intended as a guide to prescription or use of drugs**. The information provided is given in good faith but the Editors cannot be held responsible for any inaccuracies therein.

6. Principal Abbreviations

[α]	specific rotation
abs config	absolute configuration
Ac	Acetyl
AcOH	Acetic acid
Ac_2O	Acetic anhydride
amorph	amorphous
anal	analytical applications, analysis or detection
aq.	aqueous
B	base
bibl.	bibliography
biosynth	biosynthesis
Bp	boiling point
BAN	British Approved Name
c	concentration
ca.	(*circa*) about
cd	circular dichroism
chromatog	chromatography
cmr	^{13}C nuclear magnetic resonance
col	colour, coloration
conc	concentrated
config	configuration
constit	constituent
compd	compound
cryst struct	X-ray crystal structure determination
d	density
dec	decomposes, decomposition
degradn	degradation
deriv(s)	derivatives
descr	described
detn	detection
dil	dilute, dilution
dimorph	dimorphic
esr	electron spin resonance
Et	Ethyl
EtOAc	Ethyl acetate
fluor	fluoresces, fluorescence
glc	gas liquid chromatography
Glc	β-D-glucopyranosyl
haz	hazard
hydrol	hydrolyses, hydrolysed, hydrolysis
INN	International Nonproprietary Name
ir	infra-red spectrum
isol	isolation
isom	isomerises, isomers
JAN	Japanese Accepted Name
LD	lethal dose: LD_{50}, a dose which is lethal to 50% of the animals tested
M	molecular weight (formula weight)
max	maximum
Me	Methyl
metab	metabolism, metabolite
misc	miscible
mixt	mixture
mod	moderately
Mp	melting point
ms	mass spectrum
n	index of refraction (e.g. n_D^{20} for 20° and sodium light)
obt	obtained
occur	occurrence
ord	optical rotatory dispersion
pet. ether	Petroleum ether (light petroleum)
Ph	Phenyl (C_6H_5)
pharmacol	pharmacology
pmr	proton (^1H) nuclear magnetic resonance
props	properties
purifn	purification
Py	Pyridine

ref	reference
resoln	resolution
rev	review
r.t.	room temperature
sl	slightly
sol	soluble
soln	solution
solv	solvent
subl	sublimation, sublimes
synth	synthesis
tautom	tautomerism
tlc	thin layer chromatography
tox	toxicity, toxicology
unsatd	unsaturated
USAN	United States Adopted Name
uv	ultraviolet spectrum
v	very
vol	volume

7. Further Information

For further information about the presentation of data in this and other Dictionaries, see the introduction to the *Dictionary of Organic Compounds*, Fifth Edition and Supplements.

References

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2. *International Nonproprietary Names*, World Health Organisation, Geneva, 1988.
3. *United States Adopted Names*, US Pharmacopeial Convention Inc., Rockville, USA, 1989.
4. Negwer, M., *Organic-Chemical Drugs and Their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987.
5. *Merck Index*, 11th Ed., Merck, Sharp and Dohme, 1989.
6. *Martindale, The Extra Pharmacopoeia*, 29th Ed., Pharmaceutical Press, 1989.

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INDEXES

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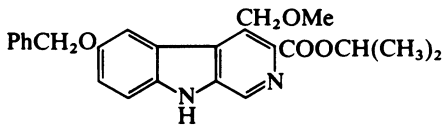
Name Index	*page* 1
Molecular Formula Index	299
CAS Registry Number Index	433
Type of Compound Index	527
Structure Index	607

A

Abecarnil, INN **A-00001**

4-(Methoxymethyl)-6-(phenylmethoxy)-9H-pyrido[3,4-b]indole-3-carboxylic acid 1-methylethyl ester, 9CI

[111841-85-1]



$C_{24}H_{24}N_2O_4$ M 404.465

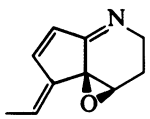
Central nervous system agent. Cryst. (EtOAc). Mp 150-151°.

Ger. Pat., 3 609 699, (*1987*); *CA*, **108**, 21872z (*synth, pharmacol*)

Abikoviromycin **A-00002**

7-Ethylidene-1a,2,3,7-tetrahydrocyclopent[b]-oxireno[c]pyridine, 9CI, 8CI. *Latumcidin. Virocidin. SF 973A. Antibiotic SF 973A*

[31774-33-1]



$C_{10}H_{11}NO$ M 161.203

Isol. from various *Streptomyces* spp. Weak antibacterial and antifungal antibiotic. Antiviral agent. Highly unstable, polymerising on isol. from broth cultures. Can be handled in dilute soln. $[\alpha]_D^{21}$ +148.9° (c, 1 in 0.1N NaOH).

B,H_2SO_4: [43043-59-0]. Cryst. Mp 140-141° dec. $[\alpha]_D^{25}$ +24° (c, 1 in H_2O).

Picrate: Yellow needles (EtOAc/MeOH). Mp 136-137°.

4,4a-Dihydro: [20421-29-8]. ***Dihydrolatumcidin.*** *SF 973B. Antibiotic SF 973B.*

$C_{10}H_{13}NO$ M 163.219

Isol. from *S. olivaceus*. Mp 60-61°. pK_a 8.07.

4,4a-Dihydro, 4-hydroxy: ***Dihydro-N-hydroxyabikoviromycin.***

$C_{10}H_{13}NO_2$ M 179.218

From *S.* sp. SANK 65986.

Gurevich, A.I. *et al*, *Tetrahedron Lett.*, 1968, 2209 (*struct, pmr, ir, uv*)

Kono, Y. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 2341 (*cryst struct*)

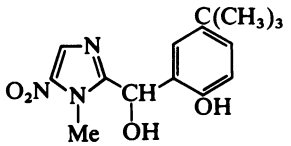
Onda, M. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 2916 (*isol, nmr, ms*)

Takahashi, S. *et al*, *CA*, 1987, **107**, 55392 (*deriv*)

Abunidazole, INN **A-00003**

α-[5-(1,1-Dimethylethyl)-2-hydroxyphenyl]-1-methyl-5-nitro-1H-imidazole-2-methanol, 9CI. *PN 4478846*

[91017-58-2]



$C_{15}H_{19}N_3O_4$ M 305.333

(±)-form

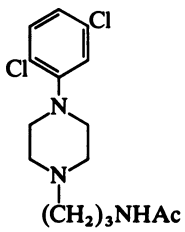
Antiprotozoal agent. Cryst. Mp 158-160°.

Eur. Pat., 111 657, (*1984*); *CA*, **101**, 230519 (*synth*)

Acaprazine, INN **A-00004**

N-[3-[4-(2,5-Dichlorophenyl)-1-piperazinyl]propyl]-acetamide, 9CI. *1-(3-Acetamidopropyl)-4-(2,5-dichlorophenyl)piperazine*

[55485-20-6]



$C_{15}H_{21}Cl_2N_3O$ M 330.256

Adrenolytic agent, tranquilliser. Cryst. (EtOAc). Mp 114°.

B,HCl: [55485-21-7]. Mp 229°.

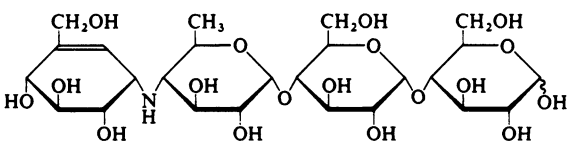
Maleate: [55485-24-0]. Mp 104°.

Ger. Pat., 2 432 030, (*1975*); *CA*, **82**, 171069b (*synth, deriv*)

Acarbose, BAN, INN **A-00005**

O-4,6-Dideoxy-4-[[4,5,6-trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]-α-D-glucopyranosyl-(1→4)-O-α-D-glucopyranosyl-(1→4)-D-glucose, 9CI. *Glucobay. Bay g 5421. α-GHI*

[56180-94-0]



$C_{25}H_{43}NO_{18}$ M 645.611

Isol. from *Actinoplanes* sp. A potent inhibitor of glucosidases and saccharases. Used for treatment of diabetes, hyperlipidaemia and obesity. Amorph. $[\alpha]_D$ +147.2° (H_2O).

Ger. Pat., 2 347 782, (*1975*); *CA*, **83**, 56721s

Schmidt, D.D. *et al*, *Naturwissenschaften*, 1977, **64**, 535 (*isol, props*)

Creutzfeldt, W., Ed., *Int. Congr. Ser.-Excerpta Med.*, 1982, No. 594 (*book*)

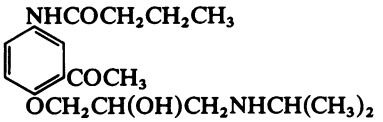
Bock, K. *et al*, *Carbohydr. Res.*, 1984, **132**, 142 (*conformn*)

Junge, B. *et al*, *Carbohydr. Res.*, 1984, **128**, 235 (*struct*)
Clissold, S.P. *et al*, *Drugs*, 1988, **35**, 214 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12304.

Acebutolol, BAN, USAN **A-00006**

N-[*3-Acetyl-4-[2-hydroxy-3-[(1-methylethyl)amino]-propoxy]phenyl]butanamide, 9CI. 3'-Acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]butyranilide, 8CI. 1-(2-Acetyl-4-n-butyramidophenoxy)-2-hydroxy-3-isopropylaminopropane*

[28197-63-9]



$C_{18}H_{28}N_2O_4$ M 336.430

(R)-form [68107-81-3]

B,HCl: [96450-13-4]. $[\alpha]_D^{30}$ +12°.

(±)-form [37517-30-9]

β-Adrenergic blocker. Cryst. Mp 119-123°.

▷EJ3500500.

B,HCl: [34381-68-5]. *Acebutolol hydrochloride, JAN.* Cryst. (MeOH/Et_2O). Mp 141-143°.

▷ES5235000.

Basil, B. *et al*, *J. Med. Chem.*, 1976, **19**, 399 (*synth*)
Nelson, W.L. *et al*, *J. Org. Chem.*, 1978, **43**, 4907 (*cd*)
Carpy, A. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 185 (*cryst struct*)
Basil, B. *et al*, *Pharmacol. Hypertens. Drugs*, 1980, 283 (*pharmacol*)
Singh, B.N. *et al*, *Drugs*, 1985, **29**, 531 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5024 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6302.

Acecarbromal, INN **A-00007**

N-[(*Acetylamino)carbonyl]-2-bromo-2-ethylbutanamide, 9CI. 1-Acetyl-3-(2-bromo-2-ethylbutyryl)urea, 8CI. Sedamyl. Acetyladalin. Abasin. Carbased. Acetylcarbromal. Numerous proprietary names*

[77-66-7]

$(H_3CCH_2)_2CBrCONHCONHAc$

$C_9H_{15}BrN_2O_3$ M 279.133

Sedative. Sl. sol. H_2O, sol. EtOH, EtOAc. Mp 109°. Bitter-tasting.

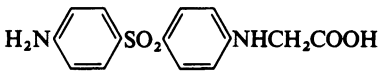
▷YR6475000.

Kaufmann, H.P., *Arzneimittelsynthese*, 1953, Springer Verlag, Berlin (*synth*)
Corn, M. *et al*, *J. Pharmacol. Exp. Therap.*, 1955, **113**, 58 (*pharmacol*)
Drost, R.H. *et al*, *Pharm. Weekbl.*, 1970, **105**, 1129 (*uv*)
Goenechea, S., *Mikrochim. Acta*, 1972, 266 (*ir*)
Kaempe, B., *Arch. Pharm. Chem.*, 1974, **81**, 1183 (*glc*)
Thielemann, H., *Sci. Pharm.*, 1975, **43**, 91 (*tlc*)
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Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4001.

Acediasulfone **A-00008**

N-[*4-(4-Aminophenyl)sulfonyl]phenylglycine, 9CI.* N-(p-*Sulfanilylphenyl)glycine, 8CI*

[80-03-5]



$C_{14}H_{14}N_2O_4S$ M 306.336

Antileprotic. Mp 194°.

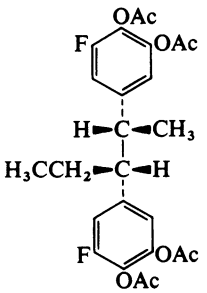
Na salt: [127-60-6]. *Acediasulfone sodium, INN. Sulfon-Cilag. Cilotropin.* Antiinfective agent (otologic).

Morpholine salt: [1301-01-5]. *Bentrofene.* Ophthalmic antibacterial agent.

Swiss Pat., 254 803, (*1949*); *CA*, **44**, 3021a (*synth, pharmacol*)
Brandstaetter-Kuhnert, M. *et al*, *Sci. Pharm.*, 1965, **33**, 205 (*uv*)
Colwell, W.T. *et al*, *J. Med. Chem.*, 1974, **17**, 142 (*pharmacol*)

Acefluranol, BAN, INN **A-00009**

4,4'-(1-Ethyl-2-methyl-1,2-ethanediyl)bis[6-fluoro-1,2-benzenediol]tetraacetate, 9CI. 2,3-Bis(3,4-diacetoxy-5-fluorophenyl)pentane. BX 591



$C_{25}H_{26}F_2O_8$ M 492.472

(RS,SR)-form [80595-73-9]

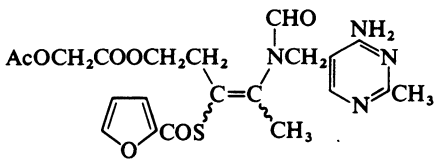
Antioestrogen. Cryst. (Et_2O). Mp 160-162°.

B.P., 2 087 877, (*1982*); *CA*, **97**, 162572 (*synth*)

Acefurtiamine, INN, JAN **A-00010**

4-[[[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-formyl]amino]-3-[(2-furanylcarbonyl)thio]-3-pentenyl acetyloxyacetate, 9CI. O-*Acetoglycoloyl*-S-*furoylthiamine. Glycofurthiamine. Biotamin S*

[10072-48-7]



$C_{21}H_{24}N_4O_7S$ M 476.503

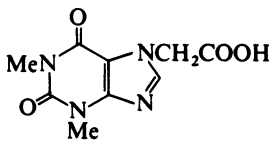
Analgesic (Vitamin B_1 source). Mp 118°.

Minakami, H. *et al*, *Bitamin*, 1966, **33**, 547 (*pharmacol*)
Nagawa, M. *et al*, *Bitamin*, 1966, **33**, 536 (*props, uv*)
Minakami, H. *et al*, *J. Vitaminol.*, 1967, **13**, 159 (*pharmacol*)
Japan. Pat., 6 803 393, (*1968*); *CA*, **69**, 96703e (*synth*)

Acefylline A-00011

1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purine-7-acetic acid, 9CI, 8CI. 1,3-Dimethylxanthin-7-ylacetic acid. Theophylline-7-acetic acid. Aminodal. Stenofillina

[652-37-9]



$C_9H_{10}N_4O_4$ M 238.202

Spasmolytic, cardiotonic, diuretic and smooth muscle relaxant. Solid + $1H_2O$. Mp 269-271°. Used mainly as piperazine salt.

Piperazine salt (2:1): [18833-13-1]. *Acefylline piperazine, INN.* ***Acepifylline, BAN.*** *Etophyllate. Etaphylline.*

$C_{22}H_{30}N_{10}O_8$ M 562.541

Clofibrate: [70788-27-1]. ***Acefylline clofibrol, INN.*** *Fibrafyllin.*

$C_{19}H_{21}ClN_4O_5$ M 420.852

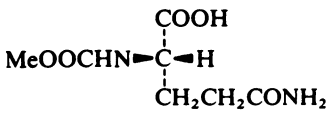
Anticholesterolaemic agent. Cryst. (EtOH). Mp 141-142°.

B.P., 998 971, (*1965*); *CA*, **63**, 9756g (*pharmacol*)
Maslankiewicz, A. *et al*, *Rocz. Chem.*, 1975, **49**, 1935 (*synth*)
Zuidema, J. *et al*, *Pharm. Weekbl.*, 1978, **113**, 605 (*pharmacol*)
Fr. Pat., 2 393 803, (*1979*); *CA*, **91**, 211442 (*Clofibrate*)
Priimenko, B.A. *et al*, *Farm. Zh. (Kiev)*, 1985, 40 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1178.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 627.

Aceglutamide, INN A-00012

N^2-Acetyl-L-glutamine, 9CI. 2-(Acetylamino)-glutaramidic acid. α-N-Acetyl-L-glutamine. Acutil/S

[2490-97-3]



$C_7H_{12}N_2O_4$ M 188.183

Psychostimulant. Cryst. (EtOH). Mp 197°. $[\alpha]_D^{20}$ −12.5° (c, 2.9 in H_2O).

Al(III) complex: [12607-92-0]. *Aceglutamide aluminum, USAN. Pentakis(N^2-acetyl-L-glutaminato)-tetrahydroxytrialuminum. KW 110. Glumal. AGA.*

$C_{35}H_{59}Al_3N_{10}O_{24}$ M 1084.848

Antiulcerative agent. White powder. Mp 221° dec.

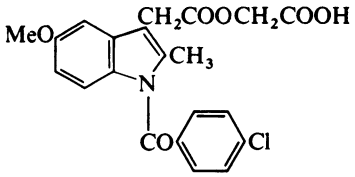
▷BD1280000.

B.P., 792 576, (*1958*); *CA*, **53**, 2109a (*synth, props*)
Maschler, I.J. *et al*, *Biochim. Biophys. Acta*, 1962, **57**, 252 (*synth*)
Narasimhamurthy, M.R. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1976, **6**, 768 (*cryst struct*)
Alhadeff, M. *et al*, *Drugs of Today*, 1978, **14**, 53 (*rev, pharmacol*)
Tome, D. *et al*, *Int. J. Pept. Protein Res.*, 1985, **25**, 258 (*synth, cmr*)
Tanaka, H., *Arzneim.-Forsch.*, 1986, **36**, 1485 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12306, 12307.

Acemetacin, BAN, INN, JAN A-00013

1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic acid carboxymethyl ester, 9CI. Altren. Analgel. Flamarion. Rantudil. Rheutrop. Tilur. Bay f4975. K 708. TVX 1322

[53164-05-9]



$C_{21}H_{18}ClNO_6$ M 415.829

Analgesic, antiinflammatory agent. Fine pale-yellow cryst. (pet. ether). Mp 150-153°.

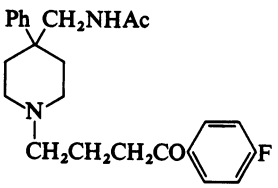
▷NL3521400.

Dell, H.D. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1314 (*synth, props*)
Neuman, M., *Drugs of Today*, 1981, **17**, 277 (*rev*)
Voellenklee, R. *et al*, *Fresenius' Z. Anal. Chem.*, 1985, **322**, 164 (*polymorphism*)
Dell, H.D. *et al*, *J. Chromatogr.*, 1986, **375**, 331 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12308.

Aceperone, INN A-00014

N-[[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-phenyl-4-piperidinyl]methyl]acetamide, 9CI. N-[[*1-[3-(p-Fluorobenzoyl)propyl]-4-phenyl-4-piperidyl]methyl]-acetamide, 8CI. 4-[4-(Acetamidomethyl)-4-phenylpiperidino]-4'-fluorobutyrophenone. Acetabutone. R 3248*

[807-31-8]



$C_{24}H_{29}FN_2O_2$ M 396.504

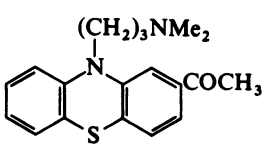
Vasodilator, neuroleptic, antihypertensive agent. Mp 97-100°.

Kreppel, E., *Arzneim.-Forsch.*, 1966, **16**, 257 (*pharmacol*)
Frigerio, A. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 1051 (*ms*)
U.S.P., 3 850 935, (*1974*); *CA*, **83**, 43198b (*synth*)
Van Opdenbosch, N. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 171 (*cryst struct*)

Acepromazine, BAN, INN A-00015

1-[10-[3-(Dimethylamino)propyl]-10H-phenothiazin-2-yl]ethanone, 9CI. 2-Acetyl-10-(3-dimethylaminopropyl)-phenothiazine. 10-(3-Dimethylaminopropyl)-phenothiazin-2-yl methyl ketone. Acetopromazine. Acetylpromazine

[61-00-7]



$C_{19}H_{22}N_2OS$ M 326.456

Potent tranquilliser. Also possesses analgesic and antiinflammatory props. Orange oil. $Bp_{0.5}$ 215-217°, $Bp_{0.08}$ 208-210°.

▷OB2275000.

Maleate: [3598-37-6]. *Acepromazine maleate, USAN. Notensil.* Mp 137°. Constit. of Immobilon.

▷OB2450000.

Oxime: [20828-96-0].

$C_{19}H_{23}N_3OS$ M 341.470

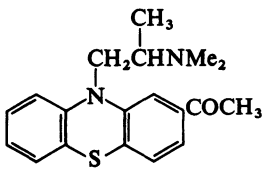
Antiinflammatory agent. Mp 158-159°.

Clark, J., *J. Pharm. Pharmacol.*, 1957, **9**, 752 (*use*)
Schmitt, J. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 938 (*synth, use*)
Gilbert, T., *Org. Mass. Spectrom.*, 1969, 17 (*ms*)
De Leenheer, A. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 625 (*cryst struct*)
Henion, J.D., *Adv. Mass Spectrom.*, 1980, **8B**, 1241 (*hplc, ms*)
Ragg, E. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1982, 1587 (*pmr, cmr, conformn*)
Kracmar, J. *et al*, *Pharmazie*, 1986, **41**, 571 (*uv, vis*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5276 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7001.

Aceprometazine, INN A-00016

1-[10-[2-(Dimethylamino)propyl]-10H-phenothiazin-2-yl]ethanone, 9CI. 10-[2-(Dimethylamino)propyl]-phenothiazin-2-yl methyl ketone, 8CI. 2-Acetyl-10-(2-dimethylaminopropyl)phenothiazine. CB 1664

[13461-01-3]



$C_{19}H_{22}N_2OS$ M 326.456

(±)-form

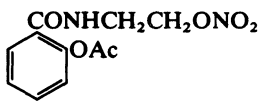
Neuroleptic agent; sedative, antitussive. Oil. $Bp_{0.8}$ 234-238°.

Schmitt, J. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 1474 (*synth*)
U.S.P., 3 100 772, (*1963*); *CA*, **60**, 1766 (*synth*)
Cailleux, A. *et al*, *J. Chromatogr. Sci.*, 1981, **19**, 163 (*glc, ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12302.

Acesaniamide A-00017

2-(Acetyloxy)-N-[2-(nitrooxy)ethyl]benzamide, 9CI

[96513-33-6]



$C_{11}H_{12}N_2O_6$ M 268.226

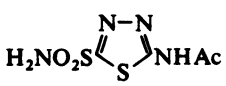
Vasoactive agent. Mp 89°.

Xu, J. *et al*, *Yiyao Gongye*, 1986, **16**, 65; *CA*, **103**, 349 (*synth, pharmacol*)

Acetazolamide, BAN, INN, USAN A-00018

N-[5-(Aminosulfonyl)-1,3,4-thiadiazol-2-yl]acetamide, 9CI. 5-Acetamido-1,3,4-thiadiazole-2-sulfonamide. Acetazide. Diamox. Numerous proprietary names

[59-66-5]



$C_4H_6N_4O_3S_2$ M 222.236

Potent carbonic anhydrase inhibitor; used for treatment of glaucoma. Diuretic. Sol. H_2O. Mp 260-261° dec. Also used as Na salt (Acetazolamide sodium, USAN).

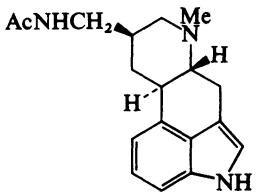
▷Mod. toxic, exp. teratogen. AC8225000.

Miller, W.H. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4890 (*synth*)
Woodbury, D., *Antiepileptic Drugs*, 1972, Baren Press (*use*)
Mathew, M. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1974, 532 (*cryst struct*)
Kunka, R.L., *Diss. Abstr. Int. B*, 1978, **39**, 174 (*pharmacol*)
Barnish, I.T. *et al*, *J. Med. Chem.*, 1980, **23**, 117 (*synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 185 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2301, 2302.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 81.

Acetergamine, INN A-00019

N-[(6-Methylergolin-8β-yl)methyl]acetamide, 9CI, 8CI. N-Acetyl-9,10-dihydrolysergamine

[3031-48-9]



$C_{18}H_{23}N_3O$ M 297.399

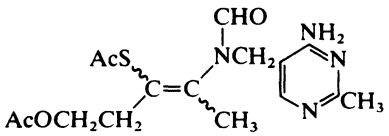
Oxytocic agent. Mp 150-152°. LD_{50} 40 mg/kg (i.v., rabbit).

Stoll, A. *et al*, *Helv. Chim. Acta*, 1946, **29**, 635 (*synth*)
Bernardi, L. *et al*, *Gazz. Chim. Ital.*, 1964, **94**, 936 (*synth*)
Fregnan, G.B. *et al*, *Experientia*, 1968, **24**, 150 (*pharmacol*)

Acetiamine, INN A-00020

S-[1-[2-(Acetyloxy)ethyl]-2-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]formylamino]-1-propenyl ethanethiolate, 9CI. S-N-[(4-Amino-2-methyl-5-pyrimidinyl)-methyl]-N-(4-hydroxy-2-mercapto-1-methyl-1-butenyl)formamide O-acetate thioacetate, 8CI. Diacetyl thiamine. DAT

[299-89-8]



$C_{16}H_{22}N_4O_4S$ M 366.434

Thiamine derivative. Analgesic (Vit. B_1 source). Prisms (C_6H_6/pet. ether). Mp 122-123° (dec.).

Takamizawa, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1953, **23**, 705 (*synth*)
Blum, K.U. *et al*, *Pharmacol. Clin.*, 1970, **2**, 177 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12309.

Acetic acid, 9CI A-00021

Ethanoic acid

[64-19-7]

H_3CCOOH

$C_2H_4O_2$ M 60.052

Metabolic intermed., bacterial oxidn. prod. of ethanol, known since ancient times as dil. soln. (vinegar). Industrial and lab. solv., used for preserving foods. Major petrochemical used in manuf. of vinyl acetate and other acetate

esters. Solv. in prodn. of terephthalic acid. Liq. or cryst. with powerful vinegar odour. Misc. H_2O, EtOH, Et_2O, sol. most org. solvs., insol. CS_2. d_4^{20} 1.049. Mp 16.7°. Bp 118.2°, Bp_{31} 30°. pK_a 4.734 (25°). Molecular Fp depression 39, molecular Bp elevation 29.9.

▷Causes severe burns. TLV 25. Flammable. AF1340000.

Chloride: [75-36-5]. *Acetyl chloride.*
C_2H_3ClO M 78.498
Acetylating agent. Reduces sulphoxides to sulphides. Fuming liq. Sol. Et_2O, C_6H_6. Mp −112°. Bp 51-52°. Violently hydrol. by H_2O.

▷Highly toxic and irritant, causes burns. Highly flammable, flash pt. 4°. AO6390000.

Hydrazide: [1068-57-1]. *Acethydrazide. Acetylhydrazide. Acetylhydrazine.*
$C_2H_6N_2O$ M 74.082
Needles (EtOH). Sol. H_2O. Mp 67°. Bp_{18} 127°. Reduces $NH_3.AgNO_3$.

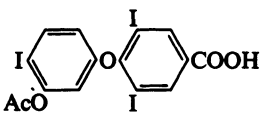
▷Highly toxic. AI1225000.

Lowry, R.P., *Hydrocarbon Process.*, 1974, **53**, 103 (*rev, bibl*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **1**, 167 (*rev, bibl*)
Couperus, P.A. *et al*, *Org. Magn. Reson.*, 1978, **11**, 590 (*cmr*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **7**, 3; **8**, 1.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1305, 1306.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 360, 379.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 159, 163.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 82, 83, 84, 85.

Acetiromate, INN, JAN A-00022

4-[4-(Acetyloxy)-3-iodophenoxy]-3,5-diiodobenzoic acid, 9CI. 4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzoic acid acetate, 8CI. Adecol. TBF 43

[2260-08-4]



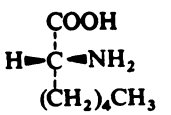
$C_{15}H_9I_3O_5$ M 649.947
Antihyperlipidaemic agent, hypocholesterolaemic. Mp 238°.

Duncan, C.H. *et al*, *Endocrinology*, 1958, **63**, 169 (*pharmacol*)
Fr. Pat., M1610, (*1963*); *CA*, **59**, 2724h (*synth, pharmacol*)
Masuda, K. *et al*, *CA*, 1971, **75**, 140431 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9002.

Acetohexamide, BAN, INN, JAN, USAN A-00023

4-Acetyl-N-[(cyclohexylamino)carbonyl]-benzenesulfonamide, 9CI. N-(4-Acetylbenzenesulfonyl)-N′-cyclohexylurea. Antrepar. Dimelin. Dimelor. Gamadiabet. Hipoglicil. Metaglucina. Minoral. Ordimel. Lilly 33006. U 14812

[968-81-0]



(*R*)-*form* Absolute configuration

$C_{15}H_{20}N_2O_4S$ M 324.394
Polymorphic. Hypoglycaemic agent, oral antidiabetic drug. Cryst. (EtOH aq.). Mp 188-189°.

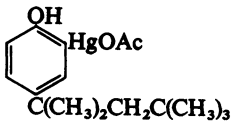
▷YR7350000.

Marshall, F.J. *et al*, *J. Med. Chem.*, 1963, **6**, 60 (*synth*)
Shafer, C.E., *Anal. Profiles Drug Subst.*, 1972, **1**, 1 (*rev*)
Graf, E. *et al*, *Pharm. Ind.*, 1984, **46**, 955 (*polymorphism*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7213.

Acetomeroctol A-00024

(Acetato-O)[2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)-phenyl]mercury, 9CI. Merbak

[584-18-9]



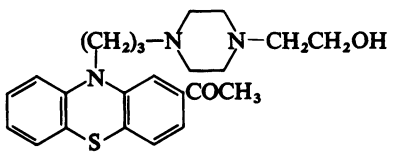
$C_{16}H_{24}HgO_3$ M 464.954
Topical antiinfective agent. Cryst. (EtOH aq. contg. 5% AcOH). Prac. insol. H_2O, sol. EtOH, Et_2O, $CHCl_3$, spar. sol. C_6H_6. Mp 158°.

Niederl, J.B. *et al*, *J. Am. Chem. Soc.*, 1944, **66**, 844 (*synth*)
Merck Index, 10th Ed., No. 57.

Acetophenazine, INN A-00025

1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazin-2-yl]ethanone, 9CI. 10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]phenothiazin-2-yl methyl ketone, 8CI

[2751-68-0]



$C_{23}H_{29}N_3O_2S$ M 411.561
Tranquilliser. Mp 167-168.5°.

Maleate (1:2): [5714-00-1]. *Acetophenazine maleate, USAN. Phenthoxate. Tindal. NSC 70600. Sch 6673.* Mp 175-178°.

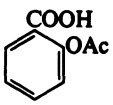
▷OB4180000.

Japan. Pat., 14 585, (*1963*); *CA*, **60**, 2960f (*synth*)
Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1966, **55**, 144 (*ir, uv, pmr*)
Gilbert, J.N.T. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Andres, C.N., *J. Assoc. Off. Anal. Chem.*, 1970, **53**, 824 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7002.

2-Acetoxybenzoic acid A-00026

2-Acetyloxybenzoic acid, 9CI. Salicylic acid acetate, 8CI. Acetylsalicylic acid. ***Aspirin, USAN***

[50-78-2]



$C_9H_8O_4$ M 180.160
Analgesic, antipyretic and antiinflammatory agent. Cryst. Mp 135° (rapid heat), Fp 118°. pK_a 5.48 (25°). Ca salt used in combination with urea as Carbaspirin calcium, USAN.

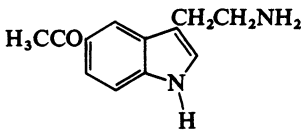
▷Mod. toxic. Exp. teratogen. VO0700000.

Me ester: [580-02-9].
$C_{10}H_{10}O_4$ M 194.187
Cryst. Mp 49°.
Et ester: [529-68-0].
$C_{11}H_{12}O_4$ M 208.213
Liq. Bp 272°.
Ph ester: [134-55-4]. *Acetylsalol. Phennin. Spiroform. Vesipyrin.*
$C_{15}H_{12}O_4$ M 256.257
Analgesic, antipyretic, and antibacterial agent. Mp 97°. Bp_{11} 197-198°.
4-(Acetylamino)phenyl ester: see Benorylate, B-00057

Ciusa, R. *et al, Chem. Zentralbl.*, 1943, **2**, 615 (*synth*)
Scott, K., *J. Magn. Reson.*, 1972, **6**, 55 (*nmr*)
Florey, K., *Anal. Profiles Drug Subst.*, 1979, **8**, 1 (*rev*)
Barnett, H.J.M. *et al, Acetylsalicylic Acid*, Raven Press, N.Y., 1982 (*book*)
Collier, H.O.J. *et al, Discoveries Pharmacol.*, 1984, **2**, 555 (*rev, pharmacol*)
Hallam, J. *et al, Int. Congr. Symp. Ser.-R. Soc. Med.*, 1984 (*rev*)
Rainsford, K.D., *Aspirin and the Salicylates*, Butterworths, London, 1984 (*book*)
Kim, Y. *et al, Chem. Pharm. Bull.*, 1985, **33**, 2641 (*cryst struct*)
Chang, C.J. *et al, Magn. Reson. Chem.*, 1986, **24**, 768 (*cmr*)
Pelz, J., *Pharmacie*, 1986, **41**, 733 (*history, synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1120 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2601.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 88.

Acetryptine, INN A-00027

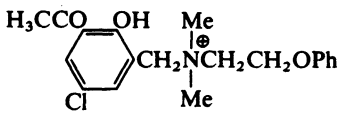
[3-(2-Aminoethyl)-1H-indol-5-yl]ethanone, 9CI. 3-(2-Aminoethyl)indol-5-yl methyl ketone, 8CI. 5-Acetyl-3-(2-aminoethyl)indole. 5-Acetyltryptamine. W 2965 A
[3551-18-6]



$C_{12}H_{14}N_2O$ M 202.255
Antihypertensive agent. Mp 140-142°.

Shavel, J. *et al, J. Am. Chem. Soc.*, 1962, **84**, 881 (*synth*)
Strandtmann, M.V. *et al, J. Med. Chem.*, 1963, **6**, 6 (*synth, pharmacol*)

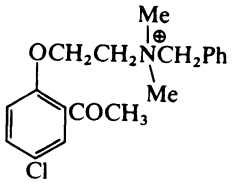
3-Acetyl-5-chloro-2-hydroxy-*N*,*N*-dimethyl-*N*-(2-phenoxyethyl)-benzenemethanaminium(1+), 9CI A-00028



$C_{19}H_{23}ClNO_3^{\oplus}$ M 348.849 (ion)
Anthelmintic.
Chloride: [34987-37-6]. Cream powder. Mp 166.6-167.5°.
3-Hydroxy-2-naphthalenecarboxylate: [34987-38-7]. *Difesyl. Difexil. Diphesyl. Diphezyl. G 4786. G 472b.* Light-yellow powder. Mp 94-96°.

Braude, M.B. *et al, Khim.-Farm. Zh.*, 1971, **5**, 41 (*synth, pharmacol*)
Lopatin, B.V. *et al, Khim.-Farm. Zh.*, 1983, **17**, 865 (*uv, ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 774.

N-[2-(2-Acetyl-4-chlorophenoxy)ethyl]-*N*,*N*-dimethylbenzenemethanaminium (1+), 9CI A-00029



$C_{19}H_{23}ClNO_2^{\oplus}$ M 332.849 (ion)
Anthelmintic.
4-Chlorobenzenesulfonate: [51489-69-1]. *Bemosat. G 526.* Cryst. (EtOH). Mp 172-172.5°.

Ger. Pat., 2 325 312, (*1973*); *CA*, **80**, 70540
Bekhli, A.F. *et al, Khim.-Farm. Zh.*, 1976, **10**, 29 (*synth, pharmacol*)
Lopatin, B.V. *et al, Khim.-Farm. Zh.*, 1983, **17**, 865 (*uv, ir*)

Acetylcholine(1+) A-00030

2-Acetyloxy-N,N,N-*trimethylethanaminium, 9CI*
[51-84-3]

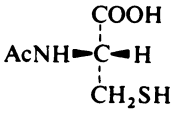
$Me_3N^{\oplus}CH_2CH_2OAc$

$C_7H_{16}NO_2^{\oplus}$ M 146.209 (ion)
Occurs in blood, spleen, ergot and plants and in brain tissue in complexed form eg. in ergot and *Capsella bursae pastoris* (Cruciferae). Neurotransmitter, cholinergic and miotic agent, cardiac depressant, peripheral vasodilator. Easily hyd. by alkalis.
▷FZ9700000.
Chloride: [60-31-1]. *Acetylcholine chloride, INN, USAN. Miochol.*
$C_7H_{16}ClNO_2$ M 181.662
V. deliquescent cryst. powder. Mp 149-152°.
▷FZ9800000.
Bromide: [66-23-9].
$C_7H_{16}BrNO_2$ M 226.113
Deliquescent prisms (EtOH). Mp 143°.

Dudley, H.W., *Biochem. J.*, 1929, **23**, 1064 (*synth, bibl*)
Marquardt, P. *et al, Arzneim.-Forsch.*, 1956, **6**, 168, 309 (*biosynth*)
Beveridge, D.L. *et al, J. Am. Chem. Soc.*, 1971, **93**, 3759 (*struct*)
Micelson, M.J. *et al, Acetylcholine; Approach of Mol. Mech. of Action*, 1974, Pergamon.
Hanin, I., *Choline & Acetylcholine: Handbook of Chem. Assay Methods*, 1974, Raven Press, NY (*anal*)
Svinning, T. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 1581 (*cryst struct*)
Sax, M. *et al, Acta Crystallogr., Sect. B*, 1976, **32**, 1953 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4506.

N-Acetylcysteine A-00031

2-Acetamido-3-mercaptopropanoic acid. ***Acetylcysteine,*** *BAN, INN, USAN*



$C_5H_9NO_3S$ M 163.191

▷HA1660000.

(*R*)-*form* [616-91-1]

L-form. Airbron. Mucomyst. Respaire. NSC 111180

Mucolytic agent. Cryst. (H_2O). Mp 109-110°. $[\alpha]_D$ +5° (c, 3 in H_2O).

▷HA1660000.

S-*Ac:* [18725-37-6]. *Diacetylcysteine.* ***Dacisteine, INN.*** *EL 1035.*

$C_7H_{11}NO_4S$ M 205.228

Mucolytic agent. Mp 120.5-122.5°. $[\alpha]_D^{25}$ −42° (c, 2 in H_2O).

S-[*2-(Acetyloxy)benzoyl*] *ester:* [89767-59-9]. ***Salmisteine, INN.***

$C_{14}H_{15}NO_6S$ M 325.336

Antipyretic and mucolytic agent. Cryst. (EtOAc). Mp 100-102°.

(±)-*form*

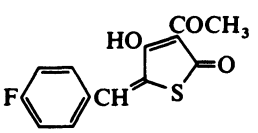
Cryst. (EtOH). Mp 124.5-125.5°.

Smith, H.A. *et al, J. Org. Chem.*, 1961, **26**, 820 (*synth*)
U.S.P., 3 184 505, (*1965*); *CA*, **63**, 7107 (*synth*)
Ohta, G. *et al, Chem. Pharm. Bull.*, 1967, **15**, 644 (*synth*)
Martin, T.A. *et al, J. Med. Chem.*, 1968, **11**, 625 (*synth*)
Le Goffic, F. *et al, Tetrahedron Lett.*, 1976, 2845 (*Dacisteine*)
Suzuki, N. *et al, Bull. Chem. Soc. Jpn.*, 1976, **49**, 3155 (*synth*)
McKinney, G.R. *et al, Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 479 (*rev, pharmacol*)
Hopkins, S.J. *et al, Drugs of Today*, 1980, **16**, 41 (*rev*)
Takusagawa, F. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1591 (*cryst struct*)
Belg. Pat., 897 617, (*1983*); *CA*, **100**, 174454 (*Salmisteine*)
Naulet, N. *et al, Org. Magn. Reson.*, 1983, **21**, 564 (*N-15 nmr*)
Spanish Pat., 510 320, (*1983*); *CA*, **99**, 105709 (*Dacysteine*)
Van der Kuy, A. *et al, Pharm. Weekbl.*, 1986, 121, 646, 649, 663 (*pharmacol, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 316 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3701.

3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene A-00032

3-Acetyl-5-[(4-fluorophenyl)methylene]-4-hydroxy-2(5H)-thiophenone

[5518-90-1]



$C_{13}H_9FO_3S$ M 264.271

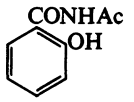
Cytotoxic, immunosuppressive agent. Mp 183°.

Franklin, T. *et al, Nature (London)*, 1966, **210**, 638 (*tox, use*)
Gregory, R., *Biochim. Biophys. Acta*, 1974, **368**, 228 (*use*)
Yuki, H. *et al, Yakugaku Zasshi*, 1976, **96**, 536 (*synth*)

N-Acetyl-2-hydroxybenzamide, 9CI A-00033

N-*Acetylsalicylamide, 8CI.* ***Salacetamide, INN.*** *Acetylamide. Arthrisin. Causerin. Dolsed. Ethrisin. Labazyl (old). Nacemide. Rixamone. Salicyl. L 749*

[487-48-9]



$C_9H_9NO_3$ M 179.175

Analgesic, antipyretic, antiinflammatory agent. Mp 148°.

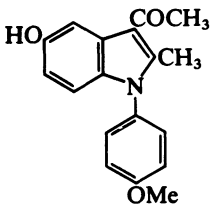
▷VN6650000.

Hicks, W.L., *J. Chem. Soc.*, 1910, **97**, 1032 (*synth*)
Rayet, P. *et al, Arch. Int. Pharmacodyn. Ther.*, 1951, **88**, 159 (*metab*)
Prost, M. *et al, Experientia*, 1962, **18**, 319 (*synth, pharmacol*)
Goenechea, S. *et al, Arch. Toxikol.*, 1969, **25**, 89 (*tlc*)
Pellegata, R. *et al, Synthesis*, 1985, 517 (*synth*)

3-Acetyl-5-hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indole A-00034

1-[5-Hydroxy-1-(4-methoxyphenyl)-2-methyl-1H-indol-3-yl]ethanone, 9CI. Amendol

[5546-17-8]



$C_{18}H_{17}NO_3$ M 295.337

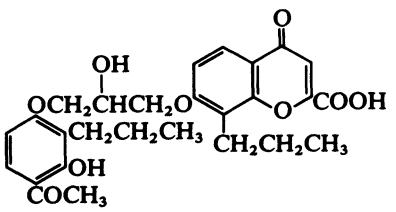
Antidepressant. Cryst. (DMF). Mp 262-263°.

Grinev, A.N. *et al, Zh. Obshch. Khim.*, 1961, **31**, 2298; *CA*, **56**, 4710 (*synth*)
Fr. Pat., M 5142, (*1967*); *CA*, **72**, 66812 (*synth, pharmacol*)

7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid, 9CI A-00035

FPL 55712

[40785-97-5]



$C_{27}H_{30}O_9$ M 498.529

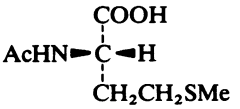
(±)-*form*

Antiasthmatic (SRS-A antagonist). Mp 204°. Used as Na salt.

Appleton, R.A. *et al, J. Med. Chem.*, 1977, **20**, 371 (*synth, pharmacol*)
Mead, B. *et al, J. Pharm. Pharmacol.*, 1981, **33**, 682.
Sneddon, J.M., *Drugs Future*, 1982, **7**, 472 (*rev*)
Sheard, P. *et al, Dev. Anti-Asthma Drugs*, 1984, 133 (*rev*)
Kawaki, H. *et al, J. Biomol. Struct. Dyn.*, 1985, **3**, 161 (*pmr, conformn*)

N-Acetylmethionine, 9CI A-00036

2-(Acetylamino)-4-(methylthio)butanoic acid. Aminotylon. Methionamine. Thiomedon-Amp.



(*S*)-form

$C_7H_{13}NO_3S$ M 191.245

(*S*)-form illustrated. Methionine therapeutic. Lipotropic agent.

(*R*)-form [1509-92-8]

Cryst. (EtOAc or H_2O). Mp 104-105°. $[\alpha]_D^{25}$ +20.3° (c, 4 in H_2O).

(*S*)-form [65-82-7]

Mp 104°. $[\alpha]_D^{25}$ −20.3°.

▷PD0480000.

(±)-form [1115-47-5]

Cryst. (H_2O). Mp 114-115°.

▷PD0500000.

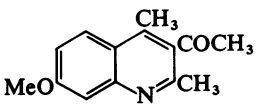
4-(Acetylamino)phenyl ester: see Sumacetamol, S-00267

Wheeler, G.P. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4604 (*synth*)
U.S.P., 3 028 395, (*1962*); *CA*, **57**, 16742 (*resoln*)
Heyns, K. *et al*, *Justus Liebigs Ann. Chem.*, 1963, **667**, 194 (*ms*)
B.P., 1 072 876, (*1967*); *CA*, **67**, 114015 (*resoln*)
Jung, G. *et al*, *Eur. J. Biochem.*, 1973, **35**, 436 (*cd*)
Hawkes, G.E. *et al*, *Nature (London)*, 1975, **257**, 767 (*N-15 nmr*)
Rotruck, J.T. *et al*, *J. Nutr.*, 1975, **105**, 331 (*metab*)
Boggs, R.W., *Adv. Exp. Med. Biol.*, 1978, **105**, 571 (*props*)
Ponnuswamy, M.N. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 917 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 571.

3-Acetyl-7-methoxy-2,4-dimethylquinoline A-00037

1-(7-Methoxy-2,4-dimethyl-3-quinolinyl)ethanone, 9CI. ***Acequinoline, INN**. CB 4985*

[42465-20-3]



$C_{14}H_{15}NO_2$ M 229.278

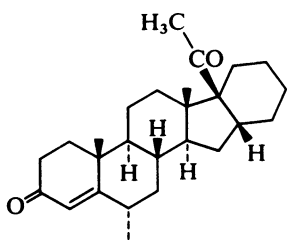
Analgesic, antiinflammatory agent.

Fr. Pat., 2 134 169, (*1973*); *CA*, **79**, 42371h (*synth, pharmacol, tox*)

17-Acetyl-6-methyl-16,24-cyclo-21-norchol-4-en-3-one, 9CI A-00038

6-Methyl-16,17-cyclohexaneprogesterone. 6-Methylcyclohexano[1',2';16,17]pregn-4-ene-3,20-dione. Pentaran

[58212-84-3]



$C_{26}H_{38}O_2$ M 382.585

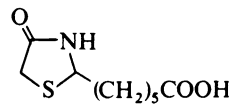
Antigonadotropic, contraceptive. Cryst. (EtOAc). Mp 175-178°.

B.P., 1 427 645, (*1976*); *CA*, **85**, 21727 (*synth*)
Kamernitskii, A.V. *et al*, *Khim.-Farm. Zh.*, 1980, **14**, 72 (*synth, pharmacol*)
Tseikinskii, V.M. *et al*, *Bioorg. Khim.*, 1980, **6**, 1409 (*cryst struct*)
Simonov, V.I. *et al*, *Bioorg. Khim.*, 1981, **7**, 920 (*pharmacol*)

Acidomycin A-00039

4-Oxo-2-thiazolidinehexanoic acid, 9CI. *2-(5-Carboxypentyl)-4-thiazolidone*, 8CI. *Actithiazic acid. Cinnamonin. Mycobacidin. Thiazolidomycin. PA 95. Antibiotic 66-04. Antibiotic PA 95*

[539-35-5]



$C_9H_{15}NO_3S$ M 217.282

Amino acid derived antibiotic.

▷XJ6000000.

(−)-form

Prod. by *Streptomyces* spp. Active against mycobacteria *in vitro*. Needles (H_2O, MeOH or Me_2CO). Mp 139-140°. $[\alpha]_D^{23}$ −54° (MeOH); $[\alpha]_D^{25}$ −60° (c, 1 in EtOH). Blue fluor. in uv light. Racemised by dil. alkalis.

Me ester: Needles. Mp 53-54°. $[\alpha]_D^{25}$ −50.9° (MeOH).

(±)-form

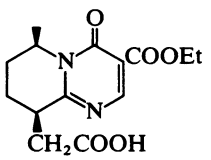
Needles (H_2O or $CHCl_3$). Mp 122-123° (116-117°).

McLamore, W.M. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2946 (*struct*)
Sobin, B.A., *J. Am. Chem. Soc.*, 1952, **74**, 2947 (*isol*)
Miyake, A. *et al*, *Pharm. Bull.*, 1953, **1**, 84 (*isol, struct*)
Japan. Pat., 54 448, (*1954*); *CA*, **48**, 14130d (*synth*)
Caltrider, P.G., *Antibiotics (N.Y.)*, 1967, **1**, 666 (*rev*)

Acitemate, INN A-00040

3-(Ethoxycarbonyl)-6,7,8,9-tetrahydro-6-methyl-4-oxo-4H-pyrido[1,2-a]pyrimidine-9-acetic acid, 9CI. *Vapedrine. CH 123*

[64405-40-9]



(6*SR*,9*SR*)-form

$C_{14}H_{18}N_2O_5$ M 294.307

(6*SR*,9*SR*)-form

cis-(±)-form

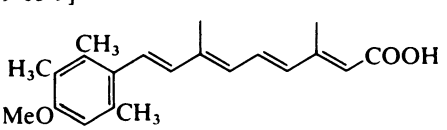
Hypocholesterolaemic agent, platelet aggregation inhibitor. Cryst. (EtOH). Mp 153-154°.

Ger. Pat., 2 705 778, (*1977*); *CA*, **87**, 201574 (*synth, pharmacol*)
Szabo, K. *et al*, *Symp. Biol. Hung.*, 1986, **31**, 333 (*metab, hplc*)

Acitretin, INN, BAN, USAN A-00041

9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoic acid, 9CI. *Neotigason. Etretin. Ro 10-1670*

[55079-83-9]



$C_{21}H_{26}O_3$ M 326.435

(all-E)-form

Used for treatment of psoriasis, antineoplastic against epithelial tumors.

▷RA6620000.

Et ester: [54350-48-0]. ***Etretinate,*** *BAN, USAN, INN. Ethyl 3-methoxy-15-apo-ϕ-caroten-15-ate. Tegison. Tigasan. Tigason. Ro 10-9359.*

$C_{23}H_{30}O_3$ M 354.488

Antipsoriatic. Mp 104-105°. Several stereoisomers have been characterised spectroscopically.

▷RA6620000.

(2Z,4E,6E,8E)-form [69427-46-9]

Isoetretin. *Ro 13-7652*

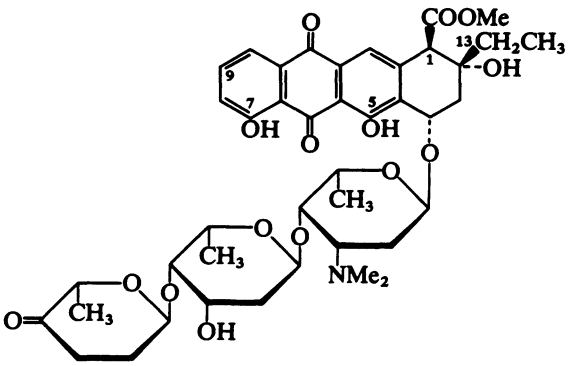
Antipsoriatic. Orange cryst. (2-propanol). Mp 171-173°.

Ger. Pat., 2 636 879, (*1977*); *CA*, **87**, 23565y (*synth, deriv*)
Haenni, R. *et al, Helv. Chim. Acta*, 1977, **60**, 2309 (*synth, pmr, ms, metab*)
Englert, G. *et al, Helv. Chim. Acta*, 1978, **61**, 2697 (*pmr, isom*)
Mayer, H. *et al, Experientia*, 1978, **34**, 1105 (*rev, pharmacol*)
Paravicini, U. *et al, Ann. N.Y. Acad. Sci.*, 1981, **359**, 54 (*rev, metab*)
Ward, A. *et al, Drugs*, 1983, **26**, 9 (*rev*)
Bestmann, H.J. *et al, Justus Liebigs Ann. Chem.*, 1984, 1740 (*isoetretin*)
Cunliffe, W.J., *Biochem. Soc. Trans.*, 1986, **14**, 943 (*props*)
Coffey, J.W. *et al, Int. Congr. Ser.-Excerpta Med.*, 1987, **750**, 705 (*rev, isomers*)
Jakobsen, P. *et al, J. Chromatogr.*, 1987, **415**, 413 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1609.

Aclacinomycin *A* A-00042

Aclarubicin, INN. *Aclacinon. Aclaplastin. MA 144A$_1$. NSC 208734. Antibiotic MA 144A$_1$*

[57576-44-0]



$C_{42}H_{53}NO_{15}$ M 811.878

Anthracycline antibiotic. Isol. from *Streptomyces galilaeus*. Antitumour agent. Yellow powder. Mp 129-135° dec. $[\alpha]_D^{24}$ +29° (c, 1 in $CHCl_3$).

▷QI9279300.

5-Me ether: [76264-92-1].
$C_{43}H_{55}NO_{15}$ M 825.905
Semisynthetic. Shows reduced tox. Mp 144-146°. $[\alpha]_D^{22}$ −58° (c, 0.05 in $CHCl_3$).

7-Me ether: [76304-86-4].
$C_{43}H_{55}NO_{15}$ M 825.905
Semisynthetic. Shows reduced tox. Yellow powder. Mp 144-146°. $[\alpha]_D^{22}$ −38.0° (c, 0.2 in $CHCl_3$).

9-Hydroxy: [79127-36-9]. ***9-Hydroxyaclacinomycin*** **A.**
$C_{42}H_{53}NO_{16}$ M 827.878
From *S. galilaeus*. Antitumour agent. Dark-yellow powder. Mp 165-167°. $[\alpha]_D^{23}$ +42.3° (c, 0.04 in MeOH). LD_{50} 50 mg/kg (i.p., mice).

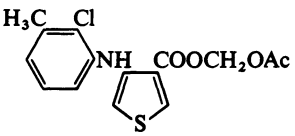
13-Methyl: [78776-19-9]. ***13-Methylaclacinomycin*** **A.**
$C_{43}H_{55}NO_{15}$ M 825.905
From *S. galilaeus*. Antitumour agent. Mp 160.5°. $[\alpha]_D^{20}$ +1.96° (c, 0.93 in $CHCl_3$).

Oki, T. *et al, J. Antibiot.*, 1975, **28**, 830 (*isol, uv, ir, pmr, struct*)
Doyle, T.W. *et al, J. Am. Chem. Soc.*, 1979, **101**, 7041 (*cmr*)
Oki, T. *et al, J. Antibiot.*, 1979, **32**, 801 (*struct*)
Oki, T. *et al, Recent Results Cancer Res.*, 1980, **74**, 207 (*rev*)
Soga, K. *et al, J. Antibiot.*, 1981, **34**, 770 (*deriv*)
Oki, Y. *et al, J. Antibiot.*, 1981, **34**, 916 (*deriv*)
Matsuzawa, Y. *et al, J. Antibiot.*, 1981, **34**, 1495.
Egorin, M.J. *et al, Dev. Oncol.*, 1982, **10**, 527 (*rev, pharmacol*)
Smith, R.G. *et al, Anal. Chem.*, 1982, **54**, 2006 (*ms*)
Hoshino, T. *et al, J. Antibiot.*, 1983, **36**, 1458 (*synth*)
Eur. Pat., 72 974, (*1983*); *CA*, **98**, 21413 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12318.

Aclantate, INN A-00043

(Acetyloxy)methyl 4-[(2-chloro-3-methylphenyl)-amino]-3-thiophenecarboxylate, 9CI. Hoe 473

[39633-62-0]



$C_{15}H_{14}ClNO_4S$ M 339.793

Antiinflammatory agent. No phys. props. reported.

Alpermann, H.G. *et al, Arzneim.-Forsch.*, 1972, **22**, 2146 (*synth, pharmacol*)

Aclatonium(1+) A-00044

2-[2-(Acetyloxy)-1-oxopropoxy]-N,N,N-trimethyleth-anaminium(1+), 9CI. 2-(O-Acetyllactoyloxy)-ethyltrimethylammonium(1+). Choline acetyllactate

[55077-25-3]

$H_3CCH(OAc)COOCH_2CH_2NMe_3^{\oplus}$

$C_{10}H_{20}NO_4^{\oplus}$ M 218.272 (ion)

Cholinergic, spasmolytic agent.

1,5-Naphthalenedisulfonate (2:1): [55077-30-0]. *Aclatonium napadisylate, BAN, INN, JAN. Abovis. Celatonium napadisilate. SKF 100916J. TM 723.*
$C_{30}H_{46}N_2O_{14}S_2$ M 722.818
Mp 189-191°.

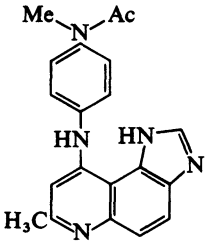
▷KH2570000.

Ger. Pat., 2 425 983, (*1975*); *CA*, **82**, 139296n (*synth, pharmacol*)
Miura, K. *et al, Yakugaku Zasshi*, 1979, **99**, 1245 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12319.

Acodazole, INN **A-00045**

N-*Methyl*-N-[*4*-[(*7-methyl-1*H-*imidazo*[*4,5*-f]-*quinolin-9-yl*)*amino*]*phenyl*]*acetamide*, *9CI*

[79152-85-5]



$C_{20}H_{19}N_5O$ M 345.403

Antineoplastic and antibacterial agent. Cryst. (MeOH). Mp 315-317°.

B,HCl: [55435-65-9]. *Acodazole hydrochloride*, *USAN. EU 3120. NSC 305884.*

▷AC6148500.

Ger. Pat., 2 427 410, (*1975*); *CA*, **82**, 170926s (*synth, pharmacol*)

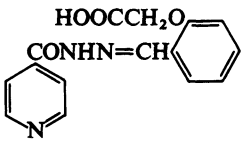
Snyder, C.F. *et al*, *J. Pharm. Sci.*, 1977, **66**, 1204 (*synth*)

Eur. Pat., 81 836, (*1983*); *CA*, **99**, 82505 (*pharmacol*)

Aconiazide, INN **A-00046**

4-Pyridinecarboxylic acid [[*2*-(*carboxymethoxy*)-*phenyl*]*methylene*]*hydrazide*, *9CI. Isonicotinic acid* [o-(*carboxymethoxy*)*benzylidene*]*hydrazide*, *8CI. Isonicophen. Phenoxalid*

[13410-86-1]



$C_{15}H_{13}N_3O_4$ M 299.285

Tuberculostatic and antibacterial agent. Mp 222-223°.

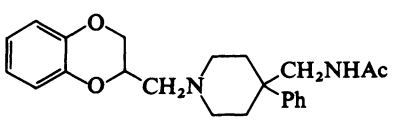
Oeriu, S. *et al*, *Rev. Chim. Acad. Rép. Populare Roumanie*, 1957, **2**, 81; *CA*, **52**, 14870 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1947.

Acoxatrine, INN **A-00047**

N-[[*1*-[(*2,3-Dihydro-1,4-benzodioxin-2-yl*)*methyl*]-*4-phenyl-4-piperidinyl*]*methyl*]*acetamide*, *9CI. 4*-(*Acetamidomethyl*)-*1*-(*1,4-benzodioxan-2-ylmethyl*)-*4-phenylpiperidine. Acetoxatrine. R 5385*

[748-44-7]



$C_{23}H_{28}N_2O_3$ M 380.486

(±)-*form*

Vasodilator, antihypertensive agent. Mp 119-122.2°.

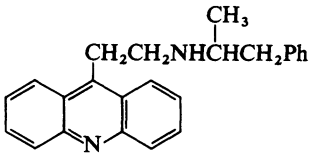
Schaper, W.K.A. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 597 (*pharmacol*)

Belg. Pat., 636 238, (*1964*); *CA*, **61**, 14684a (*synth, pharmacol*)

Acridorex, INN **A-00048**

N-(*1-Methyl-2-phenylethyl*)-*9-acridineethanamine*, *9CI. 9*-[*2*-[(α-*Methylphenethyl*)*amino*]*ethyl*]*acridine.* N-[*2*-(*9-Acridinyl*)*ethyl*]-α-*methylphenethylamine. BS 7573a*

[47487-22-9]



$C_{24}H_{24}N_2$ M 340.467

(±)-*form*

Anorexic agent.

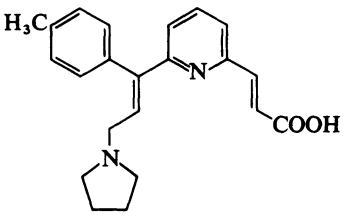
Maleate: Mp 152-153°.

van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 1081; *CA*, **66**, 46310s (*synth*)

Acrivastine, BAN, INN, USAN **A-00049**

3-[*6*-[*3-Pyrrolidin-1-yl-1*-(p-*tolyl*)-*1-propenyl*]-*2-pyridyl*]*acrylic acid. BW 825C*

[87848-99-5]



$C_{22}H_{24}N_2O_2$ M 348.444

Antihistamine. Cryst. (EtOAc). Mp 173-174°.

***(E,E)*-form**

Pharmacol. active isomer. Cryst. (2-propanol). Mp 220-222°.

Findlay, J.W.A. *et al*, *J. Pharm. Sci.*, 1984, **73**, 1339 (*synth, props*)

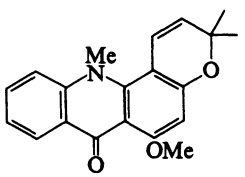
Cohen, A.F. *et al*, *Eur. J. Clin. Pharmacol.*, 1985, **28**, 197 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16017.

Acronycine **A-00050**

*3,12-Dihydro-6-methoxy-3,3,12-trimethyl-7*H-*pyrano*[*2,3*-c]*acridin-7-one*, *9CI*, *8CI*. **Acronine,** *USAN*, ***INN***. *NSC 403169. Compound 42339*

[7008-42-6]



$C_{20}H_{19}NO_3$ M 321.375

Alkaloid from *Acronychia baueri* (*Bauerella baueri*), *Melicope leptococca* (Rutaceae) and *Sarcomelicope argyrophylla*. Antineoplastic agent. Has broad-spectrum antitumour activity. Yellow needles (EtOH). Mp 175-176°.

▷Carcinogen. UQ0330000.

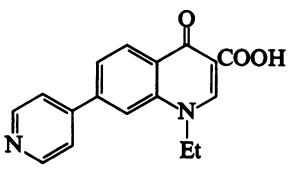
B,HCl: [70509-95-4]. Red needles (H_2O). Mp 125-130°. Heating above melting point causes *O*-demethylation.

N-*De-Me:* **Des-N-*methylacronycine***.
$C_{19}H_{17}NO_3$ M 307.348
Alkaloid from *Glycosmis pentaphylla* (Rutaceae). Yellow needles (Me_2CO).
N-*De-Me; B,HCl:* Orange-red needles ($MeOH/Et_2O$). Mp 137-141°.
N-*De-Me, picrate:* Orange needles (EtOH). Mp 222-224°.

Hughes, G.K. *et al*, *Nature* (*London*), 1948, **162**, 223 (*isol*)
Drummond, L.J. *et al*, *Aust. J. Sci. Res., Ser. A*, 1949, **2**, 630 (*isol, struct*)
Brown, R.D. *et al*, *Aust. J. Sci. Res., Ser. A*, 1950, **3**, 593 (*struct*)
Govindachari, T.R. *et al*, *Tetrahedron*, 1966, **22**, 3245 (*Des-N-methylacronycine*)
MacDonald, P.L. *et al*, *Aust. J. Chem.*, 1966, **19**, 275 (*struct*)
Svoboda, G.H. *et al*, *J. Pharm. Sci.*, 1966, **55**, 758 (*pharmacol*)
Svoboda, G.H. *et al*, *Lloydia*, 1966, **29**, 206 (*rev*)
Beck, J.R. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 4706 (*synth*)
Gougoutas, J.Z. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 853 (*cryst struct*)
Hlubucek, J. *et al*, *Aust. J. Chem.*, 1970, **23**, 1881 (*synth*)
Sullivan, H.R. *et al*, *J. Med. Chem.*, 1970, **13**, 904 (*metab*)
Gout, P.W. *et al*, *J. Cell Physiol.*, 1972, **78**, 127 (*biochem*)
Lahey, F.M. *et al*, *Aust. J. Chem.*, 1973, **26**, 2311 (*synth*)
Saxton, J.E., *Chem. Heterocycl. Compd.*, 1973, **9**, 379 (*rev*)
Tan, P. *et al*, *Cancer Res.*, 1973, **33**, 2320 (*pharmacol*)
Bert, M. *et al*, *Phytochemistry*, 1974, **13**, 301 (*isol*)
Betts, R.E. *et al*, *J. Med. Chem.*, 1974, **17**, 599.
Brannon, D.R. *et al*, *J. Med. Chem.*, 1974, **17**, 653.
Adams, J. *et al*, *Chem. Ind.* (*London*), 1976, 109 (*synth*)
Blechert, S. *et al*, *Chem. Ber.*, 1978, **111**, 439 (*synth*)
Adams, J.H. *et al*, *Tetrahedron*, 1981, **37**, 209 (*synth*)
Funayama, S. *et al*, *J. Nat. Prod.*, 1983, **46**, 391 (*cmr*)
Gerzon, K. *et al*, *Alkaloids* (*N.Y.*), 1983, **21**, 1 (*rev*)
Skaltsounis, A.L. *et al*, *J. Nat. Prod.*, 1983, **46**, 732 (*isol*)
Funayama, S. *et al*, *Planta Med.*, 1984, **50**, 121 (*pmr*)
Reisch, J. *et al*, *Justus Liebigs Ann. Chem.*, 1984, 31 (*synth*)
Watanabe, M. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 1264 (*synth, bibl*)
Brum-Bousquet, M. *et al*, *Planta Med.*, 1985, 536 (*isol*)

Acrosoxacin, BAN A-00051

1-Ethyl-1,4-dihydro-4-oxo-7-(4-pyridinyl)-3-quinolinecarboxylic acid, 9CI. ***Rosoxacin, INN, USAN***
[40034-42-2]

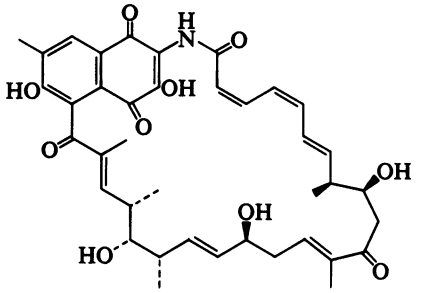


$C_{17}H_{14}N_2O_3$ M 294.309
Antibacterial agent. Yellow cryst. (DMF). Mp 290°.

U.S.P., 3 907 808, (*1975*); *CA*, **84**, 43880p (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12323.

Actamycin A-00052

30-Dechloro-2-demethyl-30-hydroxynaphthomycin A, *9CI*
[76045-67-5]

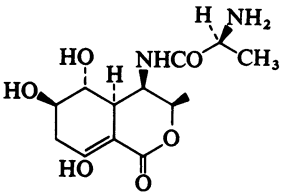


$C_{39}H_{45}NO_{10}$ M 687.785
Ansamycin antibiotic. Isol. from *Streptomyces* sp. E 784. Active against gram-positive bacteria. Mp 190-192°.

Allen, M.S. *et al*, *Tetrahedron Lett.*, 1981, **22**, 1145 (*struct*)
McDonald, I.A. *et al*, *Tetrahedron Lett.*, 1981, **22**, 1149 (*struct*)
Becker, A.M. *et al*, *J. Antibiot.*, 1983, **36**, 1323 (*biosynth*)

Actinobolin A-00053

Actinovorin. NSC 31083
[24397-89-5]



$C_{13}H_{20}N_2O_6$ M 300.311
From *Streptomyces griseoviridus* var. *atrofaciens*. Broad-spectrum antibiotic. Possesses antitumour props. Exptl. cariostat. Amorph. powder. Sol. H_2O, EtOH. $[\alpha]_D^{28}$ +59° (c, 0.5 in pH 7 phosphate buffer). pK_{a1} 7.5, pK_{a2} 8.8. Unstable in alk. soln.

▷NQ7800000.

2B,H_2SO_4: [18802-17-0]. Cryst. (EtOH aq.). $[\alpha]_D^{22}$ +54.5° (c, 1 in H_2O).

Haskell, T.H. *et al*, *Antibiot. Ann*, 1958-1959, 497 (*isol, props*)
Struck, R.F. *et al*, *Tetrahedron Lett.*, 1967, 1589 (*struct*)
Monk, M.E. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 1087.
Antosz, F.J. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 4933 (*abs config*)
Hunt, D.E. *et al*, *J. Dent. Res.*, 1971, **50**, 371 (*props*)
Wetherington, J.B. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 501 (*cryst struct*)
v. Dreele, R.B., *Acta Crystallogr., Sect. B*, 1976, **32**, 2853 (*cryst struct*)
Yoshioka, M. *et al*, *Heterocycles*, 1984, **21**, 151.
Yoshioka, M. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 1133 (*synth*)
Kozikowski, A.P. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 5167 (*synth, bibl*)

Actinomycin *C*, BAN A-00054

Actinochrysin. Actinomycin KS-2. ***Cactinomycin, INN, USAN.*** *Oncostatin C. Sanamycin. HBF 386. S-67. Antibiotic HBF 386. Antibiotic S-67*
[8052-16-2]
Mixt. of Actinomycins C_1 (Dactinomycin), C_2 and C_3; 10%, 45% and 45% respec. Prod. by *Streptomyces chrysomallus*. Active against gram-positive bacteria and tumours. Red solid. Mp 252° dec. $[\alpha]_D^{19}$ −309° (c, 0.25 in EtOH).

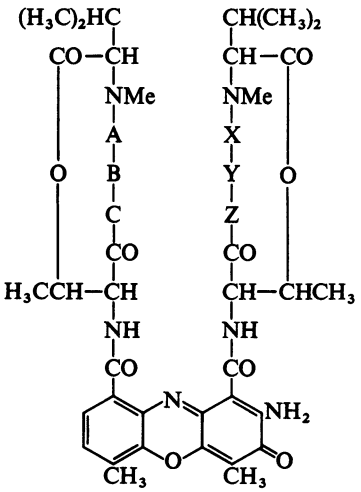
▷AU1400000.

Brockmann, H. *et al*, *Angew. Chem.*, 1955, **67**, 618; 1956, **68**, 70 (*isol, struct*)
Brockmann, H., *Fortschr. Chem. Org. Naturst.*, 1960, **18**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1801.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 134.

Actinomycin C_2 A-00055

2^A-D-Alloisoleucineactinomycin D, *9CI. Actinomycin VI. Actinomycin Au_2. Actinomycin I_2. Auranthin A-2. Auranthin B*

[2612-14-8]



A = X = Sar
B = Y = L-Pro
C = D-Val
Z = D-Alloisoleucine

$C_{63}H_{88}N_{12}O_{16}$ M 1269.459

Isol. from *Actinomyces* sp. Biol. props. virtually identical with Actinomycin *D*. Red pyramids or prisms (EtOH). Mp 237-239°. $[\alpha]_D$ −325° (c, 0.23 in MeOH).

▷AU1490000.

Brockmann, H. *et al*, *Naturwissenschaften*, 1952, **39**, 429 (*isol*)
Brockmann, H. *et al*, *Tetrahedron Lett.*, 1964, 3517 (*synth*)
Conti, F. *et al*, *Nature* (*London*), 1970, **227**, 1239 (*conformn, pmr*)
Lackner, H., *Chem. Ber.*, 1970, **103**, 2476 (*synth, nmr, ms*)
Lackner, H., *Tetrahedron Lett.*, 1970, 2807 (*conformn, pmr*)
Meienhofer, J., *J. Am. Chem. Soc.*, 1970, **92**, 3771 (*synth*)
Martin, D.G. *et al*, *J. Antibiot.*, 1986, **39**, 721 (*purifn*)

Actinomycin C_3 A-00056

2^A-D-Alloisoleucine-2^B-D-alloisoleucineactinomycin D, *9CI. Actinomycin VII. Actinomycin Au_1. Actinomycin I_3. Auranthin A*

[6156-47-4]

As Actinomycin C_2, A-00055 with

A = X = Sar
B = Y = L-Pro
C = Z = D-alloisoleucine

$C_{64}H_{90}N_{12}O_{16}$ M 1283.486

Isol. from *Actinomyces* sp. Similar biol. activity to Actinomycin *D*. Red hexagonal bipyramids (EtOAc). Mp 235° dec. $[\alpha]_D^{17}$ −328° (c, 0.5 in EtOH).

▷AU1577500.

Brockmann, H. *et al*, *Angew. Chem.*, 1956, **68**, 70 (*isol, struct*)
Bachmann, H.G. *et al*, *Nature* (*London*), 1964, **201**, 261 (*cryst struct*)
Brockmann, H. *et al*, *Chem. Ber.*, 1967, **100**, 353; 1968, **101**, 1312, 2231 (*synth, uv, nmr*)
Martin, D.G. *et al*, *J. Antibiot.*, 1986, **39**, 721 (*purifn*)

Actinomycin *D*, 9CI, 8CI, JAN A-00057

Dactinomycin, INN. *Actinomycin IV. Actinomycin A_{IV}. Actinomycin Au_3. Actinomycin B_1. Actinomycin B_{IV}. Actinomycin C_1. Actinomycin D_{IV}. Actinomycin Fo. Actinomycin I_1. Actinomycin S_2. Actinomycin X_1. Auranthin A-3. Auranthin C. Cosmegen. Cosmogen. Meractinomycin. Oncostatin K. NSC 3053*

[50-76-0]

As Actinomycin C_2, A-00055 with

A = X = Sar
B = Y = L-Pro
C = Z = D-Val

$C_{62}H_{86}N_{12}O_{16}$ M 1255.432

Depsipeptide antibiotic. Isol. from *Actinomyces* spp. Active against gram-positive bacteria and tumours. Red rhomboids $+3H_2O$ (EtOH). Mp 246-247°. $[\alpha]_D^{28}$ −315° (c, 0.25 in MeOH).

▷AU1575000.

Di-Me ester; B,HCl: Mp 251-253°. $[\alpha]_D^{20}$ −130° ($CHCl_3$).

▷Exp. carcinogen and teratogen

Bullock, E. *et al*, *J. Chem. Soc.*, 1957, 3280 (*struct, uv*)
Brockmann, H. *et al*, *Naturwissenschaften*, 1964, **51**, 382, 384 (*synth*)
Meienhofer, J., *J. Am. Chem. Soc.*, 1970, **92**, 3771 (*synth*)
Lackner, H., *Chem. Ber.*, 1971, **104**, 3653 (*synth, ir, ms, nmr*)
Lackner, H., *Tetrahedron Lett.*, 1971, 2221 (*struct, pmr, conformn*)
Hollstein, U. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 8036 (*cmr, struct*)
Gottschewski, G.H.M., *Arzneim.-Forsch.*, 1980, **30**, 236 (*rev, pharmacol*)
Goldman, D. *et al Cancer Treat. Rep.*, 1981, **65**, 43 (*rev*)
Nakajima, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 3237 (*synth*)
Mauger, A.B. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 7154 (*synth, struct*)
Terent'eva, T.G. *et al*, *Antibiot. Med. Bioteknol.*, 1985, **30**, 619 (*rev, pharmacol*)
Martin, D.G. *et al*, *J. Antibiot.*, 1986, **39**, 721 (*purifn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1802.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 134.

Actinoxanthine A-00058

[59680-34-1]

Polypeptide antibiotic containing 112 amino acid residues (see refs. for struct.) and an unstable chromophore of unknown struct.

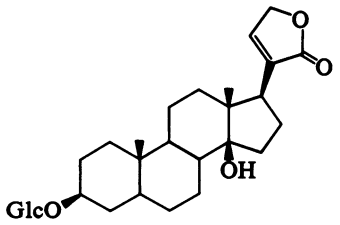
Prod. by *Streptomyces globisporus*. V. active against gram-positive bacteria and tumours.

▷AU2365000.

Khoklov, A.S. *et al*, *J. Antibiot.*, 1969, **22**, 541; 1976, **29**, 1026 (*isol, struct*)
Zhigis, L.S. *et al*, *Bioorg. Chem.*, 1976, **2**, 506.
Samy, T.S.A. *et al*, *J. Biol. Chem*, 1983, **258**, 183 (*struct*)
Kuzin, A.P. *et al*, *CA*, 1985, **101**, 163274 (*cryst struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 135.

Actodigin, INN, USAN **A-00059**

3-(β-D-Glucopyranosyloxy)-14,23-dihydroxy-24-norchol-20(22)-en-21-oic acid γ-lactone, 9CI. Actinogen. AY 22241



$C_{29}H_{44}O_9$ M 536.661

(3β,5β,14β)-form [36983-69-4]

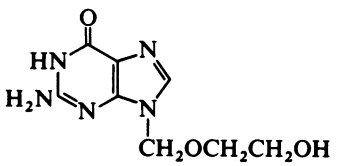
Cardiotonic drug. Mp 237-240°. $[\alpha]_D$ −39.4° (EtOH).

Ferland, J.M., *Can. J. Chem.*, 1974, **52**, 1652 (*synth, pmr*)
Mendez, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1974, **188**, 189 (*pharmacol*)
Fullerton, D.S. *et al*, *Mol. Pharmacol.*, 1980, **17**, 43 (*cryst struct, props*)

Acyclovir, BAN, USAN **A-00060**

2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6H-purin-6-one, 9CI. 9-(2-Hydroxyethoxymethyl)-guanine. ***Aciclovir, INN****. Acycloguanosine. Cycloviran. Milavir. Zovirax. BW 248U*

[59277-89-3]



$C_8H_{11}N_5O_3$ M 225.207

Antiviral agent. Cryst. (EtOH). Mp ~ 225° dec.

▷UO7504000.

Na salt: [69657-51-8]. *Acyclovir sodium, USAN.*

6-Deoxy: [84408-37-7]. ***Desciclovir, INN, USAN****. 6-Deoxyacyclovir. BWA 515U.*

$C_8H_{11}N_5O_2$ M 209.207

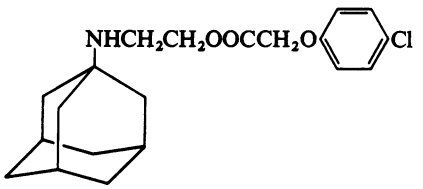
Antiviral agent (prodrug of Acyclovir). Cryst. (EtOH). Mp 187-189°.

Ger. Pat., 2 539 963, (*1976*); *CA*, **84**, 180300p (*synth*)
Elion, G.B. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1977, **74**, 5716 (*pharmacol*)
Birnbaum, G.I. *et al*, *Can. J. Chem.*, 1984, **62**, 2646 (*cryst struct*)
Fiddian, A.P., *Appl. Virol.*, 1984, 103 (*rev, pharmacol*)
Krenitsky, T.A. *et al*, *Proc. Natl. Acad. Sci. USA*, 1984, **81**, 3209 (*synth, pharmacol*)
Chu, C.K. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 289 (*rev*)
Kelley, J.L. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 271 (*synth*)
Krasny, H.C. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 4339 (*metab*)
Radl, S. *et al*, *Cesk. Farm.*, 1987, **36**, 58 (*synth*)
Matsumoto, H. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1153 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1682, 16177, 16807.

Adafenoxate, INN **A-00061**

2-(Tricyclo[3.3.1.1^{3,7}]dec-1-ylamino)ethyl (4-chlorophenoxy)acetate, 9CI. 2-(1-Adamantylamino)ethyl p-chlorophenoxy acetate

[82168-26-1]



$C_{20}H_{26}ClNO_3$ M 363.883

Antidepressant, nootropic agent. Cryst. (pet. ether).

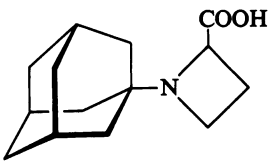
B,HCl: [85522-88-9]. Cryst. (Et_2O/MeOH).

U.S.P., 4 476 319, (*1982*); *CA*, **98**, 178059f (*synth, pharmacol*)

1-(1-Adamantyl)-2-azetidinecarboxylic acid **A-00062**

1-Tricyclo[3.3.1.1^{3,7}]dec-1-yl-2-azetidinecarboxylic acid, 9CI. ***Carmantadine, USAN, INN****. Sch 15427*

[38081-67-3]



$C_{14}H_{21}NO_2$ M 235.325

(±)-form

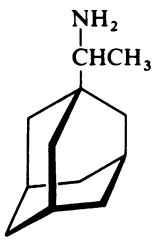
Antiparkinsonian drug. Cryst. ($CHCl_3$/hexane). Mp 172-173°.

Ger. Pat., 2 156 499, (*1972*); *CA*, **77**, 88330f (*synth, pharmacol*)

1-(1-Adamantyl)ethylamine **A-00063**

α-Methyltricyclo[3.3.1.1^{3,7}]decane-1-methanamine, 9CI. α-Methyl-1-adamantanemethylamine, 8CI. ***Rimantadine, INN****. Remantadine. Meradan. EXP 126. JP 61*

[13392-28-4]



$C_{12}H_{21}N$ M 179.305

(±)-form

Antiviral agent.

B,HCl: [1501-84-4]. *Rimantadine hydrochloride, USAN.* Mp 373-375° (sealed tube).

▷AU4717000.

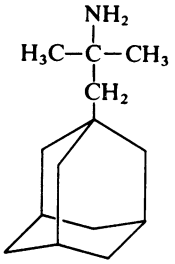
B.P., 1 069 563, (*1969*); *CA*, **75**, 140372w (*synth*)
Szabo, M.M., *Proc. Soc. Exp. Biol. Med.*, 1969, **131**, 1055 (*pharmacol*)
Indulen, M.K. *et al*, *Dev. Antiviral Ther.*, 1979, 107 (*rev, pharmacol, use*)
Zlydnikov, D.M. *et al*, *Rev. Infect. Dis.*, 1981, **3**, 408 (*rev, use*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1686.

1-Adamantyl-2-methyl-2-propylamine **A-00064**

α,α-Dimethyltricyclo[3.3.1^{3,7}]decane-1-ethanamine, 10CI. α,α-Dimethyl-1-adamantaneethylamine. ***Somantadine, INN***

[79594-24-4]



$C_{14}H_{25}N$ M 207.358

Antiviral agent.

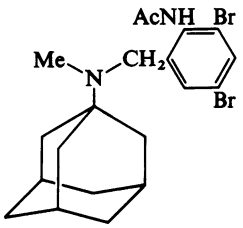
B,HCl: [68693-30-1]. *Somantadine hydrochloride, USAN. PR-741-976A.* Cryst. ($CHCl_3$). Mp 294-295°.

U.S.P., 4 100 170, (*1978*); *CA*, **90**, 86875g (*synth, pharmacol*)

Adamexine, INN **A-00065**

N-[2,4-Dibromo-6-[(methyltricyclo[3.3.1.1.^{5,7}]dec-1-ylamino)methyl]phenyl]acetamide, 9CI. α-(1-Adamantylmethylamino)-4′,6′-dibromo-o-acetotoluidide

[54785-02-3]



$C_{20}H_{26}Br_2N_2O$ M 470.246

Spasmolytic, mucolytic agent.

B,HCl: [57637-88-4]. Mp 250-254°.

Escartin, P. *et al*, *Cienc. Ind. Farm.*, 1973, **5**, 50 (*pharmacol*)

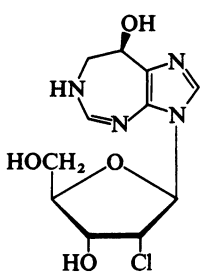
Ger. Pat., 2 436 909, (*1976*); *CA*, **84**, 150386d (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3900.

Adechlorin **A-00066**

3-(2-Chloro-2-deoxy-β-D-ribofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-d][1,3]diazepin-8-ol, 9CI. 2′-Chloropentostatin. OMR 37

[96328-17-5]



$C_{11}H_{15}ClN_4O_4$ M 302.717

Nucleoside antibiotic. Isol. from an unidentified actinomycete and by *Actinomadura* sp. Inhibitor of adenosine deaminase, shows antibacterial activity. Needles (H_2O). $[\alpha]_D$ +28.5° (pH7 phosphate buffer).

Omura, S. *et al*, *J. Antibiot.*, 1985, **38**, 1008 (*isol*)

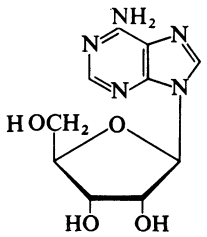
Schaumberg, J.P. *et al*, *J. Org. Chem.*, 1985, **50**, 1651 (*isol, uv, ir, pmr, cmr*)

Jackson, R.C. *et al*, *Adv. Enzyme Regul.*, 1986, **25**, 125 (*pharmacol*)

Adenosine, 9CI, 8CI **A-00067**

9-β-D-Ribofuranosyl-9H-purin-6-amine, 9CI. 9-β-D-Ribofuranosyladenine, 8CI. 6-Amino-9-β-D-ribofuranosyl-9H-purine

[58-61-7]



$C_{10}H_{13}N_5O_4$ M 267.244

Widely distributed in nature. One of the four principal nucleosides of nucleic acid. Mp 234-236°. $[\alpha]_D^{11}$ −61.7° (c, 0.7 in H_2O). λ_{max} 259 nm (ε 15 400) (H_2O, pH 7).

▷AU7175000.

6N-(Dimethylallyl): see N-(3-Methyl-2-butenyl)-adenosine, M-00234

2-Me: see 2-Methyladenosine, M-00219

6N-Trityl: Mp 153-156°.

6N-(p-Anisoyl): Mp 155-156°. λ_{max} 292 nm (ε 28 400) (95% EtOH).

2′,3′-O-Isopropylidene: [362-75-4]. *2′,3′-O-Isopropylideneadenosine.*
$C_{13}H_{17}N_5O_4$ M 307.308
Mp 220°.

3′-Ac: [6554-21-8].
$C_{12}H_{15}N_5O_5$ M 309.281
Mp 180-181°. λ_{max} 260 nm (ε 14 130) (95% EtOH aq.).

5′-Ac: [2140-25-2].
$C_{12}H_{15}N_5O_5$ M 309.281
Mp 143°.

5′-Pivaloyl: Mp 162-163°. λ_{max} 260 nm (ε 13 180) (95% EtOH aq.).

5′-Tosyl: [5135-30-8]. Mp 151-153°.

3′,5′-Di-Ac:
$C_{14}H_{17}N_5O_6$ M 351.318
Mp 175-176°.

3′,5′-Dibenzoyl:
$C_{24}H_{21}N_5O_6$ M 475.460
Mp 193-194°.

2′,3′,5′-Tribenzoyl:
$C_{31}H_{25}N_5O_7$ M 579.568
Glass. $[\alpha]_D^{22}$ −71° (c, 1.0 in $CHCl_3$). λ_{max} 258 (ε 20 500), 231 nm (47 100) (EtOH).

6N,2′,3′,5′-Tetrabenzoyl:
$C_{38}H_{29}N_5O_8$ M 683.676
Glass. $[\alpha]_D^{22}$ −94° (c, 1.0 in $CHCl_3$). λ_{max} 279 (ε 22 400), 230 nm (49 200) (EtOH).

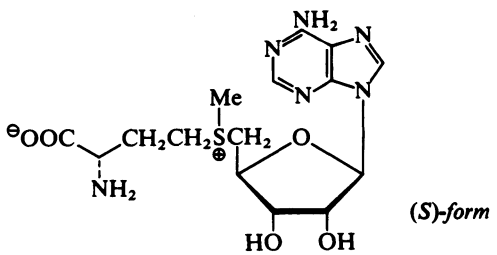
3′-Benzoyl, 2′-methoxytetrahydropyranyl: Mp 233-235°. λ_{max} 259 (ε 17 000), 234 nm (16 300) (95% EtOH).

2',3'-Cyclic monophosphate, Na salt: [37063-35-7]. Hydrate. Mp 241-243° dec.
3',5'-Cyclic monophosphate: see Cyclic AMP, C-00591
5'-Trityl: Mp 259°. $[\alpha]_D^{20}$ −8.8° ($CHCl_3$).
6N,5'-Ditrityl: [31085-55-9]. Mp 215-216°.
6N,2',5'-Tritrityl: [31085-56-0]. Mp 153-157°.
6N,3',5'-Tritrityl: [31085-57-1]. Mp 155-158°.
N-(o-*Methylbenzyl*): [23707-33-7]. N-[(*2-Methylphenyl*)*methyl*]*adenosine*, *9CI.* ***Metrifudil, INN.***
$C_{18}H_{21}N_5O_4$ M 371.395
Coronary vasodilator. Mp 157-158°.

Davoll, J. *et al*, *J. Chem. Soc.*, 1948, 967 (*synth*)
Formageot, H.P.M. *et al*, *Tetrahedron*, 1967, **23**, 2315.
South African Pat., 6 707 414, (*1968*); *CA*, **70**, 115505f (*Metrifudil*)
Blank, H.U. *et al*, *Justus Liebigs Ann. Chem.*, 1970, **742**, 34.
Shikata, K. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 31 (*cryst struct*)
Sarma, R.H. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 7337 (*pmr, conformn*)
Earl, R.A. *et al*, *J. Org. Chem.*, 1975, **40**, 1822 (*cmr*)
Reese, C.B. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 934.
Ishido, Y. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 657.
Wilson, C.C. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 697 (*cryst struct, triacetyl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18724.

S-Adenosylmethionine A-00068

5'-[(3-Amino-3-carboxypropyl)methyl]sulfonio]-5'-deoxyadenosine hydroxide inner salt, 9CI. Active methiamine



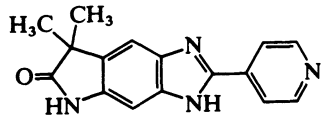
(*S*)-*form*

$C_{15}H_{22}N_6O_5S$ M 398.436
(*S*)-*form* [29908-03-0]
Ademetionine, INN. *Donor. Gumbaral. SAM. Samet. Samyr. Tunik*
Metab. intermed. which functions as the principal biological donor of methyl groups, as the source of the propylamine moieties of spermidine and spermine, and as the regulator of a variety of enzymatic reactions. Metabolic; used to treat hepatic disorders. Also under investigation as an antidepressant.
▷AU7334000.

Cantoni, G.L. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2942 (*synth*)
Baddiley, J. *et al*, *J. Chem. Soc.*, 1955, 1085 (*synth*)
Lombardini, J.B. *et al*, *Adv. Enzyme Regul.*, 1971, **9**, 349 (*rev*)
Cornforth, J.W. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 7292 (*abs config*)
Salvatore, F. *et al*, Eds., *The Biochemistry of Adenosylmethionine*, Columbia Univ. Press, 1977 (*book*)
Stolowitz, M.L. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 6015 (*pmr*)
Zappià, V. *et al*, *Methods Enzymol.*, 1983, **94**, 57 (*rev, hplc*)
Giulidori, P. *et al*, *Eur. J. Clin. Pharmacol.*, 1984, **27**, 119 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12326.

Adibendan, INN A-00069

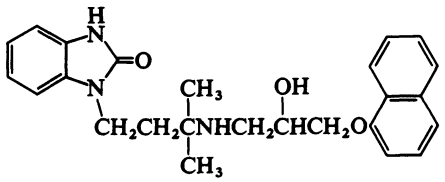
5,7-Dihydro-7,7-dimethyl-2-(4-pyridinyl)pyrrolo[2,3-f]benzimidazol-6(1H)-one, 9CI. BM 14.478
[100510-33-6]



$C_{16}H_{14}N_4O$ M 278.313
Cardiotonic. Cryst. (EtOH aq.). Mp 205-252°.
Mertens, A. *et al*, *J. Med. Chem.*, 1987, **30**, 1279 (*synth, pharmacol*)

Adimolol, INN A-00070

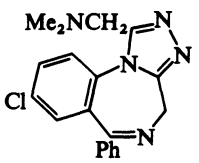
1,3-Dihydro-1-[3-[[2-hydroxy-3-(1-naphthalenyloxy)-propyl]amino]-3-methylbutyl]-2H-benzimidazol-2-one, 9CI. MEN 935. Imidolol
[78459-19-5]



$C_{25}H_{29}N_3O_3$ M 419.522
(±)-*form*
Sympatholytic agent.
B,HCl: [75708-29-1]. Cryst. (EtOH) + $1H_2O$. Mp 161°.
U.S.P., 4 255 430, (*1981*); *CA*, **95**, 62017f (*synth*)
Wiedemann, I. *Arzneim.-Forsch.*, 1983, **33**, 861 (*hplc*)
Wiedemann, I. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 964 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18725.

Adinazolam, USAN, INN A-00071

8-Chloro-N,N-dimethyl-6-phenyl-4H-[1.2.4]-triazolo[4,3-a][1,4]benzodiazepine-1-methanamine, 9CI. 8-Chloro-1-[(dimethylamino)methyl]-6-phenyl-4H-s-triazolo[4,3-a][1,4]benzodiazepine. Deracyn. U-41,124
[37115-32-5]



$C_{19}H_{18}ClN_5$ M 351.838
Antidepressant and tranquilliser. Cryst. (EtOAc/hexane). Mp 171-172.5°.
B, $MeSO_3H$: [57938-82-6]. *Adinazolam mesylate, USAN.*
Hsi, R.S.P. *et al*, *J. Labelled Compd. Radiopharm.*, 1976, **12**, 613 (*synth*)

Hester, J.B. *et al*, *J. Org. Chem.*, 1979, **44**, 4165; *J. Med. Chem.*, 1980, **23**, 392 (*synth, pharmacol*)
Lahti, R.A. *et al*, *Neuropharmacol.*, 1983, **22**, 1277 (*pharmacol*)
Sethy, V.H. *et al*, *J. Pharm. Pharmacol.*, 1984, **36**, 546 (*pharmacol*)
Palmer, J.R., *J. Labelled Compd. Radiopharm.*, 1986, **23**, 161 (*synth*)
Wagner, J.G. *et al*, *Biopharm. Drug Dispos.*, 1987, **8**, 405.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12327.

Adiphenine, INN A-00072

2-(Diethylamino)ethyl α-phenylbenzeneacetate, 9CI. 2-Diethylaminoethyl diphenylacetate. Adiphen. Difacil. Diphacil. Spasmolytin. Patrovina. NSC 129224

[64-95-9]

$Ph_2CHCOOCH_2CH_2NEt_2$

$C_{20}H_{25}NO_2$ M 311.423

Smooth muscle relaxant, anticholinergic.

▷AH2624000.

B,HCl: [50-42-0]. *Adiphenine hydrochloride, USAN. Trasentine.* Needles. Sol. H_2O. Mp 113-114°.

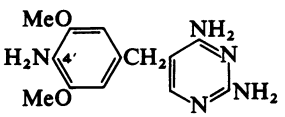
▷AH2625000.

Swiss Pat., 190 541, (*1938*); *CA*, **32**, 589 (*synth*)
Swiss Pat., 192 070, (*1938*); *CA*, **32**, 4174 (*synth*)
Swiss Pat., 192 697, (*1938*); *CA*, **32**, 4284 (*synth*)
Japan. Pat., 177 596, (*1951*); *CA*, **45**, 7598 (*synth*)
Guy, J.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 942 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 336.

Aditeren, INN A-00073

5-[(4-Amino-3,5-dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, 9CI. 2,4-Diamino-5-(4-amino-3,5-dimethoxybenzyl)pyrimidine

[56066-19-4]



$C_{13}H_{17}N_5O_2$ M 275.310

Bactericide, diuretic. Inhibits dihydrofolate reductase.

B,2HCl: Cryst. (MeOH/EtOH). Mp 286° dec.

N4',N4'-Di-Me: [56066-63-8]. ***Aditoprime, INN.***

$C_{15}H_{21}N_5O_2$ M 303.363

Bactericide. Cryst. (MeOH). Mp 218-219°.

Ger. Pat., 2 443 682, (*1975*); *CA*, **83**, 43376h (*synth, use*)
Kompis, I. *et al*, *Enzyme Inhibitors*, 1980, Verlag Chemie, Weinheim, 177 (*biochem*)
Seiler, P. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 711.

Adrafinil, INN A-00074

2-[(Diphenylmethyl)sulfinyl]-N-hydroxyacetamide, 9CI. 2-[(Diphenylmethyl)sulfinyl]acetohydroxamic acid. Olmifon. CRL 40028

[63547-13-7]

$Ph_2CHSOCH_2CONHOH$

$C_{15}H_{15}NO_3S$ M 289.348

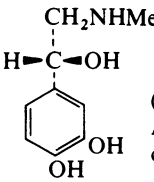
Anticholinergic agent. Cryst. (EtOAc/2-propanol). Mp 159-160°.

Ger. Pat., 2 642 511, (*1977*); *CA*, **87**, 134596d (*synth, pharmacol*)
Roze, C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **265**, 119 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3018.

Adrenaline A-00075

4-[1-Hydroxy-2-(methylamino)ethyl]-1,2-benzenediol, 9CI. 3,4-Dihydroxy-α-[(methylamino)methyl]benzyl alcohol, 8CI. 1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol. ***Epinephrine, INN, USAN.*** *Bronkaid. Epifrin. Glaucon*

[6912-68-1]



(R)-form
Absolute configuration

$C_9H_{13}NO_3$ M 183.207

Detected in callus tissue of *Portulaca grandiflora* (chirality not establ.) (Portulacaceae).

▷High oral toxicity. Antidote; guanine. May cause contact dermatitis

(R)-form [51-43-4]

L-form (obsol.)

Active constit. of the suprarenal gland. Adrenergic agent, vasoconstrictor. White powder. Mp 213° dec. $[\alpha]_D^{20}$ −50° to −53° (c, 4 in 1M HCl).

▷DO2625000.

B,HCl: Mp 157°.

Cyclic borate: [5579-16-8]. ***Epinephryl borate, USAN.*** *Epinal.* Ophthalmic adrenergic agent.

N-Me: [554-99-4]. ***N-Methyladrenaline.*** *4-[2-(Dimethylamino)-1-hydroxyethyl]-1,2-benzenediol, 9CI.*

$C_{10}H_{15}NO_3$ M 197.233

Alkaloid from tubers of *Aconitum nasutum* (Ranunculaceae).

▷DO5425000.

N-De-Me: see Noradrenaline, N-00208

Tartrate: [51-42-3]. ***Epinephrine bitartrate, USAN.*** *Epitrate. Suprarenin.* Ophthalmic adrenergic agent.

▷DO3500000.

(S)-form [150-05-0]

D-form (obsol.)

Mp 211-212°.

▷DO2800000.

(±)-form [329-65-7]

Racepinefrine, INN, USAN. *Vaponephrin*

Vasoconstrictor, often employed as bitartrate or borate. Microscopic cryst. Sl. sol. H_2O. Mp >230° dec.

▷DO2975000.

B,HCl: Racepinephrine hydrochloride, USAN.

Di-Ac:

$C_{13}H_{17}NO_5$ M 267.281

Mp 168°.

Di-Ac; B,HCl: Mp 155-156°.

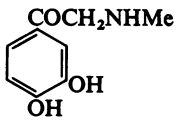
Abderhalden, E. *et al*, *Ber.*, 1904, **37**, 2022 (*isol*)
Ciocca, B., *Boll. Chim. Farm.*, 1934, **73**, 241; *CA*, **28**, 4398 (*synth*)
Pratesi, P. *et al*, *J. Chem. Soc.*, 1959, 4062 (*abs config*)
Payne, K.R., *Industrial Chemist*, 1961, **37**, 523 (*manuf, bibl*)
Thies, H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1962, **295**, 194 (*uv*)

Carlström, D., *Acta Crystallogr., Sect. B*, 1973, **29**, 161 (*cryst struct*)
Hawkins, C.J. *et al*, *Aust. J. Chem.*, 1973, **26**, 2553 (*resoln*)
Samokish, I.I. *et al*, *CA*, 1975, **84**, 102283 (*isol, deriv*)
Nagatsu, T., *Method. Chim.*, 1977, **11**, 194 (*rev*)
Szulczewski, D. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 193 (*rev*)
McLean, J.R., *Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1980, **9**, 241 (*rev*)
Weisser, U., *Med. Welt.*, 1980, **31**, 40 (*synth*)
Lai, A. *et al*, *J. Chem. Soc., Faraday Trans. 2*, 1981, **77**, 227 (*cmr*)
Endress, R. *et al*, *J. Plant Physiol.*, 1984, **115**, 291; *CA*, **101**, 127016u (*occur*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1288 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 336, 2041, 2042.

Adrenalone, INN, USAN A-00076

1-(3,4-Dihydroxyphenyl)-2-(methylamino)ethanone, 9CI. 3',4'-Dihydroxy-2-methylaminoacetophenone, 8CI. Adrenone. Chemosan. Damazor. Haemodan. Kephrine. Ketogaze. Remestyp (old form). Stryphnon. Stypnon

[99-45-6]



$C_9H_{11}NO_3$ M 181.191

Shows similar physiological activity to Adrenaline. Sympathomimetic, vasoconstrictor, haemostatic. Needles. Mp 235-236° dec.

▷Toxic. AM8050000.

B,HCl: [62-13-5]. Mp 242°.

▷AM8225000.

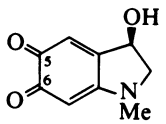
Trisbenzenesulphonyl: Mp 106-107°.

Stolz, F., *Ber.*, 1904, **37**, 4152.
Friedmann, E., *Chem. Zentralbl.*, 1906, **1**, 1620 (*synth*)
Lands, A.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1948, **92**, 369 (*pharmacol*)
Ravina, A. *et al*, *Therapie*, 1953, **8**, 224 (*props, use*)
Biniecki, S. *et al*, *Acta Polon. Pharm.*, 1963, **20**, 245 (*synth*)
Bergin, R., *Acta Crystallogr., Sect. B*, 1971, **27**, 2139 (*cryst struct*)
Hussain, A. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1510 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1711.

Adrenochrome A-00077

2,3-Dihydro-3-hydroxy-1-methyl-1H-indole-5,6-dione, 9CI

[54-06-8]



(R)-form Absolute configuration

$C_9H_9NO_3$ M 179.175

▷NM1925000.

(R)-form

Obt. by oxid. of adrenaline by various means. Has a variety of physiol. props. incl. hallucinogenic. Unstable deep-violet-red needles. $[\alpha]^{25}_{630}$ca. +150°. Readily oxidised → melanin. Dec. between 100° and 135°.

(±)-form

Reddish-violet rods. V. sol. H_2O, EtOH. Mp ca. 125° dec.

5-Semicarbazone: [69-81-8]. ***Carbazochrome, INN.*** *Adrenosem. Adrestat* F. *2-(1,2,3,6-Tetrahydro-3-hydroxy-1-methyl-6-oxo-5H-indol-5-ylidene)-hydrazinecarboxamide, 9CI.*

$C_{10}H_{12}N_4O_3$ M 236.230

Antihaemorrhagic (employed as salicylate complex). Mp 212-213° dec. (202°, 204°).

5-Semicarbazone, sodium salicylate (1:1): [13051-01-9]. *Carbazochrome salicylate, INN.* Orange-red powder. Mp 196-197.5° dec.

▷VO5250000.

p-*Nitrophenylhydrazone:* Brown needles + $4H_2O$ (dioxan). Mp 200°.

Harley-Mason, J., *J. Chem. Soc.*, 1950, 1276 (*abs config*)
Heacock, R.A., *Chem. Rev.*, 1959, **59**, 181 (*rev*)
Heacock, R.A., *Adv. Heterocycl. Chem.*, 1965, **5**, 205 (*rev*)
Balenovic, K. *et al*, *Synthesis*, 1973, 172 (*synth*)
Heacock, R.A., *Prog. Med. Chem.*, 1973, **9**, 275 (*rev*)
Powell, W.S. *et al*, *Can. J. Chem.*, 1973, **51**, 776 (*pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1547.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1716, 1717.

Adrenorphin A-00078

Tyrosylglycylglycylphenylalanylmethionylarginylarginylvalinamide. Metorphamide

[88377-68-8]

H-Tyr-Gly-Gly-Phe-Met-Arg-Arg-Val-NH_2

$C_{44}H_{69}N_{15}O_9S$ M 984.184

Isol. from bovine brain and human pheochromocytoma tumour. Mu-opioid.

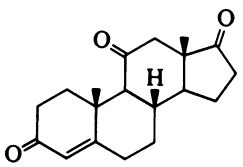
B,3AcOH: [103607-12-1]. Fluffy powder + $2\frac{1}{2}H_2O$. $[\alpha]^{20}_D$ −17.0° (c, 0.5 in H_2O).

Matsuo, H. *et al*, *Nature (London)*, 1983, **305**, 721 (*isol*)
Weber, E. *et al*, *Proc. Natl. Acad. Sci. USA*, 1983, **80**, 7362 (*isol, props*)
Dray, A. *et al*, *Peptides*, 1985, **6**, 217 (*synth, props*)
Fujii, N. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 4326 (*synth, props*)

Adrenosterone A-00079

4-Androstene-3,11,17-trione. Reichstein's Substance G

[382-45-6]



$C_{19}H_{24}O_3$ M 300.397

Constit. of the adrenal cortex. Male sex hormone. Cryst. (EtOH). Mp 220-224°. $[\alpha]^{20}_D$ +262° (EtOH).

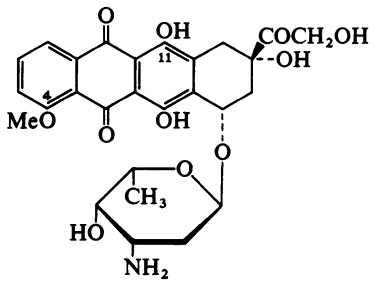
Velluz, L. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1960, **19**, 1293 (*synth*)
Ohrt, J.M. *et al*, *Acta Crystallogr.*, 1965, **19**, 479 (*cryst struct*)
Bradlow, H.L. *et al*, *Steroids*, 1967, **10**, 233 (*metab*)
Hanson, J.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 1956 (*cmr*)
Razzak, K.S.A. *et al*, *Biomed. Mass. Spectrom.*, 1980, **7**, 505 (*ms*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3767 (*synth*)
Van Royen, L.A. *et al*, *Tetrahedron*, 1985, **41**, 4667 (*synth*)

Horiguchi, Y. *et al*, *J. Org. Chem.*, 1986, **51**, 4323 (*synth*)

Adriamycin, 8CI **A-00080**

Doxorubicin, USAN, BAN, INN. *14-Hydroxydaunomycin. Adriacin. Adriblastin. Dox. Farmiblastina. FI 106. K 1039. KW 125. NSC 123127*

[23214-92-8]



$C_{27}H_{29}NO_{11}$ M 543.526

Anthracycline. Metab. of *Streptomyces peucetius*. Antitumour antibiotic. Acid hydrol. affords Daunosamine and Adriamycinone.

▷Highly toxic. AV9800000.

B,HCl: [25316-40-9]. *Doxorubicin hydrochloride, USAN, JAN.* Orange-red needles. Mp 204-205° dec. $[\alpha]_D^{20}$ +248° (c, 0.1 in MeOH).

▷QI9295900.

Aglycone: [24385-10-2]. *8-(Hydroxyacetyl)-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, 9CI. Adriamycinone.*

$C_{21}H_{18}O_9$ M 414.368

Mp 223-224°. $[\alpha]_D^{23}$ +188° (c, 0.1 in dioxan).

Aglycone, penta-Ac: Mp 166°. $[\alpha]_D^{23}$ −94° (c, 0.1 in $CHCl_3$).

4'-Deoxy: [63521-85-7]. ***Esorubicin, INN.*** *4'-Deoxydoxorubicin. IMI 58. NSC 267469.*

$C_{27}H_{29}NO_{10}$ M 527.527

Antineoplastic agent. Mp 163° (as HCl). $[\alpha]_D^{20}$ +320° (c, 0.05 in MeOH).

▷QI9295700.

Demethoxy: [64314-52-9]. ***Medorubicin, INN.*** *4-Demethoxyadriamycin. NSC 256438.*

$C_{26}H_{27}NO_{10}$ M 513.500

Antineoplastic agent.

Demethoxy, B,HCl: [64363-63-9]. Orange cryst. Mp 226-229° dec. $[\alpha]_D^{20}$ +190° (c, 0.042 in MeOH).

11-Deoxy: [71800-89-0]. ***11-Deoxydoxorubicin.***

$C_{27}H_{29}NO_{10}$ M 527.527

Isol. from *Micromonospora* sp. nov. Antibacterial, cytotoxic and antileukaemic.

11-Deoxy; B,HCl: [73952-94-0]. Mp 171-173° dec. $[\alpha]_D^{23}$ +111° (c, 0.2 in MeOH).

11-Deoxy, O⁴-de-Me: [81382-05-0]. ***4-O-Demethyl-11-deoxydoxorubicin.***

$C_{26}H_{27}NO_{10}$ M 513.500

Isol. from *S. peucetius* var. *aureus*. Antibacterial, cytotoxic and antitumour substance.

11-Deoxy, O⁴-De-Me; B,HCl: Mp 208-210° dec. $[\alpha]_D^{25}$ +130° (c, 0.1 in MeOH).

4'-Epimer: [56420-45-2]. ***Epirubicin, BAN.*** *NSC-256942. IMI-28.* Antitumour antibiotic. Apparently incorrectly described as β-anomer in *CA*.

▷QI9295840.

4'-Epimer; B,HCl: [56390-09-1]. *Pharmorubicin.* Red cryst. Mp 185° (dec.). $[\alpha]_D$ +274° (c, 0.01 in MeOH).

3'-Deamino-3'-(3-cyanomorpholinyl): [88254-07-3]. *3'-Deamino-3'-(3-cyanomorpholino)doxorubicin. A 489. MRA-CN. NSC 357704.*

$C_{32}H_{34}N_2O_{12}$ M 638.627

Antineoplastic agent. Mixt. of diastereoisomers.

4'-O-(Tetrahydropyran-2-yl): [72496-41-4]. *4'-O-(Tetrahydropyranyl)adriamycin.* ***Pirarubicin, INN.*** *Theprubicin. THP-ADM. THP-ADR.*

$C_{32}H_{37}NO_{12}$ M 627.644

Antineoplastic agent. Mp 188-192° dec. $[\alpha]_D^{25}$ +175° (c, 0.2 in $CHCl_3$).

Arcamone, F. *et al*, *Tetrahedron Lett.*, 1969, 1007 (*struct, ir, uv, ms, nmr*)

Arcamone, F. *et al*, *J. Med. Chem.*, 1975, **18**, 703 (*Epirubicin*)

Arnone, A. *et al*, *Tetrahedron Lett.*, 1976, 3349 (*cmr*)

Smith, T.H. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 1969 (*synth*)

Ger. Pat., 2 642 837, (*1977*); *CA*, **87**, 68589 (*Esorubicin*)

Arcamone, F. *et al*, *Experientia*, 1978, **34**, 1255 (*Medorubicin*)

Suzuki, F. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 2272 (*synth*)

Swenton, J.S. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 6188 (*synth, ir, uv, ms, nmr*)

Umezawa, H. *et al*, *J. Antibiot.*, 1979, **32**, 1082 (*Pirarubicin, synth, props*)

Cassinelli, G. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 1462 (*derivs*)

Cassinelli, G. *et al*, *J. Antibiot.*, 1980, **33**, 1468; 1982, **35**, 176 (*derivs*)

Vigevani, A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 245 (*rev, synth, anal*)

Barranco, S.C., *Pharmacol. Ther.*, 1984, **24**, 303 (*rev, pharmacol*)

Brown, J.R. *et al*, *Prog. Med. Chem.*, 1984, **21**, 169 (*rev*)

Gioia, B. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 35 (*ms, derivs*)

Salmon, S.E. *et al*, *J. Clin. Oncol.*, 1984, **2**, 282 (*Esorubicin*)

Umezawa, H. *et al*, *J. Antibiot.*, 1984, **37**, 1094 (*Pirarubicin, abs config*)

White, R.J. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 569 (*rev*)

Acton, E.M., *Drugs Exp. Clin. Res.*, 1985, **11**, 1 (*A 489, rev*)

Iguchi, H. *et al*, *Cancer Chemother. Pharmacol.*, 1985, **15**, 132 (*Pirarubicin*)

Acton, E.M. *et al*, *J. Med. Chem.*, 1986, **29**, 1225 (*A 489, synth*)

Kimura, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1986, **59**, 423 (*Medorubicin*)

Allman, T. *et al*, *Can. J. Chem.*, 1987, **65**, 2405 (*pmr, conformn*)

Kajii, K. *et al*, *Iyakuhin Kenkyu*, 1987, **18**, 704 (*Pirarubicin, uv, ir, pmr, struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1831, 2917, 16631, 19147.

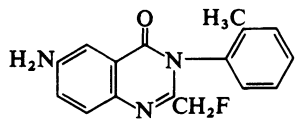
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7522.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 144.

Afloqualone, INN, JAN **A-00081**

6-Amino-2-(fluoromethyl)-3-(2-methylphenyl)-4(3H)-quinazolinone, 9CI. 6-Amino-2-(fluoromethyl)-3-o-tolyl-4(3H)-quinazolinone. Atoquinazone. HQ 495

[56287-74-2]



$C_{16}H_{14}FN_3O$ M 283.305

Muscle relaxant. Pale yellow prisms (2-propanol). Mp 194-196°.

▷VA2350000.

Tani, J. *et al*, *J. Med. Chem.*, 1979, **22**, 95 (*synth, pharmacol, tox*)

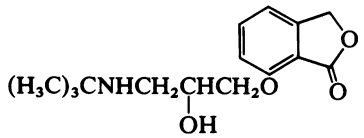
Otsuka, M. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 2438 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12331.

Afurolol, INN **A-00082**

7-[3-(tert-Butylamino)-2-hydroxypropoxy]phthalide. 7-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-1(3H)-isobenzofuranone, 9CI

[65776-67-2]



$C_{15}H_{21}NO_4$ M 279.335

Used as hydrochloride.

(*R*)-*form* [91853-75-7]

Ocular antihypertensive agent.

(±)-*form*

β-Adrenergic blocker.

B,HCl: [55104-39-7]. *DL 071 IT.* Cryst. (MeOH). Mp 156-157°.

Ger. Pat., 2 422 193, (*1974*); *CA*, **83**, 9788j (*synth, deriv*)

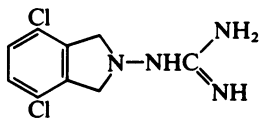
Radice, M. *et al*, *Eur. J. Clin. Pharmacol.*, 1979, **16**, 87 (*pharmacol*)

Eur. Pat., 105 996, (*1984*); *CA*, **101**, 60142m (*use*)

Aganodine, INN **A-00083**

(4,7-Dichloro-1,3-dihydro-2H-isoindol-2-yl)guanidine, 9CI. *BDF 7570*

[86696-87-9]



$C_9H_{10}Cl_2N_4$ M 245.111

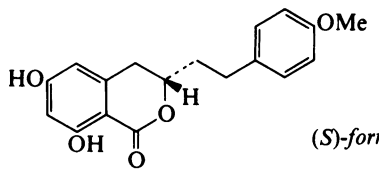
Antihypertensive, sympathomimetic agent.

B,HCl: [85684-07-7]. Mp 235-237°.

Ger. Pat., 3 133 302, (*1983*); *CA*, **98**, 198228 (*synth, pharmacol*)

Agrimonolide **A-00084**

3,4-Dihydro-6,8-dihydroxy-3-[2-(4-methoxyphenyl)-ethyl]-1H-2-benzopyran-1-one, 9CI. *3,4-Dihydro-6,8-dihydroxy-3-(p-methoxyphenethyl)isocoumarin,* 8CI



(*S*)-*form*

$C_{18}H_{18}O_5$ M 314.337

(*S*)-*form* [21499-24-1]

Obt. from rhizome of *Agrimonia pilosa*. Anthelmintic. Columns (MeOH). Mp 175.5-176.5°. $[\alpha]_D^{18}$ +8.1° (c, 3.22 in Me_2CO).

Di-O-Me:

$C_{20}H_{22}O_5$ M 342.391

Needles (MeOH). Mp 104-106°.

(±)-*form* [59367-56-5]

Cryst. (MeOH). Mp 173-174°.

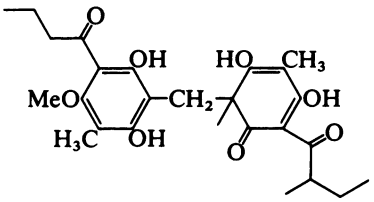
Yamato, M., *Yakugaku Zasshi*, 1958, **76**, 1086; *CA*, **69**, 106431f (*isol*)

Arawaka, H. *et al*, *Tetrahedron Lett.*, 1968, 4115 (*struct*)

Yamato, M. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 200 (*synth, ir, pmr, ms*)

Agrimophol **A-00085**

[65792-05-4]



$C_{26}H_{34}O_8$ M 474.550

Isol. from *Agrimonia pilosa*. Anthelmintic (schistosomicide, teniacide). Cryst. ($CHCl_3$/pet. ether). Bp 138.5-139°.

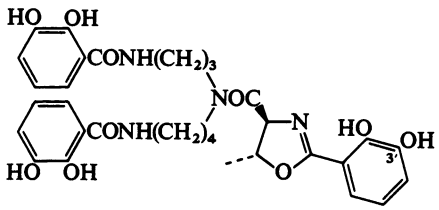
Anon, *CA*, 1978, **88**, 104842; **89**, 20275 (*isol, synth, struct, uv, ir, pmr*)

Wang, G.-F. *et al*, *CA*, 1979, **91**, 134167 (*props*)

Tang, Y. *et al*, *CA*, 1982, **97**, 22919 (*cryst struct*)

Agrobactin **A-00086**

[70393-50-9]



$C_{32}H_{36}N_4O_{10}$ M 636.657

Isol. from *Agrobacterium tumefaciens*. Siderophore. Cryst. (EtOAc/hexane). Dec. at 108-112°.

3'-Deoxy: [74149-70-5]. ***Parabactin.***

$C_{32}H_{36}N_4O_9$ M 620.658

From *Paracoccus denitrificans*. Siderophore with antitumour and antiviral activity. Cryst. (EtOAc/hexane). Mp 114-117°. $[\alpha]_D^{21}$ +99.6° (c, 1.8 in MeOH).

Tait, G.H., *Biochem. J.*, 1975, **146**, 191 (*Parabactin*)

Ong, S.A. *et al*, *J. Biol. Chem*, 1979, **254**, 1860 (*isol, props*)

Peterson, T. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 7715 (*synth, struct*)

Eng-Wilmot, D.L. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 7719 (*cryst struct*)

Sciortino, C.V. *et al*, *J. Lab. Clin. Med.*, 1980, **96**, 1081 (*props*)

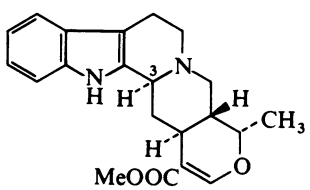
Neilands, J.B., *Methods Enzymol.*, 1983, 94 (*rev*)

Nagao, Y. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 183 (*Parabactin*)

Bergeron, R.J. *et al*, *J. Org. Chem.*, 1985, **50**, 2780 (*synth*)

Ajmalicine **A-00087**

16,17-Didehydro-19-methyloxayohimban-16-carboxylic acid methyl ester, 9CI. *Tetrahydroserpentine. Raubasine. δ-Yohimbine. Vinceine. Vincaine. Py-tetrahydroserpentine. Other synonyms*



Absolute configuration

$C_{21}H_{24}N_2O_3$ M 352.432

(−)-*form* [483-04-5]

19α-form

Alkaloid from *Rauwolfia serpentina*, many other *R.* spp., *Vinca rosea* and many other spp. in the Apocynaceae. Vasodilator. Prisms (MeOH). Mp 259° dec. $[\alpha]_D$ −66° ($CHCl_3$).

▷AX7875000.

B,HCl: Leaflets (EtOH). Mp 289°. $[\alpha]_D^{20}$ −17° (c, 0.5 in MeOH).

3-Epimer: [483-03-4]. ***3-Isoajmalicine***.
$C_{21}H_{24}N_2O_3$ M 352.432
Alkaloid from *Mitragyna* and *Uncaria* spp. (Naucleaceae). Needles (Et_2O). Mp 193-194°.

10-Methoxy: [16812-97-8]. ***Cabucine***. *10-Methoxyajmalicine*.
$C_{22}H_{26}N_2O_4$ M 382.458
Alkaloid from *Cabucala madagascariensis, C. erythrocarpa, C. fasciculata, C. striolata, C. torulosa* and *C. cryptophlebia* (Apocynaceae). Mp 125°. $[\alpha]_D$ −60° ($CHCl_3$).

10,11-Dimethoxy: [55529-56-1]. ***10,11-Dimethoxyajmalicine***.
$C_{23}H_{28}N_2O_5$ M 412.485
Alkaloid from *C. striolata, R. cumminsii* and *Neisosperma glomerata* (Apocynaceae).

(±)-form [24196-16-5]
Synthetic. Mp 228-231°.
B,HCl: Mp 285-286° dec.

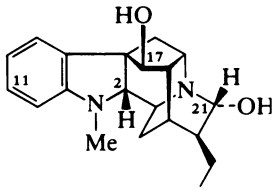
3β,19α,20α-form [642-17-1]
Akuammigine
Raufwolfia alkaloid. Cryst. (EtOH aq.). Mp 113°. $[\alpha]_D^{18.5}$ −42.0° (c, 16 in EtOH).

Klohs, M.W. *et al, J. Am. Chem. Soc.*, 1954, **76**, 1332 (*isol, uv, ir*)
Robinson, R. *et al, J. Chem. Soc.*, 1954, 3479 (*synth, akuammigine*)
Raymond-Hamet, *C.R. Hebd. Seances Acad. Sci.*, 1961, **253**, 2776 (*pharmacol, akuammigine*)
Antonaccio, L.D. *et al, J. Am. Chem. Soc.*, 1962, **84**, 2161 (*ms*)
Shamma, M. *et al, J. Am. Chem. Soc.*, 1963, **85**, 2507 (*ir, pmr, config*)
Laubie, M. *et al, Arzneim.-Forsch.*, 1969, **19**, 1820 (*pharmacol, ajmalicine*)
van Tamelen, E.E. *et al, J. Am. Chem. Soc.*, 1969, **91**, 7359 (*synth*)
Winterfeld, E. *et al, Chem. Ber.*, 1969, **102**, 3558 (*epimer*)
Gutzwiller, J. *et al, J. Am. Chem. Soc.*, 1971, **93**, 5907 (*synth, ir, ms, pmr*)
Douzoua, L.L. *et al, Ann. Pharm. Fr.*, 1972, **30**, 199; *CA*, **77**, 72560v (*Cabucine*)
Levin, R.H. *et al, J. Org. Chem.*, 1973, **38**, 1983 (*cmr*)
Bombardelli, E. *et al, Fitoterapia*, 1974, **45**, 183; *CA*, **83**, 25051u (*10,11-Dimethoxyajmalicine*)
Lohr, J.P. *et al, Arzneim.-Forsch.*, 1975, **25**, 870 (*metab, ajmalicine*)
Brown, R.T. *et al, J. Chem. Soc., Chem. Commun.*, 1977, 636 (*synth*)
Stöckigt, J., *Phytochemistry*, 1979, **18**, 965 (*biosynth*)
Gutzwiller, J. *et al, Helv. Chim. Acta*, 1981, **64**, 1663 (*synth*)
Seguin, E. *et al, J. Nat. Prod.*, 1982, **45**, 738; 1984, **47**, 687 (*10,11-Dimethoxyajmalicine*)
Wenkert, E. *et al, Acta Chem. Scand., Ser. B*, 1982, **36**, 607 (*stereochem, configuration*)
Calverley, M.J., *J. Chem. Res. (S)*, 1983, **8**, 190 (*synth, akuammigine*)
Seguin, E. *et al, Helv. Chim. Acta*, 1983, **66**, 2059 (*cd*)
Lala, P.K., *J. Inst. Chem. (India)*, 1984, **56**, 42 (*ms*)
Massiot, G. *et al, J. Chem. Soc., Chem. Commun.*, 1984, 715 (*synth*)
Hatakeyama, S. *et al, Tetrahedron Lett.*, 1985, **26**, 865 (*synth*)
Naito, T. *et al, Heterocycles*, 1986, **24**, 2117 (*synth*)
Mekkawi, A.G. *et al, Anal. Profiles Drug Subst.*, 1987, **16**, 731 (*rev*)
Morales-Rios, M.S. *et al, Magn. Reson. Chem.*, 1987, **25**, 377 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6133.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9277.

Ajmaline, BAN **A-00088**

(17R,21α)-Ajmalan-17,21-diol, 9CI. Raugalline. Rauwolfine

[4360-12-7]



$C_{20}H_{26}N_2O_2$ M 326.438
Alkaloid from *Rauwolfia serpentina* and most *R.* spp., *Melodinus balansae* and *Tonduzia longifolia* (Apocynaceae). Antiarrhythmic drug which functions by inhibition of glucose uptake by heart tissue mitochondria. Mp 158-160° (MeOH solvate), Mp 205-207° (anhyd.). $[\alpha]_D^{20}$ +144° ($CHCl_3$).

▷AX8050000.

B,HCl: [4410-48-4]. Amber prisms + $2H_2O$. Mp 133-134°, Mp 253-255° (anhyd.). $[\alpha]_D^{40}$ +84.6° (H_2O).

▷AX8100000.

B,2HCl: Plates. Mp 305-306° dec.

O^{17}*-Ac:* [19918-92-4]. Rods (Et_2O), cryst. (EtOH). Mp 150° (rods), Mp 214-215° (cryst.).

O^{21}*-Ac:* Needles (EtOAc). Mp 190-192°.

Di-Ac: [19775-56-5]. Needles (metastable) or rods. Mp 132°, Mp 187-189° (double Mp).

Picrate: Plates (EtOH). Mp 126-127°, Mp 223° (anhyd.).

B,MeI: Mp 229° dec.

N-*Propyl, hydrogen tartrate:* [2589-47-1]. *Prajmalium bitartrate, BAN, INN. GT 1012. NPAB.*
$C_{27}H_{38}N_2O_8$ M 518.606
Cardiac antiarrythmic drug. Cryst. ($EtOH/Et_2O$). Mp 149-152°.

▷AX7750000.

O^{17}*-Chloroacetyl:* [47562-08-3]. ***Lorajmine, INN***. *Viaductor. Win 11831.*
$C_{22}H_{27}ClN_2O_3$ M 402.920
Cardiac depressant, antiarrhythmic. Cryst. Mp 232-235°. $[\alpha]_D$ +27.5° ($CHCl_3$).

O^{17}*-Chloroacetyl; B,HCl:* [40819-93-0]. *Lorajmine hydrochloride, USAN. Nevergor. Ritmos. Ritmosel. Viaductor. Win 11831.* Cryst. Mp 230-235°. $[\alpha]_D$ +40° ($CHCl_3$).

N-*De-Me:* [23944-24-3]. ***Norajmaline***.
$C_{19}H_{24}N_2O_2$ M 312.411
Alkaloid from *R. macrophylla, R. obscura* and *R. suaveolens* (Apocynaceae). Yellow-grey amorph. powder. $[\alpha]_D$ +36° (c, 0.67 in $CHCl_3$).

11-Hydroxy: [73012-74-5]. ***Ajmalinol***. *Ajmalan-11,17-21-triol, 9CI.*
$C_{20}H_{26}N_2O_3$ M 342.437
Alkaloid from *R. vomitoria* (Apocynaceae).

2-Epimer: [51019-46-6]. Noncryst. $[\alpha]_D$ +55° (c, 1 in $CHCl_3$).

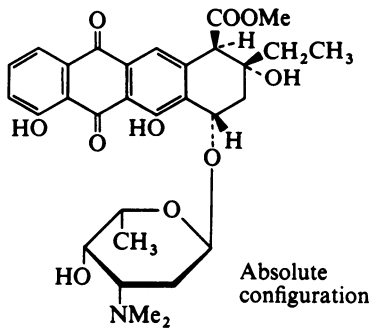
17-Epimer: [509-37-5]. ***Sandwicine***. *Epiajmaline.*
$C_{20}H_{26}N_2O_2$ M 326.438
Alkaloid from *R. sandwicensis, R. mauiensis* and *R. vomitoria* (Apocynaceae). Antiarrhythmic agent. Amorph. (MeOH aq. or Me_2CO/hexane). $[\alpha]_D^{20}$ +174° (c, 1 in MeOH).

17-Epimer; B,2HCl: Cryst. (Me_2CO). Mp 210-213°. $[\alpha]_D$ +129° (MeOH).

17-Epimer; B,2HI: Cryst. (Me_2CO). Mp 238-240°. $[\alpha]_D$ +84° ($CHCl_3$).
17-Epimer, O^{17}-Ac: Cryst. (MeOH). $[\alpha]_D^{20}$ +188.5° (c, 1 in $CHCl_3$).
17-Epimer, di-O-Ac: Cryst. (pet. ether). Mp 105-108°. $[\alpha]_D^{20}$ +104° (c, 1 in $CHCl_3$).
Anet, F.A.L. *et al, J. Chem. Soc.*, 1954, 1242 (*isol, uv, struct*)
Woodward, R.B., *Angew. Chem.*, 1956, **68**, 13 (*rev, struct*)
Gorman, M. *et al, Tetrahedron*, 1957, **1**, 328 (*Sandwicine*)
Bartlett, M.F. *et al, J. Am. Chem. Soc.*, 1962, **84**, 622 (*abs config*)
Bonati, A. *et al, Farmaco, Ed. Sci.*, 1963, **18**, 851 (*Prajmalium*)
Keck, J., *Z. Naturforsch., B*, 1963, **18**, 177 (*Prajmalium*)
Biemann, K. *et al, J. Am. Chem. Soc.*, 1964, **86**, 4624 (*ms*)
Masamune, S. *et al, J. Am. Chem. Soc.*, 1967, **89**, 2506 (*synth*)
Ronchetti, F. *et al, Phytochemistry*, 1971, **10**, 1385 (*Sandwicine*)
Ahmad, V. *et al, Pak. J. Sci. Ind. Res.*, 1972, **15**, 249 (*synth*)
Koch, M. *et al, Arzneim.-Forsch.*, 1972, **22**, 2079, 2085; 1973, **23**, 642 (*Prajmalium*)
Majumdar, S.P. *et al, Phytochemistry*, 1973, **12**, 1167 (*Norajmaline*)
Petter, A. *et al, Arzneim.-Forsch.*, 1974, **24**, 873, 874, 876 (*rev, pharmacol, props*)
Timmins, P. *et al, Phytochemistry*, 1974, **13**, 281 (*Norajmaline*)
Hubert-Brierre, Y. *et al, Tetrahedron*, 1975, **31**, 3049 (*synth, epimer*)
Kuhnert-Brandstaetter, M. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1976, **309**, 699 (*polymorphs*)
van Tamelen, E.E. *et al, Bioorg. Chem.*, 1976, **5**, 309 (*synth*)
Chatterjee, A. *et al, Tetrahedron Lett.*, 1978, 3879 (*cmr*)
Prewo, R. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 454 (*cryst struct*)
Siddiqui, S. *et al, J. Chem. Soc. Pak.*, 1979, **1**, 1; *CA*, **92**, 111204p (*Ajmalinol*)
Capra, C. *et al, Farmaco, Ed. Prat.*, 1980, **35**, 49 (*Lorajmine*)
Danieli, B. *et al, Tetrahedron*, 1984, **40**, 5255 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5833, 6564, 6995 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7777, 7778, 7787, 7790.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 151.

Aklavine **A-00089**

Aclacinomycin T. 1-Deoxypyrromycin. Doxypyrromycin. MA 144T$_1$. NSC 100290. Antibiotic MA 144T$_1$



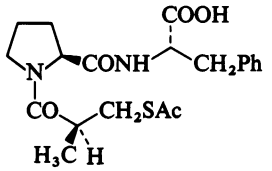
Absolute configuration

$C_{30}H_{35}NO_{10}$ M 569.607
Anthracycline antibiotic. Isol. from *Actinomyces* spp. Active against certain gram-positive bacteria. Antineoplastic.
B,HCl: Orange cryst. (EtOH aq.). Mp 197°.
Picrate: Cryst. (EtOH aq.). Mp 168°.
N-*De-Me:* [65222-75-5]. N-***Demethylaklavine***. N-*Demethyl-1-deoxypyrromycin.*
$C_{29}H_{33}NO_{10}$ M 555.580
Isol. from *Streptomyces galilaeus*. Active against gram-positive bacteria. Yellow.

Strelitz, F. *et al, J. Bacteriol.*, 1956, **72**, 90 (*isol*)
Gordon, J.J. *et al, Tetrahedron Lett.*, 1960, **8**, 28 (*struct, ir, uv, nmr, biosynth*)
Oki, T. *et al, J. Antibiot.*, 1977, **30**, 683; 1978, **31**, 92; 1979, **32**, 801 (*isol, uv, ir, deriv*)
Kumar, V. *et al, J. Antibiot.*, 1977, **30**, 881 (*struct, ir, uv, nmr*)
Doyle, T.W. *et al, J. Am. Chem. Soc.*, 1979, **101**, 7041 (*cmr*)
Pearlman, B.A. *et al, J. Am. Chem. Soc.*, 1981, **103**, 4248 (*synth*)
Soga, K. *et al, J. Antibiot.*, 1981, **34**, 770 (*deriv*)
McNamara, J.M. *et al, Diss. Abstr. Int. B*, 1983, **44**, 171 (*synth*)

Alacepril, INN **A-00090**

N-[*1-[3-(Acetylthio)-2-methyl-1-oxopropyl]prolyl]-phenylalanine*, 9CI. [*[3-Mercapto-2-methylpropionyl]-prolyl]-3-phenylalanine acetate. Cetapril. DU 1219*
[74258-86-9]

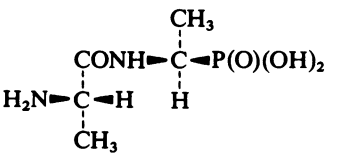


Absolute configuration

$C_{20}H_{26}N_2O_5S$ M 406.496
Antihypertensive agent (ACE inhibitor). Cryst. (EtOH/hexane). Mp 155-156°. $[\alpha]_D^{25}$ −81.3° (c, 1.02 in EtOH).
Eur. Pat., 7 477, (*1980*); *CA*, **93**, 72299x (*synth, pharmacol*)
Takeyama, K. *et al, Arzneim-Forsch.*, 1985, **35**, 1502, 1507 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18737.

Alafosfalin, BAN, INN **A-00091**

[*1-[(2-Amino-1-oxopropyl)amino]ethyl]phosphonic acid*, 9CI. N-*Alanyl-(2-aminoethyl)phosphonic acid.* [*2-(Alanylamino)ethyl]phosphonic acid. Alafosfin. Ro 03-7008*
[54788-43-1]



$(S)_c,(R)_p$-*form*

$C_5H_{13}N_2O_4P$ M 196.142
The names Alafosfalin and Alafosfin strictly refer only to the (*R,S*)-diastereoisomer.

(R)$_C$(S)$_P$-form [54772-83-7]
D,D-form
Mp 293-294°. $[\alpha]_D$ +46.5° (c, 1.0 in H_2O).
N-*Benzyloxycarbonyl:* [98820-76-9].
$C_{13}H_{19}N_2O_6P$ M 330.277
Mp 223-226° (as benzylamine salt). $[\alpha]_D^{20}$ +36.5° (c, 1.0 in AcOH) (benzylamine salt).

(R)$_C$(R)$_P$-form [98857-06-8]
D,L(P)-form
Mp 295-297°. $[\alpha]_D^{20}$ −81.1° (c, 1.0 in H_2O).
N-*Benzyloxycarbonyl:* [98820-75-8]. Mp 219-221° (as benzylamine salt). $[\alpha]_D^{20}$ −21.1° (c, 1.0 in AcOH) (benzylamine salt).

(S)$_C$(S)$_P$-form [66023-94-7]
L,D(P)-form
Cryst. (H_2O). Mp 296-298°. $[\alpha]_D^{20}$ +84.1° (c, 1.0 in H_2O).
N-*Benzyloxycarbonyl:* [60668-66-8]. Mp 221-223° (as benzylamine salt). $[\alpha]_D^{20}$ +21.0° (c, 1.0 in AcOH) (benzylamine salt).

(S)$_G$(R)$_P$-form [60668-24-8]
L,L(P)-form
Antibacterial phosphonodipeptide inhibiting growth of various pathogenic organisms: useful in chemotherapy of bacterial gastrointestinal infections. Cryst. (EtOH aq.). Mp 294-295°. $[\alpha]_D^{20}$ −45.6° (−49°) (c, 1.0 in H_2O).

N-Benzyloxycarbonyl: [60668-26-0]. Mp 229-231° (as benzylamine salt). $[\alpha]_D^{20}$ −34.2° (c, 1.0 in AcOH) (as benzylamine salt).

(S)$_G$(RS)$_P$-form
L,(±) (P)-form
Cryst. + 1H_2O (EtOH aq.). Mp 260-265° dec. $[\alpha]_D^{25}$ +15.0° (c, 0.5 in H_2O).

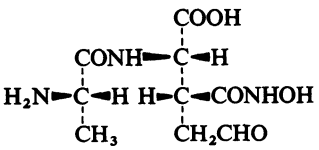
(R)$_G$(±)$_P$-form
D, (±)-(P)-form
Cryst. + 0.5H_2O (EtOH aq.). Mp 267-269° dec. $[\alpha]_D^{25}$ −17.5° (c, 1.0 in H_2O).

Allen, J.G. *et al*, *Nature (London)*, 1978, **272**, 56 (*props*)
Allen, J.G. *et al*, *Antimicrob. Agents Chemother.*, 1978, **15**, 684; 1979, **16**, 306 (*props, metab*)
Atherton, F.R. *et al*, *Antimicrob. Agents Chemother.*, 1978, **15**, 677, 696 (*props*)
Okada, Y. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 1320 (*synth, pmr, tlc*)
Hahn, F.E., *Naturwissenschaften*, 1981, **68**, 90 (*rev, bibl*)
Kametani, T. *et al*, *Heterocycles*, 1981, **16**, 1205 (*ester, synth, pmr*)
Kafarski, P. *et al*, *Can. J. Chem.*, 1982, **60**, 3081 (*synth*)
Lejczak, B. *et al*, *Synthesis*, 1982, 412 (*synth, ir, pmr*)
Atherton, F.R. *et al*, *J. Med. Chem.*, 1986, **29**, 29 (*synth, props, ir, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12334.

Alahopcin A-00092

N-*Alanyl-3-*[*(hydroxyamino)carbonyl*]*-5-oxonorvaline, 9CI. Nourseimycin. B 52653. Antibiotic B 52653. Pyrrolidinomycin. T 804*A

[82576-50-9]



$C_9H_{15}N_3O_6$ M 261.234

Dipeptide antibiotic. Exists as a mixt. of 2 cyclic hemiacetals. Open-chain form shown. Isol from *Streptomyces albulus* subsp. *ochragerus* and *S. noursei*. Active against gram-positive and -negative bacteria. Inhibits collagen prolylhydroxylase. Amorph. powder. Mp 250-255° dec. $[\alpha]_D^{23}$ +52.7° (c, 1 in H_2O).

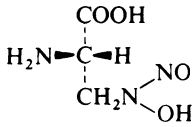
Dealanyl: [83903-63-3]. ***Dealanylalahopcin***. *BS 2653X. Antibiotic BS 2653X.*
$C_6H_{10}N_2O_5$ M 190.155
From *S. albulus* subsp. *ochragerus*. Shows weak antibacterial activity and weakly inhibits collagen prolylhydroxylase. Needles. Mp 160-170° dec. $[\alpha]_D^{25}$ +50.8° (c, 0.5 in H_2O).

Nishida, H. *et al*, *Agric. Biol. Chem*, 1983, **47**, 1599 (*isol, struct*)
Higashide, E. *et al*, *J. Antibiot.*, 1985, **38**, 285, 296, 302 (*isol, uv, ir, pmr, cmr, struct*)

Alanosine, INN A-00093

3-(Hydroxynitrosoamino)alanine, 9CI. 2-Amino-3-(N-hydroxy-N-nitrosoamino)propionic acid

[16931-22-9]



(S)-form
Absolute configuration

$C_3H_7N_3O_4$ M 149.106

Amino acid antibiotic.

(S)-form [5854-93-3]
L-form. DL 435. NSC 15353
Isol. from *Streptomyces alanosinicus*. Possesses antiviral and antitumour activity. Insect ecdysis inhibitor. Cryst. Mp 190°. $[\alpha]_D^{25}$ −37.8° (c, 0.5 in H_2O).

▷UE6490000.

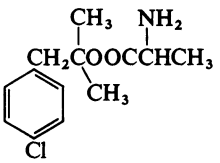
(±)-form [5854-95-5]
Possesses antitumour props. Cryst. (H_2O). Mp 190° dec.

Lancini, G.C. *et al*, *Tetrahedron Lett.*, 1966, 1769 (*synth, struct*)
Murthy, Y.K.S. *et al*, *Nature (London)*, 1966, **211**, 1198 (*isol*)
Isowa, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 1847 (*synth*)
Matsumoto, S. *et al*, *Agric. Biol. Chem.*, 1984, **48**, 827 (*props*)
Tyagi, A.K. *et al*, *Adv. Pharmacol. Chemother.*, 1984, **20**, 69 (*rev, pharmacol*)
Jalal, M.A.F. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 733 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12335.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 151.

Alaproclate, USAN, INN A-00094

[2-(4-Chlorophenyl)-1,1-dimethylethyl]alanine, 9CI. p-Chloro-α,α-dimethylphenethyl alaninate. GEA 654

[60719-82-6]



$C_{13}H_{18}ClNO_2$ M 255.744

(R)-form
D-form
3 times more potent than (*S*)-form as an antidepressant. $[\alpha]_D^{20}$ +2.52° (c, 1 in EtOH).

B,HCl: [66171-52-6]. Cryst. (Me_2CO). Mp 153-154°.

▷KK2413000.

Tartrate: [66171-74-2]. Mp 173.5-174.5°.

(±)-form
Antidepressant.

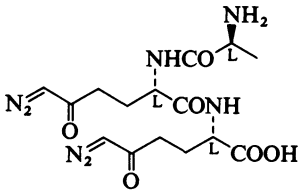
B,HCl: [66171-60-6]. Mp 123-125°.

Lindberg, U.H. *et al*, *J. Med. Chem.*, 1978, **21**, 448 (*synth, tox, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12336.

Alazopeptin, 9CI **A-00095**

Ambomycin. Arazopeptin. Diazamycin C. *Duazomycin* C. *BA 8509C. NSC 10270. Antibiotic BA 8509C*

[1397-84-8]



$C_{15}H_{21}N_7O_6$ M 395.374

Oligopeptide antibiotic. Tentative struct. shown. Isol. from *Streptomyces griseoplanus* and *S. candidus* var. *azaticus*. Active against *Corynebacterium* spp., *Salmonella* spp. and tumours. Cryst. + $1H_2O$ (Me_2CO aq.). $[\alpha]_D^{25}$ +9.5° (c, 4.7 in H_2O). Acid hydrol. affords Alanine and two mol of 6-Diazo-5-oxo-L-norleucine.

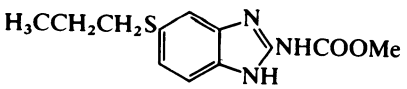
▷AY7937000.

de Voe, S.E. *et al, Antibiot. Annu.*, 1956-7, 730 (*isol, ir, uv*)
Patterson, E.L. *et al, Antimicrob. Agents Chemother.*, 1965, 115 (*struct*)
Lukenback, E.R. *et al, Diss. Abstr. Int. B*, 1972, **32**, 3693 (*synth, biosynth*)
Japan. Pat., 74 50 193, (*1974*); *CA*, **81**, 150308 (*isol*)

Albendazole, BAN, USAN, INN **A-00096**

Methyl [5-(propylthio)-1H-benzimidazol-2-yl]-carbamate, 9CI. *[5-(Propylthio)-1H-benzimidazol-2-yl]-carbamic acid methyl ester. Zental. Valbazen. Alben. Bermosol. SKF 62979*

[54965-21-8]



$C_{12}H_{15}N_3O_2S$ M 265.329

Anthelmintic agent approved in UK for vet. use only. Cryst. Mp 208-210°.

▷FD1100000.

S-*Oxide:* [54029-12-8]. ***Albendazole oxide,*** BAN, ***INN.*** *Methyl 5-(propylsulfinyl)benzimidazol-2-ylcarbamate. Albendazole sulfoxide.*
$C_{12}H_{15}N_3O_3S$ M 281.329
Veterinary anthelmintic. Cryst. (EtOH). Mp 215-216°.

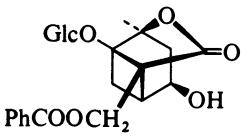
S-*Oxide; B,HCl:* [74759-06-1]. Mp 150° dec.

U.S.P., 3 915 986, (*1975*); *CA*, **84**, 31074r (*synth, pharmacol*)
Theodorides, V.J. *et al, Experientia*, 1976, **32**, 702 (*pharmacol*)
U.S.P., 4 002 640, (*1977*); *CA*, **86**, 171446 (*synth, oxide*)
Bogan, J.A., *Drugs of Today*, 1979, **15**, 87 (*rev*)
Bochis, R.J. *et al, J. Med. Chem.*, 1981, **24**, 1518 (*props*)
Gyurik, R.J. *et al, Drug Metab. Dispos.*, 1981, **9**, 503 (*metab*)
Firth, M. (*Ed.*), *Int. Congr. Symp. Ser.-R. Soc. Med.*, 1984, No. 61 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 752.

Albiflorin **A-00097**

9-[(Benzoyloxy)methyl-1-(β-D-glucopyranosyloxy)-4-hydroxy-6-methyl-7-oxatricyclo[4.3.0.0^{3,9}]nonan-8-one, 9CI

[39011-90-0]



Absolute configuration

$C_{23}H_{28}O_{11}$ M 480.468

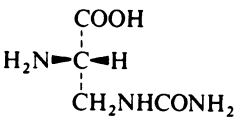
Constit. of the oriental drug Shaoyao from *Paeonia albiflora* root. Hygroscopic powder. $[\alpha]_D^{22}$ −19.9° (c, 0.95 in EtOH).

Kaneda, M. *et al, Tet*, 1972, **28**, 4309 (*struct, uv*)
Yamasaki, K. *et al, Tetrahedron Lett.*, 1976, 3965 (*cmr*)
Vollmer, K.O. *et al*, Z. Naturforsch., C, 1986, **41**, 115 (*hplc, metab*)

Albizziine **A-00098**

2-Amino-3-ureidopropanoic acid. 3-[(Aminocarbonyl)-amino]alanine

[585-23-9]



(*S*)-*form* Absolute configuration

$C_4H_9N_3O_3$ M 147.133

(***R*)-*form***

Cryst. (EtOH aq.). Mp 202-205°. $[\alpha]_D^{24}$ +65.5° (c, 1.7 in H_2O).

(***S*)-*form*** [1483-07-4]

L-*form*

Found in the Mimosaceae. Glutaminase inhibitor. Cryst. (EtOH aq.). Mp 218-220° (206-211°). $[\alpha]_D^{26}$ −66.2° (c, 2.6 in H_2O).

B,HBr: Cryst. (EtOH aq.). Mp 185-190°.

(±)-*form*

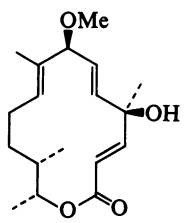
Mp 210-216° dec.

Rudinger, J. *et al, Collect. Czech. Chem. Commun.*, 1959, **24**, 3719.
Kjaer, A. *et al, Acta Chem. Scand.*, 1960, **14**, 961; 1964, **18**, 2412.
Inouye, S. *et al, Chem. Pharm. Bull.*, 1975, **23**, 2669 (*synth*)

Albocycline, 9CI **A-00099**

Ingramycin. TA 2407. Antibiotic TA 2407

[25129-91-3]



$C_{18}H_{28}O_4$ M 308.417

Macrolide-type antibiotic. From *Streptomyces* spp. Shows limited *in vitro* activity mainly against staphylococci. Plates. $[\alpha]_D^{23}$ −90° (c, 1 in MeOH). Indefinite Mp. Albocyclines M1 to M-8 were isol. as minor components.

▷AY8940000.

Ac: Mp 84°.

p-*Bromobenzoyl:* Cryst. Mp 90-92.5°.

De-O-*Me:* [11033-23-1]. ***Cineromycin* B.**
$C_{17}H_{26}O_4$ M 294.390

From *S. cinerochromogenes*. Weakly active against gram-positive bacteria. Plates (Me_2CO/C_6H_6). Mp 149-150°. $[\alpha]_D$ −110° (MeOH).

▷GD6252000.

8,9-Epoxide: [93752-55-7]. ***Albocycline M-1***.
$C_{18}H_{28}O_5$ M 324.416
Prod. by *S. bruneogriseus*, also synthetic. Weakly active against gram-positive bacteria. Oil. $[\alpha]_D^{23}$ −10.0° (c, 0.35 in MeOH). λ_{max} 220 nm (EtOH).

12-Hydroxy: [93752-56-8]. ***Albocycline M-2***.
$C_{18}H_{28}O_5$ M 324.416
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Oil. $[\alpha]_D^{23}$ −112.0° (c, 0.5 in MeOH).

11-Hydroxy: [93752-58-0]. ***Albocycline M-5***.
$C_{18}H_{28}O_5$ M 324.416
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Oil. $[\alpha]_D^{23}$ −90° (c, 0.2 in MeOH).

10-Hydroxy: ***Albocycline M-7***.
$C_{18}H_{28}O_5$ M 324.416
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Oil. $[\alpha]_D^{23}$ −13.5° (c, 0.1 in MeOH).

18-Hydroxy: [93752-57-9]. ***Albocycline M-4***.
$C_{18}H_{28}O_5$ M 324.416
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Oil. $[\alpha]_D^{23}$ −55.1° (c, 0.15 in MeOH).

11-Hydroxy, 2,3-dihydro: [93775-29-2]. ***Albocycline M-3***.
$C_{18}H_{30}O_5$ M 326.432
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Needles (C_6H_6/cyclohexane). Mp 123-124.5°. $[\alpha]_D^{23}$ −25.6° (c, 0.5 in MeOH).

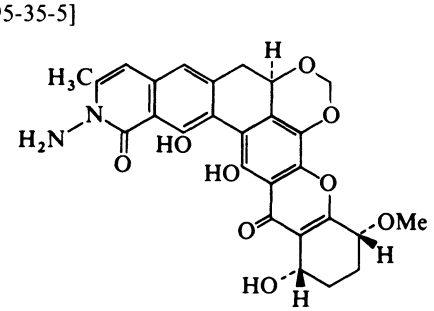
10-Hydroxy, 2,3-dihydro: [93752-59-1]. ***Albocycline M-6***.
$C_{18}H_{30}O_5$ M 326.432
Prod. by *S. bruneogriseus*. Weakly active against gram-positive bacteria. Needles + $\frac{1}{2}H_2O$ (diisopropyl ether/cyclohexane). Mp 86-87.5°. $[\alpha]_D^{23}$ +6.9° (c, 0.35 in MeOH).

Miyairi, N. *et al, J. Antibiot., Ser. A*, 1966, **19**, 56 (*deriv*)
Nagahama, M. *et al, Chem. Pharm. Bull.*, 1971, **19**, 649, 655, 660.
Suzuki, M., *CA*, 1972, **78**, 15094t (*ms*)
Thomas, R.C. *et al, J. Antibiot.*, 1982, **35**, 1658 (*cryst struct, bibl*)
Furusaki, A. *et al, Bull. Chem. Soc. Jpn.*, 1983, **56**, 3042 (*cryst struct*)
Harada, K. *et al, J. Antibiot.*, 1984, **37**, 1187 (*isol, synth, struct, nmr*)
Tanner, D. *et al, Tetrahedron*, 1987, **43**, 4395 (*synth, bibl*)

Albofungin A-00100

Kanchanomycin. BA 180265A. P 42-1. Antibiotic P 42-1

[37895-35-5]



$C_{27}H_{24}N_2O_9$ M 520.495

Metab. of *Actinomyces albus* var. *fungatus* and *A. tumemacerans*. Antifungal agent with antitumour props. Yellow cryst. ($MeNO_2$). Mp 304-307°. $[\alpha]_D^{20}$ −670° (DMF).

▷ZD5706000.

Penta-Ac: Mp 230-233°.

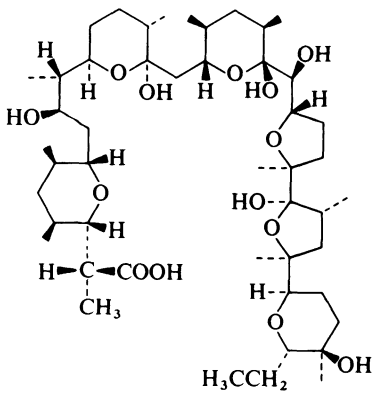
11-Chloro: [37891-66-0]. ***Chloroalbofungin***. *Albofungin B.*
$C_{27}H_{23}ClN_2O_9$ M 554.940
From *A. albus* var. *fungatus*. Possesses antifungal and antitumour activity. Cryst. ($MeNO_2$). Mp 327-330°. $[\alpha]_D^{20}$ −560° (DMF).

Fukushima, K. *et al, J. Antibiot.*, 1973, **26**, 65.
Gurevich, A.I. *et al, Tetrahedron Lett.*, 1972, 1751; 1974, 2801 (*uv, ir, pmr, stereochem*)
Onoprienko, V.V. *et al, Bioorg. Khim.*, 1978, **4**, 1418 (*struct*)

Alborixin, 9CI A-00101

S 14750A

[57760-36-8]



$C_{48}H_{84}O_{14}$ M 885.183

Polyether antibiotic. Isol. from *Streptomyces albus* and *S. hygroscopicus*. Exhibits ionophoric props, active against gram-positive and -negative bacteria and fungi. Possesses growth promoting props. Amorph. solid. Mp 100-115°. $[\alpha]_D^{20}$ −7° (c, 4 in Me_2CO). Similar to Antibiotic X 206.

K salt: Mp 209-210°.

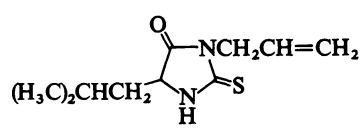
Me ester: Mp 67-68°.

Alleaume, M. *et al, J. Chem. Soc., Chem. Commun.*, 1975, 411 (*cryst struct*)
Farges, C. *et al, J. Antibiot.*, 1976, **29**, 603.
Gachon, P. *et al, J. Antibiot.*, 1976, **29**, 603 (*isol, struct, ir, ms, pmr, cmr*)
Delhomme, C. *et al, J. Antibiot.*, 1976, **29**, 692 (*struct*)
Rodios, N.A. *et al, Bull. Soc. Chim. Belg.*, 1979, **88**, 279 (*nmr*)
Seto, H. *et al, J. Antibiot.*, 1979, **32**, 970 (*cmr, struct*)

Albutoin, INN, USAN A-00102

5-(2-Methylpropyl)-3-(2-propenyl)-2-thioxo-4-imidazolidinone, 9CI. 3-Allyl-5-isobutyl-2-thiohydantoin, 8CI. Co-ord. Euprax. BAX 422Z

[830-89-7]



$C_{10}H_{16}N_2OS$ M 212.309

(±)-form

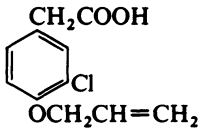
Anticonvulsant, fog inhibitor in photography. Cryst. Mp 210-211°.

Koseki, Y. *et al*, *J. Soc. Sci. Photogr. Jpn.*, 1951, **13**, 33 (*synth, use*)
Gesler, R.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1961, **3**, 107 (*pharmacol*)
Millichap, J.G., *Antiepileptic Drugs*, Raven Press, N.Y., 1972, 275 (*rev*)
Nowak, K., *Rocz. Chem.*, 1973, **47**, 2377 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6603.

Alclofenac, BAN, INN, JAN, USAN **A-00103**

3-Chloro-4-(2-propenyloxy)benzeneacetic acid, 9CI. [4-(Allyloxy)-3-chlorophenyl]acetic acid, 8CI. Allopydin. Argun. Epinal. Medifenac. Mervan. Neoston. Prinalgin. Reufenac. Vanadian. Zubirol. Zumaril. CP 1044 CG24. *My 101. W 7320*

[22131-79-9]



$C_{11}H_{11}ClO_3$ M 226.659

Analgesic, antipyretic, antiphlogistic. Prisms (cyclohexane). Mp 92-93°.

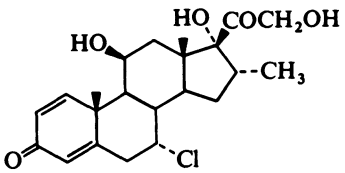
▷AF2100000.

Ger. Pat., 2 253 466, (*1974*); *CA*, **81**, 25481k (*synth*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*props, pharmacol*)
Brogden, R.N. *et al*, *Drugs*, 1977, **14**, 241 (*rev, pharmacol*)
Roncucci, R. *et al*, *Drugs Exp. Clin. Res.*, 1977, **2**, 9 (*rev, pharmacol*)
Tamura, Y. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 915 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2605.

Alclometasone, BAN, INN **A-00104**

7α-Chloro-11β,17α,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione, 9CI

[67452-97-5]



$C_{22}H_{29}ClO_5$ M 408.921

Topical corticosteroid. Cryst. (Me_2CO/hexane). Mp 176-179°. $[\alpha]_D^{26}$ +47.5° (c, 0.3 in DMF).

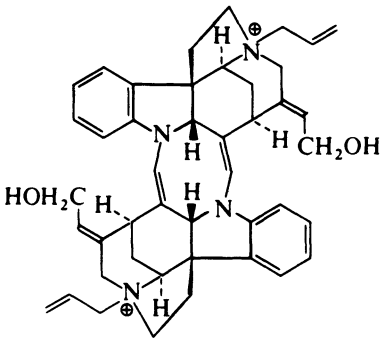
17,21-Dipropanoyl: [66734-13-2]. ***Alclometasone dipropionate, USAN.*** *Delonal. Vaderm. Sch 22219.*
$C_{28}H_{37}ClO_7$ M 521.049
Antiinflammatory and antiallergic glucocorticoid. Cryst. (Me_2CO/MeOH/isopropyl ether). Mp 212-216°. $[\alpha]_D^{26}$ +42.6° (c, 0.3 in DMF).

Green, M.J. *et al*, *J. Steroid Biochem.*, 1979, **11**, 61 (*synth, pharmacol*)
Lutsky, B.N. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 992 (*deriv*)
Green, M.J. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1618 (*synth, pharmacol*)
Shue, H.-J. *et al*, *J. Med. Chem.*, 1980, **23**, 430 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12338.

Alcuronium(2+) **A-00105**

Diallylnortoxiferine. Alnortoxiferine

[23214-96-2]



Absolute configuration

$C_{44}H_{50}N_4O_2^{\oplus\oplus}$ M 666.905 (ion)

Nondepolarising muscle relaxant, used in anaesthesia.

▷RC9865000.

Dichloride: [15180-03-7]. *Alcuronium chloride, BAN, USAN, INN, JAN. Alloferin. Aloferin. Dialferin. Diallo-ferin. Ro 4-3816.*
$C_{44}H_{50}Cl_2N_4O_2$ M 737.811
$[\alpha]_D^{22}$ −348° (c, 1 in MeOH).

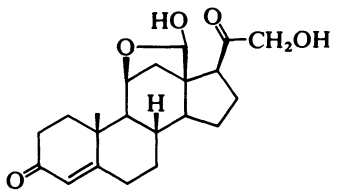
▷RC9868000.

U.S.P., 3 080 373, (*1963*); *CA*, **59**, 2888 (*synth, pharmacol*)
Leuthi, U. *et al*, *Bull. Schweiz. Akad. Med. Wiss.*, 1967, **22**, 501, 511 (*revs*)
Raaflaub, J. *et al*, *Arzneim.-Forsch.*, 1977, **22**, 73 (*props*)
Verpoorte, R. *et al*, *Org. Magn. Reson.*, 1977, **9**, 567 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5701.

Aldosterone, BAN, INN **A-00106**

11β,21-Dihydroxy-3,20-dioxo-4-pregnen-18-al. Aldocorten. Electrocortin. Oxocorticosterone. Reichstein's substance X

[52-39-1]



$C_{21}H_{28}O_5$ M 360.449

Occurs in soln. as equilibrium mixture of aldehyde and hemiacetal. Adrenal hormone highly active in control of mineral metabolism. Cryst. (AcOH). Mp 164-169°. $[\alpha]_D^{25}$ +161° ($CHCl_3$).

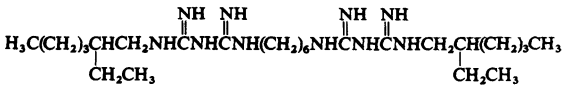
▷TU4523000.

Duax, W.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 5467 (*cryst struct*)
Barton, D.H.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 2243 (*synth*)
Ross, E.J., *Aldosterone and Aldosteronism*, Lloyd-Luke, London, 1975 (*book*)
Gerard, P., *Org. Magn. Reson.*, 1978, **11**, 478 (*cmr*)
Miyano, M. *et al*, *J. Org. Chem.*, 1981, **46**, 1846 (*synth*)
Morris, D.J. *et al*, *Adv. Chromatogr.* (*N.Y.*), 1981, **19**, 26 (*chromatog, rev*)
Coghlan, J.P. *et al*, *Horm. Blood* (*3rd Ed.*), 1983, **4**, 405 (*rev*)
Morris, D.J. *et al*, *Am. J. Physiol.*, 1987, **252**, F365 (*metab, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1061.

Alexidine, USAN, INN **A-00107**

N,N′-*Bis*(*2-ethylhexyl*)-*3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide*, *9CI*. *1,1′-Hexamethylene-bis*[*5-*(*2-ethylhexyl*)*biguanide*, *8CI*. *Bisguadine*. *Win 21904*

[22573-93-9]



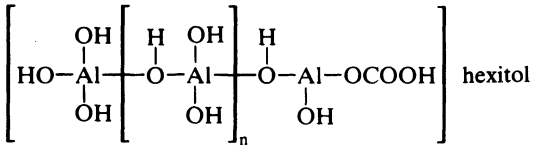
$C_{26}H_{56}N_{10}$ M 508.795

Antibacterial agent, esp. in dental preps.

B,2HCl: [1715-30-6]. Mp 220.6-223.4°.

Fr. Pat., 1 463 818, (*1966*); *CA*, **68**, 39147g (*synth, pharmacol*)
Tanzer, J.M. *et al*, *Antimicrob. Agents Chemother.*, 1977, **12**, 721 (*pharmacol*)
Coburn, R.A. *et al*, *J. Med. Chem.*, 1978, **21**, 828 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3021.

Alexitol **A-00108**



Polyhydroxyaluminum monocarbonate hexitol complex where n depends on reaction conditions.

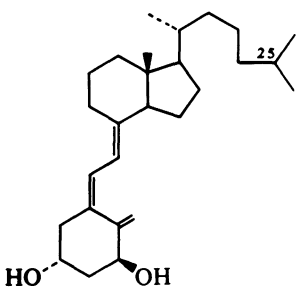
Na salt: [66813-51-2]. *Alexitol sodium*, *BAN, INN*. *Actal*, *9CI*. *Actonalt*. *Alucalm*. *Talakt*. Antacid.

Barry, R.E. *et al*, *Br. Med. J.*, 1978, **1**, 413 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 712.

Alfacalcidol, BAN, INN, JAN **A-00109**

(*5Z,7E*)-*9,10-Secocholesta-5,7,10*(*19*)-*triene-1α,3β-diol*, *9CI*. *1α-Hydroxycholecalciferol*. *1α-Hydroxyvitamin* D_3. *Alfarol*. *Alpha* D_3. *α-Calcidiol*. *Dediol*. *Diseon*. *Sinovul*. *EB 644*

[41294-56-8]



$C_{27}H_{44}O_2$ M 400.643

Used for treatment for vitamin *D* deficiency. Calcium regulator. Mp 134-136°. $[\alpha]_D^{25}$ +28° (Et_2O).

25-Hydroxy: [32222-06-3]. ***Calcitriol,*** *BAN, INN, USAN*. *1α,25-Dihydroxycholecalciferol*. *Rocaltrol*. *Ro 21-5535*. *U 49562*.

$C_{27}H_{44}O_3$ M 416.643

Drug used for vitamin *D* deficiency. Calcium regulator. Mp 111-115°. $[\alpha]_D^{25}$ +48° (MeOH).

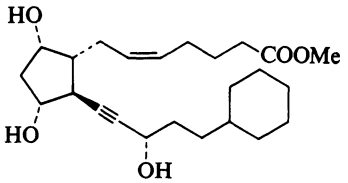
▷FZ4645000.

Semmler, E.J. *et al*, *Tetrahedron Lett.*, 1972, 4142 (*deriv*)
Haussler, M.R. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1973, **70**, 2248 (*pharmacol*)
Harrison, R.G. *et al*, *Tetrahedron Lett.*, 1973, 3649 (*synth*)
Wing, R.M. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4980 (*pmr*)
Debesis, E., *Anal. Profiles Drug Subst.*, 1979, **8**, 83 (*Calcitriol*)
Baggiolini, E.G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 2945 (*synth*)
Vammaele, L.J. *et al*, *Tetrahedron Lett.*, 1982, **23**, 995 (*synth*)
Synform, 1985, **3**, 77, 86 (*synth, revs*)
Kumar, R., *Kidney Int.*, 1986, **30**, 793 (*rev*)
Nemoto, H. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 1777 (*synth*)
Simpson, R.U., *BioEssays*, 1986, **4**, 65 (*uses, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1659, 1660.

Alfaprostol, USAN, BAN, INN **A-00110**

Methyl 7-[*2-*(*5-cyclohexyl-3-hydroxy-1-pentynyl*)*-3,5-dihydroxycyclopentyl*]*-5-heptenoic acid*, *9CI*. *Alfavet*. *Gabbrostim*. *Ro 22-9000*

[74176-31-1]



$C_{24}H_{38}O_5$ M 406.561

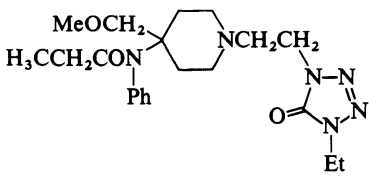
Veterinary prostaglandin, abortifacient.

Malfeo, G. *et al*, *Prostaglandins*, 1983, **25**, 541 (*pharmacol*)
Kaykaty, M. *et al*, *J. Agric. Food Chem.*, 1986, **34**, 688 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18611.

Alfentanil, BAN **A-00111**

N-[*1-*[*2-*(*4-Ethyl-5-oxo-2-tetrazolin-1-yl*)*ethyl*]*-4-*(*methoxymethyl*)*-4-piperidyl*]*propionanilide*. N-[*1-*[*2-*(*4-Ethyl-4,5-dihydro-5-oxo-1H-tetrazol-1-yl*)*ethyl*]*-4-*(*methoxymethyl*)*-4-piperidinyl*]-N-*phenylpropanamide*, *9CI*

[71195-58-9]



$C_{21}H_{32}N_6O_3$ M 416.522

Narcotic analgesic.

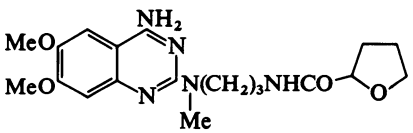
B,HCl: [70879-28-6]. *Alfentanil hydrochloride*, *USAN*. *Rapifen*. *R 39209*. Cryst. + $1H_2O$ (Me_2CO). Mp 140.8°.

Ger. Pat., 2 819 873, (*1978*); *CA*, **90**, 87468p (*synth, pharmacol*)
Cookson, R.F. *et al*, *Br. J. Anaesth.*, 1983, **55** (*Suppl. 2*), 147, 157 (*revs*)
Kay, B., *Clin. Anaesthesiol.*, 1983, **1**, 143 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12339.

Alfuzosin, BAN, INN **A-00112**

N-[3-[(4-Amino-6,7-dimethoxy-2-quinazolinyl)-methylamino]propyl]tetrahydro-2-furancarboxamide, 9CI. *SL 77499*

[81403-80-7]



$C_{19}H_{27}N_5O_4$ M 389.453

(±)-*form*

Antihypertensive agent (α-blocker).

B,HCl: [81403-68-1]. *Alfuzosin hydrochloride, USAN. SL77449-10.* Cryst. (EtOH/Et_2O). Mp 235° dec.

U.S.P., 4 315 007, (*1982*); *CA*, **96**, 162737e (*synth*)
Allen, J., *J. Labelled Compd. Radiopharm.*, 1983, **20**, 1283 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18612.

Algeldrate, USAN, INN **A-00113**

Aluminum hydroxide hydrate. W 4600

[1330-44-5]

$Al(OH)_3 \cdot xH_2O$

AlH_3O_3 M 78.003

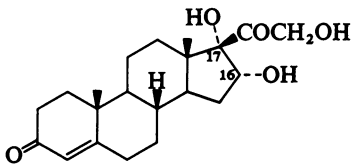
Antacid.

U.S.P., 3 798 177, (*1974*); *CA*, **81**, 30226t
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12340.

Algestone **A-00114**

16α,17α-Dihydroxy-4-pregnen-3,20-dione. Alphasone. Alfasone

[595-77-7]



$C_{21}H_{30}O_4$ M 346.466

Progestational steroid. Cryst. (EtOH/CH_2Cl_2). Mp 225°. $[\alpha]_D^{22}$ +95° (c, 0.81 in $CHCl_3$).

16,17-Acetonide: [4968-09-6]. *Algestone acetonide, BAN, USAN. Alfasone acetonide. Alphasone acetonide. W 3395.*

$C_{24}H_{34}O_4$ M 386.530

Antiinflammatory drug. Cryst. (EtOH). Mp 210°. $[\alpha]_D^{20}$ +137° (c, 0.7 in $CHCl_3$).

▷TU5011600.

16,17-Acetophenone cyclic ketal: [24356-94-3]. *Algestone acetophenide, USAN. Droxone. Deladroxone. Alphasone acetophenide. Bovitrol. SQ 15101.*

$C_{29}H_{36}O_4$ M 448.601

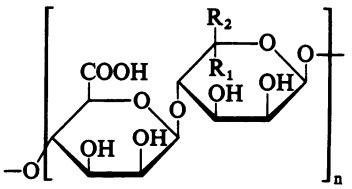
Contraceptive, progestin. Cryst. (EtOH). Mp 150-151°. $[\alpha]_D^{23}$ +51° ($CHCl_3$).

▷TU5011700.

Allen, W.S. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1909 (*synth*)
Fried, J. *et al*, *Chem. Ind.* (*London*), 1961, 465 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9022.

Alginic acid, BAN **A-00115**

[9005-32-7]



R_1 = H, R_2 = COOH
or R_1 = COOH, R_2 = H

$(C_6H_8O_6)_n$

A polymer consisting of various proportions of β-D-Mannuronic acid and α-L-Guluronic acid linked 1→4 and arranged in a block fashion. Occurs as the major matrix polysaccharide in brown seaweed (*Phaeophyceae*) as an insol. complex of K, Na, Ca and Mg alginates. Alginates are used to improve food texture, e.g. ice cream, pie fillings etc., as a tablet disintegrant and as paper coatings. Pharmaceutical aid. $[\alpha]_D$ −120° to −150° (as Na salt in H_2O).

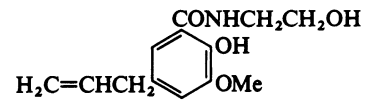
▷AZ5775000.

Hirst, E. *et al*, *Chem. Ind.* (*London*), 1963, 257
Haug, A., *Methods Carbohydr. Chem.*, 1965, **5**, 69 (*synth*)
Percival, E., *The Carbohydrates, Chemistry and Biochemistry*, (*Pigman, W., Ed.*), Academic Press, 1970, **2B**, 545
Grasdalen, H. *et al*, *Carbohydr. Res.*, 1977, **56**, C11 (*nmr*)
Rees, D.A. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1977, **16**, 214 (*struct, rev*)
Cottrell, I.W. *et al*, *Hanb. Water-Soluble Gums Resins*, McGraw-Hill, N.Y., 1980, 2/1-2/43 (*rev*)
Cottrell, I.W. *et al*, *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1980, **12**, 45 (*use*)
Grasdalen, H. *et al*, *Carbohydr. Res.*, 1981, **89**, 179 (*cmr*)
Martin, G. *et al*, *Sci. Aliments*, 1986, **6**, 473 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12341.

Alibendol, INN **A-00116**

2-Hydroxy-N-(2-hydroxyethyl)-3-methoxy-5-(2-propenyl)benzamide, 9CI. 5-Allyl-2-hydroxy-N-(2-hydroxyethyl)-m-anisamide, 8CI. 5-Allyl-N-(2-hydroxyethyl)-3-methoxysalicylamide. H 3774

[26750-81-2]



$C_{13}H_{17}NO_4$ M 251.282

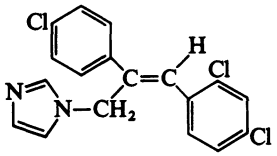
Choleretic, antidyspeptic agent. Mp 95°.

▷CU8730000.

Fr. Pat., 6 824, (*1969*); *CA*, **74**, 130375q (*synth, pharmacol*)
Clemence, F. *et al*, *Chim. Ther.*, 1970, **5**, 188 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18738.

Aliconazole, INN **A-00117**

1-[2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)-2-propenyl]-1H-imidazole, 9CI. *1-[2,4-Dichloro-β-(p-chlorophenyl)cinnamyl]imidazole*



$C_{18}H_{13}Cl_3N_2$ M 363.673

(Z)-form [63824-12-4]

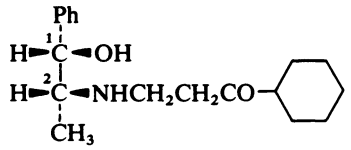
Antibacterial and antifungal agent.

B,HNO₃: Mp 160°.

Ger. Pat., 2 549 798, (*1977*); *CA*, **87**, 102327a (*synth*)

Alifedrine, INN **A-00118**

1-Cyclohexyl-3-[(2-hydroxy-1-methyl-2-phenylethyl)-amino]-1-propanone, 9CI



(1*S*,2*R*)-*form*

$C_{18}H_{27}NO_2$ M 289.417

Deriv. of 2-Amino-1-phenyl-1-propanol, A-00308 .

(1S,2R)-form [78756-61-3]

CNS stimulant, cardiotonic, sympathomimetic agent.

B,HCl: [72913-80-5]. *D 13625.* Cryst. (EtOH). Mp 219-220°.

Ger. Pat., 2 919, 495, (*1979*); *CA*, **92**, 110682 (*synth*)

Bickel, E. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1213 (*synth*)

Baehre, M. *et al*, *New Cardiovasc. Drugs*, 1986, 41 (*rev, pharmacol*)

Wainwright, C.L. *et al*, *Eur. J. Pharmacol.*, 1988, **147**, 373 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18809.

Alimadol, INN **A-00119**

*γ-Methoxy-γ-phenyl-*N*-2-propenylbenzenepropanamine,* 9CI. N-*(3-Methoxy-3,3-diphenylpropyl)-allylamine*

[52742-40-2]

$Ph_2C(OMe)CH_2CH_2NHCH_2CH{=}CH_2$

$C_{19}H_{23}NO$ M 281.397

Analgesic. Mp 40-50°.

B,HCl: [52742-41-3]. N-*Allyl*-N-*(3-methoxy-3,3-diphenylpropyl)ammonium chloride.* Mp 136-137°.

Ger. Pat., 2 339 528, (*1974*); *CA*, **81**, 13254h (*synth, pharmacol*)

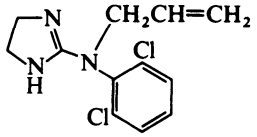
Can. Pat., 986 539, (*1976*); *CA*, **85**, 159639s (*synth*)

Kropp, C. *et al*, *Sci. Pharm.*, 1984, **52**, 240 (*props*)

Alinidine, BAN, INN **A-00120**

*2-(*N*-Allyl-2,6-dichloroanilino)-2-imidazoline,* 8CI. *St 567*

[33178-86-8]



$C_{12}H_{13}Cl_2N_3$ M 270.161

Antiarrhythmic drug. Mp 127-129°.

B,HBr: [71306-36-0]. Cryst. (MeOH aq.). Mp 193-194°.

Staehle, H. *et al*, *J. Med. Chem.*, 1980, **23**, 1217 (*synth, pharmacol*)

Kobinger, W. *et al*, *New Drugs Annu, Cardiovasc. Drugs*, 1984, **2**, 193 (*rev*)

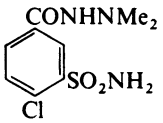
Harron, D.W.G. *et al*, *Eur. Heart J.*, 1985, **6**, 722 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7779.

Alipamide, BAN, INN, USAN **A-00121**

3-(Aminosulfonyl)-4-chlorobenzoic acid 2,2-dimethylhydrazide, 9CI. *4-Chloro-3-sulfamoylbenzoic acid 2,2-dimethylhydrazide,* 8CI. *CI 546. CN 38474. D 1721*

[3184-59-6]



$C_9H_{12}ClN_3O_3S$ M 277.725

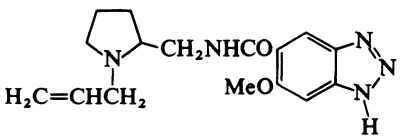
Diuretic, antihypertensive agent. Mp 190-191°.

Hoefle, M.L. *et al*, *J. Med. Chem.*, 1968, **11**, 970 (*synth, pharmacol*)

Alizapride, INN **A-00122**

*6-Methoxy-*N*-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]-1H-benzotriazole-5-carboxamide,* 9CI. N-*[(1-Allyl-2-pyrrolidinyl)methyl]-6-methoxy-1*H*-benzotriazole-5-carboxamide. Litican. Lyostene. Nagir. Plitican. Vergentan*

[59338-93-1]



$C_{16}H_{21}N_5O_2$ M 315.374

Antiemetic. Cryst. (Me_2CO). Mp 139°.

B,HCl: [59338-87-3]. Cryst. (butanone). Mp 206-208°.

Ger. Pat., 2 500 919, (*1976*); *CA*, **85**, 21382w (*synth, pharmacol*)

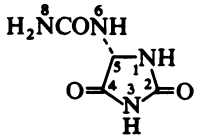
Houin, G. *et al*, *J. Pharm. Sci.*, 1983, **72**, 71 (*hplc*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16020, 18803.

Allantoin, BAN, USAN **A-00123**

(2,5-Dioxo-4-imidazolidinyl)urea, 9CI. Glyoxylic diureide. Actinac. Alphosyl. Dermalex

[97-59-6]



(R)-form Absolute configuration

$C_4H_6N_4O_3$ M 158.116

Promotes wound healing. Topical vulnerary, antipsoriatic.

(R)-form [7303-80-2]

Mod. sol. H_2O, more sol. org. solvs than (±)-form. Mp 226-229° dec. $[\alpha]_D^{30}$ −92° (c, 0.0075 in H_2O). pK_a 8.5 (25°).

(±)-form [5377-33-3]

Occurs in allantoic fluid. A product of purine metabolism. Monoclinic prisms (H_2O). V. spar. sol. H_2O, spar. sol. org. solvs. Mp 238-240° dec.

1-Me: [22494-76-4]. *α-Methylallantoin.*
$C_5H_8N_4O_3$ M 172.143
Cryst. Spar. sol. hot H_2O. Mp 255-259° dec.

3-Me: [22494-77-5]. *β-Methylallantoin.*
$C_5H_8N_4O_3$ M 172.143
Prisms + H_2O (H_2O). Mp 226-227°.

1,3-Di-Me: [32282-45-4].
$C_6H_{10}N_4O_3$ M 186.170
Prisms (EtOH). Mp 214°.

1,6-Di-Me:
$C_6H_{10}N_4O_3$ M 186.170
Needles (AcOH). Mp 226-227° dec.

1,8-Di-Me:
$C_6H_{10}N_4O_3$ M 186.170
Prisms (H_2O). Mp 220-223°.

3,8-Di-Me:
$C_6H_{10}N_4O_3$ M 186.170
Prisms (H_2O). Mp 222-223°.

1,3,6-Tri-Me: Caffoline.
$C_7H_{12}N_4O_3$ M 200.197
Fine needles. Sol. H_2O. Mp 197°.

1,3,8-Tri-Me:
$C_7H_{12}N_4O_3$ M 200.197
Prisms (EtOAc). Mp 152°.

1-Ac:
$C_6H_8N_4O_4$ M 200.154
Leaflets (AcOH). Mp 236° dec.

1,3-Di-Ac:
$C_8H_{10}N_4O_5$ M 242.191
Prisms (AcOH). Mp 247° dec.

Dihydroxyaluminum compd.: [5579-81-7]. ***Aldioxa,*** *USAN, INN. Alanta-SF. Alarant. ALDA. Alkixa. Arlanto. Ascomp. Peptilate. RC-172. Other synonyms.*
$C_4H_7AlN_4O_5$ M 218.105
Astringent, keratolytic agent. Greyish powder.

Chlorotetrahydroxydialuminum compd.: [1317-25-5]. ***Alcloxa,*** *INN, USAN. Aluminum chlorhydroxy allantoinate. Isaropan. Ulfon. ALCA. RC-173.* Astringent, keratolytic. Mp 240° dec.

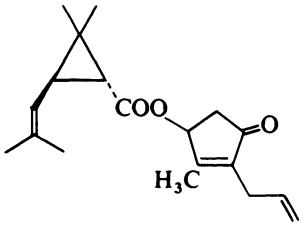
▷BD0580000.

Biltz, H., *Ber.*, 1911, **44**, 282 (*derivs*)
Org. Synth., 1933, **13**, 1 (*synth, bibl*)
Greenbaum, F.R., *Am. J. Pharm.*, 1940, **112**, 205 (*rev*)
U.S.P., 2 761 867, (*1956*); *CA*, **51**, 3668i (*synth, Al compds*)
U.S.P., 3 305 557, (*1967*); *CA*, **66**, 85787x (*synth*)
Gravenmade, E.J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1969, **88**, 929 (*resoln*)
Abblard, J. *et al*, *Bull. Soc. Chim. Fr.*, 1971, 942 (*struct*)
Mecca, S.B., *Soap, Perfum. Cosmet.*, 1976, **49**, 434 (*rev*)
Coxon, B. *et al*, *J. Org. Chem.*, 1977, **42**, 3132 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1592, 1593.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 184.

Allethrin **A-00124**

2,2-Dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylic acid 2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester, 9CI. Chrysanthemummonocarboxylic acid allethrolone ester. Pynamin

[584-79-2]



$C_{19}H_{26}O_3$ M 302.413

Synthetic pyrethroid insecticide.

▷Mod. toxic, irritant. GZ1950000.

(+)-trans-form [28434-00-6]

Bioallethrin, BAN

Pyrethroid insecticide. Most active form of Allethrin.

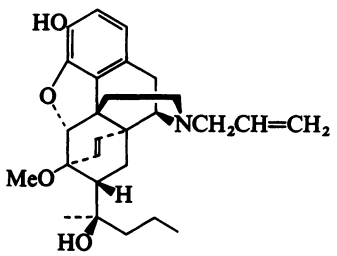
▷GZ1472000.

Chen, Y.-L. *et al*, *J. Agric. Food Chem.*, 1969, **17**, 208.
Gore, R.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 10400; *CA*, **75**, 117202g (*ir, uv*)
Pattenden, G. *et al*, *Org. Mass Spectrom.*, 1973, **7**, 719.
Nakazawa, H. *et al*, *Agric. Biol. Chem.*, 1980, **44**, 1173 (*cmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 348.

Alletorphine, BAN, INN **A-00125**

*4,5-Epoxy-3-hydroxy-6-methoxy-α-methyl-17-(2-propenyl)-α-propyl-6,14-ethenomorphinan-7-methanol, 9CI. 17-Allyl-17-demethyl-7α-(1-hydroxy-1-methylbutyl)-6,14-*endo*-ethenotetrahydrooripavine, 8CI. M 218. R + S 218*M

[23758-80-7]



$C_{27}H_{35}NO_4$ M 437.578

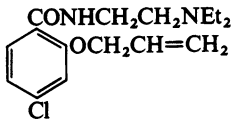
Narcotic analgesic.

Bousfield, J.D. *et al*, *J. Pharm. Pharmacol.*, 1969, **21**, 630 (*pharmacol*)
Lewis, J.W. *et al*, *J. Med. Chem.*, 1970, **13**, 525 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6202.

Alloclamide, INN **A-00126**

4-Chloro-N-[2-(diethylamino)ethyl]-2-(propenyloxy)-benzamide, 9CI. *2-(Allyloxy)-4-chloro-N-[2-(diethylamino)ethyl]benzamide,* 8CI

[5486-77-1]



$C_{16}H_{23}ClN_2O_2$ M 310.823

Antitussive, antihistamine. Mp 125-127°.

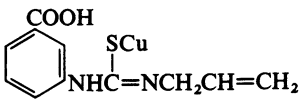
▷CU8800000.

B,HCl: [5107-01-7]. *Alloclamide hydrochloride,* JAN. *Depryn. Hexacol. Matosil. Pectex. Tosfinar. Tuselin.* Cryst. (EtOH/Et_2O). Mp 125-127°.

Masahiro, H. *et al, Yakugaku Kenkyu,* 1965, **36**, 81 (*tox*)
B.P., 1 019 777, (*1966*); *CA,* **64**, 14137b (*synth, pharmacol*)
Kase, Y. *et al, Japan. J. Pharmacol.,* 1966, **16**, 342 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5603.

Allocupreide **A-00127**

3-[[(2-Propenylamino)thioxomethyl]amino]benzoic acid monocopper(1+), 9CI. m-[(N-*Allyl-1-mercaptoformididoyl)amino]benzoic acid monocopper(1+),* 8CI



$C_{11}H_{11}CuN_2O_2S$ M 298.826

Antiarthritic agent; used for treatment of Cu deficiency in animals.

Na salt: [5965-40-2]. *Allocupreide sodium,* INN. *Cupvalene. Cuprion. Ebesal. Cuprelon.* Dark brown powder. Insol. EtOH, Et_2O.

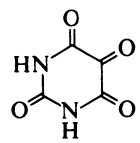
▷DG0970000.

Ger. Pat., 551 421, (*1932*); *CA,* **26**, 4915 (*synth, pharmacol*)

Alloxan **A-00128**

2,4,5,6(1H,3H)-Pyrimidinetetrone, 9CI. *Mesoxalylurea*

[50-71-5]



$C_4H_2N_2O_4$ M 142.071

Has antineoplastic props. Orthorhombic cryst. (AcOH or by subl.), rhombic prisms + $3H_2O$ (H_2O). Sol. H_2O, EtOH, Me_2CO, insol. Et_2O. Mp 256° dec. pK_a 6.63 (25°). Hydrate loses H_2O at 150°. Also forms mono- and tetrahydrates. Turns pink at 230°.

▷BA4200000.

5,6-Dioxime:
$C_4H_4N_4O_4$ M 172.100
Yellow cryst. (EtOH). Mp 242° dec.

6-Phenylhydrazone: Cryst. (EtOH). Mp 260°.

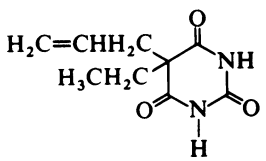
1,3-N-Di-Me: [2757-85-9].
$C_6H_6N_2O_4$ M 170.124
Yellow prisms. Mp 270-272°.

Biltz, H. *et al, Justus Liebigs Ann. Chem.,* 1914, **404**, 134, 165 (*deriv*)
Org. Synth., Coll. Vol., **3**, 39 (*synth*)
Org. Synth., Coll. Vol., **4**, 23, 25 (*synth*)
Coxon, B. *et al, J. Org. Chem.,* 1977, **42**, 3132 (*cmr*)
Swaminathan, S. *et al, Acta Crystallogr., Sect. B,* 1985, **41**, 113 (*cryst struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials,* 6th Ed., Van Nostrand-Reinhold, 1984, 158.

5-Allyl-5-ethylbarbituric acid, 8CI **A-00129**

5-Ethyl-5-(2-propenyl)-2,4,6-pyrimidinetrione, 9CI. *Dorval. Ethallobarbital. Ethallymal. Gö 1067*

[2373-84-4]



$C_9H_{12}N_2O_3$ M 196.205

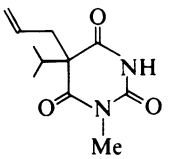
Hypnotic. Cryst. Mp 158°.

Ostling, G.J., *CA,* 1927, **21**, 777 (*synth*)
Okada, J. *et al, Chem. Pharm. Bull.,* 1974, **22**, 1580 (*cmr, synth*)
Asado, S. *et al, Bull. Chem. Soc. Jpn.,* 1978, **51**, 3379 (*cmr, synth*)

5-Allyl-5-isopropyl-1-methylbarbituric acid **A-00130**

1-Methyl-5-(1-methylethyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. *Enallylpropymal. Narconumal*

[1861-21-8]



$C_{11}H_{16}N_2O_3$ M 224.259

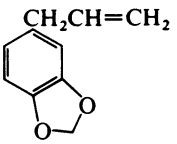
Hypnotic. Mp 56-57°. Bp_{12} 176-178°.

B.P., 454 779, (*1937*); *CA,* **31**, 1555 (*synth*)

4-Allyl-1,2-(methylenedioxy)benzene, 8CI **A-00131**

5-(2-Propenyl)-1,3-benzodioxole, 9CI. *3,4-Methylenedioxyallylbenzene. Safrole. Allylcatechol methylene ether*

[94-59-7]



$C_{10}H_{10}O_2$ M 162.188

Constit. of several essential oils especially *Sassafras officinalis.* Topical antiseptic, pediculicide, carminative. Intermed. in manuf. of perfumery ingredients. Prisms. Fp 11.2°. Bp 231.5-232°, Bp_6 104-105°. n_D^{20} 1.5383.

▷Irritant, exp. carcinogen. CY2800000.

Picrate: Red cryst. (EtOH). Mp 75°.

Maleic anhydride adduct:
$C_{14}H_{12}O_5$ M 260.246

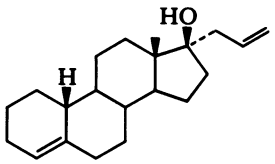
Yellow cryst. (toluene). Mp 257°.

Perkin, W.J. *et al, J. Chem. Soc.*, 1927, 1663 (*synth*)
Bert, L, *C. R. Hebd. Seances Acad. Sci.*, 1941, **213**, 873 (*synth*)
Fiedler, H.P., *Drugs Made Ger.*, 1981, **24**, 163 (*rev*)
Ioannides, C. *et al, Food Cosmet. Toxicol.*, 1981, **19**, 657 (*rev*)
Wilson, S.R. *et al, J. Org. Chem.*, 1982, **47**, 1983 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4703.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 962.

Allyloestrenol, BAN A-00132

17-(2-Propenyl)estr-4-en-17-ol, 9CI. 17-Allylestr-4-en-17β-ol. ***Allylestrenol, INN.*** *Gestanin. Gestanol. Gestanon. Gestanyn. Gestormone. Orageston. Turinal. SC 6393*

[432-60-0]



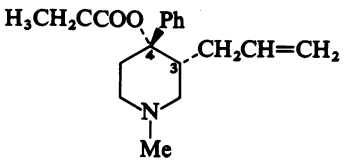
$C_{21}H_{32}O$ M 300.483
Progestin. Cryst. Mp 79.5-80°.
▷KG7960000.

de Winster, M.S. *et al, Chem. Ind. (London)*, 1959, 905 (*synth, props*)
B.P., 841 411, (*1960*); *CA*, **55**, 9475 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9023.

Allylprodine, BAN, INN A-00133

1-Methyl-4-phenyl-3-(2-propenyl)-4-piperidinol propanoate, 9CI. 3-Allyl-1-methyl-4-phenyl-4-propionyloxypiperidine. Alperidine. NIH 7440. Ro 2-7113

[25384-17-2]



(3R,4S)-form

$C_{18}H_{25}NO_2$ M 287.401

(3R,4S)-form [66679-16-1]
(−)-α-*form*
B,HCl: [42013-68-3]. Analgesic. Cryst. Mp 170-171°. $[\alpha]_D^{22}$ −70° (c, 1 in MeOH).

(3S,4R)-form
(+)-α-*form*
B,HCl: [50895-13-1]. Analgesic. Cryst. Mp 170-171°. $[\alpha]_D^{22}$ +69.4° (c, 1 in MeOH).

(3RS,4SR)-form [53611-18-0]
(±)-α-*form*
B,HCl: [41958-67-2]. Cryst. (Me_2CO). Mp 185-186°.

(3R,4R)-form
(+)-β-*form*
B,HCl: [50895-15-3]. Mp 70-75° (softens). $[\alpha]_D^{22}$ +0.5° (c, 1 in MeOH).

(3S,4S)-form
(−)-β-*form*
B,HCl: [50895-14-2]. Analgesic. Mp 70-76°. $[\alpha]_D^{22}$ −0.6° (c, 1 in MeOH).

(3RS,4RS)-form [53611-19-1]
(±)-β-*form*
B,HCl: [41958-68-3]. Cryst. (Me_2CO). Mp 205-206°.

Ziering, A. *et al, J. Org. Chem.*, 1957, **22**, 1521 (*synth*)
Bell, K.H. *et al, J. Med. Chem.*, 1973, **16**, 589 (*synth, abs config*)
Iorio, M.A. *et al, J. Med. Chem.*, 1973, **16**, 592 (*synth, pharmacol*)
Portoghese, P.S. *et al, J. Med. Chem.*, 1976, **19**, 55 (*cryst struct*)
Poupaert, J.H. *et al, Bull. Soc. Chim. Belg.*, 1977, **86**, 863 (*cd*)
Casy, A.F. *et al, Org. Magn. Reson.*, 1981, **15**, 275 (*cmr*)
Portoghese, J.H. *et al, J. Med. Chem.*, 1981, **24**, 782 (*synth*)

Almagate, INN A-00134

[Carbonato(2−)]heptahydroxy(aluminium)-trimagnesium, 9CI. Aluminum magnesium carbonate hydroxide. Almax

[72526-11-5]

$$Al_2Mg_6(CO_3)_2(OH)_{14}$$

$C_2H_{14}Al_2Mg_6O_{20}$ M 557.914
Nonsystemic antacid. Dihydrate also used.

Belg. Pat., 873 843, (*1979*); *CA*, **92**, 82424c (*synth*)
Beneyto, J.E. *et al, Arzneim.-Forsch.*, 1984, **34**, 1350, 1364, 1367, 1370, 1375, 1378 (*pharmacol, activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19021.

Almagodrate, INN A-00135

Magnesium hexacosahydroxypentaoxobis[sulfato(2−)]-decaaluminate(10−), 9CI

[103371-30-8]

$$[Mg_5Al_{10}(OH)_{26}O_5](SO_4)_2$$

$Al_{10}H_{26}Mg_5O_{39}S_2$ M 1105.642
Antacid.

Ger. Pat., 3 429 263, (*1986*); *CA*, **105**, 49049 (*synth*)

Almasilate, BAN, INN A-00136

Magnesium aluminosilicate. Gelusil-Lac. Malinal

[71205-22-6]

$$Al_2O_3{\cdot}MgO{\cdot}2SiO_2$$

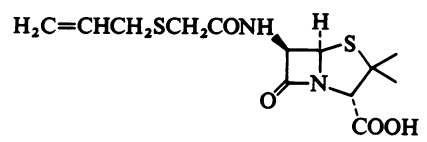
$Al_2MgO_8Si_2$ M 262.434
Antacid.

B.P., 1 153 513, (*1969*); *CA*, **71**, 126618s (*synth*)
Sommer, H. *et al, Med. Klin. (Munich)*, 1973, **68**, 1500 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 673, 5405, 15333.

Almecillin, INN A-00137

Allylthiomethylpenicillin. Cer-O-cillin. Penicillin AT. *Penicillin* O

[87-09-2]



$C_{13}H_{18}N_2O_4S_2$ M 330.416
Antibacterial agent. Cryst. (Me_2CO).
▷XI0100000.

Na salt: Needles. Mp 139-141°. $[\alpha]_D^{20}$ +247° (H_2O).
Et_3N salt: Needles. Mp 93-95°. $[\alpha]_D^{20}$ +210° (H_2O).

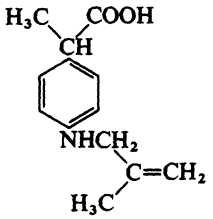
Behrens, O.K. *et al, J. Biol. Chem*, 1948, **175**, 793 (*synth*)

Ford, J.H. *et al*, *Antibiot. Chemother.*, 1953, **3**, 1149 (*rev*)
Hobbs, D.C. *et al*, *J. Med. Chem.*, 1961, **4**, 207 (*synth*)
Levitov, M.M. *et al*, *CA*, 1962, **57**, 7735 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 126.

Alminoprofen, INN **A-00138**

α-Methyl-4-[(2-methyl-2-propenyl)amino]-benzeneacetic acid, 9CI. p-[(2-Methylallyl)amino]-hydratropic acid. *Minalfene*

[39718-89-3]



$C_{13}H_{17}NO_2$ M 219.283

(±)-form

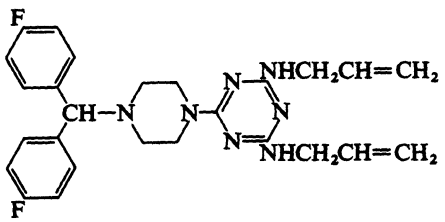
Analgesic, antiinflammatory agent. Mp 120°.

Ger. Pat., 2 223 855, (*1972*); *CA*, **78**, 43057b (*synth, pharmacol, tox*)
Dumaitre, B. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1979, **14**, 207 (*synth*)
Paillet, M. *et al*, *J. Chromatogr.*, 1985, **343**, 455 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16021.

Almitrine, BAN, INN **A-00139**

6-[4-[Bis(4-fluorophenyl)methyl]-1-piperazinyl]-N,N'-di-2-propenyl-1,3,5-triazine-2,4-diamine, 9CI. *2,4-Bis(allylamino)-6-[4-[bis(p-fluorophenyl)methyl]-1-piperazinyl-s-triazine,* 8CI. *Vectarion. S 2620. SE 5023*

[27469-53-0]



$C_{26}H_{29}F_2N_7$ M 477.559

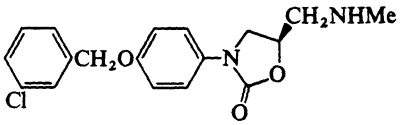
Respiratory stimulant. Mp 175-180°. Mainly used as dimesylate.

▷TK8690000.

Ger. Pat., 1 947 332, (*1970*); *CA*, **72**, 121586 (*synth, pharmacol*)
Regnier, G. *et al*, *Experientia*, 1972, **28**, 814 (*pharmacol*)
Labrid, C., *Clin. Respir. Physiol.*, 1982, **18**, 299 (*rev*)
Bromet, N. *et al*, *Presse Med.*, 1984, **13**, 2071 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12342.

Almoxatone, INN **A-00140**

3-[4-[(3-Chlorophenyl)methoxy]phenyl]-5-[(methylamino)methyl]-2-oxazolidinone, 9CI. *3-[p-[(m-Chlorobenzyl)oxy]phenyl]-5-[(methylamino)methyl]-2-oxazolidinone. MD 24 0928*



$C_{18}H_{19}ClN_2O_3$ M 346.813

(R)-form [84145-89-1]

Monoamine oxidase inhibitor (antidepressant); antiparkinsonian agent. Mp 75°. $[\alpha]_D^{20}$ +42.5° (c, 1.0 in CH_2Cl_2).

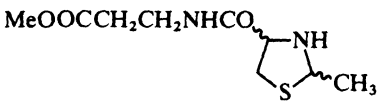
B,MeSO₃H: [84269-97-6]. *MD 780236.* Cryst. (EtOH). Mp 146°. $[\alpha]_D^{20}$ +48.4° (c, 1.0 in H_2O).

Ger. Pat., 3 320 394, (*1982*); *CA*, **100**, 121051 (*synth*)
Dostert, P. *et al*, *J. Pharm. Pharmacol.*, 1983, **35**, 161, 837; 1984, **36**, 782 (*pharmacol*)
Tipton, K.F. *et al*, *Biochem. J.*, 1983, **209**, 235 (*biochem*)

Alonacic, INN **A-00141**

N-[(2-Methyl-4-thiazolidinyl)carbonyl]-β-alanine methyl ester, 9CI

[105292-70-4]



$C_9H_{16}N_2O_3S$ M 232.297

Used in detoxification by restoration of glutathione.

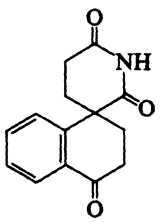
B,HCl: [105292-63-5]. Cryst. (2-propanol/Et_2O). Mp 124-125°. $[\alpha]_D^{20}$ −85° (c, 1.0 in MeOH).

Pat. Coop. Treaty (*WIPO*), 86 02 353, (*1986*); *CA*, **105**, 227322 (*synth, pharmacol*)

Alonimid, INN, USAN **A-00142**

2,3-Dihydrospiro[naphthalene-1(2H),3'-piperidine]-2',4,6'-trione, 8CI

[2897-83-8]



$C_{14}H_{13}NO_3$ M 243.262

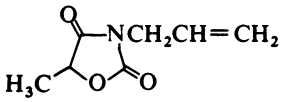
Exists in two forms. Sedative, hypnotic. Needles (Me_2CO). Mp 201-202°, Mp 204-205°.

Koelsch, C.F., *J. Org. Chem.*, 1960, **25**, 164 (*synth*)
Ger. Pat., 2 035 636, (*1971*); *CA*, **74**, 99895h (*synth, pharmacol*)

Aloxidone, BAN **A-00143**

5-Methyl-3-(2-propenyl)-2,4-oxazolidinedione, 9CI. 3-Allyl-5-methyloxazolidine-2,4-dione. ***Allomethadione, INN.*** *Malazol. Malidone*

[526-35-2]



$C_7H_9NO_3$ M 155.153

(±)-*form*

Anticonvulsant. Sl. sol. H_2O, sol. EtOH. Bp_{35} 137-140°.

Spielman, M.A. *et al, J. Am. Chem. Soc.*, 1948, **70**, 1021 (*synth*)
B.P., 626 971, 632 423, (*1950*); *CA*, **44**, 3034, 5917 (*synth*)
U.S.P., 2 559 011, (*1952*); *CA*, **46**, 3086 (*synth*)
Shapiro, S.L. *et al, J. Am. Chem. Soc.*, 1959, **81**, 6498 (*synth*)

Aloxiprin, BAN, INN **A-00144**

Alaprin. Lyman. Palaprin. Paloxin. Placet. Rumatral. Superpyrin

[9014-67-9]

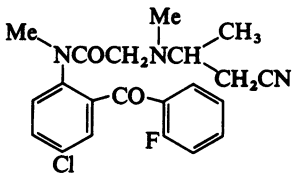
A polymeric condensation prod. of aluminium oxide and aspirin. Analgesic, antirheumatic agent. Powder.

Cummings, A.J. *et al, J. Pharm. Pharmacol.*, 1963, **15**, 56 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2607.

Alozafone, INN **A-00145**

N-[4-Chloro-2-(2-fluorobenzoyl)phenyl]-2-[(2-cyano-1-methylethyl)methylamino]-N-methylacetamide, 9CI. 4'-Chloro-2-[(2-cyano-1-methylethyl)methyl]amino]-2'-(o-fluorobenzoyl)-N-methylacetanilide. CAS 108

[65899-72-1]



$C_{21}H_{21}ClFN_3O_2$ M 401.867

CNS depressant.

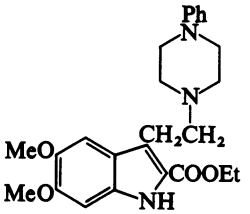
B,HCl: [50840-91-0]. Mp 128-131°.

Ger. Pat., 2 322 799, (*1973*); *CA*, **80**, 36874d (*synth, pharmacol*)
U.S.P., 3 928 415, (*1973*); *CA*, **84**, 164447m (*synth, pharmacol*)

Alpertine, USAN, INN **A-00146**

Ethyl 5,6-dimethoxy-3-[2-(4-phenyl-1-piperazinyl)-ethyl]-1H-indole-2-carboxylate, 9CI, 8CI. 1-[2-(2-Carbethoxy-5,6-dimethoxy-3-indolyl)ethyl]-4-phenylpiperazine. Win 31665

[27076-46-6]



$C_{25}H_{31}N_3O_4$ M 437.538

Tranquilliser. Cryst. (MeOH). Mp 142.5-144°.

U.S.P., 3 562 278, (*1971*); *CA*, **75**, 20442x (*synth, pharmacol*)

Alpha Amylase, USAN **A-00147**

α-Amylase. Fortizyme. Amylopsin. Buclamase. Maxilase. Amylase THC250

[9000-90-2]

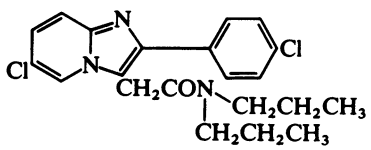
Antiinflammatory agent. A concentrate of amylolytic enzymes of bacterial or animal origin.

Thoma, J.A. *et al, Enzymes, 3rd Ed.*, 1971, **5**, 115 (*rev*)
Pierrot, M. *et al, FEBS Lett.*, 1977, **79**, 105 (*cryst struct*)
Ingle, M.B. *et al, Adv. Appl. Microbiol.*, 1978, **24**, 257 (*rev, bacterial amylase*)
Karn, R.C. *et al, Adv. Comp. Physiol.*, 1978, **7**, 1 (*rev, animal amylase*)

Alpidem, BAN, INN, USAN **A-00148**

6-Chloro-2-(4-chlorophenyl)-N,N-dipropylimidazo[1,2-a]pyridine-3-acetamide, 9CI. 2-(6-Chloro-2-p-chlorophenylimidazo[1,2-a]pyridin-3-yl)-N,N-dipropylacetamide. Ananxyl

[82626-01-5]



$C_{21}H_{23}ClN_3O$ M 368.885

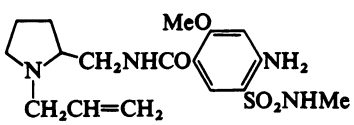
Anxiolytic. Mp 140-141°.

Eur. Pat., 50 563, (*1982*); *CA*, **97**, 92280v (*synth, pharmacol*)
Ascalone, V. *et al, J. Chromatogr.*, 1987, **414**, 101 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1676.

Alpiropride, INN **A-00149**

4-Amino-2-methoxy-5-[(methylamino)sulfonyl]-N-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]benzamide, 9CI. N-[(1-Allyl-2-pyrrolidinyl)methyl]-4-amino-5-(methylsulfamoyl)-o-anisamide. Iristel. Riv 2093

[81982-32-3]



$C_{17}H_{26}N_4O_4S$ M 382.477

(±)-*form*

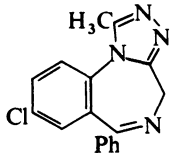
Antihypertensive agent; used to treat migraine. Cryst. (EtOH). Mp 168.5-169°.

Eur. Pat., 47 207, (*1980*); *CA*, **97**, 6010c (*synth, pharmacol*)

Alprazolam, BAN, INN, JAN, USAN **A-00150**

*8-Chloro-1-methyl-6-phenyl-4*H-[*1,2,4*]*triazolo*[*4,3-a*][*1,4*]*benzodiazepine*, *9CI, 8CI*

[28981-97-7]



$C_{17}H_{13}ClN_4$ M 308.770

Tranquilliser, muscle relaxant. Cryst. (EtOAc). Mp 229-230°.

▷XZ5473000.

α-Hydroxy: [37115-43-8]. *8-Chloro-6-phenyl-4*H-[*1,2,4*]*triazolo*[*4,3-a*][*1,4*]*benzodiazepine-1-methanol*, *9CI*. **α-Hydroxyalprazolam**. *GP 55129.*

$C_{17}H_{13}ClN_4O$ M 324.769

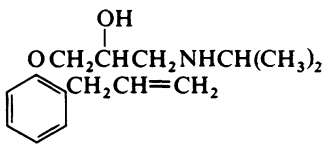
Major metab. of alprazolam in man. Tranquilliser. Cryst. (EtOAc). Mp 209-211°.

Hester, J.B. *et al*, *J. Med. Chem.*, 1971, **14**, 1078 (*synth, pharmacol*)
Meguro, K. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 2382 (*synth*)
Walser, A. *et al*, *J. Med. Chem.*, 1977, **20**, 1694 (*synth, pharmacol*)
Hester, J.B. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 575.
Hester, J.B. *et al*, *J. Med. Chem.*, 1980, **23**, 392 (*deriv*)
Pento, J.T., *Drugs of Today*, 1982, **18**, 253 (*rev*)
Dawson, G.W. *et al*, *Drugs*, 1984, **27**, 132 (*rev, pharmacol*)
Habeeb, A.H. *et al*, *Bull. Soc. Chim. Belg.*, 1985, **94**, 585 (*ms, pmr*)
Scahill, T.A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 280 (*pmr, cmr*)
Straw, R.N. *et al*, *Drug Dev. Res.*, 1985, **6**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7003.

Alprenolol, BAN, INN **A-00151**

1-[(Methylethyl)amino]-3-[2-(2-propenyl)phenoxy]-2-propanol, *9CI. 1-(2-Allylphenoxy)-3-(isopropylamino)-propan-2-ol. Numerous proprietary names*

[13655-52-2]



$C_{15}H_{23}NO_2$ M 249.352

β-Adrenergic blocker. Mp 57-58°.

▷UA5350000.

B,HCl: [13707-88-5]. *Alprenolol hydrochloride*, *USAN, JAN*. Mp 108-110°.

▷UA5425000.

Brandstrom, A. *et al*, *Acta Pharm. Suec.*, 1966, **3**, 303; *CA*, **68**, 21622 (*synth*)
Karow, M.A. *et al*, *Fortschr. Arzneimittelforsch.*, 1971, **15**, 103 (*rev*)
Barrans, Y. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 1264 (*cryst struct*)
Dangoumau, J. *et al*, *J. Pharmacol.*, 1973, **4**, 5 (*conformn, props*)
Aablad, B. *et al*, *Pharmacol. Antihypertens. Drugs*, 1980, 223 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3726 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6303.

Alsactide, INN **A-00152**

1-β-Alanine-17-[N-(*4-aminobutyl*)-L-*lysinamide*]-α^{1-17}-*corticotrophin*, *9CI. 1-β-Alanine-17-*[*L-2,6-diamino*-N-(*4-aminobutyl*)*hexanamide*]-α^{1-17}-*corticotropin*, *8CI. Synchrodyn. Alisactide. Hoechst 433*

[34765-96-3]

H-L-β-Ala-L-Tyr-L-Ser-L-Met-L-Glu-L-His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-L-Lys-$NH(CH_2)_4NH_2$

$C_{99}H_{155}N_{29}O_{21}S$ M 2119.555

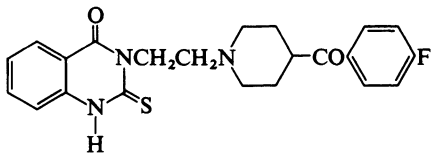
Corticosteroid.

Geiger, R. *et al*, *Prog. Pept. Res.*, [*Proc. Am. Pept. Symp.*],, 2nd, Gordon and Breach, N.Y., 1970, 273 (*synth*)
Finn, F.M. *et al*, *J. Biol. Chem*, 1976, **251**, 3576 (*pharmacol*)
Halberg, F. *et al*, *Adv. Biosci.*, 1982, **41**, 119 (*rev*)

Altanserin, INN **A-00153**

*3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,3-dihydro-2-thioxo-4(1*H*)-quinazolinone*, *9CI*

[76330-71-7]



$C_{22}H_{22}FN_3O_2S$ M 411.493

Serotonin antagonist. Mp 225.5°.

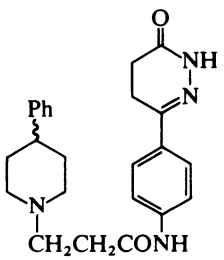
Tartrate: [79449-96-0]. *Altanserin tartrate*, *USAN. R-53 200.*

Eur. Pat., 13 612, (*1979*); *CA*, **94**, 65718a (*synth, pharmacol*)

Altapizone, INN **A-00154**

*4-Phenyl-*N-[*4-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)phenyl*]-*1-piperidinepropanamide*, *9CI*

[93277-96-4]



$C_{24}H_{28}N_4O_2$ M 404.511

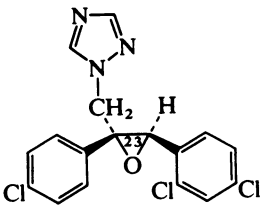
Platelet aggregation inhibitor. Mp 238-240°.

Ger. Pat., 3 302 021, (*1984*); *CA*, **101**, 230558 (*synth*)

Alteconazole, INN **A-00155**

1-[[2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)-oxiranyl]methyl]-1H-1,2,4-triazole, 9CI. *2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)-2-(1,2,4-triazol-1-ylmethyl)oxirane*

[88629-90-7]



(2*RS*,3*RS*)-*form*

$C_{17}H_{12}Cl_3N_3O$ M 380.660

(***2RS,3RS*)-*form*** [93479-96-0]

(±)-cis-*form*

Antifungal agent. Mp 119°.

Ger. Pat., 3 218 130, (*1983*); *CA*, **100**, 85704p (*synth, pharmacol*)

Alteplase **A-00156**

Actilyse. Activase. Tissue plasminogen activator. G 11021 (2-chain form). G 11035. G 11044. tPA

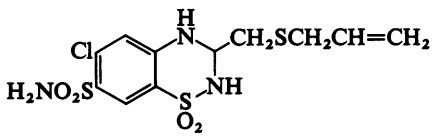
Haemostatic protein containing 527 amino acid residues. Used in treatment of myocardial infarction and embolism.

Rijken, D.C. *et al, Biochim. Biophys. Acta*, 1979, **580**, 140 (*isol*)
Pennica, D. *et al, Nature (London)*, 1983, **301**, 214 (*cloning*)
Crabbe, S.J. *et al, Clin. Pharm.*, 1987, **6**, 373 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16956.

Althiazide, USAN **A-00157**

6-Chloro-3,4-dihydro-3-[(2-propenylthio)methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. *3-[(Allylthio)methyl]-6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide,* 8CI. ***Altizide, INN.*** *8093 CB. P 1779*

[5588-16-9]



$C_{11}H_{14}ClN_3O_4S_3$ M 383.882

(±)-***form***

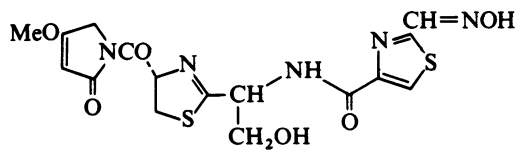
Antihypertensive, diuretic. Mp 206-207°.

B.P., 902 658, (*1962*); *CA*, **58**, 539e (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12345.

Althiomycin, 8CI **A-00158**

Matamycin. Antibiotic 116A

[12656-40-5]



$C_{16}H_{17}N_5O_6S_2$ M 439.460

Peptide antibiotic. Isol. from *Cystobacter fuscus, Myxococcus virescens, M. xanthus, Streptomyces althioticus, S. chartreusis* and *S. matensis*. Active against gram-positive organisms. Also shows anticoccidial and antiherpes activity. Cryst. (CH_2Cl_2/EtOH). Mp 181-184° dec. $[\alpha]_D^{25}$ +37.8° (c, 2 in EtOH/CH_2Cl_2, 1:1).

▷XJ3500000.

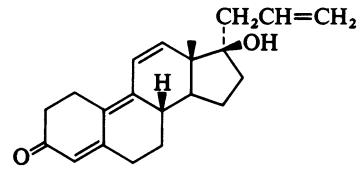
O-*Ac:* Pale-yellow plates (CH_2Cl_2) or soft white needles (EtOH) (dimorph.). Mp 183-186° dec. (plates), 187-189° (needles).

Yamaguchi, H. *et al, J. Antibiot., Ser. A*, 1957, **10**, 195 (*isol*)
Cram, D.J. *et al, J. Am. Chem. Soc.*, 1963, **85**, 1430 (*uv, ir, pmr*)
Sakakibara, H. *et al, J. Antibiot.*, 1974, **27**, 897 (*pmr, cmr, cryst struct*)
Bycroft, B.W. *et al, J. Chem. Soc., Chem. Commun.*, 1975, 121 (*struct, ms, ir, uv, pmr, cmr*)
Kirst, H.A. *et al, J. Antibiot.*, 1975, **28**, 286 (*struct, nmr, ir, uv, ms*)
Pestka, S. *et al, Antibiotics (N.Y.)*, 1975, **3**, 323 (*rev*)
Shiba, T. *et al, Heterocycles*, 1979, **13** (*Spec. Issue*), 175 (*synth, config*)
Kunze, B. *et al, J. Antibiot.*, 1982, **35**, 635 (*isol, bibl*)
Shiba, T. *et al, Tetrahedron Lett.*, 1984, **25**, 2009 (*synth*)

Altrenogest, BAN, USAN, INN **A-00159**

17α-Allyl-17β-hydroxy-4,9,11-estratrien-3-one, 8CI. *17α-Allyl-17β-hydroxy-19-nor-4,9,11-androstatrien-3-one. 17β-Hydroxy-19,21,24-trinor-4,9,11,22-cholatetraen-3-one*

[850-52-2]



$C_{21}H_{26}O_2$ M 310.435

Progestogen. Mp 120°. $[\alpha]_D^{20}$ −72°.

▷KG7745000.

Fr. Pat., 5 183, (*1967*); *CA*, **71**, 81631x (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12346.

Alusulf, INN **A-00160**

Aluminium hydroxy sulfate dodecahydrate, 9CI. *Heptaaluminum heptadecahydroxide bissulfate*

[61115-28-4]

$Al_7(OH)_{17}(SO_4)_2$

$Al_7H_{17}O_{25}S_2$ M 670.110

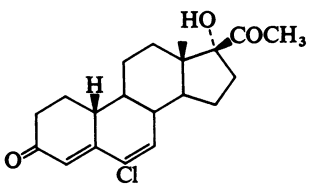
Antacid with high phosphate-binding capacity.

Ger. Pat., 2 510 663, (*1976*); *CA*, **85**, 182418c (*synth, props*)

Amadinone, INN **A-00161**

6-Chloro-17-hydroxy-19-norpregna-4,6-diene-3,20-dione, 9CI

[30781-27-2]



$C_{20}H_{25}ClO_3$ M 348.869

Progestin. Mp 159-161°.

17-Ac: [22304-34-3]. *Amadinone acetate,* USAN. *RS 2208.*

$C_{22}H_{27}ClO_4$ M 390.906

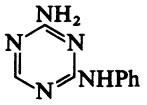
Progestin.

Fr. Pat., 6 462, (*1968*); *CA*, **75**, 6194m (*synth, pharmacol*)

Amanozine, INN **A-00162**

N-*Phenyl-1,3,5-triazine-2,4-diamine, 9CI. 2-Amino-4-anilino-s-triazine, 8CI.* N-*Phenylformoguanamine. Amenozine. Urofort. Diurca. Opturon. Renolin. W-1191-2*

[537-17-7]



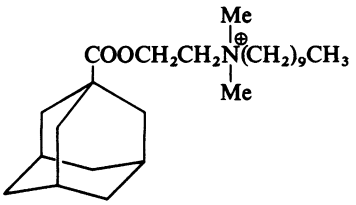
$C_9H_9N_5$ M 187.204

Diuretic. Mp 235-6°.

Overberger, C.G. *et al, J. Am. Chem. Soc.*, 1954, **76**, 93 (*synth*)
Kreutzberger, A., *Arzneim.-Forsch.*, 1975, **25**, 1860 (*pharmacol*)

Amantanium(1+) **A-00163**

N,N-*Dimethyl*-N-[2-[(*tricyclo*[3.3.1.1^{3,7}]*dec-1-ylcarbonyl)oxy]ethyl-1-decanaminium, 9CI. Decyl(2-hydroxyethyl)dimethylammonium 1-adamantanecarboxylate*



$C_{25}H_{46}NO_2^{\oplus}$ M 392.644 (ion)

Bactericide. Used in dentifrices.

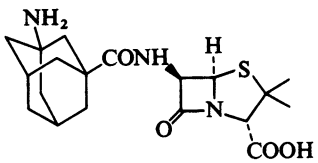
Bromide: [58158-77-3]. *Amantanium bromide, INN. Amantalcol. Amantol. CR 898.*
$C_{25}H_{46}BrNO_2$ M 472.548
Cryst. Mp 183-184°.

U.S.P., 3 928 411, (*1975*); *CA*, **84**, 105105a (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16051.

Amantocillin, INN **A-00164**

(*3-Amino-1-adamantyl*)*penicillin*

[10004-67-8]



$C_{19}H_{27}N_3O_4S$ M 393.500

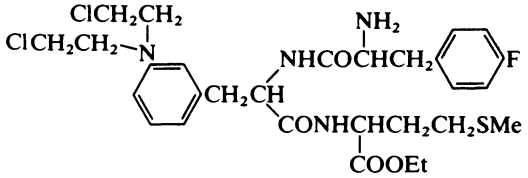
Semisynthetic. Highly active penicillinase-resistant broad-spectrum antibiotic. Cryst. + $1H_2O(Me_2CO$ aq.). Mp 235° dec. $[\alpha]_D^{20}$ +253° (H_2O).

Netherlands Pat., 6 512 491, (*1966*); *CA*, **65**, 16975 (*synth*)

Ambamustine **A-00165**

N-[3-[*Bis*(2-*chloroethyl*)*amino*]-N-(4-*fluoro-L-phenylalanyl*)-L-*phenylalanyl*)-L-*methionine ethyl ester, 9CI. PTT 119*

[85754-59-2]



$C_{29}H_{39}Cl_2FN_4O_4S$ M 629.616

Antineoplastic, analgesic, spasmolytic agent.

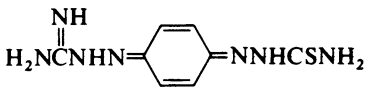
B,HCl: [83996-50-3]. Cryst. (2-propanol). Mp 180-182°. $[\alpha]_D^{20}$ +74° (c, 1 in EtOH).

De Barbieri, A. *et al, Farmaco, Ed. Sci.*, 1983, **38**, 205; 1984, **39**, 26 (*synth, pharmacol*)
Roboz, J. *et al, Pharmacology*, 1985, **30**, 47 (*pharmacol*)
Allegrucci, M. *et al, Immunopharmacol. Immunotoxicol.*, 1987, **9**, 71 (*pharmacol*)
Yagi, M.J. *et al, Chemotherapy* (*Basel*), 1988, **34**, 61 (*pharmacol*)

Ambazone, BAN, INN **A-00166**

2-[4-[(*Aminoiminomethyl*)*hydrazono*]-2,5-*cyclohexadien-1-ylidenehydrazinecarbothiamide.* [(4-*Oxo-2,5-cyclohexadien-1-ylidene*)*amino*]*guanidine thiosemicarbazone, 8CI. 1,4-Benzoquinone amidinohydrazone thiosemicarbazone. Anginon. Guanothiazone. Inversal. Iversal. Ivertol. Primal. Promassol. Sepsoral*

[539-21-9]



$C_8H_{11}N_7S$ M 237.282

Fungicide. Brown cryst. (H_2O). Insol. H_2O, EtOH. Mp 195° dec.

▷MF5550000.

Petersen, S. *et al, Naturwissenschaften*, 1954, **41**, 10 (*synth*)
Ger. Pat., 2 616 646, (*1976*); *CA*, **86**, 55163m (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2203.

Ambenonium(2+) **A-00167**

N,N′-[(1,2-*Dioxo-1,2-ethanediyl*)*bis*(*imino-2,1-ethanediyl*)]*bis*(2-*chloro*-N,N′-*diethyl*)-*benzenemethanaminium, 9CI. Mytelase*

[7648-98-8]



$C_{28}H_{42}Cl_2N_4O_2^{\oplus\oplus}$ M 537.571 (ion)

Cholinesterase inhibitor.

Dichloride: [115-79-7]. *Ambenonium chloride, BAN, USAN, INN. Ambestigmin chloride. Myorgal. Mysuran. Oksazil. Oxazyl. Win 8077.*
$C_{28}H_{42}Cl_4N_4O_2$ M 608.477
Cryst. Sol. H_2O. Mp 196-199°.

▷BR9808000.

U.S.P., 3 096 373, (*1964*); *CA*, **60**, 453 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4507.

Ambenoxan, BAN, INN **A-00168**

*2,3-Dihydro-*N*-[2-(2-methoxyethoxy)ethyl]-1,4-benzodioxin-2-methanamine, 9CI.* N*-[2-(2-Methoxyethoxy)ethyl]-1,4-benzodioxan-2-methylamine, 8CI*

[2455-84-7]



$C_{14}H_{21}NO_4$ M 267.324

Muscle relaxant. Oil. $Bp_{11.5}$ 180-186°.

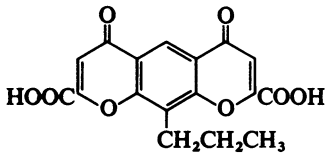
B,HCl: [1617-99-8]. Mp 104-106°.

Netherlands Pat., 6 410 198, (*1965*); *CA*, **63**, 4307b (*synth*)
Shapero, M. *et al*, *Br. J. Pharmacol.*, 1970, **38**, 263 (*pharmacol*)

Ambicromil, BAN, INN **A-00169**

*4,6-Dioxo-10-propyl-4*H,6H*-benzo[1,2-*b*:5,4-*b′*]-dipyran-2,8-carboxylic acid, 9CI. 4,6-Dioxo-10-propyl-4*H,6H*-pyrano[3,2-*g*]chromene-2,8-dicarboxylic acid. Probicromil. FPL 58668*

[58805-38-2]



$C_{17}H_{12}O_8$ M 344.277

Drug for prophylaxis of allergic conditions. Mp 310-311°.

▷ID_{50} 0.05 mg/kg, i.v. in rats

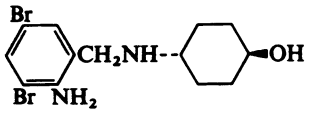
Ca salt: [71144-97-3]. *Probicromil calcium, USAN.*

Bantick, J.R. *et al*, *J. Med. Chem.*, 1976, **19**, 817 (*synth, tox, pharmacol*)
Ger. Pat., 2 851 440, (*1979*); *CA*, **91**, 107891x (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13170.

Ambroxol, INN **A-00170**

4-[[(2-Amino-3,5-dibromophenyl)methyl]amino]-cyclohexanol, 9CI. NA 872

[18683-91-5]



$C_{13}H_{18}Br_2N_2O$ M 378.106

▷GV8423000.

trans-form

Expectorant. Metab. of Bisolvan.

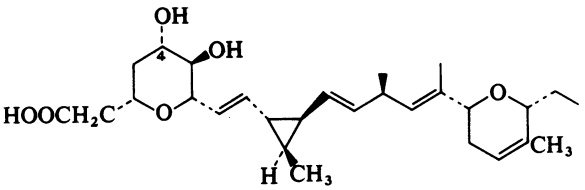
B,HCl: [15942-05-9]. *Ambroxol hydrochloride, JAN. Ambrolitic. Bronchopront. Mucovent. Numerous proprietary names.* Mp 228-229°.

Keck, J., *Justus Liebigs Ann. Chem.*, 1967, **707**, 107 (*synth*)
Renovanz, K.D., *Arzneim.-Forsch.*, 1975, **25**, 646 (*pharmacol*)
Koch, H., *Drugs of Today*, 1979, **15**, 523 (*rev*)
Eur. Pat., 130 224, (*1985*); *CA*, **103**, 37181 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2835 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2002.

Ambruticin, USAN, INN **A-00171**

Antibiotic acid S. 5,6-Dihydroxypolyangioic acid. SMP 78. W 7783. Antibiotic SMP 78. Antibiotic W 7783

[58857-02-6]



$C_{28}H_{42}O_6$ M 474.636

From *Polyangium cellulosum.* Antifungal agent. Tan solid. Insol. H_2O.

▷UP5990000.

Me ester: [62711-77-7]. Oil.

4-Epimer: [66965-37-5]. *5-epi-5,6-Dihydroxypolyangioic acid.*

$C_{28}H_{42}O_6$ M 474.636

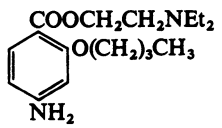
From *P. cellulosum.* Very active against pathogenic fungi. Oil.

Connor, D.T. *et al*, *J. Org. Chem.*, 1977, **42**, 3664 (*struct*)
Ringel, S.M. *et al*, *J. Antibiot.*, 1977, **30**, 371 (*isol, pharmacol, cryst struct*)
Ringel, S.M. *et al*, *Antimicrob. Agents Chemother.*, 1978, **13**, 762 (*pharmacol, metab*)
Barnes, N.J. *et al*, *Tetrahedron Lett.*, 1981, 1751 (*abs config*)
Connor, D.T. *et al*, *J. Org. Chem.*, 1978, **43**, 4606 (*epimer*)
Potvin, P.G. *et al*, *Diss. Abstr. Int. B*, 1982, **43**, 1106.

Ambucaine, INN **A-00172**

2-(Diethylamino)ethyl 4-amino-2-butoxybenzoate, 8CI. Ambutoxate. Sympocaine. Win 3706. Vincaine

[119-29-9]



$C_{17}H_{28}N_2O_3$ M 308.420

Spinal anaesthetic agent.

▷DG1501000.

B,HCl: [15016-15-6]. Mp 123-125°.

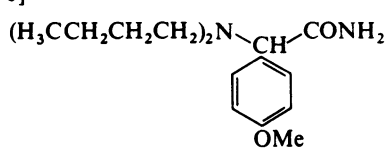
▷DG1502700.

Büchi, J. *et al*, *Helv. Chim. Acta*, 1951, **34**, 1002 (*synth*)
Ludueña, F.P. *et al*, *Arch. Int. Pharmacodyn.*, 1956, **107**, 335 (*tox*)
Ludueña, F.P., *Arch. Int. Pharmacodyn.*, 1957, **109**, 143 (*pharmacol*)
Khemani, L. *et al*, *J. Chromatogr.*, 1969, **41**, 274 (*tlc*)

Ambucetamide, BAN, INN **A-00173**

α-(Dibutylamino)-4-methoxybenzeneacetamide, 9CI. Dibutamide. Bersen. Meritin. A 16. R 5

[519-88-0]



$C_{17}H_{28}N_2O_2$ M 292.420

Antispasmodic drug. Rods ($EtOH/Et_2O$). Sol. EtOH, AcOH. Mp 134°.

▷AB6365000.

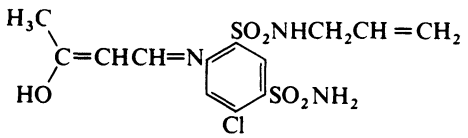
Janssen, P.A.J., *J. Am. Chem. Soc.*, 1954, **76**, 6192 (*synth*)

Goebelmann, U. *et al*, *Arzneim. Forsch.*, 1961, **11**, 929 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5227.

Ambuside, BAN, INN, USAN **A-00174**

4-Chloro-6-[(3-hydroxy-2-butenylidene)amino]-N^1-propenyl-1,3-benzenedisulfonamide, 9CI. N′-*Allyl-4-chloro-6-[(3-hydroxy-2-butenylidene)amino]-*m-*benzenedisulfonamide, 8CI. Hydrion. Novohydrin. Ex 4810. RMI 83047*

[3754-19-6]



$C_{13}H_{16}ClN_3O_5S_2$ M 393.860
Diuretic, antihypertensive agent. Mp 205-207°.

Robertson, J.E. *et al*, *J. Med. Chem.*, 1965, **8**, 90 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2303.

Ambutonium(1+) **A-00175**

γ-(*Aminocarbonyl*)-N-*ethyl*-N,N-*dimethyl*-γ-*phenylbenzenepropanaminium, 9CI.* (*β-Carbamoyl-3,3-diphenylpropyl*)*ethyldimethylammonium*

[14007-49-9]

$H_2NCOCPh_2CH_2CH_2N^{\oplus}Me_2Et$

$C_{20}H_{27}N_2O^{\oplus}$ M 311.446 (ion)
Antispasmodic drug.

▷BP0700000.

Bromide: [115-51-5]. *Ambutonium bromide, BAN. BL 700B. R 100.*
$C_{20}H_{27}BrN_2O$ M 391.350
Mp 228-229° dec.

▷BP0694200.

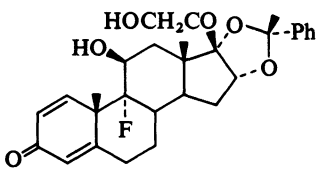
Iodide: Ambutonium iodide.
$C_{20}H_{27}IN_2O$ M 438.351
Mp 113-116°. Solidifies and remelts at 169-71°.

Speeter, M.E. *et al*, *J. Org. Chem.*, 1952, **17**, 770 (*synth*)
Janssen, P.A.J. *et al*, *Arch. Int. Pharmacodyn.*, 1955, **103**, 82, 100.
U.S.P., 2 823 233, (*1958*); *CA*, **52**, 18473 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 337.

Amcinafide, USAN, INN **A-00176**

9-Fluoro-11,21-dihydroxy-16,17-[(1-phenylethylidene)-bis(oxy)]pregna-1,4-diene-3,20-dione, 9CI. 9-Fluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetophenone, 8CI. Triamcinolone acetophenide. SQ 15,112

[7332-27-6]



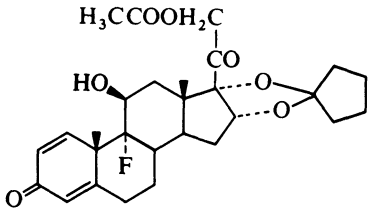
$C_{29}H_{33}FO_6$ M 496.575
Antiinflammatory agent. Mp 281-283°. $[\alpha]_D^{23}$ +23° (c, 0.39-1.01 in $CHCl_3$).

Ger. Pat., 1 099 529, (*1958*); *CA*, **56**, 6044i (*synth, pharmacol*)
Fried, J. *et al*, *Hormonal Steroids, Proc. Intern. Congr.*, 1st, 1964, **2**, 15; *CA*, **64**, 19317 (*synth*)

Amcinonide, BAN, INN, USAN **A-00177**

21-(Acetyloxy)-16α,17-[(cyclopentylidenebis(oxy)]-9-fluoro-11β-hydroxypregna-1,4-diene-3,20-dione, 9CI. Triamcinolone acetate cyclopentanonide. Amciderm. Amicla. Coderm. Cyclocort. Cycloderm. Penticort. Visderm

[51022-69-6]



$C_{28}H_{35}FO_7$ M 502.579
Corticosteroid, antiinflammatory agent. Cryst. (Me_2CO/hexane).

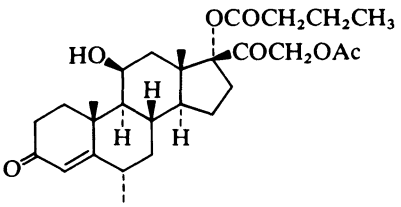
▷TU3682500.

B.P., 1 442 925, (*1976*); *CA*, **83**, 10608g (*synth, pharmacol*)
Woodford, R. *et al*, *Curr. Ther. Res.*, 1979, **26**, 301 (*props*)
Pento, J.T., *Drugs of Today*, 1980, **16**, 321 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12351.

Amebucort, INN **A-00178**

21-(Acetyloxy)-11-hydroxy-6-methyl-17-(1-oxobutoxy)pregn-4-ene-3,20-dione, 9CI. ZK 90999

[83625-35-8]



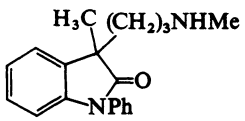
$C_{28}H_{40}O_7$ M 488.620
Glucocorticoid. Antiinflammatory and antiallergic agent.

Eur. Pat., 54 786, (*1982*); *CA*, **97**, 216577 (*synth*)

Amedalin, INN **A-00179**

*1,3-Dihydro-3-methyl-3-[3-(methylamino)propyl]-1-phenyl-2*H*-indol-2-one, 9CI. 3-Methyl-3-[3-(methylamino)propyl]-1-phenyl-2-indolinone, 8CI*

[22136-26-1]



$C_{19}H_{22}N_2O$ M 294.396
Antidepressant.

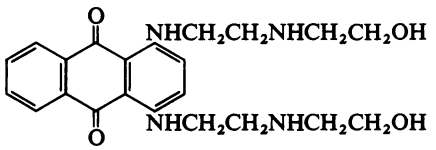
B,HCl: [22232-73-1]. *Amedalin hydrochloride, USAN. UK 3540-1.* Mp 168-170°.

Cauas-Rodriguez, A. *et al*, *J. Med. Chem.*, 1972, **15**, 762 (*synth, pharmacol*)
Vega, R. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2706 (*cryst struct*)

Ametantrone, INN **A-00180**

1,4-Bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione, 9CI. *1,4-Bis[[2-[(2-hydroxyethyl)-amino]ethyl]amino]anthraquinone*

[64862-96-0]



$C_{22}H_{28}N_4O_4$ M 412.488

Antineoplastic, antileukaemic agent. Mp 156-158°.

Diacetate (salt): [70711-40-9]. *Ametantrone acetate,* USAN. *CI-881. NSC 287513.*

Zee-Chang, R.K.Y., *J. Med. Chem.*, 1978, **21**, 291 (*synth, pharmacol*)

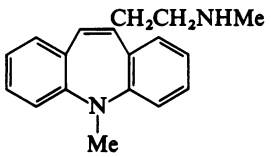
Murdock, K.C. *et al, J. Med. Chem.*, 1979, **22**, 1024 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12352.

Amezepine, INN **A-00181**

N,*5-Dimethyl-5H-dibenz*[b,f]*azepine-10-ethanamine,* 9CI. *5-Methyl-10-[2-(methylamino)ethyl]-5H-dibenz*[b,f]*azepine. RU 21600*

[60575-32-8]



$C_{18}H_{20}N_2$ M 264.369

Antidepressant.

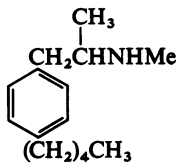
4,4'-Methylenebis[3-hydroxy-2-naphthoate]: Amezepine pamoate. Mp 170°.

Fr. Pat., 2 278 341, (*1976*); *CA*, **85**, 149124f (*synth, pharmacol*)

Amfepentorex, INN **A-00182**

N,α-*Dimethyl*-p-*pentylphenethylamine,* 8CI. *CB 2201*

[15686-27-8]



$C_{15}H_{25}N$ M 219.369

Also used as maleate.

(±)-*form*

Anorexic agent. $Bp_{0.05}$ 100-105°.

B,HCl: Mp 110-112°.

Schmitt, J. *et al, Chim. Ther.*, 1967, **2**, 260 (*synth, pharmacol*)

Amfetaminil, INN **A-00183**

α-*[(1-Methyl-2-phenylethyl)amino]benzeneacetonitrile,* 9CI. *[(α-Methylphenethyl)amino]phenylacetonitrile,* 8CI. N-*Cyanobenzylamphetamine. Amphetaminil. Aponeuron. ANI*

[17590-01-1]

$C_{17}H_{18}N_2$ M 250.343

Central stimulant, psychotropic agent. Mp 85-87°. Readily converted to amphetamine in aq. soln.

▷AM1050000.

Klosa, J., *J. Prakt. Chem.*, 1963, **20**, 275 (*synth*)

Beyer, K.H. *et al, Deut. Apoth.-Ztg.*, 1971, **111**, 677 (*synth, pharmacol, uv, tox*)

Hoffman, H., *Deut. Apoth.-Ztg.*, 1971, **111**, 680 (*tlc, pharmacol*)

Salvesen, B. *et al, Arzneim.-Forsch.*, 1974, **24**, 133, 134, 137 (*pmr, config*)

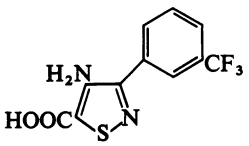
Klosa, J., *Arzneim.-Forsch.*, 1975, **25**, 1252, 1863 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1415.

Amflutizole, USAN, INN **A-00184**

4-Amino-3-[3-(trifluoromethyl)phenyl]-5-isothiazole-carboxylic acid, 9CI. *4-Amino-3-(α,α,α-trifluoro*-m-*tolyl)-5-isothiazolecarboxylic acid. LY 141894*

[82114-19-0]



$C_{11}H_7F_3N_2O_2S$ M 288.244

Gout suppressant, xanthine oxidase inhibitor. Mp 179-180°.

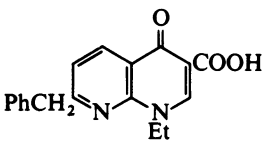
Me ester: [82424-65-5]. Mp 94-95°.

Eur. Pat., 48 615, (*1982*); *CA*, **97**, 55798z (*synth, pharmacol*)

Amfonelic acid, BAN, USAN, INN **A-00185**

7-Benzyl-1-ethyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, 8CI. *NSC 100638. Win 25978*

[15180-02-6]



$C_{18}H_{16}N_2O_3$ M 308.336

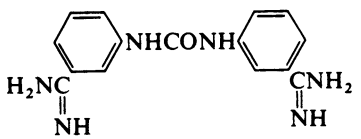
CNS stimulant. No phys. props. reported.

Aceto, M.D. *et al, J. Pharmacol. Exp. Ther.*, 1967, **158**, 286; *CA*, **67**, 115640j (*synth, use*)

Amicarbalide, BAN, INN **A-00186**

3,3'-(Carbonyldiimino)bisbenzenecarboximidamide, 9CI. *3,3'-Diamidinocarbanilide,* 8CI. N,N'-*Di(3-amidinophenyl)urea*

[3459-96-9]



$C_{15}H_{16}N_6O$ M 296.331

Antiprotozoal.

2-Bis(hydroxyethanesulphonate): [3671-72-5]. *Diampron. M&B 5062*A. Veterinary antiprotozoal agent. V. sol. H_2O. Mp 209°.

▷FE0200000.

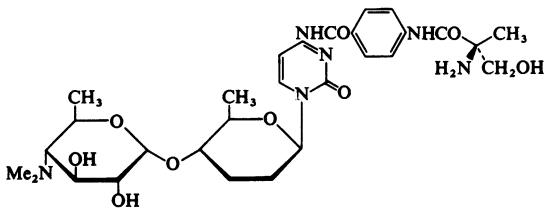
Berg, S.S. *et al, J. Chem. Soc.*, 1961, 5097 (*synth*)

Schmidt, G. *et al*, *Res. Vet. Sci.*, 1969, **10**, 530 (*pharmacol*)
Nathan, H.C. *et al*, *J. Protozool.*, 1979, **26**, 657 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12355.

Amicetin A-00187

Allomycin. Amicetin A. *Sacromycin. Antibiotic 4009A. NSC 5340. U 4761*

[17650-86-1]



$C_{29}H_{42}N_6O_9$ M 618.686

Nucleoside antibiotic. Obt. from *Streptomyces vinaceus-drappus*, *S. fasciculatus* and *S. coeruleoaurantiacus*. Antitubercular and antileukaemic factor. Needles (H_2O). Mp 165-169° (from cold H_2O), 244-245° (from hot H_2O). $[\alpha]_D^{25}$ +98° (c, 0.8 in 0.05N HCl), +116.5° (c, 0.5 in 1N HCl). pK_{a1} 10.4, pK_{a2} 7.0.

▷BE5950000.

B,2HCl: Cryst. (MeOH/Me_2CO). Mp 190-192°. $[\alpha]_D^{24.5}$ +117° (c, 0.4 in EtOH).

Tribenzoyl: Cryst. (EtOH). Mp 177-179°.

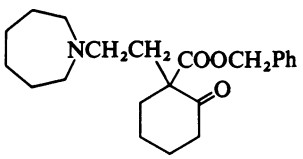
N-*De-Me:* [43043-14-7]. ***Bamicetin***.
$C_{28}H_{40}N_6O_9$ M 604.659
From *S. plicatus*. Shows antibiotic props. Cryst. Mp 240-241°. $[\alpha]_D^{26}$ +123° (c, 0.5 in 0.1*M* HCl).

Hinman, J.W. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 499, 5864.
Stevens, C.L. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 1552 (*struct*)
Hanessian, S. *et al*, *Tetrahedron Lett.*, 1964, 2451 (*config*)
Smith, J.L. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 1095 (*cryst struct*)
Gauze, G.F. *et al*, *Antibiotiki* (*Moscow*), 1982, **27**, 243, 403 (*isol, pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 183.

Amicibone, INN A-00188

Phenylmethyl 1-[2-(hexahydro-1H-azepin-1-yl)ethyl]-2-oxocyclohexanecarboxylate, *9CI*. *Benzyl 1-[2-(hexahydro-1H-azepin-1-yl)ethyl]-2-oxocyclohexanecarboxylate*, *8CI*. *Biotussal. Pectipront*

[23271-63-8]



$C_{22}H_{31}NO_3$ M 357.492

(±)-***form***

Antitussive.

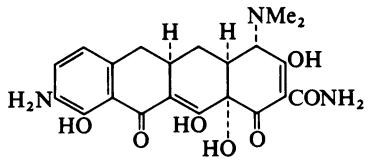
B,HCl: Mp 136-137°.

Austrian. Pat., 237 593, (*1965*); *CA*, **62**, 5207e (*synth, pharmacol*)

Amicycline, INN, USAN A-00189

9-Amino-6-demethyl-6-deoxytetracycline

[5874-95-3]



$C_{21}H_{23}N_3O_7$ M 429.429

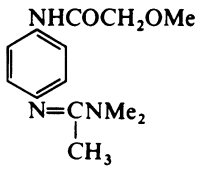
Antibacterial agent. $[\alpha]_D^{25}$ −212° (0.1M H_2SO_4).

Stephens, C.R. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 2643.
Martin, A.N. *et al*, *J. Pharm. Sci.*, 1971, **60**, 30, 576.

Amidantel, BAN, INN A-00190

N-[*4*-[[*1*-(*Dimethylamino*)*ethylidene*]*amino*]*phenyl*]-*2-methoxyacetamide*, *9CI*

[49745-00-8]



$C_{13}H_{19}N_3O_2$ M 249.312

Anthelmintic drug, used mainly as hydrochloride. Mp 87-88°.

▷AE2190000.

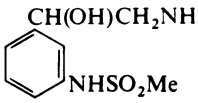
B,HCl: [69884-15-7]. *Bay d8815*. Mp 206-207°.

▷AB7880000.

Wollweker, H. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 31 (*synth, pharmacol*)
Qin, X. *et al*, *CA*, 1985, **103**, 123115 (*synth*)

Amidephrine, BAN A-00191

N-*3*-[*1-Hydroxy-2-(methylamino)ethyl*]-*phenylmethanesulfonamide*, *9CI*



$C_{10}H_{16}N_2O_3S$ M 244.308

(±)-***form*** [37571-84-9]

Adrenergic, vasoconstrictor, nasal decongestant. Mp 159-161°.

B,MeSO₃H: [1421-68-7]. *Amidephrine mesylate*, *USAN*. *Amidefrine mesilate*, *INN*. *Fentrinol. Nalde. Dricol. MJ 5190*. Cryst. (EtOH). Mp 207-209°.

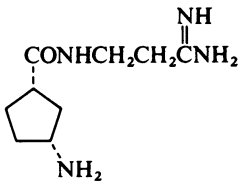
▷PB0870200.

Uloth, R.H. *et al*, *J. Med. Chem.*, 1966, **9**, 88 (*synth, pharmacol*)
Buchthal, A.B. *et al*, *Eur. J. Pharmacol.*, 1970, **10**, 293.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2043.

Amidinomycin **A-00192**

N-(*2-Amidinoethyl*)-*3-aminocyclopentanecarboxamide. Myxoviromycin*

[3572-60-9]



$C_9H_{18}N_4O$ M 198.267

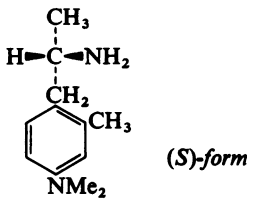
Prod. by *Streptomyces flavochromogenes*. Antifungal agent.

B,H_2SO_4: Plates or needles (MeOH aq.). Mp 285-288° dec. $[\alpha]_D^{21}$ −3.9° (c, 3 in H_2O).

Nakamura, S. *et al*, *Chem. Pharm. Bull.*, 1961, **9**, 641 (*synth, struct*)
Nakamura, S. *et al*, *J. Antibiot., Ser. A*, 1961, **14**, 103 (*isol, struct*)
Katsube, J. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 232 (*synth, ir, pmr*)
Allan, R.D. *et al*, *Aust. J. Chem.*, 1979, **32**, 2517 (*synth, struct*)
Kaneda, M. *et al*, *J. Antibiot.*, 1980, **33**, 778 (*abs config*)

Amiflamine, INN **A-00193**

4-(Dimethylamino)-α,2-dimethylbenzeneethanamine, 9CI. 4-(Dimethylamino)-α,2-dimethylphenethylamine. FLA 336



(*S*)-*form*

$C_{12}H_{20}N_2$ M 192.303

(*S*)-*form* [77518-07-1]

Antidepressant, monoamine oxidase inhibitor. $[\alpha]_D^{20}$ +33.7° (c, 2 in EtOH).

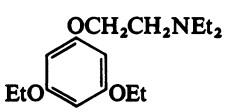
Hydrogen tartrate: [84257-38-5]. Mp 191-192°. $[\alpha]_D^{20}$ +27.2° (c, 0.1 in H_2O).

Florvall, L. *et al*, *J. Med. Chem.*, 1977, **21**, 56 (*synth, pharmacol*)
Fowler, C.J. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 403 (*pharmacol*)
Florvall, L. *et al*, *Acta Chem. Scand., Ser. B*, 1982, **36**, 141 (*synth, resoln*)
Hjerten, I. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 123 (*cryst struct*)

Amifloverine, INN **A-00194**

2-(3,5-Diethoxyphenoxy)-N,N-diethylethanamine, 9CI. 2-(3,5-Diethoxyphenoxy)triethylamine, 8CI

[54063-24-0]



$C_{16}H_{27}NO_3$ M 281.394

Antispasmodic, choleretic agent.

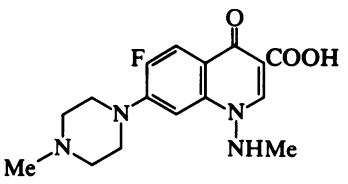
B,HCl: [30116-79-1]. Cryst. (2-propanol). Mp 122°.

Ger. Pat., 2 020 464, (*1970*); *CA*, **74**, 31650u (*synth, pharmacol*)

Amifloxacin, USAN, INN, BAN **A-00195**

6-Fluoro-1,4-dihydro-1-(methylamino)-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, 9CI. Win 49375

[86393-37-5]



$C_{16}H_{19}FN_4O_3$ M 334.350

Antibacterial agent. Cryst. (DMF). Mp 229-301° dec.

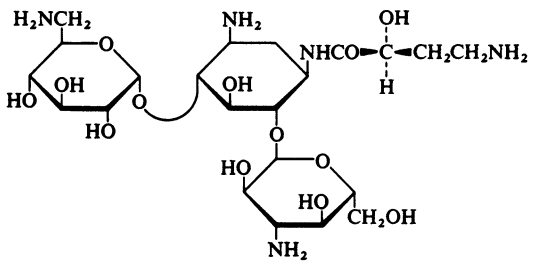
Mesylate: [88036-80-0]. *Amifloxacin mesylate, USAN. Et ester:* [88569-63-5]. Mp 255° dec. (as mesylate).

Japan. Pat., 84 5 901 468, (*1984*); *CA*, **100**, 191751m (*synth, deriv*)
Wentland, M.P. *et al*, *J. Med. Chem.*, 1984, **27**, 1103 (*synth, pharmacol*)
Chu, D.T., *J. Heterocycl. Chem.*, 1985, **22**, 1033 (*synth*)
Johnson, J.A. *et al*, *Antimicrob. Agents Chemother.*, 1985, **27**, 774 (*metab, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 310186.

Amikacin, BAN, INN **A-00196**

1-N-(4-Amino-2-hydroxybutyryl)kanamycin. BB-K8. Antibiotic BB-K8. Amikin. Other proprietary names

[37517-28-5]



$C_{22}H_{43}N_5O_{13}$ M 585.607

Aminoglycoside antibiotic. Semisynthetically derived from Kanamycin *A*. Shows antimicrobial activity incl. synergism with third-generation cephalosporins. Cryst. + $6H_2O$ (MeOH/2-propanol). Mp 203-204° dec. $[\alpha]_D^{23}$ +99° (c, 1 in H_2O).

▷WK1955000.

B,$2H_2SO_4$: [39831-55-5]. *Amikacin sulfate, USAN. Biklin. Novamin.* Amorph. Mp 220-230° dec. $[\alpha]_D^{22}$ +74° (H_2O).

▷WK1961200.

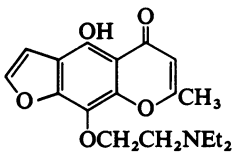
Naito, T. *et al*, *J. Antibiot.*, 1972, **25**, 695; 1973, **26**, 297; 1974, **27**, 851 (*synth*)
Price, K.E. *et al*, *J. Antibiot.*, 1972, **25**, 709 (*props*)
Kerridge, A., *Pharmacol. Biochem. Prop. Drug Subst.*, 1977, **1**, 125 (*rev, pharmacol*)
Cooper, A.B. *et al*, *J. Antibiot.*, 1978, **31**, 681 (*synth, use, pmr, cmr*)
Horii, S. *et al*, *Carbohydr. Res.*, 1978, **60**, 275 (*synth*)
Cron, M.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 266 (*synth*)
Jones, R.N. *et al*, *Antimicrob. Agents Chemother.*, 1982, **22**, 985 (*props*)
Monteleone, P.M. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 37 (*rev, synth, metab, anal*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6782.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 184.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 296.

Amikhelline, INN A-00197

9[2-(Diethylamino)ethoxy]-4-hydroxy-7-methyl-5H-furo[3,2-g][1]benzopyran-5-one, *9CI*, *8CI*. *Kellidrina. Neokellina. Nokhel*

[4439-67-2]



$C_{18}H_{21}NO_5$ M 331.368

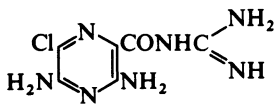
Spasmolytic agent, coronary vasodilator. Mp 96-98°.

Ansell, M.F. *et al*, *J. Chem. Soc.*, 1958, 3388 (*synth*)
Chemnitius, K.H. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 140 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12356.

Amiloride, BAN, INN A-00198

3,5-Diamino-N-(aminoiminomethyl)-6-chloropyrazinecarboxamide, *9CI*. *N-Amidino-3,5-diamino-6-chloropyrazinamide. Amipramidine. Amipramizide. Guanamprazine. Other proprietary names*

[2609-46-3]



$C_6H_8ClN_7O$ M 229.629

Potassium-sparing diuretic. Mp 240-241.5°.

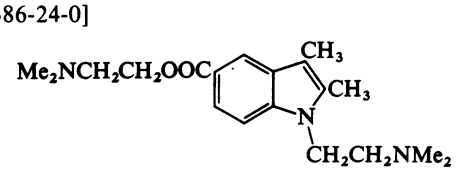
B,HCl: [2016-88-8]. *Amiloride hydrochloride*, *USAN*. Cryst. + $2H_2O$. Mp 285-288° dec. (293.5° anhydr.).

Cragoe, E.J. *et al*, *J. Med. Chem.*, 1967, **10**, 66 (*synth, pharmacol*)
Smith, R.L. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 191 (*pmr, cmr, N-15 nmr, tautom*)
Hyams, D.E., *Int. Congr. Symp. Ser.-R. Soc. Med.*, 1981, **44**, 65 (*rev*)
Laragh, J.H., *Curr. Ther. Res.*, 1982, **32**, 173 (*rev*)
Mazzo, D.J., *Anal. Profiles Drug Subst.*, 1986, **15**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 445 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2304.

Amindocate, INN A-00199

2-(Dimethylamino)ethyl 1-[2-(dimethylamino)ethyl]-2,3-dimethyl-1H-indole-5-carboxylate. Diamind. ALA 306

[31386-24-0]



$C_{19}H_{29}N_3O_2$ M 331.457

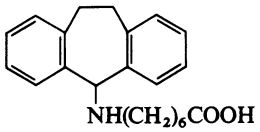
Thrombocyte-aggregating inhibiting agent; serotonin inhibitor.

Lakin, K.M. *et al*, *Farmakol. Toksikol. (Moscow)*, 1971, **34**, 155; *CA*, **75**, 18192x (*pharmacol*)

Amineptine, INN A-00200

7-[(10,11-Dihydro-5H-dibenzo[a,d]cycloheptan-5-yl)-amino]heptanoic acid

[57574-09-1]



$C_{22}H_{27}NO_2$ M 337.461

Psychotropic agent, antidepressant.

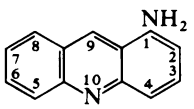
B,HCl: [30272-08-3]. *Maneon. Survector.* Mp 226-230°.

Malen, C.E. *et al*, *Experientia*, 1972, **28**, 811 (*pharmacol*)
Japan. Pat., 78 05 661, (*1978*); *CA*, **89**, 43155j (*synth*)
Reboul, J.P. *et al*, *Acta Crystallogr., Sect. B.*, 1982, **38**, 1489 (*cryst struct*)
Mocaer, E., *J. Psychiatr. Biol. Ther.*, 1984, **17**, 12 (*rev*)
Nicot, G. *et al*, *J. Chromatogr.*, 1984, **306**, 279 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12358.

1-Aminoacridine A-00201

1-Acridinamine, *9CI*

[578-06-3]



$C_{13}H_{10}N_2$ M 194.235

Yellow cryst. (EtOH aq.) (hydrate). Scarlet when dried. Mp 183° anhyd.

▷AR7200000.

Albert, A. *et al Chem. Ind.* (*London*), 1941, **60**, 122T (*synth*)
Albert, A., *The Acridines*, 1966, Edward Arnold Ltd, London, 2nd Ed., 288, 163 (*synth, tautom*)
Seiffert, W. *et al*, *Tetrahedron Lett.*, 1968, 5655 (*uv*)

2-Aminoacridine A-00202

2-Acridinamine, *9CI*

[581-28-2]

$C_{13}H_{10}N_2$ M 194.235

Has bactericidal props. Yellow solvated cryst. (EtOH). Spar. sol. Me_2CO, C_6H_6. Mp 213-214°.

▷AR7220000.

Albert, A. *et al*, *Chem. Ind.* (*London*), 1941, **60**, 122T (*synth*)
Albert, A., *The Acridines*, 1966, Edward Arnold Ltd., London, 2nd Ed., 163, 290 (*synth, tautom*)
Seiffert, W. *et al*, *Tetrahedron Lett.*, 1968, 5655 (*uv*)

3-Aminoacridine A-00203

3-Acridinamine, *9CI*

[581-29-3]

$C_{13}H_{10}N_2$ M 194.235

Bactericide. Yellow cryst. + solvent (EtOH aq.). Spar. sol. Me_2CO, C_6H_6. Mp 224° (dried).

▷AR7250000.

Albert, A. *et al*, *J. Chem. Soc.*, 1936, 1616.
Albert, A., *The Acridines*, 1966, Edward Arnold Ltd., London, 2nd Ed., 163, 290 (*synth, tautom*)
Seiffert, W. *et al*, *Tetrahedron Lett.*, 1968, 5655 (*uv*)

4-Aminoacridine A-00204

4-Acridinamine, 9CI

[578-07-4]

$C_{13}H_{10}N_2$ M 194.235

Bactericide. Reddish-brown cryst. (pet. ether). Mp 105-106°.

▷AR7270000.

B,HCl: Yellow cryst. (EtOH aq.). Mp 234° dec.

4-N-Me:

$C_{14}H_{12}N_2$ M 208.262

Orange prisms (pet. ether). Mp 75°.

4-N-Et: [23043-51-8].

$C_{15}H_{14}N_2$ M 222.289

Orange-red plates (pet. ether). Mp 65°.

4-N-Ac:

$C_{15}H_{12}N_2O$ M 236.273

Yellow cryst. (pet. ether). Mp 117°.

Albert, A. *et al, Chem. Ind. (London)*, 1941, **60**, 122T (*synth*)
Albert, A., *The Acridines*, 1966, Edward Arnold Ltd., London, 2nd Ed., 163, 291 (*synth, tautom*)
Seiffert, W. *et al, Tetrahedron Lett.*, 1968, 5655 (*uv*)

9-Aminoacridine A-00205

9-Acridinamine, 9CI. ms-*Aminoacridine.* ***Aminacrine, BAN.*** *Aminoacridine, INN*

[90-45-9]

$C_{13}H_{10}N_2$ M 194.235

A major antibacterial agent. Yellow cryst. (EtOH or Me_2CO). Mp 233° (anhyd. 240°).

▷AR7300000.

B,HCl: [134-50-9]. *Aminacrine hydrochloride, USAN. Acramidine. Acramine. Acriflex. Aminopt. Flavacrin. Microban. Minocrin. Monacrin. Mycosert. Quench. NSC 7571.* Antibacterial, antiinfective agent. Cryst. + $1H_2O$. Loses H_2O at 150°.

▷AR7350000.

9-N-Ac: [23043-52-9].

$C_{15}H_{12}N_2O$ M 236.273

Mp 268-269°.

▷AB4301000.

N,N'-Di-Ac:

$C_{17}H_{14}N_2O_2$ M 278.310

Mp 164° (dried).

9-N-p-Toluenesulphonyl: Mp 261-262°.

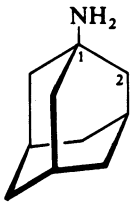
Cpd. with 4-hexyl-1,3-benzenediol: see 4-Hexyl-1,3-benzenediol, H-00071

Bacon, N. *et al, J. Chem. Soc.*, 1965, 5230 (*ir, tautom*)
Albert, A., *The Acridines*, 1966, Edward Arnold Ltd, London, 2nd Ed. (*synth, use*)
Griggs, B.G. *et al, Org. Magn. Reson.*, 1978, **11**, 81 (*cmr*)
Schmitz, J.P., *CA*, 1980, **93**, 215091 (*rev, props*)
Chaudhuri, S., *J. Chem. Soc., Chem. Commun.*, 1983, 1242 (*cryst struct*)
Vlassa, M. *et al, J. Prakt. Chem.*, 1985, **327**, 521 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2204.

1-Aminoadamantane A-00206

Tricyclo[3.3.1.1^{3,7}]decan-1-amine, 9CI. 1-Adamantanamine, 8CI. ***Amantadine, BAN, USAN, INN.*** *Midantan*

[768-94-5]



$C_{10}H_{17}N$ M 151.251

Antiviral agent; prophylactic drug for influenza. Also has antiparkinsonian props. Spar. sol. H_2O. Mp 180-192° subl. (sealed tube).

▷YD1925000.

B,HCl: [665-66-7]. *Amantadine hydrochloride, JAN, USAN. Symmetrel. NSC 83653. Numerous proprietary names.* Cryst. (EtOH/Et_2O). Sol. H_2O, EtOH, prac. insol. Et_2O. Mp >360° dec.

▷AU4375000.

Ac: [880-52-4].

$C_{12}H_{19}NO$ M 193.288

Cryst. (EtOH). Mp 149°.

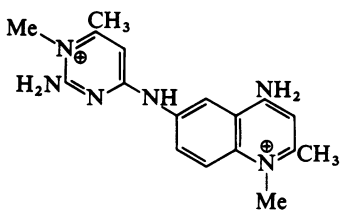
▷AB4308000.

Stetter, H. *et al, Angew. Chem.*, 1959, **71**, 429 (*synth*)
Stetter, H. *et al, Chem. Ber.*, 1960, **93**, 226 (*synth*)
Davies, W.L. *et al, Science*, 1964, **144**, 862 (*use*)
Fort, R.C. *et al, J. Org. Chem.*, 1965, **30**, 789 (*pmr*)
Kovacic, P. *et al, Tetrahedron Lett.*, 1968, 5833 (*synth*)
Schulman, J.L., *Handb. Exp. Pharmacol.*, 1982, **61**, 137 (*rev, pharmacol*)
Kirschbaum, J., *Anal. Profiles Drug Subst.*, 1983, **12**, 1 (*rev, synth, anal*)
Bélanger-Gariépy, F. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 756 (*cryst struct*)
Aoki, F.Y. *et al, Clin. Pharmacokinet.*, 1988, **14**, 35 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4542.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1735.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 136.

4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+), 9CI A-00207

4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1-methylquinaldinium, 8CI

[20493-41-8]



$C_{17}H_{22}N_6^{\oplus\oplus}$ M 310.401 (ion)

Trypanocide.

Dibromide: [3270-78-8].

$C_{17}H_{22}Br_2N_6$ M 470.209

Cryst. Mp 316°.

▷VC3510000.

Dichloride: [23609-65-6]. *Pyraldin.*

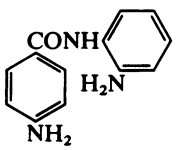
$C_{17}H_{22}Cl_2N_6$ M 381.307

Cryst. (H_2O). Mp 316-317° dec.
▷VC3505000.
Diiodide:
$C_{17}H_{22}I_2N_6$ M 564.210
Pale-cream cryst. (EtOH aq.). Mp 312-313°.
Bis(methyl sulfate): [3270-78-8]. ***Quinapyramine***. *Antrycide. Chinapyramin. M7555.*
$C_{19}H_{28}N_6O_8S_2$ M 532.586
Antitrypanosomal agent. Creamy-white cryst. (MeOH aq.). Freely sol. H_2O. Mp 265-266°.
▷VC3510000.

Curd, F.H.S. *et al*, *Br. J. Pharmacol.*, 1950, **5**, 25 (*synth, use*)
Ainley, A.D. *et al*, *J. Chem. Soc.*, 1953, 59 (*synth*)
Mansour, T.E. *et al*, *Drill's Pharmacol. Med., 4th Ed.*, 1971, 1808 (*rev*)
Malhotra, R.C. *et al*, *Res. Ind.*, 1976, **21**, 96 (*synth*)
Minelli, E.B. *et al*, *Ann. Trop. Med. Parasitol.*, 1981, **75**, 383 (*activity*)
Duch, D.S. *et al*, *Biochem. Pharmacol.*, 1984, **33**, 1547.

4-Amino-*N*-(2-aminophenyl)benzamide, 9CI A-00208

Dinalin, INN. *2',4-Diaminobenzanilide. AAPBA. Gö 1734. NSC 328786*
[58338-59-3]

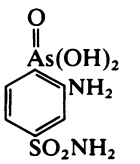


$C_{13}H_{13}N_3O$ M 227.265
Immunosuppressive, antineoplastic agent. Cryst. (EtOH). Mp 180-181°.
B,2HCl: [94617-81-9]. Cryst. (EtOH). Mp 340°.

Ger. Pat., 3 305 755, (*1984*); *CA*, **102**, 78585p (*synth, pharmacol*)
Berger, M.R. *et al*, *Cancer Treat. Rep.*, 1985, **69**, 1415 (*synth, pharmacol*)
Lelieveld, P. *et al*, *Cancer Chemother. Pharmacol.*, 1985, **15**, 88 (*pharmacol*)

[2-Amino-4-(aminosulfonyl)phenyl]arsonic acid, 9CI A-00209

2-Amino-4-sulfamoylbenzenearsonic acid. ***Sulfarside***. *Sulpharside. Bemarside. RP 4482*



$C_6H_9AsN_2O_5S$ M 296.129
Amoebicide. Used as Na salt.

U.S.P., 2 616 913, (*1953*); *CA*, **47**, 10003 (*synth, props*)

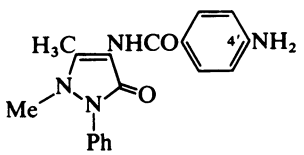
4-Aminobenzaldehyde, 9CI A-00210

[556-18-3]
C_7H_7NO M 121.138
Leaflets. Mp 71°. Polymerises readily under acidic conditions; the linear polymer is commercially available.
▷CU4400000.
Oxime: [3419-18-9].
$C_7H_8N_2O$ M 136.153
Yellow cryst. Mp 124°.
Phenylhydrazone: [19098-48-7]. Leaflets (EtOH). Mp 156° (175°).
2,4-Dinitrophenylhydrazone: Light-brown cryst. Mp 192.5-194.5° dec.
N-*Ac:* [122-85-0].
$C_9H_9NO_2$ M 163.176
Needles. Mp 155°.
N-*Me:* [556-21-8].
C_8H_9NO M 135.165
Plates (H_2O). Mp 60-61°.
N-*Et:*
$C_9H_{11}NO$ M 149.192
Needles (C_6H_6/ligroin). Mp 81-82°.
N,N-*Di-Et:* [120-21-8].
$C_{11}H_{15}NO$ M 177.246
Yellow needles (H_2O). Mp 41°. Bp_7 174°.
N-*Ac, thiosemicarbazone:* [104-06-3]. ***Thiacetazone, BAN***. *Thioacetazone, INN. Thioparamizone. Amithiozone. TBI/698.*
$C_{10}H_{12}N_4OS$ M 236.291
Antibacterial agent used in treatment of tuberculosis and leprosy.
▷AE3850000.

Org. Synth., Coll. Vol., **4**, 31 (*synth*)
Yamaguchi, I. *et al*, *Bull. Chem. Soc. Jpn.*, 1960, **33**, 1128 (*pmr*)
Lees, W.A. *et al*, Tet, 1963, **19**, 419 (*uv*)
Srivastava, M.P. *et al*, *Indian J. Pure Appl. Phys.*, 1972, **10**, 50 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7572.

4-(4'-Aminobenzamido)antipyrine A-00211

*4-Amino-*N*-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)benzamide, 9CI. Aminobenzamidophenazone. Benzapyrin*
[24891-21-2]

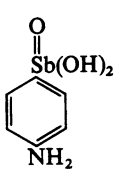


$C_{18}H_{18}N_4O_2$ M 322.366
Analgesic, antiinflammatory and antipyretic agent. Light-yellow cryst. Mp 280-282°.
B,HCl: [2908-74-9]. Mp 257°.
$N^{4'}$-*Ac:* Mp 303-304°.

Kulev, L.P. *et al*, *CA*, 1961, **55**, 517a (*synth*)
Semikolennyi, L.M. *et al*, *CA*, 1964, **60**, 9261 (*synth*)
Saratikov, A.S. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 855 (*pharmacol*)

4-Aminobenzenestibonic acid A-00212

(4-Aminophenyl)dihydroxystibine oxide. p-*Stibonoaniline.* p-*Aminophenylstibonic acid.* p-*Stibonobenzenamine.* p-*Aminophenylstibinic acid. Stibanilic acid*
[554-76-7]



$C_6H_8NO_3Sb$ M 263.884
Chemotherapeutic agent. Solid. Insol. and dec. by H_2O. Dec. on heating without melting.
▷CJ1330000.

N-*Ac:* [98-76-0]. ***4'-Stibinoacetanilide, 8CI***. p-*Acetamidobenzenestibonic acid. Azoule. Stibocetin. Stiberyl. Surmin.*
$C_8H_{10}NO_4Sb$ M 305.921
Antiprotozoal agent, employed as Na salt.
N,N-*Di-Me:* p-*Dimethylaminobenzenestibonic acid.*
$C_8H_{12}NO_3Sb$ M 291.938
White powder.
Compd. with Diethylamine (1:1): [5959-10-4]. ***Stibosamine, INN***. *Astaril. Ethylstibamine. Neostibosan (obsol.). Bayer 693.* Antiprotozoal agent. Light-yellow to yellow-brown powder.

Schmidt, H., *Angew. Chem.*, 1930, **43**, 963 (*Stibosamine*)
Dyson, G.M., *Recl. Trav. Chim. Pays-Bas*, 1938, **57**, 1016 (*derivs*)
Doak, G.O. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1987, 1989 (*synth*)

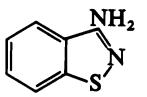
4-Aminobenzenesulfonic acid, 9CI A-00213

Aniline-p-sulfonic acid. Sulfanilic acid
[121-57-3]
$C_6H_7NO_3S$ M 173.186
Cryst. + $2H_2O$. pK_a 3.24 (25°). Also used as Zn salt, Sulfanilate zinc, USAN.
▷Emits highly toxic fumes on contact with acids or on heating to dec.
Me ester: [55034-26-9].
$C_7H_9NO_3S$ M 187.213
Mp 92°.
Amide: [63-74-1]. ***Sulfanilamide, INN***. *Sulfanilamide. Prontosil album. Numerous proprietary names.*
$C_6H_8N_2O_2S$ M 172.201
Antibacterial chiefly of historical importance. Numerous derivs. have antibacterial props. Leaflets (EtOH aq.). Sol. H_2O. Mp 165-166°. Can be diazotised.
▷WO8400000.
Chloride, N-*Ac:* [121-60-8]. N-*Acetylsulfanilyl chloride. Dagenan chloride.* p-*Acetamidobenzenesulfonyl chloride.*
$C_8H_8ClNO_3S$ M 233.669
Catalyst for Beckmann rearr. of oximes, etc. Mp 149°.
▷Irritant
N-*Me:* [24447-99-2]. *4-(Methylamino)benzenesulfonic acid.*
$C_7H_9NO_3S$ M 187.213
Plates (H_2O). Mp 244-245° dec.
N-*Me, amide:* [16891-79-5].
$C_7H_{10}N_2O_2S$ M 186.228
Plates (EtOH aq.). Mp 210-211°.
Amide, N-*Ac:* [144-80-9]. ***Sulfacetamide, INN***. *Albucid.*
$C_8H_{10}N_2O_3S$ M 214.239
Antibacterial, freq. employed as Na salt (Sulphacetamide sodium, BAN). Mp 181-184°.
▷AC8450000.
Amide, N-*benzoyl:* [127-71-9]. N-[(*4-Aminophenyl*)-*sulfonyl*]*benzamide*, *9CI*. N-*Sulfanilylbenzamide*, *8CI*. ***Sulfabenzamide, USAN, INN***. *Sulfabenzide.*
$C_{13}H_{12}N_2O_3S$ M 276.309
Antibacterial. Sol. H_2O. Mp 181.2-182.3°. pK_a 4.57.
▷CV5802500.
N-*Et:* [42293-35-6].
$C_8H_{11}NO_3S$ M 201.240
Cryst. (H_2O). Mp 258°.
N-*Di-Me:* [121-58-4].
$C_8H_{11}NO_3S$ M 201.240
Cryst. + $1H_2O$ (H_2O). Mp 270-271°.
▷WP3899000.

Gelmo, H., *J. Prakt. Chem.*, 1908, **77**, 369 (*synth*)
Org. Synth. Coll. Vol., **1**, 8 (*deriv*)
Northey, E.H., *Chem. Rev.*, 1940, **27**, 85 (*rev, deriv*)
Fierz-David, H.E. *et al*, *Helv. Chim. Acta*, 1946, **29**, 1718 (*derivs*)
Perrot, R., *Bull. Soc. Chim. Fr.*, 1951, 278 (*deriv*)
Alleaume, M. *et al*, *Acta Crystallogr., Sect. B*, 1968, **24**, 214 (*Sulfanilamide, cryst struct*)
Roeges, N., *J. Chem. Educ.*, 1968, **45**, 121 (*synth*)
Rambaud, J. *et al*, *Bull. Soc. Chim. Fr.*, 1980, 51 (*Sulfabenzamide, cryst struct*)
Bult, A., *Pharm. Weekbl.*, 1981, **3**, 213; 1983, **5**, 77 (*deriv, cmr, tautom*)
Bult, A., *Met. Ions Biol. Syst.*, 1983, **16**, 261 (*derivs*)
Pomerantz, M. *et al*, *J. Org. Chem.*, 1987, **52**, 159 (*cmr, N-15 nmr*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 3 (*use, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4915, 4947.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 436, 451, 916 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 999.

3-Amino-1,2-benzisothiazole A-00214

1,2-Benzisothiazol-3-amine, *9CI*
[23031-78-9]

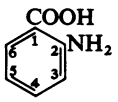


$C_7H_6N_2S$ M 150.198
Needles (H_2O). Spar. sol. cold H_2O, v. sol. hot. Mp 115°.
N-*Me:*
$C_8H_8N_2S$ M 164.225
Mp 93°.
N-*Me; B,HCl:* Cryst. (EtOH). Mp 220°.
N-*Et:* [7716-60-1]. *3-(Ethylamino)-1,2-benzisothiazole.* ***Etisazole, BAN, INN***. *Ectimar. Netrosylla. Bay Va 9387.*
$C_9H_{10}N_2S$ M 178.251
Veterinary fungicide. Mp 78°.
N-*Et; B,HCl:* Cryst. (EtOH). Mp 171°.
N-*Ph:*
$C_{13}H_{10}N_2S$ M 226.295
Mp 99°.

Stollé, R., *Ber.*, 1925, **58**, 2095 (*synth*)
Boeshagen, H., *Chem. Ber.*, 1966, **99**, 2566 (*derivs*)

2-Aminobenzoic acid, 9CI A-00215

Anthranilic acid, *8CI*
[118-92-3]



$C_7H_7NO_2$ M 137.138
An important intermed. in the synth. of many compds., corrosion inhibitor for metals. Leaflets. Sol. H_2O. Mp 144-148°. pK_{a1} 4.97 (25°), pK_{a2} 9.14 (25°). Sublimes, triboluminescent.
▷Mod. toxic orally. CB2450000.
B,HCl: [2099-63-0]. Mp 193-194°.
Me ester: [134-20-3].
$C_8H_9NO_2$ M 151.165

Found in essential oils, including bergamot, jasmine, ylang-ylang and neroli. Used in perfumery as artificial orange blossom fragrance, also employed extensively in the form of its Schiff's bases (e.g. with Hydroxycitronellal). Cryst. $d_4^{18.6}$ 1.168. Mp 24-25°. Bp_{15} 133.5°. pK_a 11.77 (25°). Steam-volatile.

▷CB3325000.

Et ester: [87-25-2].
$C_9H_{11}NO_2$ M 165.191
d_4^{20} 1.117. Mp 13°. Bp 266-268°, Bp_{15} 145-147°.

▷DG2448000.

Ph ester: [10268-69-6].
$C_{13}H_{11}NO_2$ M 213.235
Needles (EtOH). Mp 70°.

Amide: [88-68-6]. *2-Aminobenzamide. Anthranilamide.*
$C_7H_8N_2O$ M 136.153
Leaflets. Mp 109-111.5° dec.
$C_7H_6N_2$ M 118.138

Anilide:
$C_{13}H_{12}N_2O$ M 212.251
Needles (C_6H_6). Mp 131° (126°).

N-*Me:*
$C_8H_9NO_2$ M 151.165
Plates (EtOH). Mp 175-182°.

N-*Formyl: 2-Formamidobenzoic acid.*
$C_8H_7NO_3$ M 165.148
Needles + $\frac{1}{2}H_2O$. Mp 169°.

N-*Et:* [89-50-9].
$C_9H_{11}NO_2$ M 165.191
Needles (EtOH aq.). Mp 153-154°. Blue fluor. in EtOH or H_2O.

N-*Di-Et:* [18624-52-7].
$C_{11}H_{15}NO_2$ M 193.245
Mp 120-121°.

N-*Ac: 2-Acetamidobenzoic acid.*
$C_9H_9NO_3$ M 179.175
Cryst. (EtOAc). Mp 182-184°.

N-*Benzoyl:* [579-93-1]. *2-Benzamidobenzoic acid.*
$C_{14}H_{11}NO_3$ M 241.246
Needles. Mp 181°.

N-(*2-Phenylethyl*): *see Enfenamic acid, E-00054*

▷*DH6286100.*

Smith, P.A.S., *J. Am. Chem. Soc.*, 1954, **76**, 431.
Dhaneshwar, N.N. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 647 (*cryst struct*)
Sutamihardja, T.M. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 2694.
Aldrich Library of NMR Spectra, 1974, **6**, 144D (*pmr*)
Aldrich Library of IR Spectra, 1975, 2nd Ed., 838G (*ir*)
Errede, L.A., *J. Org. Chem.*, 1976, **41**, 1763 (*synth*)
Boone, C.D.G. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 3205 (*cryst struct*)
Dougherty, C.J., *J. Chem. Educ.*, 1977, **54**, 643 (*synth*)
Pedersen, E.B., *Tetrahedron*, 1977, **33**, 217 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 382.

4-Aminobenzoic acid, 9CI **A-00216**

Vitamin H'. PABA

[150-13-0]

$C_7H_7NO_2$ M 137.138

Reagent for characterisation of aldoses. Used as a growth factor, an antirickettsial and as a sunscreen agent. Prisms. Mp 188-188.5°. pK_{a1} 4.92, pK_{a2} 2.36 (25°, H_2O).

▷Mod. toxic. DG1400000.

N-*Di-Me:* [619-84-1].
$C_9H_{11}NO_2$ M 165.191
Needles (EtOH). Mp 242.5-243.5°.

▷DG8735000.

N-*Et:* [7409-09-8].
$C_9H_{11}NO_2$ M 165.191
Cryst. (C_6H_6). Mp 178-179°.

N-*Di-Et:* [5429-28-7].
$C_{11}H_{15}NO_2$ M 193.245
Leaflets (EtOH). Mp 193°.

N-*Ac:* [556-08-1]. ***Acedoben, INN.***
$C_9H_9NO_3$ M 179.175
Tuberculostatic agent. Needles. Mp 256.5°.

N-*Benzoyl:* [582-80-9].
$C_{14}H_{11}NO_3$ M 241.246
Needles (EtOH). Mp 278°.

Me ester: [619-45-4].
$C_8H_9NO_2$ M 151.165
Leaflets (EtOH aq.). Mp 112°.

Et ester: [94-09-7]. ***Benzocaine***. *Numerous proprietary names.*
$C_9H_{11}NO_2$ M 165.191
Local anaesthetic. Needles (EtOH). Mp 92°. Bp_{14} 183-184°.

▷Highly toxic (oral), mild sensitiser. DG2450000.

Chloride:
C_7H_6ClNO M 155.584
Yellow cryst. Mp 31°. Bp_{12} 120°.

Amide:
$C_7H_8N_2O$ M 136.153
Light-yellow cryst. + $\frac{1}{2}H_2O$. Mp 183°.

N-*Butyl:* [4740-24-3]. Needles (EtOH). Mp 150-151°.

N-*Butyl, diethylaminoethyl ester:* [3772-42-7]. *Farmocaine. Pharmocaine. Depolipon. Farmodent. T-cain. Teecaine.*
$C_{17}H_{28}N_2O_2$ M 292.420
Local anaesthetic. Mp 154-156°. Used as hydrochloride.

▷DG4712000.

N-*Hexadecyl:* [55986-43-1]. ***Cetaben, USAN***. *CL 203821. PHB.*
$C_{23}H_{39}NO_2$ M 361.567
Antihyperproteinaemic, antiatherosclerotic. Used as sodium salt (Cetaben sodium, USAN).

Butyl ester: [94-25-7]. ***Butamben, USAN***. *Butesin. Butoforme. Butylcaine. Planoform. Scuroform. Abbott 34842.*
$C_{11}H_{15}NO_2$ M 193.245
Topical anaesthetic. Mp 57-59°. Bp_8 174°.

▷DG1530000.

Butyl ester, picrate: [577-48-0]. *Butamben picrate, USAN. Butesin picrate.*

2-Methylpropyl ester: [94-14-4]. *Isobutoform. Isobutylcaine. Benzamelid. Cicloforme. Cyclocaine. Cyclogesin.*
$C_{11}H_{15}NO_2$ M 193.245
Topical anaesthetic.

▷DG2955000.

Propyl ester: [94-12-2]. ***Risocaine, INN, USAN***. *NSC 23516.*
$C_{10}H_{13}NO_2$ M 179.218
Local anaesthetic.

▷DG3090000.

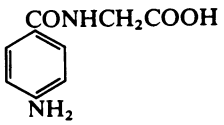
Kremer, C.B., *J. Chem. Educ.*, 1956, **33**, 71 (*synth*)

Buechi, J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1657 (*derivs, pharmacol*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 791 (*derivs*)
Yalkensky, S.H. *et al*, *J. Pharm. Sci.*, 1972, **61**, 852; 1974, **63**, 691 (*Butainben*)
Albright, J.D. *et al*, *J. Med. Chem.*, 1983, **26**, 1378, 1393, 1411 (*Cetaben*)
Ali, S.L., *Anal. Profiles Drug Subst.*, 1983, **12**, 73 (*Benzocaine*)
Gasparro, F.P., *Photodermatology*, 1986, **3**, 6 (*rev*)
Aldrich Library of IR Spectra, 2nd Ed., 842D (*ir*)
Aldrich Library of NMR Spectra, **6**, 151c (*pmr*)
Sadtler Standard C-13 NMR Spectra, 6429 (*cmr*)
Sadtler Standard Ultraviolet Spectra, 15745 (*uv*)
Registry of Mass Spectral Data, Wiley-Interscience, 290 (*ms*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 24.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 662, 1216 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7600, 7613, 7871.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 379.

N-(4-Aminobenzoyl)glycine, 9CI A-00217

Aminohippuric acid, USAN. *Nefrotest. Nephrotest. Renotest. PAHA*

[61-78-9]



$C_9H_{10}N_2O_3$ M 194.190

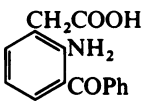
Diagnostic aid (renal function determ.). Needles (H_2O). Mp 198-199°. Also used as Na salt (Aminohippurate sodium, USAN).

Shimizu, M. *et al*, *J. Pharm. Soc. Japan*, 1953, **73**, 523 (*synth*)
Baker, B.R. *et al*, *J. Pharm. Sci.*, 1966, **55**, 295 (*synth*)
Tanner, G.A. *et al*, *Am. J. Physiol.*, 1966, **210**, 221, 760 (*metab*)
DiGregorio, G.J., *Drill's Pharmacol. Med., 4th Ed.*, 1971, 1851 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2122.

(2-Amino-3-benzoylphenyl)acetic acid A-00218

2-Amino-3-benzoylbenzeneacetic acid, 9CI. ***Amfenac, BAN, INN***

[51579-82-9]



$C_{15}H_{13}NO_3$ M 255.273

Antiinflammatory drug. Mp 121-123° dec. Used as Na salt.

▷CY1575090.

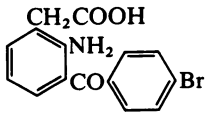
Na salt: [61941-56-8]. *Amfenac sodium, USAN. Fenamate. Fenazox. AHR 5850D.* Yellow cryst. Mp 254-255.5°.

Welstead, W.J. *et al*, *J. Med. Chem.*, 1979, **22**, 1074 (*synth, pharmacol*)
Walsh, D.A. *et al*, *J. Med. Chem.*, 1984, **27**, 1379 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12354.

[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid A-00219

2-Amino-3-(4-bromobenzoyl)benzeneacetic acid, 9CI. ***Bromfenac, INN***

[91714-94-2]



$C_{15}H_{12}BrNO_3$ M 334.169

Analgesic, antiinflammatory agent.

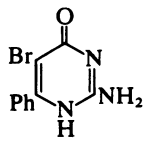
Na salt: [91714-93-1]. *Bromfenac sodium, USAN. AHR 10282.* Cryst. (EtOH aq.). Mp 285°.

Walsh, D.A. *et al*, *J. Med. Chem.*, 1984, **27**, 1379 (*synth, pharmacol*)
Sancilio, L.F. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 513 (*pharmacol*)

2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, 9CI A-00220

Bropirimine, INN, USAN. *ABPP. U 54461*

[56741-95-8]



$C_{10}H_8BrN_3O$ M 266.097

Antineoplastic and antiviral agent, interferon inducer. Cryst. (EtOH aq.). Mp 268-270° (246-248°).

Brown, T.B. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 1023 (*synth*)
Wynalda, M.A. *et al*, *Anal. Chem.*, 1980, **52**, 1931 (*hplc*)
Stringfellow, D.A., *Prog. Cancer Res. Ther.*, 1981, **16**, 215 (*pharmacol*)
Skulnick, H.I. *et al*, *J. Med. Chem.*, 1985, **28**, 1864 (*synth, pharmacol*)

4-Aminobutanoic acid, 9CI A-00221

γ-Aminobutyric acid. Piperidinic acid. GABA

[56-12-2]

$H_2NCH_2CH_2CH_2COOH$

$C_4H_9NO_2$ M 103.121

Widely distributed in higher plants. The natural inhibitory tramsmitter at synaptic junctions in some regions of the mammalian brain and spinal cord. Prisms (EtOH). Mp 203° dec.

▷ES6300000.

B,HCl: Mp 135-136°.

Et ester:
$C_6H_{13}NO_2$ M 131.174
Bp_{12} 75-77°.

Et ester; B,HCl: Mp 65-72°. Hygroscopic.

N-*Ac:* [3025-96-5].
$C_6H_{11}NO_3$ M 145.158
Mp 129-131°.
▷ES5610000.

N-*Ac; B,HCl:* Mp 133°.

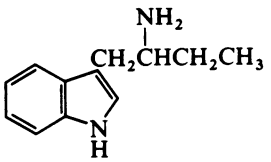
N-*Me:* [1119-48-8].
$C_5H_{11}NO_2$ M 117.147
Cryst. Mp 151.5-153°.

N-*Di-Me:* [693-11-8]. *4-Dimethylaminobutanoic acid.*
$C_6H_{13}NO_2$ M 131.174

Mp 102-104°. Bp_{10} 135-137°.
N-*Di-Me; B,HCl:* Mp 145-147°.
N-*Di-Me, Me ester:* [22041-22-1].
$C_7H_{15}NO_2$ M 145.201
Sol. H_2O. Mp 171.5-173°.
N-*Tri-Me, Me ester: see Carpronium(1+), C-00100*
Org. Synth., Coll. Vol., **2**, 25 (*synth*)
Synge, R.L.M., *Biochem. J.*, 1951, **48**, 429 (*isol*)
Thompson, J.F. *et al*, *Arch. Biochem. Biophys.*, 1953, **46**, 248 (*synth*)
Reppe, W. *et al*, *Justus Liebigs Ann. Chem.*, 1955, **596**, 158 (*derivs*)
Steward, E.G. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2038, 2825 (*cryst struct*)
Tomita, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 2199 (*cryst struct*)
Terano, S. *et al*, *Phytochemistry*, 1978, **17**, 550 (*biosynth*)
Krogsgaard-Larsen, P. *et al*, *Gaba-Neuro-Transmitters*, Academic Press, N.Y. 1979 (*book*)
Battersby, A.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 455 (*biosynth*)
Meldrum, B., *Clin. Neuropharmacol.*, 1982, **5**, 293.
Weber, H.P. *et al*, *Acta Crystallogr., Sect. B*, 1983, **39**, 360 (*cryst struct*)
Galakatos, N.G. *et al*, *J. Org. Chem.*, 1985, **50**, 1302 (*deriv, synth, pmr*)
De Feudis, F.V., *Drugs of Today*, 1986, **22**, 563 (*rev*)
Roberts, E., *Recept. Biochem. Methodol.*, 1986, **5**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 223 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12359.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2236.

3-(2-Aminobutyl)indole A-00222

Etryptamine, BAN, INN. *α-Ethyltryptamine*
[2235-90-7]



$C_{12}H_{16}N_2$ M 188.272
▷NL3700000.

(±)-*form*
Antidepressant. CNS stimulant. Mp 97-99°.
B,HCl: [26330-11-0]. Mp 215.5-218°.
B,AcOH: [118-68-3]. *Etryptamine acetate, USAN. Monase. NSC 63963. U 17312*E. Mp 165-166°.
▷NL3850000.

Heinzelman, R.V. *et al*, *J. Org. Chem.*, 1960, **25**, 1548 (*synth*)
B.P., 933 786, (*1963*); *CA*, **60**, 1705 (*synth*)
Cerletti, A. *et al*, *Adv. Pharmacol.*, 1968, **6**, 233 (*pharmacol*)

3-Amino-2-chlorobenzoic acid, 9CI, 8CI A-00223

$C_7H_6ClNO_2$ M 171.583
Mp 160-161°.
Me ester; B,HCl: [53553-15-4].
$C_8H_8ClNO_2$ M 185.610
Displays anticholesteremic activity.
N-*Ac:*
$C_9H_8ClNO_3$ M 213.620
Mp 207°.

Bamberger, E., *Ber.*, 1902, **35**, 3702 (*synth*)
Ger. Pat., 2 363 786, (*1974*); *CA*, **81**, 120229 (*synth, use*)

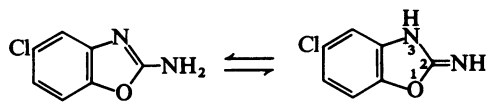
3-Amino-4-chlorobenzoic acid, 9CI, 8CI A-00224

[2840-28-0]
$C_7H_6ClNO_2$ M 171.583
Has herbicidal props. Needles. Mp 212-215°.
Me ester: [40872-87-5].
$C_8H_8ClNO_2$ M 185.610
Mp 82-83°.
N-*Ac:*
$C_9H_8ClNO_3$ M 213.620
Mp 265°.
2-(Dimethylamino)ethyl ester: [13930-34-2]. ***Clormecaine, INN.*** *Rec 1/0060.*
$C_{11}H_{15}ClN_2O_2$ M 242.705
Local anaesthetic. Mp 171-173°.

Da Re, P. *et al*, *Farmaco, Ed. Sci.*, 1958, **13**, 574 (*synth, clormecaine*)
Setnikar, I. *et al*, *Boll. Chim. Farm.*, 1958, **97**, 457 (*pharmacol*)
Mehta, V.K. *et al*, *J. Indian Chem. Soc.*, 1959, **36**, 99 (*synth*)
Filleux-Blanchard, M.C. *et al*, *Org. Magn. Reson.*, 1973, **5**, 221 (*nmr*)
Baruffini, A. *et al*, *CA*, 1978, **89**, 1598 (*use*)

2-Amino-5-chlorobenzoxazole A-00225

5-Chloro-2-benzoxazolamine, 9CI. ***Zoxazolamine, BAN, INN.*** *Contrazole. Deflexol. Flexin. Miazol. Uri-Boi. Zoxamine. Zoxine. McN 485*
[61-80-3]



$C_7H_5ClN_2O$ M 168.582
▷DM4550000.

Amino-form
Muscle relaxant. Plates (EtOH aq.). Mp 182-183° (185-186°).
B,HCl: Needles. Mp 229° dec.
2-N-*Benzoyl:*
$C_{14}H_9ClN_2O_2$ M 272.690
Cryst. (Me_2CO). Mp 213°.
2-N-*Ethoxycarbonyl:*
$C_{10}H_9ClN_2O_3$ M 240.646
Cryst. (EtOH). Mp 238° dec.
2-N-*Ph:* [79558-94-4]. *2-Anilino-5-chlorobenzoxazole.*
$C_{13}H_9ClN_2O$ M 244.680
Mp 212-213°.
2-N-*Benzyl:* [78749-89-0].
$C_{14}H_{11}ClN_2O$ M 258.707
Mp 156-158° (136-139°).

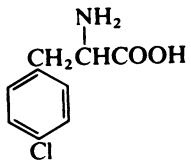
Imino-form
2-N-*benzyl, 3-Me:* [94058-86-3].
$C_{15}H_{13}ClN_2O$ M 272.734
Mp 58-60°.
2(N),3-*Dibenzyl:*
$C_{21}H_{17}ClN_2O$ M 348.831
Mp 100-101°.

Nagano, T. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2770 (*synth*)
U.S.P., 2 890 985, (*1959*); *CA*, **53**, 17441 (*use, synth*)
Harsanyi, K. *et al*, *Ann. Chim. (Rome)*, 1964, **54**, 1060 (*synth, derivs*)
Tanabe, M. *et al*, *J. Med. Chem.*, 1970, **13**, 30 (*pharmacol*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 680 (*ms*)
Bonardi, G. *et al*, *Pharmacol. Res. Commun.*, 1973, **5**, 125 (*pharmacol*)
Yamato, M. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 3053 (*derivs*)

2-Amino-3-(4-chlorophenyl)propanoic acid A-00226

p-Chlorophenylalanine

[14173-39-8]



$C_9H_{10}ClNO_2$ M 199.637

(±)-*form* [7424-00-2]

***Fenclonine*, USAN, INN.** *NSC 77370. CP 10188*

Serotonin inhibitor; causes serotonin depletion in brain by binding irreversibly to tryptophan hydroxylase. Cryst. (MeOH aq.). Mp 238-240°. Dec. with yellowing from 223°.

▷AY4390010.

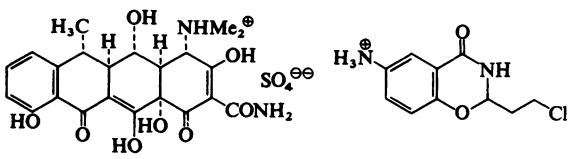
N-*Benzoyl:* Mp 175.5-176.5° (171-172°).

Cleland, G.H., *J. Org. Chem.*, 1961, **26**, 3362 (*synth*)
de Breyer, J. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 2140 (*pharmacol*)
Weissman, A. *et al*, *Ann. Rep. Med. Chem.*, 1972, **7**, 47 (*rev*)
Houghton, R.A. *et al*, *J. Med. Chem.*, 1974, **17**, 556 (*synth*)
Beattie, C.W. *et al*, *J. Med. Chem.*, 1975, **18**, 1247 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12736.

Aminochlorthenoxycycline A-00227

Singletin

[40910-00-7]



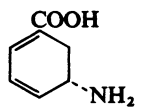
$C_{32}H_{37}ClN_4O_{14}S$ M 769.176

Semisynthetic tetracycline antibiotic. Used clinically as antimicrobial and antiinflammatory agent. Cryst. Mp 225-230°.

Fr. Pat., 1 479 004, (*1967*); *CA*, **68**, 78297 (*synth*)

5-Amino-1,3-cyclohexadiene-1-carboxylic acid, 9CI A-00228

Gabaculine



(*S*)-*form*

$C_7H_9NO_2$ M 139.154

Amino acid antibiotic.

(*S*)-*form* [59556-29-5]

Prod. by *Streptomyces toyocaensis*. γ-Aminobutyrate aminotransferase inhibitor. Amorph. powder. $[\alpha]_D$ −454° (c, 1 in H_2O).

▷GU4760000.

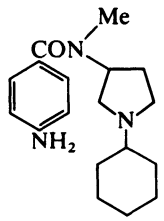
(±)-*form* [59556-18-2]

Mp 196-197°.

Kobayashi, K. *et al*, *Tetrahedron Lett.*, 1976, 537 (*isol, spectra, synth*)
Singer, S.P. *et al*, *J. Org. Chem.*, 1978, **43**, 1448 (*synth*)
Francois, J.-P. *et al*, *Synth. Commun.*, 1979, **9**, 741 (*synth*)
Trost, B.M. *et al*, *J. Org. Chem.*, 1979, **44**, 3451 (*synth*)
Palfreyman, M.G. *et al*, *Biochem. Pharmacol.*, 1981, **30**, 817 (*rev, pharmacol*)
Loescher, W., *Arch. Int. Pharmacodyn. Ther.*, 1982, **257**, 32 (*pharmacol*)
Bandara, B.M.R. *et al*, *J. Org. Chem.*, 1984, **49**, 2496 (*synth*)
Fráter, G. *et al*, *Tetrahedron Lett.*, 1984, **25**, 281 (*synth*)
Hiemstra, H. *et al*, *Tetrahedron Lett.*, 1986, **27**, 1411 (*synth, bibl*)

4-Amino-*N*-(1-cyclohexyl-3-pyrrolidinyl)-*N*-methylbenzamide, 9CI A-00229

[50733-99-8]



$C_{18}H_{27}N_3O$ M 301.431

Antiemetic.

Fumarate (1:1): [63307-61-9]. *Votracon. AHR 5645B.*

Cyclohexanesulfamate: Cryst. (2-propanol/isopropyl ether). Mp 196-199°.

U.S.P., 3 966 957, (*1976*); *CA*, **85**, 104205 (*synth, pharmacol*)
Narcisse, G. *et al*, *Therapie*, 1977, **32**, 121 (*pharmacol*)

1-Aminocyclopentanecarboxylic acid, 9CI, 8CI A-00230

Cycloleucine. CB 1639. NSC 1026. WR 14997

[52-52-8]



$C_6H_{11}NO_2$ M 129.158

Antineoplastic and antimalarial agent. Prisms. Mp 328-329°.

▷GY2625000.

N-*Ac:*

$C_8H_{13}NO_3$ M 171.196

Needles (EtOH/pet. ether). Mp 195-197°.

Me ester; B,HCl:

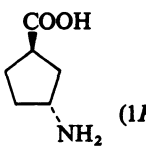
$C_7H_{13}NO_2$ M 143.185

Needles. Mp 207-208° dec.

Connors, T.A. *et al*, *J. Chem. Soc.*, 1960, 2119 (*synth*)
Netherlands Pat., 6 607 754, (*1966*); *CA*, **67**, 73159 (*manuf*)
Blau, K., *Lect. Gas Chromatogr.-1966*, (*Mattick, L.R., Ed.*), 1967, Plenum Press, N.Y., 183 (*glc*)
Coulter, A.W. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 105 (*ms*)
Zand, R. *et al*, *J.. Neurochem.*, 1974, **23**, 1201 (*synth*)
Varughese, K.I. *et al*, *Cryst. Struct. Commun.*, 1978, **7**, 149 (*cryst struct*)
O'Donnell, M.J. *et al*, *Synthesis*, 1984, 127 (*synth*)
Kalvin, D. *et al*, *Synth. Commun.*, 1985, **15**, 267 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 208.

3-Aminocyclopentanecarboxylic acid, 9CI, 8CI A-00231

Cyclopentaminine



(1*RS*,3*RS*)-*form*

$C_6H_{11}NO_2$ M 129.158

(*1R,3R*)-*form* [71869-43-7]
(−)-trans-*form*
Potent inhibitor of GABA uptake. Mp 253-256° dec. $[\alpha]_D$ −22.3°.

(*1S,3S*)-*form* [71376-02-8]
(+)-trans-*form*
Potent inhibitor of GABA binding. Mp 264-266° dec. $[\alpha]_D$ +23.1°.
N-*Phthalimido:* Mp 174-175°. $[\alpha]_D$ +31.4°.

(*1R,3S*)-*form* [71830-08-5]
(−)-cis-*form*
Degradn. prod. of Amidinomycin. Weak GABA inhibitor. Mp 250-255° dec. $[\alpha]_D^{20}$ −7° (c, 1 in H_2O).

(*1S,3R*)-*form* [71830-07-4]
(+)-cis-*form*
Potent inhibitor of both GABA uptake and binding. Mp 240-250° dec. $[\alpha]_D^{20}$ +6° (c, 1 in H_2O).

(*1RS,3RS*)-*form* [19297-28-0]
(±)-trans-*form*
Mp 235-236°.

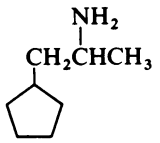
(*1RS,3SR*)-*form* [19042-34-3]
(±)-cis-*form*
Mp 242-244°.
B,HCl: Cryst. (MeOH/EtOH/Et_2O). Mp 145-146°.

Berger, H. *et al, Chem. Ber.*, 1968, **101**, 1525 (*synth*)
Allan, R.D. *et al, Aust. J. Chem.*, 1986, **39**, 855 (*synth, ir, pmr*)

2-Amino-1-cyclopentylpropane A-00232

α-Methylcyclopentaneethanamine, 9CI. *1-Cyclopentyl-2-propylamine*

[105-23-7]



$C_8H_{17}N$ M 127.229
Stereochem. undefined. Oil. Bp_{18} 61°.

N-*Me:* [102-45-4]. N,α-*Dimethylcyclopentaneethanamine,* 9CI. **Cyclopentamine, BAN, INN.** *1-Cyclopentyl-2-methylaminopropane. Clopane. Cyclonarol. Cyklosan. Nazett. Sinos-active substance. L 02040.*
$C_9H_{19}N$ M 141.256
Ophthalmic adrenergic agent and vasoconstrictor. Bp 169-173°, Bp_{30} 83-86°. pK_a 4.91. n_D^{25} 1.4500.
▷KR3516000.

N-*Me; B,HCl:* [3459-06-1]. *Cyclopentamine hydrochloride, USAN.* Cryst. with bitter taste. Sol. H_2O. Mp 113-115°.

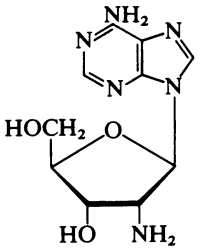
N-*Di-Me: 1-Cyclopentyl-2-dimethylaminopropane.*
$C_{10}H_{21}N$ M 155.283
Bp_{18} 86°.

U.S.P., 2 520 015, (*1951*); *CA*, **45**, 647 (*deriv*)
Graber, G.M. *et al, Arch. Int. Pharmacodyn.*, 1957, **113**, 27 (*use, deriv*)
Mousseron, M. *et al, Bull. Soc. Chim. Fr.*, 1957, 600 (*synth*)
Sunshine, I. *et al, J. Forensic Sci.*, 1966, **11**, 428 (*tlc, deriv*)
Ghouri, M.S.K. *et al, J. Pharm. Sci.*, 1968, **58**, 882 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2050 (*Cyclopentamine*)

2′-Amino-2′-deoxyadenosine, 9CI A-00233

9-(2-Amino-2-deoxy-β-D-ribofuranosyl)adenine. 2-AA. SA 4427

[10414-81-0]



$C_{10}H_{14}N_6O_3$ M 266.259
Nucleoside antibiotic. Prod. by *Actinomadura* sp. SA-4427 and an actinomycete. Antiviral, antineoplastic and antimycoplasmal agent. Cryst. Mp 197-198° (190-191°). $[\alpha]_D^{24}$ −67° (c, 1.0 in MeOH). λ_{max} 262 nm (ε 14 700) (H_2O).

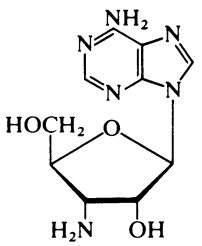
[*6-N,3′,5′-Tri-Ac, 2′-N-(2,4-dinitrophenyl)*], *picrate:* Mp 178-180°. Bp −163° (c, 1.2 in Me_2CO).

Ikehara, M. *et al, Tetrahedron*, j1978, **34**, 1133 (*synth, bibl*)
Imazawa, M. *et al, J. Org. Chem.*, 1979, **44**, 2039 (*synth, bibl*)
Iwai, Y. *et al, J. Antibiot.*, 1979, **32**, 1367 (*isol, props*)
Klimke, G. *et al, Z. Naturforsch., C*, 1979, **34**, 1075 (*conformn*)
Okawa, N. *et al, Agric. Biol. Chem.*, 1980, **44**, 1671 (*isol, props*)
Morisawa, H. *et al, Chem. Pharm. Bull.*, 1981, **29**, 3191 (*synth, bibl*)
Uesugi, S. *et al, Chem. Pharm. Bull.*, 1981, **29**, 2199 (*cmr*)
Ikehara, M., *Heterocycles*, 1984, **21**, 75 (*conformn, props*)

3′-Amino-3′-deoxyadenosine, 9CI, 8CI A-00234

9-(3-Amino-3-deoxy-β-D-ribofuranosyl)adenine

[2504-55-4]



$C_{10}H_{14}N_6O_3$ M 266.259
Nucleoside antibiotic. Obt. from the mould *Cordyceps militaris* and from *Helminthosporium* spp. culture filtrates. Antitumour agent. Mp 275-278° dec. (265-267°). $[\alpha]_D^{25}$ −37° (c, 2.0 in 0.1M HCl), $[\alpha]_D^{25}$ −40° (c, 0.4 in DMF). λ_{max} 260 nm (ε 17 300) (H_2O).

Dipicrate: Mp 222-224° dec.

3′N-Me: [25787-43-3].
$C_{11}H_{16}N_6O_3$ M 280.286
Mp 247-250° dec. $[\alpha]_D^{19}$ −103° (c, 1.0 in 1N NaOH). λ_{max} 259 (ε 15 100), 207 (20 400) (pH 7); 256 (14 800), 206 (22 100) (pH 1); 259 nm (15 200) (pH 13).

*3′,6,6-Tri-*N*-Me:* [34522-43-5].
$C_{13}H_{20}N_6O_3$ M 308.339
Mp 216-218°. $[\alpha]_D^{23}$ −52° (c, 0.97 in EtOH). λ_{max} 275 (ε 19 400), 214 (17 100) (pH 7); 267 (19 200), 208 (20 100) (pH 1); 275 nm (19 700) (pH 13).

*3′,3′,6,6-Tetra-*N*-Me:* [25787-42-2].
$C_{14}H_{22}N_6O_3$ M 322.366
Mp 184.5-186°. $[\alpha]_D^{22}$ −27° (c, 1.0 in H_2O). λ_{max} 275 (ε 19 000), 214 (16 100) (pH 7); 267 (18 600), 209 (17 700) (pH 1); 276 nm (18 700) (pH 13).

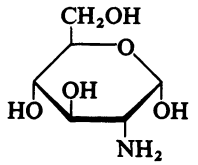
3'N-Ac, 3'N-Me, 2',5'-di-Ac: [25834-71-3].
$C_{17}H_{22}N_6O_6$ M 406.397
Mp 224-225.5°. $[\alpha]_D^{21}$ −15° (c, 1.0 in Py). λ_{max} 259 (ε 13 900) (pH 7), 257 (13 800) (pH 1), 260 nm (14 200) (pH 13).

3'N-Ac, 3'N-Me, 2',5'-di-Ac, 6N-benzoyl: [36913-17-4]. Mp 96-99.5°. $[\alpha]_D^{20.5}$ −27° (c, 1.0 in EtOH). λ_{max} 291 (ε 26 300), 252 (11 400) (pH 1); 303 nm (13 900) (pH 13).

Gerber, N.N. *et al, J. Org. Chem.*, 1962, **27**, 1731.
Guarino, A.J. *et al, Biochim. Biophys. Acta*, 1963, **68**, 317 (*isol*)
Lee, W.W. *et al, J. Org. Chem.*, 1970, **35**, 3808 (*synth, pmr*)
Nagasawa, H.T. *et al, J. Med. Chem.*, 1972, **15**, 177.
Azhaev, A.V. *et al, Collect. Czech. Chem. Commun.*, 1978, **43**, 1520 (*synth*)
Klimke, G. *et al, Z. Naturforsch., C*, 1979, **34**, 1075 (*conformn*)
Lichtenthaler, F.W. *et al, Chem. Ber.*, 1979, **112**, 2588 (*synth*)
Sheldrick, W.S. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 2328 (*cryst struct*)

2-Amino-2-deoxyglucose A-00235

Glucosamine, 9CI, 8CI. Chitosamine



α-D-Pyranose-*form*

$C_6H_{13}NO_5$ M 179.172

D-form [3416-24-8]
Present in chitin, in its *N*-Ac form, in mucopolysaccharides and in polysaccharides found in bacteria, fungi, higher plants, invertebrates, vertebrates, antibiotics and UDP complexes.
▷LZ6664000.

N-*Me:*
$C_7H_{15}NO_5$ M 193.199
Mp 164-166° (hydrochloride). $[\alpha]_D$ +104° → +89° (H_2O).
Oxime: Mp 127°.
Oxime; B,HCl: Mp 166°.
Semicarbazone: Mp 165°.
N-*Salicylidene:* Mp 183-184°. $[\alpha]_D$ +11.0° (MeOH).
N-*Benzyloxycarbonyl: 2-Amino*-N-*benzyloxycarbonyl-2-deoxy-D-glucopyranose.* Mp 214°. $[\alpha]_D$ −75.4° (Py).
3,4,6-Tribenzyl: 3,4,6-Tri-O-*benzyl-D-glucosamine.*
$C_{27}H_{31}NO_5$ M 449.546
Mp 114-115°. $[\alpha]_D^{20}$ +76° (c, 1.1 in $CHCl_3$).
3,4,6-Tribenzyl; B,HCl: Mp 184-185°. $[\alpha]_D^{20}$ +55.3° (c, 2.1 in 2-methoxyethanol).
Di-Et dithioacetal: [18467-82-8]. Mp 121-122° (as hydrochloride). $[\alpha]_D$ −24° (H_2O).
Di-Et dithioacetal, 5,6-O-*isopropylidene:* [18422-17-8]. Mp 78-79°. $[\alpha]_D^{20}$ −3° (c, 1.0 in $CHCl_3$).
Di-Et dithioacetal, N-*(2,4-dinitrophenyl), 3,4,5,6-tetra-Ac:* Mp 87-88°. $[\alpha]_D$ −108.5° ($CHCl_3$).

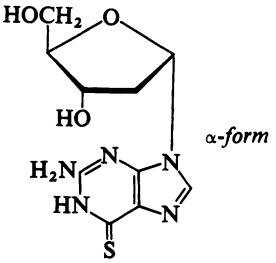
α-D-Pyranose-form
Mp 88°. $[\alpha]_D$ +100° → +47.5° (H_2O).
B,HCl: [66-84-2]. Mp 190-210°. $[\alpha]_D$ +100° → +72.5° (H_2O).
▷LZ6665000.

β-D-Pyranose-form
Mp 110-111°. $[\alpha]_D$ +28° → +47.5° (H_2O). Most common form.
B,HCl: Mp 185° dec. $[\alpha]_D$ −89° → −72° (H_2O).
Et glycoside: Ethyl β-D-glucosaminide.
$C_8H_{17}NO_5$ M 207.226
Mp 213-214° (as hydrochloride). $[\alpha]_D$ +27.8° (H_2O).
Et glycoside, 3,4,6-tri-Ac:
$C_{14}H_{23}NO_8$ M 333.338
Mp 250-251° (as hydrochloride). $[\alpha]_D$ +12.5° (MeOH).
Et glycoside, N-*salicylidene, 3,4,6-tri-Ac:* Mp 131°. $[\alpha]_D$ +40.7° (MeOH).
Phenyl glycoside, N-*propionyl:*
$C_{15}H_{21}NO_6$ M 311.334
Mp 230°. $[\alpha]_D$ +8° (Py).
Pentanicotinoyl: [80763-86-6]. *Glucosamine pentanicotinate.* ***Glunicate, INN.*** *LG 13979.*
$C_{36}H_{28}N_6O_{10}$ M 704.651
Antilipidaemic, cardiovascular agent.

Foster, A.B. *et al, Adv. Carbohydr. Chem.*, 1952, **7**, 247 (*rev*)
Horton, D., *Adv. Carbohydr. Chem.*, 1960, **15**, 159.
Stacey, M. *et al, Methods Carbohydr. Chem.*, 1962, **1**, 228 (*isol*)
Harrison, R. *et al, J. Org. Chem.*, 1965, **30**, 2317.
Heynes, K. *et al, Chem. Ber.*, 1967, **100**, 2655.
Ramachandran, G.N. *et al, Biochem. Biophys. Acta*, 1967, **148**, 317 (*cryst struct*)
Horton, D., *The Amino Sugars,* (*Jeanloz, R.W., Ed.*), 1969, Academic Press, 1
Belg. Pat., 888 890, (*1981*); *CA*, **96**, 85934 (*Glunicate*)
Feher, J. *et al, Drugs Exp. Clin. Res.*, 1985, **11**, 413 (*Glunicate*)
Renzetti, A.R. *et al, J. Pharm. Pharmacol.*, 1985, **37**, 906 (*Glunicate*)

2-Amino-9-(2-deoxy-*erythro*-pentofurano-syl)-1,9-dihydro-6*H*-purine-6-thione, 9CI A-00236

2'-Deoxythioguanosine



α-*form*

$C_{10}H_{13}N_5O_3S$ M 283.304

α-D-form [2133-81-5]
Immunosuppressant. $[\alpha]_D^{24}$ +65° (0.1N NaOH).
▷UP0745000.

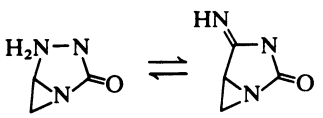
β-D-form [789-61-7]
$[\alpha]_D^{25}$ −32° (c, 0.1N NaOH).
▷UP0750000.

Iwamoto, R.H. *et al, Nature (London)*, 1963, **198**, 285
Kimball, A.P. *et al, Proc. Soc. Exp. Biol. Med.*, 1967, **126**, 181; *CA*, **68**, 11584y.
Henry, M.C. *et al, Cancer Chemother. Rep., Part 3*, 1974, **5**, 9; *CA*, **82**, 25808a.
Rackwitz, H.R. *et al, Chem. Ber.*, 1974, **107**, 2284.
Roark, D.N. *et al, Nucl. Acid Chem.*, 1978, **2**, 583 (*synth*)
Acton, E.M. *et al, J. Med. Chem.*, 1979, **22**, 518 (*synth, pharmacol*)

4-Amino-1,3-diazabicyclo[3.1.0]hex-3-en-2-one, 9CI A-00237

Imexon, INN. *BM 06002. 4-Imino-1,3-diazabicyclo[3.1.0]hexan-2-one*

[59643-91-3]



$C_4H_5N_3O$ M 111.103

Exists in tautomeric forms. Antineoplastic agent, immunostimulant. Cryst. (MeOH). Mp >250° dec.

Belg. Pat., 843 803, (*1976*); *CA*, **87**, 194233t (*synth, pharmacol, ir, pmr*)

Masala, A. *et al*, *IRCS Med. Sci. Libr. Compend.*, 1977, **5**, 192 (*pharmacol*)

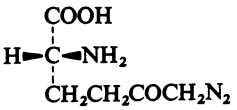
Ziegler, A.E. *et al*, *Exp. Pathol.*, 1977, **14**, 321 (*pharmacol*)

Bicker, U. *et al*, *Prog. Cancer Res. Ther.*, 1978, **7**, 389 (*pharmacol*)

2-Amino-6-diazo-5-oxohexanoic acid A-00238

6-Diazo-5-oxonorleucine, 9CI. DON. NSC 7365

[764-17-0]



(*R*)-*form*

$C_6H_9N_3O_3$ M 171.155

Amino acid antibiotic.

▷Toxic, LD_{50} 220 mg/Kg (mice)

(*R*)-*form* [71629-86-2]

D-form

Cryst. (EtOH aq.). $[\alpha]_D^{25}$ −16.1° (c, 1.98 in H_2O).

(*S*)-*form* [157-03-9]

L-form

Prod. by *Streptomyces ambofaciens*. Antitumour agent active against human carcinoma but of limited use owing to toxicity. Yellow cryst. (EtOH aq.). Mp 142-150° dec. $[\alpha]_D^{26}$ +21° (c, 5.4 in H_2O). Unstable in soln., v. unstable in acid or alkali. λ_{max} 244, 274 nm (H_2O).

▷RC6340000.

N-*Ac:* [2508-89-6]. N-*Acetyl-6-diazo-5-oxo-L-norleucine, 9CI.* ***Duazomycin, INN, USAN.*** *Duazomycin* A. N-*Acetyl DON. Antibiotic BA 8509A. NSC 51097. Diazamycin* A. *BA 8509A.*

$C_8H_{11}N_3O_4$ M 213.193

From *S. ambofaciens*. Active against tumours, yeast and gram-positive bacteria. Yellow powder.

(±)-*form*

Tumour-inhibitor. Cryst. (EtOH). Mp 145-155°.

Dion, H.W. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3075 (*isol, synth, use*)

de Wald, H.A. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 3941 (*synth, use*)

Ger. Pat., 1 040 561, (*1958*); *CA*, **55**, 9298g (*manuf*)

Pittillo, R.F. *et al*, *Antibiotics (N.Y.)*, 1967, **1**, 481 (*rev*)

Cooney, D.A. *et al*, *Biochem. Pharmacol.*, 1976, **25**, 1859 (*tox*)

Pettit, G. *et al*, *J. Org. Chem.*, 1983, **48**, 741 (*synth, uv, ir, pmr, bibl*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12683.

2-Amino-4,6-dibromophenol, 9CI A-00239

[10539-14-7]

$C_6H_5Br_2NO$ M 266.920

Antibacterial, haemolytic agent. Pale-yellow needles (EtOH aq.). Mp 99° (166-168° dec.).

N-*Ac:* [55202-09-0].

$C_8H_7Br_2NO_2$ M 308.957

Yellow needles. Mp 186°.

Et ether: 3,5-Dibromo-o-phenetidine.

$C_8H_9Br_2NO$ M 294.973

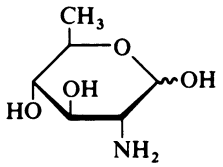
Mp 92°.

Thiele, J. *et al*, *Justus Liebigs Ann. Chem.*, 1900, **311**, 363 (*synth*)

Huisgen, R. *et al*, *Justus Liebigs Ann. Chem.*, 1959, **623**, 47 (*synth*)

2-Amino-2,6-dideoxyglucose A-00240

Chinovosamine. 6-Deoxyglucosamine. Isorhodeosamine. Quinovosamine



D-*form*

$C_6H_{13}NO_4$ M 163.173

D-form [6018-53-7]

Constit. of the lipopolysaccharide from the cells of *Pseudomonas aeruginosa*. Also present in *Achromobacter georgio politanum Salmonella*, spp. *Proteus vulgaris, Neurospora crassa, Vibrio cholera*, and *Brucella* spp. The lipopolysaccharide is used as antiviral agent for influenza A/PR8, encephalomyocarditis virus and columbia SK virus.

B,HCl: [6189-58-8]. Mp 172-173° dec. $[\alpha]_D^{22}$ +88° → +53° (c, 1.20 in H_2O).

N-*Ac:* [40614-71-9]. *2-Acetamido-2,6-dideoxy-D-glucose.*

$C_8H_{15}NO_5$ M 205.210

Mp 210-211° dec. $[\alpha]_D^{22}$ +66° → +15° (c, 1.08 in H_2O).

α-D-form

Tetra-Ac:

$C_{14}H_{21}NO_8$ M 331.322

Mp 178°. $[\alpha]_D^{22}$ +114° (c, 1.21 in $CHCl_3$).

β-D-form

Tetra-Ac: Mp 209-210°. $[\alpha]_D^{23}$ +15° (c, 1.07 in $CHCl_3$).

L-form

B,HCl: Mp 173-175° dec. $[\alpha]_D^{22}$ −91° → −53° (c, 1.08 in H_2O).

N-*Ac:* [42859-69-8]. *2-Acetamido-2,6-dideoxy-L-glucose.*

$C_8H_{15}NO_5$ M 205.210

Mp 201-204°. $[\alpha]_D^{24}$ −54° → −14° (c, 1.0 in H_2O).

N-*Ac, 3,4-di-Me:*

$C_{10}H_{19}NO_5$ M 233.264

Mp 211-213°. $[\alpha]_D$ −56.3° → 17.2° (c, 0.14 in H_2O).

N-*Me:*

$C_7H_{15}NO_4$ M 177.200

A constit. of Streptomycin. Mp 160-163°. $[\alpha]_D$ −103° → −88° (H_2O/HCl).

β-L-form

Tetra-Ac: Mp 208-209°. $[\alpha]_D^{22}$ −14° (c, 1.05 in $CHCl_3$).

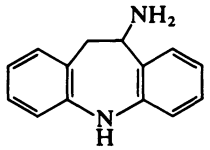
Kuhn, R. *et al*, *Justus Liebigs Ann. Chem.*, 1958, **617**, 115 (*synth*)

Morel, C.J., *Helv. Chim. Acta*, 1958, **41**, 1501 (*synth*)

Perry, M.B. *et al*, *Can. J. Chem.*, 1974, **52**, 2425 (*synth, occur*)
Barrow, R.O., *CA*, 1975, **82**, 1843g (*biosynth*)

10-Amino-10,11-dihydro-5*H*-dibenz[*b,f*]-azepine A-00241

*10,11-Dihydro-5*H*-dibenz*[b,f]*azepin-10-amine*, 9CI
[30761-64-9]



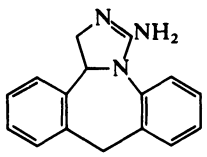
$C_{14}H_{14}N_2$ M 210.278
Cryst. (hexane/C_6H_6). Mp 123°.

*5,10-Di-*N*-Me:* [21730-16-5]. ***Metapramine, INN***. *10,11-Dihydro-*N*,5-dimethyl-5*H*-dibenz*[b,f]*azepin-10-amine*, 9CI. *Rodostene. 19560 RP. Timaxel.*
$C_{16}H_{18}N_2$ M 238.332
Antidepressant. Mp 238-240° (as hydrochloride).

South African Pat., 6 800 345, (*1968*); *CA*, **70**, 57689f (*synth, pharmacol*)
Ger. Pat., 2 159 678, (*1972*); *CA*, **77**, 88351p (*synth*)
Decouvelaere, B. *et al*, *Therapie*, 1982, **37**, 249 (*metab*)
Sumirtapura, Y.C. *et al*, *Eur. J. Clin. Pharmacol.*, 1983, **25**, 673 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3936.

3-Amino-9,13*b*-dihydro-1*H*-dibenz[*c,f*]-imidazo[1,5-*a*]azepine A-00242

*9,13b-Dihydro-1*H*-dibenz*[c,f]*imidazo[1,5-*a]*azepin-3-amine*, 9CI. ***Epinastine, INN***
[80012-43-7]

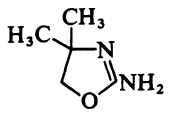


$C_{16}H_{15}N_3$ M 249.315
Antihistamine. Cryst. (MeCN). Mp 205-208°.
B,HCl: [80012-44-8]. *WAL 801*CL. Cryst. (MeOH/Et_2O). Mp 272-273°.
B,HBr: Cryst. (MeOH/EtOAc). Mp 284-286°.

Ger. Pat., 3 008 944, (*1981*); *CA*, **96**, 6777 (*synth*)
Adamus, W.S. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 569 (*pharmacol*)
Adamus, W.S. *et al*, *Eur. J. Clin. Pharmacol.*, 1987, **33**, 381 (*pharmacol*)

2-Amino-4,5-dihydro-4,4-dimethyloxazole A-00243

4,5-Dihydro-4,4-dimethyl-2-oxazolamine, 9CI. *2-Amino-4,4-dimethyl-2-oxazoline*. ***Xinomiline, INN***
[52832-91-4]

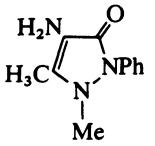


$C_5H_{10}N_2O$ M 114.147
Antihypertensive agent. Cryst. (isopropyl ether). Mp 70-71°.

Ger. Pat., 2 253 554, (*1974*); *CA*, **81**, 63611t (*synth, pharmacol*)
Kampe, K.-D., *Justus Liebigs Ann. Chem.*, 1974, 593 (*synth*)

4-Amino-1,2-dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, 9CI A-00244

4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one. 4-Aminoantipyrine, 8CI. *Ampyrone*
[83-07-8]

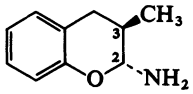


$C_{11}H_{13}N_3O$ M 203.243
Metab. of antipyrine. Widely used pharmaceutical intermed., component of various colorimetric reagents. Light-yellow needles (C_6H_6). Mp 109°.
▷CD2480000.

Knorr, L. *et al*, *Justus Liebigs Ann. Chem.*, 1896, **293**, 56 (*synth*)
Shipileva, I.S. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1974, **217**, 365 (*ms*)
Singh, S.P. *et al*, *J. Pharm. Sci.*, 1979, **68**, 470 (*cmr*)

3-Amino-3,4-dihydro-2-methyl-2*H*-1-benzopyran A-00245

*3,4-Dihydro-2-methyl-2*H*-1-benzopyran-3-amine*, 9CI. *2-Methyl-3-chromanamine*, 8CI. *3-Amino-2-methylchroman*



(*2RS,3RS*)-*form*

$C_{10}H_{13}NO$ M 163.219

(2RS,3RS)-form
(±)-trans-*form*
B,HCl: Mp 216-217.5°.
N-*Ac:*
$C_{12}H_{15}NO_2$ M 205.256
Needles. Mp 96-97°.
N-*Di-Me; B,HCl:*
$C_{12}H_{17}NO$ M 191.272
Mp 195-197°.

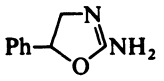
(2RS,3SR)-form
(±)-cis-*form*
$Bp_{0.8}$ 85-86°.
B,HCl: Mp 260-261°.
N-*Ac:* Prisms (2-propanol). Mp 112-112.5°.
N-*Di-Me:* [23915-73-3]. ***Trebenzomine, INN***. *3,4-Dihydro-*N*,N,2-trimethyl-2*H*-1-benzopyran-3-amine*, 9CI.
$C_{12}H_{17}NO$ M 191.272
Antidepressant. $Bp_{0.9}$ 90-96°.
▷DJ2132000.
N-*Di-Me; B,HCl:* [23915-74-4]. *Trebenzomine hydrochloride, USAN. CI 686, 11Cl.* Cryst. (EtOH). Mp 217-218°. The *cis*-isomer is said to have the greater physiological activity but it is not clear from publ. data which stereoisomer is the pharmaceutical prod.

B.P., 1 151 474, (*1969*); *CA*, **71**, 101710c (*synth, pharmacol*)
Booth, H. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 227 (*config, pmr*)
Itil, T.M. *et al*, *Curr. Ther. Res., Clin. Exp.*, 1974, **16**, 80 (*pharmacol*)
Stanley, M. *et al*, *Psychopharmacology (Berlin)*, 1979, **66**, 23 (*activity*)

2-Amino-4,5-dihydro-5-phenyloxazole A-00246

4,5-Dihydro-5-phenyl-2-oxazolamine, 9CI. 2-Amino-5-phenyl-2-oxazoline. **Aminorex, BAN, USAN.** *Apiquel. Aminoxaphen. Menocil. Minocil. McN 742. NSC 66952*

[2207-50-3]



$C_9H_{10}N_2O$ M 162.191

▷RQ4500000.

(±)-form

Anorexic, appetite suppressant. Cryst. (C_6H_6). Mp 136-138°.

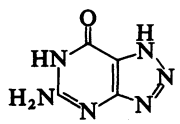
▷Exp. carcinogen. RQ4500000.

Poos, G.I. *et al, J. Med. Chem.*, 1963, **6**, 266 (*synth*)
U.S.P., 3 161 650, (*1965*); *CA*, **62**, 10439 (*synth*)
Polish Pat., 71 888, (*1974*); *CA*, **83**, 79227 (*synth*)
Hoeltje, H.D. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1980, **313**, 620 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12365.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 242.

5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-one, 9CI A-00247

8-Azaguanine. Guanazolo. Pathocidin. NSC 749. SF 337. Antibiotic SF 337

[134-58-7]



$C_4H_4N_6O$ M 152.115

Isol. from *Streptomyces albus* and *S. morookaensis*. Purine antagonist. Tumour inhibitor. Active against fungi. Cryst. (H_2O). Mp 305° dec.

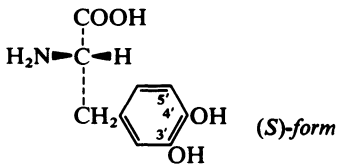
▷Exp. teratogen. XZ6157000.

Roblin, R.K. *et al, J. Am. Chem. Soc.*, 1945, **67**, 290 (*synth*)
Blank, H.U. *et al, J. Org. Chem.*, 1970, **35**, 1131 (*synth*)
Kozlowski, D.L. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 1751 (*cryst struct*)
Bose, S.N. *et al, Biomed. Mass Spectrom.*, 1977, **4**, 305 (*ms*)
Purnell, L.G. *et al, Org. Magn. Reson.*, 1977, **10**, 1 (*cmr*)
Hirasawa, K. *et al, J. Antibiot.*, 1978, **31**, 628 (*isol, props*)
Grunberger, D. *et al, Antibiotics (N.Y.)*, 1979, **5**, 110 (*rev*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 211.

2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid A-00248

3-Hydroxytyrosine, 9CI. 3,4-Dihydroxyphenylalanine. 3,4-DOPA

[587-45-1]



(*S*)-*form*

$C_9H_{11}NO_4$ M 197.190

(*R*)-form [5796-17-8]

D-form

Prisms (H_2SO_3 aq.). Mp 282°. $[\alpha]_D$ +11.9°.

(*S*)-form [59-92-7]

L-form. **Levodopa, BAN, INN, JAN, USAN.** *Levopa. Brocadopa. Larodopa. Veldopa. Numerous proprietary names*

Occurs in seedlings and pods of *Vicia faba*, the seeds of *Mucuna pruriens* and in various species of the velvet bean. Used in treatment of the Parkinsonian syndrome. Prisms or needles (H_2O + SO_2) or plates (EtOH aq.). Mp 285.5° dec. $[\alpha]_D^{20}$ −12.15° (c, 4 in 1N HCl). Rapidly turns green in air, aq. solns. darken in air. Green col. with $FeCl_3$. Reduces $AgNO_3$, NH_3 and acid $KMnO_4$. Component of Sinemet.

▷AY5600000.

B,HCl: Prisms. Mp 209°.

O,O,N-*Tribenzoyl:*
$C_{30}H_{23}NO_7$ M 509.514
Needles (AcOH). Mp ca. 170°.

5,5′-Dimer: [17785-52-3]. *α,α′-Diamino-5,5′,6,6′-tetrahydroxy-3,3′-biphenyldipropanoic acid, 8CI.*
$C_{18}H_{20}N_2O_8$ M 392.365
Powder (H_2O containing SO_2). Mp >300°.

3′-Me ether: 4-Hydroxy-3-methoxyphenylalanine. 3-Methoxytyrosine.
$C_{10}H_{13}NO_4$ M 211.217
Isol. from *Cortinarius brunneus*, *Pachymatisma johnstoni* and the blood of Parkinsonian patients. Cryst. (H_2O). $[\alpha]_D$ −34° (c, 0.39 in H_2O), $[\alpha]_D$ −15.4° (c, 0.36 in 0.1M HCl).

3′-O-β-D-Glucopyranoside:
$C_{15}H_{21}NO_9$ M 359.332
Isol. from *Pisum sativum* and *V. faba*. Resin or syrup.

(±)-form [63-84-3]

Cryst. (H_2O or $NaHSO_3$ aq.). Mp 271-272° dec.

▷AY5250000.

B,HCl: Plates (MeOH). Mp 246° dec.
B,HBr: Plates (MeOH). Mp 212° dec.
Et ester:
$C_{11}H_{15}NO_4$ M 225.244
Cryst. (EtOH aq.). Mp 129°.
3-Me ether: Prisms + $2H_2O$ (H_2O). Mp 255-256° dec.
3-Me ether, N-*benzoyl:*
$C_{17}H_{17}NO_5$ M 315.325
Plates (H_2O or EtOH). Mp 164°.
3,4-Di-Me ether:
$C_{11}H_{15}NO_4$ M 225.244
Needles (EtOH aq.). Mp 252-255°.
3,4-Di-Me ether, N-*benzoyl:*
$C_{18}H_{19}NO_5$ M 329.352
Mp 173-174°.
O,O,N-*Tri-Ac:*
$C_{15}H_{17}NO_7$ M 323.302
Prisms (H_2O). Mp 171-172°.
N-*Benzoyl:*
$C_{16}H_{15}NO_5$ M 301.298
Cryst. Mp 190-195° (anhyd.).

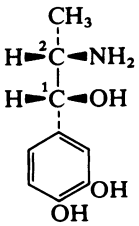
Andrews, R.S., *Nature (London)*, 1965, **205**, 1213 (*Glucoside*)
Chapman, R.F. *et al, J. Chem. Soc. (C)*, 1970, 865 (*dimer*)
Vorbruggen, H. *et al, Chem. Ber.*, 1972, **105**, 1168 (*synth*)
Griffith, T. *et al, Phytochemistry*, 1973, **12**, 1651 (*biosynth*)
Mostad, A. *et al, Acta Chem. Scand., Ser. B*, 1974, **28**, 1161 (*cryst struct*)
Bartholini, G. *et al, Pharmacol. Ther., Part B*, 1975, **1**, 407 (*rev, pharmacol*)
Fellman, J.H. *et al, Biochim. Biophys. Acta*, 1975, **381**, 9 (*isol, deriv*)
Renth, E.-O., *Angew. Chem., Int. Ed. Engl.*, 1975, **14**, 361 (*synth*)
Gomez, R. *et al, Anal. Profiles Drug Subst.*, 1976, **5**, 189 (*rev*)

Dardenne, G. *et al*, *Phytochemistry*, 1977, **16**, 1822 (*deriv*)
Danishevsky, S. *et al*, *Tetrahedron*, 1981, **37**, 4081 (*synth*)
Nutt, J.G. *et al*, *Clin. Neuropharmacol.*, 1984, **7**, 35 (*rev, metab*)
Lee, M. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 235 (*hplc, bibl, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4541.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1227 (*synonyms*)

2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol A-00249

4-(2-Amino-1-hydroxypropyl)-1,2-benzenediol, 9CI. α-(1-Aminoethyl)-3,4-dihydroxybenzyl alcohol, 8CI. 3,4-Dihydroxynorephedrine. 3,4-Dihydroxyphenylpropanolamine. 3,4-Dihydroxyphenylaminopropanol. α-(1-Aminoethyl)pyrocatechuyl alcohol. α-Methylnoradrenaline. Norhomoepinephrine. Isoadrenaline. Aminopropanolpyrocatechol. Homoarterenol. α-Methylnorepinephrine. Alphamethylnorepinephrine. ***Nordefrine, INN***

[6539-57-7]



(1*R*,2*S*)-*form*

$C_9H_{13}NO_3$ M 183.207

Assignment of particular synonyms to individual stereoisomers is not certain. Sympathomimetic, vasoconstrictor.

(***1R,2S*)-*form*** [829-74-3]

(−)-erythro-*form.* ***Levonordefrin, USAN.*** *Corbadrine, INN*

Vasoconstrictor. Mp 212-215° (206.5-208.5°) dec. $[\alpha]_D^{24}$ −31.0° (−20.7°) (HCl).

(***1RS,2SR*)-*form*** [99-38-7]

(±)-erythro-*form. Corbasil. Neo-cobefrin. Lirotil*

Vasoconstrictor.

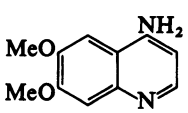
B,HCl: [61-96-1]. *Cobefrin.* Mp 178-179° dec.

Hartung, W.H. *et al*, *J. Am. Chem. Soc.*, 1931, **53**, 4149 (*synth*)
Bruckner, B. *et al*, *Ber.*, 1943, **76**, 466 (*synth*)
Farrugia, T. *et al*, *Tetrahedron*, 1968, **24**, 3499 (*synth, abs config*)
Day, M.D. *et al*, *Br. J. Pharmacol.*, 1974, **51**, 325 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2076.

4-Amino-6,7-dimethoxyquinoline, 8CI A-00250

6,7-Dimethoxy-4-quinolinamine, 9CI. ***Amiquinsin, INN.*** *U 0935*

[13425-92-8]



$C_{11}H_{12}N_2O_2$ M 204.228

Antihypertensive agent.

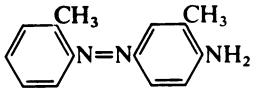
B,HCl: [1696-79-3]. *Amiquinsin hydrochloride, USAN.* Cryst. + $1H_2O$. Mp 274-276°.

Wright, G.C. *et al*, *J. Med. Chem.*, 1971, **14**, 1060 (*synth, pharmacol*)
Wright, G.C. *et al*, *J. Pharm. Sci.*, 1980, **69**, 842 (*metab*)

4-Amino-2',3-dimethylazobenzene A-00251

2-Methyl-4-[(2-methylphenyl)azo]benzenamine, 9CI. 4-(o-Tolylazo)-o-toluidine, 8CI. o-Aminoazotoluene. Toluazotoluidine. Solvent yellow 3

[97-56-3]



$C_{14}H_{15}N_3$ M 225.293

Immunosuppressant. Yellow leaflets (EtOH). Mp 100°.

▷Carcinogenic. XU8800000.

Dolinsky, M. *et al*, *J. Assoc. Off. Agric. Chem.*, 1954, **37**, 197 (*ir*)
Sawicki, E., *J. Org. Chem.*, 1956, **21**, 605 (*tautom*)
Kurosaki, S. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 3160 (*struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 357.

2-Aminoethanethiol A-00252

2-Aminoethyl mercaptan. 2-Mercaptoethylamine. Thioethanolamine. ***Cysteamine, BAN.*** *Mercaptamine, INN. Becaptan. Lambratene. Mercamin. Merkamin. Riacon. NSC 25116*

[60-23-1]

$HSCH_2CH_2NH_2$

C_2H_7NS M 77.144

Radioprotective agent, also used as antidote to paracetamol poisoning. Prolactin inhibitor. Cryst. (EtOH). Mp 99-100°.

▷KJ0175000.

B,HCl: [156-57-0]. Mp 70.2-70.7°.

▷Gives toxic fumes on heating to dec. or contact with H_2O. KJ0200000.

N-*Di-Me:* [108-02-1]. *2-(Dimethylamino)ethanethiol, 9CI, 8CI.* ***Captamine, INN.***

$C_4H_{11}NS$ M 105.198

Depigmentation agent. Liq. Bp 120-127°, Bp_{40} 45-47°. pK_{a1} 7.95 (SH), pK_{a2} 10.70 (NMe_2).

▷KJ1050000.

N-*Di-Me; B,HCl:* [13242-44-9]. *Captamine hydrochloride, USAN. NSC 45463.* Solid. Mp 156-157°.

▷KJ1051000.

N-*Di-Me,* S-*Ac:*

$C_6H_{13}NOS$ M 147.235

Mp 145° (as hydrochloride).

N-*Di-Et:* [1942-52-5].

$C_6H_{15}NS$ M 133.251

Solid (as hydrochloride). pK_{a1} 7.69 (SH), pK_{a2} 11.01 (NEt_2).

▷KJ0700000.

N-*Diisopropyl:* [5842-07-9].

$C_8H_{19}NS$ M 161.305

Bp_{16} 125-126°.

▷KJ0875000.

Gabriel, S., *Ber.*, 1889, **22**, 1139.
Colman, J. *et al*, *Ber.*, 1912, **45**, 1643.
Mills, E.J. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 1173 (*synth*)
Rachinskii, F.I. *et al*, *J. Gen. Chem. USSR* (*Engl. Transl.*), 1958, **28**, 3027 (*synth, bibl, derivs*)
Owen, T.C. *et al*, *J. Chem. Soc.* (*C*), 1967, 1373 (*synth*)
Frenk, E. *et al*, *Arch. Dermatol.*, 1968, **97**, 465 (*pharmacol, deriv*)

Milvy, P., *Radiat. Res.*, 1971, **48**, 206 (*pharmacol*)
Bazzone, T.J., *J. Am. Chem. Soc.*, 1974, **96**, 1465 (*nmr*)
Szabo, S. *et al*, *Endocrinology*, 1981, **109**, 2255 (*props*)
Millard, W.J. *et al*, *Science (Washington)*, 1982, **217**, 452 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1041.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 213, 1744.

2-Aminoethanol A-00253

2-Hydroxyethylamine. Ethanolamine. Colamine

[141-43-5]

$H_2NCH_2CH_2OH$

C_2H_7NO M 61.083

Chemical intermed., org. base. Removes CO_2 and H_2S from gases. Viscous, hygroscopic liq. Misc. H_2O, spar. sol. C_6H_6, Et_2O. d_4^{25} 1.012. Bp 171°. pK_a 9.47. n_D^{20} 1.4539.

▷Toxic vapour, irritant, TLV 8. KJ5775000.

Picrate: Yellow cryst. Mp 148-150°.

N-*Ac:* [142-26-7]. N-(*2-Hydroxyethyl*)*acetamide*, *9CI*. N-*Acetylethanolamine*.
$C_4H_9NO_2$ M 103.121
d_4^{20} 1.12. Bp 195-196°.
▷AC3120000.

N-*Me:* [109-83-1]. *2-(Methylamino)ethanol*, *9CI*.
C_3H_9NO M 75.110
In vivo precursor of Choline. Strongly basic liq. with fishy odour. Misc. H_2O, EtOH, Et_2O. d_4^{20} 0.94. Bp 155-156°, Bp_5 115-118°.
▷KL6650000.

N-*Me, picrate:* Mp 148-150°.

N-*Et:* [110-73-6]. *2-Ethylaminoethanol. 2-Hydroxydiethylamine*.
$C_4H_{11}NO$ M 89.137
Corrosion inhibitor, fungicide, has antifertility props. Oily liq. with faint odour, fumes in air. Sol. H_2O. Bp 169-170°, Bp_{15} 75-76°. Spar. steam-volatile.
▷Highly toxic. KK9100000.

N-*Et; B,HCl:* [54472-61-6]. Hygroscopic needles.

N-Et, picrate: Yellow monoclinic prisms (EtOH). Mp 125-126°.

N-*Di-Et:* [100-37-8]. *2-Diethylaminoethanol*, *9CI*. *2-Hydroxytriethylamine*.
$C_6H_{15}NO$ M 117.191
Sol. H_2O. Bp 163°.
▷Mod. toxic, irritant. KK5075000.

N-*Isopropyl:* [109-56-8]. *2-Isopropylaminoethanol. 2-[(1-Methylethyl)amino]ethanol*, *9CI*. N-(*2-Hydroxyethyl*)*isopropylamine. Isopropylethanolamine*.
$C_5H_{13}NO$ M 103.164
Shows antifertility props. Oil. Sol. H_2O. Bp_{13} 150-152°.
▷KL5080000.

N-*Isopropyl, picrate:* Brownish-yellow prisms (H_2O). Mp 129°.

N-*Isopropyl*, N-*benzoyl:* N-(*2-Hydroxyethyl*)-N-(*1-methylethyl*)*benzamide*, *9CI*.
$C_{12}H_{17}NO_2$ M 207.272
Bp_{13} 150-152°.

O-*Nitrate: see 2-Aminoethanol nitrate, A-00254*

Octadecanoate salt (1:1): [2272-11-9]. *Monoethanolamine oleate*, *INN*. Sclerosing agent. Pharmaceutic aid (surfactant).

Knorr, L., *Ber.*, 1897, **30**, 909 (*synth*)
Knorr, L. *et al*, *Ber.*, 1898, **31**, 1072 (*synth, derivs*)
Kawai, S., *J. Chem. Soc. Jpn.*, 1923, **44**, 303.
Fr. Pat., 650 574, (*1929*); *CA*, **23**, 3232
Putokhin, N., *CA*, 1929, **23**, 2938.
U.S.P., 1 904 013, (*1933*); *CA*, **27**, 3222
Wenker, H., *J. Am. Chem. Soc.*, 1935, **57**, 1079 (*deriv*)
Org. Synth., 1946, **26**, 38 (*derivs*)
Terakawa, T. *et al*, *J. Pharm. Soc. Jpn.*, 1953, **73**, 1330.
Feuer, H. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 5124 (*deriv*)
Nikolaev, A.F. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 391.
Gelbard, G. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 1161 (*synth, derivs*)
Bafford, R.A. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 971 (*derivs*)
Morrow, D.F. *et al*, *J. Med. Chem.*, 1973, **16**, 736 (*pharmacol, derivs*)
Hedberg, S.E. *et al*, *Am. J. Surgery*, 1982, **143**, 426 (*oleate*)
Saavedra, J.E., *J. Org. Chem.*, 1985, **50**, 2271 (*derivs*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 222.
Org. Synth., Coll. Vol., **2**, 183 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 207.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5072.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 577, 650, 839.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 175, 286.

2-Aminoethanol nitrate, 9CI, 8CI A-00254

2-Nitratoethylamine. Aminoethyl nitrate. Itramin. Nitrolamine

[646-02-6]

$H_2NCH_2CH_2ONO_2$

$C_2H_6N_2O_3$ M 106.081

Vasodilator used for treatment of heart disease. Syrup.

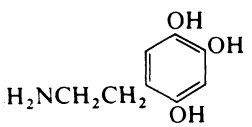
4-Methylbenzenesulfonate salt: [13445-63-1]. *Itramin tosylate*, *BAN*, *INN*, *JAN*. *Nilatil. Tostram. Tostramin. Cardisan.* Mp 132-133°.

Swedish Pat., 168 308, (*1959*); *CA*, **54**, 24405d (*deriv*)
Fremont, R.E., *Curr. Ther. Res. Clin. Exp.*, 1967, **9**, 235 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9247.

5-(2-Aminoethyl)-1,2,4-benzenetriol, 9CI, 8CI A-00255

Oxidopamine*, *USAN*, *INN. *6-Hydroxydopamine. 2,4,5-Trihydroxyphenethylamine. H 88/32. NSC 233898*

[1199-18-4]



$C_8H_{11}NO_3$ M 169.180

Adrenergic drug. Dopamine metab.

▷DC4580000.

B,HBr: [636-00-0]. Mp 218-220°.

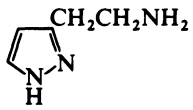
Senoh, S. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1768 (*synth*)
Kolderup, M. *et al*, *Acta Chem. Scand.*, 1972, **26**, 483 (*cryst struct*)
Short, J.H. *et al*, *Tetrahedron*, 1973, **29**, 1931 (*synth, props*)
Thoenen, H. *et al*, *Ann. Rev. Pharmacol.*, 1973, **13**, 169 (*pharmacol*)
Kostrzewa, R.M. *et al*, *Pharmacol. Rev.*, 1974, **26**, 99 (*pharmacol*)
Miyazaki, H. *et al*, *J. Chromatogr.*, 1974, **99**, 575 (*ms*)
Borchardt, R.T. *et al*, *J. Labelled Compd. Radiopharm.*, 1982, **19**, 433 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13063.

3-(2-Aminoethyl)pyrazole A-00256

1H-Pyrazole-3-ethanamine, 9CI. ***Ametazole, BAN.*** *Betazole, INN. Gastramin. Histalog. Histimin. Testazid*

[105-20-4]



$C_5H_9N_3$ M 111.146

Used to stimulate gastric secretion in diagnostic tests.

Liq. $Bp_{0.5}$ 118-123°.

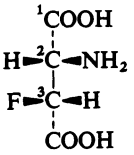
B,2HCl: [138-92-1]. *Betazole hydrochloride, JAN.* Cryst. (EtOH). Mp 224-227°.

▷UQ5600000.

Rosiere, C.E. *et al, Science*, 1951, **113**, 651 (*use*)
Jones, R.G. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4048 (*synth*)

2-Amino-3-fluorobutanedioic acid A-00257

3-Fluoroaspartic acid, 9CI. 2-Amino-3-fluorosuccinic acid. β-Fluoroaspartic acid



(2RS,3RS)-form

$C_4H_6FNO_4$ M 151.094

(2RS,3RS)-form [68832-50-8]

(±)-threo-*form*

Selective cytotoxic agent. Mp 175° dec.

1-Monoamide: [81370-25-4]. *β-Fluoroasparagine. DL-Threo-β-F-Asn.*

$C_4H_7FN_2O_3$ M 150.109

Cytotoxic agent. Cryst. (Me_2CO aq.). Mp 177° dec.

(2RS,3SR)-form [68832-48-4]

(±)-erythro-*form*

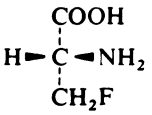
Mp 174° (144-145°) dec.

Kollonitsch, J. *et al, J. Org. Chem.*, 1979, **44**, 771 (*synth, derivs*)
Goubitz, K. *et al, Cryst. Struct. Commun.*, 1981, **10**, 1029 (*cryst struct, erythro*-form)
Stern, A.M. *et al, J. Med. Chem.*, 1982, **25**, 544 (*synth, cryst struct*)
Stern, A.M. *et al, Cancer. Res.*, 1984, **44**, 5614 (*pharmacol*)

2-Amino-2-fluoropropanoic acid A-00258

3-Fluoroalanine

[43163-93-5]



(R)-form

$C_3H_6FNO_2$ M 107.084

(R)-form [35455-20-0]

Mp 168° dec. $[\alpha]_D^{25}$ −10.0° (c, 6 in 1N HCl).

2-Deutero compd.: [35523-45-6]. ***Fludalanine,*** *USAN, INN. DFA. MK 641.*

$C_3H_5DFNO_2$

Antibacterial agent. Cryst. Mp 174-175°. $[\alpha]_D^{20}$ −10.4° (c, 6 in 1*M* HCl).

(S)-form [35455-21-1]

Mp 167-168°. $[\alpha]_D^{20}$ +10.0° (c, 6 1N HCl).

(±)-form [16652-37-2]

Mp 152° dec.

B,HCl: Mp 228-230° dec.

Yuen, C. *et al, CA*, 1960, 12096 (*synth*)
Lettore, H. *et al, Justus Liebigs Ann. Chem.*, 1967, **708**, 75 (*synth*)
Kollonitsch, J. *et al, J. Am. Chem. Soc.*, 1976, **98**, 5591 (*synth, resoln, ms, ir*)
Abraham, R.J. *et al, Tetrahedron*, 1977, **33**, 1227 (*nmr*)
Gal, G. *et al, J. Org. Chem.*, 1977, **42**, 142 (*resoln*)
Dolling, U.H. *et al, J. Org. Chem.*, 1978, **43**, 1634 (*Fludalanine*)
Kollonitsch, J., *Biomed. Aspects Fluorine Chem.*, 1983, 93 (*Fludalanine*)
Darland, G. *et al, CA*, 1986, **105**, 145589 (*metab*)

6-Aminohexanoic acid, 9CI A-00259

Aminocaproic acid, BAN, USAN. *Amicar. Caprocid. Epsikapron*

[60-32-2]

$H_2NCH_2(CH_2)_4COOH$

$C_6H_{13}NO_2$ M 131.174

Antifibrinolytic agent. Leaflets. Sol. H_2O, insol. EtOH. Mp 204-206°. pK_{a1} 4.43, pK_{a2} 10.75.

▷Exp. teratogen. MO6300000.

B,HBr: Cryst. (EtOH/Et_2O). Mp 105°.

Et ester: [371-34-6].

$C_8H_{17}NO_2$ M 159.228

Bp_1 80-82°.

N-*Benzoyl:* [956-09-2].

$C_{13}H_{17}NO_3$ M 235.282

Mp 35°. $Bp_{0.1}$ 184-186°.

Amide: [373-04-6].

$C_6H_{14}N_2O$ M 130.189

Mp 50-51°. Hygroscopic.

N-*Ac:* [57-08-9]. *Acexamic acid.* Has antiinflammatory props. Cryst. (Me_2CO). Mp 104-105.5°.

▷MO5800000.

N-*Me:* [26410-96-8]. *6-Methylaminohexanoic acid.*

$C_7H_{15}NO_2$ M 145.201

Cryst. (EtOH/Et_2O), cryst. + 1.5H_2O (H_2O). V. sol. H_2O, insol. Et_2O. Mp 132° (anhyd.), ca. 67° (hydrate). V. hygroscopic.

N-*Di-Me:* [1072-09-9]. *6-(Dimethylamino)hexanoic acid.*

$C_8H_{17}NO_2$ M 159.228

Mp 107-109°.

N-*Di-Me, Me ester:* [72887-87-7].

$C_9H_{19}NO_2$ M 173.255

Bp 209-210°.

N-*Ac: CY 168*E.

$C_8H_{15}NO_3$ M 173.211

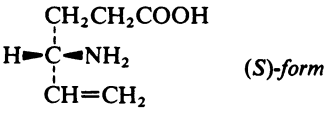
Ruzicka, L., *Helv. Chim. Acta*, 1921, **4**, 477 (*synth*)
Fr. Pat., M 23 32, (*1964*); *CA*, **61**, 5776 (*deriv*)
Org. Synth., Coll. Vol., **4**, 39 (*synth*)
Bodor, G. *et al, Acta Crystallogr.*, 1967, **23**, 482 (*cryst struct*)
Packham, M.A. *et al, Biochem. Pharmacol., Suppl.*, 1968, 171 (*Acexamic acid*)
Rabenstein, D.L. *et al, J. Magn. Reson.*, 1976, **24**, 27 (*cmr*)
Ger. Pat., 2 558 743, (*1977*) (*synth*)
Borowitz, I.J. *et al, Tetrahedron*, 1977, **33**, 1697 (*deriv*)
Kricheldorf, H.R., *Org. Magn. Reson.*, 1979, **12**, 414 (*N-15 nmr*)
Yasnitskii, B.G. *et al, Khim.-Farm. Zh.*, 1979, **13**, 78 (*Acexamic acid*)
Nilsson, I.M., *J. Clin. Pathol. Suppl. (R. Coll. Pathol.)*, 1980, **14**, 41 (*rev*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 549, 1007 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1712.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 360.

4-Amino-5-hexenoic acid, 9CI A-00260

***Vigabatrin*, BAN, INN**. *γ-Vinyl GABA. GVG. MDL 71754. RMI 71754*

[60643-86-9]



(*S*)-*form*

$C_6H_{11}NO_2$ M 129.158

(*S*)-*form* [74046-07-4]

Pharmacol active isomer. Anticonvulsant. Inhibitor of GABA transaminase. Cryst. (EtOH/2-propanol). $[\alpha]_D$ +12.4° (c, 0.5 in H_2O).

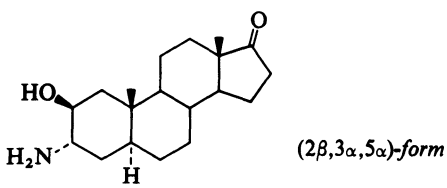
(±)-*form* [68506-86-5]

Cryst. (EtOH aq.).

U.S.P., 3 960 927, (*1976*); *CA*, **85**, 143512 (*synth*)
Palfreyman, M.G. *et al*, *Biochem. Pharmacol.*, 1981, **30**, 817 (*rev*)
B.P., 2 133 002, (*1984*); *CA*, **101**, 231027 (*synth, isomer*)
Chen, T.M. *et al*, *J. Chromatogr.*, 1984, **314**, 495 (*resoln*)
Hammond, E.J. *et al*, *Gen. Pharmacol.*, 1985, **16**, 441 (*rev*)
Smithers, J.A. *et al*, *J. Chromatogr.*, 1985, **341**, 232 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17030.

3-Amino-2-hydroxyandrostan-17-one, 9CI A-00261

***Amafolone*, BAN, INN**



(2β,3α,5α)-*form*

$C_{19}H_{31}NO_2$ M 305.459

(2α,3α,5α)-*form* [72655-12-0]

Mp 210-211°. $[\alpha]_D^{20}$ +5.4° (c, 0.90 in $CHCl_4$).

(2β,3α,5α)-*form* [50588-47-1]

Cardiac antiarrhythmic drug, normally used as hydrochloride. Prisms (CH_2Cl_2/Et_2O). Mp 190-192°. $[\alpha]_D^{20}$ +110° (c, 0.81 in $CHCl_3$).

B,HCl: [51740-76-2]. *Auluton. Org 6001.* Prisms. Mp >300°. $[\alpha]_D$ +103° (c, 0.88 in $CHCl_3$).

N-*Me:* [72655-57-3].
$C_{20}H_{33}NO_2$ M 319.486
Mp 181-183°. $[\alpha]_D$ +101° (c, 0.6 in $CHCl_3$).

N-*Me; B,HCl:* [72655-58-4]. Mp 270-281°. $[\alpha]_D$ +119° (c, 1.07 in MeOH).

(2β,3β,5α)-*form* [72655-02-8]

Mp >300° dec. $[\alpha]_D^{20}$ +106° (c, 1.06 in $CHCl_3$).

Ger. Pat., 2 335 827, (*1974*); *CA*, **80**, 108754t (*synth, pharmacol*)
Campbell, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 2235 (*synth, isom, spectra*)
Soendergaard, I. *et al*, *J. Chromatogr.*, 1979, **102**, 422 (*hplc*)
Marshall, R.J. *et al*, *Gen. Pharmacol.*, 1981, **12**, 315 (*rev*)

2-Amino-5-hydroxybenzoic acid A-00262

5-Hydroxyanthranilic acid. Diabeton(S) active substance

[394-31-0]

$C_7H_7NO_3$ M 153.137

Metab. of Tryptophan in rats. Oral hypoglycaemic agent. Violet cryst. (H_2O). Mp 252° dec.

Me ester: [1882-72-0].
$C_8H_9NO_3$ M 167.164
Yellow needles. Mp 158°.

Et ester:
$C_9H_{11}NO_3$ M 181.191
Cryst. (EtOH). Mp 140°.

Me ether: [6705-03-9]. *2-Amino-5-methoxybenzoic acid. 5-Methoxyanthranilic acid.*
$C_8H_9NO_3$ M 167.164
Needles (H_2O). Mp 179-180°.

Puxeddu, E. *et al*, *Gazz. Chim. Ital.*, 1929, **59**, 14, 492.
van der Stelt, C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1953, **72**, 195.
Zeitler, H.J., *Hoppe-Seylers Z. Physiol. Chem.*, 1965, **340**, 73 (*synth, props*)
CRC Atlas of Spectral Data and Physical Constants for Organic Compounds, 1973, 6844 (*uv*)
Mitchell, S.C. *et al*, *J. Chromatogr.*, 1978, **151**, 249.

3-Amino-4-hydroxybenzoic acid A-00263

[1571-72-8]

$C_7H_7NO_3$ M 153.137

Yellow-amber prisms (H_2O). Mp 201°, 210°. pK_a 4.93.

B,HCl: [1571-65-9]. Mp 275° dec.

Me ester: [536-25-4]. *Orthocaine. Orthoform New. Orthoderm.*
$C_8H_9NO_3$ M 167.164
Local anaesthetic (no longer in widespread use). Light-brown needles (C_6H_6, AcOH, $CHCl_3$ or EtOH aq.). Mp 142° (form 1), 110-111° (90°) (form 2). Dimorphic.

▷DG2750000.

Et ester: [13052-92-1]. *Anaesthaminol.*
$C_9H_{11}NO_3$ M 181.191
Local anaesthetic. Dimorphic. Needles ($CHCl_3$/pet. ether) or plates (EtOAc). Mp 84° and 112° resp.

Me ether: [2840-26-8]. *3-Amino-4-methoxybenzoic acid. 3-Aminoanisic acid.*
$C_8H_9NO_3$ M 167.164
Needles (H_2O). Mp 204°.

▷DG2872000.

Bacq, Z.M. *et al*, *Arch. Int. Pharmacodyn.*, 1935, **49**, 425 (*pharmacol, ester*)
Cavill, G.W.K., *J. Soc. Chem. Ind., London*, 1945, **64**, 212; *CA*, **40**, 561.
Beck, S.D. *et al*, *CA*, 1962, **57**, 16582e (*synth*)
CRC Atlas of Spectral Data and Physical Constants for Organic Compounds, 1973, b845, b846 (*uv, ir*)
Kalfus, K., *Collect. Czech. Chem. Commun.*, 1975, **40**, 3009.
Achenbach, H. *et al*, *Chem. Ber.*, 1977, **110**, 12 (*synth, deriv*)
Gill, R. *et al*, *J. Chromatogr.*, 1984, **301**, 155 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7637.

4-Amino-2-hydroxybenzoic acid A-00264

4-Aminosalicylic acid. p-*Aminosalicylic acid. PAS. Rezipas. Pamisyl. Propasa*

$C_7H_7NO_3$ M 153.137

Tuberculostatic, antibacterial, often administered as Na, K or Ca salt. Needles or plates ($EtOH/Et_2O$). Mp 147°, 150-151°, 240° dec. pK_a 3.52.

▷Mod. toxic

Me ester: [4136-97-4].
$C_8H_9NO_3$ M 167.164

Tuberculostatic. Pale-yellow cryst. Mp 120-121°, 136° dec.

Et ester: [6059-17-2].
$C_9H_{11}NO_3$ M 181.191
Tuberculostatic. Prisms or tablets (EtOH). Mp 113-115°. $Bp_{0.3}$ 125-127°.
▷VO1625000.

Ph ester: [133-11-9]. *Phenyl aminosalicylate, BAN, USAN.* ***Fenamisal, INN.*** *p-Aminosalol. Temposil. NSC 40144.*
$C_{13}H_{11}NO_3$ M 229.235
Tuberculostatic. Cryst. (2-propanol). Mp 153°.

Diethylaminoethyl ester: see Hydroxyprocaine, H-00206

Isonicotinyl hydrazide ester: [2066-89-9]. ***Pasiniazid, INN.*** *RD 328.*
$C_{13}H_{14}N_4O_4$ M 290.278
Tuberculostatic. Yellow cryst. (MeOH). Mp 142-144°.

Me ether: [2486-80-8]. *4-Amino-2-methoxybenzoic acid.*
$C_8H_9NO_3$ M 167.164
Mp 157-158°.

Nitrile: [67608-58-6]. *4-Amino-2-hydroxybenzonitrile. 5-Amino-2-cyanophenol.*
$C_7H_6N_2O$ M 134.137
Yellow needles (EtOAc/C_6H_6). Mp 182°.

O-*Et*, N-*Ac*, *Me ester:* [59-06-3]. *4-(Acetylamino)-2-ethoxybenzoic acid methyl ester, 9CI.* ***Ethopabate, BAN.*** *Ethyl pabate.*
$C_{12}H_{15}NO_4$ M 237.255
Veterinary antiprotozoal drug. Pinkish-white cryst. (MeOH aq.). Mp 148-149°.

N-*Benzoyl:* [13898-58-3]. *4-(Benzamido)salicylic acid.*
$C_{14}H_{11}NO_2$ M 225.246
Tuberculostatic. Needles. Mp 260-261°.

N-*Benzoyl, Ca salt (2:1):* [5631-00-5]. *Calcium benzamidosalicylate, BAN, INN. Benzoylpas calcium, USAN. Temposil. Benzapas. Therapas.*

Na salt: [6018-19-5]. *Aminosalicylate sodium, USAN. Pamisyl sodium.* Antibacterial agent (tuberculostatic).

Ca salt: [6059-16-1]. *Aminosalicylate calcium, USAN.* Antibacterial agent (tuberculostatic).

Drain, D.J. *et al, J. Chem. Soc.*, 1949, 1498 (*synth*)
Bavin, E.M. *et al, J. Pharm. Pharmacol.*, 1953, **5**, 849 (*pharmacol, N-benzoyl*)
Grimme, W. *et al, Chem. Ber.*, 1954, **87**, 179 (*deriv*)
Van der Stelt, C. *et al, Arzneim.-Forsch.*, 1954, **4**, 544 (*synth, pharmacol, N-benzoyl*)
Meyer, H.C., *Antibiot. Ann.*, 1957-58, 614 (*Fenamisal*)
Rogers, E.F. *et al, Proc. Soc. Exp. Biol. Med.*, 1964, **117**, 488 (*Ethopabate*)
Kakemi, K. *et al, Chem. Pharm. Bull.*, 1967, **15**, 1819 (*esters, props*)
Iyer, K.S.N. *et al, Indian J. Chem.*, 1970, **8**, 964 (*derivs, props*)
Bernheim, F., *Drill's Pharmacol. in Medicine*, 1971, McGraw-Hill, 4th Ed. (*rev*)
CRC Atlas of Spectral Data and Physical Constants for Organic Compounds, 1973, b847 (*uv, ir, nmr, ms*)
Lin, C.T. *et al, J. Chem. Soc., Perkin Trans. 2*, 1978, 957, 963 (*cryst struct*)
Wesolowski, M., *Sci. Pharm.*, 1980, **48**, 393 (*synth, rev*)
Hassan, M.M.A., *Anal. Profiles Drug Subst.*, 1981, **10**, 1 (*rev*)
Bergeron, R.J. *et al, J. Org. Chem.*, 1987, **52**, 144 (*deriv, synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 438, 667, 2671, 3016 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7551, 7552, 7553, 7560, 7564, 7571, 12705.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 363.

4-Amino-3-hydroxybenzoic acid A-00265

[2374-03-0]

$C_7H_7NO_3$ M 153.137
Microbial degradation product of Chloramphenicol. Plates (EtOH aq.). Mp 216°. pK_a 4.59.

Me ester: [63435-16-5]. *Orthoform-old.*
$C_8H_9NO_3$ M 167.164
Local anaesthetic (no longer in widespread use). Plates (C_6H_6 or H_2O). Mp 120-121°.

Et ester:
$C_9H_{11}NO_3$ M 181.191
Plates ($CHCl_3$/ligroin).

Einhorn, A. *et al, Justus Liebigs Ann. Chem.*, 1900, **311**, 43.
Lingens, F. *et al, Biochim. Biophys. Acta*, 1966, **130**, 245.
Seydel, J.K. *et al, J. Med. Chem.*, 1977, **20**, 439.
Buess, M.L. *et al, Org. Mass. Spectrom.*, 1984, **22**, 233 (*N-14 nqr*)

5-Amino-2-hydroxybenzoic acid A-00266

5-Aminosalicylic acid. ***Mesalazine, BAN, INN.*** *Mesalamine, USAN. Asacol. Asalit. Claversal. Fisalamine. Pentasa. Rowasa. Salofalk. 5-ASA. Numerous proprietary names*

[89-57-6]

$C_7H_7NO_3$ M 153.137
Drug used for treatment of ulcerative colitis. Esters used as sunscreens. Antiinflammatory agent. Needles ($NaHSO_3$ aq.). Mp 283° dec.
▷VO1400000.

Me ester: [42753-75-3].
$C_8H_9NO_3$ M 167.164
Needles (C_6H_6). Mp 96°.

Et ester: [62773-65-3].
$C_9H_{11}NO_3$ M 181.191
Needles (EtOH). Mp 145°.

Amide: [59393-77-0].
$C_7H_8N_2O_2$ M 152.152
Needles (NH_3 aq.). Mp 194-197° dec.

Nitrile: [105430-53-3]. *2-Hydroxy-5-aminobenzonitrile. 4-Amino-2-cyanophenol.*
$C_7H_6N_2O$ M 134.137
Needles. Mp 160-162° (as hydrochloride).

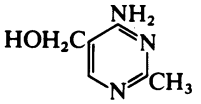
Me ether: [3403-47-2]. *5-Amino-2-methoxybenzoic acid.*
$C_8H_9NO_3$ M 167.164
Prisms (H_2O). Mp 153-154°.

Weil, H. *et al, Ber.*, 1922, **55**, 2664 (*synth*)
Shavel, J. *et al, J. Am. Pharm. Assoc.*, 1953, **42**, 402; *CA*, **48**, 9325.
CRC Atlas of Spectral Data and Physical Constants for Organic Compounds, 1973, b848 (*ir, uv*)
Lepri, L. *et al, J. Chromatogr.*, 1974, **88**, 331.
Georgieva, M., *Anal. Chim. Acta*, 1978, **101**, 139.
Hoult, J.R.S., *Drugs*, 1986, **32**, 18 (*rev*)
Bergeron, R.J. *et al, J. Org. Chem.*, 1987, **52**, 144 (*nitrile*)
Myers, B. *et al, Gut*, 1987, **28**, 196 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8427.

4-Amino-5-(hydroxymethyl)-2-methylpyrimidine A-00267

4-Amino-2-methyl-5-pyrimidinemethanol, 9CI. ***Toxopyrimidine.*** *Pyramin*

[73-67-6]



$C_6H_9N_3O$ M 139.157

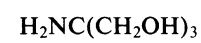
Pyridoxine antagonist. Cryst. (MeOH/Et_2O or H_2O). Mp 198-200° (193-198°).

Dornow, A. *et al, Chem. Ber.*, 1953, **86**, 1404 (*synth*)
Di Bella, E.P., *J. Org. Chem.*, 1961, **26**, 2017 (*synth*)
Morimoto, H. *et al, Chem. Ber.*, 1973, **106**, 893 (*synth*)
Wood, D.J. *et al, FEBS Lett.*, 1973, **34**, 323 (*pmr, conformn*)
Panijpan, B. *et al, J. Chromatogr.*, 1982, **245**, 144 (*hplc*)

2-Amino-2-hydroxymethyl-1,3-propanediol, 9CI A-00268

Trimethylolaminomethane. Tris(hydroxymethyl)aminomethane. Aminotris(hydroxymethyl)methane. ***Tromethamine, USAN.*** *Trometamol, BAN, INN, JAN. Trisamine. Tris buffer. Talatrol. THAM. NSC 6365. Other proprietary names*

[77-86-1]



$C_4H_{11}NO_3$ M 121.136

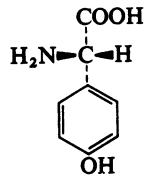
Used in the synth. of surfactants, vulcanisation accelerators and pharmaceuticals. Also a titrimetric standard, emulsifying agent and absorbent for acidic gases. Alkalizer and osmotic diuretic. Cryst. mass. Sol. H_2O, EtOH, insol. Et_2O. Mp 171-172°. Bp_{10} 219-220°. pK_a 8.08 (25°).

▷Irritant. TY2900000.

Johnson, K. *et al, J. Org. Chem.*, 1943, **8**, 7 (*synth*)
Whitehead, T.H., *J. Chem. Educ.*, 1959, **36**, 297 (*use*)
Nahas, G.C., *Pharmacol. Rev.*, 1962, **14**, 447 (*rev*)
v. Artsdalen, E.R. *et al, J. Phys. Chem.*, 1971, **75**, 1338 (*pmr*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **1**, 961 (*manuf, use rev*)
Eur. Pat., 3 460, (*1979*); *CA*, **92**, 6045q (*synth*)
Kendi, E., *Z. Kristallogr.*, 1982, **160**, 139 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 245 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 260.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2558.

2-Amino-2-(4-hydroxyphenyl)acetic acid A-00269

α-Amino-4-hydroxybenzeneacetic acid, 9CI. 2-(p-Hydroxyphenyl)glycine, 8CI. ***Oxfenicine, BAN, USAN, INN***



(S)-form

$C_8H_9NO_3$ M 167.164

(R)-form

D-form

Starting material for β-lactam antibiotics. Drug used for treatment of ischaemic heart disease. Vasodilator. $[\alpha]_D^{25}$ −158.4° (c, 1 in 1M HCl).

(S)-form [32462-30-9]

Component of Enduracidins and other antibiotics; isol. from *Caesalpinia tinctoria* etc.

(±)-form

Plates (H_2O). Spar. sol. H_2O, insol. Et_2O. Dec. at 200° without melting.

Me ether:

$C_9H_{11}NO_3$ M 181.191

Mp 200° dec.

Amide:

$C_8H_{10}N_2O_2$ M 166.179

Mp 135-136°.

N-*Carbamoyl:*

$C_9H_{10}N_2O_4$ M 210.189

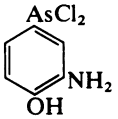
Isol. from leaves of *Vicia faba.*

Meldola, R. *et al, J. Chem. Soc.*, 1917, 551 (*synth*)
Larsen, P.O. *et al, Biochim. Biophys. Acta*, 1975, **381**, 397 (*isol*)
Smith, G.A. *et al, J. Chem. Soc., Perkin Trans. 1*, 1975, 2108 (*isol*)
Blackburn, K.J. *et al, Br. J. Pharmacol.*, 1979, **66**, 443p (*pharmacol*)
Rajanada, V. *et al, J. Chem. Soc., Perkin Trans. 1*, 1979, 29 (*isol*)
Williams, D.H. *et al, J. Chem. Soc., Perkin Trans. 1*, 1979, 737 (*isol*)
Yamada, S. *et al, Agric. Biol. Chem.*, 1979, **43**, 396 (*synth*)
McGahren, W.J. *et al, J. Am. Chem. Soc.*, 1980, **102**, 1671 (*isol*)
Yoshioka, R. *et al, Bull. Chem. Soc. Jpn.*, 1987, **60**, 649 (*resoln, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13061.

(3-Amino-4-hydroxyphenyl)arsinous dichloride, 9CI A-00270

2-Amino-4-(dichloroarsino)phenol, 8CI. (3-Amino-4-hydroxyphenyl)dichloroarsine. Chlorarsen. Dichlorophenarsine. Filarsen. Arsphendichloride. DCM

[455-83-4]



$C_6H_6AsCl_2NO$ M 253.947

Formerly important antisyphilitic drug.

B,HCl: [536-29-8]. White hygroscopic powder. Sol. H_2O with hydrol. Mp 200°.

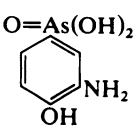
▷SJ5775000.

Binz, A. *et al, Z. Angew. Chem.*, 1921, **34**, 261 (*synth*)
Toshima, S., *Jpn. J. Pharm. Chem.*, 1948, **20**, 203 (*pharmacol*)
Vasilév, S.V. *et al, CA*, 1951, **45**, 6594 (*synth*)
Dub, M., *Organometallic Compounds*, vol III, 1968, Springer-Verlag, New York, 2nd Ed., 184.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 399 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12646.

(3-Amino-4-hydroxyphenyl)arsonic acid, 9CI A-00271

3-Amino-4-hydroxybenzenearsonic acid. 2-Aminophenol-4-arsonic acid

[2163-77-1]



$C_6H_8AsNO_4$ M 233.055

Spar. sol. H_2O, most org. solvs. Mp 290° dec. (darkens at 220°).

▷Toxic. CF9500000.

N-*Ac:* [97-44-9]. ***Acetarsol, INN.*** *Acetarsone. Acetphenarsine. Stovarsol. Numerous other synonyms.*
$C_8H_{10}AsNO_5$ M 275.092
Antisyphilitic, antiprotozoal, freq. for vet. use. Mp 220-221° (240-250° dec.).

▷CF8400000.

N-*Ac, Diethylamine salt (1:1):* [534-33-8]. *Acetylarson.*

▷CF8600000.

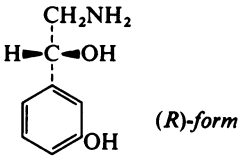
N-Ac, 2-Hydroxyethylamine salt: Solvarsin. Numerous other synonyms. Sol. H_2O, spar. sol. org. solvs.

Ehrlich, P. *et al, Ber.*, 1912, **45**, 757, 765 (*synth*)
Jacobs, W.A. *et al, J. Am. Chem. Soc.*, 1918, **40**, 1590 (*synth*)
Christiansen, W.G. *et al, J. Am. Chem. Soc.*, 1925, **47**, 2719 (*synth*)
Phillips, M.A., *Manuf. Chem.*, 1953, **24**, 471 (*manuf*)
Bliznyukov, V.I. *et al, CA*, 1969, **71**, 64039 (*uv*)
Vantak, D.G. *et al, J. Indian Chem. Soc.*, 1969, **31**, 2747.
Korp, J.D. *et al, J. Crystallogr. Spectrosc. Res.*, 1983, **13**, 263 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4752, 4753, 4774.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 902.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 102.

2-Amino-1-(3-hydroxyphenyl)ethanol A-00272

α-Aminomethyl-3-hydroxybenzenemethanol, 9CI. m-*Octopamine.* α-(*Aminomethyl*)-m-*hydroxybenzyl alcohol, 8CI.* ***Norfenefrine, INN.*** m-*Norsynephrine*

[536-21-0]



(*R*)-*form*

$C_8H_{11}NO_2$ M 153.180
Sympathomimetic drug.

▷DN7250000.

(*R*)-*form*

B,HCl: [636-87-3]. Prisms (MeOH/Et_2O). Mp 128-130°. $[\alpha]_D^{18}$ +49.81° (c, 0.4 in MeOH).

N-*Me:* [59-42-7]. *3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, 9CI.* m-*Hydroxy-α-[(methylamino)methyl]benzyl alcohol, 8CI. 1-*m-*Hydroxyphenyl-2-methylaminoethanol.* ***Phenylephrine, BAN, INN.*** m-*Sympatol.*
$C_9H_{13}NO_2$ M 167.207
Sympathomimetic, vasoconstrictor, mydriatic, cardiotonic agent. Mp 177° (169-172°).

▷DO7175000.

N-*Me; B,HCl:* [61-76-7]. *Phenylephrine hydrochloride, USAN. Neophyrn. Neosynephrine. Fenox. Sinutab. Adrianol. Numerous proprietary names.*
$C_{10}H_{15}NO_2$ M 181.234
Mp 143°. $[\alpha]_D^{25}$ −47.2° (HCl). Component of Demazin, Novahistine and numerous other pharmaceutical preparations.

▷DO7525000.

(*S*)-*form*

N-*Me:* Mp 175°. $[\alpha]_D^{20}$ +56° (neat + HCl).
N-*Di-Me:* Mp 85-86°. $[\alpha]_D^{20}$ +64.7° (c, 1.2 in MeOH).

(±)-*form* [13026-50-1]
Mp 158-159°. pK_a 9.56 (25°, phenol).

▷DN7250010.

B,HCl: [15308-34-6]. Mp 159-160°.

▷DN7360000.

N-*Me:*
$C_9H_{13}NO_2$ M 167.207
Mp 184°.

N-*Di-Me:*
$C_{10}H_{15}NO_2$ M 181.234
Mp 119-121°.

3-Me ether; B,HCl:
$C_9H_{13}NO_2$ M 167.207
Mp 113-114°.

N-*Et:* [709-55-7]. ***Etilefrine, INN.*** *Ethylphenephrine. Etiladrianol.*
$C_{10}H_{15}NO_2$ M 181.234
Analeptic, sympathomimetic agent. Mp 147-148°.

▷DO5600000.

N-*Et; B,HCl:* [943-17-9]. *Eftortil. Circupon. Apocretin. Palsamin. Kertasin. M-I-36. Pressoton. Effoless. Sanlephrin.* Mp 121°.

▷DO5618000.

N-*Et,* O^3-(*2,2-dimethylpropanoyl):* [85750-39-6]. ***Etilefrine pivalate, INN.*** *K 30052.*
$C_{15}H_{23}NO_3$ M 265.352
Sympathomimetic.

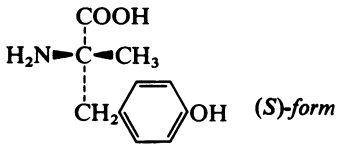
N-*Et,* O^3-(*2,2-dimethylpropanoyl); B,HCl:* [42145-91-5]. Cryst. (2-propanol). Mp 209.4°.

Bretschneider, H. *et al, Monatsh. Chem.*, 1950, **81**, 31 (*resoln*)
Hartman, W.J. *et al, J. Am. Chem. Soc.*, 1955, **77**, 816 (*biosynth*)
D'Amico, *et al, Chem. Ind.* (*Milan*), 1956, **38**, 93 (*synth, resoln*)
Chatterjee, A. *et al, J. Chem. Soc.*, 1961, 4576 (*synth*)
Thies, H. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1962, **295**, 194 (*uv*)
Patil, P.N. *et al, J. Pharm. Pharmacol.*, 1967, **19**, 199 (*pharmacol*)
Britten, A.Z., *Chem. Ind.* (*London*), 1968, 771 (*synth*)
Reisch, J. *et al, J. Pharm. Pharmacol.*, 1968, **20**, 81 (*ms*)
Reisch, J. *et al, Fresenius' Z. Anal. Chem.*, 1968, **238**, 29 (*pmr, cryst struct, deriv*)
Karoum, F. *et al, Anal. Biochem.*, 1972, **47**, 550 (*glc*)
Ger. Pat., 2 152 058, (*1973*); *CA*, **79**, 18354 (*pivalate*)
Kametani, T. *et al, J. Heterocycl. Chem.*, 1973, **10**, 451 (*synth, cd, abs config*)
L'Hermite, P. *et al, Ann. Pharm. Fr.*, 1973, **31**, 167 (*metab*)
Brachwitz, H., *Z. Chem.*, 1974, **14**, 268 (*synth*)
Gaglia, C.A., *Anal. Profiles Drug Subst.*, 1974, **3**, 483 (*rev*)
Andersen, A.M., *Acta Chem. Scand., Ser. B*, 1976, **30**, 193 (*cryst struct*)
Wagner, J. *et al, J. Pharm. Sci.*, 1980, **69**, 1423 (*resoln, pivalate*)
Bhaduri, D. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 350 (*cryst struct, Phenylephrine*)
Ferguson, G. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1436 (*cryst struct*)
Knorr, H. *et al, Arzneim.-Forsch.*, 1984, **34**, 1709 (*synth, Etilefrine*)
Eisenburger, R. *et al, Arzneim.-Forsch.*, 1985, **35**, 1076 (*pivalate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 943, 1282, 1679.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2061, 2089, 2094.

2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid A-00273

α-Methyltyrosine, *9CI*

[658-48-0]



$C_{10}H_{13}NO_3$ M 195.218

(*S*)-form [672-87-7]

L-form. ***Metirosine*, *BAN*, *INN***. *Metyrosine*, *USAN*. *Demser. L 588357. MK 781*

Antihypertensive agent (tyrosine hydroxylase inhibitor). Cryst. Mp 310-315°.

(±)-form [620-30-4]

Racemetirosine*, *INN. *AMPT*

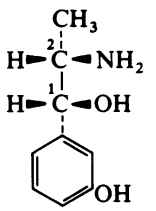
Antihypertensive agent. Cryst. (H_2O). Dec. at 320° (330°).

Potts, K.T., *J. Chem. Soc.*, 1955, 1632.
Stein, G.A. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 700.
Saari, W.S., *J. Org. Chem.*, 1967, **32**, 4074 (*synth*)
Engelman, K. *et al*, *J. Clin. Invest.*, 1968, **47**, 568, 577 (*metab, pharmacol*)
Milne, G.W.A. *et al*, *Anal. Chem.*, 1973, **45**, 1952 (*ms*)
Gaudestad, O. *et al*, *Acta Chem. Scand., Ser. B*, 1976, **30**, 501 (*cryst struct*)
Brogden, R.N. *et al*, *Drugs*, 1981, **21**, 81 (*rev, pharmacol*)
O'Donnell, M.J. *et al*, *Tetrahedron Lett.*, 1982, **23**, 4259 (*synth*)
Renger, B., *Arch. Pharm. (Weinheim, Ger.)*, 1982, **315**, 472 (*synth*)
Bjorkling, F. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4957 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15325.

2-Amino-1-(3-hydroxyphenyl)-1-propanol A-00274

α-(1-Aminoethyl)-3-hydroxybenzenemethanol, *9CI*. *α-(1-Aminoethyl)*-m-*hydroxybenzyl alcohol*, *8CI*. m-*Hydroxynorephedrine*

[7619-17-2]



$C_9H_{13}NO_2$ M 167.207

(*1R,2S*)-form [54-49-9]

Metaraminol*, *BAN*, *INN. *Pressonex*

Vasopressor, nasal decongestant, adrenergic.

▷DN4300000.

B,HCl: [5967-52-2]. Cryst. $[\alpha]_D^{20}$ −19.75° (c, 1 in H_2O).

▷DN4725000.

Hydrogen D-tartrate: [33402-03-8]. *Metaraminol bitartrate*, *USAN*. *Aramine*. Cryst. Mp 176-177°.

▷DN5160000.

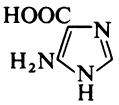
Cession-Fossion, A., *Arch. Int. Pharmacodyn. Ther.*, 1968, **172**, 421 (*pharmacol*)
Levy, B. *et al*, *Drill's Pharmacology*, (*Dipalma, J.R., Ed.*), 1971, McGraw-Hill, N.Y., 4th Ed., 627
B.P., 1 273 653, (*1972*); *CA*, **77**, 61591e (*synth*)
Ison, R.R. *et al*, *Mol. Pharmacol.*, 1973, **9**, 756 (*nmr*)
Tang, H. *et al*, *CA*, 1982, **97**, 91844 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1281 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2079.

5-Amino-1*H*-imidazole-4-carboxylic acid, A-00275

9CI

*5-Amino-4-glyoxalinecarboxylic acid. 4-Amino-1*H*-imidazole-5-carboxylic acid*

[4919-04-4]



$C_4H_5N_3O_2$ M 127.102

Amide: [360-97-4].
$C_4H_6N_4O_2$ M 142.117
Intermed. in purine biosynth. Cryst. (EtOH). Mp 170-171°.

▷Exp. neoplastic agent. NI3910000.

Amide; B,HCl: [72-40-2]. Cryst. ($EtOH/Et_2O/H_2O$). Mp 255-256° dec.

Amide, compd. with Orotic acid (1:1): [2574-78-9]. ***Orazamide*, *INN***. *Aicamin. Aicorat. Clinadol.* Used in treatment of liver disorders. Cryst. + $2H_2O$. Dec. at 284-285°.

▷NI3915000.

Amide, compd. with [N-(*Aminocarbonyl*)]-*L-aspartic acid:* [34879-34-0]. ***Urazamide***. *Aicase. Carbaica. Colahepat. Liporgol.*

Et ester: [21190-16-9].
$C_6H_9N_3O_2$ M 155.156
Needles (EtOAc/EtOH). Mp 180-181°.

Et ester; B,HCl: Mp 190-191°.

Et ester, N-*Ac:* [21189-96-8].
$C_8H_{11}N_3O_3$ M 197.193
Cryst. (EtOH). Mp 217-218°.

Et ester, N-*benzoyl:* [21190-00-1].
$C_{13}H_{13}N_3O_3$ M 259.264
Cryst. (EtOH). Mp 188-189°.

Nitrile: [5098-11-3]. *5-Amino-4-cyanoimidazole.*
$C_4H_4N_4$ M 108.102
Suspected intermed. in HCN polymerisation. Cryst. ($THF/CHCl_3$). Mp 123-125°.

N-*Me, amide:* [6736-40-9]. N-*Methyl-5-(methylamino)-1*H*-imidazole-4-carboxamide*, *9CI*. *5-(Methylamino)-4-(methylcarbamoyl)imidazole. Theophyllidine.*
$C_6H_{10}N_4O$ M 154.171
Cryst. (EtOAc). Mp 179-181° dec.

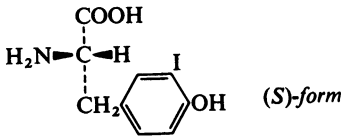
N-*Me, amide; B,HCl:* Mp 195° dec.

Kulev, L.P. *et al*, *Zh. Obshch. Khim.*, 1959, **29**, 240 (*esters*)
Montgomery, J.A. *et al*, *J. Org. Chem.*, 1959, **24**, 256 (*amide*)
U.S.P., 3 271 398, (*1966*) (*Orazamide*)
Ferris, J.P. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 3829 (*nitrile*)
Hashimoto, S., *J. Vitiminol. (Kyoto)*, 1967, **13**, 9, 19 (*Orazamide*)
Ger. Pat., 2 101 400, (*1971*); *CA*, **76**, 34251 (*Urazamide*)
Buchman, R. *et al*, *J. Med. Chem.*, 1974, **17**, 1168 (*Theophyllidine*)
Carminati, G.M., *Drugs Exp. Clin. Res.*, 1980, **6**, 471 (*Urazamide*)
Simon, K. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2323 (*cryst struct, amide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13042.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 223.

2-Amino-3-(3-iodo-4-hydroxyphenyl)-propanoic acid A-00276

3-Iodotyrosine, 9CI. Monoiodotyrosine. Iotyrosine

[70-78-0]



(*S*)-*form*

$C_9H_{10}INO_3$ M 307.087

^{131}I labelled cpd. is used as a radioactive agent.

(*S*)-*form*

L-form

Occurs in thyroid tissue and human blood serum. Prod. by sponges. Cryst. (H_2O). Sol. hot H_2O. Mp 202-204°. $[\alpha]_D^{20}$ −4.4° (c, 5 in 1M HCl).

(±)-*form*

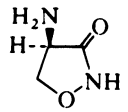
Cryst. + $1H_2O$ (H_2O). Mp 200-201° dec.

Harington, C.R. *et al*, *Biochem. J.*, 1944, **38**, 320 (*synth*)
Hillman, G. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1956, **305**, 177 (*synth*)
Pitt-Rivers, R. *et al*, *Chem. Ind. (London)*, 1956, 21 (*synth*)
Wynn, J., *Arch. Biochem. Biophys.*, 1960, **88**, 98.
Bednar, J. *et al*, *Radiochem. Radioanal. Lett.*, 1980, **45**, 377 (*use*)

4-Amino-3-isoxazolidinone, 9CI, 8CI A-00277

Cycloserine, BAN, INN, USAN. *Cyclomycin. Closina. Micoserina. Farmiserina. Orientomycin. Oxymycin. Antibiotic 106-7. Antibiotic 5915. Antibiotic 8217. Antibiotic 17452. Antibiotic E 733A. Antibiotic I 1431. Antibiotic K 300. Antibiotic NJ-21. Antibiotic PA 94. Antibiotic Ro 1-9213. Oxamycin. Seromycin. Other proprietary names*

[4834-58-6]



$C_3H_6N_2O_2$ M 102.093

(*R*)-*form* [68-41-7]

Prod. by *Streptomyces garyphalus, S. orchidaceus, S. lavendulae* and *S. nagasakiensis*. Shows antibiotic activity primarily against mycobacteria. Tuberculostatic. Cryst. Sol. H_2O, alkalis. Mp 155-156° dec. $[\alpha]_D^{23}$ +116° (c, 1.17 in H_2O). Of limited clinical use due to toxicity.

▷NY2975000.

N-*Ac:*

$C_5H_8N_2O_3$ M 144.130

Needles. Mp 179-180°.

N,N′-*Di-Ac:*

$C_7H_{10}N_2O_4$ M 186.167

Chunky needles (Me_2CO). Mp 121-122°.

(±)-*form* [68-39-3]

Mp 137-140°.

▷NY2974900.

Harned, R.L. *et al*, *Antibiot. Chemother. (Washington, D.C.)*, 1955, **5**, 204 (*struct*)
Stammer, C.H. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 2344, 2345, 2346 (*struct, synth, isol*)
Stammer, C.H. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3236 (*synth, resoln*)
Milne, G.W.A. *et al*, *Tetrahedron*, 1967, **23**, 65 (*nmr, ms*)
Neuhaus, F.C., *Antibiotics, (N.Y.)*, 1967, **1**, 40 (*rev*)
Lamb, J.W., *Anal. Profiles Drug Subst.*, 1972, **1**, 53 (*rev, synth, anal*)
O'Brien, P., *Met. Ions Biol. Syst.*, 1985, **19**, 295 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 107 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 64.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 847.

3-Amino-2-mercaptopropanoic acid A-00278

2-Mercapto-β-alanine. Isocysteine

[17617-04-8]

$H_2NCH_2CH(SH)COOH$

$C_3H_7NO_2S$ M 121.154

(±)-*form*

Radioprotector for thymus cells.

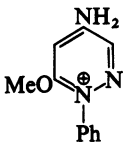
B,HCl: Cryst. (EtOH). Mp 141°.

Gabriel, S., *Ber.*, 1905, **38**, 630.
Hagen, U. *et al*, *Z. Naturforsch.*, 1957, **126**, 240 (*props*)
Braun, H., *Experientia*, 1968, **24**, 1145.
Braun, H. *et al*, *CA*, 1968, **69**, 34473.
Nagata, C. *et al*, *Radiat. Res.*, 1978, **73**, 430 (*props*)

4-Amino-6-methoxy-1-phenylpyridazinium(1+), 9CI A-00279

Amezinium(1+)

[41658-78-0]



$C_{11}H_{12}N_3O^{\oplus}$ M 202.235 (ion)

Methylsulfate: [30578-37-1]. *Amezinium metilsulfate, INN. Regulton. Lismont. Supratonin. LU 1631.*

$C_{12}H_{15}N_3O_5S$ M 313.328

Antidepressant, antihypertensive agent. Cryst. (MeCN). Mp 173-174°.

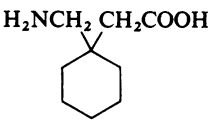
▷UR6066500.

Lenke, D. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1533, 1544, 1558, 1566, 1574, 1580, 1594, 1638, 1647 (*pharmacol, metab*)
Reicheneder, F. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1529 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12353.

1-(Aminomethyl)cyclohexaneacetic acid, 9CI A-00280

Gabapentin, INN. *Gö 3450*

[60142-96-3]



$C_9H_{17}NO_2$ M 171.239

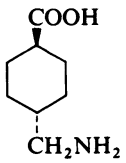
CNS depressant. Cryst. ($EtOH/Et_2O$). Mp 162-166°.

B,HCl: Cryst. ($Me_2CO/MeOH/Et_2O$). Mp 117-118°.

Ger. Pat., 2 460 891, (*1976*); *CA*, **85**, 94679h (*synth*)
Hengy, H. *et al*, *J. Chromatogr.*, 1985, 341, 473 (*hplc*)
Bartoszyk, G.D. *et al*, *Curr. Probl. Epilepsy*, 1986, **4**, 147 (*rev, pharmacol*)
Vollmer, K.O. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 830 (*metab*)

4-(Aminomethyl)cyclohexanecarboxylic acid, 9CI, 8CI A-00281

[701-54-2]



$C_8H_{15}NO_2$ M 157.212

cis-form [1197-17-7]

Cryst. (Me_2CO aq.). Mp 236-238° dec.

B,HCl: [3667-38-7]. Prims (Me_2CO aq.). Mp 195-197° dec.

N-*Ac:* [20704-65-8]. Prisms (EtOH). Mp 189-190°.

trans-form [1197-18-8]

Tranexamic acid, BAN, USAN, INN, JAN. *Amstat. Cyclokapron*

Antiplasminic, haemostatic agent. Cryst. (Me_2CO/EtOH aq.). V. spar. sol. EtOH, Et_2O. Mp 386-392° dec.

▷GU8400000.

B,HCl: [3667-39-8]. Needles (Me_2CO aq.). Mp 238-242° dec.

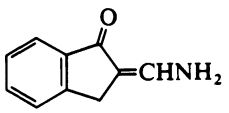
N-*Ac:* [20704-66-9]. Prisms (Me_2CO). Mp 154-155°.

Levine, M. *et al, J. Org. Chem.*, 1959, **24**, 115 (*synth*)
Naito, T. *et al, Chem. Pharm. Bull.*, 1968, **16**, 728 (*synth, ir*)
Isoda, S. *et al, Chem. Pharm. Bull.*, 1979, **27**, 2735.
Nilsson, I.M., *J. Clin. Pathol.* (*R. Coll. Pathol.*), 1980, **14**, 41 (*rev*)
Pilbrant, A. *et al, Eur. J. Clin. Pharmacol.*, 1981, **20**, 65 (*pharmacol*)
Yamazaki, K. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1447 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1002 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1726.

2-(Aminomethylene)-1-indanone A-00282

2-(Aminomethylene)-2,3-dihydro-1H-inden-1-one, 9CI. ***Drinidene, USAN.*** *CL 24877*

[53394-92-6]



$C_{10}H_9NO$ M 159.187

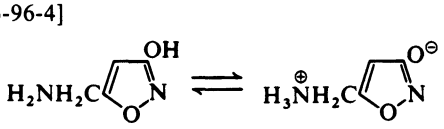
Analgesic. Yellow cryst. (EtOH). Mp 166-168°.

Ger. Pat., 2 360 096, (*1974*); *CA*, **81**, 105093h (*synth, pharmacol*)

5-(Aminomethyl)-3(2*H*)-isoxazolone, 9CI A-00283

Pantherine. *Agarin. Muscimol. Pyroibotenic acid. β-Toxin*

[2763-96-4]



$C_4H_6N_2O_2$ M 114.104

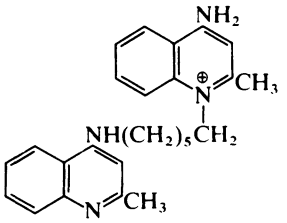
Constit. of fly agaric (*Amanita muscaria*). Potent agonist of γ-aminobutyric acid, used in neurochemical research. Insecticide against flies. Cryst. (EtOH). Mp 174-176° dec. In solid phase, exists as betaine.

▷NY3325000.

Nakamura, N., *Chem. Pharm. Bull.*, 1971, **19**, 46 (*synth*)
Brehm, C. *et al, Acta Chem. Scand.*, 1972, **26**, 1298 (*cryst struct*)
Krogsgaard-Larsen, P., *Acta Chem. Scand., Ser. B*, 1976, **30**, 281 (*synth*)
Krogsgaard-Larsen, P., *Acta Chem. Scand., Ser. B*, 1981, **35**, 311 (*pharmacol*)
McCarry, B.E. *et al, Tetrahedron Lett.*, 1981, 5153 (*synth*)
Konda, Y. *et al, Chem. Pharm. Bull.*, 1985, **33**, 1083 (*ir, pmr, cmr, struct, synth, bibl*)
Chiarino, D. *et al, Tetrahedron Lett.*, 1986, **27**, 3181 (*synth*)

4-Amino-2-methyl-1-[6-[(2-methyl-4-quinolinyl)amino]hexyl]quinolinium(1+) A-00284

4-Amino-1-[6-[(2-methyl-4-quinolyl)amino]hexyl]-quinaldinium



$C_{26}H_{31}N_4^{\oplus}$ M 399.558 (ion)

Trypanocide.

Iodide: Tozocide.

$C_{26}H_{31}IN_4$ M 526.462

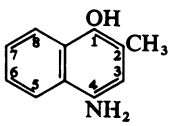
Iodide, B,HI: Cryst. Mp 288-289° dec.

Austin, W.C. *et al, Nature*, 1957, **179**, 143 (*props*)
Austin, W.C. *et al, J. Chem. Soc.*, 1958, 1489 (*synth*)
Hawking, F., *Ann. Trop. Med. Parasitol.*, 1963, **57**, 262 (*props*)

4-Amino-2-methyl-1-naphthol, 8CI A-00285

4-Amino-2-methyl-1-naphthalenol, 9CI. Vitamin K_5

[83-70-5]



$C_{11}H_{11}NO$ M 173.214

Used for stabilisation of urine and treatment of hypothrombinemia.

▷QL3350000.

B,HCl: [130-24-5]. *Synkamine. Kayvisyn.* Needles (HCl aq.). Mp 280-282° dec. (darkens at 260°).

N-*Ac:* [523-68-2]. *4-Acetamido-2-methyl-1-naphthol.* ***Acetyl-Vitamin K5.*** *Kavitrat. K-Vitrat.*

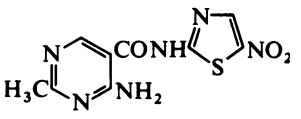
$C_{13}H_{13}NO_2$ M 215.251

Prothrombogenic vitamin. Needles. Mp 208-210°.

Sah, P.P.T., *Recl. Trav. Chim. Pays-Bas*, 1941, **60**, 373 (*synth*)
Veldstra, H. *et al, Recl. Trav. Chim. Pays-Bas*, 1943, **62**, 75 (*synth*)
Gaultier, J. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1967, **264**, 766 (*cryst struct*)
Madelmont, J.C. *et al, J. Labelled Compd. Radiopharm.*, 1978, **14**, 281 (*synth*)
Prenzel, U. *et al, J. Chromatog.*, 1982, **242**, 9 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7909.

4-Amino-2-methyl-*N'*-(5-nitro-2-thiazolyl)-5-pyrimidinecarboxamide, 8CI A-00286

[32179-61-6]



$C_9H_8N_6O_3S$ M 280.261

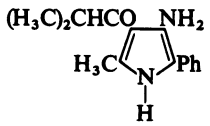
Thiamine antimetab. Cryst. (H_2O). Mp 182°.

Nabih, I. *et al*, *Experientia*, 1971, **27**, 143.

3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole A-00287

1-(4-Amino-2-methyl-5-phenyl-1H-pyrrol-3-yl)-2-methyl-1-propanone, 9CI. ***Isoprazone, BAN, INN.*** *Iprazone. DL-809-IT. MDL-809. L 11809*

[56463-68-4]



$C_{15}H_{18}N_2O$ M 242.320

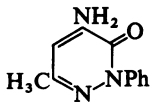
Analgesic, antiinflammatory, antipyretic and uricosuric agent. Cryst. (MeOH/Et_2O). Mp 180-183°.

U.S.P., 4 198 502, (*1980*); *CA*, **93**, 220579f (*synth, pharmacol*)
Assandri, A. *et al*, *Farmaco, Ed. Prat.*, 1984, **39**, 118 (*pharmacol*)
Tarzia, G. *et al*, *Farmaco, Ed. Sci.*, 1984, **39**, 538 (*synth*)

4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, 9CI A-00288

Methamphazone, BAN. *Metamfazone, INN*

[54063-49-9]



$C_{11}H_{11}N_3O$ M 201.227

Analgesic, antirheumatic agent. Cryst. (Me_2CO aq.). Mp 169°.

Overend, W.G. *et al*, *J. Chem. Soc.*, 1947, 549 (*synth*)
B.P. 600 532, (*1948*); *CA*, **42**, 8216

2-Amino-2-methyl-1-propanol A-00289

2-Aminoisobutanol

[124-68-5]

$(H_3C)_2C(NH_2)CH_2OH$

$C_4H_{11}NO$ M 89.137

Used in the synth. of surfactants, vulcanisation accelerators and pharmaceuticals, also as an emulsifying agent and absorbant for acidic gases. Protecting agent for carboxyl groups *via* oxazoline formn. Cryst. Sol. H_2O. Mp 30-31°. Bp 165°, Bp_{10} 67.4°.

▷Mod. toxic. UA5950000.

B,HCl: [3207-12-3]. Mp 202-203°.

Theophylline salt: see Theophylline, T-00169

▷*XH4375000.*

N-*Propyl*, O-*benzoyl:* [495-70-5]. ***Meprylcaine, INN.***
$C_{14}H_{21}NO_2$ M 235.325
Local anaesthetic.

N-*Propyl*, O-*benzoyl; B,HCl:* [956-03-6]. *Meprylcaine hydrochloride, USAN. Oracaine. Marvacaine. Meprocaine.* Cryst. (2-propanol). Mp 150-152°.

▷UB8654300.

Johnson, K. *et al*, *J. Org. Chem.*, 1943, **8**, 7 (*synth*)
U.S.P., 2 404 319, (*1946*); *CA*, **40**, 6214⁴ (*Bufylline*)
U.S.P., 2 767 207, (*1956*); *CA*, **51**, 583f (*Meprylcaine*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir, derivs*)
Lichter, R.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 2495 (*nmr*)
Sameski, J.E. *et al*, *Anal. Chem.*, 1975, **47**, 2116 (*cmr*)
Dewey, R.H. *et al*, *Kirk-Othmer Encycl. Chem. Technol.*, 1978, **1**, 961 (*rev, manuf, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 630.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 360.

3-(Aminomethyl)pyridine A-00290

3-Pyridinemethanamine, 9CI. 3-Pyridylmethylamine. β-Picolylamine. ***Picolamine, INN***

[3731-52-0]

$C_6H_8N_2$ M 108.143

Oil. Misc. H_2O, EtOH, Et_2O. Bp_{18} 112°.

B,AcOH: Mp 113°.

Picrate: Cryst. (EtOH). Mp 211°.

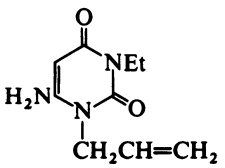
Salicylate: Picolamine salicylate. Algiospray. Alogspray. Pangesic. Ruptalgor. DR 4003. Topical analgesic.

Adkins, H. *et al*, *J. Am. Chem. Soc.*, 1944, **66**, 1293.
Fromherz, K. *et al*, *Helv. Physiol. Pharmacol. Acta*, 1948, **6**, 42 (*pharmacol*)
Fischer, E. *et al*, *Chimia*, 1969, **23**, 155.
Engbersen, J.F.J. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 989 (*synth*)

Aminometradine, BAN, INN A-00291

6-Amino-3-ethyl-1-(2-propenyl)-2,4-(1H,3H)-pyrimidinedione, 9CI. 1-Allyl-6-amino-3-ethyluracil, 8CI. 1-Allyl-6-amino-3-ethylpyrimidine-2,4-dione. Allacilum. Allacyl. Aminometramide. Catapyrin. Metravigor. Mincard. Mictine. SC 3497

[642-44-4]



$C_9H_{13}N_3O_2$ M 195.221

Diuretic. Cryst. (EtOAc/Et_2O); cryst. + $1H_2O$ (H_2O). Mp 143-144° (anhyd.).

▷YQ8665000.

Papesch, V. *et al*, *J. Org. Chem.*, 1951, **16**, 1879 (*synth*)
Kattus, A.A. *et al*, *Am. J. Med.*, 1952, **12**, 319 (*props*)
Ford, R.V. *et al*, *Am. J. Med. Sci.*, 1957, **234**, 640 (*props*)
Nielson, O., *Acta Pharmacol. Toxicol.*, 1961, **18**, 23 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2305.

4-Amino-1-naphthoic acid, 8CI A-00292

4-Amino-1-naphthalenecarboxylic acid, 9CI

[32018-87-4]

$C_{11}H_9NO_2$ M 187.198

Has some local anaesthetic props. Needles (H_2O). Spar. sol. C_6H_6, ligroin, H_2O. Mp 177°, 193-194°. pK_a 6.63 (50% EtOH aq.).

Et ester:
$C_{13}H_{13}NO_2$ M 215.251
Cryst. (EtOH). Mp 81°.

N-*Ac:*
$C_{13}H_{11}NO_3$ M 229.235
Needles (EtOH). Mp 189°.

2-(Diethylaminoethyl) ester; B,HCl: [550-34-5]. ***Naphthocaine***.
$C_{17}H_{22}N_2O_2$ M 286.373
Local anaesthetic. Pale-yellow cryst. Mp 212-216°.

Amide:
$C_{11}H_{10}N_2O$ M 186.213
Needles. Mp 175° dec.

Nitrile: [58728-64-6].
$C_{11}H_8N_2$ M 168.198
Mp 174°.

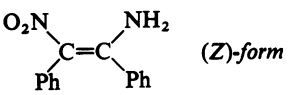
▷QJ1865000.

Weisberg, J., *Ber.*, 1895, **28**, 1838 (*synth*)
Blicke, F.F. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 1200.
Haury, V.G. *et al*, *J. Pharmacol.*, 1940, 70, 315 (*Naphthocaine*)
Parke, H.C. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 3316 (*synth*)
Elsevier's Encycl. Org. Chem., 1953, Ser. III, **12B**, 4188 (*bibl*)
Dewar, M.J.S. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3541 (*ir, bibl*)
Mentre, I., *Ann. Chim. (Paris)*, 1973, **8**, 115 (*uv, bibl*)
Merck Index, 9th Ed., no. 6207 (*deriv*)
Nakayama, T. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 3968 (*esters*)

1-Amino-2-nitro-1,2-diphenylethylene A-00293

α-(Nitrophenylmethylene)benzenemethanamine, 9CI. α'-Nitro-α-stilbenamine, 8CI. α-Amino-β-nitrostilbene

[29281-73-0]



(Z)-form

$C_{14}H_{12}N_2O_2$ M 240.261
Pharmaceutical intermediate.

(Z)-form [55902-50-6]
Yellow cryst. (EtOH aq.). Mp 158-159°.

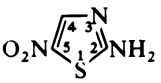
N-*Me:* [68839-67-8].
$C_{15}H_{14}N_2O_2$ M 254.288
Cryst. (EtOH). Mp 203-204°. Configuration not proved.

Freeman, J.P. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3405 (*synth, ir, uv*)
Dore, J.C. *et al*, *Eur. J. Med. Chem. Ther.*, 1974, **9**, 673 (*use*)
Alladé, I. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1978, **287**, 243 (*synth, struct*)

2-Amino-5-nitrothiazole A-00294

5-Nitro-2-thiazolamine, 9CI. Enheptin. Entramine. Hexa-ex. Nitramin IDO

[121-66-4]



$C_3H_3N_3O_2S$ M 145.136
Antibacterial agent. Mp 195-196°, 200-202°.

▷Exp. carcinogen. XJ2800000.

N-*Me:* [59849-85-3].
$C_4H_5N_3O_2S$ M 159.162
Mp 223-224°.

N-*Formyl:* [500-08-3]. N-*(5-Nitro-2-thiazolyl)-formamide, 8CI.* ***Forminitrazole, BAN, INN.*** *Aroxine. BW 51-291. 291 C 51.*
$C_4H_3N_3O_3S$ M 173.146
Used in treatment of trichomoniasis. Straw-coloured needles (EtOH or EtOAc). Mp 194°.

N-*Ac:* [140-40-9]. ***Acinitrazole, BAN.*** *Nithiamide, USAN. Aminitrozole, INN. Numerous proprietary names.*
$C_5H_5N_3O_3S$ M 187.173
Veterinary antibacterial agent. Mp 264-265°.

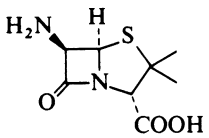
▷XJ1570000.

Hurd, C.D. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 4007 (*Acinitrazole*)
Bushby, S.R.M. *et al*, *J. Pharm. Pharmacol.*, 1955, **7**, 112.
Huffman, C.W., *J. Org. Chem.*, 1958, **23**, 727 (*deriv*)
Robba, M. *et al*, *Ann. Pharm. Fr.*, 1964, **22**, 201 (*Acinitrazole*)
Wilhelm, M. *et al*, *Helv. Chim. Acta*, 1966, **49**, 2443 (*synth*)
Vavilov, G.A. *et al*, *Khim.-Farm. Zh.*, 1975, **9**, 36 (*Acinitrazole*)
Forlani, L., *Gazz. Chim. Ital.*, 1981, **111**, 159 (*pmr, tautom*)
Toth, G. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1984, 91 (*cmr, N-15 nmr*)
Peeters, O.M. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 965 (*Acinitrazole*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 273 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4754, 12362.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 361.

6-Aminopenicillanic acid A-00295

Penicin. 6-APA

[551-16-6]



$C_8H_{12}N_2O_3S$ M 216.254
Penicillin antibiotic. Prod. by enzymic hydrol. of benzyl- or phenoxymethylpenicillins. Also prod. as metab. prod. of several penicillin-producing fungi, esp. when side-chain precursors are absent. Precursor of semisynthetic penicillins. Mp 208-209° dec. $[\alpha]_D^{31}$ +273° (c, 1.2 in 0.1M HCl). pK_{a1} 2.30, pK_{a2} 4.92 (25°, H_2O).

▷Exp. neoplastic agent. XH8225000.

Me ester:
$C_9H_{14}N_2O_3S$ M 230.281
Cryst. (Me_2CO). Mp 177.5-178°. $[\alpha]_D^{28}$ +288° (c, 1.1 in butyl acetate).

4-Oxide: [4888-97-5].
$C_8H_{12}N_2O_4S$ M 232.254
Powder. Mp 190-193° dec.

6-Deamino-6β-bromo: see 6-Bromopenicillanic acid, B-00311

6-Deamino-6β-chloro: [74326-78-6]. *6β-Chloropenicillanic acid.* Semisynthetic. Weak antibacterial agent and potent β-lactamase inhibitor. Cryst. (Et_2O/diisopropyl ether). Mp 80-100° dec. $[\alpha]_D^{20}$ +264° (c, 0.5 in $CHCl_3$).

6-Deamino-6β-iodo: [74772-32-0]. *6β-Iodopenicillanic acid.* Semisynthetic. Weak antibacterial agent, potent β-lactamase inhibitor. Cryst. (Et_2O/diisopropyl ether). Mp 80-100°. $[\alpha]_D^{20}$ +276° (c, 0.51 in $CHCl_3$).

Batchelor, R. *et al*, *Nature (London)*, 1959, **283**, 257 (*manuf*)
Huber, F. *et al*, *Cephalosporins and Penicillins*, (*Flynn, E.H. Ed.*), 1972, Academic Press, 27 (*rev*)

Micetich, R.G. *et al*, *Synthesis*, 1976, 264 (*oxide*)
Kemp, J.E. *et al*, *Tetrahedron Lett.*, 1980, **21**, 2291 (*synth*)
Von Daehne, W. *et al*, *J. Antibiot.*, 1980, **33**, 451.
Moore, B.A. *et al*, *Antimicrob. Agents Chemother.*, 1984, **20**, 327 (*props*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2153.

Aminopentamide A-00296

α-[2-(Dimethylamino)propyl]-α-phenylbenzeneacetamide, *9CI*. *4-(Dimethylamino)-2,2-diphenylvaleramide*, *8CI*. *Centrine*. ***Dimevamide, INN***. *Pentamyl*. *Valeramide-OM*

[60-46-8]

$Me_2NCH(CH_3)CH_2CPh_2CONH_2$

$C_{19}H_{24}N_2O$ M 296.411

▷YV4400000.

(+)-*form*

Mp 136.5-137.5°. $[\alpha]_D^{23}$ +98.9° (MeOH).

(−)-*form*

Mp 136.5-137.5°. $[\alpha]_D^{23}$ −101.9° (MeOH).

(±)-*form*

Anticholinergic, antispasmodic drug; also bird and rodent repellent. Long prisms (EtOH aq.). Insol. H_2O. Mp 183-184°.

B,HCl: Leaflets (EtOH + Et_2O). Mp 190-191°. Slightly deliquescent.

B,H_2SO_4: [35144-63-9]. Insol. Et_2O. Mp 185-187°. Deliquescent, bitter taste.

Beckett, A.H. *et al*, *J. Chem. Soc.*, 1957, 3076 (*abs config*)
Moffett, R.B. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4451 (*synth*)
Colleter, J.C. *et al*, *Bull. Soc. Pharm. Bordeaux*, 1961, **100**, 87 (*cryst struct*)
Yusuf, S.M. *et al*, *Arch. Intern. Pharmacodyn.*, 1964, **152**, 198 (*pharmacol*)
Crabbé, P. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 2855 (*ord, uv*)

3-Aminophenol, 9CI A-00297

1-Amino-3-hydroxybenzene. m-*Hydroxyaniline*

[591-27-5]

C_6H_7NO M 109.127

Prisms (toluene). Mp 124-126°. Bp_{11} 164°. pK_a 4.31 (25°, 1% EtOH aq.).

▷Mod. toxic. SJ4900000.

B,HCl: [51-81-0]. Prisms (H_2O). Mp 229°.

N-*Ac:* [621-42-1]. *3-Acetamidophenol*. *3-Hydroxyacetanilide*. ***Metacetamol, BAN, INN***. *BS 749*.
$C_8H_9NO_2$ M 151.165
Analgesic. Needles (H_2O). Mp 148-149°.

▷AE4100000.

N-*Benzoyl:* [3743-28-0]. *3-Hydroxybenzanilide*. *3-Benzamidophenol*.
$C_{13}H_{11}NO_2$ M 213.235
Needles (toluene). Mp 174°.

N-*Di-Me:* [99-07-0]. *3-Hydroxydimethylaniline*. *3-Dimethylaminophenol*.
$C_8H_{11}NO$ M 137.181
Needles (pet. ether). Mp 85°. Bp 265-268°, Bp_{10} 138°.

N-*Di-Me, Me ether:* [15799-79-8]. *3-Dimethylaminoanisole*. N-*Dimethyl*-m-*anisidine*.
$C_9H_{13}NO$ M 151.208
Liq. Bp 237°.

Forbes, W.F. *et al*, *Can. J. Chem.*, 1958, **36**, 1371; 1959, **37**, 1294 (*uv*)
Neilson, T. *et al*, *J. Chem. Soc.*, 1962, 371 (*synth*)
de Courville, A., *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1966, **262**, 1196.
McLafferty, F.W. *et al*, *Arch. Mass Spectral Data*, 1970, **1**, 284 (*ms*)
Aldrich Library of NMR Spectra, 1974, **5**, 51B (*pmr*)
Aldrich Library of IR Spectra, 1975, **2**, 635E (*ir*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 361.

4-Aminophenol, 9CI A-00298

p-*Hydroxyaniline*. *Ursol* P. *Rodinal*. *Unal*

[123-30-8]

C_6H_7NO M 109.127

Photographic developer. Plates (H_2O). Mp 186°. pK_a 5.48 (25°, 1% EtOH aq.).

▷Highly toxic, allergen. SJ5075000.

B,HCl: [51-78-5]. Prisms. Mp 306° dec.

▷SJ6070000.

Me ether: see 4-Methoxyaniline, M-00195
Et ether: see 4-Ethoxyaniline, E-00161

N-*Formyl*: *4-Hydroxyformanilide*.
$C_7H_7NO_2$ M 137.138
Needles (H_2O). Mp 139-140°.

N-*Ac:* [103-90-2]. *4-Hydroxyacetanilide*. *4-Acetamidophenol*. N-(*4-Hydroxyphenyl*)*acetamide*. *Acetaminophen, USAN*. ***Paracetamol, BAN, INN***. *Panadol*. *Tramil*. *Hedex*. *Numerous proprietary names*.
$C_8H_9NO_2$ M 151.165
Widely used analgesic, antipyretic. Prisms (EtOH). Sol. hot H_2O. Mp 169-170.5°.

▷AE4200000.

N-*Ac, 3-pyridinecarboxylate:* [4972-65-0]. *Paracetamol nicotinate*.
$C_{14}H_{12}N_2O_3$ M 256.260
Analgesic. Mp 156-156.5°.

N-*Ac, 2-thiophenecarboxylate:* [67542-43-2]. *Paracetamol thenoate*.
$C_{13}H_{11}NO_3S$ M 261.295
Analgesic, antipyretic, mucolytic agent.

N,O-*Di-Ac:* [2623-33-8]. *4-Acetamidophenyl acetate*. ***Diacetamate, BAN, USAN, INN***.
$C_{10}H_{11}NO_3$ M 193.202
Analgesic. Mp 150-151°.

N-*Trichloroacetyl:* [6340-87-0]. *2,2,2-Trichloro-4'-hydroxyacetanilide, 8CI*. ***Triclacetamol, INN***. *Aigonyl*.
$C_8H_6Cl_3NO_2$ M 254.500
Antiinflammatory, analgesic and uricosuric agent. Mp 134°.

N-*Benzoyl:* [15457-50-8]. *4-Hydroxybenzanilide*. *4-Benzamidophenol*.
$C_{13}H_{11}NO_2$ M 213.235
Needles. Mp 216-217° (227°).

O-*Benzoyl:* [720-98-9].
$C_{13}H_{11}NO_2$ M 213.235
Plates. Mp 153-154°.

N-*Me:* [150-75-4].
C_7H_9NO M 123.154
Needles (C_6H_6). Mp 87°.

▷Highly irritant, toxic. SL8225000.

N-*Me; B,H_2SO_4:* [55-55-0]. *Metol*. Photographic developer. Needles (H_2O). Sol. H_2O. Mp 250-260°.

▷SL8650000.

N-*Me, Ac:* [579-58-8].
$C_9H_{11}NO_2$ M 165.191

Needles (pet. ether). Mp 43°. Bp_9 168.5°.

N-*Di-Me:* [619-60-3]. *4-Hydroxydimethylaniline. 4-Dimethylaminophenol.* ***Dimetamfenol.*** *DMAP.*
$C_8H_{11}NO$ M 137.181
Antidote to cyanide poisoning. Mp 76-77°. Bp_{30} 165°.
▷SL1120000.

N-*Di-Me, Me ether:* [701-56-4]. *4-Dimethylaminanisole.* N-*Dimethyl*-p-*anisidine.*
$C_9H_{13}NO$ M 151.208
Leaflets (EtOH). Mp 49°.

Forbes, W.F. *et al, Can. J. Chem.*, 1958, **36**, 1371; 1959, **37**, 1294 (*uv*)
Broyles, M.H. *et al, J. Org. Chem.*, 1960, **25**, 2233 (*Diacetamate*)
Fr. Pat., M940, (*1961*); *CA*, **58**, 3354h (*synth, pharmacol, Triclacetamol*)
Neilson, T. *et al, J. Chem. Soc.*, 1962, 371 (*synth*)
Austrian Pat., 243 263, (*1965*); *CA*, **64**, 2069 (*nicotinate*)
de Courville, A. *et al, C. R. Hebd. Seances Acad. Sci., Ser. C*, 1966, **262**, 1196.
Rohrbach, P. *et al, Therapie*, 1966, **21**, 1063 (*nicotinate*)
Dittert, L.W. *et al, J. Pharm. Sci.*, 1968, **57**, 774 (*Diacetamate*)
McLafferty, F.W. *et al, Arch. Mass Spectral Data*, 1970, **1**, 284 (*ms*)
Miyajima, G. *et al, Chem. Pharm. Bull.*, 1971, **19**, 2301 (*cmr*)
Fairbrother, J.E., *Anal. Profiles Drug Subst.*, 1974, **3**, 1; 1985, **14**, 551 (*rev*)
Aldrich Library of NMR Spectra, 1974, **5**, 57A (*pmr*)
Aldrich Library of IR Spectra, 1975, **2**, 639C (*ir*)
Ameer, B. *et al, Ann. Intern. Med.*, 1977, **87**, 202 (*rev, Paracetamol*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1977, **13**, 480 (*rev, Dimetamfenol*)
Lechat, P. *et al, Therapie*, 1978, **33**, 551 (*Paracetamol*)
Vogel, A.I., *Practical Organic Chemistry*, 1978, Longmans, 4th Ed., 723 (*synth*)
Spano, R. *et al, Boll. Chim. Farm.*, 1979, **118**, 567 (*Paracetamol thenoate*)
Ueda, M. *et al, Synthesis*, 1981, 991 (*Diacetamate*)
Liedtke, R.K., *Med. Klin. (Munich)*, 1982, **77**, 551 (*Paracetamol*)
Weger, N.P., *Fundam. Appl. Toxicol.*, 1983, **3**, 387 (*Dimetamfenol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2679.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 885 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 240, 241, 1555.

(4-Aminophenyl)acetic acid A-00299

4-Aminobenzeneacetic acid, 9CI. p-*Aminophenylacetic acid, 8CI*

[1197-55-3]

$C_8H_9NO_2$ M 151.165
Tuberculostatic, fibrinolysis inhibitor, depresses dental enamel solubility, corrosion inhibitor in steel. Used as chain terminator for high mod. polyamide fibres. Active in radiation damage prevention. Plates (H_2O). Mp 199-200° dec.
▷AF3550000.

Et ester: [5438-70-0].
$C_{10}H_{13}NO_2$ M 179.218
Penicillin synth. intermediate. Plates (H_2O). Mp 51°.

Nitrile: [3544-25-0].
$C_8H_8N_2$ M 132.165
Leaflets (H_2O). Mp 46°. Bp 312°, Bp_{11} 177°.

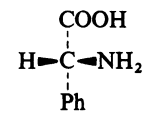
N-*Me, Et ester:*
$C_{11}H_{15}NO_2$ M 193.245
Bp 297° dec., Bp_2 130°.

Schwenk, E. *et al, J. Org. Chem.*, 1946, **11**, 798 (*synth*)
Reio, L., *J. Chromatogr.*, 1960, **4**, 458 (*chromatog*)
Naidan, V.M. *et al, Zh. Obshch. Khim.*, 1964, **34**, 1469 (*synth*)
Ger. Pat., 2 165 456, (*1972*); *CA*, **77**, 126330 (*synth*)
Hoefnagel, A.J. *et al, J. Am. Chem. Soc.*, 1973, **95**, 5357.

2-Amino-2-phenylacetic acid A-00300

α-Aminobenzeneacetic acid, 9CI. 2-Phenylglycine, 8CI. α-Amino-α-toluic acid

[69-91-0]



(*R*)-*form* Absolute configuration

$C_8H_9NO_2$ M 151.165

(***R*)-form** [875-74-1]
Precursor of Cephalexin and penicillins. Plates (H_2O), needles (EtOH aq.). Mp 305-310°. $[\alpha]_D^{20}$ −157.8° (dil. HCl).

B,HCl: Needles (dil. HCl). Mp 246° dec.

N-*Ac:* [14257-84-2].
$C_{10}H_{11}NO_3$ M 193.202
Needles (H_2O). Mp 191°. $[\alpha]_D^{20}$ +197.4° (H_2O).

Me ester; B,HCl: [19883-41-1].
$C_9H_{11}NO_2$ M 165.191
Precursor of Cephalosporin and Cefalexin.

Et ester; B,HCl:
$C_{10}H_{13}NO_2$ M 179.218
Mp 203° dec.

(***S*)-form** [2935-35-5]
$[\alpha]_D^{20}$ +112.6° (H_2O).

N-*Ac:* [42429-20-9]. Needles (H_2O). Mp 191°. $[\alpha]_D^{20}$ +197.4° (H_2O).

Me ester; B,HCl: Mp 202°. $[M]_D$ −247° (H_2O).

(±)-***form*** [2835-06-5]
Photographic fog inhibitor. Pearly leaflets. Sublimes without melting at 256°.

N-*Ac:* [15962-46-6]. Prisms (H_2O). Mp 198.5°.

Me ester: Needles (ligroin). Mp 32°.

Et ester: [6152-27-8]. Bp 257°, Bp_{16} 149°, Bp_5 114-115°.

Heptyl ester: [32560-48-8]. ***Aceverine.***
$C_{15}H_{23}NO_2$ M 249.352
Antispasmodic. $Bp_{0.3}$ 180°.

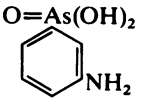
Heptyl ester; B,HCl: Component of Ambredin.

Marvel, C.S. *et al, J. Am. Chem. Soc.*, 1920, **42**, 2259 (*synth*)
Hibbin, B.C. *et al, Chem. Ind. (London)*, 1954, 933 (*abs config*)
B.P., 797 627, (*1958*); *CA*, **53**, 2109 (*Aceverine*)
Schawartz, J. *et al, Chem. Ind. (London)*, 1968, 1698 (*synth*)
Jelicic, J. *et al, Allerg. Asthma*, 1969, **14**, 247 (*Aceverine*)
Gecse, A. *et al, Int. Arch. Allergy Appl. Immunol.*, 1971, **40**, 655 (*Aceverine*)
Roman, L. *et al, CA*, 1973, **83**, 120945 (*tlc*)
Thomas, G. *et al, J. Pharm. Pharmacol.*, 1974, **26**, 151 (*pharmacol, esters*)
Oguri, T. *et al, Chem. Pharm. Bull.*, 1975, **23**, 173 (*synth*)
Clark, J.C. *et al, J. Chem. Soc., Perkin Trans. 1*, 1976, 471, 475 (*synth, resoln, esters*)
Warren, R.J. *et al, J. Pharm. Sci.*, 1976, **65**, 738 (*nmr*)
Lefebvre, B. *et al, Isr. J. Chem.*, 1977, **15**, 69 (*chromatog, resoln*)
Schulz, E. *et al, Pharmazie*, 1978, **33**, 749 (*Aceverine*)
Shiraiwa, T. *et al, Bull. Chem. Soc. Jpn.*, 1987, **60**, 661 (*resoln*)

3-Aminophenylarsonic acid A-00301

3-Aminobenzenearsonic acid. m-*Arsanilic acid*

[2038-72-4]



$C_6H_8AsNO_3$ M 217.056

Antibacterial agent. Prisms (H_2O). Spar. sol. org. solvs., mod. sol. hot H_2O. Mp 215°.

▷Toxic

N-*Ac:* [54599-07-4].
$C_8H_{10}AsNO_4$ M 259.093
Mp 208-209°.

Bertheim, A. *et al*, *Ber.*, 1911, **44**, 3299 (*synth*)
Stevinson, M.R. *et al*, *J. Am. Chem. Soc.*, 1935, **57**, 1298 (*synth*)
Zhadanov, B.V. *et al*, *Dokl. Akad. Nauk SSSR*, 1973, **208**, 124 (*ir, uv*)
Dulova, V.I. *et al*, *CA*, 1975, **82**, 139095.
Chatterjee, A. *et al*, *Indian J. Phys. A*, 1983, **57**, 322 (*cryst struct*)

4-Aminophenylarsonic acid A-00302

4-Aminobenzenearsonic acid, 9CI. p-*Aminophenylarsonic acid.* p-*Aminophenylarsinic acid.* ***Arsanilic acid,*** *BAN, INN. Pro-gen. AS 101*

[98-50-0]

$C_6H_8AsNO_3$ M 217.056

Used in vet. treatment of enteritis and as a growth promoter. Also an antileukaemic drug. Needles (H_2O). Insol. Me_2CO, $CHCl_3$, C_6H_6, spar. sol. EtOH, sol. Et_2O, H_2O. Mp 232°. pK_{a1} 4.13, pK_{a2} 9.19, pK_{a3} 12.26.

▷Highly toxic. Carcinogen. CF7875000.

Mono Na salt: 127-85-5 Sodium arsanilate. Atoxyl. Cryst. + $4H_2O$.

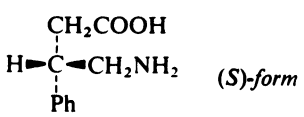
N-*Chloroacetyl:* [5425-62-7]. Plates (H_2O). Mod. sol. hot H_2O, AcOH, sol. hot EtOH. Mp 285° dec.

Org. Synth., Coll. Vol., **1**, 63 (*synth*)
Modro, A. *et al*, *Rocz. Chem.*, 1969, **43**, 1493; *CA*, **72**, 11753.
U.S.P., 3 763 201, (*1973*); *CA*, **79**, 137293 (*synth*)
Lehr, L. *et al*, *J. Chromatogr.*, 1974, **88**, 331 (*chromatog*)
Chatterjee, A. *et al*, *Indian J. Phys. A*, 1983, **57**, 322 (*cryst struct*)
Schmid, A., *CA*, 1983, **98**, 118960 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 442 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12394.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 185.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 315.

4-Amino-3-phenylbutanoic acid A-00303

β-(Aminomethyl)benzenepropanoic acid, 9CI. β-*(Aminomethyl)hydrocinnamic acid, 8CI*

[1078-21-3]



(*S*)-*form*

$C_{10}H_{13}NO_2$ M 179.218

▷ES7175000.

(*S*)-*form* [62596-63-8]

Cryst. (Et_2O/EtOH aq.). Mp 213-214°. $[\alpha]_D^{20}$ +12.9° (c, 1.11 in H_2O).

(±)-*form* [35568-37-7]

Fenibut. Fenigam. Phenibut. Phenigam. Phenybut. Phenygam. Phenylgamma. PHG

Tranquilliser. Mp 250-253° dec.

B,HBr: Platelets (C_6H_6). Mp 114°.

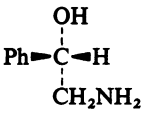
B,HCl: Mp 196-197°.

Jackson, J.G. *et al*, *J. Chem. Soc.*, 1928, 1657 (*synth*)
Cologne, J. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 598 (*synth*)
Sobocinska, M. *et al*, *Rocz. Chem.*, 1974, **48**, 461, 1103 (*synth, resoln*)
Van Gelder, N.M. *et al*, *Br. J. Pharmacol.*, 1974, **52**, 401 (*pharmacol*)
Hano, J. *et al*, *Arch. Immunol. Ther. Exp.*, 1975, **23**, 733 (*pharmacol*)
Khaunina, R.A. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 125 (*rev, pharmacol*)
Tseng, C.C. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 166 (*synth*)

2-Amino-1-phenylethanol A-00304

α-Aminomethylbenzenemethanol, 9CI. α-*(Aminomethyl)benzyl alcohol, 8CI.* β-*Amino-α-hydroxyethylbenzene. (Aminomethyl)phenylcarbinol. 2-Hydroxy-2-phenylethylamine. 1-Phenylethanolamine.* ***Resedinine.*** *Apophedrin. Norphedrin*

[7568-93-6]



(*S*)-*form*

$C_8H_{11}NO$ M 137.181

Alkaloid from *Reseda luteola* (Resedaceae), Mp 112-114°. Prob. artifact. The identn. is dubious in view of the Mp which is higher than that of either the chiral or racemic form of authentic substance.

▷DN5500000.

(*S*)-*form* [56613-81-1]

Mp 61-62° (55-57°). $[\alpha]_D$ +47.9° (c, 2.4 in EtOH).

B,HCl: Mp 209-210°. $[\alpha]_D^{13}$ +48.8° (c, 5.08 in H_2O).

Tartrate: Long, silky needles. Mp 210°. $[\alpha]_D^{15}$ +46.1° (c, 0.966 in H_2O).

(±)-*form* [1936-63-6]

Vasoconstrictor. Pale-yellow cryst. Mp 56-57°. Bp_{17} 160°. pK_a 8.90 (H_2O).

B,H_2SO_4: [50835-37-5]. Cryst. Mp 275-276°.

N-*Benzoyl:*
$C_{15}H_{15}NO_2$ M 241.289
Leaflets (EtOH). Mp 148-149.5°.

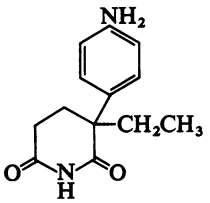
Rebstock, M.C. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3666 (*synth*)
Dornow, A. *et al*, *Chem. Ber.*, 1955, **88**, 1267 (*synth*)
Schöpf, C. *et al*, *Justus Liebigs Ann. Chem.*, 1959, **626**, 150 (*abs config*)
Poos, G.I. *et al*, *J. Med. Chem.*, 1963, **6**, 266 (*synth*)
Reisch, J. *et al*, *Fresenius' Z. Anal. Chem.*, 1968, **238**, 29 (*nmr, struct*)
Sabelli, H.C. *et al*, *Adv. Behav. Biol.*, 1974, **10**, 331 (*rev, props*)
Tadzhibaev, M.M. *et al*, *Khim. Prir. Soedin.*, 1976, 270; *Chem. Nat. Compd.*, 245 (*isol*)
Frank, H. *et al*, *Angew. Chem.*, 1978, **90**, 396 (*glc, resoln*)
Kniezo, L. *et al*, *Collect. Czech. Chem. Commun.*, 1978, **43**, 1917 (*synth*)

Molnar, I., *J. Chromatogr.*, 1978, **145**, 2785 (*chromatog*)
Meyers, A.I. *et al*, *J. Org. Chem.*, 1980, **45**, 2785 (*synth*)
Shannon, H.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1981, **217**, 379 (*pharmacol, rev*)
Midland, M.M. *et al*, *J. Org. Chem.*, 1985, **50**, 3237 (*synth*)

3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, 9CI A-00305

2-(p-Aminophenyl)-2-ethylglutarimide, 8CI. ***Aminoglutethimide, BAN, USAN, INN.*** *Cytadren. Elipten. Orimeten. Ba 16038. Ciba 16038. ND 1966*

[125-84-8]



$C_{13}H_{16}N_2O_2$ M 232.282

▷MA4026950.

(±)-*form*

Drug used for treatment of secondary hyperaldosteronism and oedema. Antineoplastic agent. Mp 149-150°.

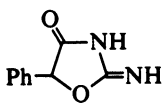
B,HCl: [31075-85-1]. Mp 223-225°.

Lee, C.M. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 4586 (*uv, ir*)
Ruecker, G. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1969, **302**, 204 (*ms*)
Defay, N. *et al*, *J. Pharm. Belg.*, 1972, **27**, 335 (*pmr*)
Aboul-Enein, H.Y. *et al*, *J. Med. Chem.*, 1975, **18**, 736 (*synth, pharmacol*)
Santen, R.J. *et al*, *Pharmanual (Basel)*, Vol. 2: A Comprehensive Guide to the Therapeutic Use of Aminoglutethimide, Karger, Basel, Switz., 1981 (*book*)
Salhanick, H.A., *Cancer Res.*, 1982, **42**, 3315 (*pharmacol*)
Aboul-Enein, H.Y., *Anal. Profiles Drug Subst.*, 1986, **15**, 35 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1803.

2-Amino-5-phenyl-4(5*H*)-oxazolone, 9CI A-00306

2-Imino-5-phenyl-4-oxazolidinone. ***Pemoline, BAN, INN, USAN.*** *Phenylisohydantoin. Cylert. Kethamed. Ronyl. Volital. NSC 25159. Other proprietary names*

[2152-34-3]



$C_9H_8N_2O_2$ M 176.174

▷RQ2975000.

(±)-*form* [101053-01-4]

CNS stimulant drug. Prac. insol. H_2O. Mp 256-257° dec.

Traube, W. *et al*, *Ber.*, 1913, **46**, 2082 (*synth*)
Schmidt, L., *Arzneim.-Forsch.*, 1956, **6**, 423 (*props*)
U.S.P., 2 892 753, (*1959*); *CA*, **53**, 20709 (*synth*)
Lange, W.E. *et al*, *J. Pharm. Sci.*, 1962, **51**, 477 (*synth*)
Dren, A.T. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 33 (*rev, bibl*)
Heinen, H.J. *et al*, *Adv. Mass Spectrom.*, 1978, **7A**, 97 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1111 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1436.

4-Amino-5-phenyl-1-pentene A-00307

α-2-Propenylbenzeneethanamine, 9CI. α-Allylphenethylamine, 8CI. ***Alfetamine, INN.*** *NDR 5061A*

[4255-23-6]

$H_2C{=}CHCH_2CH(NH_2)CH_2Ph$

$C_{11}H_{15}N$ M 161.246

(±)-*form*

Antidepressant, analgesic and sympathomimetic agent.

B,HCl: [4255-24-7]. *Aletamine hydrochloride, USAN.* Mp 159-161°.

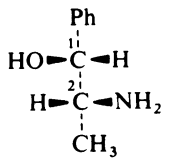
▷SG9275000.

McCarty, F.J. *et al*, *J. Med. Chem.*, 1968, **11**, 534 (*synth, pharmacol*)
Hitchens, J.T. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **21**, 302 (*pharmacol*)
Huber, J.F.K. *et al*, *J. Chromatogr.*, 1979, **172**, 15 (*ms*)

2-Amino-1-phenyl-1-propanol A-00308

α-(1-Aminoethyl)benzenemethanol, 9CI

[48115-38-4]



(1*R*,2*R*)-*form* Absolute configuration

$C_9H_{13}NO$ M 151.208

See also refs. under 2-Methylamino-1-phenyl-1-propanol, M-00221 .

(*1R,2R*)-*form* [37577-07-4]

D-threo-*form.* ***Nor-ψ-ephedrine.*** *Norpseudoephedrine. Norisoephedrine. Cathine, INN*

Found in "Ma Huang" and *Catha edulis* (Celastraceae) (Khat), used as a stimulant drink in Arab countries. Anorexic agent, resolving agent. Plates (MeOH). Mp 77°. $[\alpha]_D^{20}$ +33.14° (EtOH).

B,HCl: [53643-20-2]. Mp 180-181°. $[\alpha]_D^{20}$ +42.5° (H_2O).

▷RC9350000.

N-*Me: see 2-Methylamino-1-phenyl-1-propanol, M-00221*

(*1S,2S*)-*form* [492-39-7]

(−)-*Nor-ψ-ephedrine*

Synthetic. Mp 77.5-78°. $[\alpha]_D^{20}$ −32.64° (EtOH).

▷RC9100000.

B,HCl: Mp 180-181°. $[\alpha]_D^{20}$ −42.7° (H_2O).

N-*Me: see 2-Methylamino-1-phenyl-1-propanol, M-00221*

(*1S,2R*)-*form* [37577-28-9]

(+)-*Norephedrine*

Synthetic. Mp 52°. $[\alpha]_D^{27}$ +14.76° (EtOH).

B,HCl: [40626-29-7]. Mp 171-172°. $[\alpha]_D^{27}$ +33.4° (EtOH).

N-*Me: see 2-Methylamino-1-phenyl-1-propanol, M-00221*

(*1R,2S*)-*form* [492-41-1]

Norephedrine

Alkaloid from "Ma Huang", *Ephedra vulgaris* and *C. edulis* (Ephedraceae, Celastraceae). Mp 51°. $[\alpha]_D$ −15° (EtOH).

▷RC2275000.

B,HCl: [3198-15-0]. Mp 171-172°. $[\alpha]_D^{20}$ −33.27° (H_2O).

▷RC3240000.

N-*Formyl:* **N-*Formylnorephedrine***.
$C_{10}H_{13}NO_2$ M 179.218
Alkaloid from leaves of *C. edulis* (Celastraceae). Needles (Et_2O/hexane). Mp 72-73°. $[\alpha]_D^{25}$ −45° (c, 1.1 in $CHCl_3$).

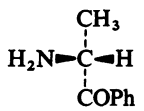
(***1RS, 2RS*)-*form*** [54680-46-5]
(±)-*Nor-ψ-ephedrine*
Plates (pet. ether). Mp 77°.
B,HCl: [1485-15-0]. Mp 172-173°.
N-*Me: see 2-Methylamino-1-phenyl-1-propanol, M-00221*

(***1RS,2SR*)-*form*** [14838-15-4]
(±)-*Norephedrine.* ***Phenylpropanolamine,*** *BAN, INN. Propadrine. Mydriatine*
Adrenergic, vasoconstrictor. Plates (H_2O). Mp 104-105° (101-101.5°).
▷RC2625000.
B,HCl: [154-41-6]. *Phenylpropanolamine hydrochloride, USAN.* Sol. H_2O. Mp 194°. Component of Allerest, Demazin, Dimetapp, Sinarest.
▷DN4200000.
Complex with sulfonated styrene/divinylbenzene copolymer: Phenylpropanolamine polistirex, USAN. Adrenergic vasoconstrictor.
N-*Me: see 2-Methylamino-1-phenyl-1-propanol, M-00221*

Wolfes, O., *Arch. Pharm. (Weinheim, Ger.)*, 1930, **268**, 81 (*isol*)
Leithe, W., *Ber.*, 1932, **65**, 660 (*abs config*)
Hoover, F.W. *et al, J. Org. Chem.*, 1947, **12**, 506 (*synth*)
Heacock, R.A. *et al, Can. J. Pharm. Sci.*, 1974, **9**, 64 (*pharmacol*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur*)
Baudet, M. *et al, Anal. Lett.*, 1979, **12**, 641 (*cmr*)
Kaufer, I. *et al, Anal. Profiles Drug Subst.*, 1983, **12**, 357.
Al-Meshal, I.A. *et al, Phytochemistry*, 1986, **25**, 2241 (*N-Formylnorephedrine*)
Lasagna, L., *Phenylpropanolamine. A Review*, Wiley, New York, 1988 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2095, 12538.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1277.

2-Amino-1-phenyl-1-propanone, 9CI A-00309

α-Aminopropiophenone. α-Benzoylethylamine. ***Cathinone, INN***
[5265-18-9]



(*R*)-*form*

$C_9H_{11}NO$ M 149.192
Stimulant.

(***R*)-*form*** [80096-54-4]
B,HCl: [76333-53-4]. Cryst. (2-propanol/THF). Mp 189-190° dec. (175-177°). $[\alpha]_D^{23}$ +47.3° (c, 1 in H_2O).

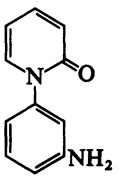
(***S*)-*form*** [71031-15-7]
Isol. from leaves of *Catha edulis* (Khat) (Celastraceae) which are chewed for narcotic effect. Psychostimulant. $[\alpha]_D^{26}$ −26.5° (c, 0.24 in CH_2Cl_2). Unstable except in dilute non-polar non-hydroxylic soln. Cathinone is the true alkaloid but is transformed in unfresh leaves to Ephedrine and Pseudoephedrine.
B,HCl: [72739-14-1]. Cryst. (2-propanol/Et_2O). Mp 188-190° (176-178°). $[\alpha]_D^{21}$ −46.9° (c, 1 in H_2O).
Oxalate: [81626-17-7]. Fine cryst. (EtOH). Mp 173-175°. $[\alpha]_D^{25}$ −40.5° (c, 0.3 in MeOH).

(±)-*form* [75925-46-1]
Unstable solid. Mp 112-114°.
B,HCl: [42787-61-1]. Needles (EtOH/Et_2O). Mp 187°.
N-*Ac:*
$C_{11}H_{13}NO_2$ M 191.229
Cryst: (C_6H_6). Mp 90-91°.
N-*Formyl:* [102831-14-1]. *α-Formamido-α-methylacetophenone.*
$C_{10}H_{11}NO_2$ M 177.202
Cryst. (Me_2CO/hexane). Mp 93-96°.

Gabriel, S., *Ber.*, 1908, **41**, 1127 (*synth*)
Eberhard, A., *Arch. Pharm. (Weinheim, Ger.)*, 1915, **253**, 62
Kirchner, G., *Justus Liebigs Ann. Chem.*, 1959, **625**, 104 (*synth*)
Schorno, X. *et al, Experientia*, 1979, **35**, 572 (*isol*)
Glennon, R.A. *et al, J. Med. Chem.*, 1980, **23**, 294 (*pharmacol*)
Szendrei, K., *Bull. Narc.*, 1980, **32**, 5 (*rev*)
Berrang, B.D. *et al, J. Org. Chem.*, 1982, **47**, 2643 (*resoln*)
Kalix, P., *Alcohol Alcohol.*, 1984, **19**, 319 (*pharmacol, use*)
Muchowski, J.M. *et al, J. Org. Chem.*, 1986, **51**, 3374 (*deriv*)
Wolf, J.-P. *et al, Helv. Chim. Acta*, 1986, **69**, 918, 1498 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12537.

1-(3-Aminophenyl)-2(1*H*)-pyridinone, 9CI A-00310

Amphenidone, INN. *Dornwal*
[134-37-2]

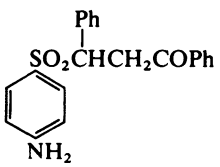


$C_{11}H_{10}N_2O$ M 186.213
Central depressant. Mp 182.5-184.5°. Toxicity low in mice and rats.
▷UV1146000.

Plekss, O.J. *et al, Fed. Proc.*, 1960, **19**, 390 (*tox*)
U.S.P., 2 947 755, (*1960*); *CA*, **55**, 11439f (*synth, pharmacol*)

3-[(4-Aminophenyl)sulfonyl]-1,3-diphenyl-1-propanone A-00311

3-Phenyl-3-sulfanilylpropiophenone. Alfone. Alkafanone. ***Alkofanone.*** *Clafanone. Nu 404. Ro 2-0404*
[7527-94-8]



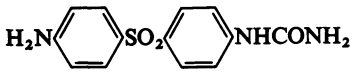
$C_{21}H_{19}NO_3S$ M 365.446
(±)-*form*
Antidiarrhoeal agent. Dec. at 221-223°.

U.S.P., 2 421 836, (*1947*); *CA*, **41**, 5897 (*synth, props*)

[4-[(4-Aminophenyl)sulfonyl]phenyl]urea, 9CI A-00312

(p-*Sulfanilylphenyl*)*urea*, *8CI*. ***Amidapsone***, *USAN*, ***INN***. *Sulfacid. AUS. NSC 28120*

[3569-77-5]



$C_{13}H_{13}N_3O_3S$ M 291.324

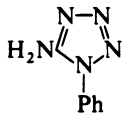
Antiviral agent. Cryst. (EtOH). Mp 211-213°. Used mainly for poultry.

Ger. Pat., 2 056 955, (*1971*); *CA*, **75**, 63455w (*synth*, *pharmacol*)

5-Amino-1-phenyl-1*H*-tetrazole, 8CI A-00313

*1-Phenyl-1*H*-tetrazol-5-amine*, *9CI*. ***Fenamole***, *USAN*, ***INN***. *AL 0559. NSC 25413. P 463. PAT*

[5467-78-7]



$C_7H_7N_5$ M 161.166

Antiinflammatory drug. Mp 160.5-161.5°.

Houff, W.H., *J. Org. Chem.*, 1957, **22**, 344 (*synth*)
Lieber, E. *et al*, *Curr. Sci.*, 1957, **26**, 167 (*uv*)
U.S.P., 3 278 381, (*1966*); *CA*, **65**, 20137h (*pharmacol*)
Goljer, I. *et al*, *Monatsh. Chem.*, 1983, **114**, 65 (*cmr*)

3-Aminopiperidine A-00314

3-Piperidinamine, *9CI*

[54012-73-6]

$C_5H_{12}N_2$ M 100.163

(±)-*form*

B,2HCl: Mp ca. 150° dec.

N-*Ac:*
$C_7H_{14}N_2O$ M 142.200
Mp 72-82°.

N-*Ac; B,HNO₃:* Mp 176.8-180.4°.

N¹-*Et:* [6789-94-2].
$C_7H_{16}N_2$ M 128.217
Bp_{40} 72-73°.

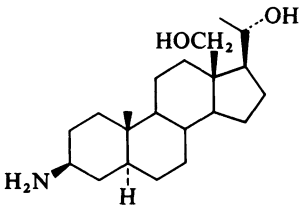
N-*Et, dipicrate:* Yellow needles. Mp 231-232° dec. (226-228°).

3-N-(*3,4,5-Trimethoxybenzoyl*): [30751-05-4]. ***Troxipide***, ***INN***. *3,4,5-Trimethoxy*-N-*3-piperidylbenzamide*, *9CI*, *8CI*. *Lefron. KU 54.*
$C_{15}H_{22}N_2O_4$ M 294.350
Antiulcer agent. Mp 179-181.5°.

3-N-(*3,4,5-Trimethoxybenzoyl*); *B,HCl:* [30751-03-2].
Mp 206-209°.

Reitsema, R.H. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1680 (*deriv*)
Walker, G.N. *et al*, *J. Org. Chem.*, 1961, **26**, 432 (*synth*)
U.S.P., 3 124 586, (*1964*); *CA*, **61**, 3077f
Irikura, T. *et al*, *J. Med. Chem.*, 1971, **14**, 357 (*Troxipide*)

3-Amino-18,20-pregnanediol A-00315



$C_{21}H_{37}NO_2$ M 335.529

(*3β,5α,20S*)-*form*

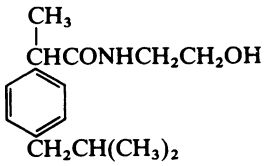
N-*Di-Me*, O,O-*di-Ac:* [6535-03-1]. ***Stevaladil***, ***INN***. *3-(Dimethylamino)pregnane-18,20-diol diacetate*, *9CI*.
$C_{27}H_{45}NO_4$ M 447.657
Coronary vasodilator. Mp 95°. $[\alpha]_D^{20}$ +38°.

Le Men, J. *et al*, *Chim. Ther.*, 1970, **5**, 41, 129 (*synth*, *pharmacol*)
Gerfaux, G. *et al*, *Chim. Ther.*, 1971, **6**, 384 (*pharmacol*)

Aminoprofen A-00316

N-(*2-Hydroxyethyl*)-α-*methyl-4-*(*2-methylpropyl*)-*benzeneacetamide*, *9CI*. *AU 7801*

[83394-44-9]



$C_{15}H_{23}NO_2$ M 249.352

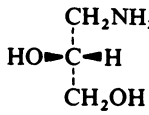
Antiinflammatory. Analgesic.

Anon, *Drugs Future*, 1981, **6**, 599 (*rev*)
Eur. Pat., 54 812, (*1982*); *CA*, **97**, 182440 (*synth*)

3-Amino-1,2-propanediol, 9CI A-00317

2,3-Dihydroxypropylamine. 3-Aminopropylene glycol

[616-30-8]



(*R*)-*form*
Absolute configuration

$C_3H_9NO_2$ M 91.110

▷TY2800000.

(*R*)-*form*

Bp_{15} 163°. $[\alpha]_D^{18}$ +2.4° (H_2O); +17.7° (dil. HCl).

(*S*)-*form*

$Bp_{0.003}$ 95-98°. $[\alpha]_D$ −2.4° (H_2O); −28.4° (dil. HCl).

(±)-*form*

Bp 264-265° part. dec., Bp_{1-2} 110-115°. Hygroscopic, absorbs CO_2.

O,O-*Dibenzoyl:*
$C_{17}H_{17}NO_4$ M 299.326
Needles (as hydrochloride). Mp ca. 203° dec. (hydrochloride).

Tribenzoyl:
$C_{24}H_{21}NO_5$ M 403.434
Mp 113-114°.

N-*Me: 3-Methylamino-1,2-propanediol.*
$C_4H_{11}NO_2$ M 105.136
Bp 239-241°.

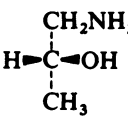
N-*Di-Me: 3-Dimethylamino-1,2-propanediol.*
$C_5H_{13}NO_2$ M 119.163
Bp 216-217°.

1-O-*Decyl:* [60812-35-3]. *1-Amino-3-(decyloxy)-2-propanol, 9CI.* **Decominol, 9CI, INN.**
$C_{13}H_{29}NO_2$ M 231.378
Bactericide for cosmetics.

Sowden, J.C. *et al, J. Am. Chem. Soc.*, 1942, **64**, 1291 (*synth*)
Schreyer, R.C. *et al, J. Am. Chem. Soc.*, 1951, **73**, 4404 (*synth*)
Ger. Pat., 2 606 106, (*1976*); *CA*, **85**, 159414 (*Decominol*)
Beerens, H. *et al, Pathol. Biol.*, 1984, **32**, 619 (*activity, Decominol*)

1-Amino-2-propanol A-00318

2-Hydroxypropylamine. Isopropanolamine
[78-96-6]



(*R*)-*form* Absolute configuration

C_3H_9NO M 75.110
▷Mod. toxic. UA5775000.

(*R*)-*form* [2799-16-8]
$[\alpha]_D$ ca. −25.5°.

O,N-*Dibenzoyl:*
$C_{17}H_{17}NO_3$ M 283.326
Mp 73-74°. $[\alpha]_D^{24}$ −72° (EtOH).

(±)-*form* [1674-56-2]
Sol. H_2O. Bp 160-161°.

B,HCl: [7780-04-3]. Cryst. (EtOH/EtOAc). Mp 72.5-74°.

N,N-*Di-Me: see 1-Dimethylamino-2-propanol, D-00419*

N,N-*Di-Et: 1-(Diethylamino)-2-propanol.*
$C_7H_{17}NO$ M 131.217
Liq. d_0^{20} 0.851. Bp 167-172°. Opt. active forms also known.

N,N-*Di-Et, Me ether:*
$C_8H_{19}NO$ M 145.244
Bp_{12} 46-47°.

N,N-*Di-Et, Et ether:*
$C_9H_{21}NO$ M 159.271
Local anaesthetic. Bp_{18} 70-72°.

N-*Cyclohexyl,* O-*benzoyl:* [532-77-4]. *1-(Cyclohexylamino)-2-propanol benzoate, 9CI.* **Hexylcaine, INN.** *Osmocaine. D109.*
$C_{16}H_{23}NO_2$ M 261.363
Local anaesthetic.

N-*Cyclohexyl,* O-*benzoyl; B,HCl:* [532-76-3]. *Hexylcaine hydrochloride, USAN. Cyclaine.* Bitter cryst. Mp 182-184°.
▷UA9800000.

Levene, P.A. *et al, J. Biol. Chem.*, 1924, **60**, 179; 1927, **71**, 461; 1936, **113**, 153 (*synth*)
Karrer, W. *et al, Helv. Chim. Acta*, 1925, **8**, 394 (*synth*)
Austrian Pat., 135 351, (*1933*); *CA*, **28**, 1355 (*synth*)
Wolf, D.E. *et al, J. Am. Chem. Soc.*, 1950, **72**, 2820 (*abs config*)
Vandam, L.D., *New Engl. J. Med.*, 1960, **263**, 963 (*Hexylcaine*)
Japan. Pat., 116 408, (*1975*); *CA*, **84**, 58611 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7630.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 243.

3-Amino-1-propanol A-00319

3-Hydroxypropylamine. Propanolamine
[156-87-6]

$H_2NCH_2CH_2CH_2OH$

C_3H_9NO M 75.110
Bp 188°.
▷Mod. toxic, irritant. UA5600000.

N-*Me:* [42055-15-2]. Bp 175-177°, Bp_{25} 71-73°.

N-*Me, picrate:* Mp 92-94°.

N-*Di-Me:* [3179-63-3].
$C_5H_{13}NO$ M 103.164
Sol. H_2O. Bp 163-164°, Bp_{33} 73-76°.

N-*Di-Me, Me ether:*
$C_6H_{15}NO$ M 117.191
Bp 129-130°.

N-*Di-Et:* [622-93-5]. Bp 189.5°, Bp_{20} 84°.

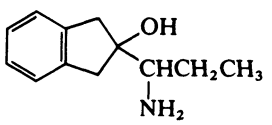
O,N-*Tri-Me, picrate:*
$C_{12}H_{18}N_4O_8$ M 346.296
Mp 203-204°.

O-*Dodecanyl:* [7617-74-5]. *3-(Dodecyloxy)propylamine, 8CI.* **Laurixamine, INN.** *Lopacetine.*
$C_{15}H_{33}NO$ M 243.432
Fungicide. Antibacterial, ophthalmologic agent.

Putochin, N., *Ber.*, 1926, **59**, 625 (*synth*)
Kyrides, L.P. *et al, J. Am. Chem. Soc.*, 1950, **72**, 745 (*deriv*)
Traynelis, V.J. *et al, J. Org. Chem.*, 1961, **26**, 686 (*deriv*)
U.S.P., 3 291 683, (*1966*); *CA*, **66**, 54560p (*Laurixamine*)
Scholkopf, U. *et al, Angew. Chem., Int. Ed. Engl.*, 1973, **12**, 323 (*synth*)
Japan. Pat., 116 408, (*1975*); *CA*, **84**, 58611 (*synth*)
Sarneski, J.E. *et al, Anal. Chem.*, 1975, **47**, 2116 (*cmr*)
Koepke, S.R. *et al, J. Org. Chem.*, 1979, **44**, 2718 (*deriv*)
Guggenbuhl, P. *et al, Ann. Pharm. Fr.*, 1985, **43**, 281 (*Laurixamine, pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2294.

2-(1-Aminopropyl)-2-indanol, 8CI A-00320

Indanorex, INN. *Dietor. JL 11698*
[16112-96-2]



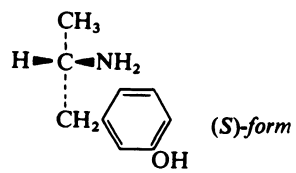
$C_{12}H_{17}NO$ M 191.272
Antiarrhythmic, anorexic agent. Mp 88-90°.

B,HCl: [16112-95-1]. Mp 220°.

Maillard, J. *et al, Bull. Soc. Chim. Fr.*, 1967, 2110 (*synth, pharmacol*)

3-(2-Aminopropyl)phenol A-00321

1-(3-Hydroxyphenyl)-2-propylamine. 2-Amino-1-(3-hydroxyphenyl)propane. **Gepefrine, INN**



(*S*)-*form*

$C_9H_{13}NO$ M 151.208

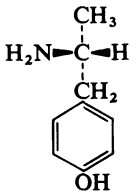
(*S*)-*form* [18840-47-6]
Sympathomimetic, hypertensive agent. Mp 157-160°. $[\alpha]_D^{25}$ +31.8° (c, 2 in MeOH). Also used as tartrate.

Saari, W.S. *et al*, *J. Med. Chem.*, 1968, **11**, 1115 (*synth, pharmacol*)
Torchiana, M.L. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **174**, 118 (*pharmacol*)

4-(2-Aminopropyl)phenol, 9CI, 8CI A-00322

1-(4-Hydroxyphenyl)-2-propylamine. p-*β*-*Aminopropylphenol.* **Hydroxyamfetamine, *INN.*** *Hydroxyamphetamine, BAN. Methyltyramine. Norpholedrine. Oxamphetamine. Paredrinex*

[103-86-6]



(*R*)-*form*

$C_9H_{13}NO$ M 151.208

(***R*)-form** [1518-89-4]
Mp 109-111.5°. $[M]_D^{20}$ −56° (c, 0.02 in EtOH).

(***S*)-form** [1693-66-9]
Mp 110-111.5°. $[M]_D^{20}$ + 59° (c, 0.02 in EtOH).

(±)-***form*** [1518-86-1]
Sympathomimetic and mydriatic drug. Amphetamine metab. Cryst. (C_6H_6). Mp 125°.

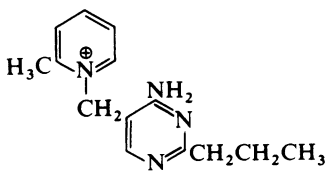
B,HBr: [140-36-3]. *Hydroxyamphetamine hydrobromide, USAN. Paredrine. Pedrolon. Mycadrine.* Cryst. (EtOH/Et_2O). Mp 171-172°.

▷SJ6650000.

Mannich, C. *et al*, *Ber.*, 1910, **43**, 189 (*synth*)
Hoover, F.W. *et al*, *J. Org. Chem.*, 1947, **12**, 501 (*synth*)
Dirkx, I.P. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1964, **83**, 535 (*ord*)
v. Dijk, J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1965, **84**, 521 (*resoln*)
Sever, P.S., *Biochem. Soc. Trans.*, 1973, **1**, 1158 (*metab*)
Hahn, W.E. *et al*, *Acta Pol. Pharm.*, 1979, **36**, 259 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2067.

1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-picolinium(1+) A-00323

Amprol. Mepyrium. Other proprietary names



$C_{14}H_{19}N_4^{\oplus}$ M 243.331 (ion)
Antiprotozoal, coccidiostat.

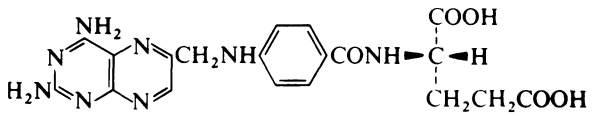
Chloride; B,HCl: [137-88-2]. ***Amprolium, BAN, INN, USAN.***
$C_{14}H_{19}ClN_4$ M 278.784
Mp 248-249° dec.

Rogers, E.F. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2974.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3275 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12372.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 372.

Aminopterin A-00324

N[*4*-[[(*2,4-Diamino-6-pteridinyl*)*methyl*]*amino*]-*benzoyl*]*glutamic acid, 9CI. 4-Aminofolic acid. 4-Aminopteroylglutamic acid. Antifolic acid. Pteramina. APGA. NSC 739*

[54-62-6]



Absolute configuration

$C_{19}H_{20}N_8O_5$ M 440.418

▷MA1050000.

(***S*)-form**
L-form
Antileukaemic factor and antagonist of Folic acid. Yellow cryst. (H_2O or $NaHSO_3$ aq.). Mp 260-265° dec. λ_{max} 370 nm, λ_{min} 333 nm (0.1N NaOH).

▷V. highly toxic, exp. teratogen. Emits highly toxic fumes when heated

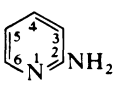
Na salt: [58602-66-7]. *Aminopterin sodium, BAN, INN.*
Mg salt: Yellow cryst. + $2H_2O$ (H_2O).
4-N-Di-Me:
$C_{21}H_{24}N_8O_5$ M 468.471
Yellow cryst. (hydrate) (H_2O). Mp 237-239° dec.

Seeger, D.R. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 2567.
Seeger, D.R. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1753.
Roth, B. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1914.
Sato, H. *et al*, *J. Chem. Soc. Jpn.*, 1951, **72**, 866.
Erickson, J.S. *et al*, *J. Biol. Chem*, 1972, **247**, 5661 (*props*)
Ewers, U. *et al*, *Chem. Ber.*, 1973, **106**, 3951 (*cmr*)
Piper, J.R. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 279 (*synth*)
Poe, M., *Methods Enzymol.*, 1980, **66**, 483 (*pmr*)
Przybylski, M. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 22 (*ms*)
Goldman, I.D. *et al*, *Prog. Cancer Res. Ther.*, 1983, **28**, 19 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1804.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 247.

2-Aminopyridine A-00325

2-Pyridinamine, 9CI. α-Pyridylamine

[504-29-0]



$C_5H_6N_2$ M 94.116
Has anaesthetic props. Cryst. (ligroin). Mp 57.5°. Bp 204°, Bp_{20} 104-106°. Sublimes.

▷Highly toxic by inhalation and skin contact, TLV 2. Emits toxic fumes on heating. US1575000.

B,HCl: Cryst. + $2H_2O$. Mp 86°.
N-Di-Me:
$C_7H_{10}N_2$ M 122.169
Bp 196°.
N-Me, picrate:
$C_6H_8N_2$ M 108.143
Mp 190°.
N-Di-Me, picrate: Yellow cryst. Mp 182°.
N-Et:
$C_7H_{10}N_2$ M 122.169
Bp_4 79-82°.
N-Et; B,H_2SO_4: Mp 111-113°.

2-N-*Ac:*
$C_7H_8N_2O$ M 136.153
Cryst. (ligroin/C_6H_6). Mp 71°.
N-*Thioacetyl:* Mp 108°.
N-*Benzoyl:*
$C_{12}H_{10}N_2O$ M 198.224
Mp 85-87°, 94°.
Picrate: Yellow cryst. Mp 190°.
N-*Isopropyl:* [4214-72-6]. N-(*1-Methylethyl*)-*2*-pyridinamine, *9CI*. *2*-(*Isopropylamino*)*pyrimidine*. ***Isaxonine, INN***. *Nerfactor*.
$C_7H_{11}N_3$ M 137.184
Drug for treatment of neuropathic disorders; promotes nerve growth. Mp 27-28°. Bp_{12} 92-93°.

Adams, R. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3539.
Brown, D.J. *et al*, *J. Chem. Soc.*, 1965, 5542 (*uv, synth*)
Buzas, A. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1966, **262**, 658 (*deriv*)
Kuthan, J. *et al*, *Z. Chem.*, 1968, **8**, 305 (*tautom*)
Belg. Pat., 788 648, (*1973*); *CA*, **79**, 96981a (*pharmacol*)
Chao, M. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 2920 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19357.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 176.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 248.

2-Amino-3-pyridinecarboxylic acid, 9CI A-00326

2-Aminonicotinic acid
[5345-47-1]

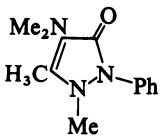


$C_6H_6N_2O_2$ M 138.126
$C_{14}H_{14}N_2O_4$ M 274.276
Cryst. (H_2O). Mp 310° (290° dec.).
Me ester: [14667-47-1].
$C_7H_8N_2O_2$ M 152.152
Cryst. (EtOH aq.). Mp 85°.
Me ester, N-*Ac:*
$C_9H_{10}N_2O_3$ M 194.190
Cryst. (ligroin). Mp 88°.
Et ester: [13362-26-0].
$C_8H_{10}N_2O_2$ M 166.179
Mp 94-96°.
Amide: [13438-65-8].
$C_6H_7N_3O$ M 137.141
Cryst. (H_2O). Mp 195°.
N-(*2,3-Dichlorophenyl*): [17737-68-7]. *2*-[(*2,3-Dichlorophenyl*)*amino*]-*3-pyridinecarboxylic acid*, *9CI*. *2*-(*2,3-Dichloroanilino*)*nicotinic acid*, *8CI*. ***Diclonixin, INN***. *IBH 244*.
$C_{12}H_8Cl_2N_2O_2$ M 283.113
Analgesic, antiinflammatory agent. Mp 250-251°.
N-(*2,3-Dimethylphenyl*): [4394-05-2]. *2*-[(*2,3-Dimethylphenyl*)*amino*)-*3-pyridinecarboxylic acid*, *9CI*. *2*-(*2,3-Xylidino*)*nicotinic acid*, *8CI*. ***Nixylic acid, INN***. *UP 74*.
$C_{14}H_{14}N_2O_2$ M 242.277
Antirheumatic, antiinflammatory agent. Mp 242-243°.
N-(*2,6-Dimethylphenyl*): [4394-04-1]. *2*-[(*2,6-Dimethylphenyl*)*amino*]-*3-pyridinecarboxylic acid*. *2*-(*2,6-Xylidino*)*nicotinic acid*. ***Metanixin, INN***.
Analgesic, antiinflammatory agent. Mp 219-220°.
N-*Me:*
$C_7H_8N_2O_2$ M 152.152
Cryst. (EtOH or by subl.). Mp 264-266°.
N-*Me, Et ester:*
$C_9H_{12}N_2O_2$ M 180.206
Mp 49-50°.
N-*Me, amide:*
$C_7H_9N_3O$ M 151.168
Cryst. (C_6H_6). Mp 182-184°.

Fox, H.H., *J. Org. Chem.*, 1952, **17**, 547, 1653.
Netherlands Pat., 6 414 717, (*1965*); *CA*, **64**, 712h (*Metanixin*)
Evans, D. *et al*, *J. Med. Chem.*, 1967, **10**, 428 (*Nixylic acid*)
Netherlands Pat., 6 603 357, (*1967*); *CA*, **68**, 59439g (*synth, pharmacol, Diclonixin*)
Hurd, C.D. *et al*, *J. Org. Chem.*, 1970, **35**, 1471 (*synth*)
Woźniak, M. *et al*, *J. Heterocycl. Chem.*, 1985, **22**, 765 (*derivs*)

Aminopyrine A-00327

4-(*Dimethylamino*)-*1,2-dihydro-1,5-dimethyl-3*H-*pyrazol-3-one*, *9CI*. *4*-(*Dimethylamino*)*antipyrine*, *8CI*. *4-Dimethylamino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one*. ***Aminophenazone, INN***. *Amidopyrine*
[58-15-1]

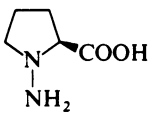


$C_{13}H_{17}N_3O$ M 231.297
Antipyretic, analgesic. Mp 107-109°.
▷CD2625000.
B,HCl: Deliquescent prisms. Mp 143-144°.
Cyclamate: [747-30-8]. *Aminophenazone cyclamate, INN*.

Hart, E.R., *J. Pharm. Exp. Ther.*, 1947, **89**, 205 (*pharmacol*)
Kametani, T. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 1305 (*synth*)
Tubaro, E. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1024 (*tox*)
Zadeczky, S., *Acta Pharm. Hung.*, 1973, **43**, 33 (*tlc*)
Baidarovsteva, M.A. *et al*, *J. Chromatogr.*, 1975, **104**, 277 (*glc*)
Singh, T.P. *et al*, *Curr. Sci.*, 1975, **44**, 153 (*cryst struct*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 61 (*nmr*)
Carlsson, K.H. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1987, **335**, 154 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2609.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2825.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1108.

1-Amino-2-pyrrolidinecarboxylic acid A-00328

1-Aminoproline, *9CI*

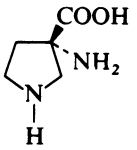


$C_5H_{10}N_2O_2$ M 130.146
(***R*)-*form*** [10139-05-6]
Obt. from linseed meal. Vitamin B_6 antagonist. Antibacterial. Mp 155° dec. $[\alpha]_D^{25}$ + 113° (c, 2 in 0.5M Hcl).

Klotsterman, H.J. *et al*, *Biochemistry*, 1967, **6**, 170 (*synth*)
Parsons, J.L. *et al*, *Antimicrob. Agents Chemother.*, 1967, 415.

3-Amino-3-pyrrolidinecarboxylic acid, 9CI A-00329

Cucurbitine



(*S*)-form
Absolute configuration

$C_5H_{10}N_2O_2$ M 130.146

(*S*)-form [6807-92-7]

Present in seeds of *Cucurbita* spp. Inhibits the growth of immature *Schistosoma japonicum*. Used as taenifuge. Cryst. $[\alpha]_D^{27}$ −19.76° (c, 9.31 in H_2O). Dec. above 260°.

B,HCl: Cryst. (EtOH aq.). $[\alpha]_D^{19.5}$ −15° (c, 1 in H_2O). Dec. at 275°.

B,HClO₄: Cryst. $[\alpha]_D^{20.5}$ −13.08° (c, 10.4 in H_2O). Dec. above 275°.

Dibenzoyl:
$C_{19}H_{18}N_2O_4$ M 338.362
Cryst. (MeOH aq.). Mp 207-208°. $[\alpha]_D^{24.5}$ −1.63° (c, 4.83 in MeOH).

Bis-4-nitrobenzoyl: Cryst. (MeOH aq.). Mp 234-235° dec.

(±)-form

B,HCl: Cryst. Dec. ca. 280°.

B,HBr: Cryst. Dec. at 286°.

B,HClO₄: Cryst. Dec. above 280°.

Di-Ac:
$C_9H_{14}N_2O_4$ M 214.221
Cryst. (EtOH aq.). Mp 243-244°.

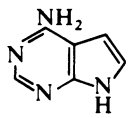
Dibenzoyl: Cryst. (MeOH aq.). Mp 226-227°.

Bis-4-nitrobenzoyl: Cryst. (MeOH aq.). Mp 255-256°.

Dunnill, P.M. *et al*, *Phytochemistry*, 1965, **4**, 933 (*occur*)
Fan, H.-F. *et al*, *CA*, 1965, **63**, 109 (*cryst struct, abs config*)
Monteiro, H.J., *J. Chem. Soc., Chem. Commun.*, 1973, 2 (*synth*)
Morimoto, Y. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3845 (*synth*)

4-Aminopyrrolo[2,3-*d*]pyrimidine A-00330

1H-Pyrrolo[2,3-d]pyrimidin-4-amine, 9CI



$C_6H_6N_4$ M 134.140

Aglycone of the antibiotic Tubercidin. Cryst. (H_2O). Mp 252-254°.

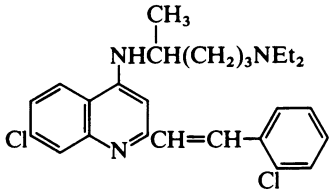
4-N-Nonyl: [5626-36-8]. *N-Nonyl 7H-pyrrolo[2,3-d]-pyrimidin-4-amine*, 9CI. *4-(Nonylamino)-7H-pyrrolo[2,3-d]pyrimidine*, 8CI. **Nonapyrimine, INN.**
$C_{15}H_{24}N_4$ M 260.381
Anticonvulsant, vasodilator. Hemihydrate. Mp 122-124°.

Davoll, J., *J. Chem. Soc.*, 1960, 131.
Suzuki, S. *et al*, *J. Antibiot., Sect. A*, 1961, **14**, 34.
U.S.P., 3 037 980, (*1962*); *CA*, **57**, 151306 (*Nonapyrimine*)
Taylor, E.C. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 951.

Aminoquinol, INN A-00331

7-Chloro-2-(o-chlorostyryl)-4-[[4-(diethylamino)-1-methylbutyl]amino]quinoline, 8CI. *N⁴-[7-Chloro-2-[2-(2-chlorophenyl)ethenyl]-4-quinolinyl]-N′,N′-diethyl-1,4-pentanediamine*, 9CI. *Aminochinol*

[10023-54-8]



$C_{26}H_{31}Cl_2N_3$ M 456.457

Antiprotozoal agent (used to treat leishmaniasis).

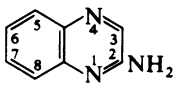
B,3H₃PO₄: [3653-53-0]. Cryst. Mp 196-198° dec.

Rubtsov, M.V., *J. Med. Chem.*, 1960, **2**, 113 (*synth, deriv, pharmacol*)
Chan, J.C. *et al*, *Experientia*, 1969, **25**, 329 (*metab*)

2-Aminoquinoxaline A-00332

2-Quinoxalinamine, 9CI

[5424-05-5]



$C_8H_7N_3$ M 145.163

Mp 155-156°. Subl. *in vacuo*.

2-N-Ac: [6479-24-9].
$C_{10}H_9N_3O$ M 187.201
Yellow. Mp 192.3-193.5°.

1-N-Oxide: [6479-23-8].
$C_8H_7N_3O$ M 161.163
Mp 187-188°.

N-(4-Aminobenzenesulfonyl): [59-40-5]. *4-Amino-N-2-quinoxalinylbenzenesulfonamide*, 9CI. **Sulfaquinoxaline, BAN, INN.** *Avicocid. Aviochina. Embazin. Italquina. Kokozigal S. Nococcin. Quinoxipra C. Sulfabenzpyrazinium. Sulfa-Q. Sulquin. Compound 3-120.*
$C_{14}H_{12}N_4O_2S$ M 300.334
Antimicrobial, coccidostat for vet. use. Sol. alkalis. Mp 247-248°. Freq. used as Na salt.

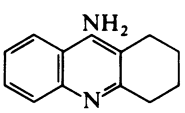
▷WP2100000.

Weijlard, J. *et al*, *J. Am. Chem. Soc.*, 1944, **66**, 1957.
Elina, A.S., *Zh. Obshch. Khim.*, 1963, **33**, 1954; *CA*, **59**, 12807.
Ryley, J.F., *Parasitology*, 1968, **58**, 215 (*deriv, use*)

9-Amino-1,2,3,4-tetrahydroacridine, 8CI A-00333

1,2,3,4-Tetrahydro-9-acridinamine, 9CI. **Tacrine, BAN, INN.** *Romotal. Tenakrin. T.H.A.*

[321-64-2]



$C_{13}H_{14}N_2$ M 198.267

Analeptic agent used to promote mental alertness; reported to be useful in treatment of Alzheimer's disease. Octahedra (EtOH aq.). Mp 183-184°.

▷AR9532100.

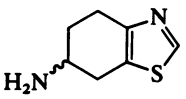
B,HCl: [1684-40-8]. Cryst. + $1H_2O$. Mp 284-287° (hydrate).

N-*Butyl:* [316-15-4]. ***Bucricaine, INN.***
$C_{17}H_{22}N_2$ M 254.374
CNS stimulant, anticholinesterase. Mp 65°.
▷AR9534000.

Albert, A. *et al, J. Soc. Chem. Ind.*, 1945, **64**, 169 (*synth*)
Moore, J. *et al, Tetrahedron Lett.*, 1963, **20**, 1277.
Patnaik, G.K. *et al, J. Med. Chem.*, 1966, **9**, 483 (*deriv*)
Fusek, J. *et al, Act. Nerv. Super.*, 1974, **16**, 226 (*pharmacol*)
Konshin, M.E. *et al, Khim.-Farm. Zh.*, 1974, **8**, 17 (*synth, pharmacol*)
Bielavsky, J., *Collect. Czech. Chem. Commun.*, 1977, **42**, 2802; 1980, **45**, 966 (*synth, props, bibl*)
Faure, R. *et al, J. Chim. Phys. Phys.-Chim. Biol.*, 1981, **78**, 527 (*cmr*)
Hsieh, J.Y.K. *et al, J. Chromatogr.*, 1983, **274**, 388 (*hplc*)
Girgis, N.S. *et al, Synthesis*, 1985, 547 (*synth*)
Summers, W.K. *et al, New Engl. J. Med.*, 1986, **315**, 1241 (*pharmacol*)
Zacharias, D.E. *et al, Acta Crystallogr., Sect. C*, 1988, **44**, 1656 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1447.

6-Amino-4,5,6,7-tetrahydrobenzothiazole A-00334

4,5,6,7-Tetrahydro-6-benzothiazolamine
[70590-66-8]

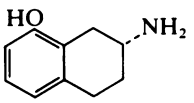


$C_7H_{10}N_2S$ M 154.229
$Bp_{0.6}$ 120-130°.
B,HCl: [70590-77-1]. Mp 335° dec.
N-*Me:* [70590-58-8]. *4,5,6,7-Tetrahydro-*N*-methyl-6-benzothiazolamine, 9CI.* ***Etrabamine, INN.***
$C_8H_{12}N_2S$ M 168.256
Dopaminergic, antidepressant. $Bp_{0.5}$ 88-90°.
N-*Me, B,HCl:* [70590-44-2]. Mp 224-225°.

Maillard, J. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 451 (*synth, pharmacol*)

7-Amino-5,6,7,8-tetrahydro-1-naphthalenol, 9CI A-00335

2-Amino-8-hydroxytetralin
[85951-58-2]



(*R*)-*form*

$C_{10}H_{13}NO$ M 163.219

(R)-form

N,N-*Dipropyl:* [80300-09-0]. *2-(Dipropylamino)-8-hydroxytetralin.*
$C_{16}H_{25}NO$ M 247.380
Potent 5-hydroxytryptamine receptor agonist with preference for $5HT_{1A}$ sites. More potent by a factor of ~2 than the (*S*)-enantiomer. Cryst. ($EtOH/Et_2O$). Mp 178.5-179.5°. $[\alpha]_D^{22}$ +67.5° (c, 1.03 in MeOH).
Me ether, N-*benzyl:* Intermed. for synthesis of the dipropylamino compd. Mp 240-241° (as hydrochloride). $[\alpha]_D^{20}$ +63.7° (c, 1 in MeOH).

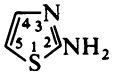
(±)-form [94344-99-7]

N,N-*Dipropyl; B,HBr:* [87394-87-4]. Cryst. (EtOH). Mp 221.5-222°.

McDermed, J.D. *et al, J. Med. Chem.*, 1976, **19**, 547 (*synth, isom*)
Arvidsson, L.-E. *et al, J. Med. Chem.*, 1981, **24**, 921 (*deriv, synth*)
Seiler, M.P. *et al, Mol. Pharmacol.*, 1982, **22**, 281; 1984, **26**, 452 (*pharmacol, deriv*)
Arvidsson, L.-E. *et al, J. Med. Chem.*, 1984, **27**, 45 (*deriv*)
Arvidsson, L.-E., *Drugs Future*, 1985, **10**, 916 (*deriv, rev*)
Arvidsson, L.-E. *et al, Prog. Drug Res.*, 1986, **30**, 365 (*deriv, rev*)
Karlsson, A. *et al, Acta Chem. Scand., Ser. B*, 1988, **42**, 231 (*synth, resoln, cryst struct*)

2-Aminothiazole A-00336

2-Thiazolamine, 9CI. ***Aminothiazole, INN.*** *Abadol. RP 2921*
[96-50-4]



$C_3H_4N_2S$ M 100.138
Thyroid inhibitor. Yellow cryst. (EtOH). Mp 90°. Bp_{11} 140°.
▷Highly toxic. Ignited in drying oven. Violent explosion when nitrated with nitric/sulphuric acids. XJ2100000.
N-*Me:* [6142-06-9].
$C_4H_6N_2S$ M 114.165
Mp 80-82°.
N-*Et:* [13472-75-8].
$C_5H_8N_2S$ M 128.192
Mp 49-50°.
N-*Di-Et:* [13472-99-6].
$C_7H_{12}N_2S$ M 156.245
Bp_{11} 105-111°.
N-*Ac:* [2719-23-5].
$C_5H_6N_2OS$ M 142.175
Cryst. (H_2O). Mp 203°.
▷AC8800000.
N-*Phenyl:* [33142-18-6].
$C_9H_8N_2S$ M 176.236
Mp 125-126°.
N-*Benzoyl:* [13053-82-2].
$C_{10}H_8N_2OS$ M 204.246
Mp 152°.

Kaye, I.A. *et al, J. Am. Chem. Soc.*, 1952, **74**, 2271 (*synth*)
Erlenmeyer, H. *et al, Helv. Chim. Acta*, 1955, **38**, 1293 (*synth*)
van Zwieten, P. *et al, Recl. Trav. Chim. Pays-Bas*, 1962, **81**, 554 (*synth*)
Vincent, E.J., *Bull. Soc. Chim. Fr.*, 1966, 3530 (*struct*)
Forlani, L., *Gazz. Chim. Ital.*, 1981, **111**, 159 (*pmr, tautom*)
Caranoni, C. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 1255 (*cryst struct*)
Chen, B.C. *et al, Helv. Chim. Acta*, 1983, **66**, 1537 (*N-15 nmr*)
Balaban, A.T. *et al, Magn. Reson. Chem.*, 1985, **23**, 553 (*cmr*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 19.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 428.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 177.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 253.

4-Amino-3-thiophenecarboxylic acid, 9CI A-00337

[26112-64-1]
$C_5H_5NO_2S$ M 143.160
N-(*2,6-Dichlorophenyl*): [16562-98-4]. ***Clantifen, INN.***
$C_{11}H_7Cl_2NO_2S$ M 288.148

Antiflammatory agent. Mp 194°. pK_a 5.04.

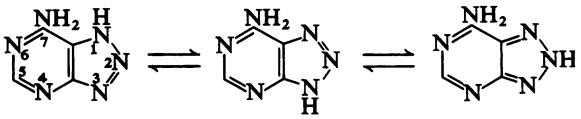
Netherlands Pat., 6 604 742, (*1966*); *CA*, **67**, 21811 (*synth, pharmacol*)

Alpermann, H.G., *Arzneim.-Forsch.*, 1970, **20**, 293 (*pharmacol*)

7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]-pyrimidine A-00338

1H-1,2,3-Triazolo[4,5-d]pyrimidin-7-amine, 9CI. *8-Azaadenine*

[1123-54-2]



1H-form *3H-form* *2H-form*

$C_4H_4N_6$ M 136.116

Purine antagonist. Cryst. (H_2O). Mp 310° dec., 345° dec.

1H-form

1-Me:

$C_5H_6N_6$ M 150.143

Cryst. (H_2O). Mp >300°.

3H-form

3-Me:

$C_5H_6N_6$ M 150.143

Slightly-yellow needles (MeOH). Mp 314-315°.

2H-form

2-Me:

$C_5H_6N_6$ M 150.143

Cryst. (H_2O). Mp 264°.

Roblin, R.O. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 290 (*synth*)

Pullmann, B. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. D*, 1969, **268**, 2958 (*tautom*)

Albert, A., *J. Chem. Soc., Perkin Trans. 1*, 1975, 345 (*synth*)

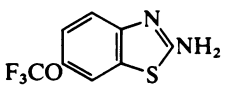
Purnell, L.G. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 1450 (*cryst struct*)

Bose, S.N. *et al*, *Biomed. Mass Spectrom.*, 1977, **4**, 305 (*ms*)

2-Amino-6-(trifluoromethoxy)benzothiazole A-00339

6-(Trifluoromethoxy)-2-benzothiazolamine, 9CI. ***Riluzole, INN***. *PK 26124*

[1744-22-5]



$C_8H_5F_3N_2OS$ M 234.196

Anticonvulsant, antiepileptic agent. Mp 117-119°.

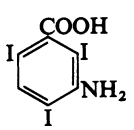
Yagupol'skii, L.M. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 2301 (*synth*)

Eur. Pat., 50 551, (*1982*); *CA*, **97**, 44352 (*pharmacol*)

Mizoule, J. *et al*, *Neuropharmacology*, 1985, **24**, 767 (*pharmacol*)

3-Amino-2,4,6-triiodobenzoic acid, 9CI, 8CI A-00340

[3119-15-1]



$C_7H_4I_3NO_2$ M 514.828

Cryst. Mp 196.5-197.5°.

▷DG3349000.

N-*Ac:* [85-36-9]. ***Acetrizoic acid***.

$C_9H_6I_3NO_3$ M 556.865

Diagnostic aid, radioopaque medium. Cryst. (AcOH). Mp 283-284° dec. (280-280.5°).

▷DG0887000.

N-*Ac, Na salt:* [129-63-5]. *Sodium acetrizoate, BAN, INN. Acetriazoate sodium. Cystokon. Pyelokon* R. *Thixokon. Urokon sodium. Numerous proprietary names.* Radioopaque medium. Diagnostic aid. Mp 278-283° dec. Opacoron is a mix of Sodium acetrizoate and Meglumine acetrizoate.

▷DG0888000.

N-*Ac*, N-*Methylglucamine salt:* [22154-43-4]. *Meglumine acetrizoate.*

$C_{16}H_{23}I_3N_2O_8$ M 752.080

Diagnostic aid, radioopaque medium. Minute cryst.

▷LZ4295880.

N,N-*Di-Ac:* [10311-24-7]. *3-(Diacetylamino)-2,4,6-triiodobenzoic acid*, 9CI.

$C_{11}H_8I_3NO_4$ M 598.902

Diagnostic aid (radiopaque medium). Cryst. (EtOH). Mp 227-228° dec.

N,N-*Di-Ac, Propyl ester:* [5579-08-8]. *Propyl docetrizoate, INN. Pulmidol.*

$C_{14}H_{14}I_3NO_4$ M 640.982

Diagnostic aid (radiopaque medium). Cryst. (EtOH). Mp 158-160°.

Amide:

$C_7H_5I_3N_2O$ M 513.843

Plates (AcOH aq.). Mp 236-237°.

Nitrile: 3-Cyano-2,4,6-triiodoaniline.

$C_7H_3I_3N_2$ M 495.828

Cryst. (MeOH). Mp 187-188° dec.

Wallingford, V.H. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 4365 (*synth*)

Priewe, H. *et al*, *Chem. Ber.*, 1954, **87**, 651 (*synth*)

Schmid, H.W., *Pharm. Acta Helv.*, 1971, **46**, 210 (*deriv*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1520, 1551.

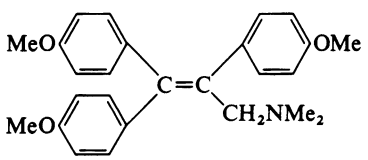
Babushkina, T.A. *et al*, *Z. Naturforsch., A.*, 1986, **41**, 186 (*I-127 nqr*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1083 (*synonyms*)

Aminoxytriphene, INN A-00341

β-[Bis(4-methoxyphenyl)methylene]-4-methoxy-N,N-dimethylbenzeneethanamine, 9CI. *2,3,3-Tris(p-methoxyphenyl)-N,N-dimethylallylamine*, 8CI. *Amotriphene. Myordil. Win 5494. Rimalcor*

[5585-64-8]



$C_{26}H_{29}NO_3$ M 403.520

Coronary vasodilator.

B,HCl: [568-69-4]. Mp 182-184°.

▷BA7350000.

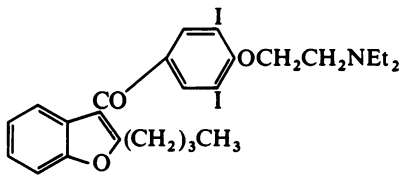
Karczmar, A.G. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1958, **98**, 114 (*pharmacol*)

B.P., 828 762, (*1960*); *CA*, **54**, 17336f (*synth*)

Amiodarone, BAN, INN, USAN **A-00342**

(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone, 9CI. Numerous proprietary names

[1951-25-3]



$C_{25}H_{29}I_2NO_3$ M 645.318

Antiarrhythmic drug.

▷OB1360000.

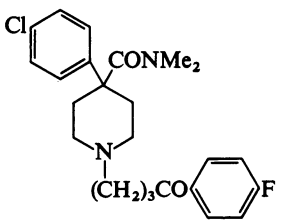
B,HCl: [19774-82-4]. *Atlansil. Cordarone.* Mp 156°.

Fr. Pat., 1 339 389, (*1963*); *CA*, **60**, 2893b (*synth*)
Hallwachs, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 927 (*pharmacol*)
Singh, B.N., *Am. Heart J.*, 1983, **106**, 788, 924 (*revs*)
Sloskey, G.E., *Clin. Pharm.*, 1983, **2**, 330 (*rev*)
Weirsinga, W.M. *et al*, *Postgrad. Med. J.*, 1986, **62**, 909 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7271.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7780.

Amiperone, INN **A-00343**

4-(4-Chlorophenyl)-1-[4-(4-fluorophenyl)-4-oxobutyl]-N,N-dimethyl-4-piperidinecarboxamide, 9CI. 4-(p-Chlorophenyl)-1-[3-(p-fluorobenzoyl)propyl]-N,N-dimethylisonipecotamide, 8CI. Paraperidide. R 2962

[1580-71-8]



$C_{24}H_{28}ClFN_2O_2$ M 430.949

▷NS4970000.

(±)-form

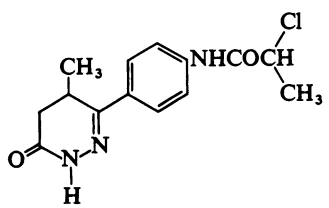
Neuroleptic agent, tranquilliser. Mp 137-138°.

Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)
Frigerio, A. *et al*, *Org. Mass. Spectrom.*, 1972, **6**, 1051 (*ms*)
U.S.P., 3 850 935, (*1974*); *CA*, **83**, 43198b (*synth*)

Amipizone, INN **A-00344**

2-Chloro-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]propanamide, 9CI. LU 23051

[69635-63-8]



$C_{14}H_{16}ClN_3O_2$ M 293.752

(±)-form

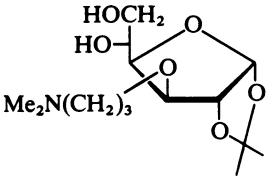
Antihypertensive agent, platelet-aggregation inhibiting agent. Mp 229-230° (222-223°).

Ger. Pat., 2 727 481, (*1979*); *CA*, **90**, 137849m (*synth*)
Thyes, M. *et al*, *J. Med. Chem.*, 1983, **26**, 800 (*synth, pharmacol*)

Amiprilose, INN **A-00345**

3-O-[3-(Dimethylamino)propyl-1,2-O-(1-methylethylidene)-α-D-glucofuranose. Therafactin. SM 1213

[56824-20-5]



$C_{14}H_{27}NO_6$ M 305.370

Immunomodulator. Antiviral and antiinflammatory agent. Viscous oil. $[\alpha]_D$ −12° (neat). n^{25} 1.4687.

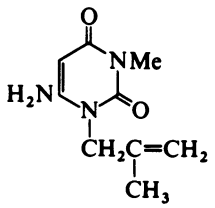
B,HCl: [60414-06-4]. *Amiprilose hydrochloride, USAN.* Cryst. (MeOH). Mp 181-183°.

B.P., 1 497 409, (*1974*); *CA*, **89**, 117809 (*synth, pharmacol*)
Garrett, E.R. *et al*, *J. Pharm. Sci.*, 1982, **71**, 387; 1983, **72**, 1045 (*pharmacol, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1207.

Amisometradine, BAN, INN **A-00346**

6-Amino-3-methyl-1-(2-methyl-2-propenyl)-2,4(1H,3H)-pyrimidinedione, 9CI. 6-Amino-3-methyl-1-(2-methylallyl)uracil, 8CI. Aminoisometradine. Rolicton

[550-28-7]



$C_9H_{13}N_3O_2$ M 195.221

Diuretic. Cryst. (H_2O). Sol. EtOH, Me_2CO, insol. Et_2O. Mp 175°.

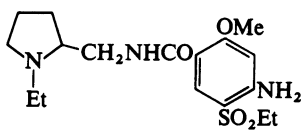
▷YQ8800000.

Papesch, V. *et al*, *J. Org. Chem.*, 1951, **16**, 1879 (*synth*)
Ford, R.V. *et al*, *Am. J. Med. Sci.*, 1957, **234**, 640.
Van Arman, C.G. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **126**, 400 (*pharmacol*)
Boesch, L. *et al*, *Sci. Pharm.*, 1978, **46**, 62 (*struct*)

Amisulpride, INN **A-00347**

4-Amino-N-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, 9CI. 4-Amino-N-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-o-anisamide. Aminosultopride. Majorem. Socian. DAN 2163

[71675-85-9]



$C_{17}H_{27}N_3O_4S$ M 369.478

Optical isomers have also been prepd.

(±)-*form*

Antiemetic and spasmolytic agent; psychotherapeutic (autism). Cryst. (Me_2CO). Mp 126-127°.

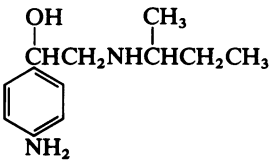
B,HCl: [81342-13-4].

U.S.P., 4 294 828, (*1979*); *CA*, **91**, 211113f (*synth, pharmacol*)
Hanocq, M. *et al*, *Pharm. Acta Helv.*, 1982, **57**, 37 (*uv, ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1759.

Amiterol, INN A-00348

4-Amino-α-[[(1-methylpropyl)amino]methyl]-benzenemethanol, 9CI. p-*Amino-α*[(sec-*butylamino*)-*methyl*]*benzyl alcohol*

[54063-25-1]



$C_{12}H_{20}N_2O$ M 208.303

Bronchodilator. Cryst. (C_6H_6). Mp 73-74°.

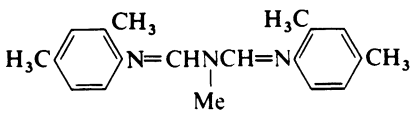
B,HCl: Cryst. (2-propanol). Mp 112-113°.

B.P., 915 261, (*1963*); *CA*, **58**, 8860e (*synth*)
Teotino, U.M. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 26 (*synth, pharmacol*)

Amitraz, BAN, INN, USAN A-00349

N′-(2,4-Dimethylphenyl)-N-[[(2,4-dimethylphenyl)-imino]methyl]-N-methylmethanimidamide, 9CI. N-*Methyl-N′-2,4-xylyl-N-(N-2,4-xylylformimidoyl)-formamidine, 8CI. Ectodex. Mitac. Mitaban. Taktic. U 36059. Triatix. Triatox. BTS 27419*

[33089-61-1]



$C_{19}H_{23}N_3$ M 293.411

Vet. acaricide, scabicide.

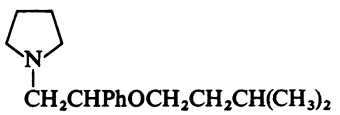
▷ZF0480000.

Ger. Pat., 2 061 132, (*1971*); *CA*, **75**, 63443r (*synth*)
Harrison, I.R. *et al*, *Pestic. Sci.*, 1972, **3**, 679 (*synth, pharmacol*)
Harrison, I.R. *et al*, *Pestic. Sci.*, 1981, **12**, 467 (*rev, pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1842.

Amixetrine, INN A-00350

1-[2-(3-Methylbutoxy)-2-phenylethyl]pyrrolidine, 9CI.
1-[β-(Isopentyloxy)phenethyl]pyrrolidine, 8CI

[24622-72-8]



$C_{17}H_{27}NO$ M 261.406

(±)-*form*

Antiinflammatory, antidepressant, antispasmodic. Oil. Bp_2 121°. $n_D^{21.6}$ 1.4978.

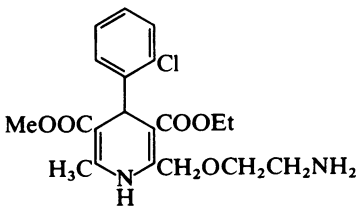
B,HCl: [24622-52-4]. *Somagest. CERM 898.* Mp 150°.

Ger. Pat., 1 811 767, (*1969*); *CA*, **72**, 21607e (*synth*)
Rey, A., *Farmaco, Ed. Sci.*, 1974, **39**, 434 (*pharmacol*)
Constantin, M. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 646 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 678.

Amlodipine, BAN, INN A-00351

2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3-ethyl 5-methyl ester, 9CI

[88150-42-9]



$C_{20}H_{25}ClN_2O_5$ M 408.881

(±)-*form* [103069-18-7]

Antianginal, antihypertensive agent.

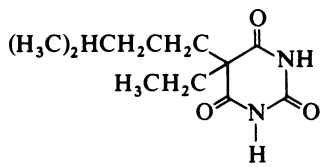
Maleate (1:1): Amlodipine maleate, USAN. UK 48340-11. Cryst. (EtOAc). Mp 178-179°.

Arrowsmith, J.E. *et al*, *J. Med. Chem.*, 1986, **29**, 1696 (*synth, pharmacol*)
Faulkner, J.K. *et al*, *Br. J. Clin. Pharmacol.*, 1986, **22**, 21 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18613.

Amobarbital, USAN, INN A-00352

5-Ethyl-5-(3-methylbutyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Ethyl-5-isoamylbarbituric acid. ***Amylobarbitone, BAN.*** *Amital. Pentymal*

[57-43-2]



$C_{11}H_{18}N_2O_3$ M 226.275

Sedative, narcotic, has been used as "truth drug". Leaflets (H_2O or EtOH aq.). Mp 156-158°.

▷Mod. toxic. CQ5075000.

Na salt: [64-43-7]. *Amobarbital sodium, USAN. Talamo. Amytal sodium.* Component of Tuinal.

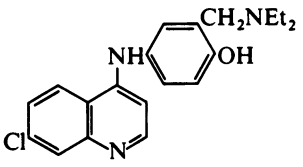
▷CQ5250000.

Shonle, H.A. *et al*, *J. Am. Chem. Soc.*, 1923, **45**, 246 (*synth*)
Maynert, E.W. *et al*, *J. Org. Chem.*, 1950, **15**, 259 (*synth*)
Tsuruta, M. *et al*, *J. Chem. Soc. Jpn., Ind. Chem. Sect.*, 1951, **54**, 722 (*synth*)
Grützmacher, H.F. *et al*, *Tetrahedron Lett.*, 1966, 1365 (*ms*)
Craven, B.M. *et al*, *J. Mol. Struct.*, 1973, **16**, 331 (*cryst struct*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1580 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4005.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 256.

Amodiaquine, BAN, INN, USAN **A-00353**

4-[(7-Chloro-4-quinolinyl)amino]-2-[(diethylamino)-methyl]phenol, 9CI, 8CI. 4-(3-Dimethylaminomethyl-4-hydroxyanilino)-7-chloroquinoline

[86-42-0]



$C_{20}H_{22}ClN_3O$ M 355.866

Antimalarial drug. Mp 208° dec.

B,2HCl: [69-44-3]. *Amodiaquine hydrochloride, INN, USAN. Camoquin. Flavoquine. Miaquin. SN 10751.* Yellow bitter cryst. + $2H_2O$. Dec. at 150-160°.

▷GO7300100.

1-Oxide: Mp 226° dec.

N′ (α)-*Oxide:* Mp 191° dec.

N,N′-*Dioxide:* Mp 189-190° dec.

Burckhalter, J.H. *et al, J. Am. Chem. Soc.*, 1948, **70**, 1363 (*synth*)
Elslager, E.F. *et al, J. Heterocycl. Chem.*, 1964, **1**, 6 (*uv, oxides*)
Natarajan, P.N. *et al, Arzneim-Forsch.*, 1972, **22**, 1230 (*synth*)
Barrow, A., *Xenobiotica*, 1974, **4**, 669 (*metab*)
Kang, I.P.S. *et al, J. Pharm. Pharmacol.*, 1974, **26**, 201 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1374.

Amogastrin, INN, JAN **A-00354**

N-[((*1,1-Dimethylpropoxy*)*carbonyl*]-L-*tryptophyl*-L-*methionyl*-L-α-*aspartyl*-L-*phenylalaninamide, 9CI.* N-*Carboxy*-L-*tryptophyl*-L-*methionyl*-L-α-*aspartyl*-3-*phenyl*-L-*alaninamide* N-tert-*pentyl ester, 8CI. Gastopsin*

[16870-37-4]

$H_3CCH_2C(CH_3)_2OOC$-L-Trp-L-Met-L-Asp-L-PheNH_2

$C_{35}H_{46}N_6O_8S$ M 710.844

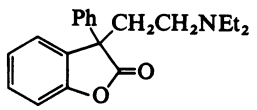
Gastric acid secretion stimulant. Mp 229-230° dec. $[\alpha]_D^{14}$ −31.3°.

Sakakibara, S. *et al, Bull. Chem. Soc. Jpn.*, 1968, **41**, 438 (*synth*)
Lin, T.-M. *et al, Gastroenterology*, 1976, **70**, 733 (*pharmacol*)
Anon, *Med. Actual.*, 1979, **15**, 267 (*rev*)

Amolanone, INN **A-00355**

3-[2-(Diethylamino)ethyl]-3-phenyl-2(3H)-benzofuranone, 9CI. Amethone

[76-65-3]



$C_{20}H_{23}NO_2$ M 309.407

▷DF7875000.

(±)-***form***

Local anaesthetic. Mp 43-44°. Bp_2 192-194°. $n_D^{24.5}$ 1.5614.

B,HCl: [6009-67-2]. Mp 152-153°.

▷DF7890000.

Weston, A.W. *et al, J. Am. Chem. Soc.*, 1952, **74**, 653 (*synth, pharmacol*)
Fike, W.W., *Anal. Chem.*, 1966, **38**, 1697 (*tlc*)

Amonafide, INN **A-00356**

5-Amino-2-[2-(dimethylamino)ethyl]-1H-benz[de]-isoquinoline-1,3(2H)-dione, 9CI. Nafidimide. M-FA 142. NSC 308847

[69408-81-7]



$C_{16}H_{17}N_3O_2$ M 283.329

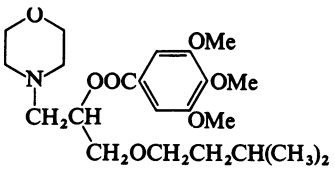
Antineoplastic and antiviral agent. Mp 169-171°.

Garcia, G. *et al, Antiviral Res.*, 1984, **4**, 201 (*pharmacol*)
Powis, G. *et al, J. Chromatogr.*, 1985, **345**, 402, 408 (*hplc*)
Zee-Cheng, R.K.Y. *et al, J. Med. Chem..*, 1985, **28**, 1216 (*synth, pharmacol*)
Felder, T.B. *et al, Drug Metab. Dispos.*, 1987, **15**, 773 (*metab*)

Amoproxan, INN **A-00357**

1-[(3-Methylbutoxy)methyl]-2-(4-morpholinyl)ethyl 3,4,5-trimethoxybenzoate, 9CI. 2-[(Isopentyloxy)-1-morpholinomethyl]ethyl 3,4,5-trimethoxybenzoate, 8CI

[22661-76-3]



$C_{22}H_{35}NO_7$ M 425.521

(±)-***form***

Antiarrhythmic, antianginal agent.

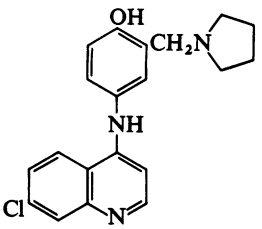
B,HCl: Mederel. 730-CERM. Mp 145°.

B.P., 1 211 307, (*1970*); *CA*, **74**, 141861w (*synth, pharmacol*)
Roulet, C. *et al, Therapie*, 1972, **27**, 93 (*pharmacol*)

Amopyroquine, INN **A-00358**

4-[(7-Chloro-4-quinolinyl)amino]-2-(1-pyrrolidinylmethyl)phenol, 9CI. 4-[(7-Chloro-4-quinolyl)amino]-α-1-pyrrolidinyl-o-cresol, 8CI. Propoquin. PAM 780

[550-81-2]



$C_{20}H_{20}ClN_3O$ M 353.851

Antimalarial agent. Mp 196-198° dec.

▷Induces retinal lesions

B,2HCl: [10350-81-9]. Mp 299-300°.

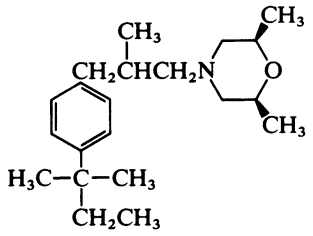
▷GO7350000.

Nobles, W.L. *et al, J. Pharm. Sci.*, 1963, **52**, 600 (*synth, pharmacol*)
Kurtz, S.M. *et al, Invest. Ophthalmol.*, 1967, **6**, 420 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1375.

Amorolfine, INN **A-00359**

4-[3-[4-(1,1-Dimethylpropyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine, 9CI

[67467-83-8]



cis-form

$C_{21}H_{35}NO$ M 317.514

cis*-(±)-*form [78613-35-1]

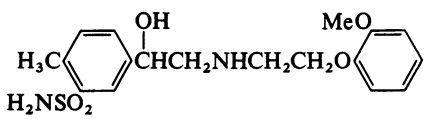
Antifungal agent. $Bp_{0.1}$ 120°.

B,HCl: [78613-38-4]. *Ro 14-4767/002.* Hygroscopic cryst. Mp 204-206°.

Eur. Pat., 24 334, (*1981*); *CA*, **95**, 80987 (*synth, pharmacol*)
Espinel-Ingroff, A. *et al*, *Antimicrob. Agents Chemother.*, 1984, **26**, 5 (*props*)
Odds, F.C. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 105 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2836.

Amosulalol, INN **A-00360**

5-[1-Hydroxy-2-[[2-(2-methoxyphenoxy)ethyl]amino]-ethyl]-2-methylbenzenesulfonamide, 9CI. Amosulal



$C_{18}H_{24}N_2O_5S$ M 380.458

(±)-*form* [85320-68-9]

α- and β-Adrenergic blocking agent.

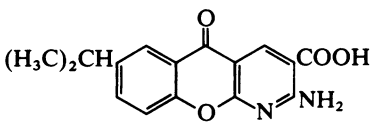
B,HCl: [70958-86-0]. *YM 09538.* Cryst. + ½H_2O. Mp 166-169°.

Ger. Pat., 2 843 016, (*1979*); *CA*, **91**, 157445a (*synth*)
Takenaka, T. *et al*, *Eur. J. Pharmacol.*, 1982, **85**, 35 (*pharmacol*)
Kamimura, H. *et al*, *J. Chromatogr.*, 1983, **275**, 81 (*glc*)
Kamimura, H. *et al*, *Xenobiotica*, 1984, **14**, 613, 621 (*pharmacol, metab*)
Takenaka, T. *et al*, *J. Pharm. Pharmacol.*, 1984, **36**, 539 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18755.

Amoxanox **A-00361**

2-Amino-7-isopropyl-5-oxo-5H-[1]benzopyrano[2,3-b]-pyridine-3-carboxylic acid. ***Amlexanox, INN.*** *AA 673*

[68302-57-8]



$C_{16}H_{14}N_2O_4$ M 298.298

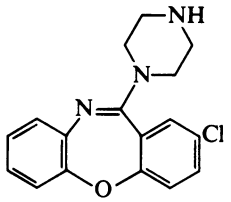
Drug for treatment of bronchial asthma. Antiallergic agent. Cryst. (DMF). Mp >300°.

Nohara, A. *et al*, *J. Med. Chem.*, 1985, **28**, 559 (*synth, pharmacol*)
Ukawa, K. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 4432 (*metab*)

Amoxapine, BAN, INN, USAN, JAN **A-00362**

2-Chloro-11-(1-piperazinyl)dibenz[b,f][1,4]oxazepine, 9CI, 8CI. Desmethylloxapine. Amoxan. Anamox. Asendin. Demolax. Demolox. Moxadil. Omnipress. AMOX. CL 67772

[14028-44-5]



$C_{17}H_{16}ClN_3O$ M 313.786

Antidepressant. Cryst. (C_6H_6/pet. ether). Mp 178-180° (172-175°).

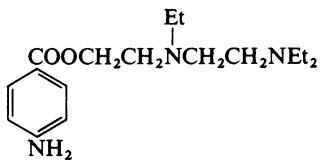
▷HQ4025500.

Schmutz, J. *et al*, *Chim. Ther.*, 1967, **2**, 429 (*pharmacol*)
Schmutz, J. *et al*, *Helv. Chim. Acta*, 1967, **50**, 245 (*synth*)
Cosulich, D.B. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1147 (*cryst struct*)
Greenblatt, E.N. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 1 (*rev, pharmacol*)
Anon, *Drugs of Today*, 1980, **16**, 73 (*rev*)
Kinney, J.L. *et al*, *Clin. Pharm.*, 1982, **1**, 417 (*rev, pharmacol*)
Wong, S.H.Y., *Methodol. Anal. Toxicol.*, 1985, **3**, 29 (*rev, hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2503.

Amoxecaine, INN **A-00363**

2-[(2-Diethylaminoethyl)ethylamino]ethyl p-*aminobenzoate, 8CI*

[553-65-1]



$C_{17}H_{29}N_3O_2$ M 307.435

Local anaesthetic.

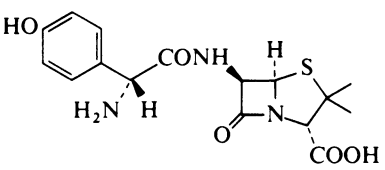
B,HCl: [5953-97-9]. *Locastine. 2856 R.P.*. Mp 122-124°. *B,2HCl:* Mp 200°.

Gryszkiewicz-Trochimowski, E., *Arch. Chem. Farm.*, 1937, **3**, 215 (*synth, pharmacol*)

Amoxycillin, BAN **A-00364**

6-[[Amino(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. 6-(α-Amino-4-hydroxyphenylacetamido)penicillanic acid. ***Amoxicillin, INN, JAN, USAN.*** *Hydroxyampicillin. Numerous proprietary names*

[26787-78-0]



$C_{16}H_{19}N_3O_5S$ M 365.403

Semisynthetic penicillin. Active against gram-positive and -negative bacteria. Antibacterial activity v. similar to Ampicillin but superior oral

absorption. Cryst. $+3H_2O$. Sol. H_2O. $[\alpha]_D^{20}$ +246° (c, 0.1 in H_2O).

▷XH8300000.

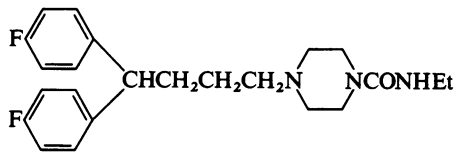
2-Naphthalenesulfonate: Mp 194° dec.

B.P., 1 241 844, (*1970*); *CA*, **72**, 90447 (*synth*)
Neu, H. *et al*, *Antimicrob. Agents Chemother.*, 1970, 407, 411, 416, 423, 427 (*props*)
Long, A. *et al*, *J. Chem. Soc.* (*C*), 1971, 1920 (*synth*)
Bhattacharyya, P.K. *et al*, *Anal. Profiles Drug. Subst.*, 1978, **7**, 19 (*rev*)
Boles, M.O. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 461 (*cryst struct*)
Owen, R.T., *Drugs of Today*, 1980, **16**, 163 (*rev, pharmacol*)
Bird, A.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Kawamori, M. *et al*, *Agric. Biol. Chem.*, 1983, **47**, 2503 (*biosynth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4027 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4, 5, 6.

Amperozide, INN, BAN A-00365

4-[4,4-Bis(4-fluorophenyl)butyl]-N-ethyl-1-piperazinecarboxamide, 9CI. Hogpax

[75558-90-6]



$C_{23}H_{29}F_2N_3O$ M 401.498

Antidepressant, antiaggressive agent.

B,HCl: [75529-73-6]. Cryst. (butanone/2-propanol). Mp 177-178°.

Ger. Pat., 2 941 880, (*1980*); *CA*, **93**, 239459p (*synth, pharmacol*)
U.S.P., 4 385 057, (*1983*); *CA*, **99**, 88232 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18810.

Amphecloral, USAN A-00366

*α-Methyl-N-(2,2,2-trichloroethylidene)-benzeneethanamine, 9CI. α-Methyl-N-(2,2,2-trichloroethylidene)phenethylamine. **Amfecloral, INN**. Acutran*

[5581-35-1]

$Cl_3CCH{=}NCH(CH_3)CH_2Ph$

$C_{11}H_{12}Cl_3N$ M 264.582

(±)-form

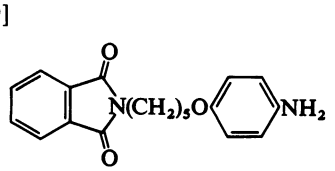
Appetite suppressant. $Bp_{0.5}$ 95°.

U.S.P., 2 923 661, (*1960*); *CA*, **54**, 9846 (*synth*)

Amphotalide, INN A-00367

2-[5-(4-Aminophenoxy)pentyl]-1H-isoindole-1,3(2H)-dione, 9CI. N-[5-(p-Aminophenoxy)pentyl]phthalimide, 8CI. Schistomide. RP 6171

[1673-06-9]



$C_{19}H_{20}N_2O_3$ M 324.379

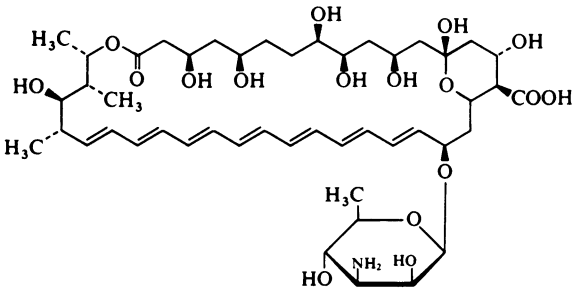
Antifungal, antischistosomal agent. Mp 113-114°.

Ashley, J.N. *et al*, *J. Chem. Soc.*, 1959, 3880 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 753.

Amphotericin *B*, 8CI, INN A-00368

***Amphotericin, BAN**. Ampho-Moronal. Amphozone. Anfostat. Fungizone. Amfostet. Other proprietary names*

[1397-89-3]



$C_{47}H_{73}NO_{17}$ M 924.090

Polyene antibiotic. Produced by *Streptomyces nodosus*. Antifungal agent. Deep-yellow prisms (DMF). Insol. H_2O. Mp >170° dec. $[\alpha]_D^{24}$ +333° (DMF).

▷BU2625000.

Meglumine salt (1:1): [58722-78-4]. *Amphoglucamine*. Used in treatment of candidiasis.

28,29-Dihydro: [1405-32-9]. ***Amphotericin A, 9CI***. $C_{47}H_{75}NO_{17}$ M 926.106

From *S. nodosus*. Antifungal agent. $[\alpha]_D^{24}$ +163° (Py).

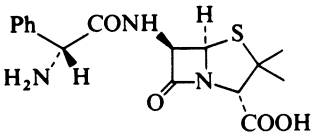
▷BU2614700.

Vandeputte, J. *et al*, *Antibiot. Ann.*, 1955, 587 (*isol*)
Mechlinski, W. *et al*, *Tetrahedron Lett.*, 1970, 3873 (*struct, cryst struct*)
Borowski, E. *et al*, *Tetrahedron Lett.*, 1970, 3909 (*struct, pmr, ms*)
Ganis, P. *et al*, *J. Am. Chem. Soc.*, 1971, **93**, 4560 (*cryst struct*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1976, **29**, 1035; 1977, **30**, 158 (*ir, uv, nmr, synth, cmr*)
Asher, I.M. *et al*, *Anal. Profiles Drug Subst.*, 1977, **6**, 1 (*rev*)
Holz, R.W., *Antibiotics* (*N.Y.*), 1979, **5**, 313 (*rev*)
Brown, J.M. *et al*, *Tetrahedron*, 1981, **37**, 1421 (*pmr*)
Sowinski, P. *et al*, *J. Antibiot.*, 1985, **38**, 169, 175 (*Amphotericin A*)
Aszalos, A. *et al*, *J. Antibiot.*, 1985, **38**, 1699 (*props*)
Nicolaou, K.C. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 2205, 2208, 2821 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8285 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2562.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 272.

Ampicillin, BAN, USAN, INN **A-00369**

6-[(Aminophenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptene-2-carboxylic acid, 9CI. *D-α-Aminobenzylpenicillin. 6-(α-Aminophenylacetamido)penicillanic acid*

[69-53-4]



$C_{16}H_{19}N_3O_4S$ M 349.404

Semisynthetic penicillin. Orally absorbed antibiotic active against gram-positive and -negative bacteria. Mp 199-202° dec. $[\alpha]_D^{23}$ +287.9° (H_2O). pK_a 2.53 (25°, H_2O).

▷XH8350000.

Na salt: [69-52-3]. *Ampicillin sodium,* USAN. Omnipen-N.

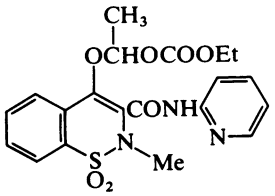
▷XH8400000.

Doyle, F. *et al, J. Chem. Soc.*, 1962, 1440 (*synth*)
Austin, K. *et al, Nature (London)*, 1965, **208**, 99
Ivashkiv, E., *Anal. Profiles Drug Subst.*, 1973, **2**, 1 (*rev*)
Boles, M. *et al, Acta Crystallogr., Sect. B*, 1976, **32**, 2279; 1978, **34**, 461 (*cryst struct*)
Kaifež, F. *et al, J. Heterocycl. Chem.*, 1976, **13**, 561 (*synth*)
Bird, A.E. *et al, J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Akita, H. *et al, Chem. Pharm. Bull.*, 1984, **32**, 4317 (*synth*)
Cooper, J. *et al, Tetrahedron*, 1984, **40**, 4153 (*synth*)
Humber, D.C. *et al, Tetrahedron*, 1984, **40**, 4153 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4026 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8, 9, 10.

Ampiroxicam, BAN, INN **A-00370**

Carbonic acid ethyl 1-[[2-methyl-3-[(2-pyridinylamino)carbonyl]-2H-1,2-benzothiazin-4-yl]-oxy]ethyl ester S,S-*dioxide,* 9CI. *CP 65703*

[99464-64-9]



$C_{20}H_{21}N_3O_7S$ M 447.462

(±)-*form*

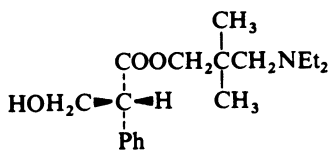
Antiinflammatory agent. Cryst. (toluene). Mp 159-161°.

Eur. Pat., 147 177, (*1985*); *CA*, **104**, 19596 (*synth*)

Amprotropine **A-00371**

α-(Hydroxymethyl)benzeneacetic acid 3-(diethylamino)-2,2-dimethylpropyl ester, 9CI. *3-Diethylamino-2,2-dimethylpropyl tropate,* 8CI

[148-32-3]



(*R*)-*form* Absolute configuration

$C_{18}H_{29}NO_3$ M 307.432

(*R*)-*form*

B,HCl: $[\alpha]_D$ +37°.

(*S*)-*form*

B,HCl: $[\alpha]_D$ −37°.

(±)-*form*

Antispasmodic, anticholinergic agent.

B,H_3PO_4: [134-53-2]. *Amprotropine phosphate. Syntropan. AP 407.* Bitter cryst. Mp 142-145°. Aq. soln. acid to litmus.

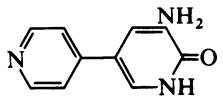
▷YM8400000.

Ger. Pat., 591 677, (*1934*); *CA*, **28**, 3187 (*synth*)
Blicke, F.F. *et al, J. Am. Chem. Soc.*, 1943, **65**, 1967 (*synth*)
Burtner, R.P. *et al, J. Am. Chem. Soc.*, 1943, **65**, 262 (*synth*)
Meyers, F.H. *et al, J. Pharmacol. Exp. Ther.*, 1952, **104**, 387 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5228.

Amrinone, BAN, INN, USAN **A-00372**

5-Amino-[3,4'-bipyridine]-6(1H)-one, 9CI. *Cordemcura. Inocor. Wincoram. Win 40680*

[60719-84-8]



$C_{10}H_9N_3O$ M 187.201

Cardiac inotropic agent. Cryst. (DMF). Mp 294-297° dec.

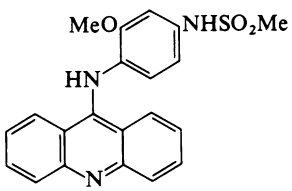
▷DW2500000.

U.S.P., 4 107 315, (*1978*); *CA*, **90**, 103844r (*synth*)
Alousi, A.A. *et al, Pharmacol. Biochem. Prop. Drug. Subst.*, 1981, **3**, 120 (*rev, pharmacol*)
Ward, A. *et al, Drugs*, 1983, **26**, 468 (*rev, pharmacol*)
Gomez-Parra, V. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 183 (*synth*)
Perry, R.S., *Med. Actual.*, 1984, **20**, 381 (*rev*)
Niedrich, H. *et al, Pharmazie*, 1986, **41**, 173, 176, 181 (*synth, cryst struct, tautom*)
Robertson, D.W. *et al, J. Med. Chem.*, 1986, **29**, 635 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12373.

Amsacrine, BAN, USAN, INN **A-00373**

N-[4-(9-Acridinylamino)-3-methoxyphenyl]-methanesulfonamide, 9CI. *4'-(9-Acridylamino)-methanesulfon-*m*-anisidide. Amekrin. Amsidine. Amsine. NSC 156303. CI 880*

[51264-14-3]



$C_{21}H_{19}N_3O_3S$ M 393.459

Cytotoxic, antiviral agent (DNA-polymerase inhibitor).

▷PB1080000.

B,HCl: [54301-15-4]. Cryst. Mp 231-232°.

▷PB1081000.

B,$MeSO_3H$: [54301-16-5]. Cryst. Mp 299-300°.

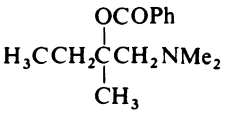
Cain, B.F. *et al, J. Med. Chem.*, 1975, **18**, 1110 (*synth, pharmacol*)
Baguley, B.C., *Drugs of Today*, 1984, **20**, 237 (*rev*)
Buckleton, J.S. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1587 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12374.

Amylocaine, BAN **A-00374**

1-(Dimethylamino)-2-methyl-2-butanol benzoate, 9CI

[644-26-8]



$C_{14}H_{21}NO_2$ M 235.325

▷EL2800000.

(+)-form

Plates. Mp 186-187°. $[\alpha]_D^{20}$ +8.5° (c, 0.042 in H_2O).

(−)-form

Mp 186-187°. $[\alpha]_D^{20}$ −8.5° (c, 0.042 in H_2O).

(±)-form

Local anaesthetic. Mp 175°.

B,HCl: [532-59-2]. *Amyleine. Dentomastic. Sedocaine. Stovaine.* Cryst. (EtOH). Mp 177-179° dec., 202°.

▷EL2850000.

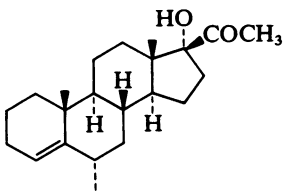
Picrate: Cryst. (EtOH aq.). Mp 115-116°.

Fiore, *Chem. Zentralbl.*, 1916, **1**, 1076.
Fourneau, E. *et al*, *CA*, 1928, **22**, 761, 2919 (*resoln*)
Peczenik, O. *et al*, *J. Pharm. Pharmacol.*, 1951, **3**, 36 (*pharmacol*)
Buchi, J. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 297 (*pharmacol*)
Quintard, J.P. *et al*, *Synthesis*, 1984, 495 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7605.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 278.

Anagestone, INN **A-00375**

17-Hydroxy-6-methylpregn-4-en-20-one, 9CI

[2740-52-5]



$C_{22}H_{34}O_2$ M 330.509

Progestin. Cryst. ($MeOH/CH_2Cl_2$). Mp 190-193°. $[\alpha]_D^{20}$ +51° ($CHCl_3$).

17-O-Ac: [3137-73-3]. ***Anagestone acetate, USAN.*** *Anapregnone. Anatropin. ORF 1658.*

$C_{24}H_{36}O_3$ M 372.547

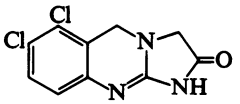
Progestin. Cryst. ($MeOH/CH_2Cl_2$). Mp 173-175°. $[\alpha]_D^{20}$ +24° ($CHCl_3$).

Belg. Pat., 624 370, (*1963*); *CA*, **60**, 10765 (*synth, pharmacol*)

Anagrelide, INN **A-00376**

6,7-Dichloro-3,5-dihydroimidazo[2,1-b]quinazolin-2(1H)-one, 9CI. BL 4162A

[68475-42-3]



$C_{10}H_7Cl_2N_3O$ M 256.091

Antithrombotic drug. Platelet aggregation inhibitor. Ivory cryst. + $\frac{1}{2}H_2O$. Mp >280°.

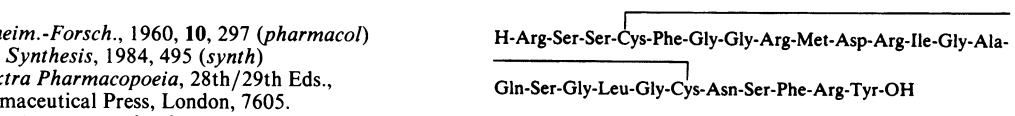
B,HCl: [58579-51-4]. *Anagrelide hydrochloride, USAN.* Cryst. + $1H_2O$.

Fleming, R.S. *et al*, *Thromb. Res.*, 1979, **15**, 373 (*pharmacol*)
U.S.P., 4 146 718, (*1979*); *CA*, **91**, 5248a (*synth, pharmacol*)
Ishikawa, F. *et al*, *J. Med. Chem.*, 1981, **24**, 376 (*synth, pharmacol*)
Yamaguchi, H. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 67 (*synth*)
Fleming, R.S. *et al*, *New Drugs Annu: Cardiovasc. Drugs*, 1983, **1**, 277 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12375.

Anaritide, BAN, INN **A-00377**

N-L-Arginyl-8-L-methionine-21a-L-phenylalanine-21b-L-arginine-21c-L-tyrosineatriopeptin-21(rat), 9CI

[95896-08-5]



$C_{112}H_{175}N_{39}O_{35}S_3$ M 2724.035

Antihypertensive, diuretic.

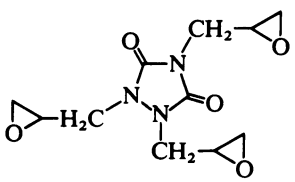
Acetate: [104595-79-1]. *Anaritide acetate, USAN.*

Chino, N. *et al*, *Pept. Chem.*, 1984, **22**, 241 (*props*)
Eur. Pat., 173 557, (*1986*); *CA*, **105**, 60954 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3930.

Anaxirone, INN **A-00378**

1,2,4-Tris(oxiranylmethyl)-1,2,4-triazolidine-3,5-dione, 9CI. Triglycidylurazol. NSC 332488

[77658-97-0]



$C_{11}H_{15}N_3O_5$ M 269.257

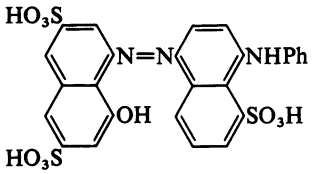
Antineoplastic agent. Mp 94-96°.

Ger. Pat., 2 935 354, (*1981*); *CA*, **95**, 25076 (*synth*)
Atassi, G. *et al*, *Cancer Treat. Rev.*, 1984, **11** (*Suppl. A*), 99 (*rev*)
Fischer, H. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 663 (*synth, pharmacol*)
Hilgard, P. *et al*, *Cancer Treat. Rev.*, 1984, **11**, 115 (*rev, pharmacol, tox*)
Welsh, J. *et al*, *Cancer Chemother. Pharmacol.*, 1984, **12**, 198 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18757.

Anazolene A-00379

4-Hydroxy-5-[[4-(phenylamino)-5-sulfo-1-naphthalenyl]azo]-2,7-naphthalenedisulfonic acid, 9CI

[7488-76-8]



$C_{26}H_{19}N_3O_{10}S_3$ M 629.630

Dye used for determination of blood volume and cardiac output.

Tri-Na salt: [3861-73-2]. *CI acid blue 92*, 8CI. *Anazolene sodium*, *INN*, *USAN*. *Coomassie blue. Fast wool blue* B. *Fast acid blue RH. CI 13390. Sodium anoxynaphonate*, *BAN*. Blue cryst.

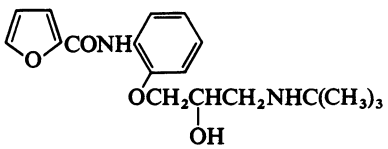
▷QJ6300000.

Ger. Pat., 108 546 (*synth*)
Anderson, N.M. *et al*, *J. Lab. Clin. Med.*, 1968, **72**, 705 (*detn*)
Hitzenberger, G., *CA*, 1973, **79**, 123196g (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2149.

Ancarolol, INN A-00380

N-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-2-furancarboxamide, 9CI. 2'-[3-(tert-Butylamino)-2-hydroxypropoxy]-2-furananilide

[75748-50-4]



$C_{18}H_{24}N_2O_4$ M 332.399

(±)-form

Antihypertensive agent; β-adrenergic blocker. Cryst. (EtOAc). Mp 112-113°.

B,HCl: Cryst. (EtOH). Mp 189-191°.

Ger. Pat., 2 923 817, (*1980*); *CA*, **93**, 239203a (*synth, pharmacol*)

Ancrod, USAN, INN A-00381

Venacil. Abbott 38414. Arvin. Arwin

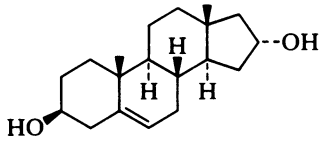
[9046-56-4]

Proteinase obtd. from venom of *Agkistrodon rhodostoma* (Malayan pit viper). Anticoagulant.

▷UK9575000.

Nolan, C. *et al*, *Methods Enzymol.*, 1976, **45**, 205 (*purifn, props*)
Turpie, A.G. *et al*, *Hum. Blood Coagulation, Haemostasis Thromb.* (*2nd Ed.*), 1976, 476 (*rev*)
Bell, W.R., *CRC Handb. Ser. Clin. Lab. Sci., Sect. 1*, 1980, **3**, 301 (*rev, props, pharmacol*)
Lowe, G.D., *Clin. Hemorheal.*, 1984, **4**, 15 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4804.

Androst-5-en-3,16-diol, 9CI A-00382



$C_{19}H_{30}O_2$ M 290.445

(3β,16α)-form [3642-89-5]

Cetadiol

Tranquilliser. Used in treatment of alcoholism. Slender needles (MeOH aq.). Mp 216-217°. $[\alpha]_D^{24.5}$ −67° (c, 0.8 in dioxan).

▷BV8090000.

Di-Ac:

$C_{23}H_{34}O_4$ M 374.519

Cryst. (MeOH). Mp 187-187.5°. $[\alpha]_D$ −88° (c, 1.07 in $CHCl_3$).

Dibenzoyl: Plates (EtOH). Mp 180-181°.

(3β,16β)-form [6038-32-0]

Cryst. (MeOH aq.). Mp 146-147°. $[\alpha]_D^{22}$ −61° (c, 1.1 in EtOH aq.).

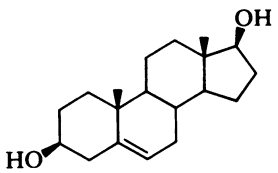
Di-Ac: Silky needles (MeOH aq.). Mp 125.5-126°. $[\alpha]_D^{23}$ −65° (c, 1.04 in $CHCl_3$).

Dibenzoyl: Silky needles (EtOH). Mp 197-198°.

Huffmann, M.N. *et al*, *J. Biol. Chem*, 1956, **222**, 447 (*synth*)

Androst-5-ene-3,17-diol, 9CI A-00383

Androstenediol



$C_{19}H_{30}O_2$ M 290.445

(3β,17β)-form [521-17-5]

Hermaphrodiol

Anabolic. Leaflets (Me_2CO/pet. ether or MeOH or EtOH). Mp 184°. $[\alpha]_D^{18}$ −55.5° (c, 0.4 in 2-propanol).

▷BV8091000.

3-Ac: [1639-43-6].

$C_{21}H_{32}O_3$ M 332.482

Cryst. (hexane). Mp 147-148°.

17-Ac: [5937-72-4].

$C_{21}H_{32}O_3$ M 332.482

Cryst. (hexane). Mp 146.5-148.5°. $[\alpha]_D^{18}$ −62.4° (EtOH).

Di-Ac: [2099-26-5].

$C_{23}H_{34}O_4$ M 374.519

Leaflets (hexane). Mp 165-166°. $[\alpha]_D^{18}$ −56.5° (EtOH).

Dipropanoyl: [2297-30-5]. ***Androstenediol dipropionate***. *Bisexovis. Bisexovister. Ginandrin. Stenandiol.*

$C_{25}H_{38}O_4$ M 402.573

Anabolic. Mp 115-116°.

▷BV8095000.

Butenandt, A. *et al*, *Ber.*, 1935, **68**, 1859 (*synth*)
Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1935, **18**, 1264 (*synth*)
U.S.P., 2 521 586, (*1950*); *CA*, **44**, 10741a (*synth*)
Fr. Pat., 1 369 008, (*1964*); *CA*, **61**, 16133e (*deriv*)
Ohrt, J.M. *et al*, *Acta Crystallogr.*, 1965, **19**, 479 (*cryst struct*)

Angiogenin A-00384

TAF

Peptide containing 123 amino acid residues. Promotes wound healing, antitumour agent.

Fett, J.W. *et al*, *Biochemistry*, 1985, **24**, 5480, 5486, 5494 (*isol*)
Palmer, K.A. *et al*, *Proc. Natl. Acad. Sci. USA*, 1986, **83**, 1965 (*struct*)
D'Amore, P.A. *et al*, *Annu. Rev. Physiol.*, 1987, **49**, 453 (*rev*)
Marx, J.L., *Science*, 1987, **237**, 23 (*rev*)
Folkman, J. *et al*, *Science*, 1987, **235**, 442 (*rev*)
Riordan, J.F. *et al*, *Br. J. Cancer*, 1988, **57**, 587 (*rev*)

Angiotensins A-00385

Hypertensin. Angiotonin

Angiotensin I: H-L-Asp-L-Arg-L-Val-L-Tyr-X-L-His-L-Pro-L-Phe-L-His-L-Leu-OH
Angiotensin II: H-L-Asp-L-Arg-L-Val-L-Tyr-X-L-His-L-Pro-L-Phe-OH

A group of peptide hormones formed by the action of renin, secreted from the kidney cortex, on a biologically inactive precursor, Angiotensinogen, contained in the α_2-globulin fraction of blood plasma. Angiotensin I (biologically inactive) is rapidly converted by Angiotensinase into Angiotensin II, which acts rapidly upon smooth muscle, causing hypertensive action and stimulates the release of aldosterone from the adrenal gland. Different spp. produce peptides differing of the fifth amino acid residue (valine or isoleucine); both forms show the same biological activity.

5-L-Isoleucineangiotensin I [484-42-4]
$C_{62}H_{89}N_{17}O_4$ M 1136.497

Peptide produced by the action of renin on human, horse or hog plasma globulin. Amorph. powder.

5-L-Valineangiotensin I [484-43-5]
Pepsitensin
$C_{61}H_{87}N_{17}O_{14}$ M 1282.464
Peptide produced by the action of renin or pepsin on ox plasma globulin. Amorph. powder + 1AcOH and 4 or $5H_2O$. Mp 289-290° (tetrahydrate), 220° dec. (pentahydrate). $[\alpha]_D^{22}$ −67.5° (c, 1.69 in H_2O).

[*Asp*^{1}]*Amide:* Amorph. powder + 1AcOH and $5H_2O$. Mp 220° dec. $[\alpha]_D$ −68° (c, 1.67 in H_2O).

5-L-Isoleucineangiotensin II [4474-91-3]
$C_{50}H_{71}N_{13}O_{12}$ M 1046.191

Powder + 1AcOH. Mp 230-247° dec. $[\alpha]_D^{20}$ −66.98° (c, 0.4 in 1N HCl).

[*Asp*^{1}]*Amide:* Powder. Mp 195-205° dec. $[\alpha]_D$ −44° (c, 0.558 in H_2O).

5-L-Valineangiotensin II [58-49-1]
$C_{49}H_{69}N_{13}O_{12}$ M 1032.164

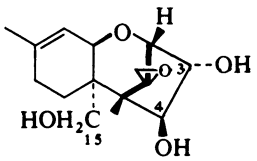
Powder + $1H_2O$ + 2AcOH. $[\alpha]_D$ −53.8° (c, 1 in H_2O).

[*Asp*^{1}]*Amide:* [53-73-6]. ***Angiotensinamide, BAN, INN.*** *Ipertensina. Hypertensin-CIBA. NSC 107678.*
$C_{49}H_{70}N_{14}O_{11}$ M 1031.179
Deriv. preferred for pharmacological and clinical investigations, showing identical activity to the parent Angiotensin. Vasoconstrictor and hypertensive agent. Powder + 1AcOH. $[\alpha]_D$ −58.0° (c, 1 in H_2O).

Bodanszky, M. *et al*, *Peptide Synthesis*, 1966, Wiley, N.Y., 215 (*rev*)
Schröder, E. *et al*, *The Peptides*, 1966, Academic Press, N.Y., **2**, 4 (*rev*)
Arakawa, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 433 (*synth*)
Thampi, N.S. *et al*, *Life Sci. (Oxford)*, 1968, **7**, 641 (*synth*)
Robert, G. *et al*, *Nature (London)*, 1969, **222**, 177 (*synth*)
Peart, W.S., *Methods Invest. Diagn. Endocrinol.*, 1973, **2B**, 1145 (*rev*)
Wade, R., *MTP Int. Rev. Sci.: Org. Chem., Ser. One*, 1973, **6**, 161 (*rev*)
Douglas, W.W., *Pharmacol. Basis Ther. 5th Ed.*, 1975, 630 (*rev*)
Lee, M.R., *Br. J. Clin. Pharmacol.*, 1981, **12**, 605 (*rev*)
Marin-Grez, M., *Biochem. Pharmacol*, 1982, **31**, 3941 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2044.

Anguidol A-00386

12,13-Epoxy-9-trichothecene-3,4,15-triol, 9CI. 3,4,15-Scirpenetriol
[2270-41-9]



$C_{15}H_{22}O_5$ M 282.336
Constit. of *Fusarium roseum, F. equiseti* and *F. sporotrichiella*. Mycotoxin. Cryst. (AcOH). Mp 189-191°. $[\alpha]_D^{24}$ −10° (c, 0.76 in $CHCl_3$).

4-Ac:
$C_{17}H_{24}O_6$ M 324.373
From *F. roseum* and *F. sulphureum*. Oil. $[\alpha]_D$ +10.3° (c, 1 in Me_2CO).

15-Ac: [2623-22-5]. ***Monoacetoxyscirpenol.***
$C_{17}H_{24}O_6$ M 324.373
Isol. from *Fusarium roseum* and *F. sulphureum*. Cryst. (EtOAc/2,2,4-trimethylpentane). Mp 172-173°.

15-Ac, 4-(α-D-glucopyranosyl):
$C_{23}H_{34}O_{11}$ M 486.515
From *F. sulphureum*. Pale-yellow gum. $[\alpha]_D^{20}$ +79.5° (c, 0.585 in MeOH). Less toxic than other trichothecenes.

4,15-Di-Ac: [2270-40-8]. ***Diacetoxyscirpenol.*** *Anguidin. ANG 66. NSC 141537.*
$C_{19}H_{26}O_7$ M 366.410
Constit. of *F.* spp. Insecticide, fungicide, antiviral and cytostatic. Cryst. (EtOAc). Mp 161-162°. $[\alpha]_D^{19}$ +20° (c, 1 in Me_2CO).
▷YD0112000.

4,15-Di-Ac, 8α-(3-methylbutyryloxy): [20181-53-7].
$C_{20}H_{30}O_6$ M 366.453
Toxin from *F.* spp. Needles (C_6H_6/pet. ether). Mp 151-152°. $[\alpha]_D^{26}$ +15° (c, 2.58 in EtOH).

3,4,15-Tri-Ac: Cryst. (EtOH). Mp 124-125°. $[\alpha]_D^{23}$ +44° (c, 1 in Me_2CO).

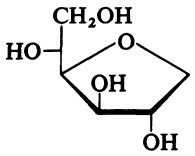
Sigg, H.P. *et al*, *Helv. Chim. Acta*, 1965, **48**, 962 (*struct*)
Tidd, B.K., *J. Chem. Soc. (C)*, 1967, 218 (*pmr*)
Bamburg, J.R. *et al*, *Tetrahedron*, 1968, **24**, 3329 (*deriv*)
Cole, M. *et al*, *Appl. Microbiol.*, 1972, **24**, 660 (*use*)
Ripperger, H. *et al*, *Phytochemistry*, 1975, **14**, 2298 (*isol*)
Ellison, R.A. *et al*, *J. Org. Chem.*, 1976, **41**, 576 (*cmr*)
Pathre, S.V. *et al*, *J. Agric. Food Chem.*, 1976, **24**, 97 (*isol*)
Hartmann, G.R. *et al*, *Planta Med.*, 1978, **34**, 231 (*rev, Anguidin*)
Steyn, P.S. *et al*, *Phytochemistry*, 1978, **17**, 949 (*isol*)
Brumley, W.C. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 451 (*ms*)
Kaneko, T. *et al*, *J. Med. Chem.*, 1982, **25**, 579 (*derivs*)
Pohland, A.E. *et al*, *Pure Appl. Chem.*, 1982, **54**, 2220 (*uv, ir, pmr, ms, cd*)

Brooks, D.W. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 4472 (*synth, deriv*)
Gorst-Allman, C.P. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, 1553 (*deriv*)
Roush, W.R. *et al*, *J. Org. Chem.*, 1985, **50**, 3224 (*deriv*)
Anderson, D.W. *et al*, *Tetrahedron Lett.*, 1987, **28**, 2661 (*Anguidin*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 160, 168, 171.

1,4-Anhydroglucitol, 9CI, 8CI A-00387

1,4-Anhydrosorbitol. Arlitan. Sorbitan

[27299-12-3]



$C_6H_{12}O_5$ M 164.158

D-form

Mp 115-116°. $[\alpha]_D^{27}$ −21.9° (c, 2.5 in H_2O).

5,6-O-Isopropylidene, 2-mesyl: [55730-74-0]. Mp 112°.

5,6-O-Isopropylidene, 2,3-dimesyl: [55730-75-1]. Mp 163-163.5°.

Tetra-Me:

$C_{10}H_{20}O_{13}$ M 348.260

Bp_{14} 170-174°. $[\alpha]_D^{22}$ −43° (c, 4.84 in EtOH).

Monododecanoyl ester: [1338-39-2]. *Sorbitan monolaurate, BAN. Sorbitan laurate, INN. Sorbester P12. Span 20.*

$C_{18}H_{34}O_6$ M 346.463

Nonionic surface active agent.

▷WG2920000.

Mono(9-octadecenoyl) ester: [1338-43-8]. *Sorbitan monooleate, BAN. Sorbitan oleate, INN. Sorbester P17. Span 80.*

$C_{24}H_{44}O_6$ M 428.608

Nonionic surface active agent.

▷WG2932400.

Monohexadecanoyl ester: [26266-57-9]. *Sorbitan monopalmitate, BAN. Sorbitan palmitate, INN. Sorbester P16. Span 40.*

$C_{22}H_{36}O_6$ M 396.523

Nonionic surface active agent.

Monooctadecanoyl ester: [1338-41-6]. *Sorbitan monostearate, BAN. Sorbitan stearate, INN. Sorbester P18. Span 60.*

$C_{24}H_{46}O_6$ M 430.624

Nonionic surface active agent.

▷WG2933500.

Tri(9-octadecenoyl) ester: [5960-06-5]. *Sorbitan trioleate, BAN. Sorbester P37. Span 85.*

$C_{60}H_{108}O_8$ M 957.508

Nonionic surface active agent.

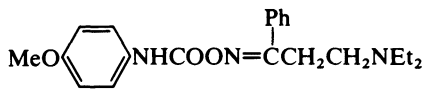
Trioctadecanoyl ester: [26658-19-5]. *Sorbitan tristearate, BAN. Sorbester P38. Span 65.* Nonionic surface active agent.

Soltzberg, S. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 919.
Hanessian, S. *et al*, *Tetrahedron Lett.*, 1974, 3983.
Que, L. Jr. *et al*, *Biochemistry*, 1974, **13**, 146 (*cmr*)

Anidoxime, BAN, USAN, INN A-00388

3-(Diethylamino)-1-phenyl-1-propanone O-[[(4-methoxyphenyl)amino]carbonyl]oxime, 9CI. Bamoxine. BRL 11870. E 142. USV-E 142

[34297-34-2]



$C_{21}H_{27}N_3O_3$ M 369.463

Analgesic.

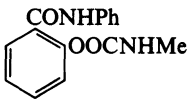
B,HCl: [23654-53-7]. Cryst. (MeOH/Et_2O). Mp 153-156° dec.

Ger. Pat., 1 805 716, (*1969*); *CA*, **71**, 80916 (*synth, pharmacol*)
Watzman, N. *et al*, *J. Pharm. Sci.*, 1980, **69**, 225 (*pharmacol*)
Gollamudi, R. *et al*, *J. Appl. Toxicol.*, 1982, **2**, 21 (*metab*)
Occelli, E. *et al*, *Farmaco, Ed. Sci.*, 1985, **40**, 86 (*synth, pharmacol*)

Anilamate, INN A-00389

2-[[(Methylamino)carbonyl]oxy]-N-phenylbenzamide, 9CI. Phenyl N-methyl-N-(o-carbamoylphenyl)-carbamate. Salicylanilide N-methylcarbamate

[5591-49-1]



$C_{15}H_{14}N_2O_3$ M 270.287

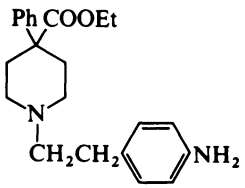
Antiinflammatory agent. Mp 160-161° (146-148°).

U.S.P., 3 091 633, (*1963*); *CA*, **59**, 11358f (*synth, props*)
Hsi, R.S.P. *et al*, *J. Org. Chem.*, 1972, **37**, 3427 (*synth*)
Hegarty, A.F. *et al*, *J. Org. Chem.*, 1974, **39**, 1089 (*synth*)

Anileridine, BAN, INN, USAN A-00390

1-[2-(4-Aminophenyl)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, 9CI. Ethyl 1,4'-aminophenethyl-4-phenylisonipecotate, 8CI. Alidine. Apodol. Lerinol. Leritine. Nipecotan. MK 89

[144-14-9]



$C_{22}H_{28}N_2O_2$ M 352.475

Narcotic analgesic. Mp 83°. pK_{a1} 3.7, pK_{a2} 7.5.

▷Addictive

B,2HCl: [126-12-5]. *Anileridine hydrochloride, USAN.* Cryst. (MeOH). Mp 280-287° dec.

▷NS5250000.

N-*Ac; B,HCl:*

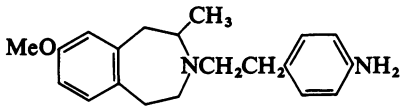
$C_{24}H_{30}N_2O_3$ M 394.513

Mp 264-265°.

Weijlard, J. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 2342 (*synth*)
Orahovats, P.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1957, **119**, 26 (*pharmacol*)
Cassiano, O. *et al*, *Minerva Med.*, 1959, 1009 (*props*)
Portoghese, P.S. *et al*, *J. Med. Chem.*, 1971, **14**, 144 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6204, 6205, 6206.

Anilopam, INN **A-00391**

4-[2-(1,2,4,5-Tetrahydro-8-methoxy-2-methyl-3H-3-benzazepin-3-yl)ethyl]benzenamine, 9CI. *PR 786-723*



$C_{20}H_{26}N_2O$ M 310.438

(−)-*form* [53716-46-4]

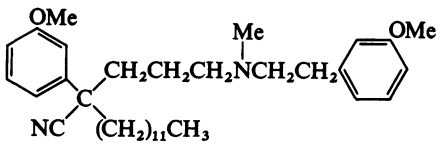
Analgesic, narcotic.

B,2HCl: [53716-45-3]. *Anilopam hydrochloride,* USAN.

Swain, H.H. *et al, Probl. Drug Depend.*, 1975, 773 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5825.

Anipamil, INN **A-00392**

α-Dodecyl-3-methoxy-α-[3-[[2-(3-methoxyphenyl)-ethyl]methylamino]propyl]benzeneacetonitrile, 9CI. *2-[3-[(m-Methoxyphenethyl)methylamino]propyl]-2-(m-methoxyphenyl)tetradecanenitrile*



$C_{34}H_{52}N_2O_2$ M 520.797

(±)-*form* [83200-10-6]

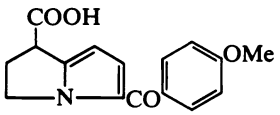
Antihypertensive agent, calcium antagonist.

B,HCl: Mp 60-69.5°.

Eur. Pat., 64 158, (*1982*); *CA*, **98**, 160449e (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3328.

Anirolac, USAN, INN **A-00393**

2,3-Dihydro-5-(4-methoxybenzoyl)-1H-pyrrolizine-1-carboxylic acid, 9CI



$C_{16}H_{15}NO_4$ M 285.299

(±)-*form* [66635-85-6]

RS 37326

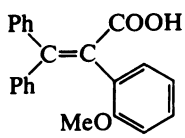
Antiinflammatory, analgesic. Cryst. ($MeOH/CH_2Cl_2/Et_2O$). Mp 187-187.5°.

Ger. Pat., 2 731 678, (*1978*); *CA*, **89**, 6215h (*synth*)
Muchowski, J.M. *et al, J. Med. Chem.*, 1985, **28**, 1037 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2549.

Anisacril, INN **A-00394**

α-(Diphenylmethylene)-2-methoxybenzeneacetic acid, 9CI. *2-(o-Methoxyphenyl)-3,3-diphenyl acrylic acid. SCF 16046*

[5129-14-6]



$C_{22}H_{18}O_3$ M 330.382

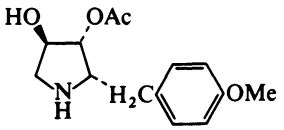
Anorexic, antihypercholesterolaemic agent. Cryst. (C_6H_6). Mp 195-195°.

Fr. Pat., 1 442 295, (*1966*); *CA*, **66**, 37652c (*synth*)

Anisomycin **A-00395**

2-(4-Methoxyphenylmethyl)-3,4-pyrrolidinediol 3-acetate, 9CI. *Flagecidin. PA 106*

[22862-76-6]



Absolute configuration

$C_{14}H_{19}NO_4$ M 265.308

▷BZ9800000.

(−)-*form*

Isol. from *Streptomyces griseolus* ATCC 11796. Antibiotic and antifungal agent. Long needles (EtOAc, H_2O or toluene). Mp 141.6-142.2°. $[\alpha]_D^{23}$ −30° (c, 1 in MeOH). pK_a 7.9.

B,HCl: Cryst. (EtOAc/EtOH). Mp 187-188°.

(±)-*form*

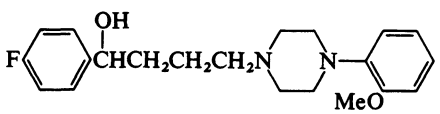
Cryst. (EtOAc). Mp 126-127°.

Sobin, B.A. *et al, J. Am. Chem. Soc.*, 1954, **76**, 4053 (*isol*)
Butler, K., *J. Org. Chem.*, 1968, **33**, 2136 (*struct, pmr, conformn*)
Schaefer, J.P. *et al, J. Org. Chem.*, 1968, **33**, 166 (*cryst struct*)
Oida, S. *et al, Chem. Pharm. Bull.*, 1969, **17**, 1405.
Wong, C.M. *et al, Can. J. Chem.*, 1969, **47**, 2421 (*synth, ir*)
Felner, I. *et al, Helv. Chim. Acta*, 1970, **53**, 754 (*synth, ir, ms*)
Verheyden, J.P. *et al, Pure Appl. Chem.*, 1978, **50**, 1363 (*rev*)
Jimenez, A. *et al, Antibiotics (N.Y.)*, 1979, **5**, 1 (*rev*)
Schumacher, D.P. *et al, J. Am. Chem. Soc.*, 1982, **104**, 6076 (*synth*)
Buchanan, J.G. *et al, J. Chem. Soc., Chem. Commun.*, 1983, 486 (*synth*)
Shono, T. *et al, Chem. Lett.*, 1987, 697 (*synth, bibl*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 286.

Anisopirol, INN **A-00396**

α-(4-Fluorophenyl-4-(2-methoxyphenyl)-1-piperazine-butanol, 8CI, 9CI. *Haloisol. R 2159*

[442-03-5]



$C_{21}H_{27}FN_2O_2$ M 358.455

(±)-*form*

Neuroleptic agent. Mp 105-106°.

U.S.P., 2 997 474, (*1959*); *CA*, **56**, 11604c (*synth*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)

Anistreplase, BAN, INN **A-00397**

Anisoylated lys-plasminogen streptokinase activator complex (1:1). Eminase. APSAC. BRL 26921

[81669-57-0]

Fibrinolytic enzyme used to treat myocardial infarction.

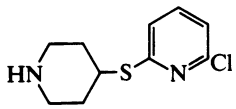
Matsuo, O. *et al, Thromb. Res.*, 1981, **24**, 347 (*props*)
Smith, R.A.G. *et al, Nature (London)*, 1981, **290**, 505 (*prep*)
Hopkins, S.J., *Drugs Future*, 1982, **7**, 789 (*rev*)
Fears, R. *et al, Thromb. Res.*, 1985, **38**, 251 (*pharmacol*)

Monk, J.P. *et al*, *Drugs*, 1987, **34**, 25 (*rev*)
Sherry, S. *et al*, *Drugs*, 1987, **33** (*Suppl. 3*), 1 (*rev, numerous papers*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16996.

Anpirtoline, INN **A-00398**

2-Chloro-6-(4-piperidinylthio)pyridine, 9CI

[98330-05-3]

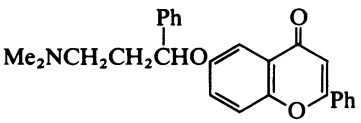


$C_{10}H_{13}ClN_2S$ M 228.739
Analgesic.
B,HCl: Cryst. Mp 132-133°.
Eur. Pat., 149 088, (*1985*); *CA*, **103**, 215189 (*synth, pharmacol*)

Ansoxetine, INN **A-00399**

6-[3-(Dimethylamino)-1-phenylpropoxy]-2-phenyl-4H-1-benzopyran-4-one, 9CI

[79130-64-6]

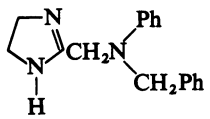


$C_{26}H_{25}NO_3$ M 399.488
(±)-form
Antidepressant.
Ger. Pat., 2 950 135, (*1981*); *CA*, **95**, 150452 (*synth*)

Antazoline, BAN, INN **A-00400**

4,5-Dihydro-N-phenyl-N-(phenylmethyl)-1H-imidazole-2-methanamine, 9CI. 2-[(N-Benzylanilino)methyl]-2-imidazoline, 8CI. Imidazolamine. Phenazoline. Numerous tradenames

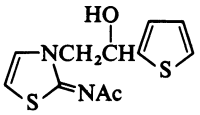
[91-75-8]



$C_{17}H_{19}N_3$ M 265.357
Antihistamine. Mp 121-122°.
▷NJ2000000.
B,HCl: [2508-72-7]. *Antistin.* Insol. Et_2O, C_6H_6, $CHCl_3$. Mp 237-241°. Bitter tasting.
▷NJ2150000.
B,H_3PO_4: [154-68-7]. *Antazoline phosphate, USAN.* Insol. C_6H_6, Et_2O. Mp 194-198°. Bitter tasting. Component of Nasocon.
▷NJ2275000.
Urech, E. *et al*, *Helv. Chim. Acta*, 1950, **33**, 1386 (*synth*)
Pellerin, F. *et al*, *Ann. Pharm. Fr.*, 1971, **29**, 421 (*props, uv*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 614 (*uv*)
Bartolasi, V. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2522 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4388 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6104, 6105, 6106.

Antazonite, INN **A-00401**

N-[3-(2-Hydroxy-2-(2-thienyl)ethyl]-2(3H)-thiazolylidene]acetamide, 9CI. Thiazothienol. R 6438



$C_{11}H_{12}N_2O_2S_2$ M 268.348
(±)-form [25422-75-7]
Anthelmintic agent. Mp 132.5-133°.
Allewijn, F.T.N. *et al*, *J. Pharm. Sci.*, 1966, **55**, 1028 (*metab*)
Paul, W.A.S., *Bull. Soc. Chim. Belg.*, 1966, **75**, 29 (*ir*)
Raeymaekers, A.H.M. *et al*, *J. Med. Chem.*, 1966, **9**, 545 (*synth, pharmacol*)

Antergan **A-00402**

N-Benzyl-N′,N′-dimethyl-N-phenylethylenediamine. Phenbenzamine. Bridal. Lergitin. RP 2339

[961-71-7]

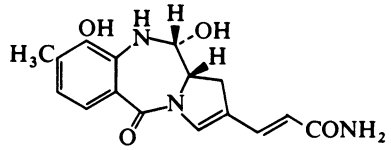
$Me_2NCH_2CH_2N(Ph)CH_2Ph$

$C_{17}H_{22}N_2$ M 254.374
Antihistamine. Pale-yellow oil. Bp_7 179-180°. n^{25}_D 1.579.
▷KV1915000.
B,HCl: [2045-52-5]. Mp 203-204° (210-211°).
▷KV1925000.
Picrate: Cryst. (2-propanol). Mp 149-150°.
Kaye, I.A. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 744 (*synth*)
U.S.P., 2 634 293, (*1953*); *CA*, **48**, 2097f (*synth*)

Anthramycin, USAN **A-00403**

5,10,11,11a-Tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-1H-pyrrolo[2,1-c] [1,4]benzodiazepine-2-acrylamide, 8CI. ***Antramycin, INN****. Refuin. Ro 5-9000*

[4803-27-4]



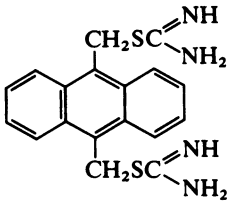
Absolute configuration

$C_{16}H_{17}N_3O_4$ M 315.328
Isol. from *Streptomyces refuineus* var. *thermotolerans* and *S. spadicogriseus*. Antibiotic with antitumour acitivity. DNA complexing agent. Small yellow prisms (Me_2CO aq.). Mp 188-194°. $[\alpha]^{25}_D$ +930° (c, 1 in DMF). Cryst. from hot MeOH aq. gives the Me ether. Epimerises in soln.
▷UY8429000.
Me ether: Pale-yellow needles (H_2O). Mp >120° dec. $[\alpha]^{25}_D$ +1002° (c, 1 in DMF).
Leimgruber, W. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 5791 (*isol, ir, uv, struct*)
Leimgruber, W. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 5641 (*synth, ir, uv, ms, nmr*)
Horwitz, S.B., *Handb. Exp. Pharmakol.*, 1975, **38**, 642 (*rev, pharmacol*)
Kohn, K.W., *Antibiotics (N.Y.)*, 1975, **3**, 3 (*rev*)
Hurley, L.H., *J. Antibiot.*, 1977, **30**, 349 (*rev, biosynth*)
Mostad, A. *et al*, *Acta Chem. Scand., Ser. B*, 1978, **32**, 639 (*cryst struct*)
Komatsu, N. *et al*, *J. Antibiot.*, 1980, **33**, 54 (*isol*)
Hurley, L.H., *Antibiotics (N.Y.)*, 1981, **4**, 262 (*rev*)
Ishikura, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1982, 741 (*synth*)

2,2'-(9,10-Anthrylenedimethylene)-bis(isothiourea) A-00404

Carbamimidothioic acid 9,10-anthracenediylbis(methylene)ester, 9CI. 2,2'-(9,10-Anthrylenedimethylene)bis[2-thiopseudourea], 8CI. NSC 56054

[2962-75-6]



$C_{18}H_{18}N_4S_2$ M 354.487

Pesticide. Antileukaemic agent. Mp 238°.

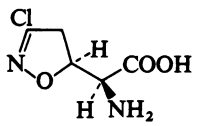
B,HCl: [22993-25-5]. Cryst. + $2H_2O$. Mp 227°.

El-Hewehi, Z. *et al, J. Prakt. Chem.*, 1959, **7**, 286 (*synth, props*)
U.S.P., 3 190 795, (*1965*); *CA*, **63**, 11463 (*synth, props*)
Carter, S.K., *Cancer Chemother. Rep. Suppl.*, 1968, **1**, 153 (*rev, pharmacol*)
Pittillo, R.F. *et al, Appl. Microbiol.*, 1969, **18**, 519 (*props*)
Saunders, P.P. *et al, Mol. Pharmacol.*, 1970, **6**, 335 (*props*)

Antibiotic AT 125 A-00405

α-Amino-3-chloro-4,5-dihydro-5-isoxazoleacetic acid, 9CI. ***Acivicin, USAN, INN.*** *AT 125. NSC 163501.* U *42126. Antibiotic U 42126*

[52583-41-2]



$C_5H_7ClN_2O_3$ M 178.575

Amino acid antibiotic.

(αS,5S)-form [42228-92-2]

Prod. by *Streptomyces sviceus*. Antitumour agent. Cryst. (MeOH aq.). Mp 228-230°. $[\alpha]_{378}^{20}$+135° (c, 0.159 in H_2O). Related to Ibotenic acid.

4S-Hydroxy: [54549-02-9]. ***Antibiotic U 43795.*** *U 43795.*

$C_5H_7ClN_2O_4$ M 194.574

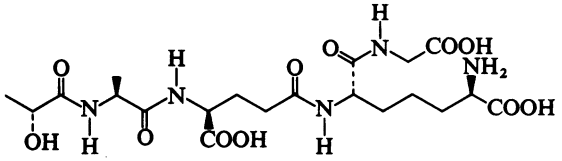
From *S. sviceus*. Antitumour, antimetabolite.

Hanka, L.J. *et al, Antimicrob. Agents Chemother.*, 1973, **3**, 425; 1975, **7**, 807 (*isol, props*)
Martin, D.G. *et al, Tetrahedron Lett.*, 1973, 2549 (*isol, abs config*)
Martin, D.G. *et al, J. Antibiot.*, 1975, **28**, 91 (*deriv*)
Kelly, R.C. *et al, J. Am. Chem. Soc.*, 1979, **101**, 1054 (*synth*)
Silverman, R.B. *et al, J. Am. Chem. Soc.*, 1981, **103**, 7357 (*synth*)
O'Dwyer, P.J. *et al, J. Clin. Oncol.*, 1984, **2**, 1064 (*rev, pharmacol*)
Baldwin, J.E. *et al, Tetrahedron*, 1985, **41**, 5241 (*synth, bibl*)
Earhart, W.D., *Adv. Enzymol. Regul.*, 1985, **24**, 179 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12317.

Antibiotic FK 156 A-00406

(R)-N-(*2-Hydroxy-1-oxopropyl*)-*L*-*alanyl*-*D*-γ-*glutamyl*-*L*-erythro-α,ε-*diaminopimelylglycine, 9CI. Gludapcin. FK 156*

[76490-22-7]



$C_{20}H_{33}N_5O_{11}$ M 519.508

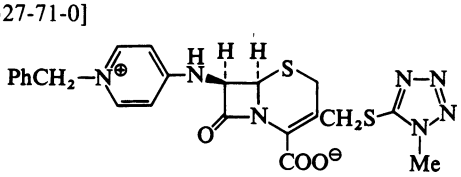
Peptide antibiotic. Isol. from *Streptomyces olivaceogriseus* and *S. violaceus*. Shows immunostimulatory activity; prolongs life of rats with tumours and protects against *E. coli*. Powder. Mp 143-148° dec. $[\alpha]_D^{25}$ −30° (c, 0.5 in H_2O). pK_{a1} 4.3, pK_{a2} 5.8, pK_{a3} 6.3, pK_{a4} 10.9 (67% DMSO).

Gotoh, T. *et al, J. Antibiot.*, 1982, **35**, 1286 (*isol*)
Hemmi, K. *et al, J. Antibiot.*, 1982, **35**, 1300 (*synth*)
Kawai, Y. *et al, J. Antibiot.*, 1982, **35**, 1293 (*struct*)
Takeno, H. *et al, Chem. Pharm. Bull.*, 1984, **32**, 2925, 2932 (*synth, pharmacol*)

Antibiotic L 640876 A-00407

L 640876

[77527-71-0]



$C_{22}H_{21}N_7O_3S_2$ M 495.573

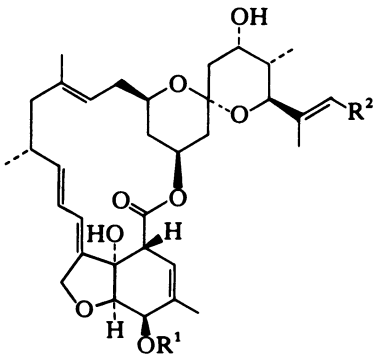
Semisynthetic cephalosporin. V. active against gram-negative and -positive bacteria. Pale-brown microneedles (Me_2CO). Mp 162-164°. λ_{max} 282 nm.

Hannah, J. *et al, J. Med. Chem.*, 1982, **25**, 457 (*synth, nmr*)
Kaupal, L.R. *et al, J. Antibiot.*, 1983, **36**, 47, 54, 64, 70 (*pharmacol*)

Antibiotic LL-F28249α A-00408

Nemadectin, INN. *LL-F28249α*

[102130-84-7]



$R^1 = H, R^2 = -CH(CH_3)_2$

$C_{36}H_{52}O_8$ M 612.802

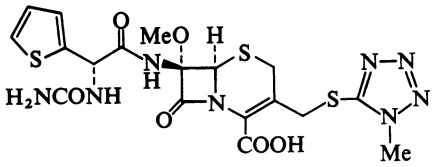
Macrolide antibiotic. Isol. from *Streptomyces cyaneogriseus* ssp. *noncyanogenus* and *S. thermoarchaensis*. Shows potent activity against endo- and ecto-parasites of cattle, sheep, swine, dogs and horses. $[\alpha]_D^{26}$ +133° (c, 0.3 in Me_2CO). Related to Avermectin and Milbemycins.

Carter, G.T. *et al*, *J. Chem. Soc., Chem. Commun.*, 1987, 402 (*isol, struct*)

Antibiotic SQ 14359 A-00409

SQ 14359

[65700-47-2]



$C_{18}H_{20}N_8O_6S_3$ M 540.586

Semisynth. cephalosporin. Clinically used antibiotic showing broad-spectrum activity. Cryst. ($MeOH/CH_2Cl_2$). Mp 204-205° dec.

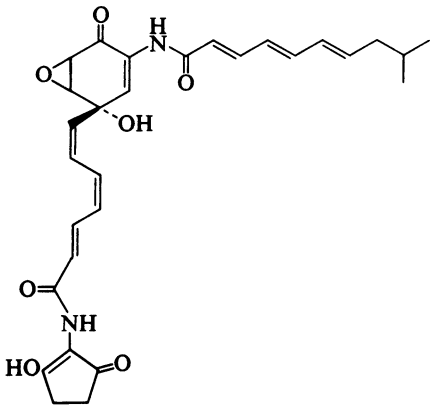
Na salt: Powder + H_2O. Mp 163° dec.

Applegate, H.E. *et al*, *J. Antibiot.*, 1978, **31**, 561 (*synth*)
Gadebusch, H.H. *et al*, *J. Antibiot.*, 1978, **31**, 1046 (*props*)

Antibiotic U 56407 A-00410

U 56407

[87695-80-5]



$C_{29}H_{32}N_2O_7$ M 520.581

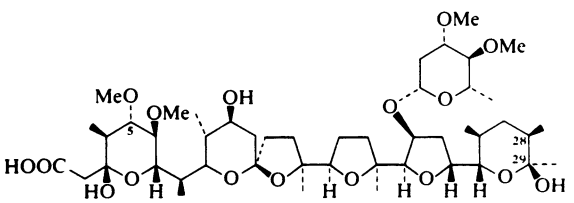
Polyene antibiotic. Isol. from *Streptomyces hagronensis*. Active against gram-positive bacteria. Yellow plates. Mp 150° dec. $[\alpha]_D^{25}$ +263° (c, 1 in $CHCl_3$). Similar to Asukamycin.

Brodasky, T.F. *et al*, *J. Antibiot.*, 1983, **36**, 950 (*isol, uv, ir, pmr, cmr*)

Antibiotic X 14868A A-00411

Maduramicin, INN, USAN. *Maduramicin α. X 14868A*

[79356-08-4]



$C_{47}H_{80}O_{17}$ M 917.139

Polyether antibiotic. Prod. by *Actinomadura yumaensis* and *Nocardia* sp. X-14868. Shows anticoccicidal props., ionophoric, active against *Treponema hyodysenteriae*.

Na salt: Cryst. (EtOAc/hexane). Mp 193-194°. $[\alpha]_D^{25}$ +40.6° (c, 1 in $CHCl_3$).

Tl salt: Cryst. (Et_2O/hexane). Mp 193-195°. $[\alpha]_D^{25}$ +41.4° (c, 1 in MeOH).

28-Epimer: [79331-54-7]. ***Antibiotic X 14868D.*** *X 14868D.*

$C_{47}H_{80}O_{17}$ M 917.139

Prod. by *N.* sp. X-14868. Shows anticoccicidal and ionophoric props.

28-Epimer, Na salt: Cryst. Mp 194-195°. $[\alpha]_D^{25}$ +41.4° (c, 1 in $CHCl_3$).

O^{29}*-Me:* [79296-11-0]. ***Antibiotic X 14868B.*** *X 14868B.*

$C_{48}H_{82}O_{17}$ M 931.166

Isol. from *N.* sp. X-14868. Shows anticoccicidal and ionophoric props.

O^{29}*-Me, Na salt:* Cryst. (hexane). Mp 172.5-174°. $[\alpha]_D^{25}$ +46.1° (c, 1 in $CHCl_3$).

O^5*-De-Me:* [79331-53-6]. ***Antibiotic X 14868C.*** *Maduramicin β. LL-C23024B. X 14868C. Antibiotic LL-C23024B.*

$C_{46}H_{78}O_{17}$ M 903.112

Prod. by *A. yumaensis* and *N.* sp. X-14868. Shows anticoccicidal and ionophoric props.

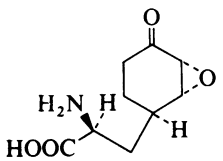
O^5*-De-Me, Na salt:* Cryst. Mp 172-175°. $[\alpha]_D^{25}$ +49.6° (c, 1 in $CHCl_3$).

Liu, C.-M. *et al*, *J. Antibiot.*, 1983, **36**, 343 (*isol, struct, props*)
Rajan, S. *et al*, *J. Antibiot.*, 1984, **37**, 1495, 1651 (*struct, pmr, biosynth*)
Ellestad, G.A. *et al*, *J. Antibiot.*, 1986, **39**, 447 (*salts, cmr*)
Siegel, M.M. *et al*, *Biomed. Environ. Mass Spectrom.*, 1987, **14**, 29 (*ms*)

Anticapsin A-00412

α-Amino-5-oxo-7-oxabicyclo[4.1.0]heptane-2-propanoic acid, 9CI

[28978-07-6]



Absolute configuration

$C_9H_{13}NO_4$ M 199.206

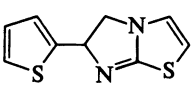
Metab. of *Streptomyces griseoplanus*. Antibiotic with activity against some gram-positive organisms. Mp 150° dec. $[\alpha]_D^{25}$ +125° (c, 1 in H_2O). Probably derived from Tyrosine.

Neuss, N. *et al*, *Biochem. J.*, 1970, **118**, 571 (*struct*)
Shah, R. *et al*, *J. Antibiot.*, 1970, **23**, 613 (*isol, ir, uv, nmr*)
Rickards, R.W. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 849 (*synth*)
Laguzza, B.C. *et al*, *Tetrahedron Lett.*, 1981, **22**, 1483 (*synth*)

Antienite, INN A-00413

5,6-Dihydro-6-(2-thienyl)imidazo[2,1-b]thiazole, 8CI. Thiazothielite. R 8141. R 8025

[5029-05-0]



$C_9H_8N_2S_2$ M 208.296

(±)-form

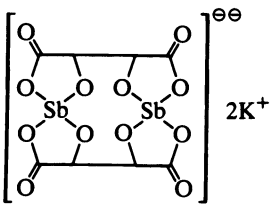
Anthelmintic agent.

B,HCl: Mp 159-160.5°.
B,HBr: Mp 163-164°.
Phosphate: Mp 184-185°.

Maleate: Mp 109.2-110.8°.
Malonate: Mp 95.6-97.4°.

Netherlands Pat., 6 505 806, (*1965*); *CA*, **64**, 11214g (*synth*)
Alfons, H.M. *et al*, *J. Med. Chem.*, 1966, **9**, 545 (*synth, pharmacol*)
Fernand, T. *et al*, *J. Pharm. Sci.*, 1966, **55**, 1028 (*metab*)

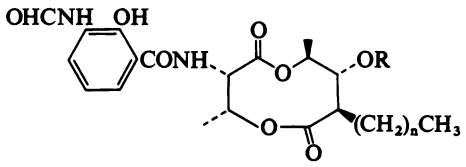
Antimony potassium tartrate, USAN **A-00414**
Dipotassium bis[μ-[tartrato(4−)]]diantimonate(2−). Tartar emetic
[28300-74-5]



$C_8H_4K_2O_{12}Sb_2$ M 613.809
Antischistosomal, emetic, expectorant. $[\alpha]_D^{20}$ +140.69° (c, 2 in H_2O).
▷CC6825000.

Rosario, S., *Boll. Soc. Ital. Biol. Sper.*, 1928, **3**, 287; *CA*, **22**, 3231 (*pharmacol*)
Volmar, Y. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1938, **206**, 1904 (*synth*)
U.S.P., 2 391 297, (*1945*); *CA*, **40**, 1284 (*synth*)
Ercoli, N., *Proc. Soc. Exp. Biol. Med.*, 1968, **129**, 284 (*metab*)
Gress, M.E. *et al*, *Inorg. Chim. Acta*, 1974, **8**, 209 (*cryst struct*)
Salem, F.S. *et al*, *J. Drug Res.*, 1980, **12**, 43 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 756.

Antimycin *A* **A-00415**
Antipiriculin. Levoristatin. Virosin. Antibiotic 720A



Antimycin A_1 R = $COCH_2CH(CH_3)_2$, n = 5
A_2 R = $COCH_2CH_2CH_3$, n = 5
A_3 R = $COCH_2CH(CH_3)_2$, n = 3
A_4 R = $COCH_2CH_2CH_3$, n = 3
A_5 R = $COCH_2CH(CH_3)_2$, n = 1
A_6 R = $COCH_2CH_2CH_3$, n = 1
Antibiotic 1-2743C R = $COCH_3$, n = 3

Macrolide antibiotic complex. Isol. from a *Streptomyces* sp., NRRL 2288. Antifungal agent.
▷Toxic to mammals and insects. NY1503500.

Antimycin A_1 [642-15-9]
$C_{28}H_{40}N_2O_9$ M 548.632

Antifungal and antiviral agent. Cryst. (MeOH or MeOH aq.). Mp 149-150°. $[\alpha]_D^{26}$ +76° (c, 1 in $CHCl_3$). Weakly acidic.
▷NY1503500.

Antimycin A_2 [27220-57-1]
$C_{27}H_{38}N_2O_9$ M 534.605

From *S.* spp. Antifungal agent.

Antimycin A_3 [522-70-3]
Blastmycin
$C_{26}H_{36}N_2O_9$ M 520.578
From *S. blastmyceticus*. Antifungal, antiviral and antitumour agent. Needles (C_6H_6/pet. ether). Mp 174.5-175.0°. $[\alpha]_D^{26}$ +79.4° (c, 1 in $CHCl_3$).
▷NY1502900.

De(3-methylbutanoyl): [60504-95-2].
Deisovalerylblastmycin.
$C_{21}H_{28}N_2O_8$ M 436.461
From *S.* spp. Antifungal agent. Mp 186-188°. $[\alpha]_D^{24}$ +36° (c, 1 in MeOH).

Antimycin A_4 [27220-59-3]
$C_{25}H_{34}N_2O_9$ M 506.552

From *S.* spp. Antifungal agent. $[\alpha]_D$ +111° ($CHCl_3$).
▷ET0900000.

Antimycin A_5 [27220-60-6]
$C_{24}H_{32}N_2O_9$ M 492.525

From *S.* sp. Antifungal agent.

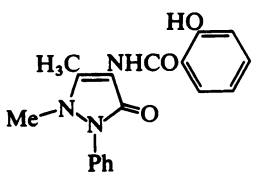
Antimycin A_6 [27220-61-7]
$C_{23}H_{30}N_2O_9$ M 478.498

From *S.* sp. Antifungal agent.

Antibiotic I-2743C
I-2743C
$C_{23}H_{30}N_2O_9$ M 478.498
Isol. from *Kitasatoa purpurea* and *Actinomycetales* sp. Antifungal agent. Cryst. (C_6H_6).

U.S.P., 2 657 170, (*1952*); *CA*, **48**, 2312 (*isol, synth*)
Tener, G.M. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 1100 (*ir, uv, struct*)
Watanabe, K. *et al*, *J. Antibiot., Ser. A*, 1957, **10**, 39 (*isol, struct*)
Liu, W.C. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4387 (*isol*)
v. Tamelen, E.E., *J. Am. Chem. Soc.*, 1961, **83**, 1639.
Kinoshita, M. *et al*, *J. Antibiot.*, 1969, **22**, 580; 1972, **25**, 373 (*synth, abs config*)
Schilling, G. *et al*, *J. Antibiot.*, 1970, **23**, 81 (*ms, struct*)
Haegele, K.D. *et al*, *J. Antibiot.*, 1973, **26**, 215 (*isol*)
Kinoshita, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 1279 (*synth, uv, ir, ms, pmr*)
Ishiyama, T. *et al*, *J. Antibiot.*, 1976, **29**, 804 (*deriv*)
Aburaki, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 198 (*synth*)
Nakata, T. *et al*, *Tetrahedron Lett.*, 1983, 2657 (*synth*)
Wasserman, H.H. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 1423 (*synth*)
Gambale, R.J., *Diss. Abstr. Int. B*, 1986, **46**, 3845 (*synth*)

***N*-Antipyrinylsalicylamide,** 8CI **A-00416**
N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-2-hydroxybenzamide, 9CI. *Salicylamidophenazone. Eupirone. Eupyron*
[5712-95-8]



$C_{18}H_{17}N_3O_3$ M 323.351
Antipyretic, antirheumatic, analgesic. Mp 217-218°.

Zorn, B. *et al*, *Pharmazie*, 1957, **12**, 396 (*synth, pharmacol*)

Ibrahim, M.A. *et al*, *Boll. Chim. Farm.*, 1962, **101**, 599 (*synth, props*)
Saratikov, A.S. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 855 (*pharmacol*)
Saratikov, A.S. *et al*, *Khim.-Farm. Zh.*, 1978, **12**, 58 (*synth, pharmacol*)

Antithrombin III, BAN, INN A-00417

Heparin Cofactor. Antitrombin. Atenativ. Kybernin. AT 3

[9000-94-6]

Protein (α_2-globulin) containing 432 amino acid residues. Obt. from human plasma. Anticoagulant.

Rosenberg, R.D. *et al*, *J. Med.* (*Westbury, N.Y.*), 1985, **16**, 351 (*rev*)
Griffith, M.J., *New Compr. Biochem.*, 1986, **13**, 259 (*rev*)
Bikfalvi, A. *et al*, *Comp. Biochem. Physiol. B*, 1987, **87**, 435 (*rev*)
High, K.A. *et al*, *Arch. Pathol. Lab. Med.*, 1988, **112**, 28 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1216.

α_1-Antitrypsin A-00418

α_1-Trypsin inhibitor, 9CI. α_1 Proteinase inhibitor. Prolastin. AAT

[9041-92-3]

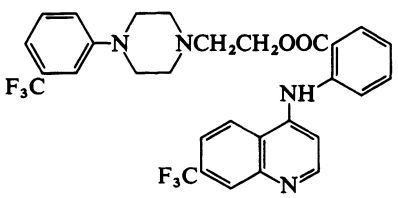
Protein containing 394 amino acid residues. Isol. from plasma and serum. Anticoagulant.

Witt, I. *et al*, *Methods Enzymol. Anal.* (*3rd Ed.*), 1984, **5**, 448 (*rev, anal*)
Berninger, R.W., *J. Med.* (*Westbury, N.Y.*), 1985, **16**, 23 (*rev*)
Boswell, D.R. *et al*, *Biochem. Educ.*, 1985, **13**, 98 (*rev*)
Huber, R. *et al*, *J. Appl. Crystallogr.*, 1985, **18**, 165 (*cryst struct*)
Carrell, R.W., *J. Clin. Invest.*, 1986, **78**, 1427 (*rev*)
Mullertz, S., *Fibrinolysis*, 1987, **4**, 3 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16516.

Antrafenine, INN A-00419

2-[4-[3-(Trifluoromethyl)phenyl]-1-piperazinyl]ethyl 2[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoate, 9CI. 2-[4-(α,α,α-Trifluoro-m-tolyl)-1-piperazinyl]ethyl N-[7-(trifluoromethyl)-4-quinolyl]anthranilate. Stakane. SL 73033

[55300-29-3]



$C_{30}H_{26}F_6N_4O_2$ M 588.551

Analgesic, antiinflammatory agent. Mp 88-90°. Low renal toxicity.

▷TM0806000.

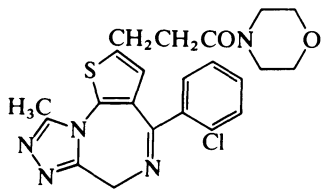
B,2HCl: [55300-30-6]. Mp 230°.

Dring, L.G. *et al*, *Br. J. Pharmacol.*, 1978, **63**, 368P (*metab*)
Neuman, M., *Drugs of Today*, 1978, **14**, 56 (*rev*)
Manoury, P.M. *et al*, *J. Med. Chem.*, 1979, **22**, 554 (*synth, pharmacol*)
Nicot, G. *et al*, *Therapie*, 1983, **38**, 379 (*tox*)
Caccia, S. *et al*, *J. Chromatogr.*, 1984, **283**, 211 (*glc, ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12384.

Apafant, INN A-00420

4-[3-[4-(2-Chlorophenyl)-9-methyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-2-yl]-1-oxopropyl]morpholine, 9CI. WEB 2086

[105219-56-5]



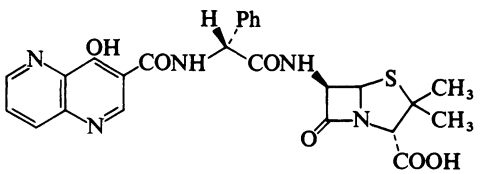
$C_{22}H_{22}ClN_5O_2S$ M 455.961

Antagonist to platelet activating factor. Cryst. Mp 189-190°.

Ger. Pat., 3 502 392, (*1986*); *CA*, **106**, 156502h (*synth, pharmacol*)
Casals-Stenzel, J. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **241**, 974 (*pharmacol*)
Pretolani, M. *et al*, *Eur. J. Pharmacol.*, 1987, **140**, 311 (*pharmacol*)
Evans, T.W. *et al*, *Br. J. Pharmacol.*, 1988, **94**, 164 (*activity*)
Ukena, D. *et al*, *FEBS Lett.*, 1988, **228**, 285 (*use*)

Apalcillin, INN A-00421

[63469-19-2]



$C_{25}H_{23}N_5O_6S$ M 521.547

Semisynthetic penicillin. Clinically used antibiotic showing good activity against *Pseudomonas*. Cryst. Sol. H_2O.

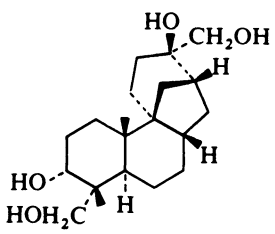
Na salt: [58795-03-2]. *Apalcillin sodium, USAN. Elumota. Lumota. Palcin. PC 904.*

U.S.P., 3 864 329, (*1972*); *CA*, **80**, 3512
Noguchi, H. *et al*, *Antimicrob. Agents Chemother.*, 1976, **9**, 262.
Tobiki, H. *et al*, *Yakugaku Zasshi*, 1979, **99**, 717; 1980, **100**, 49; *CA*, **93**, 95179 (*synth, spectra*)
Komatsu, T. *et al*, *Beta-Lactam Antibiot.*, 1981, 87 (*rev*)
Busch, U. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1131.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15329.

Aphidicolin A-00422

3α,16β,17,18-Aphidicolanetetrol. ICI 69653

[38966-21-1]



$C_{20}H_{34}O_4$ M 338.486

Diterpene antibiotic. Isol. from *Cephalosporium aphidicola, Nigrospora sphaerica, Harziella entomophilla* and *Phoma betae*. Antiviral, antineoplastic and antimitotic antibiotic. Cryst. Mp 227-233°. $[\alpha]_D^{27}$ +12° (c, 1 in MeOH).

▷PB9185000.

17-Ac: [51103-57-2].
$C_{22}H_{36}O_5$ M 380.523
From *P. betae*. Inhibits DNA polymerase and synthesis, and root growth of seedlings. Cryst. Mp 196-199°. $[\alpha]_D^{26}$ +5.0°.

3-Deoxy: [85483-00-7]. ***3-Deoxyaphidicolin***.
$C_{20}H_{34}O_3$ M 322.487
From *P. betae*. Inhibits DNA polymerase and synthesis, and root growth of seedlings. Needles. Mp 138-140.5°. $[\alpha]_D^{27}$ +22.6° (c, 0.98 in EtOH).

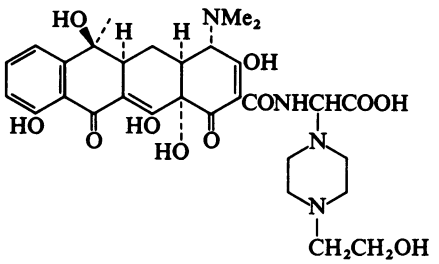
3,18-Orthoacetate: [92681-39-5].
$C_{22}H_{36}O_5$ M 380.523
From *P. betae*. Phytotoxin. Inhibits the root growth of rice and lettuce seedlings. Oil. $[\alpha]_D^{25}$ −5.4° (c, 1.6 in $CHCl_3$).

Brundret, K.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 1027 (*cryst struct*)
Dalziel, W. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1973, 2841 (*cryst struct, ir, nmr, abs config*)
Adams, M.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1975, 389 (*cmr, biosynth*)
McMurry, J.E. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 1330 (*synth, ir, pmr*)
Ackland, M.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 2751; 1985, 2705 (*biosynth*)
Ichihara, A. *et al*, *Agric. Biol. Chem.*, 1984, **48**, 1687 (*isol, derivs*)
Ackland, M.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1987, 1492 (*biosynth*)
Holton, R.A. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 1597 (*synth, bibl*)
Ackland, M.J. *et al*, *Phytochemistry*, 1988, **27**, 1041 (*biosynth*)

Apicycline, INN A-00423

N-[[*4-(2-Hydroxyethyl)piperazino*](*carboxy*)*methyl*]-*tetracycline. Traserit. RIT 1140*

[15599-51-6]



$C_{30}H_{38}N_4O_{11}$ M 630.650
Semisynthetic. Antibiotic. Mp 144.5° dec. $[\alpha]_D$ −133° (H_2O).

Belgian Pat., 673 130, (*1966*); *CA*, **68**, 104840 (*synth*)
Rondelet, J.A. *et al*, *Ann. Pharm. Fr.*, 1968, **26**, 63; *CA*, **69**, 77231 (*synth, pharmacol*)

Apolipoprotein A1 A-00424

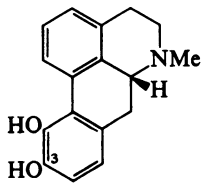
APO

Peptide containing 243 amino acid residues. Isol. from plasma and serum. Antiarteriosclerotic.

Breslow, J.L., *Ann. Rev. Biochem.*, 1985, **54**, 699 (*rev*)
Cheung, M.C., *Methods Enzymol.*, 1986, **129**, 130 (*rev, isol, props*)
Law, S.W. *et al*, *Adv. Exp. Med. Biol.*, 1986, **201**, 151 (*rev*)

Apomorphine, BAN A-00425

5,6,6a,7-Tetrahydro-6-methyl-4H-dibenzo[de,g]-*quinoline-10,11-diol*, *9CI*



(*R*)-*form*

$C_{17}H_{17}NO_2$ M 267.327
S-form is a weak dopamine antagonist.

▷Highly toxic

(R)-form [58-00-4]

Obt. by acid treatment of Morphine. Powerful emetic, has been used to control Parkinsonism. No narcotic props. Dopamine agonist. Cryst. + $1Et_2O$ (Et_2O under N_2). Loses Et_2O at 100°. Sl. sol. H_2O. Turns green and dec. in air. Dec at 195°.

▷CE0700000.

B,HCl: [41372-20-7]. *Apomorphine hydrochloride*, *USAN*. Cryst. or cryst. + $\frac{1}{2}H_2O$. V. sol. H_2O. $[\alpha]_D^{25}$ −30.5° (H_2O).

Di-Ac:
$C_{21}H_{21}NO_4$ M 351.401
Needles (EtOAc/pet. ether). Mp 127-128°. $[\alpha]_D^{24}$ −88° (c, 1.12 in 0.1*M* HCl).

3-Me ether: [641-36-1]. *Apocodeine.*
$C_{18}H_{19}NO_2$ M 281.354
Obt. by acid treatment of Codeine. Prisms (MeOH). Mp 124° (dried). $[\alpha]_D^{24}$ −97° (c, 0.45 in $CHCl_3$).

▷Highly toxic, weak sensitiser

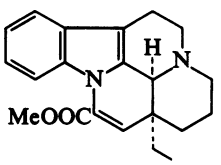
3-Me ether; B,HCl: V. sol. H_2O. Mp 260-263° (softens from 140°). $[\alpha]_D^{22}$ −43° (c, 0.56 in $CHCl_3$).

Small, L. *et al*, *J. Org. Chem.*, 1940, **5**, 334 (*synth*)
Corrodi, H. *et al*, *Helv. Chim. Acta*, 1955, **38**, 2038 (*abs config*)
Neumeyer, J.L. *et al*, *J. Pharm. Sci.*, 1970, **59**, 1850 (*synth*)
Giesecke, J., *Acta Crystallogr., Sect. B*, 1973, **29**, 1785; 1977, **33**, 302 (*cryst struct, abs config*)
Neumeyer, J.L. *et al*, *J. Med. Chem.*, 1973, **16**, 1223 (*synth, pharmacol*)
Colpaert, F.C. *et al*, *Int. Rev. Neurobiology*, 1976, **19**, 225 (*rev*)
Ram, V.J. *et al*, *J. Org. Chem.*, 1981, **46**, 2830 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 386.

Apovincamine, INN A-00426

ApV

[4880-92-6]



Absolute configuration

$C_{21}H_{24}N_2O_2$ M 336.433
Alkaloid from *Tabernaemontana rigida* (Apocynaceae) and product of dehydration of Vincamine. Vasodilator. Mp 160-161°. $[\alpha]_D^{26}$ +118° (c, 2.11 in $CHCl_3$).

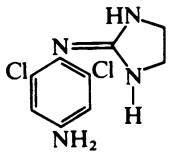
14,15-Didehydro: [50298-88-9]. ***Apo-14,15-dehydrovincamine***.
$C_{21}H_{22}N_2O_2$ M 334.417
Alkaloid from the root bark of *Crioceras dipladeniiflorus* (Apocynaceae). Amorph. $[\alpha]_D$ +150° (c, 1.13 in $CHCl_3$).

Trojánek, J. *et al*, *Tetrahedron Lett.*, 1961, 702 (*ir, uv, struct*)
Machova, J. *et al*, *Arch. Int. Pharmacodyn.*, 1964, **150**, 516 (*pharmacol*)
Cava, M.P. *et al*, *J. Org. Chem.*, 1968, **33**, 1055 (*isol*)
Bruneton, J. *et al*, *Phytochemistry*, 1973, **12**, 1475 (*deriv*)
Szabó, L. *et al*, *Tetrahedron*, 1983, **39**, 3737 (*synth*)

Apraclonidine A-00427

2,6-Dichloro-N′-(4,5-dihydro-1H-imidazol-2-yl)-1,4-benzenediamine, *9CI.* p-*Aminoclonidine*

[66711-21-5]



$C_9H_{10}Cl_2N_4$ M 245.111

α-Adrenoceptor stimulant. Ophthalmalogic agent. Cryst. (MeCN). Mp 230°.

B,HCl: [73218-79-8]. *Apraclonidine hydrochloride*, *USAN. AL 02145.* Cryst. (EtOH). Mp >260°.

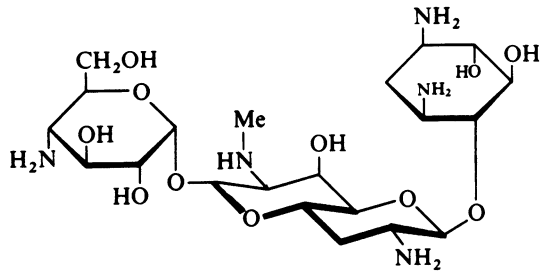
B,2HCl: [73217-88-6]. Cryst. (MeOH/EtOH). Mp >300°.

Rouot, B. *et al*, *Bull. Soc. Chim. Fr.*, 1979, 520 (*synth*)
Cavero, I. *et al*, *Br. J. Pharmacol.*, 1980, **69**, 295P; **71**, 5 (*pharmacol*)
U'Prichard, D.C., *Prog. Clin. Biol. Res.*, 1981, **71**, 53 (*rev, pharmacol*)
Van Dort, M. *et al*, *J. Med. Chem.*, 1987, **30**, 1241 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3917.

Apramycin, INN, BAN A-00428

Nebramycin II. Ambylan. Apralan. Magnimix. EL 857/820. Lilly 47657

[37321-09-8]



$C_{21}H_{41}N_5O_{11}$ M 539.582

Isol. from *Streptomyces tenebrarius* and *Saccharomyces porispora hiltus*. Shows antibiotic activity against gram-positive and -negative organisms. Cryst. + $1H_2O$ (EtOH aq.). Mp 245-247°. $[\alpha]_D^{25}$ −164° (c, 1 in H_2O).

▷WK1970000.

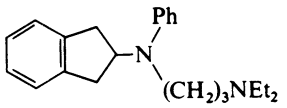
B,H_2SO_4: Apramycin sulfate, *BAN. Apralan.*

O'Connor, S. *et al*, *J. Org. Chem.*, 1976, **41**, 2087 (*isol, ir, ms, pmr, cryst struct*)
Koch, K.F. *et al*, *J. Org. Chem.*, 1978, **43**, 1430 (*cmr, N-15 nmr, ms*)
Japan. Pat., 80 102 397, (*1980*); *CA*, **93**, 236935 (*manuf*)
Tatsuta, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1984, **57**, 529 (*synth, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12387.

Aprindine, BAN, USAN A-00429

N-(2,3-Dihydro-1H-inden-2-yl)-N′,N′-diethyl-N-phenyl-1,3-propanediamine, *9CI. Lilly 99170*

[37640-71-4]



$C_{22}H_{30}N_2$ M 322.492

Antiarrhythmic drug.

B,HCl: [33237-74-0]. *Aprindine hydrochloride*, *USAN. Amidonal. Elpen. Fibocil. Fiboran. Ritmusan. Lilly 83846.*

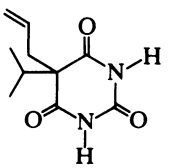
▷TX7386000.

Netherlands Pat., 7 402 731, (*1974*); *CA*, **83**, 96837r (*synth*)
Kroll, D.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1975, **194**, 427 (*pharmacol*)
Stoel, I. *et al*, *Eur. Heart J.*, 1980, **1**, 147 (*rev, pharmacol*)
Gould, L.A. *et al*, *Drug Treat. Card. Arrhythmias*, 1983, 239 (*rev*)
Yokota, M. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 184 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7781.

Aprobarbital, INN A-00430

5-(1-Methylethyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, *9CI. 5-Allyl-5-isopropylbarbituric acid. Alurate. Numal. Isonal. Aprozal. Allonal. Other synonyms*

[77-02-1]



$C_{10}H_{14}N_2O_3$ M 210.232

Sedative, hypnotic. Cryst. Mp 140-141.5°. Polymorphic forms known.

▷CP8925000.

Na salt: [125-88-2]. *Somnipron. Alurate sodium.* Hygroscopic powder.

▷CP9300000.

U.S.P., 1 444 802, (*1923*)
Sandberg, F., *Acta Physiol. Scand.*, 1949, **18**, 204 (*pharmacol*)
Gräfe, H.J. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 293 (*activity*)
Hansch, C. *et al*, *J. Med. Chem.*, 1967, **10**, 745 (*biol activity*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 580 (*ms*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1580 (*cmr*)
Rae, A.D., *Cryst. Struct. Commun.*, 1975, **4**, 457 (*cryst struct*)
Harvey, D.J. *et al*, *Drug Metab. Dispos.*, 1977, **5**, 527 (*metab*)
Yih, T.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1977, **203**, 184 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4007.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1637.

Aprofene, INN A-00431

2-(Diethylamino)ethyl α-methyl-α-phenylbenzeneacetate, *9CI. Diethylaminoethyl 2,2-diphenylpropionate*, *8CI. Aprophen*

[3563-01-7]

$H_3CCPh_2COOCH_2CH_2NEt_2$

$C_{21}H_{27}NO_2$ M 325.450

Spasmolytic, anticholinergic agent. Liq. Bp_2 180-185°.

▷UF2032500.

B,HCl: [2589-00-6]. Mp 161-162°.

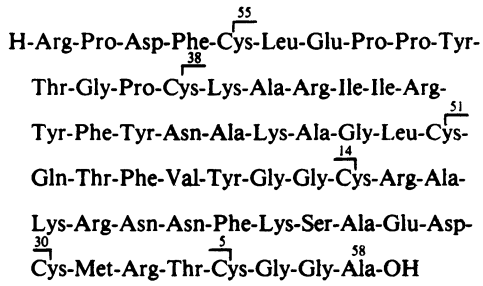
▷UF2032750.

B.P., 641 573, (*1950*); *CA*, **45**, 2507 (*synth*)
Zaugg, H.E. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 3004 (*synth*)
Mashkovskii, M.D. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1957, **20**, 42 (*pharmacol*)
Volkova, Z.V., *Farmakol. Toksikol.* (*Moscow*), 1959, **22**, 345 (*pharmacol*)
Ioffe, D.V. *et al*, *Khim.-Farm. Zh.*, 1969, **3**, 30 (*synth*)
Agadzhanyan, T.E. *et al*, *Arm. Khim. Zh.*, 1973, **26**, 964 (*ms*)
Eck, W.S. *et al*, *J. Chromatogr.*, 1981, **219**, 171 (*hplc*)
Thompson, E.B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1984, **269**, 42 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 338.

Aprotinin, BAN, USAN, INN A-00432

Trasylol, *9CI*. *Trypsin inhibitor* (*ox pancreas basic*), *9CI*. *Basic pancreatic trypsin inhibitor* (*Kunitz*). *Frey inhibitor. HPSTI. Aprotinin solution*, *JAN*. *Other synonyms*

[9087-70-1]



$C_{284}H_{432}N_{84}O_{79}S_7$ M 6511.472

Isol. from bovine lung, pancreas or parotid gland. Natural proteinase inhibitor which has been prepared by solid-phase and semi-synthesis. Used clinically to treat acute pancreatitis and hyperfibrinolytic haemorrhage. pI 10.5.

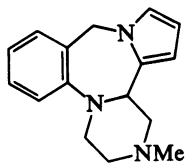
▷YN5080000.

Kassell, B., *Methods Enzymol.*, 1970, **19**, 844.
Laskowski, M. *et al*, *The Enzymes*, (*Boyer, P., Ed.*), 1971, Academic Press, N.Y., 3rd Ed., 375 (*rev*)
Proteinase Inhibitors, (*Fritz, H. et al*, Eds.), 1974, Springer-Verlag, N.Y.
Tan, N.H. *et al*, *J. Org. Chem.*, 1976, **41**, 2787 (*synth*)
Tan, N.H. *et al*, *Biochemistry*, 1977, **16**, 1531.
Bode, W., *Naturwissenschaften*, 1979, **66**, 251 (*activity*)
Wuethrich, K. *et al*, *J. Mol. Biol.*, 1979, **130**, 1 (*pmr*)
Fussi, F., *Boll. Chim. Farm.*, 1980, **119**, 631 (*rev, pharmacol*)
Lasowski, M. *et al*, *Annu. Rev. Biochem.*, 1980, **49**, 593 (*rev*)
Zyzner, E.S., *Life Sci.*, 1981, **28**, 1861 (*rev*)
Kikuchi, N. *et al*, *J. Biochem.* (*Tokyo*), 1985, **98**, 687 (*isol*)
Yamamoto, T. *et al*, *Biochem. Biophys. Res. Commun.*, 1985, **132**, 605 (*cloning*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1714.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8405.

Aptazapine, INN A-00433

1,3,4,14b-Tetrahydro-2-methyl-2H,10H-pyrazino[1,2-a]pyrrolo[2,1-c][1,4]benzodiazepine, *9CI*

[71576-40-4]



$C_{16}H_{19}N_3$ M 253.346

α_2-Adrenergic blocking agent.

(±)-form

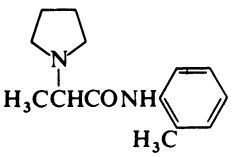
Maleate: [71576-41-5]. *Aptazapine maleate*, *USAN*. *CGS 7525A*. Mp 181-183°. Known also in opt. active forms.

Eur. Pat., 1 585, (*1979*); *CA*, **92**, 6566k (*synth, pharmacol*)
Nickolson, V.J. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 760 (*pharmacol*)
U.S.P., 4 316 900, (*1982*); *CA*, **96**, 199750e (*synth*)
Liebman, J.M. *et al*, *Life Sci.*, 1983, **32**, 355 (*pharmacol*)
Ong-Lee, A. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 1565 (*synth, pharmacol, nmr, ir*)
Boyer, S.K. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 833 (*synth, pmr*)

Aptocaine, BAN, INN A-00434

α-Methyl-1-pyrrolidineaceto-o-toluidide, *8CI*

[19281-29-9]



$C_{14}H_{20}N_2O$ M 232.325

Local anaesthetic. Oil. $Bp_{0.18}$ 137-141°.

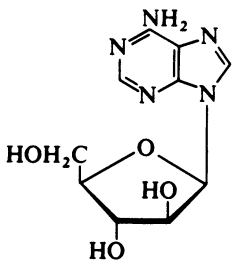
B,HCl: [19281-32-4]. *Pirothesin. Pradicaine.* Mp 234-236° dec.

Fr. Pat., 1 494 815, (*1967*); *CA*, **69**, 51854p (*synth*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, Suppl. 54P (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7606.

9-Arabinofuranosyladenine, 8CI A-00435

9-Arabinofuranosyl-9H-purin-6-amine, *9CI*

[2006-02-2]



$C_{10}H_{13}N_5O_4$ M 267.244

α-D-form [3228-71-5]

Mp 208°. $[\alpha]_D^{17}$ +69° (c, 1.1 in H_2O).

β-D-form [5536-17-4]

Vidarabine, BAN, INN, JAN, USAN. *Spongoadenosine. Adena-A. Ara-A. Arasena-A. Panavirin. Plosarabine forte. Vira-A. CI 673. NSC 404241*

Isol. from the marine gorgonian *Eunicella cavolini* and *Streptomyces* spp. Antiviral agent. Significant activity against Herpes simplex and vacinia viruses in cell cultures and in experimental animals. Needles + $^1/_2H_2O$. Mp 257-257.5°. $[\alpha]_D^{40}$ +12° (c, 0.25 in H_2O), $[\alpha]_D^{27}$ −5° (c, 0.25 in H_2O).

▷AU6200000.

5'-(Dihydrogen phosphate): [29984-33-6]. *Vidarabine phosphate, USAN. CI 808.*
$C_{10}H_{14}N_5O_7P$ M 347.224
Antiviral agent. Also used as Di-Na salt (Vidarabine sodium phosphate, USAN).
▷AU6204000.

6N-Me: [60209-41-8].
$C_{11}H_{15}N_5O_4$ M 281.271
Mp 201-202.5°. $[\alpha]_D^{25}$ +10° (c, 1.0 in MeOH). λ_{max} 266 (ε 13 800) (pH 7), 262.5 (15 500) (pH 1), 266 nm (14 400) (pH 13).

6N-Di-Me:
$C_{12}H_{17}N_5O_4$ M 295.297
Mp 210-211°. $[\alpha]_D^{19}$ −7° (c, 1.0 in MeOH). λ_{max} 275 (ε 15 700) (pH 7), 268 (16 000) (pH 1), 276 nm (15 200) (pH 13).

2',3',5'-Tri-Ac: [15830-52-1].
$C_{16}H_{19}N_5O_7$ M 393.355
Mp 128.5-129°. $[\alpha]_D^{22}$ −13° (c, 0.74 in $CHCl_3$). λ_{max} 259 nm (ε 14 200) (EtOH).

8-Bromo, 2',3',5'-tri-Ac:
$C_{16}H_{18}BrN_5O_7$ M 472.252
Orange needles. Mp 178.5-179°. $[\alpha]_D^{22}$ −73° (c, 0.4 in $CHCl_3$). λ_{max} 263 (ε 15 400) (pH 7), 262 (17 250) (pH 1), 260 nm (13 380) (pH 13).

3'-Ac: [65286-65-9].
$C_{12}H_{15}N_5O_5$ M 309.281
Isol. from *E. cavolini*. Antiviral agent. Cryst. (MeOH). Mp 214-215°.

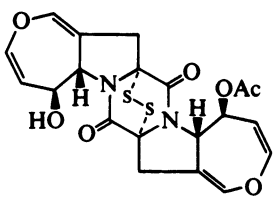
8-Amino:
$C_{10}H_{14}N_6O_4$ M 282.258
Mp 142-145° (241° dec.). $[\alpha]_D^{22}$ +10° (c, 1.0 in 2-methoxyethanol). λ_{max} 273 (ε 16 600) (pH 7), 269 (13 500) (pH 1), 275 nm (16 800) (pH 13).

Lee, W.W. *et al, J. Am. Chem. Soc.*, 1960, **82**, 2648.
Reist, E.J. *et al, J. Org. Chem.*, 1962, **27**, 3274; 1968, **33**, 1600 (*synth*)
Han, J. *et al, Life Sci.*, 1971, **10**, 637 (*phosphate*)
Renis, H.E. *et al, J. Med. Chem.*, 1973, **16**, 754.
Wenkert, B. *et al, Biochem. Biophys. Res. Commun.*, 1973, **51**, 318 (*cmr*)
Chwang, A.K. *et al, Acta Crystallogr., Sect. B*, 1974, **30**, 2273 (*cryst struct*)
Ranganathan, R., *Tetrahedron Lett.*, 1975, 1185 (*synth*)
Remin, M. *et al, Biochim. Biophys. Acta*, 1976, **435**, 405 (*pmr, conformn*)
Baker, D.C. *et al, J. Med. Chem.*, 1979, **22**, 273 (*synth*)
Cass, C.E., *Antibiotics (N.Y.)*, 1979, **5**, 85 (*rev*)
Buchanan, R.A. *et al, Pharmacol. Ther.*, 1980, **8**, 143 (*pharmacol, rev*)
Cimino, G. *et al, Experientia*, 1984, **40**, 339 (*isol*)
Hong, W.H. *et al, Anal. Profiles Drug Subst.*, 1986, **15**, 647 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1690, 17027.

Aranotin, USAN, INN — A-00436

Ariotin. Antibiotic A 21101 III. A 21101 III. Lilly 53183

[19885-51-9]



$C_{20}H_{18}N_2O_7S_2$ M 462.491
Epidithiodioxopiperazine antibiotic. Metab. of the fungus *Arachniotus aureus*. Shows antitumour and antiviral props. Mp 198-200° dec.
▷KB4600000.

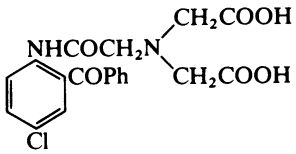
Ac: [20485-01-2]. ***Acetylaranotin.*** *A21101 II. LL-S-88 A". Antibiotic A21101 II. Antibiotic LL-S-88 A".*
$C_{22}H_{20}N_2O_8S_2$ M 504.529
Prod. by *A. aureus* and *Aspergillus terreus*. Active against viruses, mycobacteria and gram-positive bacteria. Yellow cryst. (EtOH). Mp 210-215° dec. $[\alpha]_D$ −549.7°.

Nagarajan, R. *et al, J. Am. Chem. Soc.*, 1973, **95**, 7212 (*bibl, cd*)
Harruff, L.G., *CA*, 1979, **90**, 22986m.
Rastetter, W.H. *et al, J. Org. Chem.*, 1982, **47**, 1509 (*biosynth*)
Cole, R.J. *et al, Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 607, 608.

Arclofenin, INN — A-00437

N-[2-[(2-Benzoyl-4-chlorophenyl)amino]-2-oxoethyl]-N-(carboxymethyl)glycine, 9CI. N-[N'-(2-Benzoyl-4-chlorophenyl)carbamoylmethyl]iminodiacetic acid. PHENIDA

[87071-16-7]



$C_{19}H_{17}ClN_2O_6$ M 404.806
Diagnostic aid. Used as ^{99}Tc complex in hepatic function determination. Cryst. (MeOH aq.). Mp 180-186° dec.

U.S.P., 4 454 107, (*1984*); *CA*, **101**, 43577 (*synth, use*)

Arfalasin, INN — A-00438

1-Succinamic acid-5-L-valine-8-(L-2-phenylglycine)-angiotensin II. HOE 409

[60173-73-1]

$H_2NCOCH_2CH_2CO$-L-Arg-L-Val-L-Tyr-L-Val-L-His-L-Pro-L-PhGlyOH

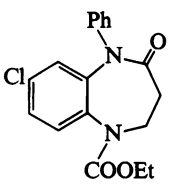
$C_{48}H_{67}N_{13}O_{11}$ M 1002.138
Antihypertensive agent, angiotensin antagonist. Mp 221°. $[\alpha]_D$ −38.2° (c, 1 in MeOH).

Ger. Pat., 2 457 463, (*1976*); *CA*, **85**, 94684f (*synth, pharmacol*)
Schoelkens, B.A. *et al, Hoppe-Seylers Z. Physiol. Chem.*, 1976, **357**, 825 (*pharmacol*)

Arfendazam, INN — A-00439

Ethyl 7-chloro-2,3,4,5-tetrahydro-4-oxo-5-phenyl-1H-1,5-benzodiazepine-1-carboxylate, 9CI

[37669-57-1]



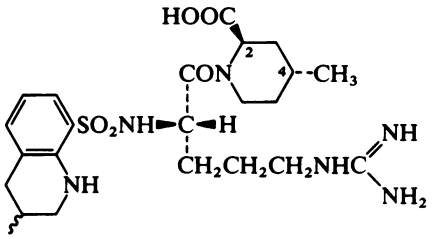
$C_{18}H_{17}ClN_2O_3$ M 344.797
Anticonvulsant, tranquilliser. Cryst. (EtOAc). Mp 172-173°.

Ger. Pat., 2 052 840, (*1972*); *CA*, **77**, 34599g (*synth, pharmacol, tox*)

Argatroban, INN **A-00440**

1-[5-[(Aminoiminomethyl)amino]-1-oxo-2-[[(1,2,3,4-tetrahydro-3-methyl-8-quinolinyl)sulfonyl]amino]-pentyl]-4-methyl-2-piperidinecarboxylic acid, 9CI. Argipidine. MCI 9038. MD 805

[74863-84-6]



(2*R*,4*R*)-*form*

$C_{23}H_{36}N_6O_5S$ M 508.635

(2R,4R)-form

Antithrombotic, anticoagulant. Cryst. + 1 H_2O (EtOH aq.). Mp 176-180°. $[\alpha]_D^{27}$ +76.1° (c, 1 in 0.2M HCl).

(2R,4S)-form

Cryst. + 1H_2O (EtOH aq.). Mp 174-176°. $[\alpha]_D^{25}$ +43° (c, 1 in 0.1M HCl).

(2S,4R)-form

Cryst. + 1H_2O. Mp 229-232°. $[\alpha]_D^{25}$ +35° (c, 1 in 0.1M HCl).

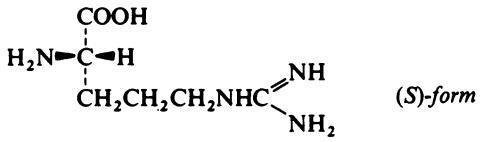
(2S,4S)-form

Cryst. + 1H_2O. Mp 270-272°. $[\alpha]_D^{25}$ +57° (c, 1 in 0.1M HCl).

Okamoto, S. *et al*, *Biochem. Biophys. Res. Commun.*, 1981, **101**, 440 (*synth, pharmacol*)
Green, D. *et al*, *Thromb. Res.*, 1985, **37**, 145 (*pharmacol*)
Iida, S. *et al*, *Oyo Yakuri*, 1986, **32**, 1117 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19453.

Arginine, INN, USAN **A-00441**

2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid, 9CI. 2-Amino-5-guanidinovaleric acid



(*S*)-*form*

$C_6H_{14}N_4O_2$ M 174.202

(R)-form [157-06-2]

D-form

Mp 238° dec. $[\alpha]_D^{25}$ −12.5° (c, 1 in H_2O), −27.6° (c, 1 in 5M HCl).

B,HCl: Mp 218°.

Me ester; B,2HCl:

$C_7H_{16}N_4O_2$ M 188.229

$[\alpha]_D^{25}$ −17° (c, 5 in H_2O).

(S)-form [74-79-3]

L-form

Found in seeds/shoots of pine, fir, acacia, arachis etc. and in many proteins. Diagnostic aid (pituitary function determination), ammonia detoxicant. Plates or prisms + 2H_2O (H_2O), plates (EtOH). Mp 207° (244°) dec. (anhyd. 105°). $[\alpha]_D$ +12.5° (c, 1 in H_2O), +27.6° (c, 1 in 5M HCl). *N*-Protected derivs. useful in peptide synth. have been listed alphabetically elsewhere.

B,HCl: [1119-34-2]. ***Arginine hydrochloride,*** *USAN*. Mp 222° dec. (235°). $[\alpha]_D^{20}$ +12.1° (H_2O).

▷CF1995500.

Mono(2-mercaptoethanesulfonate): [106854-46-0]. ***Argimesna, INN***. Antidote.

N,N′-*Dibenzoyl:*

$C_{20}H_{22}N_4O_4$ M 382.418

Leaflets (EtOH). Mp 235° dec.

N,N′-*Dibenzoyl; B,HCl:* Mp 218°.

N-*2,4-Dinitrophenyl:* Mp 260°.

Benzyl ester; B,HCl:

$C_{13}H_{20}N_4O_2$ M 264.327

Mp 152° dec. $[\alpha]_D^{25}$ −9.2° (c, 2 in EtOH aq.).

Me ester; B,2HCl: Mp 195° dec. $[\alpha]_D^{25}$ +17.2° (c, 5 in H_2O).

(±)-form [7200-25-1]

Mp 238° dec. pK_{a1} 2.17 (COOH), pK_{a2} 9.04 (NH_2), pK_{a3} 12.48 (guanido).

B,HNO₃: Plates. Mp 230°.

Dipicrate: Mp 200° dec.

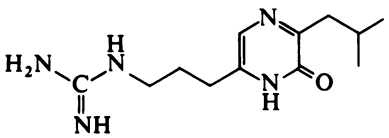
N,N′-*Dibenzoyl:* Hydrate (EtOH). Mp 176° (anhyd. 230°).

Org. Synth., 1932, **12**, 4 (*synth*)
Greenstein, J.P. *et al*, *Chemistry of the Amino Acids*, 1961, Wiley, N.Y., **3**, 1841 (*rev*)
Bak, B. *et al*, *J. Mol. Spectrosc.*, 1968, **26**, 78 (*pmr*)
Voelter, W. *et al*, *Z. Naturforsch., B*, 1971, **26**, 213 (*cmr*)
Lehmann, M.S. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 133 (*cryst struct*)
Torgerson, D.F. *et al*, *Biochem. Biophys. Res. Commun.*, 1974, **60**, 616 (*ms*)

Arglecin **A-00442**

[3-[1,6-Dihydro-5-(2-methylpropyl)-6-oxopyrazinyl]-propyl]guanidine, 9CI

[34098-41-4]



$C_{12}H_{21}N_5O$ M 251.331

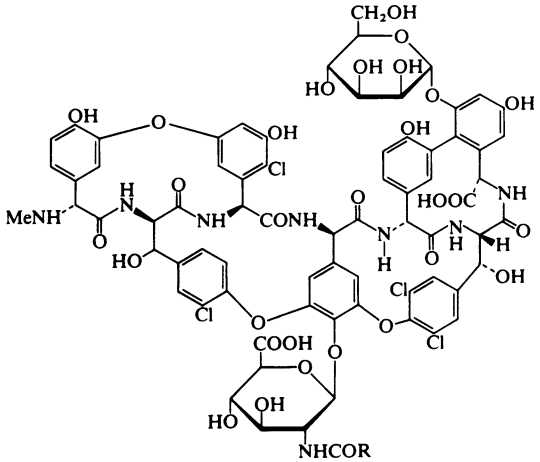
Diketopiperazine derived antibiotic. Produced by *Streptomyces toxitricini* and other *S.* sp. Enzyme inhibitor. Antiarrhythmic agent.

B,2HCl: Needles (EtOH/EtOAc). Mp 176-177°.

Umezawa, S. *et al*, *Tetrahedron Lett.*, 1971, 259 (*ir, uv, pmr, cmr, isol*)
Tatsuta, K. *et al*, *J. Antibiot.*, 1972, **25**, 674 (*ir, ms, nmr, synth, struct*)
MacDonald, J.C. *et al*, *Tetrahedron*, 1976, **32**, 655 (*pmr, cmr*)

Aridicin A-00443

Ardacin, INN



Aridicin A R = C_9H_{19}
Aridicin B R = $C_{10}H_{21}$
Aridicin C R = $C_{11}H_{23}$

Glycopeptide antibiotic complex. Isol. from *Kibdelosporangium aridum*. Active against gram-positive bacteria. Related to Vancomycin.

Aricidin A

Ardacin A

$C_{81}H_{82}Cl_4N_8O_{30}$ M 1789.386

Yellow-white powder. $[\alpha]_D^{25}$ −66° (c, 0.3 in H_2O).

Aridicin B

Ardacin B

$C_{82}H_{84}Cl_4N_8O_{30}$ M 1803.413

$[\alpha]_D^{25}$ −59° (c, 0.3 in H_2O).

Aridicin C

Ardacin C

$C_{83}H_{86}Cl_4N_8O_{30}$ M 1817.440

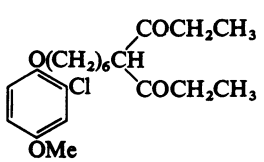
$[\alpha]_D^{25}$ −51° (c, 0.3 in H_2O).

Jeffs, P.W. *et al*, *J. Org. Chem.*, 1985, **50**, 1726 (*struct*)
Roberts, G.D. *et al*, *J. Antibiot.*, 1985, **38**, 713 (*ms, struct*)
Shearer, M.C. *et al*, *J. Antibiot.*, 1985, **38**, 555 (*isol*)
Sitrin, R.D. *et al*, *J. Antibiot.*, 1985, **38**, 561; 1986, **39**, 68 (*isol, ir, ms, struct*)
Chung, S.K. *et al*, *J. Antibiot.*, 1986, **39**, 642, 653 (*struct, biosynth*)
Jeffs, P.W. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 3063 (*struct, nmr, config*)
Chung, S.K. *et al*, *J. Org. Chem.*, 1987, **52**, 1606 (*derivs*)

Arildone, USAN, INN A-00444

4-[6-(2-Chloro-4-methoxyphenoxy)hexyl]-3,5-heptanedione, 9CI. Win 38020

[56219-57-9]



$C_{20}H_{29}ClO_4$ M 368.900

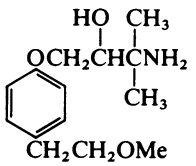
Antiviral agent. Mp 56-58°. $Bp_{0.05}$ 162-180°.

Diana, G.D. *et al*, *J. Med. Chem.*, 1977, **20**, 757 (*synth, pharmacol*)
Kucht, M.F. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 813 (*pharmacol*)
Benziger, D.P. *et al*, *Drug Metab. Dispos.*, 1981, **9**, 424 (*metab*)
McSharry, J.J. *et al*, *Handb. Exp. Pharmacol.*, 1982, **61**, 419 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18775.

Arnolol, INN A-00445

3-Amino-1-[4-(2-methoxyethyl)phenoxy]-3-methyl-2-butanol, 9CI

[87129-71-3]



$C_{14}H_{23}NO_3$ M 253.341

(±)-form

Sympatholytic agent. Used in treatment of glaucoma.

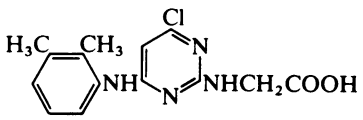
B,HCl: Cryst. (EtOAc). Mp 120-122°.

Eur. Pat., 82 461, (*1983*); *CA*, **99**, 121999 (*synth*)

Aronixil, INN A-00446

N-[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]glycine, 9CI. BR 971

[86627-15-8]



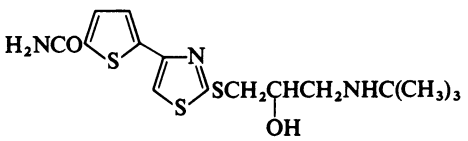
$C_{14}H_{15}ClN_4O_2$ M 306.751

Antilipidaemic agent. Cryst. (EtOAc). Mp 205-206°.

D'Atri, G. *et al*, *J. Med. Chem.*, 1984, **27**, 1621 (*synth, pharmacol*)

Arotinolol, INN A-00447

5-[2-[[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropyl]thio]-4-thiazolyl]-2-thiophenecarboxamide, 9CI. Tarotiolol



$C_{15}H_{21}N_3O_2S_3$ M 371.530

Needles ($CHCl_3$/pet. ether). Mp 148-149°.

(±)-form [68377-92-4]

β-Adrenergic blocking agent.

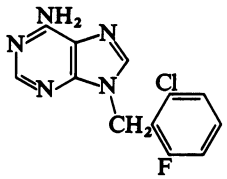
B,HCl: [68377-91-3]. *Almart. S-596.* Cryst. (MeOH aq.). Mp 234-235.5°.

Hara, Y. *et al*, *J. Pharm. Sci.*, 1978, **67**, 1334 (*synth, pharmacol*)
Nagatoma, T. *et al*, *Jpn. J. Pharmacol.*, 1984, **34**, 249 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18779.

Arprinocid, BAN, USAN, INN **A-00448**

9-[(2-Chloro-6-fluorophenyl)methyl]-9H-purin-6-amine, 9CI. Arpocox. MK 302

[55779-18-5]



$C_{12}H_9ClFN_5$ M 277.688

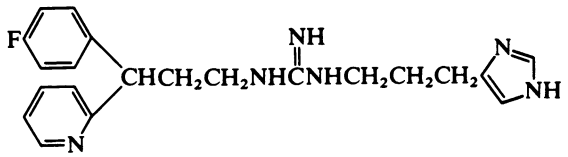
Coccidiostat. Cryst. (MeOH aq.). Mp 245-246°.

Hartman, G.D. *et al, J. Org. Chem.*, 1978, **43**, 960 (*synth, pmr*)
Bogan, J.A., *Drugs of Today*, 1980, **16**, 274 (*rev*)
Shinkai, I. *et al, J. Heterocycl. Chem.*, 1981, **18**, 197 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12015.

Arpromidine, INN **A-00449**

N-[3-(4-Fluorophenyl)-3-(2-pyridinyl)propyl]-N'-[3-(1H-imidazol-4-yl)propyl]guanidine, 9CI

[106669-71-0]



$C_{21}H_{25}FN_6$ M 380.467

Histamine H_1 receptor antagonist, H_2 receptor agonist.

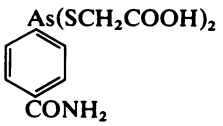
B,3HCl: [106669-72-1]. Hygroscopic cryst.

Eur. Pat., 199 845, (*1986*); *CA*, **106**, 84609g (*synth, pmr, ms, pharmacol*)

Arsenamide **A-00450**

2,2'-[[[4-(Aminocarbonyl)phenyl]arsinidene]bis[thio]]-bisacetic acid, 9CI. p-[*Bis(carboxymethylmercapto)-arsino]benzamide. Thiacetarsamide. Arsphenamide. Caparside. Caparsolate*

[531-72-6]



$C_{11}H_{12}AsNO_5S_2$ M 377.261

Anthelmintic for vet. use. Cryst. (H_2O). Mp 158-162°. pK_a 4. Also used as Na salt (Thiacetarsamide sodium, INN).

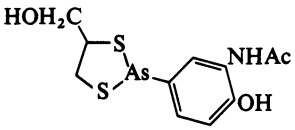
▷Toxic. AI6199900.

Gough, G.A.C. *et al, J. Chem. Soc.*, 1930, 669 (*synth*)
Maren, T.H., *J. Am. Chem. Soc.*, 1946, **68**, 1864 (*synth*)
Otto, G.F. *et al, Am. J. Hyg.*, 1950, **51**, 353, 385 (*pharmacol*)
McCarrol, N.E. *et al, Environ. Mutagen.*, 1981, **3**, 429; *CA*, **95**, 162879g (*tox*)

Arsthinol, INN **A-00451**

N-[[2-Hydroxy-5-(4-hydroxymethyl)-1,3,2-dithiarsolan-2-yl]phenyl]acetamide, 9CI. Cyclic(hydroxymethyl)-ethylene 3-acetamido-4-hydroxydithiobenzenearsonoate, 8CI. 3-Hydroxypropylene 3-acetamido-4-hydroxydithiobenzenearsonoate. Balarsen. Mercaptoarsenol

[119-96-0]



$C_{11}H_{14}AsNO_3S_2$ M 347.278

(±)-form

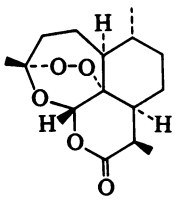
Antiprotozoal agent. Mp 163-166°.

U.S.P., 2 772 303, (*1956*); *CA*, **51**, 5836fg (*synth, pharmacol*)
Hiskey, C.F. *et al, J. Pharm. Sci.*, 1968, **57**, 2105 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4755.

Artemisinin, INN **A-00452**

Octahydro-3,6,9-trimethyl-3,12-epoxy-12H-pyrano[4,3-j]-1,2-benzodioxepin-10(3H)-one, 9CI. Arteannuin. ***Qinghaosu****. Qing Hau Sau. QHS*

[63968-64-9]



$C_{15}H_{22}O_5$ M 282.336

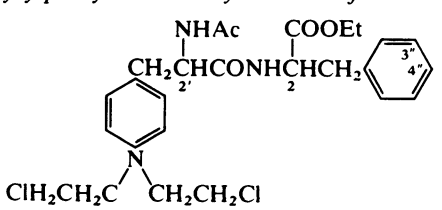
Constit. of *Artemisia annua*. Used as the Chinese herbal medicine, Qinghaosu, for treatment of malaria. Needles. Mp 156-157°. $[\alpha]_D^{17}$ +66.3°.

▷KD4170000.

Schmid, G. *et al, J. Am. Chem. Soc.*, 1983, **105**, 624 (*synth*)
Luo, X. *et al, Helv. Chim. Acta*, 1984, **67**, 1515.
Klayman, D.L., *Science (Washington)*, 1985, **228**, 1049 (*rev, pharmacol*)
Zhongshan, W. *et al, Can. J. Chem.*, 1985, **63**, 3070 (*pmr, cmr*)
Zhou, W.-S., *Pure Appl. Chem.*, 1986, **58**, 817 (*synth*)
El-Feraly, F.S. *et al, Phytochemistry*, 1986, **25**, 2777 (*biosynth*)
Klayman, D.L., *Science (Washington)*, 1985, **228**, 1049 (*rev, pharmacol*)
Gu, H. *et al, Int. Congr. Ser.-Excerpta Med.*, 1987, **750**, 657 (*rev, pharmacol*)
Luo, X.D. *et al, Med. Res. Rev.*, 1987, **7**, 29 (*rev, synth, struct, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12023.

Asaphan **A-00453**

N-[N-Acetyl-4-[bis(2-chloroethyl)amino]-phenylalanyl]phenylalanine ethyl ester, 9CI. N-*Acetyl-sarcolysylphenylalanine ethyl ester. Asafan*



$C_{26}H_{33}Cl_2N_3O_4$ M 522.470

▷AY3050000.

(2S,2'S)-form [10065-57-3]
L,L-form
Antineoplastic agent. Most active of the four stereoisomers. Mp 149-151°. $[\alpha]_D^{22}$ +42°.
▷AY3050000.

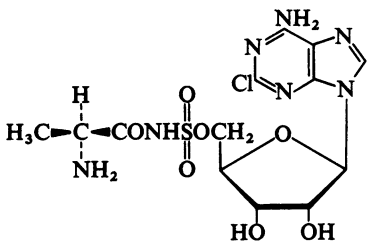
(2S,2'RS)-form
L,DL-form
4"-Hydroxy: [1620-24-2]. N-[N-*Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]tyrosine ethyl ester.* ***Astyron.*** *Astiron.*
$C_{26}H_{33}Cl_2N_3O_5$ M 538.470
Antineoplastic agent.

(2RS,2'RS)-form
DL,DL-form
3",4"-Dihydroxy: [5777-69-5]. N-[N-*Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-3,4-dihydroxyphenylalanine ethyl ester, 9CI.* ***Asdophan.*** *Asdofan.*
$C_{26}H_{33}Cl_2N_3O_6$ M 554.469
Antineoplastic agent.

Shkodinskaya, E.N. *et al, Zh. Obshch. Khim.*, 1962, **32**, 324 (*synth*)
Vardanyan, S.A. *et al, Vopr. Onkol.*, 1965, **11**, 45 (*pharmacol*)
Ginzburg, O.F. *et al, Zh. Obshch. Khim.*, 1969, **39**, 1168 (*Astyron Asdophan*)
Zaitseva, L.A. *et al, Farmakol. Toksikol.* (*Moscow*), 1970, **33**, 472 (*tox*)
Lopatin, P.V. *et al, Farmakol. Toksikol.* (*Moscow*), 1973, **36**, 479 (*Astyron*)
Smirnova, L.I. *et al, Zh. Obshch. Khim.*, 1978, **48**, 2604 (*synth, uv*)

Ascamycin A-00454

2-Chloroadenosine 5'-(2-amino-1-oxopropyl)sulfamate, 9CI
[91432-48-3]



$C_{13}H_{18}ClN_7O_7S$ M 451.841
Nucleoside antibiotic. Isol. from *Streptomyces alboniger.* Active against *Xanthomonas citri, X. oryzae* and *Mycobacterium phlei.* Needles (EtOH aq.). Mp >270° dec. $[\alpha]_D^{20}$ +2.34° (c, 1 in H_2O). pK_a 8.9 (H_2O).
Dealanyl: see 2-Chloroadenosine, C-00214

Isono, K. *et al, J. Antibiot.*, 1984, **37**, 670 (*isol, uv, ir, pmr, cmr*)
Osada, H. *et al, J. Antibiot.*, 1986, **39**, 286 (*props*)
Ubukata, M. *et al, Tetrahedron Lett.*, 1986, **27**, 3907 (*synth*)

Ascaridole A-00455

1-Methyl-4-(1-methylethyl)-2,3-dioxabicyclo[2.2.2]oct-5-ene, 9CI. Ascapurin. Ascarisin. Kebal II. Uncinacina
[512-85-6]

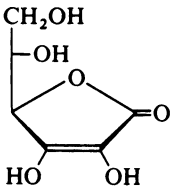


$C_{10}H_{16}O_2$ M 168.235
Main constit. of oil of *Chenopodium* spp. Anthelmintic. Oil. d_4^{20} 1.010. Mp 3.3°. Bp_{15} 115°, $Bp_{0.2}$ 39-40°. $[\alpha]_D$ 0°. Unstable.
▷Explodes on heating or on treatment with acids. Highly toxic. OT0175000.

Beckett, A.H. *et al, J. Pharm. Pharmacol.*, 1955, **7**, 55 (*purifn*)
Swern, D. *et al, Anal. Chem.*, 1969, **41**, 412 (*pmr*)
Bernhard, R.A. *et al, Phytochemistry*, 1971, **10**, 177 (*isol*)
Bohlmann, F. *et al, Org. Magn. Reson.*, 1975, **7**, 426 (*cmr*)
Haynes, R.K., *Aust. J. Chem.*, 1978, **31**, 131 (*synth*)
Masilamani, D. *et al, J. Org. Chem.*, 1983, **48**, 4918 (*synth*)
Zagorski, M.G. *et al, J. Org. Chem.*, 1985, **50**, 4484 (*cmr, O-17 nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 761.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 325.

Ascorbic acid, BAN, INN, USAN A-00456

threo-*Hex-2-enonic acid γ-lactone, 9CI, 8CI.* threo-*Hex-ulosono-1,4-lactone-2,3-enediol. Hexuronic acid*



L-form

$C_6H_8O_6$ M 176.126
D-form [10504-35-5]
Mp 190° dec. $[\alpha]_D^{18}$ −23° (c, 2.0 in H_2O), −48° (MeOH). Shows little antiscorbutic action.
L-form [50-81-7]
Vitamin C. *Ascorbicap. Cebione. Cenolate. Cevalin. Numerous proprietary names*
Occurs widely in animals and plants. Good sources are citrus fruits and hip berries. Isol. from ox adrenal cortex, lemons and paprika. Vitamin (antiscorbutic); urinary acidifier. Mp 190/192°. $[\alpha]_D^{25}$ + 24° (c, 1.0 in H_2O), $[\alpha]_D^{18}$ + 49° (MeOH). pK_{a1} 4.17, pK_{a2} 11.79.
▷CI7650000.
Brucine salt: Mp 216-217°.
Ca salt: $[\alpha]_D^{10}$ +91° (c, 0.3 in H_2O).
Na salt: Sodium ascorbate, INN. $[\alpha]_D$ +24° (c, 3.0 in H_2O).
Phenylhydrazone: Mp 216°.
5,6-O-Cyclohexylidene: 5,6-O-Cyclohexylidene-L-threo-hex-2-enono-1,4-lactone.
$C_{12}H_{16}O_6$ M 256.255
Mp 185°. $[\alpha]_D$ +37.0° (c, 2.0 in MeOH).
5,6-O-Isopropylidene: 5,6-O-Isopropylidene-L-threo-hex-2-enono-1,4-lactone.
$C_9H_{12}O_{10}$ M 280.188
Mp 220-222°. $[\alpha]_D^{20}$ +14° (c, 0.5 in EtOH).
2,3-Di-Me:
$C_8H_{12}O_6$ M 204.179
Mp 59° (hydrate). $[\alpha]_D$ +32° (MeOH).

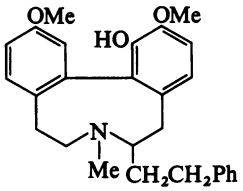
Herbert, R.W. *et al, J. Chem. Soc.*, 1933, 1270.
Reichstein, T. *et al, Helv. Chim. Acta*, 1934, **17**, 311 (*synth*)
Hirst, E.L., *Fortschr. Chem. Org. Naturst.*, 1939, **2**, 132.
Hvoslef, J., *Acta Crystallogr., Sect. B*, 1969, **25**, 2214 (*cryst struct*)
Sadtler Standard Spectra, 1972, No. 3126 (*pmr*)
Berger, S., *Tetrahedron*, 1977, **33**, 1587 (*cmr*)
Crawford, T.C. *et al, Adv. Carbohydr. Chem.*, 1980, **37**, 7 (*rev*)
Al-Meshal, I.A. *et al, Anal. Profiles Drug Subst.*, 1982, **11**, 45 (*rev*)
Sieb, P.A. *et al, Ascorbic Acid Chemistry, Metabolism and Uses, A.C.S. Adv. Chem. Ser.*, 1982, **200**.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 391.

Asocainol, INN A-00457

6,7,8,9-Tetrahydro-2,12-dimethoxy-7-methyl-6-phenethyl-5H-dibenz[d,f]*azonin-1-ol*

[77400-65-8]



$C_{27}H_{31}NO_3$ M 417.547

(+)-form

Antiarrhythmic agent.

B,HCl: [79989-27-8]. Cryst. (2-propanol). Mp 227.6°.

Ger. Pat., 3 007 710, (*1981*); *CA*, **96**, 35125d (*synth, pharmacol*)

Asparaginase, 9CI, USAN A-00458

Crisantaspase, BAN. *Colaspase. Asparagine amidohydrolase. Crasnitin. Elspar. Kidrolase. Leucogen. Leunase. MK 965. NSC 109229. Re 82-TAD-15. Asnase*

[9015-68-3]

Antineoplastic enzyme isol. from *Escherichia coli.* Antileukaemic agent. Cryst. powder. Sol. H_2O. $[\alpha]_D^{20}$ −30° to −32° (H_2O).

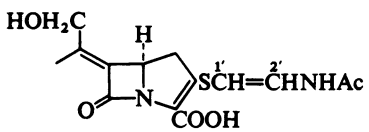
▷CI9000000.

Tower, D.B. *et al, J. Biol. Chem.*, 1963, **238**, 983 (*synth*)
Ho, P.P.K. *et al, J. Biol. Chem.*, 1970, **245**, 3708 (*synth*)
Wriston, J.C., *Enzymes*, 3rd Ed., 1971, **4**, 101; *Adv. Enzymol. Relat. Areas Mol. Biol.*, 1973, **39**, 185 (*rev*)
Lee, B. *et al, J. Biol. Chem.*, 1973, **248**, 7620 (*cryst struct*)
Itai, A. *et al, J. Mol. Biol.*, 1976, **105**, 321 (*cryst struct*)
Capizzi, R.L. *et al, Enzymes as Drugs*, 1981, 1 (*rev*)
Charles, L.M. *et al, Cancer Treat. Rep.*, 1981, **65**, 39, 47, 111 (*revs*)
Wlodawer, A., *J. Mol. Biol.*, 1985, **184**, 179 (*cryst struct*)

Asparenomycin C A-00459

PA 39504X3. Antibiotic PA 39504X3

[81018-71-5]



$C_{14}H_{16}N_2O_5S$ M 324.351

Isol. from *Streptomyces tokunonensis* and *S. argenteolus*. Active against gram-negative and -positive bacteria, β-lactamase inhibitor. $[\alpha]_D^{22}$ −210.8° (c, 0.536 in 10mM phosphate buffer). λ_{max} 234 and 296 nm. Unstable at pH<5.0 and pH>10.0.

Na salt: Amorph. powder. Mp >150° dec.

S-*Oxide:* [76466-24-5]. ***Asparenomycin A.*** *PA 31088IV. Antibiotic PA 31088IV.*

$C_{14}H_{16}N_2O_6S$ M 340.350

From *S. tokunonensis* and *S. argenteolus*. Amorph. powder. $[\alpha]_D^{22}$ −210.8° (c, 0.536 in phosphate buffer, pH 7). Dec. gradually >150°.

1',2'-Dihydro, S-*oxide:* [79366-72-6]. ***Asparenomycin B.*** *PA 39504X1. Antibiotic PA 39504X1.*

$C_{14}H_{18}N_2O_6S$ M 342.366

From *S. tokunonensis* and *S. argenteolus*. λ_{max} 239 and 300 (sh) nm.

Shoji, J. *et al, J. Antibiot.*, 1982, **35**, 10, 15 (*isol*)
Tsuji, N. *et al, J. Antibiot.*, 1982, **35**, 24 (*struct, nmr*)
Kimura, Y. *et al, J. Antibiot.*, 1982, **35**, 32 (*props*)
Murakami, K. *et al, J. Antibiot.*, 1982, **35**, 39 (*props*)
Okano, K. *et al, J. Am. Chem. Soc.*, 1983, **105**, 7186 (*synth*)
Buynak, J.D. *et al, J. Org. Chem.*, 1985, **50**, 4245 (*synth*)
Yoshida, T. *et al, Chem. Pharm. Bull.*, 1985, **33**, 4346, 4361, 4371 (*synth*)

Aspartame, USAN A-00460

N-α-*Aspartylphenylalanine 1-methyl ester,* 9CI. N-α-*Aspartyl-3-phenylalanine methyl ester. Methyl aspartylphenylalanine. Nutrasweet. α-APM. SC-18862*

$HOOCCH_2CH(NH_2)CONHCH(CH_2Ph)COOMe$

$C_{14}H_{18}N_2O_5$ M 294.307

D-D-form

Mp 190° and 244-245° (double Mp). $[\alpha]_D$ ±0° (H_2O).

D-L-form

Cryst. (H_2O). Mp 159-160° and 212-213° (double Mp). $[\alpha]_D$ −18° (c, 1 in H_2O).

L-D-form [22839-65-2]

Cryst. (H_2O). Mp 157-159° and 212-213° (double Mp). $[\alpha]_D$ +19° (c, 1 in H_2O).

L-L-form [22839-47-0]

Canderel

Compd. with 100 times the sweetness of sucrose. Artifical sweetener. Cryst. (EtOH aq. or H_2O). Mp 190° and 245-247° (double Mp) (235-236° dec.). $[\alpha]_D$ ±0° (H_2O), $[\alpha]_D^{22}$ +32.0° (c, 1 in AcOH).

▷WM3407000.

B,HCl: [5910-52-1]. Mp 127-128° dec. (partly melts at 103°). $[\alpha]_D^{25}$ +1.3° (c, 2 in H_2O).

B,HBr: [36771-92-3]. Mp 155° dec. $[\alpha]_D^{25}$ +1.0° (c, 2 in H_2O).

Neuman, H., *Drugs of Today*, 1980, **16**, 63 (*rev*)
Shvachkin, Y.P. *et al, Zh. Obshch. Khim.*, 1982, **52**, 2791 (*synth*)
Stegink, L.D. *et al, Food Science and Technol. Vol. 12*, Dekker, N.Y., 1984 (*book*)
Hatada, M. *et al, J. Am. Chem. Soc.*, 1985, **107**, 4279 (*cryst struct*)
Renwick, A.G., *Food Chem.*, 1985, **16**, 281 (*metab*)
Tou, J.S. *et al, J. Org. Chem.*, 1985, **50**, 4982 (*synth*)
Fuganti, C. *et al, J. Org. Chem.*, 1986, **51**, 1126 (*synth*)
Görbitz, C.H., *Acta Crystallogr., Sect. C*, 1987, **41**, 87 (*cryst struct*)

N^{β}-Aspartylglutamic acid A-00461

$HOOCCH(NH_2)CH_2CONHCH(COOH)CH_2CH_2COOH$

$C_9H_{14}N_2O_7$ M 262.219

L-L-form [68006-14-4]

Extremely hygroscopic.

N-*Ac:* [4910-46-7]. ***Spaglumic acid, INN.***

$C_{11}H_{16}N_2O_8$ M 304.256

Sedative, used as Ca salt. Mp 115-116° dec. $[\alpha]_D^{24}$ −37.5° (c, 2 in H_2O).

Le Quesne, W.J. *et al, J. Chem. Soc.*, 1952, 24.
Losse, G. *et al, Chem. Ber.*, 1964, **97**, 1789.
Marchetti, E. *et al, Ann. Chim. (Rome)*, 1967, **57**, 624 (*synth, pharmacol*)
Ger. Pat., 2 500 802, (*1975*); *CA*, **83**, 179624v (*synth, pharmacol*)

Aspergillomarasmines A-00462

$HOOCCH_2CH(COOH)NHCH_2CH(COOH)NHCH_2R$, Aspergillomarasmine A, R = $CH(NH_2)COOH$, Aspergillomarasmine B, R = COOH

Aspergillomarasmine A [3484-65-9]

N-[2-[(2-*Amino-2-carboxyethyl*)*amino*]-2-*carboxyethyl*]-L-*aspartic acid*, 9CI

$C_{10}H_{17}N_3O_8$ M 307.260

Metab. of *Aspergillus flavus*. Phytotoxic to cotton and tomato plants. Mp 230-236° dec. $[\alpha]_D^{20}$ −48° (phosphate buffer at pH 7.0).

Aspergillomarasmine B [3262-58-6]

N-[2-*Carboxy*-2-[(*carboxymethyl*)*amino*]*ethyl*]*aspartic acid. Lycomarasmic acid. Angiostatin*

$C_9H_{14}N_2O_8$ M 278.218

Metab. of *A. flavus*, also of *Diheterospora*, *Verticillium* and *Nectria* spp. Phytotoxic; inhibitor of Angiotensin-converting enzyme. Antiinflammatory. Mp 221-231° (215-220°) dec. $[\alpha]_D$ −20° (phosphate buffer at pH 7.0). Identity of Angiostatin and Lycomarasmic acid not definitely established.

Tetra-Me ester: Oil.

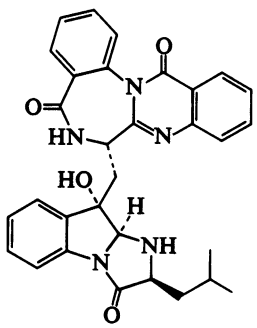
(±)-*Aspergillomarasmine B*

Cryst. Mp 225-235° dec. (softens at 215°).

Barter, M. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 187.
Bogdanovsky, O. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 832 (*synth*)
Haenni, A.L. *et al*, *Helv. Chim. Acta.*, 1965, **48**, 729 (*struct*)
Japan. Pat., 83 36 391, (*1983*); *CA*, **99**, 20904 (*Angiostatin*)
Mikami, Y. *et al*, *Agric. Biol. Chem*, 1983, **47**, 2693 (*isol, props*)

Asperlicin A-00463

[93413-04-8]



$C_{31}H_{29}N_5O_4$ M 535.601

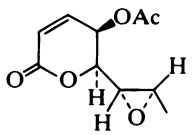
Isol. from *Aspergillus alliaceus*. A nonpeptide cholecystokinin antagonist used for treatment of gastrointestinal and CNS disorders. Cryst. (MeOH). Mp 211-213°. $[\alpha]_D^{26.5}$ −185.3° (c, 1.1 in MeOH). Related to the Tryptoquivalines.

Albers-Schönberg, G. *et al*, *CA*, 1985, **104**, 205424 (*rev*)
Chang, R.S.L. *et al*, *J. Antibiot.*, 1985, **38**, 1633, 1638 (*isol, uv, ir, pmr, cmr, struct*)
Chang, R.S.L. *et al*, *Science*, 1985, **230**, 177 (*isol, props*)

Asperlin A-00464

*6,7-Anhydro-2,3,8-trideoxy-D-*galacto-*oct-2-enonic acid δ-lactone 4-acetate*, 10CI. *5-(Acetyloxy)-5,6-dihydro-6-(3-methyloxiranyl)-2H-pyran-2-one*, 9CI. *NSC 93158. U 13933. Antibiotic U 13933. 4-Acetoxy-6,7-epoxy-2-octen-5-olide*

[30387-51-0]



$C_{10}H_{12}O_5$ M 212.202

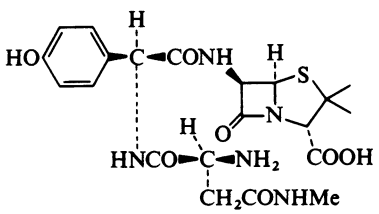
Prod. by *Aspergillus nidulans*. Active against gram-positive and -negative bacteria, fungi and protozoa. Cryst. (EtOAc/hexane). Mp 71-73°. $[\alpha]_D^{25}$ +345° (c, 0.9 in 95% EtOH aq.). The stereochem. shown is tentative. The abs. config. is not well established and the most recent paper contains confusing information.

Argoudelis, A.D. *et al*, *Tetrahedron Lett.*, 1966, 1969 (*struct, isol, ir, nmr*)
Tanabe, M. *et al*, *J. Am. Chem. Soc.*, 1971, **93**, 273 (*nmr, ms, biosynth*)
Fukuyama, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1978, **51**, 3175 (*abs config, cryst struct*)
Lesage, S. *et al*, *Can. J. Chem.*, 1978, **56**, 2889 (*synth, pmr, cmr, ir, ms*)
Hiraoka, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1984, **57**, 2777 (*synth*)
Dais, P. *et al*, *Can. J. Chem.*, 1985, **58**, 1009 (*pmr*)
Murayama, T. *et al*, *Agric. Biol. Chem.*, 1986, **50**, 1923 (*synth*)
Valverde, S. *et al*, *Can. J. Chem.*, 1987, **65**, 339 (*synth, abs config*)

Aspoxicillin, INN A-00465

Aspaxicillin. TA 058

[63358-49-6]



$C_{21}H_{27}N_5O_7S$ M 493.534

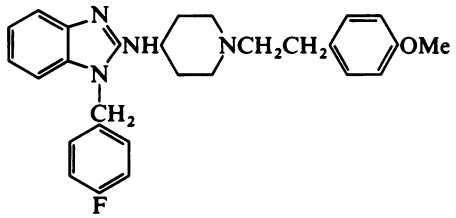
Antimicrobial agent for animals. Powder. Mp 198-201° dec.

Ger. Pat., 2 638 067, (*1977*); *CA*, **87**, 68344 (*synth*)
Wagatsuma, M. *et al*, *J. Antibiot.*, 1983, **36**, 147 (*synth, props*)
Tani, K. *et al*, *Chemotherapy (Tokyo)*, 1984, **32**, Suppl. 2 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1960.

Astemizole, BAN, INN, USAN **A-00466**

1-[(4-Fluorophenyl)methyl]-N-[1-[2-(4-methoxyphenyl)ethyl]]-4-piperidinyl-1H-benzimidazol-2-amine, 9CI. *Alermizol. Hismanal. Lembil. Mildurgen. Vagran. R 43512*

[68844-77-9]



$C_{28}H_{31}FN_4O$ M 458.578

Antihistamine. Cryst. Mp 149.1°.

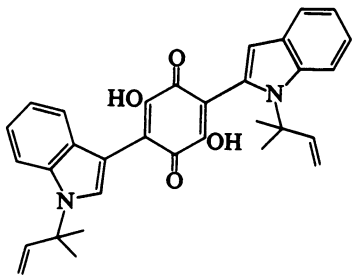
▷DD8968000.

Awouters, F.H.L. *et al, Arzneim.-Forsch.*, 1983, **33**, 381 (*rev, pharmacol*)
Richards, D.M. *et al, Drugs*, 1984, **28**, 38 (*rev, pharmacol*)
Janssens, F. *et al, J. Med. Chem.*, 1985, **28**, 1934 (*synth, pharmacol*)
Emanuel, M.B., *Med. Actual.*, 1986, **22**, 39 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12403.

Asterriquinone **A-00467**

2,5-Bis[1-(1,1-dimethyl-2-propenyl)-1H-indol-3-yl]-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dione, 9CI. *NSC 289487*

[60696-52-8]



$C_{32}H_{30}N_2O_4$ M 506.600

Benzoquinone antibiotic. Metab. of *Aspergillus terreus*. Antineoplastic. Dark-purple needles (MeOH). Mp 218-220° dec.

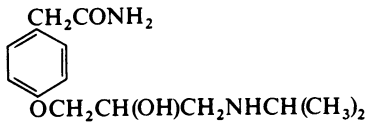
Di-Me ether: [60924-75-6]. ***Asterriquinone* A1**.
$C_{34}H_{34}N_2O_4$ M 534.654
Metab. of *A. terreus* var. *africanus*. Purple needles (EtOH). Mp 168°.

Kiriyama, N. *et al, Chem. Pharm. Bull.*, 1976, **24**, 1853 (*isol, uv, ir, pmr, cmr, ms, struct*)
Arai, K. *et al, Chem. Pharm. Bull.*, 1981, **29**, 961, 991, 1005 (*derivs*)
Shimizu, S. *et al, Gann.*, 1982, **73**, 642; *Chem. Pharm. Bull.*, **30**, 1896 (*props*)

Atenolol, BAN, USAN, INN, JAN **A-00468**

4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-benzeneacetamide, 9CI. *Tenormin. Numerous proprietary names*

[29122-68-7]



$C_{14}H_{22}N_2O_3$ M 266.339

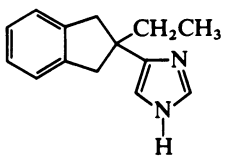
β-Adrenergic blocker. Mp 146-148°.

▷AC3600000.

B.P., 1 391 444, (*1975*); *CA*, **83**, 96783v (*synth*)
Brown, H.C. *et al, Clin. Pharmacol. Ther.*, 1976, **20**, 524 (*pharmacol*)
Fitzgerald, J.D., *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 98 (*rev, pharmacol*)
Heel, R.C. *et al, Drugs*, 1979, **17**, 425 (*rev*)
Marmo, E., *Drugs Exp. Clin. Res.*, 1980, **6**, 639 (*rev*)
Čaplar, V. *et al, Acta Pharm. Jugosl.*, 1983, **33**, 71; *CA*, **99**, 187098 (*rev, props*)
Robertson, J.I.S. *et al, Drugs, Vol. 25, Suppl. 2, β-Blockade in the 1980s: Focus on Atenolol*, ADIS Press, N.Y., 1983 (*book*)
Čaplar, V. *et al, Anal. Profiles Drug Subst.*, 1984, **13**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3332 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6304.

Atipamezole, INN **A-00469**

4-(2-Ethyl-2,3-dihydro-1H-inden-2-yl)-1H-imidazole, 9CI. *MPV 1248*



$C_{14}H_{16}N_2$ M 212.294

(±)-form [104054-27-5]

α_2-Antagonist.

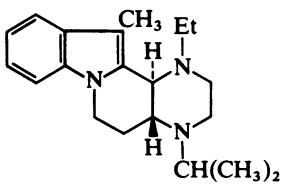
B,HCl: Mp 211-215°.

Eur. Pat., 183 492, (*1986*); *CA*, **105**, 115070 (*synth, pharmacol*)

Atiprosine, INN **A-00470**

1-Ethyl-1,2,3,4,4a,5,6,12b-octahydro-12-methyl-4-(1-methylethyl)pyrazino[2',3':3,4]pyrido[1,2-a]indole, 9CI

[89303-63-9]



$C_{20}H_{29}N_3$ M 311.469

Antihypertensive agent. Cryst. (2-propanol). Mp 79-80°.

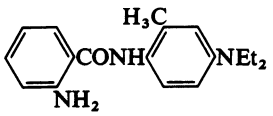
B,2HBr: [93797-94-5]. Cryst. (MeOH). Mp 229-230°.
Maleate (1:1): [89303-64-0]. *Atiprosin maleate, USAN. AY 28288.* Cryst. (EtOAc). Mp 185-187°.

Grimes, D. *et al, J. Cardiovasc. Pharmacol.*, 1987, **10**, 249, 341 (*pharmacol*)
Jirkovsky, I. *et al, J. Med. Chem.*, 1987, **30**, 388 (*synth, pharmacol*)

Atolide, USAN, INN A-00471

2-Amino-N-[4-(diethylamino)-2-methylphenyl]-benzamide, 9CI. 2-Amino-4'-(diethylamino)-o-benzotoluidide, 8CI. Gö 1213. W 5733

[16231-75-7]

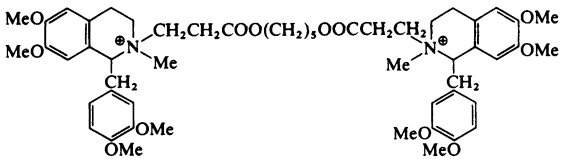


$C_{18}H_{23}N_3O$ M 297.399

Anticonvulsant used for treatment of epilepsy. Mp 152°.

B.P., 1 123 457, (*1968*); *CA*, **69**, 96295y (*synth, pharmacol*)

Atracurium(2+) A-00472



$C_{53}H_{72}N_2O_{12}^{\oplus\oplus}$ M 929.158 (ion)

Neuromuscular blocking agent.

Bis(benzenesulfonate): [64228-81-5]. *Atracurium besylate, BAN, INN, USAN. Tracrium. 33 A74.*
$C_{65}H_{82}N_2O_{18}S_2$ M 1243.485
Off-white powder. Mp 85-90°. Softens at 60°.

Ger. Pat., 2 655 883, (*1977*); *CA*, **87**, 152448m (*synth, pharmacol*)
Stenlake, J.B. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 515 (*synth*)
Neill, E.A. *et al, Xenobiotica*, 1982, **12**, 203 (*metab*)
Connor, C.S., *Drug. Intell. Clin. Pharm.*, 1984, **18**, 714 (*rev, pharmacol*)
Miller, R.D. *et al, Anesthesiology*, 1984, **61**, 444 (*rev, pharmacol*)
Payne, J.P., *Semin. Anesth.*, 1984, **3**, 303 (*rev*)
Hughes, R., *Br. J. Anaesth.*, 1986, **58**, 2S (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12405.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8322.

Atriopeptin A-00473

Atrial natriuretic factor. Cardiac natriuretic hormone. Cardionatrin

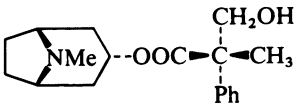
[85637-73-6]

Peptide hormone containing 28 amino acid residues. Isol. from blood plasma. Renal vasodilator. Natriuretic and antihypertensive agent.

Sagnella, G.A. *et al, Trends Biochem. Sci.*, 1986, **11**, 299 (*rev*)
Thibault, G. *et al, Drugs*, 1986, **31**, 369 (*rev*)
De Bold, A.J. *et al, Can. J. Physiol. Pharmacol.*, 1987, **65**, 2007, 2013, 2021 (*revs*)
Espiner, E.A. *et al, Clin. Endocrinol. (Oxford)*, 1987, **26**, 637 (*rev*)
Singer, D.R.J. *et al, Postgrad. Med. J.*, 1987, **63**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3930.

Atromepine, INN A-00474

α-(Hydroxymethyl)-α-methylbenzenacetic acid 8-methylazabicyclo[3.2.1]oct-3-yl ester, 9CI. 3α-Tropanyl 2-methyl-2-phenylhydracrylate. Analgispan. Dispan. Levomepate. Normospas. TMT



(3S-endo)-form

$C_{18}H_{25}NO_3$ M 303.400

[3(S)-endo]-form [428-07-9]

Anticholinergic agent.

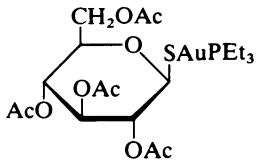
B,HCl: [14641-96-4]. Cryst. (EtOAc). Mp 210-212°. $[\alpha]_D^{20}$ −6.8°.

▷MU4800000.

Maffii, G. *et al, Nature (London)*, 1960, **185**, 844 (*pharmacol*)
Melone, G. *et al, J. Org. Chem.*, 1960, **25**, 859 (*synth*)
Scarselli, V. *et al, J. Med. Chem.*, 1964, **7**, 237 (*synth*)
Bianchi, G. *et al, Toxicol. Appl. Pharmacol.*, 1967, **10**, 424 (*pharmacol*)
Roblet, A. *et al, Therapie*, 1968, **23**, 601 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12406.

Auranofin, BAN, INN, USAN A-00475

S-2,3,4,5-Tetraacetyl-1-thioglucopyranosato (triethylphosphine)gold. [1-Thioglucopyranose-2,3,4,6-tetrakis(methylcarbamato)-S]-triethylphosphinegold, 10CI. Ridaura. SKF D-39162



$C_{20}H_{34}AuO_9PS$ M 678.483

β-D-form [34031-32-8]

Antiarthritic drug; also possesses antineoplastic activity. Cryst. Mp 110-111°. $[\alpha]_D^{25}$ −55.3° (c, 1 in MeOH).

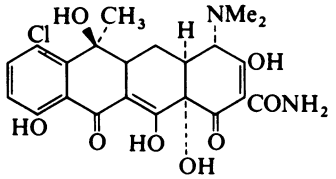
▷MD6500000.

Sutton, B.M. *et al, J. Med. Chem.*, 1972, **15**, 1095 (*synth, pharmacol, tox*)
Sadler, P.J., *Struct. Bonding (Berlin)*, 1976, **29**, 171 (*rev*)
Walz, D.T. *et al, J. Pharmacol. Exp. Ther.*, 1976, **197**, 145.
U.S.P., 4 124 759, (*1979*); *CA*, **90**, 104297b (*synth*)
Brown, D.H. *et al, Chem. Soc. Rev.*, 1980, **9**, 217 (*rev*)
Hill, D.T. *et al, Cryst. Struct. Commun.*, 1980, **9**, 676 (*cryst struct*)
B.P., 1 586 996, (*1981*); *CA*, **95**, 169697e (*synth*)
Brown, K. *et al, J. Am. Chem. Soc.*, 1981, **103**, 4943 (*mössbauer*)
Capell, H.A. *et al*, Eds., *Curr. Clin. Practice Series, Vol. 7: Auranofin*, Excerpta Medica, Amsterdam, 1983 (*book*)
Razi, M.T. *et al, J. Chem. Soc., Dalton Trans.*, 1983, 1331 (*pmr, cmr, P-31 nmr*)
Chaffman, M.D. *et al, Drugs*, 1984, **27**, 378 (*rev, pharmacol*)
Snyder, R.M. *et al, Serum. Arthritis Rheum.*, 1987, **17**, 71 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5293.

Aureomycin A-00476

7-Chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, 9CI. Chlorotetracycline. ***Chlortetracycline, INN****. Biomycin. Duomycin. NSC 13252. Numerous proprietary names*

[57-62-5]



$C_{22}H_{23}ClN_2O_8$ M 478.885

Tetracycline antibiotic. Isol. from *Streptomyces aureofaciens, S. alboflavus, S. psammaticus* and *S. sayamaensis*. Widely used antiprotozoal and antibacterial antibiotic used in undulant fever, pneumonia, sinusitis and bacterial endocarditis. Golden-yellow cryst. Sl. sol. H_2O, EtOH, C_6H_6, insol. Et_2O. Mp 168-169°. $[\alpha]_D^{23}$ −275° (MeOH).

▷QI7750000.

B,HCl: [64-72-2]. *Chlortetracycline hydrochloride, USAN, BAN. Aureocort. Trimorate.* Yellow cryst. Mp >210° dec. $[\alpha]_D^{23}$ −240° (H_2O).

▷QI7800000.

Sulfate: Chlortetracycline bisulfate, USAN.

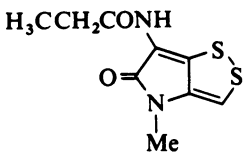
Compd. with N,N′*-Dibenzylethylenediamine (2:1):* [1111-27-9]. *Dibiomycin.*

Stephens, C.R. *et al, J. Am. Chem. Soc.*, 1952, **74**, 4976 (*struct*)
Woodward, R.B. *et al, J. Am. Chem. Soc.*, 1954, **76**, 3568 (*struct, uv*)
Dobrynin, V.N. *et al, Tetrahedron Lett.*, 1962, 901 (*abs config*)
Donohue, J. *et al, J. Am. Chem. Soc.*, 1963, **85**, 851 (*cryst struct, conformn*)
Hansen, P.E., *Diss. Abstr. Int. B*, 1971, **31**, 7158; *CA*, **75**, 110092 (*synth*)
Asleson, G.L. *et al, J. Am. Chem. Soc.*, 1975, **97**, 6246 (*cmr*)
Boggs, R.R., *J. Cryst. Mol. Struct.*, 1979, **8**, 35 (*cryst struct*)
Schwartzman, G., *Anal. Profiles Drug Subst.*, 1979, **8**, 101 (*rev*)
Casy, A.F. *et al, Magn. Reson. Chem.*, 1985, **23**, 767 (*pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6484.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 52.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 786.

Aureothricin A-00477

N-*(4,5-Dihydro-4-methyl-5-oxo-1,2-dithiolo[4,3-b]-pyrrol-6-yl)propanamide, 9CI, 8CI. Propionylpyrrothione. Farcinicin*

[574-95-8]



$C_9H_{10}N_2O_2S_2$ M 242.310

Isol. from *Streptomyces* spp. Antibiotic active against gram-positive and -negative bacteria and fungi including plant pathogens. Golden-yellow cryst. (EtOAc). Mp 260-270° dec. Related to Holomycin and Thiolutin.

Celmer, W.D. *et al, J. Am. Chem. Soc.*, 1952, **74**, 6304 (*isol, struct, uv, ir*)
Schmidt, U. *et al, Angew. Chem., Int. Ed. Engl.*, 1962, **1**, 265 (*synth*)
Yamagishi, S. *et al, Yakugaku Zasshi*, 1971, **91**, 351 (*isol, struct, ir, ms, nmr*)
Hagio, K. *et al, Bull. Chem. Soc. Jpn.*, 1974, **47**, 1484 (*synth, ir, uv, nmr*)
Furumai, T. *et al, J. Antibiot.*, 1982, **35**, 1367 (*isol*)

Aurothioglycanide, INN A-00478

(2-Mercaptoanilidato-S)gold. Lauron

[16925-51-2]

$PhNHCOCH_2SAu$

C_8H_8AuNOS M 363.184

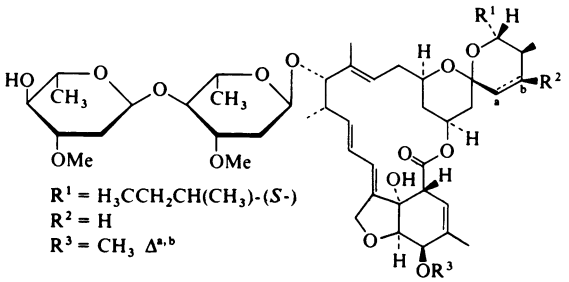
Antiarthritic agent. Greyish-yellow powder. Insol. most solvs. Mp 238-241°. Used as suspension in sesame oil.

U.S.P., 2 451 841, (*1948*); *CA*, **43**, 1913 (*synth, pharmacol*)
Margolis, H.M. *et al, Am. J. Med. Sci.*, 1949, **218**, 121; *CA*, **44**, 3154 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5295.

Avermectin A_{1a}, 9CI A-00479

C 076A$_{1a}$. Antibiotic C 076A$_{1a}$

[65195-51-9]



$C_{49}H_{74}O_{14}$ M 887.115

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic. Active against *Nematospirodes dubius* in mice. $[\alpha]_D^{27}$ +68.5° (c, 0.77 in $CHCl_3$).

Burg, R.W. *et al, Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Campbell, W.C. *et al, CA*, 1979, **91**, 32780z (*props*)
Chabala, J.C. *et al, J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al, J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Cane, D.E. *et al, J. Am. Chem. Soc.*, 1983, **105**, 4110 (*biosynth*)
Davies, H.G. *et al, Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin A_{1b} A-00480

C 076A$_{1b}$. Antibiotic C 076A$_{1b}$

[65195-52-0]

As Avermectin A_{1a}, A-00479 with

$R^1 = -CH(CH_3)_2$, $R^2 = H$, $R^3 = CH_3$, $\Delta^{a,b}$

$C_{48}H_{72}O_{14}$ M 873.088

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic.

Burg, R.W. *et al, Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Chabala, J.C. *et al, J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al, J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Davies, H.G. *et al, Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin A_{2a} **A-00481**

C 076A_{2a}. Antibiotic C 076A_{2a}

[65195-53-1]

As Avermectin A_{1a}, A-00479 with

$R^1 = H_3CCH_2C(CH_3)$- (*S*)-, R^2 = OH, $R^3 = CH_3$

$C_{49}H_{76}O_{15}$ M 905.130

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic. $[\alpha]_D^{27}$ +48.8° (c, 1.64 in $CHCl_3$).

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Cane, D.E. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 4110 (*biosynth*)
Prashad, M. *et al*, *J. Org. Chem.*, 1985, **50**, 1564 (*synth*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin A_{2b} **A-00482**

C 076A_{2b}. Antibiotic C 076A_{2b}

[65195-54-2]

As Avermectin A_{1a}, A-00479 with

$R^1 = -CH(CH_3)_2$, R^2 = OH, $R^3 = CH_3$

$C_{48}H_{74}O_{15}$ M 891.104

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic.

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin B_{1a} **A-00483**

5-O-Demethylavermectin A_{1a}, 9CI. C 076B_{1a}. Antibiotic C 076B_{1a}

[65195-55-3]

As Avermectin A_{1a}, A-00479 with

$R^1 = H_3CCH_2CH(CH_3)$- (*S*-), $R^2 = R^3$ = H, $\Delta^{a,b}$

$C_{48}H_{72}O_{14}$ M 873.088

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic. Active against *Nematospiroides dubius* in mice. $[\alpha]_D^{27}$ +55.7° (c, 1.06 in $CHCl_3$). Component of Abamectin, INN.

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Campbell, W.C. *et al*, *CA*, 1979, **91**, 32780z (*props*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Springer, J.P. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4221 (*abs config, cryst struct*)
Mrozik, H. *et al*, *Tetrahedron Lett.*, 1982, **23**, 2377 (*synth*)
Cane, D.E. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 4110 (*biosynth*)
Nicolaou, K.C. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 4189 (*synth*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin B_{1b} **A-00484**

C 076B_{1b}. Antibiotic C 076B_{1b}

[65195-56-4]

As Avermectin A_{1a}, A-00479 with

$R^1 = H_3CCH_2CH(CH_3)$-, $R^2 = R^3$ = H, $\Delta^{a,b}$

$C_{47}H_{70}O_{14}$ M 859.062

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic. Component of Abamectin, INN.

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Baker, R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 309 (*synth*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin B_{2a} **A-00485**

C 076B_{2a}. Antibiotic C 076B_{2a}

[65195-57-5]

As Avermectin A_{1a}, A-00479 with

$R^1 = H_3CCH_2C(CH_3)$- (*S*-), R^2 = OH, R^3 = H

$C_{48}H_{74}O_{15}$ M 891.104

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic. Active against *Nematospiroides dubius* in mice. $[\alpha]_D^{27}$ +38.3° (c, 0.87 in $CHCl_3$).

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Campbell, W.C. *et al*, *CA*, 1979, **91**, 32780z (*props*)
Blair, L.S. *et al*, *CA*, 1979, **91**, 68440c (*props*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Cane, D.E. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 4110 (*biosynth*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avermectin B_{2b} **A-00486**

C 076B_{2b}. Antibiotic C 076B_{2b}

[65195-58-6]

As Avermectin A_{1a}, A-00479 with

$R^1 = -CH(CH_3)_2$, R^2 = OH, R^3 = H

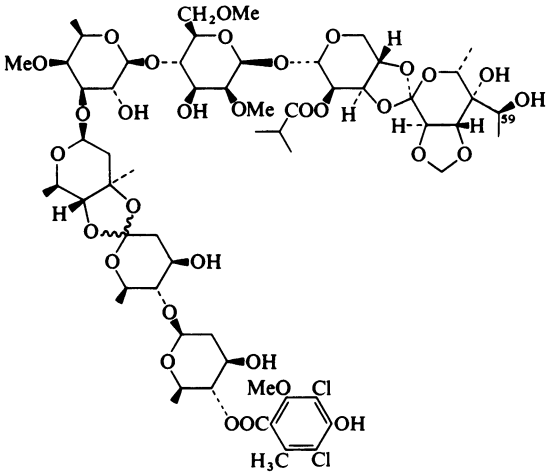
$C_{47}H_{72}O_{15}$ M 877.077

Macrolide-type antibiotic. Isol. from *Streptomyces avermitilis*. Anthelmintic.

Burg, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 361, 638 (*isol*)
Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)
Albers-Schoenberg, G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4216 (*cmr, ms, struct*)
Baker, R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 309 (*synth*)
Davies, H.G. *et al*, *Nat. Prod. Reports*, 1986, **3**, 87 (*rev*)

Avilamycin *C* A-00487

[69787-80-0]



$C_{61}H_{90}Cl_2O_{32}$ M 1406.269

Major component of polyether-type antibiotic complex which consists of 16 components. Isol. from *Streptomyces viridochromogenes*. Active against gram-positive bacteria. Fine plates + $2H_2O$. Mp 188-189°. $[\alpha]_D$ −4.8° (c, 1.44 in $CHCl_3$).

59-Ketone: [69787-79-7]. ***Avilamycin*** **A**. *Dehydroavilamycin* C.

$C_{61}H_{88}Cl_2O_{32}$ M 1404.253

From *S. viridochromogenes*. Active against gram-positive bacteria. Needles ($CHCl_3$/pet. ether). Mp 181-182°. $[\alpha]_D$ −8° (EtOH). Medical prod. known as Avilamycin, INN, USAN contains small amounts of other components.

▷OP4090000.

Heilman, W. *et al*, *Helv. Chim. Acta*, 1979, **62**, 1 (*isol*)
Keller-Schierlein, W. *et al*, *Helv. Chim. Acta*, 1979, **62**, 7 (*struct*)
Brimacombe, J.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 2583 (*struct*)
Kupfer, E. *et al*, *Helv. Chim. Acta*, 1982, **65**, 3.
Mertz, J.L. *et al*, *J. Antibiot.*, 1986, **39**, 877 (*isol, struct, components*)

Avridine, INN, USAN A-00488

2,2′-[[3-(Dioctadecylamino)propyl]imino]bisethanol, 9CI. N,N-Dioctadecyl-N′,N′-bis(2-hydroxyethyl)-1,3-propanediamine. CP-20,961

[35607-20-6]

$[H_3C(CH_2)_{17}]_2NCH_2CH_2CH_2N(CH_2CH_2OH)_2$

$C_{43}H_{90}N_2O_2$ M 667.196

Antiviral agent. Induces interferon formn.

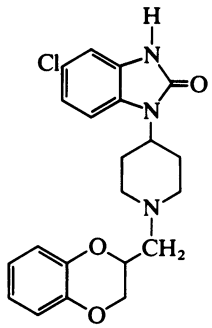
B,2HCl: Cryst. (MeOH). Mp 238-240°.

Ger. Pat., 2 139 545, (*1972*); *CA*, **77**, 70422c (*synth, pharmacol*)
Hoffman, W.W. *et al*, *Antimicrob. Agents Chemother.*, 1973, **3**, 498 (*pharmacol*)

Axamozide, INN A-00489

5-Chloro-1-[1-[(2,3-dihydro-1,4-benzodioxin-2-yl)-methyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one, 9CI

[85076-06-8]



$C_{21}H_{22}ClN_3O_3$ M 399.876

Neuroleptic agent. Cryst. (EtOAc). Mp 226-228°.

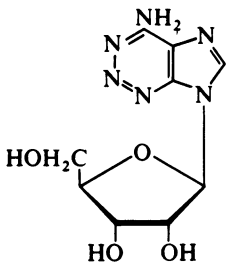
B,HCl: Cryst. (Me_2CO). Mp 196-200° dec.

Henning, R. *et al*, *J. Med. Chem.*, 1987, **30**, 814 (*synth, pharmacol*)

2-Azaadenosine, 9CI, 8CI A-00490

7-β-D-Ribofuranosyl-7H-imidazo[4,5-d]-1,2,3-triazin-4-amine, 9CI

[146-94-1]



$C_9H_{12}N_6O_4$ M 268.232

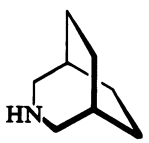
Cytotoxic to human epidermoid carcinoma cells. Mp 260°.

Montgomery, J.A. *et al*, *J. Med. Chem.*, 1975, **18**, 564.
Montgomery, J.A. *et al*, *Nucl. Acid Chem.*, 1978, **2**, 681 (*synth*)
Singh, P. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 973 (*cryst struct*)
Bennett, L.L. *et al*, *Biochem. Pharmacol.*, 1985, **34**, 1293 (*pharmacol, metab*)

3-Azabicyclo[3.2.2]nonane, 9CI A-00491

Isogranatanine

[283-24-9]



$C_8H_{15}N$ M 125.213

Derivs. have pharmaceutical uses. Cryst. by subl. with ammoniacal odour. Solid. Mp 186° (sealed tube) (180°). pK_a 10.56.

▷CL5447500.

B,HCl: [5597-41-1]. Solid. Mp 281-283°.

N-(*4-Aminobenzenesulfonyl*): [1150-20-5]. *3-[(4-Aminophenyl)sulfonyl]-3-azabicyclo[3.2.2]nonane, 9CI.* ***Azabon,*** *USAN,* ***INN.***

$C_{14}H_{20}N_2O_2S$ M 280.384

Central stimulant. Mp 149-151°.

N-*Me:*

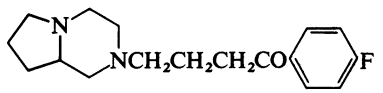
$C_9H_{17}N$ M 139.240

Liq. Bp_{69} 104°. n_D^{20} 1.4892.

Komppa, G., *Ber.*, 1932, **65**, 792 (*synth*)
Kreiger, H., *Suom. Kemistil.*, 1963, **36**, 2 (*rev*)
Hall, H.K., *J. Org. Chem.*, 1964, **29**, 3135.
Brown, V.L. *et al*, *Ind. Eng. Chem.*, 1965, **4**, 40 (*deriv*)
Reinisch, G. *et al*, *Chem. Ber.*, 1966, **99**, 856 (*synth*)
U.S.P., 3 351 528, (*1967*); *CA*, **69**, 39496v (*deriv*)

Azabuperone, INN A-00492

1-(4-Fluorophenyl)-4-(hexahydropyrrolo[1,2-a]-pyrazin-2(1H)-yl)-1-butanone, 9CI. 4'-Fluoro-4-(hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)butyrophenone, 8CI. Azabutyrone. Orfilon



$C_{17}H_{23}FN_2O$ M 290.380

(±)-*form* [2856-81-7]

Tranquilliser, neuroleptic. Liq. $Bp_{0.5}$ 158-160°. n_D^{20} 1.532.

B,2HCl: [3162-75-2]. Cryst. (EtOH). Mp 182-184°.

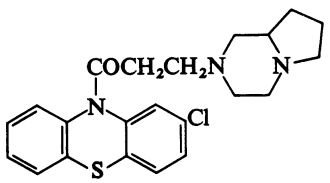
▷EU2712000.

Bulat, A.D. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 39.
Gavlik, I. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 594 (*uv, ir, ms*)
Pochatov, Yu.M. *et al*, *Farmakol. Toksikol.*, 1976, **39**, 59 (*metab*)
Raevskii, K.S., *Farmatsiya*, 1976, **25**, 77 (*anal*)
Raevskii, K.S. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 471 (*synth, pharmacol*)

Azaclorzine, INN A-00493

2-Chloro-10-[3-(hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)-1-oxopropyl]-10H-phenothiazine, 9CI

[49864-70-2]



$C_{22}H_{24}ClN_3OS$ M 413.964

Coronary vasodilator.

B,2HCl: [49780-10-1]. *Azaclorzine hydrochloride, USAN. Nonachlazine. AY 25329.* Creamish or yellow-green cryst. Mp 218-228°.

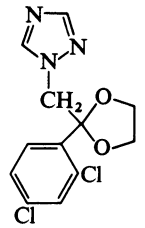
▷SN7700000.

Nazarova, L.S. *et al*, *Khim. Farm. Zh.*, 1978, **12**, 97 (*synth, pharmacol*)
Kaverina, N.V. *et al*, *Khim. Farm. Zh.*, 1979, **13**, 115 (*rev*)
Kipshidze, N.N., *Drugs of Today*, 1979, **15**, 328 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12409.

Azaconazole, USAN, INN A-00494

1-[[2-(2,4-Dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole. Azoconazole. R-28644

[60207-31-0]



$C_{12}H_{11}Cl_2N_3O_2$ M 300.144

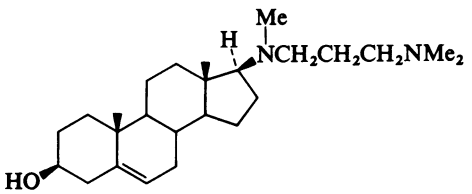
Antifungal agent. Cryst. (diisopropyl ether). Mp 109.9°.

Ger. Pat., 2 551 560, (*1976*); *CA*, **85**, 94368f (*synth, use*)
Van Gestel, J. *et al*, *Pestic. Sci.*, 1980, **11**, 95 (*synth, use*)

Azacosterol, INN A-00495

17β-[[3-(Dimethylamino)propyl]methylamino]androst-5-en-3β-ol, 9CI, 8CI. Azasterol. Diazasterol. SC 12937. DAC. IMD 760

[313-05-3]



$C_{25}H_{44}N_2O$ M 388.635

Hypocholesteraemic agent; avian chemosterilant. Cryst. (Me_2CO/MeOH). Mp 146-148°. $[\alpha]_D$ −54.5°.

B,2HCl: [1249-84-9]. *Azacosterol hydrochloride, USAN. Ornitrol.* $[\alpha]_D$ −32°.

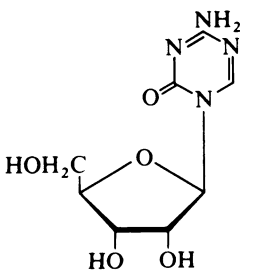
▷BV8225000.

Klimstra, P.D. *et al*, *J. Med. Chem.*, 1966, **9**, 323 (*synth, pharmacol*)

5-Azacytidine A-00496

*4-Amino-1-β-D-ribofuranosyl-1,3,5-triazin-2(1H)-one, 9CI. 1-β-D-Ribofuranosyl-5-azacytosine. Ladakamycin. **Azacitidine, INN, USAN**. NSC 102816. U 18496. Antibiotic U 18496. Mylosar*

[320-67-2]



$C_8H_{12}N_4O_5$ M 244.207

Nucleoside antibiotic. Isol. from *Streptoverticillium ladakanus, Actinoplanes awajinensis* and *A. missouriensis*. Antineoplastic agent. Weakly active against some gram-positive bacteria and tumours. Mp 232-234° dec. $[\alpha]_D^{25}$ +39° (c, 1 in H_2O).

▷Causes exp. neoplasms. XZ3017500.

4N-*Me:*

$C_9H_{14}N_4O_5$ M 258.233

Mp 148-150°.

4,4N-Di-Me:

$C_{10}H_{16}N_4O_5$ M 272.260

Mp 128-130°.

2',3',5'-Tribenzoyl: [28998-36-9].

$C_{29}H_{24}N_4O_8$ M 556.531

Mp 186-187°. $[\alpha]_D^{20}$ −33.1° (c, 1.0 in $CHCl_3$).

Piskala, A. *et al, Collect. Czech. Chem. Commun.*, 1964, **29**, 2060 (*synth*)

Bergy, M.E. *et al, Antimicrob. Agents Chemother.*, 1966, 619, 625 (*isol, struct*)

Ger. Pat., 1 922 702, (*1969*); *CA*, **72**, 79427n

Jones, A.J. *et al, J. Phys. Chem.*, 1970, **74**, 2684; *CA*, **73**, 50542f (*cmr*)

Hruska, F.E. *et al, Can. J. Chem.*, 1974, **52**, 497 (*pmr*)

Niedballa, U. *et al, J. Org. Chem.*, 1974, **39**, 3672 (*synth*)

Japan. Pat., 78 104 795, (*1978*); *CA*, **90**, 101950 (*isol*)

Piskala, A. *et al, Nucleic Acids Chem.*, 1978, **1**, 435 (*synth*)

Torikata, A. *et al, CA*, 1979, **90**, 150248 (*isol*)

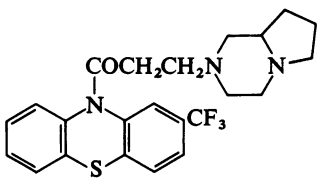
Roberts, J.D. *et al, J. Org. Chem.*, 1981, **46**, 1014 (*N-15 nmr, bibl*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 332.

Azaftozine, INN A-00497

10-[3-(Hexahydropyrrolo[1,2-a]pyrazin-2(1H)-yl)-1-oxopropyl]-2-(trifluoromethyl)-10H-phenothiazine, 9CI. Nonaftazin. Nonaphtazine

[54063-26-2]



$C_{23}H_{24}F_3N_3OS$ M 447.517

(±)-form

Spasmolytic, antianginal agent.

B,2HCl: [49780-09-8]. Cryst. (EtOH). Mp 222-223°.

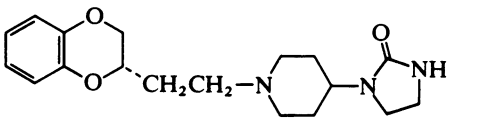
Kaverina, N.V. *et al, Khim.-Farm. Zh.*, 1978, **12**, 97 (*synth, pharmacol*)

Nazarova, L.S. *et al, Khim.-Farm. Zh.*, 1978, **12**, 84 (*synth, pharmacol*)

Arzamastsev, A.P. *et al, Khim. Farm. Zh.*, 1981, **15**, 102 (*uv, ir*)

Azaloxan, USAN A-00498

1-[1-[2-(2,3-Dihydro-1,4-benzodioxin-2-yl)ethyl]-4-piperidinyl]-2-imidazolidinone, 9CI



(*S*)-*form*

$C_{18}H_{25}N_3O_3$ M 331.414

(*S*)-form

Antidepressant. Mp 119-122°. $[\alpha]_D^{25}$ −47.3° (c, 1 in MeOH).

Fumarate (1:1): [86116-60-1]. *Azaloxan fumarate, USAN. CGS 7135A.* Mp 210-213°. $[\alpha]_D$ −30.4° (MeOH).

(±)-form

Cryst. (2-propanol). Mp 125°.

Fumarate: Mp 190°.

U.S.P., 4 329 348, (*1982*); *CA*, **97**, 92295 (*synth, pharmacol*)

Azamethonium(2+) A-00499

2,2'-(Methylimino)bis[N-ethyl-N,N-dimethylethanaminium], 9CI. [(Methylimino)diethylene]-bis[ethyldimethylammonium], 8CI

[60-30-0]

$Me_2EtN^{\oplus}CH_2CH_2NMeCH_2CH_2N^{\oplus}EtMe_2$

$C_{13}H_{33}N_3^{\oplus\oplus}$ M 231.424 (ion)

Antihypertensive, ganglionic blocking agent.

Dibromide: [306-53-6]. *Azamethonium bromide, BAN, INN. Azamethane. Azameton. Ganlion. Hypotensin. Pendiomid. Pentamin. Pentamon. C 9295.*

$C_{13}H_{33}Br_2N_2$ M 377.225

Prisms (EtOH/EtOAc). V. sol. H_2O. Mp 212-215°.

▷BR8050000.

Delaby, R. *et al, C. R. Hebd. Seances Acad. Sci.*, 1953, **236**, 1976 (*synth*)

Golovkin, V.A., *Farmatsiya*, 1967, **16**, 63 (*cryst struct*)

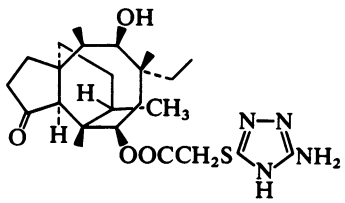
Blackman, J.G. *et al, Br. J. Pharmacol.*, 1975, **54**, 91 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 853.

Azamulin, INN A-00500

SA 85530b. TDM 85-530

[76530-44-4]



$C_{24}H_{38}N_4O_4S$ M 478.649

Antibacterial agent. Cryst. (2-propanol aq.). Mp 213-215°.

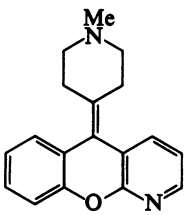
Eur. Pat., 13 768, (*1980*); *CA*, **94**, 83668 (*synth*)

Schuster, I. *et al, Proc. Int. Congr. Chemother. 13th*, 1983, 5 (*rev*)

Azanator, INN A-00501

5-(1-Methyl-4-piperidinylidene)-5H-[1]-benzopyrano[2,3-b]pyridine, 9CI

[37855-92-8]



$C_{18}H_{18}N_2O$ M 278.353

Bronchodilator.

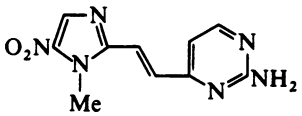
Maleate: [39624-65-2]. *Azanator maleate, USAN. Sch 15280.* Mp 206-208°.

Villani, F.J. *et al, J. Med. Chem.*, 1975, **18**, 1 (*synth, pharmacol*)

Azanidazole, BAN, INN, USAN A-00502

4-[2-(1-Methyl-5-nitro-1H-imidazol-2-yl)ethenyl]-2-pyrimidinamine, 9CI. Nitromidinum. Triclose

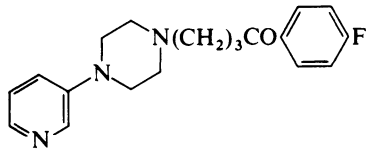
[53409-75-9]



$C_{10}H_{10}N_6O_2$ M 246.228

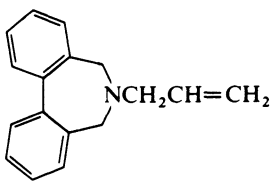
(*E*)-*form* [62973-76-6]
Drug used in treatment of trichomoniasis. Bright-yellow powder. Mp 232-235°.
▷UV6261500.
Ger. Pat., 2 358 483, (*1974*); *CA*, **81**, 91563x (*synth, pharmacol*)
De Angelis, L., *Drugs of Today*, 1978, **14**, 232 (*rev*)
Bradamante, S. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 1399 (*pmr, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12411.

Azaperone, BAN, INN, USAN **A-00503**
1-(4-Fluorophenyl)-4-[4-(2-pyridinyl)-1-piperazinyl]-1-butanone, 9CI. 4'-Fluoro-4-[4-(2-pyridyl)-1-piperazinyl]butyrophenone, 8CI. Afiperon. Porcador. Porcirelax. Sedaperone. Stresnil. Suicalm. R 1929
[1649-18-9]



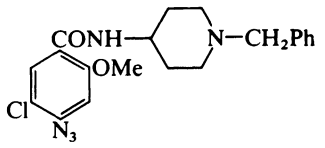
$C_{19}H_{22}FN_3O$ M 327.401
Vet. tranquilliser. Mp 73-75°.
▷EU4550000.
U.S.P., 2 958 694, (*1960*); *CA*, **55**, 9439d (*synth*)
Frigerio, A. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 1051 (*ms*)
Serrano, L. *et al*, *Res. Vet. Sci.*, 1976, **20**, 316 (*pharmacol*)
Koch, M.H.J. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1975 (*cryst struct*)
Azibi, M. *et al*, *Pharm. Acta Helv.*, 1981, **56**, 190.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12412.

Azapetine, BAN **A-00504**
6,7-Dihydro-6-(2-propenyl)-5H-dibenz[c,e]azepine, 9 CI
[146-36-1]



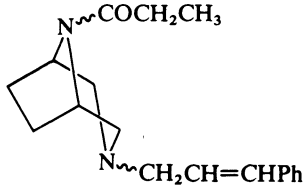
$C_{17}H_{17}N$ M 235.328
α-Adrenergic blocking agent, vasodilator. Oil. Insol. H_2O. Bp_{12} 176-179°, $Bp_{0.02}$ 131-134°.
▷HN7200000.
B,HCl: [65-15-6]. Mp 214-215°.
B,H_3PO_4: [130-83-6]. *Azapentine phosphate. Azephine. Azeptane phosphate. Diletan. Ilidar. Peridil. Ro 2-3248.* Cryst. Mp 211-215° dec.
▷HN7525000.
Wenner, W., *J. Org. Chem.*, 1951, **16**, 1475; 1952, **17**, 1451 (*synth*)
Mercier, J. *et al*, *J. Physiol. (Paris)*, 1956, **48**, 893 (*pharmacol*)
Hawthorne, J.O. *et al*, *J. Org. Chem.*, 1963, **28**, 2831 (*synth*)
Singh, S.P. *et al*, *J. Pharm. Sci.*, 1979, **68**, 890 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9206.

Azapride **A-00505**
4-Azido-5-chloro-2-methoxy-N-[1-(phenylmethyl)-4-piperidinyl]benzamide, 9CI. Azidoclebopride
[92990-90-4]



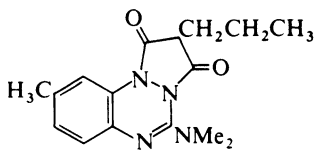
$C_{20}H_{22}ClN_5O_2$ M 399.879
Dopamine antagonist. Cryst. (EtOH). Mp 200-201°.
Wouters, W. *et al*, *Eur. J. Biochem.*, 1984, **145**, 273 (*synth, pharmacol*)
Neumeyer, J.L. *et al*, *J. Med. Chem.*, 1985, **28**, 405 (*synth, pharmacol*)
Niznik, H.B. *et al*, *Mol. Pharmacol.*, 1985, **27**, 193 (*pharmacol*)

Azaprocin, INN **A-00506**
8-(1-Oxypropyl)-3-(3-phenyl-2-propenyl)-3,8-diazabicyclo[3.2.1]octane, 9CI. 3-Cinnamyl-8-propionyl-3,8-diazabicyclo[3.2.1]octane, 8CI
[448-34-0]



$C_{18}H_{24}N_2O$ M 284.400
Analgesic. $Bp_{0.2}$ 170-175°.
▷HM0407000.
Cignarella, G. *et al*, *J. Med. Chem.*, 1963, **6**, 764 (*synth, pharmacol*)
Rosselli Del Turco, B. *et al*, *Boll. Chim. Farm.*, 1968, **107**, 120 (*pharmacol*)

Azapropazone, BAN, INN, JAN **A-00507**
*5-(Dimethylamino)-9-methyl-2-propyl-1H-pyrazolo[1,2-a][1,2,4]benzotriazine-1,3(2H)-dione, 9CI, 8CI. **Apazone, USAN**. Cinnopropazone. NSC 102824. Numerous proprietary names*
[13539-59-8]

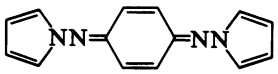


$C_{16}H_{20}N_4O_2$ M 300.360
Analgesic and antiinflammatory agent. Mp 228°.
▷UQ9835000.
Dihydrate: Mp 247-248°.
Klatt, L. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 913 (*synth*)
Farrie, D.S., *Arzneim.-Forsch.*, 1974, **24**, 747 (*uv*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*pharmacol, props*)
Lewis, D.A. *et al*, *Drugs Exp. Clin. Res.*, 1977, **2**, 71 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4049 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2610.

Azarole, USAN **A-00508**

N,N′-*2,5-Cyclohexadiene-1,4-diylidenebis-1H-pyrrol-1-amine, 9CI. Win 38770*

[55872-82-7]



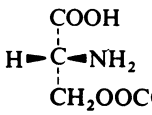
$C_{14}H_{12}N_4$ M 236.276

Immunoregulator, antibacterial agent. Cryst. (EtOAc). Mp 162-164°.

Ger. Pat., 2 429 923, (*1975*); *CA*, **82**, 156057 (*synth, pharmacol*)
Johnson, R.E. *et al*, *J. Med. Chem.*, 1981, **24**, 1314 (*synth, pharmacol*)
McCoy, L.F. *et al*, *J. Chromatogr. Sci.*, 1983, **21**, 500 (*hplc*)

Azaserine, USAN, INN **A-00509**

Serine diazoacetate ester, 9CI. Serine O-*diazoacetate.* O-*Diazoacetylserine*



(*R*)-*form* Absolute configuration

$C_5H_7N_3O_4$ M 173.128

Amino acid antibiotic.

▷Carcinogenic in the rat; teratogen

(R)-form

D-form

Yellow cryst. Mp 153-155° dec. $[\alpha]_D^{26}$ +0.4° (c, 5.57 in H_2O).

(S)-form [115-02-6]

L-form. Antibiotic LL D05139α. CI 337. CN 15757. LL D05139α. NSC 742. P 165

Isol. from *Streptomyces fragilis, Glycomyces harbinensis, Actinoplanes deccanensis* and *Microtetraspora glauca*. Glutamine antagonist which inhibits purine biosynthesis; antifungal and antitumour agent. Light-yellow needles (EtOH aq.). Mp 146-162° dec., 153-155° dec. $[\alpha]_D^{27.5}$ −0.5° (H_2O, pH 5.18), $[\alpha]_D^{28}$ +9.7° (2N HCl).

▷VT9625000.

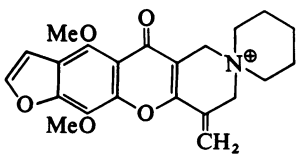
(±)-form

Mp 153-155° dec.

Pettillo, A. *et al*, *Antibiotics* (*N.Y.*), 1967, **1**, 481 (*rev*)
IARC Monographs, 1976, **10**, 73 (*tox*)
Curphey, T.J. *et al*, *J. Org. Chem.*, 1978, **43**, 4666 (*synth*)
Fitzgerald, A. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 828 (*cryst struct*)
Torikata, A. *et al*, *CA*, 1979, **90**, 150248 (*isol*)
Roebuck, B.D. *et al*, *Experientia*, 1983, **39**, 324 (*tox*)
Japan. Pat., 84 34 891, (*1984*); *CA*, **100**, 207881 (*isol*)
Lee, M.D. *et al*, *J. Antibiot.*, 1987, **40**, 1657 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1811.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 333.

Azaspirium(1+) **A-00510**

8,9-Dihydro-4,11-dimethoxy-9-methylene-5-oxo-spiro[5H-furo[3′,2′:6,7][1]benzopyrano[3,2-c]pyridine-7-(6H),1′-piperidinium](1+), 9CI



$C_{22}H_{24}NO_5^{\oplus}$ M 382.435 (ion)

Spasmolytic, antihypertensive agent.

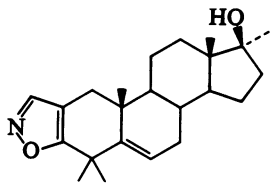
Chloride: [34959-30-3]. *Azaspirium chloride, INN.* $C_{22}H_{24}ClNO_5$ M 417.888 Mp 265°.

Fr. Pat., 2 081 594, (*1972*); *CA*, **77**, 114382w (*synth, pharmacol*)
Eiden, F. *et al*, *Chem. Ber.*, 1974, **107**, 1057 (*uv, synth*)

Azastene, USAN, INN **A-00511**

4,4,17-Trimethylandrosta-2,5-dieno[2,3-d]isoxal-17β-ol, 9CI, 8CI. Isoxazol. Win 17625

[13074-00-5]



$C_{23}H_{33}NO_2$ M 355.519

Contraceptive, abortifacient. Cryst. (EtOH). Mp 177-180°. $[\alpha]_D^{25}$ −66.9° (c, 0.03 in EtOH).

▷BV7992000.

17-Formate: Cryst. (MeCN). Mp 200-202°. $[\alpha]_D^{25}$ −50.0° (c, 0.03 in $CHCl_3$).

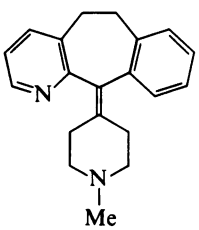
17-Propionate: Cryst. (MeOH). Mp 117-121°. $[\alpha]_D^{25}$ −32.2° (c, 0.03 in $CHCl_3$).

U.S.P., 3 135 743, (*1964*); *CA*, **61**, 5730c (*synth*)
U.S.P., 3 966 926, (*1976*); *CA*, **85**, 83244 (*synth, pharmacol*)
Csapo, A.I. *et al*, *J. Steroid Biochem.*, 1979, **11**, 963 (*pharmacol*)

Azatadine, BAN, INN **A-00512**

6,11-Dihydro-11-(1-methyl-4-piperidinylidene)-5H-benzo[5,6]-cyclohepta[1,2-b]pyridine, 9CI, 8CI

[3964-81-6]



$C_{20}H_{22}N_2$ M 290.407

Antihistamine. Cryst. (diisopropyl ether). Mp 124-126°.

Maleate (1:2): [3978-86-7]. *Azatadine maleate, USAN. Bonamid. Idulian. Lergocid. Nalomet. Optimine. Trinalin. Zadine. Sch 10649.* Cryst. (EtOAc/MeOH). Mp 152-154°.

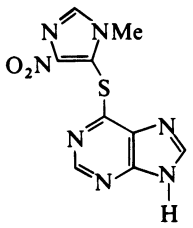
▷DE8025500.

U.S.P., 3 357 986, (*1967*); *CA*, **69**, 27262y (*synth*)
Villani, F.J. *et al*, *J. Med. Chem.*, 1972, **15**, 750 (*pharmacol*)
Yanagita, T. *et al*, *CA*, 1976, **84**, 38611 (*pharmacol*)
Niemegeers, C.J.E. *et al*, *Drug Dev. Res.*, 1982, **2**, 559 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6107.

Azathioprine, BAN, USAN, INN, JAN **A-00513**

6-[(1-Methyl-4-nitro-1H-imidazol-5-yl)thio]-1H-purine, 9CI. *Azamune. Azanin. Azapress. Imuran. Imurek. Thioprine. BW 57-322. NSC 39084*

[446-86-6]



$C_9H_7N_7O_2S$ M 277.260

Immunosuppressor. Pale yellow cryst. (Me_2CO aq.). Mp 243-244° dec. Also used as Na salt (Azathioprine sodium, USAN).

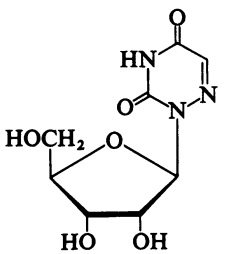
▷UO8925000.

Yeowell, H.N. *et al, J. Heterocycl. Chem.*, 1973,, **10**, 1017 (*synth*)
Wolski, T., *Pol. J. Pharmacol. Pharm.*, 1978, **30**, 593 (*synth*)
Ding, T.L. *et al, Drug Metab. Dispos.*, 1979, **7**, 373 (*metab*)
Wilson, W.P. *et al, Anal. Profiles Drug Subst.*, 1981, **10**, 29 (*rev*)
Pento, J.T., *Drugs of Today*, 1982, **18**, 258 (*rev*)
Acharya, K.R., *Proc. Indian Acad. Sci. Chem. Sci.*, 1984, **93**, 183 (*cryst struct*)
Van Scoik, K.G. *et al, Drug Metab. Rev.*, 1985, **16**, 157 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 190.

6-Azauridine **A-00514**

2-β-D-Ribofuranosyl-1,2,4-triazine-3,5(2H,4H)-dione, 9CI. *2-β-D-Ribofuranosyl-as-triazine-3,5(2H,4H)-dione,* 8CI. *1-(β-D-Ribofuranosyl)-6-azauracil. Azur. Riboazauracil. NSC 32074*

[54-25-1]



$C_8H_{11}N_3O_6$ M 245.191

Pyrimidine antagonist and bacteriostat. Antiviral agent active against human smallpox and viral eye infections. Antineoplastic. Mp 160-161°. $[\alpha]_D$ −132° (Py). λ_{max} 225 nm (ε 5 754) (50% EtOH aq.).

▷XY8575000.

2',3'-O-Isopropylidene:
$C_{11}H_{15}N_3O_6$ M 285.256
Mp 142-143°.

2',3',5'-Tri-Ac: [2169-64-4]. ***Azaribine,*** *BAN, INN, USAN. Triazure. NSC 67239. CB 304.*
$C_{14}H_{17}N_3O_9$ M 371.303
Antiviral agent, also used in treatment of psoriasis. Mp 102-103°. Currently withdrawn; causes thromboembolism in some patients.

▷XY8577000.

5'-Benzoyl: [23477-49-8].
$C_{15}H_{15}N_3O_7$ M 349.299
Mp 156-157°. $[\alpha]_D^{24}$ −90.5° (c, 0.5 in EtOAc).

5'-Benzoyl, 2',3'-dimesyl: [23393-65-9]. Mp 162-164°. $[\alpha]_D^{25}$ −52.3° (c, 0.5 in EtOAc).

2',3',5'-Tribenzoyl:
$C_{29}H_{23}N_3O_9$ M 557.515
Mp 191°. $[\alpha]_D^{24}$ −51° (Py).

2',3'-Dimesyl: [23470-78-2]. Mp 167-169°. $[\alpha]_D^{25}$ −51° (c, 0.43 in 50% EtOH aq.).

2',3'-Dimesyl, 5'-trityl: Mp 105-108°. $[\alpha]_D^{25}$ −44.2° (c, 0.4 in $CHCl_3$).

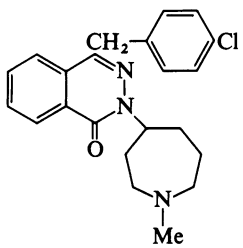
2',3',5'-Trimesyl: [23407-74-1]. Mp 104-106°. $[\alpha]_D^{25}$ −17.1° (c, 0.21 in Me_2CO).

Prystas, M. *et al, Chem. Ind. (London)*, 1961, 947
Mizuno, Y. *et al, Chem. Pharm. Bull.*, 1963, **11**, 293 (*synth*)
Beránek, J., *Collect. Czech. Chem. Commun.*, 1969, **34**, 618 (*synth*)
Smahel, O. *et al, Neoplasma*, 1971, **18**, 435 (*pharmacol*)
Nishimura, T., *Methods Carbohydr. Chem.*, 1972, **6**, 436 (*rev, synth*)
Schwalbe, C.H. *et al, J. Mol. Biol.*, 1973, **75**, 129 (*cryst struct*)
Schweizer, M.P. *et al, J. Am. Chem. Soc.*, 1973, **95**, 3770 (*pmr, cmr*)
Beranek, J. *et al, Nucleic Acids Res.*, 1976, **3**, 1387 (*synth*)
Mewade, G.S. *et al, Sci. Cult.*, 1978, **44**, 291 (*rev, Azaribine*)
Masojidkova, M. *et al, Collect. Czech. Chem. Commun.*, 1985, **50**, 1899 (*pmr, conformn*)
Drell, W., *Chem. Eng. News*, 1986, 2 (*bibl, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1810, 1813.

Azelastine, INN **A-00515**

4-[(4-Chlorophenyl)methyl]-2-(hexahydro-1-methyl-1H-azepin-4-yl)-1(2H)-phthalazinone, 9CI

[58581-89-8]



$C_{22}H_{24}ClN_3O$ M 381.904

Antihistamine, antiasthmatic agent. Low toxicity claimed.

▷TH9203800.

B,HCl: [79307-93-0]. *Azelastine hydrochloride,* USAN. *Azeptin.* Mp 225-229°.

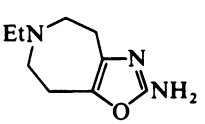
▷TH9203810.

U.S.P., 3 813 384, (*1974*); *CA*, **81**, 63654j (*synth, pharmacol*)
Tasaka, K. *et al, Arzneim.-Forsch.*, 1979, **29**, 488 (*pharmacol*)
Zechel, H.J. *et al, Arzneim.-Forsch.*, 1981, **31**, 1184 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12413.

Azepexole, BAN, INN **A-00516**

6-Ethyl-5,6,7,8-tetrahydro-4H-oxazolo[4,5-d]azepin-2-amine, 9CI. *B-HT 933CL2*

[36067-73-9]



$C_9H_{15}N_3O$ M 181.237

Antihypertensive drug. Cryst. (Me_2CO). Mp 152-153°. Used mainly as dihydrochloride.

B,2HCl: Mp 217-219° dec.

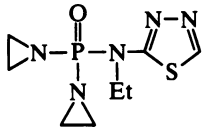
Ger. Pat., 2 127 267, (*1972*); *CA*, **79**, 78777j (*synth, pharmacol*)

Kobinger, W. *et al*, *Naunyn-Schmiedebergs Arch. Pharmacol.*, 1977, **300**, 39 (*pharmacol*)
Luger, P. *et al*, *Acta Crystallogr., Sect. B*, 1986, **42**, 478.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18795.

Azetepa, BAN, USAN **A-00517**

P,P-*Bis*(*aziridin-1-yl*)-N-*ethyl*-N-*1,3,4-thiadiazol-2-ylphosphinamide*. **Azatepa, *INN***. *Thiatriamide. CL 25477. NSC 64826*

[125-45-1]



$C_8H_{14}N_5OPS$ M 259.265

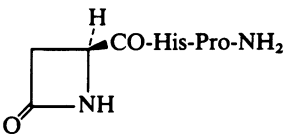
Antineoplastic agent. Cryst. (hexane). Mp 95-96.5°.

B.P., 885 370, (*1961*); *CA*, **58**, 7949 (*synth, props*)
Seeger, D.R. *et al*, *J. Org. Chem.*, 1961, **26**, 3566 (*synth*)
Borkovec, A.B. *et al*, *J. Med. Chem.*, 1966, **9**, 522 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1814.

Azetirelin, INN **A-00518**

N-[(*4-Oxo-2-azetidinyl*)*carbonyl*]-L-*histidyl*-L-*prolinamide*, *9CI*. *YM 14673*

[95729-65-0]



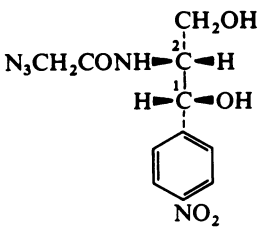
$C_{15}H_{20}N_6O_4$ M 348.361

TRH analogue. Central nervous system agent. Polymorph. cryst. + $\frac{1}{2}H_2O$ (MeOH). Mp 145-149°, Mp 154-157°, Mp 154-163°.

Eur. Pat., 123 444, (*1984*); *CA*, **102**, 149797x (*synth, pharmacol*)
Yamamoto, M. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1987, **336**, 561 (*pharmacol*)

Azidamfenicol, BAN, INN **A-00519**

2-Azido-N-[*2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl*]*acetamide*, *9CI*. *2-(Azidoacetamido)-1-(4-nitrophenyl)-1,3-propanediol. Azidoamphenicol. Leukomycin* N. *Thilocanfol. Thiolocof. AAM. Bayer 52910*



(1*R*,2*R*)-*form*
Absolute configuration

$C_{11}H_{13}N_5O_5$ M 295.254

(***1R,2R*)-*form*** [13838-08-9]

Antibiotic. Sol. H_2O. Mp 107°. $[\alpha]_D^{20}$ −20° (c, 1.6 in EtOAc).

(***1RS,2RS*)-*form*** [39909-61-0]

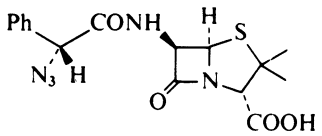
Mp 120-121°.

Rebstock, M.C. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4045 (*synth*)
East Ger. Pat., 83 160, 83 161, (*1971*); *CA*, **78**, 71663, 71666 (*synth*)
Nielsen, P.E. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 662 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12.

Azidocillin, BAN, INN **A-00520**

α-Azidobenzylpenicillin. 6-[*α-Azidophenylacetamido*]*-penicillanic acid. Azidophen. Finacillin. Globacillin. Longatren. Nalpen. Purapen. BRL 2534. DAN 10510. SPC 297*D

[17243-38-8]



$C_{16}H_{17}N_5O_4S$ M 375.401

Semisynthetic penicillin.

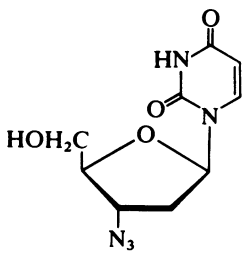
K salt: Mp 194° dec.

Ekström, B. *et al*, *Acta Chem. Scand.*, 1965, **19**, 281 (*synth*)
Sjöberg, B. *et al*, *Antimicrob. Agents Chemother.*, 1967, 560, 568 (*synth, pharmacol*)
Simon, C. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 424 (*pharmacol*)
Mondelli, R. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 1749 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13.

3′-Azido-2′,3′-dideoxyuridine **A-00521**

CS-87

[84472-85-5]



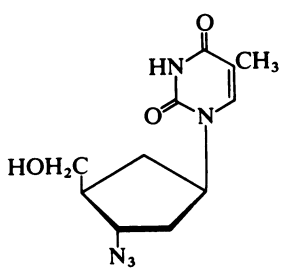
$C_9H_{11}N_5O_4$ M 253.217

Potential antiviral agent. Inhibitor of HIV-1 (AIDS virus). Tan cryst. Mp 161-163° dec.

Lin, T.S. *et al*, *J. Med. Chem.*, 1983, **26**, 544 (*synth, ir, uv, pmr*)
Van Roey, P. *et al*, *J. Am. Chem. Soc.*, 1988, **110**, 2277 (*cryst struct*)

1-[3-Azido-4-(hydroxymethyl)cyclopentyl]-5-methyl-2,4(1*H*,3*H*)pyrimidinedione **A-00522**

C-AZT



$C_{11}H_{15}N_5O_3$ M 265.271

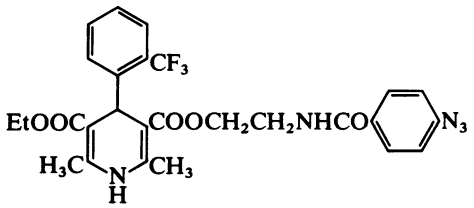
(+)-***form*** [114489-64-4]

Carbocyclic analogue of Zidovudine, Z-00013 . $[\alpha]_D^{20}$ +14.4° (c, 2.6 in Me_2CO).

(±)-***form*** [100020-51-7]
Cryst. Mp 154-157°.

Shealy, Y.F. *et al*, *J. Med. Chem.*, 1986, **29**, 483 (*synth, uv, ms, ir, pmr*)
Bodenteich, M. *et al*, *Tetrahedron Lett.*, 1987, **28**, 5311 (*synth*)

Azidopine **A-00523**
1,4-Dihydro-2,6-dimethyl-4-[2-(trifluoromethyl)-phenyl]-3,5-pyridinedicarboxylic acid 2-[(4-azidobenzoyl)amino]ethyl ethyl ester, 9CI
[90523-31-2]

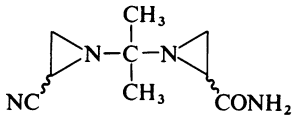


$C_{27}H_{26}F_3N_5O_5$ M 557.528

(±)-***form*** [98625-27-5]
Calcium channel blocker.

Ferry, D.R. *et al*, *FEBS Lett.*, 1984, **169**, 112 (*synth, pharmacol*)
Striessnig, J. *et al*, *Eur. J. Biochem.*, 1986, **161**, 603 (*props*)

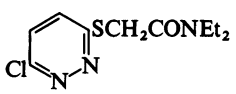
Azimexon, INN **A-00524**
1-[1-(2-Cyano-1-aziridinyl)-1-methylethyl]-2-aziridinecarboxamide, 9CI. 2-(2-Cyanoaziridinyl)-2-(2-carbamoyl-1-aziridinyl)propane. BM 12531
[64118-86-1]



$C_9H_{14}N_4O$ M 194.236
Immunostimulant. Cryst. (Me_2CO). Mp 151-155°.
▷CM6754000.

Ger. Pat., 2 632 517, (*1978*); *CA*, **88**, 136445y (*synth, pharmacol*)
Jähnisch, K. *et al*, *J. Prakt. Chem.*, 1979, **321**, 712 (*synth*)
Woelfel, B. *et al*, *Int. J. Immunopharmacol.*, 1981, **3**, 133 (*metab*)
Bicker, U., *Dev. Immunol.*, 1982, **17**, 521 (*pharmacol*)
Goutner, A. *et al*, *Hum. Cancer Immunol.*, 1982, **3**, 95 (*pharmacol*)
Micksche, M. *et al*, *Immunol. Ser.*, 1984, **25**, 363, 447 (*activity*)

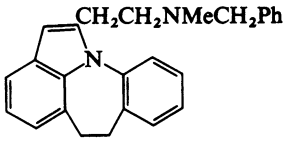
Azintamide, INN **A-00525**
2-[(6-Chloro-3-pyridazinyl)thio]-N,N-diethylacetamide, 9CI. Oragallin. ST 9067. Numerous proprietary names
[1830-32-6]



$C_{10}H_{14}ClN_3OS$ M 259.753
Choleretic agent. Bitter-tasting microcryst. (Me_2CO). Mp 95-97°.
▷AB5836500.

Lindner, I. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 271 (*tox, tlc, metab*)
Stormann, H. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 266 (*pharmacol*)
Ger. Pat., 1 188 604, (*1965*); *CA*, **63**, 1799c (*synth*)
Barkhash, V.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1974, 111 (*nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1627 (*synonyms*)

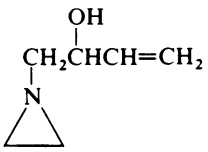
Azipramine, INN **A-00526**
6,7-Dihydro-N-methyl-N-(phenylmethyl)indolo[1,7-ab][1]benzazepin-1-ethanamine, 9CI. TQ 86
[58503-82-5]



$C_{26}H_{26}N_2$ M 366.505
Antidepressant.
B,HCl: [57529-83-6]. *Azipramine hydrochloride, USAN. TQ 86.* Mp 201-203°.

Toscano, L. *et al*, *J. Med. Chem.*, 1976, **19**, 208 (*synth, pharmacol*)

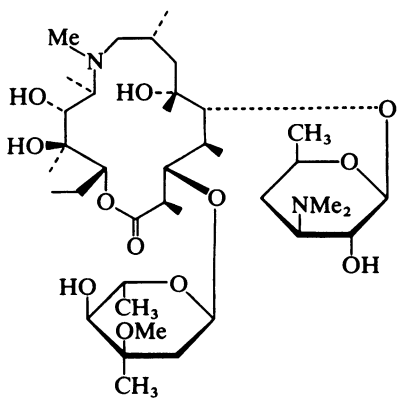
2-(1-Aziridinyl)-1-vinylethanol **A-00527**
α-Ethenyl-1-aziridineethanol, 9CI. α-Vinyl-1-aziridineethanol, 8CI. 1-Ethylenimino-2-hydroxybutene. Ethoxene. Tetramin. NSC 26806
[3691-16-5]



$C_6H_{11}NO$ M 113.159
Experimental antineoplastic and insect sterilant. Liq. Bp_3 60-63°. Polymerises in the presence of traces of acids or on prolonged exp. to air.
▷LD_{50} 33 mg/kg; mice, i.p. CM7175000.
Carbonate: $Bp_{0.01}$ 95-103°.
Ac:
$C_8H_{13}NO_2$ M 155.196
Bp_{13} 83-84°.

Staab, H.A. *et al*, *Chem. Ber.*, 1962, **95**, 1298 (*synth, derivs*)
Borkove, A.B. *et al*, *CA*, 1969, **70**, 10608p (*use*)
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3471.

Azithromycin, BAN, INN, USAN **A-00528**
CP 62993. 4″-Epi-9-deoxo-9a-methyl-9a-aza-9a-homoerythromycin A
[83905-01-5]



$C_{38}H_{72}N_2O_{12}$ M 748.993

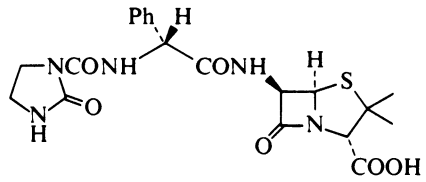
Antibacterial agent. Cryst. (EtOH aq.). Mp 155°.

Eur. Pat., 109 253, (*1984*); *CA*, **101**, 211651 (*synth, props*)
Girard, A.E. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 1939, 1948 (*props*)

Azlocillin, BAN, USAN, INN **A-00529**

Abrodil. Azlin. Bay e6905. Securopen

[37091-66-0]



$C_{20}H_{23}N_5O_6S$ M 461.492

Semisynthetic penicillin.

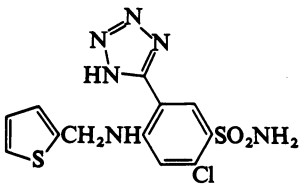
Na salt: [37091-65-9]. *Azlocillin sodium,* USAN.

Ger. Pat., 2 104 580, (*1972*); *CA*, **77**, 126629 (*synth*)
Ferres, H. *et al*, *J. Antibiot.*, 1974, **27**, 922 (*synth, props*)
Koenig, H.B. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 59 (*synth*)
Neu, H.C. (*Ed.*), *J. Antimicrob. Chemother.*, 1983, **11**, (*Suppl. B*) (*rev*)
Drusano, G.L. *et al*, *Rev. Infect. Dis.*, 1984, **6**, 13 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14.

Azosemide, USAN, INN **A-00530**

2-Chloro-5-(1H-tetrazol-5-yl)-N⁴-2-thienylsulfanilamide, 8CI. *Azadol. Diurapid. Ple 1053. SK 110*

[27589-33-9]



$C_{12}H_{11}ClN_6O_2S_2$ M 370.831

Diuretic, saluretic. Cryst. Mp 218-221°.

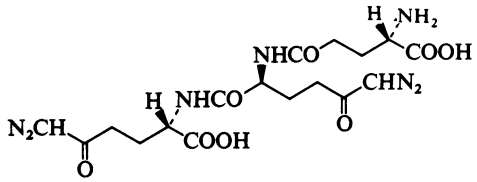
▷WO8900000.

Ger. Pat., 1 815 922, (*1970*); *CA*, **73**, 45519z (*synth, pharmacol*)
Krueck, F. *et al*, *Eur. J. Clin. Pharmacol.*, 1978, **14**, 153 (*pharmacol*)
Seiwell, R. *et al*, *J. Chromatogr.*, 1980, **182**, 257 (*hplc*)
Greven, J. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 346, 350 (*pharmacol*)
Kuzuya, F., *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 10 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12415.

Azotomycin, INN, USAN **A-00531**

6-Diazo-N-(6-diazo-N-L-γ-glutamyl-5-oxo-L-norleuyl)-5-oxo-L-norleucine, 9CI, 8CI. *Diazamycin* B. *Duazomycin* B. *BA 8509B. NSC 56654. Antibiotic 1719. Antibiotic BA 8509B*

[7644-67-9]



$C_{17}H_{23}N_7O_8$ M 453.411

Oligopeptide antibiotic. Isol. from *Actinomyces cinereoviridis* and *Streptomyces ambofaciens*. Shows antitumour activity. Related to Alazopeptin.

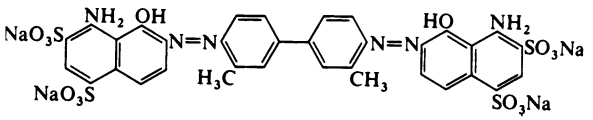
▷RC6310000.

Rao, K.V., *Antimicrob. Agents Chemother.*, 1962, 179.
Konstantinova, N.V. *et al*, *Antibiotiki* (*Moscow*), 1972, **17**, 680 (*isol*)
Korobkova, T.P. *et al*, *Antibiotiki* (*Moscow*), 1972, **17**, 684 (*manuf*)
Nelson, P.S., *Diss. Abstr. Int. B*, 1983, **44**, 499 (*synth*)
Pettit, G.R. *et al*, *J. Org. Chem.*, 1986, **51**, 1282 (*synth*)

Azovan Blue, BAN **A-00532**

6,6'-[3,3'-Dimethyl(1,1'-biphenyl)-4,4'-diyl]bis(azo)-bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonic acid] tetrasodium salt, 9CI. *Chlorazol Sky Blue FF. C.I. Direct Blue 53. Diamine Sky Blue FF. Evablin.* ***Evans Blue, USAN****. T 1824*

[314-13-6]



$C_{34}H_{24}N_6Na_4O_{14}S_4$ M 960.794

Diagnostic aid for measurement of blood volume. Dyestuff. Blue cryst. with brown/green lustre. Sol. H_2O, EtOH, acid, alkalis.

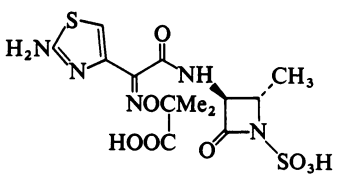
▷QJ6440000.

Org. Synth., Coll. Vol., **2**, 145 (*synth*)
Mani, R.S. *et al*, *Indian J. Chem.*, 1966, **4**, 498 (*synth*)
Gloria, T.S., *Rev. Bras. Farm.*, 1973, **54**, 55 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2123.

Aztreonam, BAN, INN, USAN **A-00533**

Azactam. Azthreonam. Dynabiotic. Monobactam. Primbactam. SQ 26776. Antibiotic SQ 26776

[78110-38-0]



$C_{13}H_{17}N_5O_8S_2$ M 435.426

Synthetic monobactam antibiotic. Shows potent and specific activity against gram-negative bacteria and high β-lactamase stability. Used clinically.

▷UA2451400.

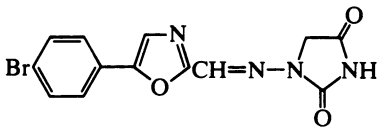
2-Epimer: [87291-17-6]. ***Antibiotic SQ 26917****. SQ 26917*. Synthetic. Active against gram-neg. bacteria esp. *Pseudomonas aeruginosa*.

Sykes, R.B. *et al*, *J. Antimicrob. Chemother.*, 1981, **8** (*Suppl. E*) (*synth, props, rev*)
Cohen, A.I. *et al*, *J. Pharm. Sci.*, 1982, **71**, 1065 (*ms*)
Eur. Pat., 70 024, (*1983*); *CA*, **99**, 10852
Neu, H.C. *et al*, *Antimicrob. Agents Chemother.*, 1983, **24**, 227 (*deriv*)
Swabb, E.A. *et al*, *Chemotherapy* (*Basel*), 1983, **29**, 313 (*rev*)
Eur. Pat., 97 352, (*1984*); *CA*, **100**, 174529 (*synth*)
Hopefl, A.W., *Drug Intell. Clin. Pharm.*, 1985, **19**, 171 (*rev, pharmacol*)
Brogden, R.N. *et al*, *Drugs*, 1986, **31**, 96 (*rev*)
Florey, K., *Anal. Profiles Drug Subst.*, 1988, **17**, 1 (*rev*)

Azumolene, INN **A-00534**

1-[[[5-(4-Bromophenyl)-2-oxazolyl]methylene]amino]-2,4-imidazolidinedione, *9CI*

[64748-79-4]



$C_{13}H_9BrN_4O_3$ M 349.143

Skeletal muscle relaxant. Cryst. (AcOH). Mp 290-292°.

Na salt: [91524-18-4]. *Azumolene sodium*, *USAN. EU 4093*. Cryst. + $2H_2O$.

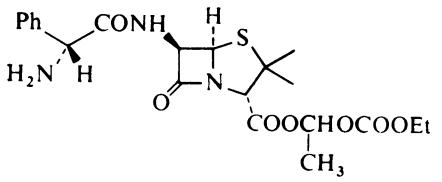
U.S.P., 4 049 650, (*1977*); *CA*, **88**, 6887 (*synth, pharmacol*)

B

Bacampicillin, BAN, INN **B-00001**

Carampicillin. Numerous proprietary names

[50972-17-3]



$C_{21}H_{27}N_3O_7S$ M 465.520

Semisynthetic penicillin. Active against gram-positive and -negative bacteria. Hydrol. enzymically *in vivo* to give Ampicillin.

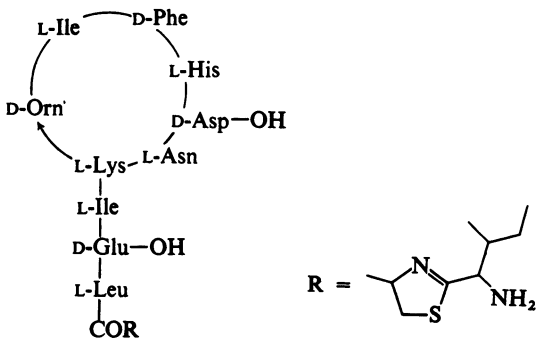
B,HCl: [37661-08-8]. *Bacampicillin hydrochloride, USAN, JAN.* Cryst. (Me_2CO/pet. ether). Mp 171-176° dec. $[\alpha]_D$ +173°.

▷XH8490000.

Ger. Pat., 2 144 457, (*1972*); *CA*, **77**, 48452 (*synth*)
Neu, H.C., *Rev. Infect. Dis.*, 1981, **3**, 110 (*rev*)
Sjoevall, J., *J. Antimicrob. Chemother.*, 1981, **8**, (*Suppl. C*), 41 (*rev*)
Mashimo, K., *Jpn. J. Antibiot.*, 1982, **35**, 2723 (*rev*)
Akita, H. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4317 (*synth*)
Nyquist, H. *et al*, *Acta Pharm. Suec.*, 1985, **22**, 215, 229 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15.

Bacitracin *A* **B-00002**

[22601-59-8]



$C_{66}H_{103}N_{17}O_{16}S$ M 1422.704

Cyclic peptide antibiotic. Major component of the polypeptide antibiotic Bacitracin, elaborated by *Bacillus licheniformis* and *B. subtilis*. Shows broad-spectrum activity, used clinically as topical agent. Permitted food additive for animal and human consumption. Hygroscopic amorph. powder. $[\alpha]_D^{23}$ +5° (c, 0.1 in 0.02N HCl). Nontoxic in human fibroblast cells. Coml. prod. contains small quantities of other components.

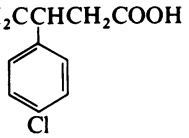
▷CP0350000.

Newton, G.G.F. *et al*, *Biochem. J.*, 1950, **47**, 257.
Lockhart, I.M. *et al*, *Biochem. J.*, 1955, **61**, 534 (*struct*)
Weisiger, J.R. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 731, 3123 (*struct*)
Ressler, C. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 2025 (*struct*)
Galardy, R.E. *et al*, *Biochemistry*, 1971, **10**, 2429 (*conformn*)
Tsuji, K. *et al*, *J. Chromatogr.*, 1975, **112**, 663 (*chromatog*)
Storm, D.R. *et al*, *Antibiotics* (*N.Y.*), 1979, **5**, 1 (*rev*)
Brewer, G.A., *Anal. Profiles Drug. Subst.*, 1980, **9**, 1 (*rev*)
Toscano, W.A. *et al*, *Pharmacol. Ther.*, 1982, **16**, 199 (*pharmacol, rev*)
Froeyshov, O., *Drugs Pharm. Sci.*, 1984, **22**, 665 (*isol, props, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8368.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 342.

Baclofen, BAN, USAN, INN, JAN **B-00003**

β-(Aminomethyl)-4-chlorobenzenepropanoic acid, 9CI.
*β-(Aminomethyl)-p-chlorohydrocinnamic acid, 8CI. Baclon. Gabalon. Lioresal. Spastin. Ba 34647. C 34647*Ba

[1134-47-0]



$C_{10}H_{12}ClNO_2$ M 213.663

▷MW5084200.

(±)-*form* [62594-36-9]

Muscle relaxant. Cryst. (H_2O). Mp 206-208°.

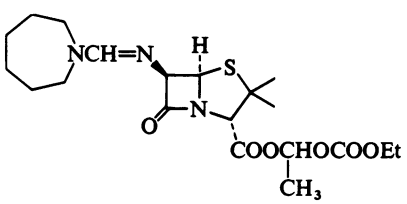
B,HCl: Mp 179-181°.

Swiss Pat., 449 046, (*1968*); *CA*, **69**, 106273f (*synth*)
Brogden, R.N. *et al*, *Drugs*, 1974, **8**, 1 (*pharmacol, rev*)
Witczuk, B. *et al*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 187 (*resoln, pharmacol*)
Chang, C. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2065 (*cryst struct, bibl*)
Ahuja, S., *Anal. Profiles Drug Subst.*, 1985, **14**, 527 (*rev, pharmacol*)
Wuis, E.W. *et al*, *J. Chromatogr.*, 1987, **415**, 419 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5702.

Bacmecillinam, INN **B-00004**

KW 1100

[50846-45-2]



$C_{20}H_{31}N_3O_6S$ M 441.541

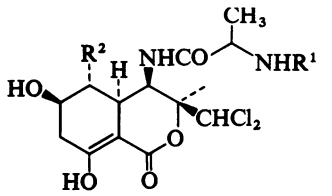
Semisynthetic penicillin. Antibacterial agent. Prodrug of Mecillinam. Oil.

B.P., 1 427 139, (*1973*); *CA*, **80**, 14920p (*synth*)
Roholt, J. *et al*, *J. Antimicrob. Chemother.*, 1977, **3** (*Suppl. B*), 71 (*rev, props*)
U.S.P., 4 089 963, (*1978*); *CA*, **90**, 23038 (*synth*)
Sawa, K. *et al*, *Chemotherapy* (*Tokyo*), 1985, **33**, Suppl. 3 (*props*)

Bactobolin *A* B-00005

Bactobolin. BN 183B. NSC 325014. Y 12278. Antibiotic BN 183B. Antibiotic Y 12278

[72615-20-4]



$R^1 = H, R^2 = OH$

$C_{14}H_{20}Cl_2N_2O_6$ M 383.228

Isol. from *Pseudomonas yoshitomiensis*. Active against gram-positive and -negative bacteria, tumours and viruses. λ_{max} 264 nm.

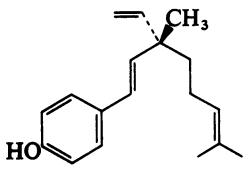
B,HCl: Monohydrate. Mp 220-222°. $[\alpha]_D^{25}$ −6.3° (c, 1 in H_2O).

N-*Ac:* Mp 253-254°.

Ezaki, N. *et al, J. Antibiot.*, 1980, **33**, 213 (*isol, props*)
Okumoto, T. *et al, J. Pharmacobio-Dyn.*, 1980, **3**, 177 (*props*)
Japan. Pat., 81 22 777, (*1981*); *CA*, **95**, 5127
Munakata, T. *et al, Agric. Biol. Chem.*, 1983, **47**, 929 (*manuf*)
Yoshioka, M. *et al, Heterocycles*, 1984, **21**, 151 (*synth*)
Askin, D., *Diss. Abstr. Int. B*, 1986, **46**, 3843 (*synth*)

Bakuchiol B-00006

4-(3-Ethenyl-3,7-dimethyl-1,6-octadienyl)phenol, 9CI. 1-(4-Hydroxyphenyl)-3,7-dimethyl-3-vinyl-1,6-octadiene



(S)-form
Absolute configuration

$C_{18}H_{24}O$ M 256.387

Antibacterial agent.

(S)-(E)-form [10309-37-2]

Constit. of *Psoralea corylifolia*. Oil. $Bp_{0.7}$ 145-147°. $[\alpha]_D^{30}$ +37.2°.

▷SL3785000.

Me ether: [10309-44-1]. Oil. $Bp_{0.13}$ 123-124°.

3,5-Dinitrobenzyl: [10470-42-5]. Mp 135-136°.

(±)-(E)-form

Oil.

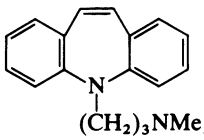
Me ether: Oil. $Bp_{0.13}$ 123-124°. n_D^{25} 1.5305.

Carnduff, J. *et al, J. Chem. Soc. (C)*, 1968, 2671 (*synth*)
Dev, S. *et al, Tetrahedron*, 1973, **29**, 1119 (*isol, struct*)
Bhalla, V.K. *et al, Tetrahedron*, 1973, **29**, 1127 (*abs config*)
Damodaran, N.P. *et al, Tetrahedron*, 1973, **29**, 1209 (*synth*)
Chugh, O.P. *et al, J. Indian Chem. Soc.*, 1976, **53**, 368 (*synth*)
Jungk, S. *et al, Experientia*, 1978, **34**, 1121 (*biosynth*)
Prikhod'ko, V.A. *et al, Mikrobiol. Zh. (Kiev)*, 1980, **42**, 646 (*pharmacol, tox*)
Banerji, A. *et al, Phytochemistry*, 1983, **22**, 1945; 1984, **23**, 1605 (*biosynth*)

Balipramine, BAN B-00007

N,N-*Dimethyl-5H-dibenz*[b,f]*azepine-5-propanamine, 9CI. 5-*[*3-(Dimethylamino)propyl*]*-5H-dibenz*[b,f]*-azepine, 8CI.* ***Depramine, INN****. Dehydroimipramine. GP 31406*

[303-54-8]



$C_{19}H_{22}N_2$ M 278.396

Antidepressant and antiparkinsonian drug. Orange-red oil. $Bp_{0.4}$ 160-170°. Usually administered as maleate.

▷HO1480000.

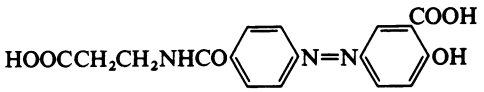
Maleate (1:1): [25019-87-8]. Cryst. (EtOH/Et_2O). Mp 148-149.5°.

Craig, P.N. *et al, J. Org. Chem.*, 1961, **26**, 135 (*synth*)
Bickel, M.H. *et al, Int. J. Neuropharmacol.*, 1964, **3**, 611 (*pharmacol*)
Theobald, W. *et al, Pain, Proc. Int. Symp.*, 1967, 239 (*pharmacol*)
Varma, R.S. *et al, J. Med. Chem.*, 1969, **12**, 913 (*synth, props*)
Schmolka, S.J. *et al, Synthesis*, 1984, 29 (*synth*)

Balsalazide, BAN, INN B-00008

5-[*[4-*[*[(1-Carboxyethyl)amino*]*carbonyl*]*phenyl*]*azo-2-hydroxybenzoic acid, 9CI. 5-*[*4-(2-Carboxyethylcarbamoyl)phenylazo*]*salicylic acid*

[80573-04-2]



$C_{17}H_{15}N_3O_6$ M 357.322

Drug used for treatment of ulcerative colitis; antibacterial agent. Cryst. (EtOH). Mp 254-255°.

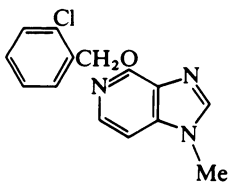
Di-Na salt: [82101-18-6]. *BX 661A.*

B.P., 2 080 796, (*1982*); *CA*, **97**, 23470v (*synth, pharmacol*)
Chan, R.P. *et al, Dig. Dis. Sci.*, 1983, **28**, 609 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16525.

Bamaluzole, INN B-00009

4-[*(2-Chlorophenyl)methoxy*]*-1-methyl-1H-imidazo*[*4,5-c*]*pyridine, 9CI*

[87034-87-5]



$C_{14}H_{12}ClN_3O$ M 273.721

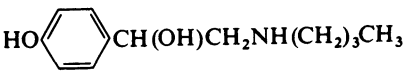
GABAergic neurotransmitter agonist. Mp 132-135°.

Eur. Pat., 82 369, (*1983*); *CA*, **100**, 6509 (*synth*)

Bamethan, BAN, INN **B-00010**

α-[(Butylamino)methyl]-4-hydroxybenzenemethanol, 9CI. α-[(Butylamino)methyl]-p-hydroxybenzyl alcohol, 8CI. Butylnorsynephrine. Butyloctopamine. Numerous proprietary names

[3703-79-5]



$C_{12}H_{19}NO_2$ M 209.288

▷DN9200000.

(±)-form [94-27-9]

Vasodilator. Mp 123.5-125°.

B,HCl: Mp 109-110°.

2B,H_2SO_4: [5716-20-1]. *Bamethan sulfate, USAN. Vasculit. Vascumicol.*

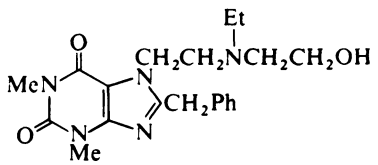
▷DN9205000.

Corrigan, J.R. *et al, J. Am. Chem. Soc.*, 1945, **67**, 1894 (*synth*)
Hujos, G.T. *et al, Arzneim.-Forsch.*, 1968, **18**, 1212 (*metab*)
Mikhalev, V.A. *et al, Khim.-Farm. Zh.*, 1970, **4**, 14; *CA*, **73**, 120228j (*synth*)
Hengstmann, J.A. *et al, Arzneim.-Forsch.*, 1981, **31**, 843 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2529 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9207.

Bamifylline, BAN, INN **B-00011**

7-[2-[Ethyl(2-hydroxyethyl)amino]ethyl]-3,7-dihydro-1,3-dimethyl-8-(phenylmethyl)-1H-purine-2,6-dione, 9CI. 8-Benzyl-7-[2-(N-ethyl-2-hydroxyethylamino)-ethyl]theophylline, 8CI. Bamiphylline. Benzetamophylline. Stofilin. Trentadil. AC 3810. BAX 2739Z. 8102 CB

[2016-63-9]



$C_{20}H_{27}N_5O_3$ M 385.465

Bronchodilator, coronary vasodilator. Mp 80-80.5°.

▷XH4900000.

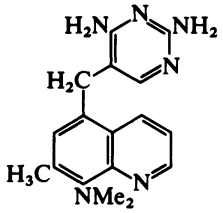
B,HCl: [20684-06-4]. *Bamifylline hydrochloride, USAN.* Mp 185-186°.

Georges, A. *et al, Therapie*, 1962, **17**, 211 (*pharmacol*)
B.P., 947 495, (*1964*); *CA*, **60**, 15892b (*synth*)
Georges, A. *et al, Arzneim.-Forsch.*, 1968, **18**, 460 (*tox*)
Dodion, L. *et al, Arzneim.-Forsch.*, 1969, **19**, 785 (*metab*)
Fourtillan, J.P. *et al, Therapie*, 1983, **38**, 647 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 629.

Baquiloprim, BAN, INN **B-00012**

5-[[8-(Dimethylamino)-7-methyl-5-quinolinyl]methyl-2,4-pyrimidinediamine, 9CI

[102280-35-3]



$C_{17}H_{20}N_6$ M 308.385

Antibacterial agent.

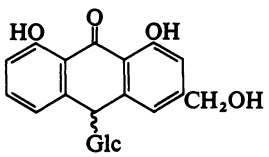
B,2HCl: [83011-15-8]. Cryst. (EtOH aq.). Mp 250-252° dec.

Eur. Pat., 51 879, (*1982*); *CA*, **97**, 127652 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2485.

Barbaloin **B-00013**

*10-β-D-Glucopyranosyl-1,8-dihydroxy-3-(hydroxymethyl)-9(10H)-anthracenone, 9CI. **Aloin, BAN**. Alophen*

[1415-73-2]



$C_{21}H_{22}O_9$ M 418.399

Found in Barbados aloes. Laxative. Yellow needles (EtOH). Sol. H_2O. Mp 150° (146-148°). $[\alpha]_D$ −8.3° (EtOH aq.), −10.4° (EtOAc).

▷LZ6520000.

Ac: Cryst. (pet. ether). Mp 95-96°.

Hepta-Me ether: [13954-21-7]. Prisms (EtOH). Mp 177-179°. $[\alpha]_{546}$−12.05° ($CHCl_3$).

8-β-D-Glucoside (stereoisomer 1): [53823-08-8]. ***Cascaroside* A**.

$C_{27}H_{32}O_{14}$ M 580.541

Constit. of *Rhamnus purshianus* (*Cascarae sagradae*). Cryst. + $2H_2O$. Mp 184-187°. $[\alpha]_D^{30}$ +36.8° (MeOH). Cascarosides *A* and *B* are a pair of 10-epimers (config. unknown) which equilibrate *via* the anthranol tautomer in Py/DMSO soln.

8-β-D-Glucoside (stereoisomer 2): ***Cascaroside* B**.

$C_{27}H_{32}O_{14}$ M 580.541

From *R. purshianus*. Cryst. + $2H_2O$. Mp 175-178°. $[\alpha]_D^{30}$ −104.4° (MeOH).

1'-Deoxy, 8-β-D-Glucoside (stereoisomer 1): ***Cascaroside* C**.

$C_{27}H_{32}O_{13}$ M 564.542

From *R. purshianus*. Cascarosides *C* and *D* are a pair of epimers resembling Cascarosides *A* and *B* but lacking the primary OH group.

1'-Deoxy, 8-β-D-Gluconate (stereoisomer 2): [53861-35-1]. ***Cascaroside* D**.

$C_{27}H_{32}O_{13}$ M 564.542

From *R. purshianus*.

Owen, L. *et al, J. Am. Chem. Soc.*, 1942, **64**, 2516 (*struct*)
Mühlemann, H., *Pharm. Acta Helv.*, 1952, **27**, 17 (*struct*)
Birch, A.J. *et al, Aust. J. Chem.*, 1955, **8**, 523 (*struct*)
Hay, J.E. *et al, J. Chem. Soc.*, 1956, 3141 (*struct*)
Piox, A., *Tetrahedron*, 1968, **24**, 3697 (*ms*)
Wagner, H. *et al, Z. Naturforsch., C*, 1974, **29**, 444; *Z. Naturforsch., B*, 1976, **31**, 267 (*Cascarosides*)

Evans, F.J. *et al*, *Biomed. Mass Spectrom.*, 1979, **6**, 374 (*ms*)
Auterhoff, H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1980, **313**, 113 (*resoln*)
Rauwald, H.W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 362 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7502.

Barium sulfate, USAN, BAN **B-00014**

Barosperse. Barotrast. Esophotrast. Oratrast. Travad. Numerous proprietary names

[7727-43-7]

$BaSO_4$

BaO_4S M 233.388

Diagnostic aid (radiopaque medium). Polymorph. cryst.

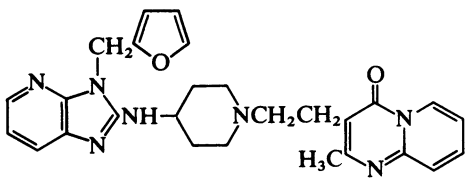
▷CR0600000.

Bentley, A. *et al*, *Pharm. J.*, 1987, **1**, 138 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1552.

Barmastine, INN **B-00015**

3-[2-[4-[[3-(2-Furanylmethyl)-3H-imidazo[4,5-b]-pyridin-2-yl]amino]-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one, 9CI. *R 57959*

[99156-66-8]



$C_{27}H_{29}N_7O_2$ M 483.572

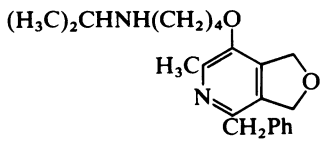
Antihistamine. Mp 202.4°.

Eur. Pat., 144 101, (*1985*); *CA*, **104**, 68856 (*synth, pharmacol*)
Awouters, F. *et al*, *Drug Dev. Res.*, 1986, **8**, 95 (*pharmacol*)

Barucainide, INN **B-00016**

4-[[1,3-Dihydro-6-methyl-4-(phenylmethyl)furo[3,4-c]pyridin-7-yl]oxy]-N-(1-methylethyl)-1-butanamine, 9CI

[79784-22-8]



$C_{22}H_{30}N_2O_2$ M 354.491

Antiarrythmic agent.

B,2HCl: Mp 198-199°.

Ger. Pats., 2 711 655, 2 711 656, (*1978*); *CA*, **90**, 6252, 103837 (*synth, pharmacol*)

Batroxobin, INN **B-00017**

Bothrops atrox serine proteinase, 9CI. *Botropase. Defibrase. Reptilase*

[9039-61-6]

Thrombin-like enzyme isol. from the venom of *Bothrops atrox*. Haemostatic. Used in peripheral arterial circulatory disorders. Rectangular cryst.

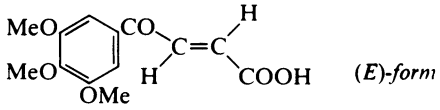
▷UK9588000.

von Klobusitzky, D., *Arch. Exp. Pathol. Pharmakol.*, 1935, **179**, 204 (*isol, props*)
Ger. Pat., 2 201 993, (*1972*); *CA*, **77**, 123384
Furie, B.C. *et al*, *Methods Enzymol.*, 1976, **45**, 191 (*rev, props*)
Stocker, K. *et al*, *Methods Enzymol.*, 1976, **45**, 214 (*props*)
Lowe, G.D.O., *Clin. Hemorheol.*, 1984, **4**, 15 (*rev, props*)

Baxitozine, INN **B-00018**

4-Oxo-4-(3,4,5-trimethoxyphenyl)-2-butenoic acid, 9CI. *RU 38086*

[84386-11-8]



(*E*)-*form*

$C_{13}H_{14}O_6$ M 266.250

(E)-form

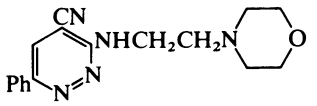
Gastric cytoprotective agent. Cryst. (EtOH aq.). Mp 144°.

Ger. Pat., 3 214 082, (*1982*); *CA*, **98**, 106982k (*synth, pharmacol*)
Barzaghi, F. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1412 (*pharmacol*)

Bazinaprine, INN **B-00019**

3-[[2-(4-Morpholinyl)ethyl]amino]-6-phenyl-4-pyridazinecarbonitrile, 9CI. *SR 95191*

[94011-82-2]



$C_{17}H_{19}N_5O$ M 309.370

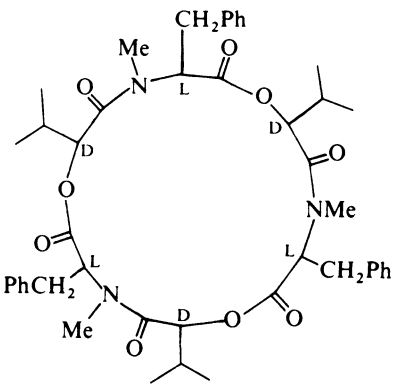
Psychotropic agent. Monoamine oxidase inhibitor. Yellow solid. Mp 138°.

B,2HCl: Cryst. (2-propanol). Mp 144° dec.

Eur. Pat., 116 494, (*1984*); *CA*, **102**, 24642 (*synth*)
Kan, J.P. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **240**, 241, 251 (*pharmacol*)

Beauvericin **B-00020**

[26048-05-5]



$C_{45}H_{57}N_3O_9$ M 783.960

Cyclic depsipeptide antibiotic. Isol. from *Beauvaria bassiana, Paecilomyces fumoso-roseus* and *Polyporus sulphureus*. Antifungal agent, active against insects. Needles (MeOH aq.). Mp 93-94°, 147-148° (dimorph). $[\alpha]_D^{25}$ +65.8° (c, 1 in MeOH). Readily forms complexes with alkali metals.

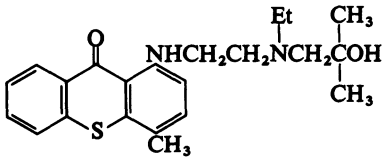
Hamill, R.L. *et al*, *Tetrahedron Lett.*, 1969, 4255 (*isol, struct*)
Ovchinnikov, Yu.A. *et al*, *Tetrahedron Lett.*, 1971, 159 (*synth*)

Bernardini, M. *et al*, *Phytochemistry*, 1975, **14**, 1865 (*isol*)
Geddes, A.J. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 3164 (*cryst struct*)
Braden, B.C., *Diss. Abstr. Int. B*, 1978, **39**, 2094 (*props*)
Deol, B.S. *et al*, *Aust. J. Chem.*, 1978, **31**, 1397 (*isol*)
Braden, B. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 2704 (*cryst struct*)
Abu Khaled, M. *et al*, *Biochim. Biophys. Acta*, 1982, **704**, 186 (*pmr, conformn*)
Steinrauf, L.K., *Met. Ions Biol. Syst.*, 1985, **19**, 139 (*rev*)

Becanthone B-00021

1-[[2-[Ethyl(2-hydroxy-2-methylpropyl)amino]ethyl]-amino]-4-methyl-9H-thioxanthen-9-one, *9CI, 8CI*. ***Becantone, INN***. *Loranil. NSC 15796. Win 13820*

[15351-04-9]



$C_{22}H_{28}N_2O_2S$ M 384.535

Antischistosomal, tumour inhibitor.

B,HCl: [5591-22-0]. *Becanthone hydrochloride*, *USAN*. Mp 157.6-160.4°.

Blanz, E.J. *et al*, *J. Med. Chem.*, 1963, **9**, 185 (*synth, pharmacol*)

Beclamide, BAN, INN B-00022

3-Chloro-N-(phenylmethyl)propanamide, *9CI*. *N-Benzyl-3-chloropropionamide. Benzopropamid. Chloracon. Corintol. Diacalm. Hibicon. Nydrane. Other proprietary names*

[501-68-8]

$ClCH_2CH_2CONHCH_2Ph$

$C_{10}H_{12}ClNO$ M 197.664

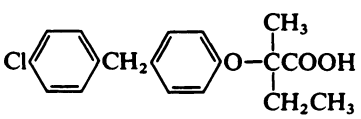
Anticonvulsant. Large cryst. (MeOH). Mp 94°.

▷UE3150000.

Kushner, S. *et al*, *J. Org. Chem.*, 1951, **16**, 1283 (*synth*)
Harned, B.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **107**, 408 (*pharmacol*)
Nicholls, P.J. *et al*, *Xenobiotica*, 1979, **9**, 129 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6604.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1520.

Beclobrinic acid B-00023

2-[4-[(4-Chlorophenyl)methyl]phenoxy]-2-methylbutanoic acid, *9CI*



$C_{18}H_{19}ClO_3$ M 318.799

(±)-form [71548-88-4]

Sgd 6-75

Hypocholesterolaemic drug. No phys. props. reported.

Et ester: [55937-99-0]. ***Beclobrate, BAN, INN***. *Beclosclerin. Turec. Sgd 24774.*

$C_{20}H_{23}ClO_3$ M 346.853

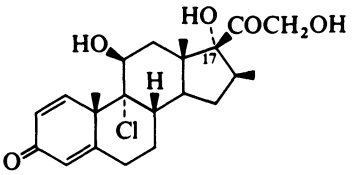
Hypocholesterolaemic drug. Yellow oil. $Bp_{0.3}$ 198-210°.

Thiele, K. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 711 (*synth, pharmacol*)
Adrian, R.W. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1464, 1469, 1471 (*pharmacol*)
Roth, W. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 244 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12421.

Beclomethasone, BAN B-00024

9-Chloro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione, *9CI*. ***Beclometasone, INN***

[4419-39-0]



$C_{22}H_{29}ClO_5$ M 408.921

Corticosteroid.

21-Ac, 17-Pentanoyl: [57780-94-6]. ***Beclometasone valeroacetate***.

$C_{29}H_{39}ClO_7$ M 535.076

Glucocorticoid. Topical antiinflammatory agent. Mp 117-119°. $[\alpha]_D$ +94° (c, 0.96 in $CHCl_3$).

17,21-Dipropanoyl: [5534-09-8]. ***Beclometasone dipropionate, JAN, USAN***. *Beclovent. Bezonase. Numerous proprietary names.*

$C_{28}H_{37}ClO_7$ M 521.049

Glucocorticoid. Topical antiinflammatory. Used in treatment of asthma and rhinitis. Mp 117-120° dec. $[\alpha]_D$ +98.0° (c, 1 in dioxan).

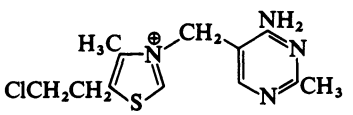
▷TU3805000.

B.P., 912 378, (*1962*); *CA*, **59**, 14082
Belg. Pat., 649 170, (*1964*); *CA*, **64**, 15958 (*synth, derivs*)
Duax, W.L. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 383 (*cryst struct, dipropionate*)
Small, P. *et al*, *Ann. Allergy*, 1982, **49**, 127 (*rev, use*)
Brogden, R.N. *et al*, *Drugs*, 1984, **28**, 99 (*rev, dipropionate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1062.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7685 (*synonyms*)

Beclotiamine(1+), INN B-00025

3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-chloroethyl)-4-methylthiazolium(1+), *9CI*. *5-Chloroethylthiamine*, *8CI*

[20166-17-0]



$C_{12}H_{16}ClN_4S^{\oplus}$ M 283.798 (ion)

Coccidiostat for poultry.

Chloride: [13471-78-8]. *Chlorothiamine. Clotiamine.*

$C_{12}H_{16}Cl_2N_4S$ M 319.251

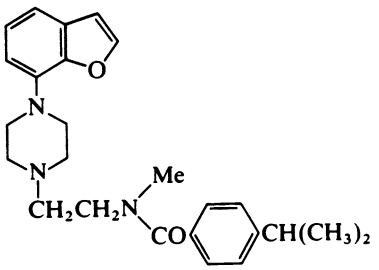
1,5-Naphthalenedisulfonate: Mp 276° dec.

B.P., 1 141 055, (*1966*); *CA*, **71**, 111875z (*synth, pharmacol*)
Levorato, C. *et al*, *J. Chromatogr.*, 1968, **32**, 771 (*tlc*)
Yamazaki, M. *et al*, *Poultry Sci.*, 1971, **50**, 1415 (*metab, tox*)

Befiperide, INN **B-00026**

N-[2-[4-(7-*Benzofuranyl*)-1-*piperazinyl*]*ethyl*]-N-*methyl*-4-(1-*methylethyl*)*benzamide*, 9CI. *DU 29325. EN 122929*

[100927-14-8]



$C_{25}H_{31}N_3O_2$ M 405.539

Antipsychotic, 5-HT receptor agonist.

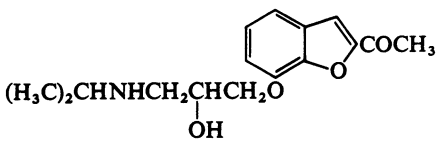
B,HCl: EN 145-142. Mp 245° dec.

van der Heyden, J.A.M. *et al*, *Drugs Future*, 1988, **13**, 939 (*rev*)
Eur. Pat., 190 472, (*1986*); *CA*, **105**, 153081p (*synth*)

Befunolol, INN **B-00027**

1-[7-[2-*Hydroxy*-3-[(1-*methylethyl*)*amino*]*propoxy*]-2-*benzofuranyl*]*ethanone*, 9CI. 7-[[2-*Hydroxy*-3-(*isopropylamino*)*propoxy*]-2-*benzofuranyl*]*methyl ketone*

[39552-01-7]



$C_{16}H_{21}NO_4$ M 291.346

Enantiomers synthesised. The active drug is the alcohol, dihydrobefunolol.

▷OB4310000.

(±)-*form*

β-Adrenergic blocking agent. Mp 115°. LD_{50} 100 mg./kg. (mice, i.v.).

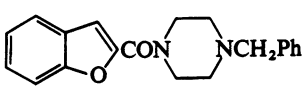
B,HCl: Befunolol hydrochloride, *JAN. Benfuran. Bentos. Glauconex. BFF-60.*

Ger. Pat., 2 223 184, (*1972*); *CA*, **78**, 43256r (*synth, pharmacol*)
Japan. Pat., 74 41 358, (*1974*); *CA*, **81**, 105258r (*synth, pharmacol*)
Itoh, K. *et al*, *Yakugaku Zasshi*, 1978, **98**, 297 (*resoln, abs config*)
Kawahara, K. *et al*, *J. Chromatogr.*, 1979, **168**, 266 (*tox, anal, metab*)
Imamura, Y. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 708 (*metab*)
Nakano, J. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1399 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16528.

Befuraline, INN **B-00028**

1-(2-*Benzofuranylcarbonyl*)-4-(*phenylmethyl*)-*piperazine*, 9CI. 1-*Benzyl*-4-(2-*benzofurancarbonyl*)-*piperazine*

[41717-30-0]



$C_{20}H_{20}N_2O_2$ M 320.390

Antidepressant (phosphodiesterase inhibitor).

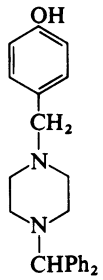
B,HCl: [41716-84-1]. *DIV 154.* Cryst. (MeOH). Mp 238° dec. Subl. 170°.

Ger. Pat., 2 157 424, (*1973*); *CA*, **79**, 42553u (*synth, pharmacol*)
Komarek, J. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 2066 (*pharmacol, tox*)
Boksay, I.J.E. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 193 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12422.

Belarizine, INN **B-00029**

4-[[4-(*Diphenylmethyl*)-1-*piperazinyl*]*methyl*]*phenol*, 9CI. α-[4-(*Diphenylmethyl*)-1-*piperazinyl*]-p-*cresol*. 1-(*Diphenylmethyl*)-4-(p-*hydroxybenzyl*)*piperazine*

[52395-99-0]



$C_{24}H_{26}N_2O$ M 358.482

Cerebral vasodilator. Cryst. (dioxan). Mp 110°.

B,2HCl: [52396-00-6]. Mp 225°.

Phosphate: [52396-01-7].

Ger. Pat., 2 226 767, (*1973*); *CA*, **80**, 70839f (*synth, pharmacol*)

Belladonna (Extract), USAN **B-00030**

[8027-38-1]

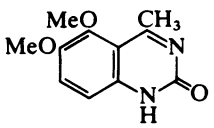
Extract obtd. from leaves and root of *Atropa belladonna*. Contains several alkaloids including atropine, hyoscyamine and scopolamine. Anticholinergic agent. Component of Butibel-zyme, Chardonna, Wyanoids.

Buechi, J. *et al*, *Pharm. Acta Helv.*, 1965, **40**, 361 (*isol*)
Stahl, E. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1288 (*detn*)
Genest, K. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 16 (*rev*)
Sodeman, W.A. *et al*, *Med. Clin. N. Amer.*, 1969, **53**, 1379 (*pharmacol*)
Gaignault, J.C. *et al*, *Actual. Chim.*, 1982, 7 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 339.

Bemarinone, INN **B-00031**

5,6-*Dimethoxy*-4-*methyl*-2(1H)-*quinazolinone*, 9CI. *ORF 16600*

[92210-43-0]



$C_{11}H_{12}N_2O_3$ M 220.227

Cardiotonic. Phosphodiesterase inhibitor. Yellow cryst. (2-propanol). Mp 230-232°.

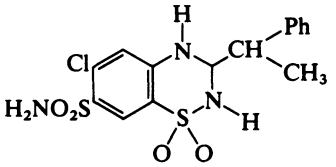
B,HCl: [101626-69-1]. *Bemarinone hydrochloride*, *USAN.* Yellow cryst. + $1H_2O$ (Me_2CO). Mp 208-210°.

Press, J.B. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 1821 (*synth*)
Bandurco, V.T. *et al*, *J. Med. Chem.*, 1987, **30**, 1421 (*synth, pharmacol*)
Falotico, R. *et al*, *Drug Dev. Res.*, 1988, **12**, 241 (*pharmacol*)

Bemetizide, BAN, INN **B-00032**

6-Chloro-3,4-dihydro-3-(1-phenylethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. 6-Chloro-3,4-dihydro-3-(α-methylbenzyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 8CI. Dehydrosanol active substance. Diu 60. Su-7078

[1824-52-8]



$C_{15}H_{16}ClN_3O_4S_2$ M 401.882

Diuretic. Cryst. (EtOAc/hexane). Mp 231-232°.

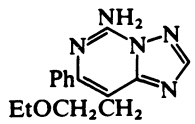
▷DK8190000.

Topliss, J.G. *et al, J. Org. Chem.*, 1961, **26**, 3842 (*synth*)
Jacobi, H. *et al, Arzneim.-Forsch.*, 1966, **16**, 1186 (*synth, spectra, pharmacol*)
Ger. Pat., 1 570 023, (*1976*); *CA*, **85**, 21483e (*synth*)
Piper, C. *et al, Arzneim.-Forsch.*, 1983, **33**, 988 (*pharmacol*)
Waechter, W. *et al, Pharm. Ind.*, 1983, **45**, 1000 (*hplc*)
Blaschke, G. *et al, J. Pharm. Sci.*, 1985, **74**, 438 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12423.

Bemitradine, INN **B-00033**

8-(2-Ethoxyethyl)-7-phenyl[1,2,4]triazolo[1,5-c]-pyrimidin-5-amine, 9CI. SC 33643

[88133-11-3]



$C_{15}H_{17}N_5O$ M 283.332

Antihypertensive, diuretic.

U.S.P., 4 405 780, (*1983*); *CA*, **100**, 6550 (*synth*)
Walsh, G.M. *et al, CA*, 1985, **103**, 343; 1988, **108**, 16005 (*pharmacol*)

Benactyzine, BAN, INN **B-00034**

α-Hydroxy-α-phenylbenzeneacetic acid 2-(diethylamino)ethyl ester, 9CI. Benzilic acid 2-(diethylamino)ethyl ester, 8CI. Numerous proprietary names

[302-40-9]

$Ph_2C(OH)COOCH_2CH_2NEt_2$

$C_{20}H_{25}NO_3$ M 327.422

Analgesic, anaesthetic, anticholinergic agent. Mp 51°.

▷DD2480000.

B,HCl: [57-37-4]. *Suavitil. Actozine. Amizil. Cevanol. Parasan. Tranquillin. Numerous proprietary names.* Cryst. (Me_2CO). Sol. H_2O, insol. Et_2O. Mp 177-178° (154-155°).

▷DD2800000.

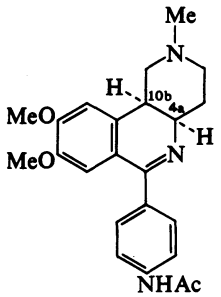
N-*Me: see Methylbenactyzium(1+), M-00227*

Blicke, F.F., *J. Am. Chem. Soc.*, 1954, **76**, 3161 (*synth*)
Fournier, E. *et al, Therapie*, 1962, **17**, 1245 (*pharmacol, tox*)
Eldeson, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1970, **187**, 139 (*metab*)
Saferstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1284 (*ms*)
Granger, R. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 404 (*synth, pharmacol*)
Larsson, L. *et al, Acta Pharm. Suec.*, 1974, **11**, 304 (*ir*)
Petcher, T.J., *J. Chem. Soc., Perkin Trans. 2*, 1974, 1151 (*cryst struct*)
Siek, T.J. *et al, J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5795 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7005.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 371.

Benafentrine, INN **B-00035**

N-*[4-(1,2,3,4,4a,10b-Hexahydro-8,9-dimethoxy-2-methylbenzo[c][1,6]naphthyridin-6-yl)-phenylacetamide, 9CI. Hexahydro-8,9-dimethoxy-2-methylbenzo[c][1,6]naphthyridin-6-yl)acetanilide*

[35135-01-4]



$C_{23}H_{27}N_3O_3$ M 393.485

(4aRS,10bSR)-form

(±)-cis-*form*

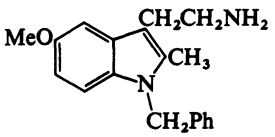
Antithrombotic agent. Cryst. (Me_2CO). Mp 173-175°.

Ger. Pat., 2 123 328, (*1971*); *CA*, **76**, 72495g (*synth, pharmacol*)

Benanserin **B-00036**

5-Methoxy-2-methyl-1-(phenylmethyl)-1H-indole-3-ethanamine, 9CI. 3-(2-Aminoethyl)-1-benzyl-5-methoxy-2-methylindole. Benzylantiserotonin. BAS

[441-91-8]



$C_{19}H_{22}N_2O$ M 294.396

Serotonin antagonist.

B,HCl: [525-02-0]. Mp 230-231°.

▷NL4025000.

Shaw, E., *J. Am. Chem. Soc.*, 1955, **77**, 4319 (*synth*)
Sletzinger, M. *et al, Chem. Ind. (London)*, 1957, 1215 (*synth*)
Domschke, G. *et al, J. Prakt. Chem.*, 1963, **21**, 85 (*synth*)
Giler, A.P. *et al, Farmakol. Toksikol.*, 1968, **31**, 329 (*pharmacol*)
Winter, C.A., *Rhumatologie (Paris)*, 1972, **2**, 57 (*rev*)
Barnard, E.A. *et al, Ann. N.Y. Acad. Sci.*, 1979, **317**, 374 (*pharmacol*)

Benapryzine, BAN **B-00037**

α-Hydroxy-α-phenylbenzeneacetic acid 2-(ethylpropylamino)ethyl ester, 9CI. Benzilic acid 2-(ethylpropylamino)ethyl ester, 8CI. **Benaprizine, INN**

[22487-42-9]

$Ph_2C(OH)COOCH_2CH_2NEtCH_2CH_2CH_3$

$C_{21}H_{27}NO_3$ M 341.449

Antiparkinsonian, anticholinergic agent. Used mainly as hydrochloride.

B,HCl: [3202-55-9]. *Benapryzine hydrochloride, USAN. Brizin. AP 1288. BRL 1288.* Plates (butanone). Mp 164-166°.

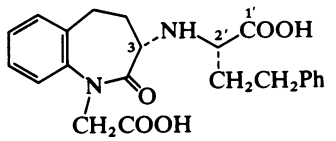
▷DD3590000.

Brown, D.M. *et al, Br. J. Pharmacol.*, 1973, **47**, 476 (*pharmacol*)
U.S.P., 3 746 743, (*1973*); *CA*, **79**, 78413u (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 341.

Benazeprilat, INN **B-00038**

3-[(1-Carboxy-3-phenylpropyl)amino]-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepine-1-acetic acid, 9CI

[89747-91-1]



(*2'S,3S*)-*form*

$C_{22}H_{24}N_2O_5$ M 396.442

(***2'S,3S*)-*form*** [86541-78-8]
CGS 14831
Antihypertensive agent (angiotensin converting enzyme inhibitor). Mp 270-272°. $[\alpha]_D$ −200.5° (c, 1 in 3% NH_4OH). Other diastereoisomers have been synth.

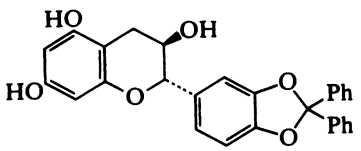
1'-Mono-Et ester: [86541-75-5]. ***Benazepril, INN***.
$C_{24}H_{28}N_2O_5$ M 424.496
Antihypertensive agent (ACE inhibitor).

1'-Mono-Et ester; B,HCl: [86541-74-4]. *Benazepril hydrochloride, USAN. CGS 14824A.* Cryst. (3-pentanone/MeOH). Mp 188-190°. $[\alpha]_D$ −141.0° (c, 0.9 in EtOH).

Waeber, G. *et al, Eur. J. Clin. Pharmacol.*, 1981, **31**, 643 (*ester*)
Schaller, M.D. *et al, Eur. J. Clin. Pharmacol.*, 1985, **28**, 267 (*ester*)
Watthey, J.W.H. *et al, J. Med. Chem.*, 1985, **28**, 1511 (*synth, pharmacol*)
Kaiser, G. *et al, J. Chromatogr.*, 1987, **419**, 123 (*glc, ms*)
Boyer, S.K. *et al, Helv. Chim. Acta*, 1988, **71**, 337 (*synth, ir, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18951.

Bencianol, INN **B-00039**

2-(2,2-Diphenyl-1,3-benzodioxol-5-yl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol, 9CI. 3',4'-[(Diphenylmethylene)dioxy]-3,5,7-flavantriol. 3,4'-O,O-Diphenylmethylenecyanidan-3-ol. Zy 15051



$C_{28}H_{22}O_6$ M 454.478

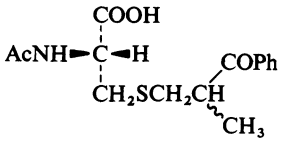
(***2R,3S*)-*form*** [85443-48-7]
Inhibitor of galactosamine oedema; hepatoprotectant. Cryst. (MeOH aq.). Mp 216-217°.

Eur. Pat., 96 008, (*1983*); *CA*, **100**, 138846v (*synth*)
Wahl, M. *et al, Arch. Int. Pharmacodyn. Ther.*, 1986, **280**, 205 (*pharmacol*)

Bencisteine, INN **B-00040**

N-Acetyl-S-(2-methyl-3-oxo-3-phenylpropyl)-L-cysteine, 9CI

[42293-72-1]

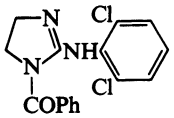


$C_{15}H_{19}NO_4S$ M 309.379
Antitussive, mucolytic agent. Cryst. (EtOH). Mp 90-91°.
Ger. Pat. 2 248 172, (*1973*); *CA*, **79**, 19112r (*synth, pharmacol*)

Benclonidine, INN **B-00041**

1-Benzoyl-N-(2,6-dichlorophenyl)-4,5-dihydro-1H-imidazol-2-amine, 9CI. 1-Benzoyl-2-(2,6-dichloroanilino)-2-imidazoline. ST 2225

[57647-79-7]

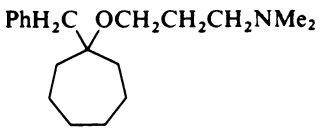


$C_{16}H_{13}Cl_2N_3O$ M 334.204
Antihypertensive agent. Cryst. (2-propanol). Mp 160-162°.
Ger. Pat., 2 521 709, (*1976*); *CA*, **84**, 180214p (*synth, pharmacol*)
B.P., 1 506 913, (*1978*); *CA*, **89**, 163571 (*synth*)

Bencyclane, INN **B-00042**

N,N-Dimethyl-3-[[1-(phenylmethyl)cycloheptyl]oxy]-1-propanamine, 9CI. 3-[(1-Benzylcycloheptyl)oxy]-N,N-dimethylpropylamine, 8CI. 1-Benzyl-1-(3-dimethylaminopropoxy)cycloheptane

[2179-37-5]



$C_{19}H_{31}NO$ M 289.460
Antispasmodic. Vasodilator. Platelet aggregation inhibitor. Bp_3 146-156°.

Fumarate (1:1): [14286-84-1]. *Halidor. Angiociclan. Dilangio. Vasorelax. Numerous proprietary names.* Cryst. (EtOH aq.). Mp 131-133°.

▷UH9450000.

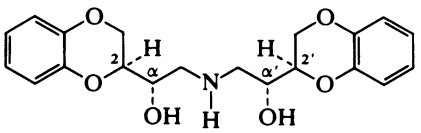
Picrate: Cryst. (2-propanol). Mp 102.5-103.5°.

Komolos, E., *Arzneim.-Forsch.*, 1970, **20**, 1337 (*pharmacol, numerous papers*)
Pallos, L. *et al, Arzneim.-Forsch.*, 1972, **22**, 1505 (*synth*)
Spanish Pat., 376 120, (*1972*); *CA*, **78**, 124147h (*synth*)
Ger. Pat., 2 457 571, (*1975*); *CA*, **84**, 16929e
Kimura, K. *et al, Xenobiotica*, 1979, **9**, 119 (*metab*)
Ogino, K. *et al, CA*, 1980, **93**, 19477c.
Eckard, R. *et al, Arzneim.-Forsch.*, 1985, **35**, 1587 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5500.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9208.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 352.

Bendacalol, INN **B-00043**

α,α'-[Iminobis(methylene)]bis[2,3-dihydro-1,4-benzodioxin-2-methanol], 9CI

[81703-42-6]



(2RS,2'SR,αSR,α'RS)form

$C_{20}H_{23}NO_6$ M 373.405

Other stereoisomers known.

(2RS,2'SR,αSR,α'RS)-form

Antihypertensive agent. Cryst. (EtOH). Mp 143-145°.

B,HCl: [81767-39-7]. Mp 150-152° dec.

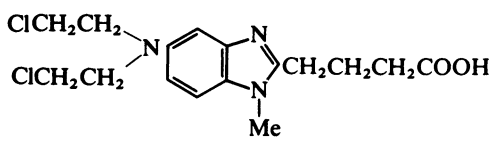
B,MeSO$_3$H: [81737-62-4]. *Bendacalol mesylate, USAN. CGS 10078*B. Mp 215-217°.

U.S.P., 4 313 955, (*1982*); *CA*, **96**, 199705 (*synth*)
Cavaliere, T.A. *et al*, *Drug Dev. Res.*, 1985, **6**, 345 (*pharmacol*)
Gallo, A. *et al*, *J. Hypertens.*, 1986, **4**, 351 (*pharmacol*)

Bendamustine, INN **B-00044**

5-[Bis(2-chloroethyl)amino]-1-methyl-1H-benzimidazole-2-butanoic acid, 9CI

[16506-27-7]



$C_{16}H_{21}Cl_2N_3O_2$ M 358.267

Antineoplastic agent.

▷Teratogenic in mice

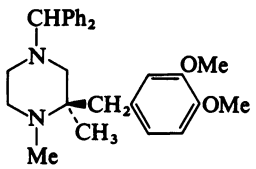
B,HCl: [3543-75-7]. *Cytostasan. IMET 3393.* Bitter tasting cryst. Mp 152-156°.

▷DE1590000.

Haertl, A. *et al*, *Zentralbl. Pharm.*, 1971, **110**, 1057 (*pharmacol*)
Hesse, G., *Zentralbl. Pharm.*, 1971, **110**, 1087 (*props*)
Ozegowski, W. *et al*, *Zentralbl. Pharm.*, 1971, **110**, 1013 (*synth*)
Heinecke, H. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 122 (*tox*)
Klose, G. *et al*, *Org. Magn. Reson.*, 1982, **19**, 15 (*pmr, bibl*)

Benderizine, INN **B-00045**

2-[(3,4-Dimethoxyphenyl)methyl]-4-(diphenylmethyl)-1,2-dimethylpiperazine, 9CI. 4-(Diphenylmethyl)-1,2-dimethyl-2-veratrylpiperazine



$C_{28}H_{34}N_2O_2$ M 430.589

(+)-form

Cryst. (isopropyl ether). Mp 101°. $[\alpha]_D^{20}$ +20.5° (c, 1.0 in MeOH).

(−)-form

Cryst. (isopropyl ether). Mp 102°. $[\alpha]_D^{20}$ −20.5° (c, 1.0 in MeOH).

(±)-form [59716-06-2]

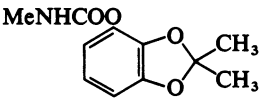
B,2HCl: Antiarrhythmic agent. Cryst. (EtOH). Mp 193°.

Ger. Pat., 2 438 725, (*1976*); *CA*, **85**, 46748h (*synth*)

Bendiocarb, BSI **B-00046**

2,2-Dimethyl-1,3-benzodioxol-4-yl methylcarbamate, 9CI. 2,3-Isopropylidenedioxyphenyl methylcarbamate. Ficam. Garvox

[22781-23-3]



$C_{11}H_{13}NO_4$ M 223.228

Agricultural and public health insecticide. Cryst. V. spar. sol. H_2O. Mp 129-130°.

▷FC1140000.

B.P., 1 220 056, (*1967*); *CA*, **71**, 38941m
Pesticide Manual, 6th Ed., 29.

Bendrofluazide, BAN **B-00047**

3,4-Dihydro-3-(phenylmethyl)-6-(trifluoromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. ***Bendroflumethiazide, INN****. Benzhydroflumethiazide. Numerous tradenames*

[73-48-3]



$C_{15}H_{14}F_3N_3O_4S_2$ M 421.409

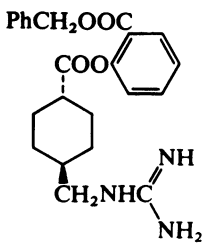
Diuretic, antihypertensive agent. Cryst. (MeOH/$CHCl_3$). Mp 228°.

▷DK8225000.

Topliss, J.G. *et al*, *J. Org. Chem.*, 1961, **26**, 3842 (*synth*)
Florey, K. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 13; 1977, **6**, 597 (*rev*)
Beermann, B. *et al*, *Clin. Pharmacol. Ther.*, 1977, **22**, 385 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3492 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2306.

Benexate, INN **B-00048**

2-[[[4-[[(Aminoiminomethyl)amino]methyl]-cyclohexyl]carbonyl]oxybenzoic acid phenylmethyl ester, 9CI. Beguhexate



trans-form

$C_{23}H_{27}N_3O_4$ M 409.484

trans-form [78718-52-2]

Antiulcerogenic. Gastric secretion inhibitor.

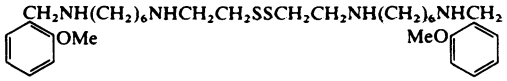
B,HCl: [78718-25-9]. *TKG 01.* Mp 82-84°.

Satoh, T. *et al*, *J. Pharmacobio-Dyn.*, 1982, **5**, S-51 (*pharmacol*)
Satoh, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 647 (*synth, pharmacol*)

Benextramine B-00049

N,N″-(*Dithiodi-2,1-ethanediyl*)*bis*[N′-[(*2-methoxyphenyl*)*methyl*]-*1,6-hexanediamine*, *9CI. BHC*

[69790-18-7]



$C_{32}H_{54}N_4O_2S_2$ M 590.924

α-Adrenoceptor blocker.

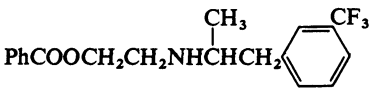
B,4HCl: [68535-69-3]. Cryst. + $1H_2O$ (EtOH). Mp 227-228°.

Melchiorre, C. *et al*, *J. Med. Chem.*, 1978, **21**, 1126 (*synth, pharmacol*)
Benfrey, B.G., *Trends Pharmacol. Sci.*, 1982, **3**, 470 (*rev*)
Plotek, Y. *et al*, *Eur. J. Biochem.*, 1983, **133**, 539 (*pharmacol*)
Alvarez, M. *et al*, *J. Med. Chem.*, 1987, **30**, 1186 (*synth, pharmacol*)

Benfluorex, INN B-00050

2-[[1-Methyl-2-[3-(trifluoromethyl)phenyl]ethyl]-amino]ethyl benzoate, *9CI. 2-[[α-methyl-m-(trifluoromethyl)phenethyl]amino]ethyl benzoate*, *8CI. Lipophoral. Mediaxal. Minolip. Modulator. Mediator. SE 780*

[23602-78-0]



$C_{19}H_{20}F_3NO_2$ M 351.368

▷KL8275000.

(±)-*form*

Amphetamine analogue, hypolipidaemic, hypocholesterolaeminc and anorectic agent.

B,HCl: [23642-66-2]. *S 992. JP 992.* Mp 161-162°.

Fr. Pat., M6 564, (*1969*); *CA*, **74**, 99622s (*synth*)
Firth, H. *et al*, *Br. J. Pharmacol.*, 1970, **39**, 462 (*pharmacol*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol.*, 1971, **23**, 950 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12424 (*HCl salt*)

Benfosformin, INN B-00051

[*Imino*[[*imino*[(*phenylmethyl*)*amino*]*methyl*]*amino*]-*methyl*]*phosphoramidic acid*, *9CI.* [(*Benzylamidino*)-*amidino*]*phosphoramidic acid*



$C_9H_{14}N_5O_3P$ M 271.215

Antihyperglycaemic agent.

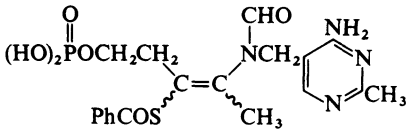
Di-Na salt: [52658-53-4]. *JAV 852.* Monohydrate. Mp 98.5-99.2°.

Ger. Pat., 2 130 303, (*1971*); *CA*, **76**, 59745u (*synth, pharmacol*)
Loiseau, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1576 (*pharmacol*)

Benfotiamine, INN B-00052

S-[*2-[[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-formylamino]-1-[2-(phosphonoxy)ethyl]-1-propenyl]-benzenecarbothioate*, *9CI. 8088 C.B.. Neurostop. Biotamin. Vitanervil. Benzoylthiamine monophosphate. Betivina. Numerous proprietary names*

[22457-89-2]



$C_{19}H_{23}N_4O_6PS$ M 466.448

Vitamin B_1 replacement, analgesic. Dihydrate. Mp 165° dec.

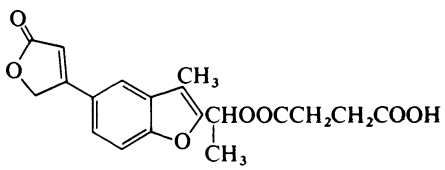
▷DH6910000.

Ger. Pat. 1 130 811, (*1962*); *CA*, **57**, 13764h (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7831.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5343 (*synonyms*)

Benfurodil hemisuccinate, INN B-00053

Mono[*1-[5-(2,5-dihydro-5-oxo-3-furanyl)-3-methyl-2-benzofuranyl]ethyl*] *butanedioate*, *9CI. 4-[2-(1-Hydroxyethyl)-3-methyl-5-benzofuranyl]-2(5H)-furanone succinate*, *8CI. 2-(1-Hydroxyethyl)-β-(hydroxymethyl)-3-methyl-5-benzofuranacrylic acid lactone hydrogen succinate. Clinodilat. Eucilat. Eudilat. CB 4091*

[3447-95-8]



$C_{19}H_{18}O_7$ M 358.347

Vasodilator. Cardiotonic. Pale-yellow cryst. (EtOAc). Mp 144°.

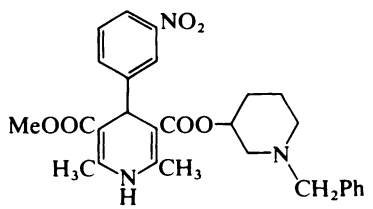
▷WM9700000.

Schmitt, J. *et al*, *Chim. Ther.*, 1966, 305 (*synth, pharmacol*)
Schmitt, J. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 74 (*synth*)
Tyfczynska, J., *Diss. Pharm. Pharmacol.*, 1968, **20**, 459 (*tlc*)
Galal, E.E. *et al*, *J. Drug Res.*, 1975, **7**, 95 (*pharmacol*)
Turcant, A. *et al*, *J. Chromatogr.*, 1979, **164**, 195 (*hplc*)
Turcant, A. *et al*, *Therapie*, 1979, **34**, 611 (*pharmacol*)
Monti, E. *et al*, *Farmaco, Ed. Prat.*, 1983, **38**, 334 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9210.

Benidipine, INN B-00054

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridine dicarboxylic acid methyl 1-(phenylmethyl)-3-piperidinyl ester, *9CI*

[105979-17-7]



$C_{28}H_{31}N_3O_6$ M 505.569

Antihypertensive agent, Ca entry blocker.

B,HCl: KW 3049. Yellow cryst. (EtOH). Mp 197-198°.

Eur. Pat., 106 275, (*1984*); *CA*, **101**, 110742 (*synth, pharmacol*)
Fuji, Y. *et al*, *J. Cardiovasc. Pharmacol.*, 1988, **11**, 438 (*pharmacol*)

Benmoxin, INN **B-00055**

Benzoic acid 2-(α-methylbenzyl)hydrazide. 1-Benzoyl-2-(1-phenylethyl)hydrazine. Neuralex. Nerusil

[7654-03-7]

$PhCH(CH_3)NHNHCOPh$

$C_{15}H_{16}N_2O$ M 240.304

▷MU8400000.

(±)-*form*

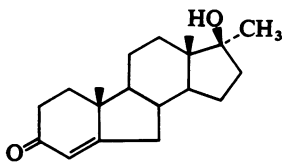
Antidepressant, monoamine oxidase inhibitor. Mp 87-88.5°.

Hoffmann, R.W. *et al*, *Chem. Ber.*, 1967, **100**, 1465 (*synth, ir, nmr*)
Palm, D. *et al*, *Eur. J. Clin. Pharmacol.*, 1971, **3**, 82 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2504.

Benorterone, USAN, INN **B-00056**

17β-Hydroxy-17α-methyl-B-norandrost-4-en-3-one. 17-Methyl-B-nortestosterone. FC 612. SKF 7690

[3570-10-3]



$C_{19}H_{28}O_2$ M 288.429

Antiandrogen. Cryst. (Me_2CO/pet. ether). Mp 155-156°. $[\alpha]_D^{20}$ −31.8°.

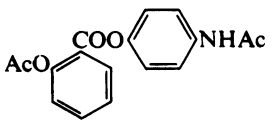
▷RB5890000.

Joska, J. *et al*, *Chem. Ind. (London)*, 1958, 1665
Joska, J. *et al*, *Collect. Czech. Chem. Commun.*, 1960, **25**, 1086 (*synth*)
Dorfman, R.I. *et al*, *Steroids*, 1964, **3**, 675, 687 (*pharmacol*)
Mahash, V.B. *et al*, *Steroids*, 1966, **8**, 297 (*pharmacol*)
U.S.P., 3 334 140, (*1967*); *CA*, **67**, 100332m (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12425.

Benorylate, BAN **B-00057**

2-(Acetyloxy)benzoic acid 4-(acetylamino)phenyl ester, 9CI. Salicylic acid acetate 4'-hydroxyacetanilide ester, 8CI. ***Benorilate, INN.*** *Benoral. Fenasprate. Paracetamol acetylsalicylate. Numerous proprietary names*

[5003-48-5]



$C_{17}H_{15}NO_5$ M 313.309

Analgesic, antiinflammatory, antipyretic. Cryst. (EtOH or MeOH). Mp 175-176°.

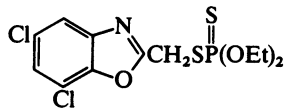
▷VO0720000.

Netherlands Pat., 6 504 517, (*1965*); *CA*, **64**, 8097 (*synth, pharmacol*)
Juby, P.F. *et al*, *Annu. Rep. Med. Chem.*, 1972, **7**, 208 (*rev*)
Murphy, E.J., *J. Int. Med. Res.*, 1972, **1**, 65 (*pharmacol, rev*)
Wright, V., *Scand. J. Rheumatol. Suppl.*, 1976, **13**, 5 (*rev*)
Rohrbach, P. *et al*, *Therapie*, 1977, **32**, 89 (*tox*)
Cailleux, P. *et al*, *Therapie*, 1979, **34**, 81 (*metab*)
De Vries, J., *Biochem. Pharmacol.*, 1981, **30**, 399 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4279 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2611.

Benoxafos, INN **B-00058**

S-[(5,7-Dichlorobenzoxazol-2-yl)methyl] O,O-diethyl-phosphorodithioate, 8CI. HOE 2910. Batestan

[16759-59-4]



$C_{12}H_{14}Cl_2NO_3PS_2$ M 386.247

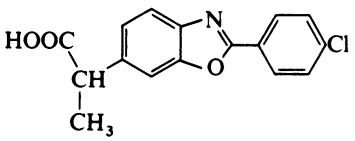
Pesticide. Mp 22-24°. Low toxicity claimed.

B.P., 1 149 563, (*1966*); *CA*, **68**, 21922w (*synth, pharmacol*)
Ger. Pat., 1 267 466, (*1968*); *CA*, **69**, 26297b (*tox, use*)

Benoxaprofen, BAN, INN, USAN **B-00059**

2-(4-Chlorophenyl)-α-methyl-5-benzoxazoleacetic acid, 9CI. Opren. Bexopron. Coxigon. Inflamid. Lilly 90459. LRCL 3794. Oraflex

[51234-28-7]



$C_{16}H_{12}ClNO_3$ M 301.729

Antiinflammatory, analgesic. Cream solid (EtOH). Mp 189-190°. Currently banned in UK due to side-effects. Withdrawn in 1982.

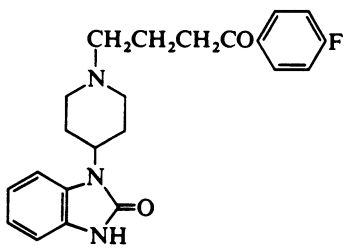
▷DM4447000.

Cockerill, A.F. *et al*, *J. Chromatogr.*, 1976, **129**, 339 (*synth*)
Smith, R.J., *J. Pharmacol. Exp. Ther.*, 1978, **207**, 618 (*pharmacol*)
U.S.P., 4 087 437, (*1978*); *CA*, **89**, 12499m (*synth*)
McKay, S.W. *et al*, *J. Chromatogr.*, 1979, **170**, 482 (*resoln*)
Furlanut, M. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1985, **5**, 165 (*pharmacol*)
Drew, M.G.B. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 174 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2612.

Benperidol, BAN, USAN, INN **B-00060**

1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one. Anquil. Benzperidol. Concilium. Frenactil. Frenactyl. Glianimon. Psicoben. 8089 CB. McN JR 4584. PB 806. R 4584

[2062-84-2]



$C_{22}H_{24}FN_3O_2$ M 381.449

Tranquilliser. Mp 170-172°.

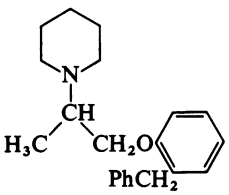
▷DE1900000.

B,HCl: Cryst. + $1H_2O$. Mp 134-142°.

Belg. Pat., 626 307, (*1 964*); *CA*, **60**, 10689 (*synth*)
Declercq, J.P. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2311 (*cryst struct*)
Leferink, J.G. *et al*, *J. Assoc. Off. Anal. Chem.*, 1977, **60**, 21 (*ms*)
Moerlein, S.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1984, **21**, 875 (*synth*)
Takla, P.G. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 245 (*rev*)
Gassim, A.E.H. *et al*, *Int. J. Pharm.*, 1986, **34**, 23 (*polymorphism*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7006.

Benproperine, INN **B-00061**

1-[1-Methyl-2-[2-(phenylmethyl)phenoxy]ethyl]-piperidine, 9CI. *1-[1-Methyl-2-[(α-phenyl-o-tolyl)oxy]-ethyl]piperidine,* 8CI. *1-[2-(2-Benzylphenoxy)-1-methylethyl]piperidine*



$C_{21}H_{27}NO$ M 309.450

(±)-***form*** [2156-27-6]

Antitussive drug. $Bp_{0.25}$ 164-167°.

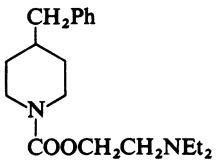
Phosphate: [19428-14-9]. *Pirexyl. Blascorid. Cofrel. Flaveric. Pectipront.* Mp 147-149°.

Danish Pat., 96 113, (*1963*); *CA*, **64**, 12649a (*synth, pharmacol*)
Kimura, Y. *et al*, *Japan J. Pharmacol.*, 1967, **17**, 538 (*pharmacol*)
Boehring-Kuhlmey, S.R., *Drugs of Today*, 1977, **13**, 221 (*rev, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12427.

Benrixate, INN **B-00062**

2-(Diethylamino)ethyl 4-benzyl-1-piperidinecarboxylate, 8CI. *4-(Phenylmethyl-1-piperidinecarboxylic acid 2-(diethylamino)ethyl ester*

[24671-26-9]



$C_{19}H_{30}N_2O_2$ M 318.458

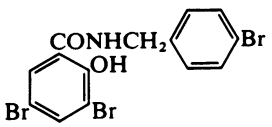
Antiarrhythmic agent. $Bp_{0.1}$ 170-175°.

Ger. Pat., 1 812 417, (*1969*); *CA*, **72**, 31634a (*synth, pharmacol*)

Bensalan, USAN, INN **B-00063**

3,5-Dibromo-N-[(4-bromophenyl)methyl]-2-hydroxybenzamide, 9CI. *3,5-Dibromo-N-(p-bromobenzyl)-salicylamide*

[15686-76-7]



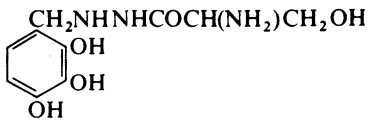
$C_{14}H_{10}Br_3NO_2$ M 463.951

Disinfectant.

Lemaire, H. *et al*, *J. Pharm. Sci.*, 1961, **50**, 831 (*synth, pharmacol*)
Fr. Pat., 1 501 151, (*1967*); *CA*, **70**, 11371t (*synth*)

Benserazide, BAN, INN, USAN **B-00064**

Serine 2-(2,3,4-trihydroxyphenyl)methylhydrazide, 9CI. *N-(Seryl)-N'-(2,3,4-trihydroxybenzyl)hydrazide,* 8CI. *Serazide. Ro 4-4602*



$C_{10}H_{15}N_3O_5$ M 257.246

▷VT9632200.

(±)-***form*** [322-35-0]

Antiparkinsonian, decarboxylase inhibitor.

▷VT9632200.

B,HCl: [14919-77-8]. *Benserazide hydrochloride,* JAN. Sol. H_2O. Mp 146-148°.

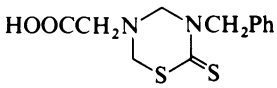
▷VT9632300.

Belg. Pat., 619 015, (*1962*); *CA*, **59**, 6520 (*synth*)
Pinder, R.M. *et al*, *Drugs*, 1976, **11**, 329 (*pharmacol, rev*)
Rauws, A.G. *et al*, *Toxicol. Appl. Pharmacol.*, 1982, **66**, 201 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4544.

Bensuldazic acid, BAN, INN **B-00065**

Dihydro-5-(phenylmethyl)-6-thioxo-2H-1,3,5-thiadiazine-3(4H)-acetic acid, 9CI. *5-Benzyldihydro-6-thioxo-2H-1,3,5-thiadiazine-3(4H)-acetic acid,* 8CI. *Defungit. Ujothion*

[1219-77-8]



$C_{12}H_{14}N_2O_2S_2$ M 282.375

Antifungal, used esp. for treatment of bovine tuberculostatic ringworm. Mp 150°.

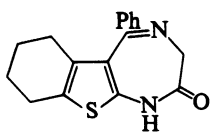
Triethylamine salt (1:1): [21720-38-7]. Cryst. (Me_2CO). Mp 83-86°.

Rieche, A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1963, **296**, 770 (*synth*)
Tartler, G. *et al*, *Pharmazie*, 1963, **18**, 630 (*pharmacol*)
Bernat, J. *et al*, *Collect. Czech. Chem. Commun.*, 1968, **33**, 4283 (*synth*)
Schorr, M. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1807 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12428.

Bentazepam, USAN, INN **B-00066**

1,3,6,7,8,9-Hexahydro-5-phenyl-2H-[1]-benzothieno[2,3-e]-1,4-diazepin-2-one, 9CI, 8CI. *Liberan. Thiadipone. Tiadipone. CI 718. QM 6008*

[29462-18-8]



$C_{17}H_{16}N_2OS$ M 296.386

Tranquilliser and anticonvulsant. Mp 249-250°.

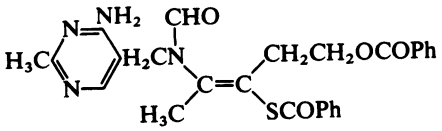
Heckendorn, R. *et al*, *Tetrahedron Lett.*, 1973, 2279 (*synth*)

Tinney, F.J. *et al*, *J. Med. Chem.*, 1974, **17**, 624 (*synth, pharmacol*)
Gonzalez, L.F. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1986, **24**, 482 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12429.

Bentiamine, INN **B-00067**

S-[*2*-[[(*4-Amino-2-methyl-5-pyrimidinyl*)*methyl*]-*formylamino*]-*1*-[(*2-benzoxyloxyl*)*ethyl-1-propenyl*]-*benzenecarbothioate*, *9CI.* N-[(*Amino-2-methyl-5-pyrimidinyl*)*methyl*]-N-(*4-hydroxy-2-mercapto-1-methyl-1-butenyl*)*formamide* O,S-*dibenzoate*, *8CI. Dibenzoylthiamine. DBT*

[299-88-7]



$C_{26}H_{26}N_4O_4S$ M 490.576

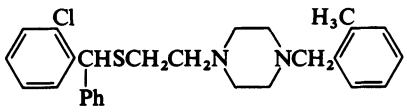
Topical analgesic (Vit. B_1 source). Mp 153-154°.

Takamizawa, A. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 558 (*synth*)
Asahi, Y., *Ann. Rep. Takeda Res. Lab.*, 1968, **27**, 58 (*nmr*)

Bentipimine, INN **B-00068**

1-[*2*-[(o-*Chloro-α-phenylbenzyl*)*thio*]*ethyl*]-*4*-(o-*methylbenzyl*)*piperazine*, *8CI. Ulphyn*

[17692-23-8]



$C_{27}H_{31}ClN_2S$ M 451.068

(±)-*form*

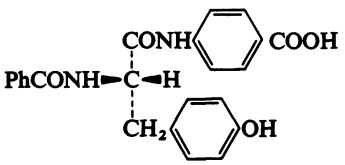
Anticholinergic drug, sedative, antiulcer agent.

B,2HCl: [1178-27-4]. Mp 215-217°.

Japan. Pat., 68 13 468, (*1968*); *CA*, **70**, 11720f (*synth, pharmacol*)

Bentiromide, BAN, USAN, INN, JAN **B-00069**

4-[[*2*-(*Benzoylamino*)-*3*-(*4-hydroxyphenyl*)-*1-oxopropyl*]*amino*]*benzoic acid*, *9CI. 4*-(N-*Benzoyltyrosylamino*)*benzoic acid. Bentirosin. Chymex. Exocrine. E 2663. Ro 11-7891. PFD*



$C_{23}H_{20}N_2O_5$ M 404.421

▷DG3700000.

(*S*)-*form* [37106-97-1]

Used for diagnosis of pancreatic function. Cryst. (MeOH aq.). Mp 240-242°. $[\alpha]_{25}$+72.3° (c, 0.03 in DMF).

▷DG3700000.

Ger. Pat., 2 324 439, (*1973*); *CA*, **80**, 60215k (*synth*)
Bornschein, W. *et al*, *Clin. Chim. Acta*, 1976, **67**, 21 (*use*)
Matsuda, M., Ed., *Pancreatic Function Diagnostants*, Igaku Shoin, Tokyo, 1980 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1957.

Benurestat, USAN, INN **B-00070**

4-Chloro-N-[*2*-(*hydroxyamino*)-*2-oxoethyl*]*benzamide*, *9CI. EU 2826*

[38274-54-3]



$C_9H_9ClN_2O_3$ M 228.635

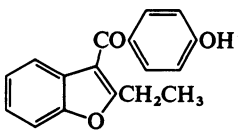
Urease inhibitor used for treatment of infected ureolysis. Cryst. (MeOH). Mp 179-180° dec. (171-172°).

Andersen, J.A., *Invest. Urol.*, 1975, **12**, 381 (*pharmacol*)
Kobashi, K. *et al*, *J. Pharmacobio. Dyn.*, 1980, **3**, 444, 457 (*pharmacol*)
Munakata, K. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 2045 (*synth, pharmacol*)

Benzarone, INN **B-00071**

(*2-Ethyl-3-benzofuranyl*)(*4-hydroxyphenyl*)*methanone*, *9CI. 2-Ethyl-3-benzofuranyl* p-*hydroxyphenyl ketone*, *8CI. 2-Ethyl-3*-(*4-hydroxybenzoyl*)*benzofuran. Fragivix. Fragivil. Vasoc. Venagil. Vitafurona. L 2197*

[1477-19-6]



$C_{17}H_{14}O_3$ M 266.296

Antihaemorrhagic agent. Mp 126-127°.

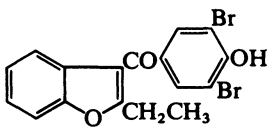
▷OB2975000.

Buu-Hoï, N.P. *et al*, *J. Chem. Soc.*, 1957, 625 (*synth*)
Broekhuysen, J. *et al*, *Arch. Int. Pharmacodyn.*, 1965, **158**, 165 (*metab*)
Barchewitz, G. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 553 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 234 (*uv*)
Klueken, N. *et al*, *Research in Angiology* (*Fragivix*), **11**, (*F.K. Schattaeur, Stuttgart, Ger.*), 1976 (*book*)
Zwillenberg, L.O. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1114 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12432.

Benzbromarone, BAN, USAN, INN, JAN **B-00072**

(*3,5-Dibromo-4-hydroxyphenyl*)(*2-ethyl-3-benzofuranyl*)*methanone*, *9CI. 3,5-Dibromo-4-hydroxyphenyl 2-ethyl-3-benzofuranyl ketone*, *8CI. L 2214. MJ 10061. Numerous proprietary names*

[3562-84-3]



$C_{17}H_{12}Br_2O_3$ M 424.088

Uricosuric. Yellow prisms. Mp 151°.

▷OB1804200.

Bisagni, E. *et al*, *J. Chem. Soc.*, 1957, 625 (*synth*)
Zoellner, N. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1500 (*pharmacol*)
Fontaine, F. *et al*, *Cryst. Struct. Commun.*, 1975, **4**, 49 (*cryst struct*)

Heel, R.C. *et al*, *Drugs*, 1977, **14**, 349 (*rev*)
Ferber, H. *et al*, *Eur. J. Clin. Pharmacol.*, 1981, **19**, 431 (*pharmacol, metab*)
Brasseur, R. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 167 (*conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4228 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1005.

1,3-Benzenediol, 9CI B-00073

Resorcinol, 8CI. 1,3-Dihydroxybenzene. Astriderm. Resorcin. Rezacuid

[108-46-3]

$C_6H_6O_2$ M 110.112

Keratolytic, antiseptic. Platelets (EtOH). Mp 111°. Bp 280°. pK_{a1} 9.15, pK_{a2} 11.32 (30°, H_2O).

▷Mod. toxic, irritant, TLV 45. VG9625000.

Mono-Ac: [102-29-4]. *3-Acetoxyphenol.* ***Resorcinol monoacetate, USAN.*** *Euresol.*

$C_8H_8O_3$ M 152.149

Antiseborrheic, keratolytic agent. Oil. Bp 283°. Component of Sulforcin.

▷VH2750000.

Di-Ac: [108-58-7].

$C_{10}H_{10}O_4$ M 194.187

Liq. Bp 278°.

▷VH0580000.

Monobenzoyl: [136-36-7].

$C_{13}H_{10}O_3$ M 214.220

Leaflets (EtOH aq.). Mp 135-136°.

▷VH2800000.

Dibenzoyl: [94-01-9].

$C_{20}H_{14}O_4$ M 318.328

Mp 117°.

▷VH0590000.

Mono-Me ether: [150-19-6]. m-*Methoxyphenol.*

$C_7H_8O_2$ M 124.139

Oil. Bp 244°.

▷SL7524000.

Mono-Et ether: [621-34-1]. m-*Ethoxyphenol.*

$C_8H_{10}O_2$ M 138.166

Liq. Bp 246-247°.

Di-Et ether: [2049-73-2]. *1,3-Diethoxybenzene.*

$C_{10}H_{14}O_2$ M 166.219

Prisms. Fp 12.4°. Bp 235°.

Me-Et ether: [25783-45-3]. *1-Ethoxy-3-methoxybenzene.*

$C_9H_{12}O_2$ M 152.193

Liq. Bp 216°.

Aldrich Library of IR Spectra, 1975, 2nd Ed., 593A (*ir*)
Varagnat, J., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1981, **13**, 39 (*rev*)
Aldrich Library of NMR Spectra, **4**, 136D (*pmr*)
Sadtler Standard Carbon 13 NMR Spectra, 4428 (*cmr*)
Sadtler Standard Ultraviolet Spectra, 2572 (*uv*)
Registry of Mass Spectral Data, Wiley, 128 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1637, 1638.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 1467.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2363.

1,4-Benzenediol, 9CI B-00074

Hydroquinone, 8CI, USAN. Hydroquinol. 1,4-Dihydroxybenzene. Quinol. Pyrogentisinic acid. Arctuvin. Eldopaque. Eldoquin

[123-31-9]

$C_6H_6O_2$ M 110.112

Depigmentor, antiseptic. Needles (H_2O). Mp 172°. Bp_{730} 285°. pK_{a1} 9.91, pK_{a2} 12.04 (30°, H_2O). Component of Artra and Solaquin.

▷Toxic and irritant, TLV 2. Skin contact may cause dermatitis and vapour can damage eyes. MX3500000.

Mono-Ac: [3233-32-7].

$C_8H_8O_3$ M 152.149

Prisms (pet. ether). Mp 62-63°. Bp_{11} 160-162°.

Di-Ac: [1205-91-0].

$C_{10}H_{10}O_4$ M 194.187

Cryst. (EtOH). Mp 123-124°.

Monobenzoyl: [2444-19-1].

$C_{13}H_{10}O_3$ M 214.220

Needles (EtOH). Mp 162-163°.

Dibenzoyl: [14210-97-0].

$C_{20}H_{14}O_4$ M 318.328

Needles (C_6H_6). Mp 199°.

Mono-Me ether: [150-76-5]. *4-Methoxyphenol.* ***Mequinol, INN.***

$C_7H_8O_2$ M 124.139

Depigmentor. Leaflets (H_2O). Mp 53°. Bp 243°, Bp_{12} 128°.

▷SL7700000.

Mono-Et ether: [622-62-8]. *4-Ethoxyphenol.*

$C_8H_{10}O_2$ M 138.166

Leaflets (H_2O). Mp 66-67°. Bp 246-247°.

Monobenzyl ether: See 4-(Benzyloxy)phenol, B-00124

Di-Et ether: [122-95-2]. *1,4-Diethoxybenzene.*

$C_{10}H_{14}O_2$ M 166.219

Prisms. Mp 72°.

Me-Et ether: [5076-72-2]. *1-Ethoxy-4-methoxybenzene.*

$C_9H_{12}O_2$ M 152.193

Mp 39°. Bp_{754} 216-217°.

Brun, R., *J. Soc. Cosmetic Chemists*, 1960, **11**, 571 (*Mequinol*)
Aldrich Library of IR Spectra, 1975, 2nd Ed., 594F (*ir*)
Varagnat, J., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1981, **13**, 39 (*rev*)
Aldrich Library of NMR Spectra, **4**, 140B (*pmr*)
Sadtler Standard Carbon 13 NMR Spectra, 38 (*cmr*)
Sadtler Standard Ultraviolet Spectra, 60 (*uv*)
Registry of Mass Spectral Data, Wiley, 128 (*ms*)
Lai, A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 379 (*cmr*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 341.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1612, 1619.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 422.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 357.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1553, 1554.

Benzenesulfonic acid, 9CI B-00075

$PhSO_3H$

$C_6H_6O_3S$ M 158.172

Plates + $1\frac{1}{2}H_2O$. Mp 43-44° (anhyd. 65-66°). pK_a −2.7. Deliquescent.

▷Toxic, irritant, causes burns

Na salt: [515-42-4]. Leaflets + $1H_2O$. Mp ca. 450° dec.

▷DB7350000.

Me ester: [80-18-2].

$C_7H_8O_3S$ M 172.198

d_4^{17} 1.273. Bp_{15} 150°.

Et ester: [515-46-8].
$C_8H_{10}O_3S$ M 186.225
Spar. sol. H_2O. d_4^{17} 1.219. Bp_{15} 156°.

Ph ester: [4358-63-8].
$C_{12}H_{10}O_3S$ M 234.269
Mp 34-35°.

Amide: [98-10-2].
$C_6H_7NO_2S$ M 157.187
Mp 147-148°, 156°.

▷DA9380000.

Anhydride: [512-35-6].
$C_{12}H_{10}O_5S_2$ M 298.328
Reagent for Friedel-Crafts synth. of sulphones. Cryst. (Et_2O). Mp 92° (88.5-91.5°). Bp_{10} 240° dec.

Chloride: [98-09-9].
$C_6H_5ClO_2S$ M 176.617
Reagent for prep. of benzenesulphonates and for Hinsberg's separation of primary, secondary and tertiary amines. d_{15}^{15} 1.384. Mp 14.5°. Bp 251-252°, Bp_{10} 120°.

▷Toxic, irritant, causes burns. Violent reaction with DMSO. DB8750000.

Fluoride: [368-43-4].
$C_6H_5FO_2S$ M 160.163
d_4^{20} 1.329. Bp 207°.

▷Toxic vapour, irritant. DB8940000.

Anilide: [1678-25-7].
$C_{12}H_{11}NO_2S$ M 233.284
Mp 110°.

▷Causes exp. neoplasms. DB3500000.

Amide, N-chloro: [80-16-0]. *N-Chlorobenzenesulfonamide, 9CI. Annogen. Chloramine* B. *Chlorseptal (new form). Chlorogen. Neomagnol.*
$C_6H_6ClNO_2S$ M 191.632
Antibacterial, disinfectant (as Na salt trihydrate).

Amide, N-Chloro, Na salt: [127-52-6]. Cryst. + $1H_2O$. Mp 190°.

Azide:

▷Crude material explodes on heating

Guyot, A., *Chim. Ind. (Milan)*, 1919, **2**, 879 (*synth*)
Org. Synth., Coll. Vol., **1**, 84 (*deriv*)
Davies, W. *et al*, *J. Chem. Soc.*, 1931, 2104 (*deriv*)
Field, L., *J. Am. Chem. Soc.*, 1952, **74**, 394 (*anhydride*)
Soothill, R.J. *et al*, *Org. Mass. Spectrom.*, 1972, **6**, 141 (*ms*)
Heintzelman, R.W. *et al*, *Synthesis*, 1976, 731 (*Chloramine B*)
Guthrie, P.J., *Can. J. Chem.*, 1978, **56**, 2342.
Kim, Y.H. *et al*, *Tetrahedron Lett.*, 1978, 1211 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 46; **5**, 22.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2219 (*Chloramine B*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 394, 571, 577.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 405.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 191, 489.

1,3,5-Benzenetriol B-00076

1,3,5-Trihydroxybenzene. Phloroglucin. Phloroglucinol. Dilospan S. *Spasfon-Lyoc*

[108-73-6]

$C_6H_6O_3$ M 126.112

Isol. from *Eucalyptus kino* and *Acacia arabica*.
Spasmolytic agent. Leaflets or plates + $2H_2O$ (H_2O). Mod. sol. H_2O. Mp 117° (dihydrate), 217-219° (anhyd.) (rapid heat), 200-209° (slow heat). pK_a 8.35 (25°). Used as mixt. with trimethyl ether.

▷SY1050000.

Tri-Ac: [2999-40-8].
$C_{12}H_{12}O_6$ M 252.223
Cryst. Mp 104°.

Tribenzoyl:
$C_{27}H_{18}O_6$ M 438.436
Cryst. Mp 185°.

β-D-Glucopyranoside: [28217-60-9]. ***Phlorin***.
$C_{12}H_{16}O_8$ M 288.254
Isol. from *Thymus vulgaris*. Cryst. Mp 231-233°. $[\alpha]_D^{22}$ −74.58°.

β-D-Glucopyranoside, hexa-Ac: Cryst. Mp 154-155.5°. $[\alpha]_D^{21}$ −26.0° (c, 2.0 in $CHCl_3$).

Mono-Me ether: [2174-64-3]. *5-Methoxy-1,3-benzenediol, 9CI. 5-Methoxyresorcinol, 8CI. 3,5-Dihydroxyanisole.* ***Flamenol, INN***.
$C_7H_8O_3$ M 140.138
Spasmolytic agent. Mp 78-81°. Bp_{16} 213°.

Di-Me ether: [500-99-2]. *3,5-Dimethoxyphenol. Taxicatigenin.*
$C_8H_{10}O_3$ M 154.165
Cryst. (C_6H_6/pet. ether). Mp 44.5° (36-38°). Bp_{17} 172-175°.

Di-Me ether, β-D-Glucoside: ***Taxicatin***.
$C_{14}H_{20}O_8$ M 316.307
Isol. from needles of *Taxus baccata*. Mp 170°. $[\alpha]_D$ −72°.

Tri-Me ether: [621-23-8]. *1,3,5-Trimethoxybenzene.*
$C_9H_{12}O_3$ M 168.192
Prisms (EtOH). Mp 54-55°. Bp 255.5°.

▷DC2810000.

Tri-Et ether: [2437-88-9]. *1,3,5-Triethoxybenzene.*
$C_{12}H_{18}O_3$ M 210.272
Cryst. Mp 43°. Bp_{24} 175°. Steam-volatile.

Tribenzyl ether:
$C_{27}H_{24}O_3$ M 396.485
Mp 39-41°.

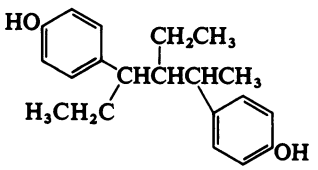
Tri-Ph ether: [23879-81-4]. *1,3,5-Triphenoxybenzene, 8CI.*
$C_{24}H_{18}O_3$ M 354.404
Prisms (Et_2O). Mp 112°. Bp_{20} 290-293°.

Org. Synth., Coll. Vol., **1**, 455 (*synth*)
Pridham, J.B. *et al*, *Biochem. J.*, 1960, **74**, 42P.
Arison, B.H. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 627 (*pmr, derivs*)
Islambekov, S.Y. *et al*, *Khim. Prir. Soedin.*, 1969, **5**, 325 (*isol*)
Jensen, S.R. *et al*, *Phytochemistry*, 1973, **12**, 2301 (*isol*)
Hellis, W.E. *et al*, *Phytochemistry*, 1974, **13**, 495 (*isol*)
McKillop, A. *et al*, *Synth. Commun.*, 1974, **4**, 35 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13104.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2207.

Benzestrol, BAN, INN B-00077

4,4'-(1,2-Diethyl-3-methyl-1,3-propanediyl)bisphenol, 9CI. 4,4'-(1,2-Diethyl-3-methyltrimethylene)diphenol. 3-Ethyl-2,4-bis(4-hydroxyphenyl)hexane. Chemestrogen. Ocestrol. Octestrol. Octoestrol. Octofollin

[85-95-0]



$C_{20}H_{26}O_2$ M 298.424

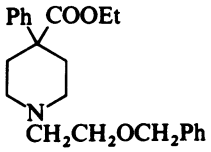
Oestrogen. Cryst. Mp 162°. Four racemates are possible.

Stuart, A.H. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 729 (*synth*)
Shukis, A.J. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1488 (*synth, bibl*)
Dodds, E.C. *et al*, *Proc. Roy. Soc.*, 1953, **B140**, 470 (*synth*)
Crawley, G.C., *Kirk-Othmer Encycl. Chem. Tech. 3rd Ed.*, 1980, **12**, 658 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9025.

Benzethidine BAN, INN B-00078

Ethyl 1-(2-benzyloxyethyl)-4-phenyl-4-piperidine-4-carboxylate. 1-(2-Benzyloxyethyl)norpethidine. Benzetidina. NIH 7574. TA 28

[3691-78-9]



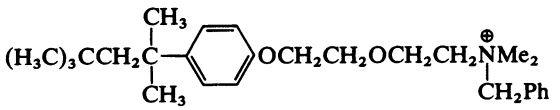
$C_{23}H_{29}NO_3$ M 367.487
Narcotic analgesic. Liq. $Bp_{0.5}$ 220°.
B,HBr: Mp 138-139°.

Frearson, P.M. *et al*, *J. Chem. Soc.*, 1958, 3065.
Blair, A.M.J.N. *et al*, *Br. J. Pharmacol.*, 1960, **15**, 247, 254 (*pharmacol*)

Benzethonium(1+) B-00079

N,N-*Dimethyl*-N-[2-[2-[4-(*1,1,3,3-tetramethylbutyl*)-*phenoxy*]*ethoxy*]*ethylbenzenemethanaminium*, *9CI. Benzyldimethyl*[2-[2-(p-*1,1,3,3-tetramethylbutylphenoxy*)-*ethoxy*]*ethyl*]*ammonium. Numerous proprietary names*

[10172-60-8]



$C_{27}H_{42}NO_2^{\oplus}$ M 412.634 (ion)
Antiseptic detergent.

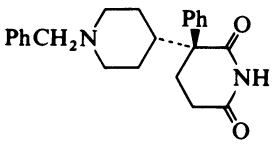
Chloride: [121-54-0]. *Benzethonium chloride*, *BAN, INN. Phemerol chloride.*
$C_{27}H_{42}ClNO_2$ M 448.087
V. sol. H_2O, sol. Me_2CO, EtOH, $CHCl_3$. Mp 164-166°, 184-186°.
▷BO7175000.

Rawlins, A.L. *et al*, *J. Am. Pharm. Assoc.*, 1943, **32**, 11.
Finnegan, J.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **109**, 422 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7603 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2207.

Benzetimide, INN B-00080

3-Phenyl-1'-(phenylmethyl)-[3,4'-bipiperidine]-2,6-dione, *9CI. 1-Benzyl-4-(2,6-dioxo-3-phenyl-3-piperidyl)piperidine*

[14051-33-3]



(*R*)-*form*
Absolute configuration

$C_{23}H_{26}N_2O_2$ M 362.471

(***R*)-form** [21888-99-3]
Levetimide
Mp 180.5-182°. $[\alpha]_D^{20}$ −124° ($CHCl_3$).
▷MA4029500.

(***S*)-form** [21888-98-2]
***Dexetimide**, BAN, USAN, INN. Dexbenzetimide. Serenone. Tremblex. Trembley. R 16470*
Mp 181-183°. $[\alpha]_D^{20}$ +125° ($CHCl_3$). The pharmacologically more active enantiomer.
B,HCl: [5633-14-7]. Mp 270-275°. $[\alpha]_D^{20}$ +125° (MeOH).
▷MA4030000.

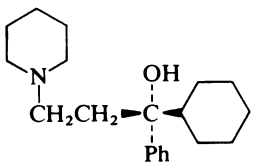
(±)-form
Anticholinergic and antiparkinsonian agent. Mp 156-159°.
B,HCl: Benzetimide hydrochloride, *USAN. Dioxatrine. Spasmentral. McN JR4929-11. R 4929.* Mp 229-231.5°, 299-301.5°.

Herman, B. *et al*, *J. Med. Chem.*, 1968, **11**, 797 (*synth*)
Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1365 (*pharmacol*)
Spek, A.L. *et al*, *Nature* (*London*), 1971, **232**, 575 (*abs config*)
Spek, A.L. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 870 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 358.

Benzhexol, BAN B-00081

α-Cyclohexyl-α-phenyl-1-piperidinepropanol, *9CI. **Trihexyphenidyl, INN**. Cyclodol. Numerous proprietary names*

[144-11-6]



(*R*)-*form*

$C_{20}H_{31}NO$ M 301.471

(*R*)-form [40520-25-0]
Mp 112-113°. $[\alpha]_D^{20}$ −25° (EtOH). The pharmacologically more active enantiomer.
B,HCl: [30953-85-6]. Mp 264°, (245-246°). $[\alpha]_D^{20}$ −30° ($CHCl_3$).

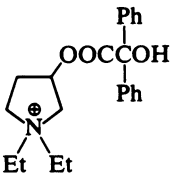
(±)-form
Anticholinergic and antiparkinsonian agent. Mp 114.3-115°.
B,HCl: [52-49-3]. *Trihexyphenidyl hydrochloride*, *USAN. Pipanol. Artane.* Spar. sol. Et_2O, C_6H_6. Mp 258.5° dec.
▷TN2625000.

Denton, J.J. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 2053 (*synth*)
Barlow, R.B. *et al*, *J. Pharm. Pharmacol.*, 1972, **24**, 753 (*pharmacol*)

Camerman, N. *et al*, *J. Am. Chem. Soc.*, 1972, 8553 (*cryst struct*)
Paeme, G. *et al*, *Bull. Soc. Chim. Belg.*, 1983, **92**, 995 (*cmr*)
Tacke, R. *et al*, *Justus Liebigs Ann. Chem.*, 1986, 242 (*abs config*)
Schelderup, L. *et al*, *Acta Chem. Scand., Ser. B*, 1987, **41**, 356 (*synth, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5955 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 342.

Benzilonium(1+) B-00082

1,1-Diethyl-3-[(hydroxydiphenylacetyl)oxy]-pyrrolidinium, 9CI. 1,1-Diethyl-3-hydroxypyrrolidinium benzilate, 8CI



$C_{22}H_{28}NO_3^{\oplus}$ M 354.468 (ion)
Anticholinergic drug.

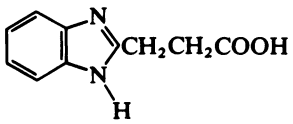
Bromide: [1050-48-2]. *Benzilonium bromide, BAN, USAN, INN, JAN. Minelcin. Minelco. Minelsin. Ortyn. Partyn. Portyn. Pyrbenine. Ulcoban. CI 379. CN 20172-3. PU 239.*
$C_{22}H_{28}BrNO_3$ M 434.372
Mp 203-204°.

▷UY4330000.

Ryan, C.W. *et al*, *J. Org. Chem.*, 1962, **27**, 2901 (*synth*)
Kingsley, P.J. *et al*, *Eur. J. Clin. Pharmacol.*, 1974, **7**, 141 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 343.

2-Benzimidazolepropionic acid B-00083

1H-Benzimidazole-2-propanoic acid, 9CI. 3-(2-Benzimidazolyl)propionic acid. ***Procodazole, INN***
[23249-97-0]



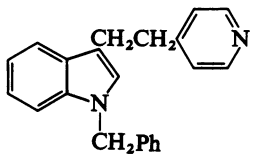
$C_{10}H_{10}N_2O_2$ M 190.201
Immunostimulant. Mp 224°.

Na salt: [59345-72-1]. *Estimulocel. Procodazole sodium. Propazole sodium.*
Et ester; B,HCl: [62668-12-6].
$C_{12}H_{14}N_2O_2$ M 218.255
Immunostimulant.

Aubagnac, J.L. *et al*, *Bull. Soc. Chim. Fr.*, 1972, **7**, 2868 (*synth*)
Spanish Pat., 407 882, (*1975*); *CA*, **85**, 5639e (*synth, pharmacol*)
Fernandez, C. *et al*, *Rev. Clin. Esp.*, 1976, **141**, 51 (*pharmacol*)
Spanish Pat., 412 685, (*1976*); *CA*, **86**, 189936z (*synth, deriv*)
Rodriguez Perez, A. *et al*, *Cienc. Ind. Farm.*, 1977, **9**, 118; *CA*, **87**, 145512z (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13172.

Benzindopyrine, INN B-00084

1-(Phenylmethyl)-3-[2-(4-pyridinyl)ethyl]-1H-indole, 9CI. 1-Benzyl-3-[2-(4-pyridyl)ethyl]indole, 8CI. Pyrbenzindole. IN 461. NSC 17789
[16571-59-8]



$C_{22}H_{20}N_2$ M 312.413
Tranquilliser. $Bp_{0.3}$ 225-230°.

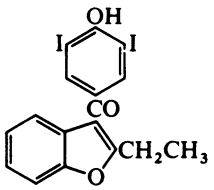
B,HCl: [5585-71-7]. *Benzindopyrine hydrochloride, USAN.* Mp 199-200°.

▷NL5075000.

U.S.P., 3 330 506, (*1967*); *CA*, **67**, 32595x (*synth, pharmacol*)
Gueremy, C. *et al*, *J. Med. Chem.*, 1980, **23**, 1306 (*synth, pharmacol*)

Benziodarone, BAN, INN, JAN B-00085

(2-Ethyl-3-benzofuranyl)(4-hydroxy-3,5-diidophenyl)-methanone, 9CI. 2-Ethyl-3-(4-hydroxy-3,5-diiodobenzoyl)benzofuran. Ethofuridione. Numerous proprietary names
[68-90-6]



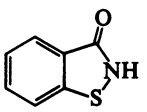
$C_{17}H_{12}I_2O_3$ M 518.089
Coronary vasodilator. Yellowish powder. Spar. sol. H_2O. Mp 167°.

▷OB1835000.

Belg. Pat., 553 621, (*1957*); *CA*, **53**, 22016 (*synth*)
Duchene-Marullaz, P. *et al*, *Therapie*, 1969, **24**, 617 (*pharmacol*)
Zoellner, N. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1500 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4235 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9211.

1,2-Benzisothiazol-3(2*H*)-one, 9CI B-00086

1,2-Benzisothiazolinone. 2-Thiobenzimide. Proxel
[2634-33-5]

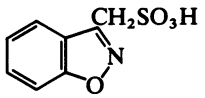


C_7H_5NOS M 151.183
Industrial biocide. Also has antiinflammatory, analgesic and antipyretic props. Needles (EtOH aq.). Mp 157-158°.

S,S-*Dioxide: see Saccharin, S-00002*

McKibben, M. *et al*, *J. Chem. Soc.*, 1923, 170 (*synth*)
Reissert, A., *Ber.*, 1928, **61**, 1680 (*props*)
Cavalca, L. *et al*, *Gazz. Chim. Ital.*, 1970, **100**, 629 (*cryst struct*)
Feichtinger, H., *Chem. Ber.*, 1971, **104**, 1697 (*synth*)
Davis, M., *Adv. Heterocycl. Chem.*, 1972, **14**, 43 (*rev*)
Japan. Pat., 7 837 862 (*1979*); *CA*, **90**, 121580 (*synth*)

1,2-Benzisoxazole-3-methanesulfonic acid, 9CI **B-00087**



$C_8H_7NO_4S$ M 213.208

NH_4 salt: [81534-20-5]. Cryst. (MeOH). Mp 268-272°.

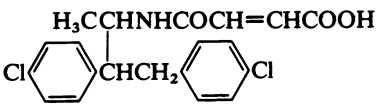
Amide: [68291-97-4]. ***Zonisamide, USAN, INN, BAN.*** *1,2-Benzisoxazole-3-methanesulfonamide, 9CI. Aleviatin (new form). Exogran. Fenisoxine. AD 810. CI 912.*
$C_8H_8N_2O_3S$ M 212.223
Anticonvulsant, antiepileptic agent. Cryst. (EtOAc). Mp 160-163°.

Uno, H. *et al, J. Med. Chem.*, 1979, **22**, 180 (*synth, pharmacol*)
Masuda, Y. *et al, Arzneim.-Forsch.*, 1980, **30**, 477 (*pharmacol*)
Ito, T. *et al, Arzneim.-Forsch.*, 1982, **32**, 1581.
Uno, H. *et al, Chem. Pharm. Bull.*, 1982, **30**, 333 (*synth*)
Matsumoto, K. *et al, Arzneim.-Forsch.*, 1983, **33**, 961.
Hammond, E.J. *et al, Gen. Pharmacol.*, 1987, **18**, 303 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1668.

Benzmalecene, INN **B-00088**

4-[[2,3-Bis(4-chlorophenyl)-1-methylpropyl]amino]-4-oxo-2-butenoic acid, 9CI. N-*[2,3-Bis*(p-*chlorophenyl)-1-methylpropyl]maleamic acid, 8CI. MK-135*

[148-07-2]



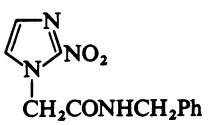
$C_{20}H_{19}Cl_2NO_3$ M 392.281
Anticholesteraemic, gout suppressant. Insol. H_2O. Mp 215-216°. pK_a 3.3.

B.P., 901 438, (*1962*); *CA*, **58**, 3355c (*synth, tox, pharmacol*)
Zanetti, M.E. *et al, Proc. Soc. Exp. Biol. Med.*, 1963, **112**, 991 (*pharmacol*)
Kritchevsky, D., *Drill's Pharmacol. Med., 4th Ed.*, 1971, 1315 (*rev*)

Benznidazole, INN **B-00089**

*2-Nitro-*N-*(phenylmethyl)-1H-imidazole-1-acetamide, 9CI.* N-*Benzyl-2-nitroimidazole-1-acetamide, 8CI. Radinil. Ragonil. Rochagar*

[22994-85-0]



$C_{12}H_{12}N_4O_3$ M 260.252
Biocide; trypanocide. Mp 188.5-190°.

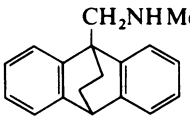
▷NI3340000.

B.P., 1 138 529, (*1969*); *CA*, **71**, 3383d (*synth, pharmacol*)
Goijman, S.G. *et al, Biochem. Pharmacol.*, 1985, **34**, 1331 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4756.

Benzoctamine, BAN, INN **B-00090**

N-*Methyl-9,10-ethanoanthracene-9(10H)-methanamine, 9CI*

[17243-39-9]



$C_{18}H_{19}N$ M 249.355
Analgesic, sedative, muscle relaxant. Used mainly as hydrochloride.

▷KJ4375000.

B,HCl: [10085-81-1]. *Benzoctamine hydrochloride, USAN. Tacitin. Tacital. Tacitil. Ba 30803. Ciba 30803. ME 910.* Mp 320-322°. pK_a 7.6.

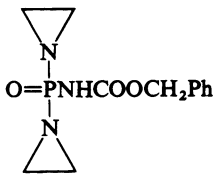
▷KJ4550000.

Wilhelm, M. *et al, Helv. Chim. Acta*, 1969, **52**, 1385 (*synth, nmr, ms*)
Baltzer, V. *et al, Arch. Int. Pharmacodyn. Ther.*, 1973, **201**, 25 (*pharmacol*)
Brouant, P. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1590 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7007.

Benzodepa, USAN, INN **B-00091**

Phenylmethyl [bis(1-aziridinyl)phosphinyl]carbamate, 9CI. Benzyl [bis(1-aziridinyl)phosphinyl]carbamate. Benzcarbimine. Dualar. AB 103. NSC 37096

[1980-45-6]



$C_{12}H_{16}N_3O_3P$ M 281.250
Antineoplastic agent, insect sterilant. Cryst. (C_6H_6/cyclohexane). Mp 134-135°.

Papanastassiou, Z.B. *et al, J. Med. Chem.*, 1962, **5**, 1000 (*synth, pharmacol*)
Borkovec, A.B. *et al, J. Med. Chem.*, 1966, **9**, 522 (*use*)
Gouck, H.K. *et al, J. Econ. Entomol.*, 1964, **57**, 663 (*use, props*)
Bardos, T.J. *et al, Ann. N.Y. Acad. Sci.*, 1969, **163**, 1006 (*pharmacol*)

Benzoic acid, 9CI **B-00092**

[65-85-0]

PhCOOH

$C_7H_6O_2$ M 122.123
Preservative in the food industry. Used in manuf. of preservatives, plasticisers, alkyd resin coatings and caprolactam. Antiseptic and expectorant. Leaflets or needles (H_2O). V. spar. sol. H_2O. Mp 122° (ca. 100° subl.). Bp 249°, Bp_{10} 133°. pK_a 4.2 (25°). Steam-volatile.

▷Toxic by skin absorption. DG0875000.

Me ester: [93-58-3]. *Methyl benzoate.*
$C_8H_8O_2$ M 136.150
Used in perfumery and flavourings. Liq. d_{25}^{25} 1.09. Fp −12.3°. Bp 199.6°, Bp_{24} 96-98°.

▷DH3850000.

Et ester: [93-89-0]. *Ethyl benzoate.*
$C_9H_{10}O_2$ M 150.177

Polymerisation catalyst. Used in perfumery and flavourings. Liq. d_4^{25} 1.04. Fp −34°. Bp 212.9°, Bp_{10} 87.2°.

▷Mod. toxic. DH0200000.

Propyl ester: [2315-68-6]. *Propyl benzoate.*
$C_{10}H_{12}O_2$ M 164.204
Flavour ingredient. d_{15}^{15} 1.03. Bp 230°.

Isopropyl ester: [939-48-0]. *Isopropyl benzoate.*
Polymerisation catalyst, flavour ingredient. d_{15}^{15} 1.02. Bp 218-219°.

▷DH3150000.

Butyl ester: [136-60-7]. *Butyl benzoate.*
$C_{11}H_{14}O_2$ M 178.230
Dye carrier; used in perfumery. d_{15}^{15} 1.01. Bp 248-249°.

▷DG4925000.

tert-Butyl ester: [774-65-2]. tert-*Butyl benzoate.*
$C_{11}H_{14}O_2$ M 178.230
Bp_2 96°.

Benzyl ester: [120-51-4]. ***Benzyl benzoate, USAN.*** *Ascabin. Benylate. Vanzoate. Numerous proprietary names.*
$C_{14}H_{12}O_2$ M 212.248
Contained in Peru balsam. Tobacco flavouring agent, insect repellant component. Acaricide and pediculicide. Leaflets. d^{18} 1.11. Mp 21°. Bp 323-324° (316-317°). Used in conjunction with 2,3-Dimercapto-1-propanol, D-00385 .

▷Mod. toxic. DG4200000.

Fluoride: [455-32-3]. *Benzoyl fluoride.*
C_7H_5FO M 124.114
Fuming liq. Bp 159-161°. Hydrolysed by hot H_2O.

Chloride: [98-88-4]. *Benzoyl chloride.*
C_7H_5ClO M 140.569
Polymerisation catalyst, benzoylating agent. Can be used for synth. of aliphatic acid chlorides. Fuming liq. d_{15}^{15} 1.22. Fp −1°. Bp 197°.

▷Highly irritant, causes burns, violent reaction with dimethyl sulphoxide. DM6600000.

Bromide: [618-32-6]. *Benzoyl bromide.*
C_7H_5BrO M 185.020
Fuming liq. d^{15} 1.57. Fp −24°. Bp 218-219°, $Bp_{0.05}$ 48-50°.

Iodide: [618-38-2]. *Benzoyl iodide.*
C_7H_5IO M 232.020
Needles. Mp 3°. Bp_{20} 128°.

Anhydride: [93-97-0]. *Benzoic anhydride.*
$C_{14}H_{10}O_3$ M 226.231
Cross-linking agent for polymers. Acylation and decarboxylating agent, can be used in polymer-linked form. Rhombic prisms. d_4^{15} 1.99. Mp 42°. Bp 360°.

▷Mild irritant and allergen

Azide: Benzazide. Benzoylazimide.
$C_7H_5N_3O$ M 147.136
Plates. Mp 32°.

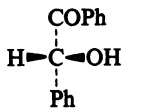
▷Explodes on heating

Org. Synth., Coll.Vol., **1**, 75, 361 (*synth, deriv*)
Jesson, J.P. *et al*, *Proc. R. Soc. London, Ser. A*, 1962, **268**, 68 (*raman*)
Beynon, J.H. *et al*, *Z. Naturforsch., A*, 1965, **20**, 883 (*ms*)
Evans, H.B. *et al*, *J. Phys. Chem.*, 1968, **72**, 2552 (*pmr*)
Fauvet, G. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 1376 (*cryst struct, nitrile*)
Williams, A.E., *Kirk-Othmer Encycl. Chem. Technol.* 3rd Ed., 1978, **3**, 778 (*rev*)
Hassan, M.M.A. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 55 (*rev, benzyl ester*)
Rama Rao, A.V. *et al*, *Chem. Ind. (London)*, 1984, 270 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 49, 1004; **5**, 23, 24.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3569, 6634.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3041.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 394, 622.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 193.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 378, 393, 394.

Benzoin B-00093

α-Hydroxybenzyl phenyl ketone. 1,2-Diphenyl-2-hydroxyethanone

[119-53-9]



(R)-form
Absolute configuration

$C_{14}H_{12}O_2$ M 212.248
Topical protectant.

▷DI1590000.

(R)-form [5928-66-5]
Needles. Mp 131-132.5°. $[\alpha]_D^{12}$ −117.5° (Me_2CO).

Ac:
$C_{16}H_{14}O_3$ M 254.285
Needles. $[\alpha]_D^{14}$ −217.7° ($CHCl_3$).

Me ether:
$C_{15}H_{14}O_2$ M 226.274
Mp 53-54°. $[\alpha]_D^{12}$ −88.2° ($CHCl_3$), $[\alpha]_D^{11}$ −94.3° (EtOH).

(S)-form [5928-67-6]
Needles. Mp 131-132.5°. $[\alpha]_D^{25}$ +118.4° (Me_2CO).

(E)-*Oxime:*
$C_{14}H_{13}NO_2$ M 227.262
Mp 164°. $[\alpha]_D^{24}$ +3.0° ($CHCl_3$).

(±)-form [579-44-2]
Prisms (EtOH). Mp 133-134°. Bp_{768} 344°, Bp_{12} 194°. Enolises to β-dihydroxystilbene.

Ac: [62398-10-1]. Prisms. Mp 83°.

Benzoyl:
$C_{21}H_{16}O_3$ M 316.356
Needles (EtOH), prisms (Et_2O). Mp 125°.

Me ether: [5987-95-1]. Needles. Mp 49°.

(E)-*Oxime:* [574-13-0]. *α-Oxime. Cupron.* Prisms. Mp 151-152°.

(Z)-*Oxime:* [7110-50-1]. *β-Oxime.* Prisms. Mp 99°.

Semicarbazone: Prisms. Mp 206° dec.

2,4-Dinitrophenylhydrazone: [13804-47-2]. Orange-yellow cryst. Mp 234°.

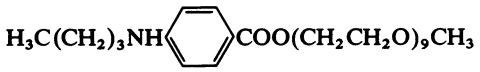
Org. Synth., Coll. Vol., **1**, 94 (*synth*)
Watson, M.B. *et al*, *Chem. Ind. (London)*, 1954, 658 (*abs config*)
Kenyon, J. *et al*, *J. Chem. Soc.*, 1965, 435 (*resoln*)
Kreiser, W., *Justus Liebigs Ann. Chem.*, 1971, **745**, 164 (*synth*)
Couvert, O. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1972, **274**, 296 (*pmr*)
Ohgo, Y. *et al*, *Chem. Lett.*, 1974, 1327 (*synth*)

Kudo, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 2969.
Hakimelahi, G.H. *et al*, *Helv. Chim. Acta*, 1977, **60**, 342 (*synth*)
Haisa, M. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2832 (*cryst struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 34.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 274.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 380.

Benzonatate, BAN, INN, USAN **B-00094**

3,6,9,12,15,18,21,24,27-Nonaoxaoctacos-1-yl 4-(butylamino)benzoate, 9CI. Benzononatine. Exangit. Tessalin. Tessalon. Ventussin. Egyt 13. KM 65

[104-31-4]



$C_{30}H_{53}NO_{11}$ M 603.749

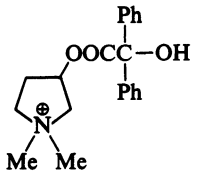
Antitussive agent. Pale yellow oil. Insol. aliphatic hydrocarbons.

▷DG4904500.

U.S.P., 2 714 608, (*1956*); *CA*, **50**, 7137 (*synth*)
U.S.P., 2 857 419, (*1959*); *CA*, **53**, 10132
Kase, Y. *et al*, *Jpn. J. Pharmacol.*, 1969, **19**, 115 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5605.

Benzopyrronium(1+) **B-00095**

3-Hydroxy-1,1-dimethylpyrrolidinium benzilate, 8CI



$C_{20}H_{24}NO_3^{\oplus}$ M 326.415 (ion)

(±)-*form*

Anticholinergic agent.

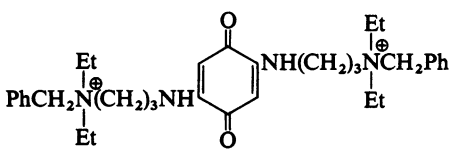
Bromide: [13696-15-6]. *Benzopyrronium bromide, INN.*
$C_{20}H_{24}BrNO_3$ M 406.319
Mp 211-212.5°.

U.S.P., 3 301 869, (*1967*); *CA*, **66**, 115596d (*synth, pharmacol*)

Benzoquinonium(2+) **B-00096**

N,N'-[(3,6-Dioxo-1,4-cyclohexadiene-1,4-diyl)-bis(imino-3,1-propanediyl)]bis[N,N-diethylbenzenemethanaminium](2+), 9CI. [p-*Benzoquinon-2,5-ylenebis(iminotrimethylene)*]-*bis[benzyldiethylammonium], 8CI*

[7554-16-7]



$C_{34}H_{50}N_4O_2^{\oplus\oplus}$ M 546.795 (ion)

Skeletal muscle relaxant, ganglion blocking agent.

Dichloride: [311-09-1]. *Benzoquinonium chloride, INN. Mytolon chloride. Amilyt. WIN 2747.*
$C_{34}H_{50}Cl_2N_4O_2$ M 617.701
Red cryst. (EtOH). Mp 191-195°. H_2O soln. stable for long periods.

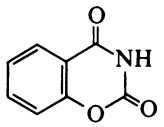
▷BO4900000.

Cavallito, C.J. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 2661 (*synth*)
Bowman, W.C. *et al*, *J. Pharm. Pharmacol.*, 1972, **24**, 762 (*pharmacol*)

2*H*-1,3-Benzoxazine-2,4(3*H*)-dione **B-00097**

O-Carbamoylsalicylic acid lactam. ***Carsalam, BAN, INN.*** *Beaprine. Oxophenhydroxazine*

[2037-95-8]



$C_8H_5NO_3$ M 163.132

Analgesic. Cryst. (Me_2CO/EtOH). Mp 229-230°.

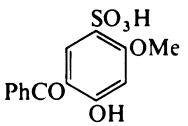
▷DM3110000.

Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 2811 (*synth*)
Baker, J.A. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 97 (*pharmacol, tox*)
Effenberger, F. *et al*, *Chem. Ber.*, 1972, **105**, 1926 (*synth*)
Kashino, S. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 2191 (*cryst struct*)
Geffken, D., *Justus Liebigs Ann. Chem.*, 1981, 1513 (*synth*)
Dhar, D.N. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 366 (*synth*)
Ried, W. *et al*, *Chem. Ber.*, 1982, **115**, 1662 (*synth*)
Petridou-Fischer, J. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 1159 (*synth*)
Kamal, A. *et al*, *Tetrahedron Lett.*, 1987, **28**, 2425 (*synth*)

5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid, 9CI, 8CI **B-00098**

Sulisobenzone, USAN, INN. *Cyasorb UV 284. Spectra-Sorb* UV-*284. Sungard. Uval. Uvinul* MS-*40. NSC 60584*

[4065-45-6]



$C_{14}H_{12}O_6S$ M 308.305

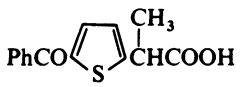
UV screen.

Fr. Pat., 1 545 111, (*1968*); *CA*, **71**, 123951j (*synth*)
Faud, I., *Dermatologica*, 1972, **144**, 237 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9316.

2-(5-Benzoyl-2-thienyl)propanoic acid **B-00099**

5-Benzoyl-α-methyl-2-thiopheneacetic acid, 9CI. ***Tiaprofenic acid, BAN, INN, JAN.*** *Artiflam* R. *Sargam. Surgam. Surgamic. Surgamyl. Surgan. FC 3001. RU 15060*

[33005-95-7]



$C_{14}H_{12}O_3S$ M 260.307

Mp 96°.

▷XM7580000.

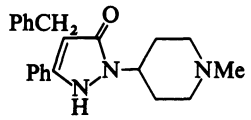
(±)-***form*** [39984-70-8]
Antiinflammatory drug; analgesic.

Clemence, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 390 (*synth, pharmacol*)
Sorkin, E.M. *et al*, *Drugs*, 1985, **29**, 208 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2709.

Benzpiperylone, INN B-00100

1,2-Dihydro-2-(1-methyl-4-piperidinyl)-5-phenyl-4-(phenylmethyl)-3H-pyrazol-3-one, 9CI. 4-Benzyl-1-(1-methyl-4-piperidinyl)-3-phenyl-3-pyrazolin-5-one, 8CI. KB 95. Telon. Reublonil. Benzometan

[53-89-4]

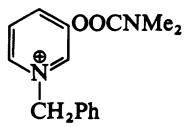


$C_{22}H_{25}N_3O$ M 347.459
Drug used for treatment of connective tissue disorders; analgesic, antiinflammatory, antipyretic. Mp 181-183° dec.

Ebnöther, A. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1201 (*synth*)
Leemann, H.G. *et al*, *Helv. Chim. Acta*, 1962, **45**, 177 (*props, cryst struct*)
Cerletti, A. *et al*, *Boll. Chim. Farm.*, 1963, **102**, 602 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12433.

Benzpyrinium(1+) B-00101

3-[[(Dimethylamino)carbonyl]oxy]-1-(phenylmethyl)-pyridinium(1+), 9CI. 1-Benzyl-3-hydroxypyridinium dimethylcarbamate(1+), 8CI. Benzstigminium(1+). Stigmenene(1+)



$C_{15}H_{17}N_2O_2^{\oplus}$ M 257.312 (ion)
Cholinergic agent.

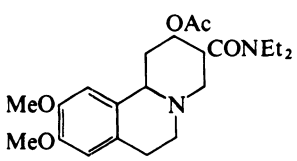
Bromide: [587-46-2]. *Benzpyrinium bromide, INN.*
$C_{15}H_{17}BrN_2O_2$ M 337.216
Insol. Et_2O. Mp 116-118°.
▷UU2504600.

Sakal, E.H., *Lancet*, 1950, **70**, 474 (*pharmacol, tox*)
Wuest, H.M. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1210 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4508 (*bromide*)

Benzquinamide, BAN, USAN, INN B-00102

2-(Acetyloxy)-N,N-diethyl-1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-2H-benzo[a]quinolizine-3-carboxamide, 9CI. Benzoquinamide. BZQ. Emeticon. Promecon. Quantril. NSC 64375. P 2647

[63-12-7]



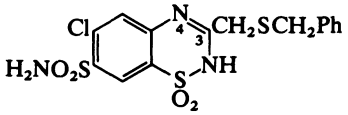
$C_{22}H_{32}N_2O_5$ M 404.505
Tranquilliser, antiemetic. Mp 130-131.5°.

U.S.P., 3 053 845, (*1962*); *CA*, **58**, 3404 (*synth*)
Koe, B.K. *et al*, *J. Med. Chem.*, 1964, **7**, 635 (*metab*)
Wiseman, E.H. *et al*, *Biochem. Pharmacol.*, 1964, **13**, 1421 (*metab*)
Kadzielawa, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **163**, 139 (*pharmacol*)
Pitts, N.E. *et al*, *Curr. Ther. Res. Clin. Exp.*, 1969, **11**, 325 (*pharmacol*)
Klein, R.L. *et al*, *Clin. Pharmacol. Ther.*, 1970, **11**, 530 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6542.

Benzthiazide, BAN, INN B-00103

6-Chloro-3-[[(phenylmethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. 3-[(Benzylthio)methyl]-6-chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 8CI. Benzothiazide. Aquatag. Dihydrex. Diucen. Edemax. Fovane. Numerous proprietary names

[91-33-8]



$C_{15}H_{14}ClN_3O_4S_3$ M 431.926
▷DK8400000.

(±)-***form***
Diuretic, saluretic; carbonic anhydrase inhibitor. Cryst. (EtOH). Mp 236-237°.

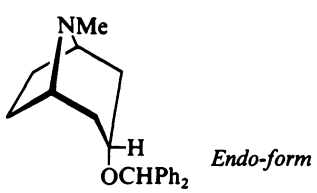
3,4-Dihydro: [13957-38-5]. ***Hydrobentizide, INN.*** *Dihydrobenzthiazide. Aquazid.*
$C_{15}H_{16}ClN_3O_4S_3$ M 433.942
Salidiuretic; carbonic anhydrase inhibitor. Cryst. ($MeOH/CHCl_3$). Mp 218-219° (207°).

P'an, S.Y. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **128**, 122; 1961, **133**, 351 (*pharmacol*)
Craveri, F. *et al*, *Boll. Chim. Farm.*, 1961, **100**, 956 (*deriv*)
Topliss, J.G. *et al*, *J. Org. Chem.*, 1961, **26**, 3842 (*deriv*)
Taylor, R.M. *et al*, *J. Med. Chem.*, 1962, **5**, 312 (*deriv*)
Vanatta, J.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1962, **4**, 595 (*tox*)
Novello, F.C. *et al*, *Ind. Chim. Belg.*, 1967, **32**, 222 (*derivs, pharmacol*)
McManus, J.M. *et al*, *J. Heterocycl. Chem.*, 1968, **5**, 137 (*synth, bibl*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3488 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2307, 2332.

Benztropine, BAN B-00104

3-(Diphenylmethoxy)-8-methyl-8-azabicyclo[3.2.1]-octane, 9CI. 3-Diphenylmethoxytropane. ***Benzatropine, INN.*** *Akitan. Bensylete. Cobrentin. Cogentin. Cogentinol. MK 02*

[86-13-5]



Endo-form

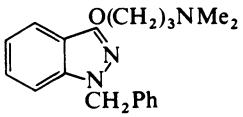
$C_{21}H_{25}NO$ M 307.435
Antiparkinsonian drug. Also has antihistaminic props. and acts as appetite stimulant for livestock.
▷YM3100000.

B,HBr: Mp 247-248° dec.
Methanesulphonate: [132-17-2]. *Benztropine mesilate, JAN. Benztropine mesylate, USAN.*
$C_{22}H_{27}NO_3S$ M 385.520
Cryst. (Me_2CO/Et_2O). Mp 143°.
▷YM3150000.

U.S.P., 2 595 405, (*1953*); *CA*, **47**, 2218i (*synth*)
Rosenberg, P. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **155**, 532.
U.S.P., 3 978 221, (*1976*); *CA*, **85**, 176021 (*synth*)
Jones, P.G. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 3125 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 344.

Benzydamine, BAN, INN B-00105

N,N-*Dimethyl-3-[[1-(phenylmethyl)-1H-indazol-3-yl]-oxy]-1-propanamine, 9CI. 1-Benzyl-2-(3-dimethylaminopropoxy)indazole. 1-Benzyl-1H-indazol-3-yl 3-dimethylaminopropyl ether. Numerous proprietary names*
[642-72-8]



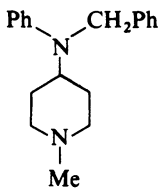
$C_{19}H_{23}N_3O$ M 309.410
Analgesic, antipyretic, antiinflammatory drug. $Bp_{0.05}$ 160°.
▷NK7790000.

B,HCl: [132-69-4]. *Benzydamine hydrochloride, USAN, JAN. Tantum.* V. sol. H_2O. Mp 160°.
▷NK7875000.

Buu-Hoï, Ng.Ph. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 2019 (*nmr*)
Palazzo, G. *et al*, *J. Med. Chem.*, 1966, **9**, 38 (*synth, pharmacol*)
Lisciani, R. *et al*, *Eur. J. Pharmacol.*, 1968, **3**, 157 (*pharmacol*)
Cioli, V. *et al*, *Int. J. Tissue React.*, 1985, **7**, 175, 187, 195, 205 (*revs*)
Koeppel, C. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 634 (*metab*)
Muller-Peddinghaus, R. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 587 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5336 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2613.

4-(*N*-Benzylanilino)-1-methylpiperidine, 8CI B-00106

*1-Methyl-*N*-phenyl-*N*-(phenylmethyl)-4-piperidinamine, 9CI. **Bamipine, BAN, INN**. Soventol. Taumidrine*
[4945-47-5]



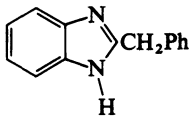
$C_{19}H_{24}N_2$ M 280.412
Antihistaminic drug. Cryst. (MeOH). Mp 115°.
▷TM4921500.

B,2HCl: [61732-85-2]. Cryst. (EtOH). Mp 189° dec.

U.S.P., 2 683 714, (*1955*); *CA*, **49**, 6318 (*synth*)
Jahn, H. *et al*, *Arzneim.-Forsch.*, 1952, **2**, 250; 1953, **3**, 328 (*pharmacol*)
Hanna, C., *Toxicol. Appl. Pharmacol.*, 1961, **3**, 393 (*tox*)
Birknes, B., *Acta Crystallogr., Sect. B*, 1977, **33**, 2301 (*cryst struct*)
Neidlein, R. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 32, 174, 337 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6108.

2-Benzylbenzimidazole, 8CI B-00107

*2-(Phenylmethyl)-1H-benzimidazole, 9CI. **Bendazol, INN***
[621-72-7]



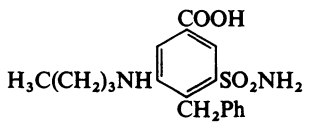
$C_{14}H_{12}N_2$ M 208.262
Coronary vasodilator, spasmolytic, antihypertensive agent. Cryst. (C_6H_6). Mp 187°. pK_a 5.70.
▷DD6206000.

B,HCl: Dibazol. Tromasédan. Greyish or yellow-white hygroscopic powder with bitter-saline taste. Insol. Et_2O, v. sol. hot H_2O. Mp 175°.

Feitelson, K. *et al*, *J. Chem. Soc.*, 1958, 2426 (*synth, pharmacol*)
Rabiger, D.J. *et al*, *J. Org. Chem.*, 1964, **29**, 476 (*uv, ir, props*)
Andreeva, L.G., *Pharmazie*, 1965, **20**, 95 (*chromatog*)
Mousseron, M. *et al*, *Chim. Ther.*, 1967, **2**, 95 (*synth, activity*)
Akopyan, O.A. *et al*, *Farm. Zh.*, 1972, **27**, 45 (*anal*)
Raban, M. *et al*, *J. Org. Chem.*, 1985, **50**, 2205 (*synth, pmr, cmr*)

4-Benzyl-3-butylamino-5-sulfamoylbenzoic acid B-00108

*3-(Aminosulfonyl)-5-(butylamino)-4-(phenylmethyl)-benzoic acid, 9CI. 3-(Butylamino)-α-phenyl-5-sulfamoyl-*p*-toluic acid. **Besunide, INN, JAN***
[36148-38-6]

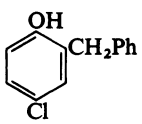


$C_{18}H_{22}N_2O_4S$ M 362.443
Diuretic. Mp 236-237°.
▷DG3100500.

Nielsen, O.B.T. *et al*, *J. Med. Chem.*, 1973, **16**, 1170; 1975, **18**, 41 (*synth, pharmacol*)

2-Benzyl-4-chlorophenol B-00109

*4-Chloro-α-phenyl-*o*-cresol, 8CI. 5-Chloro-2-hydroxydiphenylmethane. **Clorophene, USAN**. Clorofene, INN. Benzochlorophene. Santophen I. Septiphene. NSC 59989*
[120-32-1]



$C_{13}H_{11}ClO$ M 218.682
Disinfectant. Mp 48.5°. $Bp_{3.5}$ 160-162°.
▷GO7175000.

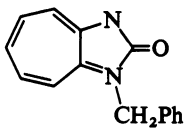
Klarmann, E. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 3315 (*synth*)
Ger. Pat., 703 955, (*1941*); *CA*, **36**, 1050 (*synth*)

Meyerson, H.D. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 4964 (*ms*)
Palmer, M.H. *et al*, *J. Chem. Soc.* (*B*), 1968, 742 (*pmr*)
Schroetter, E. *et al*, *Pharmazie*, 1974, **29**, 374 (*synth, pharmacol*)
Minami, N. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1490 (*synth*)
Schaefer, T. *et al*, *Can. J. Chem.*, 1979, **57**, 3005 (*pmr*)
Ridley, W.P. *et al*, *J. Toxicol. Environ. Health*, 1986, **18**, 267 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2230.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 755.

1-Benzyl-2(1*H*)-cycloheptimidazolone, 8CI B-00110

1-(Phenylmethyl)-2(1H)-cycloheptimidazolone, 9CI. ***Benhepazone, INN, JAN.*** *RCH 314*

[363-13-3]



$C_{15}H_{12}N_2O$ M 236.273

Analgesic. Pale yellow cryst. (MeOH). Mp 181°.

▷GU4670500.

Minakami, H. *et al*, *Life. Sci.*, 1964, **3**, 305 (*pharmacol*)
Soma, N. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 819 (*synth*)
Murata, H. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 1906 (*anal*)

2-Benzyl-4-(diethylamino)butanoic acid B-00111

α-[2-(Diethylamino)ethyl]benzenepropanoic acid, 9CI. α-[2-(Diethylamino)ethyl]hydrocinnamic acid, 8CI. Dolispan

[1613-24-7]

$PhCH_2CH(COOH)CH_2CH_2NEt_2$

$C_{15}H_{23}NO_2$ M 249.352

(±)-form

Antispasmodic agent. Mp 102-104°.

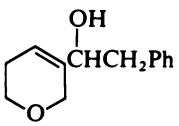
Oxalate (1:1): [17341-99-0]. *Spasmocalm. Spasmokalon.*

U.S.P., 2 947 756, (*1960*); *CA*, **55**, 575 (*synth*)
Daleva, L. *et al*, *Farmatsiya* (*Sofia*), 1967, **17**, 26 (*pharmacol*)
Vulkova, A. *et al*, *Farmatsiya* (*Sofia*), 1972, **22**, 14 (*uv, ir, struct*)

α-Benzyl-5,6-dihydro-2*H*-pyran-3-methanol B-00112

1-(5,6-Dihydro-2H-pyran-3-yl)-2-phenylethanol. C 29

[16891-80-8]



$C_{13}H_{16}O_2$ M 204.268

(±)-form

Choleretic agent. Mp 63°. Component of Vedrenan.

B.P., 910 913, (*1962*); *CA*, **58**, 7911 (*synth, props*)
Koss, F.W. *et al*, *Eur. J. Pharmacol.*, 1968, **4**, 215 (*pharmacol*)
Dornier, R., *Ann. Med. Nancy*, 1969, **8**, 301 (*Vedrenan*)
Beck, K. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 693 (*pharmacol*)

Benzyldimethyldodecylammonium(1+) B-00113

N-Dodecyl-N,N-dimethylbenzenemethanaminium, 9CI. Benzododecinium

[10328-35-5]

$H_3C(CH_2)_{11}N^{\oplus}Me_2CH_2Ph$

$C_{21}H_{38}N^{\oplus}$ M 304.538 (ion)

Phase-transfer catalyst. Disinfectant and antiseptic.

Bromide: [7281-04-1].
$C_{21}H_{38}BrN$ M 384.442
Mp 47°.

▷BO7875000.

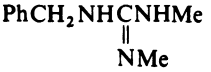
Chloride: [139-07-1]. *Benzododecinium chloride, INN.*
$C_{21}H_{38}ClN$ M 339.991
Mp 31-32°.

Cella, J.A. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2061 (*synth*)
Stepanenko, B.N. *et al*, *CA*, 1968, **69**, 106057 (*synth*)
Namba, Y. *et al*, *CA*, 1971, **74**, 125014 (*synth*)
Palacek, J. *et al*, *Synthesis*, 1976, 550 (*use*)
He, H., *CA*, 1986, **104**, 206795 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **7**, 16 (*use*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6402.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 406.

1-Benzyl-2,3-dimethylguanidine, 8CI B-00114

N,N′-Dimethyl-N″-(phenylmethyl)guanidine, 9CI. ***Betanidine, INN.*** *Bethanidine, BAN. Benzanidin. Benzoxine. Betanidol. Bethanid. BW 467-C-60. NSC 106563. Numerous proprietary names*

[55-73-2]



$C_{10}H_{15}N_3$ M 177.249

Antihypertensive drug. Mp 195-197°.

2B,H₂SO₄: [114-85-2]. *Bethanidine sulfate, USAN. Betanidine sulfate, JAN.* Mp 278°, 289-290° dec.

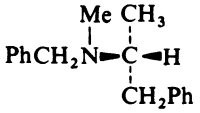
▷ME8575000.

Netherlands Pat., 6 510 117, (*1966*); *CA*, **65**, 3791 (*synth*)
Green, A.F., *J. Clin. Pharmacol.*, 1982, **13**, 25 (*pharmacol, rev*)
Boura, A.L.A. *et al*, *Discoveries Pharmacol.*, 1984, **2**, 73 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1688 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 854.

N-Benzyl-*N*,α-dimethylphenethylamine B-00115

N,α-Dimethyl-N-(phenylmethyl)benzeneethanamine, 9CI

[101-47-3]



(R)-form Absolute configuration

$C_{17}H_{21}N$ M 239.360

N-Oxide: see Oxifentorex, O-00112

(R)-form [26097-55-2]

Oil. $Bp_{0.9}$ 155-156°.

B,HCl: [28646-36-8]. Mp 131-132°.

(*S*)-*form* [156-08-1]
Benzphetamine, BAN. *Benzfetamine, INN*
Anorectic agent. Oil. $Bp_{0.2}$ 127°. $[\alpha]_D^{20}$ +45° (c, 10 in EtOH).
▷SG9602000.
B,HCl: [5411-22-3]. *Didrex. Inapetyl. U 0441.* Mp 129-130°.
U.S.P., 2 789 138, (*1957*); *CA*, **51**, 12972 (*synth*)
Holland, G.F. *et al*, *J. Med. Chem.*, 1963, **6**, 519 (*pharmacol*)
Lespagnol, A. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 2744; 1971, 3306 (*synth*)
Veldkamp, W. *et al*, *Toxicol. Appl. Pharmacol.*, 1964, **6**, 15 (*pharmacol*)
Schlagel, C.A. *et al*, *J. Pharm. Sci.*, 1969, **58**, 1453 (*props*)
Neville, G.A. *et al*, *J. Med. Chem.*, 1971, **14**, 717 (*pmr*)
Niwaguchi, T. *et al*, *Xenobiotica*, 1982, **12**, 617 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1471.

Benzyldimethyl(tetradecyl)ammonium(1+), 8CI B-00116

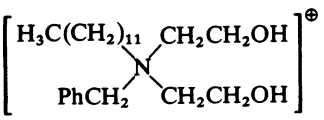
N,N-*Dimethyl*-N-*tetradecylbenzenemethanaminium*, *9CI. Miristalkonium*

$H_3C(CH_2)_{13}N^{\oplus}Me_2CH_2Ph$

$C_{23}H_{42}N^{\oplus}$ M 332.592 (ion)
Antiinfective, surface-active agent.
Chloride: [139-08-2]. *Miristalkonium chloride, INN. Faringets active substance.*
$C_{23}H_{42}ClN$ M 368.045
Mp 60-61°.
▷BO7150000.
U.S.P., 3 360 563, (*1967*); *CA*, **68**, 38525 (*synth, props*)
Namba, Y. *et al*, *Kogyo Kagaku Zasshi*, 1971, **74**, 413 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2259.

Benzyldodecylbis(2-hydroxyethyl)-ammonium(1+), 8CI B-00117

N-*Dodecyl*-N,N-*bis*(*2-hydroxyethyl*)-*benzenemethanaminium*(*1+*), *9CI. Benzoxonium*



$C_{23}H_{42}NO_2^{\oplus}$ M 364.590 (ion)
Fungicide, antibacterial agent. Used mainly as chloride.
Chloride: [19379-90-9]. *Benzoxonium chloride, INN. Bialcol. Bradophen. Absonal. D 301. Lomades. Orofar.*
$C_{23}H_{42}ClNO_2$ M 400.043
Action inhibited by glucocorticoids.
Raab, W.P., *Arch. Klin. Exp. Dermatol.*, 1968, **231**, 250 (*pharmacol*)
Raab, W.P., *Br. J. Dermatol.*, 1971, **84**, 582 (*pharmacol*)

Benzylhexadecyldimethylammonium(1+) B-00118

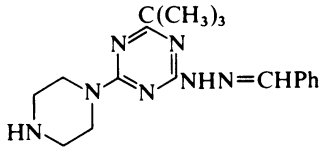
N-*Hexadecyl*-N,N-*dimethylbenzenemethanaminium*, *9CI. Cetalkonium. Acinol. Armil. Baktonium. Banicol. Bicetonium. Ceetolan. Cetol. Spilan. Tetraseptan. Zettyn. NSC 32942. Win 357*

$PhCH_2N^{\oplus}Me_2(CH_2)_{15}CH_3$

$C_{25}H_{46}N^{\oplus}$ M 360.645 (ion)
Antiinfective and surface-active agent. Cryst. (EtOAc/pet. ether).
Chloride: [122-18-9]. *Cetalkonium chloride, INN, BAN, USAN.*
$C_{25}H_{46}ClN$ M 396.098
Mp 68° (59°).
U.S.P., 2 075 958, (*1937*); *CA*, **31**, 3597 (*synth, props*)
Westphal, O. *et al*, *Ber.*, 1940, **73**, 1011 (*synth*)
Shelton, R.S. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 753 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2214.

2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine B-00119

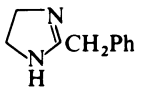
Benzaldehyde [*4-(1,1-dimethylethyl)-6-(1-piperazinyl)-1,3,5-triazin-2-yl*]*hydrazone*, *9CI. TR 35*
[58892-44-7]



$C_{18}H_{25}N_7$ M 339.442
Analgesic, antiinflammatory agent. Mp 166-168°.
▷XY3315000.
Japan. Pat., 76 68 582, (*1976*); *CA*, **86**, 43750 (*synth, pharmacol*)
Tobe, A. *et al*, *Yakugaku Zasshi*, 1976, **96**, 223, 503, 689 (*pharmacol*)

2-Benzyl-2-imidazoline B-00120

4,5-Dihydro-2-(phenylmethyl)-1H-imidazole, *9CI. 2-Benzyldihydroglyoxaline.* ***Tolazoline, BAN, INN.*** *Benzazoline. Benzidazol. Numerous proprietary names*
[59-98-3]

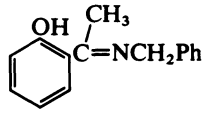


$C_{10}H_{12}N_2$ M 160.218
Antiadrenergic, peripheral vasodilator. Cryst. (pet. ether). Mp 66-68°.
▷NJ1925000.
B,HCl: [59-97-2]. *Priscol. Tolazoline hydrochloride, USAN.* Mp 171-172°.
▷NJ2350000.
Picrate: Yellow solid. Mp 147°.
Scholz, C.R., *Ind. Eng. Chem.*, 1945, **37**, 120 (*rev*)
Ohashi, M. *et al*, *Org. Mass. Spectrom.*, 1968, **1**, 703 (*ms*)
Fomam, Z.T., *J. Chem. Soc., Chem. Commun.*, 1974, 706 (*synth*)
George, B. *et al*, *J. Org. Chem.*, 1977, **42**, 441 (*synth*)
Singh, S.P. *et al*, *J. Pharm. Sci.*, 1979, **68**, 890 (*cmr*)
Neef, G. *et al*, *J. Org. Chem.*, 1981, **46**, 2824 (*synth*)
Owen, J.T.R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1981, **64**, 1164 (*cryst struct*)
Ward, R.M. *et al*, *Clin. Perinatol.*, 1984, **11**, 703 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1533 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9281.

2-[1-(Benzylimino)ethyl]phenol B-00121

2-[1-[(Phenylmethyl)imino]ethyl]phenol, 9CI. o-(N-*Benzylacetimidoyl)phenol.* ***Oletimol, BAN, INN***

[5879-67-4]



$C_{15}H_{15}NO$ M 225.290

Antirheumatic. Pale-green needles (EtOH). Mp 117.5-118.5°.

Baker, W. *et al, J. Chem. Soc.*, 1952, 1294 (*synth*)
Dudek, G.O., *J. Am. Chem. Soc.*, 1963, **85**, 694 (*pmr*)
Al-Sayyab, A.F. *et al, J. Chem. Soc. (C)*, 1968, 411 (*synth*)

Benzyl isothiocyanate B-00122

Isothiocyanatomethylbenzene, 9CI. Phenylmethylisothiocyanate. Benzyl mustard oil. Tromocaps. Tromalyt active substance. Urogran

[622-78-6]

$PhCH_2N{=}C{=}S$

C_8H_7NS M 149.210

Isol. from *Tropaeolum majus* and *Lepidium sativum.* Has bactericidal props. Liq. Bp 243°, Bp_{12} 125-126°.

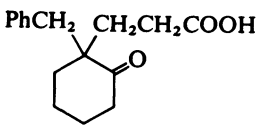
▷NX8250000.

McKay, A.F. *et al, J. Am. Chem. Soc.*, 1959, **81**, 4328 (*synth, props*)
Kjaer, A. *et al, Acta Chem. Scand.*, 1963, **17**, 2143 (*ms*)
Jochims, J.C. *et al, Angew. Chem., Int. Ed. Engl.*, 1967, **6**, 174 (*synth*)
Martin, D. *et al, Angew. Chem., Int. Ed. Engl.*, 1967, **6**, 168.
Weuffen, W. *et al, Pharmazie*, 1967, **22**, 506, 510; 1968, **23**, 579 (*props*)
Lien, E.J. *et al, J. Med. Chem.*, 1968, **11**, 430 (*props*)
Goerler, K. *et al, Xenobiotica*, 1982, **12**, 535 (*metab*)
Molina, P. *et al, Synthesis*, 1982, 596 (*synth*)
Kim, S. *et al, J. Org. Chem.*, 1986, **51**, 2613 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12434.

1-Benzyl-2-oxocyclohexanepropionic acid, 8CI B-00123

2-Oxo-1-(phenylmethyl)cyclohexanepropanoic acid, 9CI. ***Hexacyprone, INN***

[892-01-3]



$C_{16}H_{20}O_3$ M 260.332

▷GV6740000.

(±)-form

Choleretic agent. Mp 65-67°.

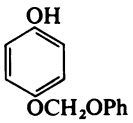
Ca salt (2:1): [3837-23-8]. *Epadren.*

U.S.P., 3 439 099, (*1969*); *CA*, **71**, 49580u (*synth, pharmacol*)
Meli, A. *et al, Farmaco, Ed. Prat.*, 1971, **26**, 269 (*pharmacol*)
U.S.P., 3 649 678, (*1972*); *CA*, **77**, 19392r (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12824.

4-(Benzyloxy)phenol B-00124

4-(Phenylmethoxy)phenol, 9CI. ***Monobenzone, INN.*** *Agerite. Alba. Aloquin. Benoquin. Benzoquin. Carmifal. Depigman. Der-Albine. Dermochinona. Leucodinine. Pigmex*

[103-16-2]



$C_{13}H_{12}O_2$ M 200.237

Depigmentor, bactericide. Mp 39-39.5°.

▷SJ7700000.

Ac:

$C_{15}H_{14}O_3$ M 242.274

Cryst. ($CHCl_3$/pet. ether). Mp 104-107°.

Me ether: [6630-18-8]. *1-Methoxy-4-(phenylmethoxy)benzene, 9CI.* p-*Benzyloxyanisole.*

$C_{14}H_{14}O_2$ M 214.263

Cryst. (MeOH). Mp 74°.

Rowe, E.J. *et al, J. Org. Chem.*, 1958, **23**, 1622 (*synth*)
Becker, S.W., *J. Am. Med. Assoc.*, 1962, **180**, 279 (*pharmacol*)
Wexler, A.S., *Anal. Chem.*, 1963, **35**, 1936 (*uv*)
Smith, G.W., *J. Mol. Spectrosc.*, 1964, **12**, 146 (*pmr*)
Zaslow, B. *et al, Mol. Cryst.*, 1967, **3**, 297 (*cryst struct*)
Lien, E.J. *et al, J. Med. Chem.*, 1968, **11**, 43 (*pharmacol*)
Innorta, G. *et al, Org. Mass Spectrom.*, 1973, **7**, 1399 (*ms*)
Al-Hamdany, R. *et al, J. Chem. Soc., Perkin Trans. 2*, 1985, 1395 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1624.

N-(Benzyloxy)-*N*-(3-phenylpropyl)-acetamide, 8CI B-00125

N-(*Phenylmethoxy*)-N-(*3-phenylpropyl*)*acetamide, 9CI.* ***Beloxamide, USAN, INN.*** *W 1372*

[15256-58-3]

$PhCH_2CH_2CH_2N(Ac)OCH_2Ph$

$C_{18}H_{21}NO_2$ M 283.369

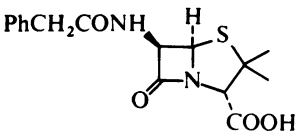
Hyperlipoproteinaemic agent. Oil. $Bp_{0.1}$ 145°.

Ludwig, B.J. *et al, J. Med. Chem.*, 1967, **10**, 556 (*synth, pharmacol*)
Edelson, J. *et al, J. Pharm. Sci.*, 1970, **59**, 680 (*metab*)

Benzylpenicillin, INN B-00126

6-(Phenylacetamido)penicillanic acid. Penicillin G. Penicillin II. Phenylacetylpenin. Numerous proprietary names

[61-33-6]



$C_{16}H_{18}N_2O_4S$ M 334.389

Antibiotic from *Pencillium* spp. and also other fungal spp. Shows activity against gram-positive bacteria. Starting material for production of 6-Aminopenicillanic acid. $[\alpha]_D$ +282° (EtOH). Production enhanced by adding Phenylacetic acid to fermentation.

▷Toxic. XH9400000.

Na salt: [69-57-8]. Needles (butanol aq.). Sol. H_2O, MeOH. Mp 215° dec. $[\alpha]_D^{25}$ +301° (H_2O).

▷Exp. carcinogen. XH9800000.

K salt: [113-98-4]. Needles (butanol aq.). Sol. H_2O. Mp 214-217° dec. $[\alpha]_D^{22}$ +285° (H_2O).

▷XH9700000.

Procaine salt (1:1): [54-35-3]. ***Procaine penicillin G***. Antibiotic for injection. Mp 129-130°. $[\alpha]_D^{25}$ +173° (50% Me_2CO aq.).

N-*Ethylpiperidinium salt:* Deriv. with good org. solv. solubility, useful for isol. Cryst. ($Me_2CO/CHCl_3$). Sol. H_2O. Mp 167-168° dec. $[\alpha]_D^{25}$ +238°.

Benzyl(phenethyl)ammonium salt (1:1): [751-84-8]. ***Benethamine penicillin, BAN, INN***. *Propen. Triplopen.* Antibiotic. Mp 146-147°.

▷XF9845000.

N,N'-*Dibenzylethylenediammonium salt (2:1):* [1538-09-6]. ***Benzathine penicillin, BAN***. *Benzathine benzylpenicillin, INN. Penicillin G benzathine. Benzetacil. Benzethacil.* Cryst. + H_2O. Mp 123-124°. $[\alpha]_D^{25}$ +206° (Formamide).

▷XH9425000.

2,5-Diphenylpiperazine salt: [7009-88-3]. ***Phenyracillin, INN***. *Fenyracilline.* Mp 219°. $[\alpha]_D$ +212° (*N*-methylformamide).

▷XH9802000.

Clemizole salt (1:1): [6011-39-8]. ***Clemizole penicillin, INN, BAN***. Antibiotic.

N,N-*Bis(dehydroabietyl)ethylenediamine salt (2:1):* [3344-16-9]. ***Hydrabamine penicillin***. *Compocillin.* Antibiotic. Cryst. (MeOH aq.). $[\alpha]_D^{25}$ +115.3° (c, 10 in $CHCl_3$). Dec. at 171-173°.

1,1-Diphenylmethylamine salt (1:1): [1538-11-0]. ***Benzhydrylamine penicillin***. *Orencil. Penidryl.* Antibiotic. Cryst. (Me_2CO aq.). Mp 159°. $[\alpha]_D^{20}$ +206° (c, 1 in H_2O).

▷XH9802500.

Me ester: Needles (EtOAc/hexane). Mp 97-98°. $[\alpha]_D$ +286° ($CHCl_3$).

Benzyl ester: Oil. Sol. EtOAc. $[\alpha]_D^{24}$ +213°.

Chain, E.B. *et al*, *Antibiotics*, 1949, Oxford University Press, **2** (*rev*)

The Chemistry of Penicillin, 1949, Princeton University Press (*rev*)

Sheehan, J.C. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 2983 (*synth*)

Bycroft, B.W. *et al*, *J. Chem. Soc., Chem. Commun.*, 1975, 923 (*biosynth*)

Bachi, M.D. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, 11 (*synth*)

Morin, R.B. *et al*, (*Eds.*), *Chem. and Biol. of β-Lactam Antibiotics*, Vol. 1, Academic Press, N.Y., 1982 (*book*)

Kreuzig, F., *Anal. Profiles Drug Subst.*, 1982, **11**, 463 (*rev, Benzathine*)

Kirschbaum, J., *Anal. Profiles Drug Subst.*, 1986, **15**, 427 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 22, 125, 141, 181, 182.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3989 (*synonyms*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 411.

4-Benzylphenol B-00127

4-(Phenylmethyl)phenol, 9CI. α-Phenyl-p-cresol, 8CI. 4-Hydroxydiphenylmethane

[101-53-1]

$C_{13}H_{12}O$ M 184.237

Fungicide, bactericide, disinfectant. Needles (pet. ether). Mp 86°. Bp 320-322°, Bp_4 154-157°.

▷Toxic

Ac:

$C_{15}H_{14}O_2$ M 226.274

Liq. d_4^0 1.117. Bp 317°.

Benzoyl: [23450-15-9].

$C_{20}H_{16}O_2$ M 288.345

Mp 87°.

Me ether: [834-14-0]. *4-Benzylanisole.*

$C_{14}H_{14}O$ M 198.264

Mp 20°. Bp 305°, Bp_{10} 177°.

Et ether: [35672-52-7]. *4-Benzylphenetole.*

$C_{15}H_{16}O$ M 212.291

Oil. d^{24} 1.038. Bp 317°, Bp_{37} 217°. Steam-volatile.

O-*Carbamoyl:* [101-71-3]. ***Diphenan, INN***. *Carbaurine. Butolan. Carphenol. Oxybulan. Palafuge. Parabencil.*

$C_{14}H_{13}NO_2$ M 227.262

Anthelminthic. Mp 147-150°.

Monacelli, W.J. *et al*, *J. Am. Chem. Soc.*, 1941, **63**, 1722 (*synth*)

Papa, D. *et al*, *J. Org. Chem.*, 1942, **7**, 587 (*synth*)

Tribble, M.T. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 379 (*pmr*)

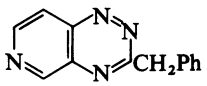
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 773.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 411.

3-Benzylpyrido[3,4-*e*]-1,2,4-triazine B-00128

*3-(Phenylmethyl)pyrido[3,4-e]-1,2,4-triazine, 9CI. **Triafungin, USAN, INN**. EU 3325*

[55242-77-8]



$C_{13}H_{10}N_4$ M 222.249

Antifungal agent. Cryst. (EtOH). Mp 125°.

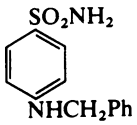
Ger. Pat., 2 427 382, (*1975*); *CA*, **82**, 171087f (*synth, pharmacol*)

Gelleri, A. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1976, **90**, 301 (*synth*)

Benzylsulfamide, INN B-00129

4-[(Phenylmethyl)amino]benzenesulfonamide, 9CI. N^4-Benzylsulfanilamide, 8CI. 46 R.P.. M + B 125. Septazine. Chemodyn. Proseptazine

[104-22-3]



$C_{13}H_{14}N_2O_2S$ M 262.326

Antibacterial agent. Mp 175°.

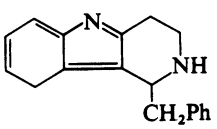
Goissedet, P.E.C. *et al*, *Compt. Rend. Soc. Biol.*, 1936, **121**, 1082 (*synth, pharmacol*)

Bridges, J.W. *et al*, *Anal. Chem.*, 1974, **46**, 1010 (*anal*)

1-Benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole, 8CI B-00130

*1-Benzyl-1,2,3,4-tetrahydronorharman. **Fenharmane, INN**. Phenoharman*

[3851-30-7]

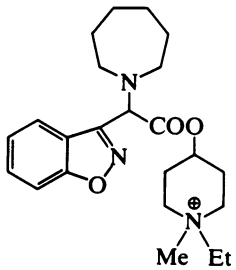


$C_{18}H_{18}N_2$ M 262.354

▷UU9450000.

(±)-*form*
Tranquilliser.
Methylsulfate: Mp 258-260°.
Czech. Pat., 98 139, (*1961*); *CA*, **56**, 474e (*synth, pharmacol*)

Beperidium(1+) **B-00131**
4-[[1,2-Benzisoxazol-3-yl(hexahydro-1H-azepin-1-yl)-acetyl]oxy]-1-ethyl-1-methylpiperidinium, *9CI*



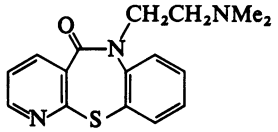
$C_{23}H_{34}N_3O_3^{\oplus}$ M 400.540 (ion)
Anticholinergic agent.
Iodide: [86434-57-3]. *Beperidium iodide*, *INN. SX 810.*
$C_{23}H_{34}IN_3O_3$ M 527.444
Cryst. (MeCN/isopropyl ether). Mp 157-160°.
Kawashima, K. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 927 (*pharmacol*)
Mizuta, H. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1987, **22**, 209 (*synth, pharmacol*)

Bephenium(1+) **B-00132**
N,N-Dimethyl-N-(2-phenoxyethyl)-benzenemethanaminium
[7181-73-9]

$PhOCH_2CH_2N^{\oplus}(Me)_2CH_2Ph$

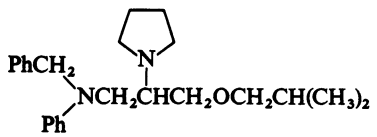
$C_{17}H_{22}NO^{\oplus}$ M 256.367 (ion)
Anthelmintic.
Bromide:
$C_{17}H_{22}BrNO$ M 336.271
Cryst. (2-propanol/EtOAc). Mp 144.5-146°.
Chloride:
$C_{17}H_{22}ClNO$ M 291.820
Cryst. (Me_2CO). Mp 135-136°.
3-Hydroxy-2-naphthoate salt (1:1): [3818-50-6]. *Bephenium hydroxynaphthoate, BAN, USAN, INN. Alcopar. Befeniol. Lecibis. Nemex. Other proprietary names.*
$C_{28}H_{29}NO_4$ M 443.541
Mp 170-171°.
4,4'-Methylenebis(3-hydroxy-2-naphthoate) salt (2:1): [21847-63-2]. *Bephenium embonate. Bephenium pamoate. Frantin.*
$C_{57}H_{60}N_2O_8$ M 901.110
Pale-yellow solid + $2H_2O$ (H_2O). Mp 144-146°.
Burrows, R.B. *et al*, *J. Parasitol.*, 1958, **44**, 607 (*pharmacol*)
B.P., 819 681, (*1959*); *CA*, **54**, 4496 (*synth*)
Marquardt, W.C. *et al*, *J. Parasitol.*, 1960, **46**, 42 (*pharmacol*)
Bekhli, A.F. *et al*, *CA*, 1963, **59**, 8669 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 762.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4498.

Bepiastine, INN **B-00133**
6-[2-(Dimethylamino)ethyl]pyrido[2,3-b][1,5]-benzothiazepin-5(6H)-one, *9CI*, *8CI. UP 107*
[10189-94-3]



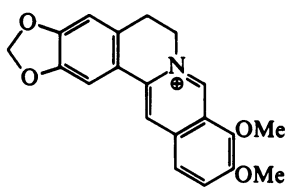
$C_{16}H_{17}N_3OS$ M 299.390
Antihistamine. Mp 170°.
B.P., 1 156 781, (*1967*); *CA*, **71**, 101899w (*synth, pharmacol*)

Bepridil, BAN, INN **B-00134**
β-[(2-Methylpropoxy)methyl]-N-phenyl-N-(phenylmethyl)-1-pyrrolidineethanamine, *9CI. 1-[2-(N-Benzylanilino)-1-(isobutoxymethyl)ethyl]pyrrolidine. N-Benzyl-N-(3-isobutoxy-2-pyrrolidin-1-ylpropyl)aniline*
[64706-54-3]



$C_{24}H_{34}N_2O$ M 366.545
(±)-*form*
Calcium antagonist, antianginal agent, vasodilator.
Viscous liq. $Bp_{0.1}$ 184°. n_D^{20} 1.5538.
B,HCl: [74764-75-3]. *Bepridil hydrochloride, USAN. Angropril. Cordium. Org 5730. CERM 1978. Vascor.*
Monohydrate. Mp 91°.
▷LD_{50} in mice 1.95 g/kg, p.o.; 23.5 mg/kg, i.v.
Ger. Pat., 2 802 864, (*1978*); *CA*, **89**, 179852s (*synth*)
Vogel, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1978, **210**, 378 (*pharmacol*)
Declercq, J.P. *et al*, *Bull. Soc. Chim. Belg.*, 1984, **93**, 235 (*cryst struct*)
Marshall, R.J. *et al*, *New Drugs. Annu.: Cardiovasc. Drugs*, 1984, **2**, 157 (*rev*)
Alpert, J.S. *et al*, *Pharmatherapeutica*, 1985, **4**, 195 (*rev*)
Schwartz, A. *et al*, *Am. J. Cardiol.*, 1985, **55**, 3, 8, 59 (*pharmacol, metab*)
Hasegawa, G.R., *Clin. Pharm.*, 1988, **7**, 97 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12435.

Berberine **B-00135**
5,6-Dihydro-9,10-dimethoxybenzo[g]-1,3-benzodioxolo[5,6-a]quinolizinium, *9CI. Umbellatine*
[2086-83-1]



$C_{20}H_{18}NO_4^{\oplus}$ M 336.367 (ion)
Quaternary alkaloid from many *Berberis* and *Mahonia* spp. (Berberidaceae) and very many other spp. in several different families. Pharmacol. extensively studied. Shows a wide variety of pharmacol. effects including respiratory stimulation, transient hypotension, convulsion. Cholinesterase, tyrosine decarboxylase and tryptophanase inhibitor. Antianaemic agent. Shows antibacterial and antifungal props. and some cytoxic and antineoplastic activity. Of clinical use in treatment of gastrointestinal disorders, has been used for cholera and infantile diarrhoea. Of rel. low toxicity.

▷Highly toxic, LD_{50} 27.5 mg/kg. DR9870000.

Hydroxide: [117-74-8].
$C_{20}H_{19}NO_5$ M 353.374
Mp 145° ($CHCl_3$ solvate). Forms hydrate, Mp variable, dec. ca. 160°.
▷DR9866500.

Sulfate: [633-66-9].
$C_{20}H_{18}NO_8S$ M 432.424
Mp 274°.
▷DR9867000.

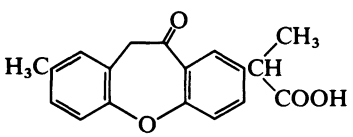
Iodide: [4263-84-7].
$C_{20}H_{18}INO_4$ M 463.271
Mp 250° dec.

Perkin, W.H. *et al*, *J. Chem. Soc.*, 1925, **127**, 740 (*synth*)
Haworth, R.D. *et al*, *J. Chem. Soc.*, 1927, 548 (*synth*)
Kametani, T. *et al*, *J. Chem. Soc. (C)*, 1969, 2036 (*synth, ir*)
Preininger, V. *et al*, *Collect. Czech. Chem. Commun.*, 1970, **35**, 124 (*isol, uv*)
Jewers, K. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 1393 (*pmr*)
Wu, W.-N. *et al*, *Lloydia*, 1977, **40**, 384 (*isol*)
Bhakuni, D.S. *et al*, *Alkaloids (N.Y.)*, 1986, **28**, 78 (*rev, pharmacol*)
Schiff, P.L. *Alkaloids: Chem. Biol. Perspectives*, Wiley, N.Y., 1987, **5**, 363 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 524.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 412.

Bermoprofen, INN B-00136

10,11-Dihydro-α,8-dimethyl-11-oxodibenz[b,f]*oxepin-2-acetic acid, 9CI*

[78499-27-1]



$C_{18}H_{16}O_4$ M 296.322
▷HQ4083000.

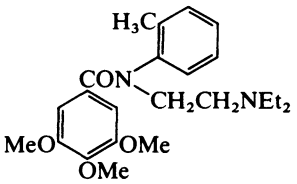
(±)-*form* [72619-34-2]
AD 1590
Antiinflammatory, antipyretic agent. Cryst. (toluene). Mp 128-129°.

Nagai, Y. *et al*, *J. Med. Chem.*, 1982, **25**, 1065 (*synth, pharmacol*)
Nakamura, H. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1555 (*pharmacol*)
Yokoyama, Y. *et al*, *J. Pharmacobio-Dyn.*, 1986, **9**, 417 (*pharmacol*)
Hino, K. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 3462 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18723.

Bernzamide B-00137

N-[*2-(Diethylamino)ethyl*]-*3,4,5-trimethoxy*-N-(*2-methylphenyl*)*benzamide, 9CI. Gallanilide 603*

[76644-53-6]



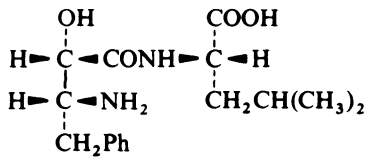
$C_{23}H_{32}N_2O_4$ M 400.517
Antiarrhythmic agent.

Liu, Y. *et al*, *CA*, 1981, **95**, 203516 (*synth*)
Zhu, X. *et al*, *CA*, 1982, **97**, 192895 (*pharmacol*)
Li, D. *et al*, *CA*, 1984, **101**, 143807 (*pharmacol*)

Bestatin B-00138

N-(*3-Amino-2-hydroxy-1-oxo-4-phenylbutyl*)*leucine, 9CI. Inobestin.* ***Ubenimex, INN.*** *NK 421*

[58970-76-6]



Absolute configuration

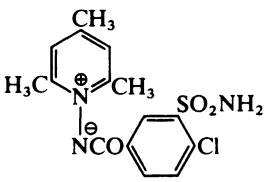
$C_{16}H_{24}N_2O_4$ M 308.377
Peptide antibiotic. Prod. by *Streptomyces olivoreticuli*. Inhibitor of aminopeptidase *B*. Shows antitumour props. with clinical potential. Immunomodulator. Needles. Mp 233-236°. $[\alpha]_D^{20}$ −15.5° (c, 1 in 1N HCl).
▷OH2915000.

Umezawa, H. *et al*, *J. Antibiot.*, 1976, **29**, 97, 100, 600 (*synth*)
Umezawa, H. *et al*, *J. Med. Chem.*, 1977, **20**, 510 (*synth, pharmacol*)
Ricci, J.S. *et al*, *J. Org. Chem.*, 1982, **47**, 3063 (*cryst struct*)
Kobayoshi, S. *et al*, *Tetrahedron Lett.*, 1984, **25**, 5079 (*synth*)
Umezawa, H., *Drugs Clin. Exp. Res.*, 1984, **10**, 519 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16531.

Besulpamide, INN B-00139

1-[[3-(Aminosulfonyl)-4-chlorobenzoyl]amino]-2,4,6-trimethylpyridinium hydroxide inner salt, 9CI. Fisbren

[90992-25-9]



$C_{15}H_{16}ClN_3O_3S$ M 353.823
Inner salt. Diuretic, antihypertensive agent. Cryst. Mp 264-265°.

Eur. Pat., 117 196, (*1984*); *CA*, **102**, 24490 (*synth, pharmacol*)
Colombo, M. *et al*, *Methods Find. Exp. Clin. Pharmacol.*, 1987, **9**, 101, 111, 121 (*pharmacol, tox*)

Betaine B-00140

Carboxy-N,N,N-*trimethylmethanaminium hydroxide inner salt, 9CI. (Carboxymethyl)trimethylammonium hydroxide inner salt. Glycine betaine. Glycocoll betaine. Lycine. Abromine*

[107-43-7]

$Me_3N^{\oplus}CH_2COO^{\ominus}$

$C_5H_{11}NO_2$ M 117.147

Prod. by *Aspergillus oryzae, Patella vulgata, Claviceps purpurea* and other fungi. Occurs widely in plants and animals. Alkaloid from *Abroma augusta* (Sterculiaceae). May play a part in cytoplasmic osmoregulation. Deliquescent scales or cryst.; cryst. + $1H_2O$ (H_2O). pK_a 3.84 (free acid). Dec. at ca. 310° (293-4°) with isom. to Me_2NCH_2COOMe.

▷DS5900000.

B,HCl: [590-46-5]. *Betaine hydrochloride, USAN. Acidol. Lycine hydrochloride. Achylin. Acidin. Acinorm. Acipepsol. Aciventral forte. Euacid. Muriat. Pepsacid.* Used in solders, fluxes and in org. synth. Lipotropic. Electrolyte replenisher, gastric acidifier. Needles. Mp 243-244° dec. $[\alpha]_D^{20}$ −29.51° (H_2O).

Picrate: Yellow prisms (H_2O). Mp 181-182°.

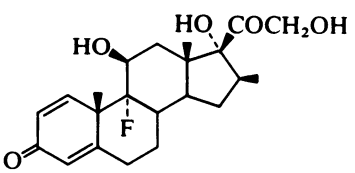
Aspartate (1:1): [52921-08-1]. *Hepastyl. Somabet. Somatyl.* Used in treatment of liver and stomach disorders.

Stoltzenberg, H. *et al, Z. Physiol. Chem.*, 1914, **92**, 445 (*synth*)
Edsall, J.T., *J. Am. Chem. Soc.*, 1943, **65**, 1767 (*synth, spectra*)
Guggenheim, M., *Die Biogenen Amine*, 1951, S. Karger, Basle, 4th Ed., 240 (*occur*)
Gauter, J.A. *et al, C.R. Hebd. Seances Acad. Sci.*, 1955, **241**, 884 (*synth*)
U.S.P., 2 800 502, (*1957*); *CA*, **51**, 16522 (*synth*)
Fr. Pat., M2462, (*1964*); *CA*, **61**, 8405 (*salt*)
Dasgupta, B. *et al, Experientia*, 1967, **23**, 989; 1968, **24**, 882; 1970, **26**, 477 (*isol*)
Leifer, A. *et al, J. Am. Chem. Soc.*, 1975, **79**, 5098 (*struct*)
Motohashi, N. *et al, Chem. Pharm. Bull.*, 1976, **24**, 1737 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1303.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 425.

Betamethasone, BAN, USAN, INN B-00141

9α-Fluoro-11β,17α,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione, 9CI. Betadexamethasone. Betametasone. Numerous proprietary names

[378-44-9]



$C_{22}H_{29}FO_5$ M 392.467

For 16α-epimer see Dexamethasone, D-00111 . Widely used corticosteroid; freq. used as esters. Cryst. (EtOAc). Mp 231-234° dec. $[\alpha]_D$ +108° (Me_2CO).

▷TU4000000.

21-Ac: [987-24-6]. ***Betamethasone acetate, JAN, USAN.*** *Betafluorene.*
$C_{24}H_{31}FO_6$ M 434.504
Prisms (Me_2CO/Et_2O). Mp 205-208° (196-201°). $[\alpha]_D$ +140° ($CHCl_3$).

21-Adamantoyl: [40242-27-1]. ***Betamethasone adamantoate, BAN.*** *Betsovet.*
$C_{33}H_{43}FO_6$ M 554.698

17-Benzoyl: [22298-29-9]. ***Betamethasone benzoate, BAN, USAN.*** *Bebate. Benisone. Uticort.*
$C_{29}H_{33}FO_6$ M 496.575
Cryst. (Me_2CO/Et_2O). Mp 225-228°. $[\alpha]_D^{24}$ +63.5° (dioxan).

21-(3-Carboxypropanoyl): [27297-42-3]. ***Betamethasone succinate.***
$C_{26}H_{33}FO_8$ M 492.540

17,21-Dipentanoyl: [38196-44-0]. ***Betamethasone divalerate.*** *Betadival.*
$C_{32}H_{45}FO_7$ M 560.702

17,21-Dipropanoyl: [5593-20-4]. ***Betamethasone dipropionate, BAN, JAN, USAN.*** *Other proprietary names.*
$C_{28}H_{37}FO_7$ M 504.595
Powder. Mp 170-179° dec. $[\alpha]_D^{26}$ +65.7° (dioxan). Component of Betasone, Alphatrex and Diprolene.

▷TU4058000.

21-(2-Hydroxybenzoyl): [52619-32-6]. ***Betamethasone salicylate.*** *Cortobenzolone. Tuplix.*
$C_{29}H_{33}FO_7$ M 512.574

17-(2-Methylpropanoyl), 21-Ac: [5534-05-4]. ***Betamethasone acibutate, INN, BAN.*** *GR 2/541.*
$C_{38}H_{37}FO_7$ M 624.705
Mp 131° dec. $[\alpha]_D$ +56.6° (c, 1 in dioxan).

17-Pentanoyl: [2152-44-5]. ***Betamethasone valerate, USAN, BAN, JAN.*** *Flubenisolone valerate. Betnovate. Numerous proprietary names.*
$C_{27}H_{37}FO_6$ M 476.584
Needles (Me_2CO/pet. ether). Mp 183-184°. $[\alpha]_D$ +77° (dioxan).

▷TU3835000.

17-Pentanoyl, 21-Ac: [5919-89-1]. ***Betamethasone valeroacetate.*** *Beta 21. Cortico LG.*
$C_{29}H_{39}FO_7$ M 518.621
Mp 202°. $[\alpha]_D$ +50.5° (dioxan).

21-Phosphate: [360-63-4].
$C_{22}H_{30}FO_8P$ M 472.446

21-Phosphate, di-Na salt: [151-73-5]. ***Betamethasone sodium phosphate, BAN, JAN, USAN.*** *Flubenisolone disodium phosphate. Betnesol. Numerous proprietary names.* Component of Betasone.

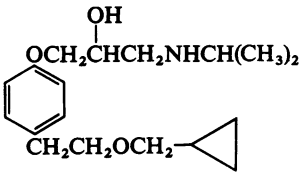
▷TU4056500.

Oliveto, E.P. *et al, J. Am. Chem. Soc.*, 1958, **80**, 6687 (*synth*)
Taub, D. *et al, J. Am. Chem. Soc.*, 1960, **82**, 4012 (*synth*)
Carrington, T.R. *et al, J. Chem. Soc.*, 1961, 4560 (*synth*)
Belg. Pat., 649 170, (*1964*); *CA*, **64**, 15958 (*esters, pharmacol*)
Rausser, R. *et al, J. Org. Chem.*, 1966, **31**, 26 (*synth*)
Scapagnini, U. *et al, Curr. Ther. Res. Clin. Exp.*, 1968, **10**, 464 (*pharmacol*)
Merrill, E.J. *et al, J. Labelled Compd.*, 1971, **7**, 509 (*synth*)
Ercoli, A. *et al, J. Med. Chem.*, 1972, **15**, 783 (*benzoate*)
Ger. Pat., 2 055 221, (*1972*); *CA*, **77**, 62240 (*divalerate*)
Ger. Pat., 2 340 591, (*1974*); *CA*, **81**, 4142 (*salicylate*)
Ger. Pat., 2 400 005, (*1974*); *CA*, **81**, 120869 (*adamantoate*)
Terzis, A. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 796 (*cryst struct, acetate*)
Ferrante, M.G. *et al, Anal. Profiles Drug Subst.*, 1977, **6**, 43 (*rev, dipropionate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6645, 6676, 7580, 7687, 7763 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1063, 1064, 1065, 1066, 1067, 1068.

Betaxolol, BAN, INN **B-00142**

1-[4-(2-Cyclopropylmethoxyethyl)phenoxy]-3-isopropylamino-2-propanol

[63659-18-7]



$C_{18}H_{29}NO_3$ M 307.432

(±)-*form*

β-Adrenergic blocking agent, antianginal, antihypertensive agent. Mp 70-72°.

B,HCl: [63659-19-8]. *Betaxolol hydrochloride,* USAN. *Kerlone. SLD 212. SL 75212. Betoptic.* Mp 116°.

▷UA9823000.

Ger. Pat., 2 649 605, (*1977*); *CA*, **87**, 134543j (*synth, tox*)
Cadigan, P.J. *et al*, *Br. J. Clin. Pharmacol.*, 1980, **9**, 569 (*pharmacol*)
Morselli, P.N. *et al*, *L.E.R.S. Monogr. Ser.*, 1983, Vol. 1 (*book*)
Pascard, C. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1430 (*cryst struct*)
Vermeij, P., *Pharm. Weekbl.*, 1984, **119**, 1198 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12439.

Bethanechol(1+) **B-00143**

2-[(Aminocarbonyl)oxy]-N,N,N-trimethyl-1-propanaminium, 9CI. *(2-Hydroxypropyl)trimethylammonium carbamate,* 8CI. *Carbamylmethylcholine*

[674-38-4]

$H_2NCOOCH(CH_3)CH_2N^{\oplus}Me_3$

$C_7H_{17}N_2O_2^{\oplus}$ M 161.224 (ion)

Cholinergic agent.

Chloride: [590-63-6]. *Duvoid. Urecholine. Myocholine. Mictone. Urocarb. Numerous proprietary names.*
$C_7H_{17}ClN_2O_2$ M 196.677
Hygroscopic cryst. with sl. amine odour. V. sol. H_2O. Mp 218-219° dec. pK_a 5.5-6.5 (H_2O).

▷BR5425000.

U.S.P., 2 322 375, (*1943*); *CA*, **38**, 220 (*synth, pharmacol*)
La Barre, J., *Arch. Int. Pharmacodyn.*, 1957, **109**, 229 (*pharmacol*)
Cerri, O. *et al*, *Pharm. Acta Helv.*, 1959, **34**, 13 (*anal*)
Partington, P. *et al*, *Mol. Pharmacol.*, 1972, **8**, 269 (*nmr*)
Coutls, R.T., *J. Pharm. Sci.*, 1973, **62**, 769 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 805 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4509.

Betiatide, BAN, INN **B-00144**

N-[N-[N-[(*Benzoylthio*)*acetyl*]*glycylglycylglycine,* 9CI. *MP 600*

[103725-47-9]

$PhCOSCH_2CONHCH_2CONHCH_2CONHCH_2COOH$

$C_{15}H_{17}N_3O_6S$ M 367.376

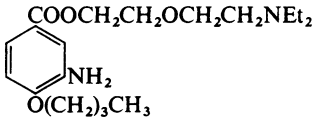
Radiodiagnostic aid to renal scintigraphy. Used as ^{99}Tc complex. Cryst. (MeOH). Mp 195-196°.

Eur. Pat., 173 424, (*1986*); *CA*, **105**, 168145 (*synth, use*)
Fritzberg, A.R. *et al*, *J. Nucl. Med.*, 1986, **27**, 111 (*synth, use*)

Betoxycaine, INN **B-00145**

2-[2-(Diethylamino)ethoxy]ethyl 3-amino-4-butoxybenzoate, 9CI. *Bethoxycaine*

[3818-62-0]



$C_{19}H_{32}N_2O_4$ M 352.473

Local anaesthetic. $Bp_{0.25}$ 195-200°.

▷DG1450000.

B,HCl: [5003-47-4]. *Millicaine. Posicaine.*

Büchi, J. *et al*, *Helv. Chim. Acta*, 1951, **34**, 1002 (*synth, pharmacol*)

Bevantolol, BAN, INN **B-00146**

1-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-3-(3-methylphenoxy)-2-propanol, 9CI. *CI 775*

[59170-23-9]



$C_{20}H_{27}NO_4$ M 345.438

Cardioselective β-adrenergic blocking agent; antiarrhythmic.

B,HCl: [42864-78-8]. *Bevantolol hydrochloride,* USAN. *Vantol.* Mp 135-137°.

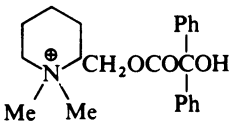
▷UB2709000.

Hoejle, M.L. *et al*, *J. Med. Chem.*, 1975, **18**, 148 (*synth, pharmacol*)
Dukes, I.D. *et al*, *Br. J. Pharmacol.*, 1985, **84**, 365 (*pharmacol*)
Williams, E.M.V. *et al*, *J. Clin. Pharmacol.*, 1987, **27**, 450 (*rev*)
Frishman, W.H. *et al*, *Drugs*, 1988, **35**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12440.

Bevonium(1+) **B-00147**

2-[[(Hydroxydiphenylacetyl)oxy]methyl]-1,1-dimethylpiperidinium, 9CI. *2-Benziloyloxymethyl-1,1-dimethylpiperidinium*

[33371-53-8]



$C_{22}H_{28}NO_3^{\oplus}$ M 354.468 (ion)

Spasmolytic agent.

Methosulphate: [5205-82-3]. *Bevonium methylsulfate,* BAN, JAN. *Bevonium metilsulfate,* INN. *Acabel. Confielle. Dalys. Spalgo. CG 201.*
$C_{23}H_{31}NO_7S$ M 465.560
Cryst. (pet. ether). Mp 134-135°.

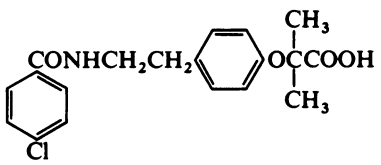
▷TN5950070.

Beckmann, R. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 901 (*synth, pharmacol*)
De Pascale, V. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 35 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 345.

Bezafibrate, BAN, INN, USAN **B-00148**

2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoic acid, 9CI. *Autasynt. Befizal. Bezalip. Cedur. Difaterol. Eulitop. Oralipin. Reducterol. BM 15075. LO 44*

[41859-67-0]



$C_{19}H_{20}ClNO_4$ M 361.824

Hypolipoproteinaemic agent. Cryst. (Me_2CO). Mp 155-156°.

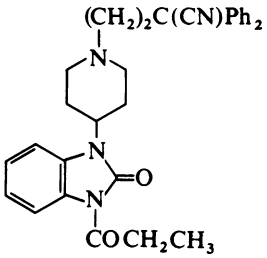
▷UE8755000.

Olsson, A.G. *et al, Atherosclerosis,* 1977, **27**, 279 (*pharmacol*)
Ger. Pat., 2 920 413, (*1979*); *CA,* **92**, 110689p (*synth*)
Koch, H., *Drugs of Today,* 1979, **15**, 215 (*rev*)
Abraham, D.J. *et al, J. Med. Chem.,* 1984, **27**, 967 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12441.

Bezitramide, BAN, INN **B-00149**

1-[1-(3-Cyano-3,3-diphenylpropyl)-4-piperidinyl]-1,3-dihydro-3-(1-oxopropyl)-2H-benzimidazol-2-one, 9CI. *1-[1-(3-Cyano-3,3-diphenylpropyl)-4-piperidyl]-3-propionyl-2-benzimidazolinone,* 8CI. *Burgodin. R 4845*

[15301-48-1]



$C_{31}H_{32}N_4O_2$ M 492.619

Narcotic analgesic; antitussive agent. Cryst. powder. Insol. H_2O, sol. EtOAc, Me_2CO, $CHCl_3$. Mp 145-149°.

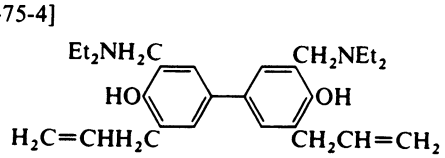
▷DE1820000.

Belg. Pat., 633 495, (*1963*); *CA,* **61**, 1871 (*synth*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.,* 1971, **21**, 862 (*pharmacol*)
Humblet, L. *et al, Acta Crystallogr., Sect. B,* 1977, **33**, 2949 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6208.

Bialamicol, BAN, INN **B-00150**

3,3'-Bis(diethylaminomethyl)-5,5'-di-2-propenyl[1,1'-biphenyl]-4,4'-diol, 9CI. *6,6'-Diallyl-α,α'-bis(diethylamino)-4,4'-bi-o-cresol. Biallylamicol. Camoform. CAM 807. CI 301. CI 871. NSC 6386. PAA 701. SN 6771*

[493-75-4]



$C_{28}H_{40}N_2O_2$ M 436.636

Amoebicide.

B,HCl: [3624-96-2]. *Bialamicol hydrochloride,* USAN. Mp 209-210°.

▷EC1210000.

Burckhalter, J.H. *et al, J. Am. Chem. Soc.,* 1946, **68**, 1894; *J. Med. Chem.,* 1963, **6**, 89 (*synth, pharmacol*)
U.S.P., 2 459 338, (*1949*); *CA,* **43**, 4695
Thompson, P.E. *et al, Antibiot. Chemother.,* 1955, **5**, 433 (*props*)
Dill, W.A. *et al, Antibiot. Chemother.,* 1957, **9**, 99 (*props*)
Elslager, E.F. *et al, J. Med. Chem.,* 1962, **5**, 646 (*props*)
Thompson, W.E. *et al, J. Pharm. Sci.,* 1965, **54**, 1819 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4758.

Bibenzonium(1+) **B-00151**

2-(1,2-Diphenylethoxy)-N,N,N-trimethylethanaminium, 9CI. *Numerous proprietary names*

[59866-76-1]

$PhCH_2CH(Ph)OCH_2CH_2NMe_3^{\oplus}$

$C_{19}H_{26}NO^{\oplus}$ M 284.421 (ion)

(±)-form

Antitussive.

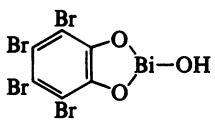
Bromide: [15585-70-3]. *Bibenzonium bromide,* BAN, INN. *Thoragol.*
$C_{19}H_{26}BrNO$ M 364.325
Cryst. (MeOH/EtOAc). Mp 144-146°.

Ger. Pat., 1 050 774, (*1961*); *CA,* **55**, 13371c (*synth, pharmacol*)
Marozzi, E. *et al, Farmaco, Ed. Prat.,* 1976, **31**, 180 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 5434 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5640.

Bibrocathol, INN **B-00152**

4,5,6,7-Tetrabromo-2-hydroxy-1,3,2-benzodioxabismole, 9CI. *Bismucatebrol. Bismuth tetrabromopyrocatechol. Bibrocathin. Tetraform. Noviform*

[6915-57-7]



$C_6HBiBr_4O_3$ M 649.669

Topical antiseptic; used in eye ointments. Cryst. (EtOH aq.). Insol. H_2O, sl. sol. EtOH, Et_2O. Mp 185°.

Hundrup, C.R., *Arch. Pharm. Chemi,* 1947, **54**, 537; *CA,* **42**, 2727 (*synth*)
Frank, R. *et al, Pharm. Acta Helv.,* 1954, **29**, 283 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5267.

Biclodil, INN **B-00153**

[[(2,6-Dichlorophenyl)amino]iminomethyl]urea, 9CI

[85125-49-1]



$C_8H_8Cl_2N_4O$ M 247.083

Antihypertensive (vasodilator) agent. Coccidiostat.

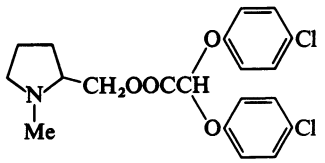
B,HCl: [75564-40-8]. *Biclodil hydrochloride,* USAN. *WHR 1051*B. Cryst. (EtOH/hexane). Mp 206-208°.

Tilley, J.W. *et al*, *Helv. Chim. Acta*, 1980, **63**, 841 (*synth*)
Belg. Pat., 894 172, (*1983*); *CA*, **98**, 185594 (*synth, props*)
U.S.P., 4 446 152, (*1984*); *CA*, **101**, 28322 (*pharmacol*)

Biclofibrate, INN B-00154

Bis(4-chlorophenoxy)acetic acid (1-methyl-2-pyrrolidinyl)methyl ester. 1-Methyl-2-pyrrolidinylmethyl bis(p-chlorophenoxy)acetate, 8CI

[54063-27-3]



$C_{20}H_{21}Cl_2NO_4$ M 410.296

(+)-*form*

B,HCl: [35609-19-9]. Cryst. (heptane/EtOH). Mp 165°. $[\alpha]_D^{25}$ +24.3° (c, 1.03 in EtOH).

(±)-*form*

Hypolipidaemic agent.

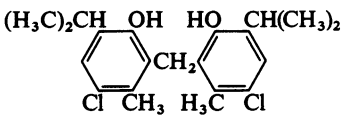
B,HCl: [35556-22-0]. Cryst. (heptane/EtOH). Mp 164°.

Ger. Pat., 2 125 113, (*1971*); *CA*, **76**, 72398c (*synth*)
B.P., 1 337 085, (*1973*); *CA*, **77**, 88288y (*synth, pharmacol*)

Biclotymol, INN B-00155

2,2'-Methylenebis[6-chlorothymol], 8CI. 2,2'-Methylenebis[4-chloro-3-methyl-6-(1-methylethyl)phenol]. 3,3'-Dichloro-6,6'-dihydroxy-5,5'-diisopropyl-2,2'-dimethyldiphenylmethane. Bis(3-chloro-6-hydroxy-5-isopropyl-2-methylphenyl)methane. Hexaspray

[15686-33-6]



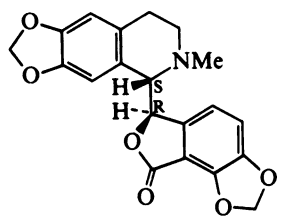
$C_{21}H_{26}Cl_2O_2$ M 381.341

Antiseptic. Cryst. (pet. ether). Mp 128-129°.

U.S.P., 2 597 717, (*1952*); *CA*, **47**, 7542g (*synth*)
Fr. Pat., M4 620, (*1967*); *CA*, **69**, 54286s (*pharmacol*)
Nikolova, M., *Med. Actual.*, 1978, **14**, 349 (*rev*)
Rantsordas, S. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 1198 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16535.

Bicuculline B-00156

6-(5,6,7,8-Tetrahydro-6-methyl-1,3-benzodioxolo[4,5-g]isoquinolin-5-yl)furo[3,4-e]-1,3-benzodioxol-8(6H)-one, 9CI



(+)-*form*
Absolute configuration

$C_{20}H_{17}NO_6$ M 367.357

Diastereoisomeric with Adlumidine. Alkaloid from many *Corydalis* spp. and several *Fumaria* spp. (opt. rotn. of isolates not recorded in some cases). Also isol. from *Adlumia fungosa* (*A. cirrhosa*) (Fumariaceae, Papaveraceae). Strong and extensively studied GABA antagonist. Contradictory data as to activity towards heart, intestinal and uterine muscle (relaxant and tonic actions claimed).

▷DT4550000.

(+)-*form* [485-49-4]

Alkaloid from *Corydalis gigantea*, *C. gortschakovii*, *C. govaniana*, *C. lutea*, *C. marshalliana*, *C. pseudoadunca*, *Fumaria parviflora* (*F. indica*) and *F. vaillantii* (Fumariaceae). Cryst. (EtOH or MeOH). Mp 194-195° (215°, 177°). $[\alpha]_D$ +137.2° ($CHCl_3$), $[\alpha]_D^{20}$ +132.7° (c, 0.049 in $CHCl_3$).

▷DT4550000.

Picrate: Mp 202°.

(−)-*form* [19730-80-4]

Alkaloid from *C. severtzovii* and *F. vaillantii* (Fumariaceae). Cryst. (EtOH or MeOH/Me_2CO). Mp 193-195°. $[\alpha]_D^{33}$ −128° (−110°) (c, 0.27 in $CHCl_3$).

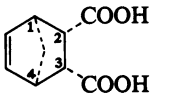
(±)-*form*

Alkaloid from *F. indica* and *F. schleicheri* (Fumariaceae). Mp 216°.

Edwards, O.E. *et al*, *Can. J. Chem.*, 1961, **39**, 1801 (*isol, uv, ir, pmr, bibl*)
Safe, S. *et al*, *Can. J. Chem.*, 1964, **42**, 160 (*pmr, config*)
Israilov, I.A. *et al*, *Khim. Prir. Soedin.*, 1968, 167; 1970, 588; 1974, 411, 476 (*isol*)
Snatzke, G. *et al*, *Tetrahedron*, 1969, **25**, 5059 (*ord*)
Curtis, D.R. *et al*, *Nature* (*London*), 1970, **226**, 1222 (*pharmacol*)
Teitel, S. *et al*, *J. Org. Chem.*, 1972, **37**, 1879 (*synth*)
Gorinsky, C. *et al*, *J. Cryst. Mol. Struct.*, 1973, **3**, 299 (*cryst struct*)
Preininger, V. *et al*, *Collect. Czech. Chem. Commun.*, 1975, **40**, 699 (*isol*)
Mehra, K. *et al*, *Indian J. Chem., Sect. B*, 1976, **14**, 844 (*isol, ir, uv, pmr*)
Kametani, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 390 (*isol*)
Markosyan, S.S. *et al*, *CA*, 1977, **86**, 136375j; 1978, **88**, 133268g (*isol*)
Nalliah, B.L. *et al*, *Can. J. Chem.*, 1977, **55**, 922 (*synth*)
Hussain, S.F. *et al*, *J. Nat. Prod.*, 1981, **44**, 169, 475 (*isol*)

Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid B-00157

5-Norbornene-2,3-dicarboxylic acid, 8CI



(1α,2α,3α,4α)-*form*

$C_9H_{10}O_4$ M 182.176

(*1α,2α,3α,4α*)-*form* [21196-51-0]

exo,exo-*form*

Cryst. + $1H_2O$ (H_2O). Mp 153-154° dec. (anhyd. 161-162°).

Anhydride: 3a,4,7,7a-Tetrahydro-4,7-methanoisobenzofuran-1,3-dione, 9CI.
$C_9H_6O_2$ M 146.145
Cryst. (C_6H_6). Mp 142-143°. Equilibrates with *endo,endo*-form at 190°.

Di-Me ester: Mp 52°.

Imide: [6319-06-8]. *3a,4,7,7a-Tetrahydro-4,7-methano-1H-isoindole-1,3(2H)-dione, 9CI. 5-Norbornene-2,3-dicarboximide, 8CI.* ***Noreximide, INN.*** *K-2154.*
$C_9H_9NO_2$ M 163.176
Rodenticide, psychosedative. Mp 130°.

(*1α,2β,3β,4α*)-*form* [3853-88-1]

endo,endo-*form. Carbic acid*

Cryst. (H_2O). Mp 191-193° dec. (177-178°).

Anhydride: [129-64-6]. *Nadic anhydride. Carbic anhydride.* Orthorhombic cryst. (ligroin). Mp 164-165°. Hydrol. by H_2O. Above Mp equilibrates with *exo*-form.

Di-Me ester: [5826-73-3]. *Dimethyl carbate. Dimalone.* Insect repellent. Cryst. when v. pure, usually a syrup. Mp 38°. $Bp_{12.5}$ 139°.

▷RB8925000.

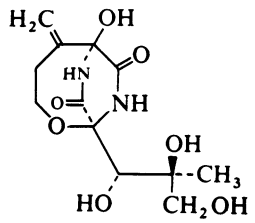
(1α,2α,3β,4α)-(+)-form [1200-88-0]
(+)-trans-*form.* (+)-endo,exo-*form*
Mp 166-168°. $[\alpha]_D^{20}$ +89° (Me_2CO).
Bis(diethylamide): see Endomide, E-00048

(1α,2α,3β,4α)-(±)-form
(±)-trans-*form.* (±)-endo,exo-*form*
Cryst. (H_2O). Mp 190°.
Di-Me ester: Mp 37-39°. Bp_9 132°.
Diamide: Mp 253-256° dec.
Dinitrile: Mp 95.5-96°.
Dichloride: Bp_{11} 114-118°.

Diels, O. *et al*, *Justus Liebigs Ann. Chem.*, 1930, **478**, 137 (*synth*)
Craig, D., *J. Am. Chem. Soc.*, 1951, **73**, 4889 (*synth*)
Rice, L.M. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 3955 (*synth*)
Nagase, T., *Bull. Chem. Soc. Jpn.*, 1964, **37**, 1175 (*synth, imide*)
Fr. Pat., 1 386 735, (*1965*); *CA*, **63**, 3006 (*synth, pharmacol, Noreximide*)
Destro, R. *et al*, *Acta Crystallogr., Sect. B*, 1969, **25**, 2465 (*cryst struct*)
Destro, R. *et al*, *Tetrahedron Lett.*, 1969, 3223 (*cryst struct*)
Malikowska, H. *et al*, *Chem. Anal. (Warsaw)*, 1974, **19**, 561 (*ms*)
Brouwer, H. *et al*, *Org. Magn. Reson.*, 1977, **9**, 360 (*cmr*)
Raber, D.J. *et al*, *J. Org. Chem.*, 1979, **44**, 1149 (*synth*)

Bicyclomycin, 9CI B-00158

8,10-Diaza-6-hydroxy-5-methylene-1-(2-methyl-1,2,3-trihydroxypropyl)-2-oxabicyclo[4.2.2]decane-7,9-dione. ***Bicozamycin, INN.*** *Aizumycin. Bacteron. CGP 3543* E. *WS 4545. Antibiotic 5879. Antibiotic WS 4545*
[38129-37-2]



$C_{12}H_{18}N_2O_7$ M 302.283
Diketopiperazine antibiotic. Isol. from *Streptomyces sapporonensis*, *S. griseoflavus*, and *S. aizunensis*. Growth stimulant for chickens and swine. Used commercially. Rhombic cryst. ($MeOH/Me_2CO$) or monoclinic cryst. (EtOH). Mp 187-189° dec. and 188-191° dec. (dimorph.). $[\alpha]_D^{23}$ +63.5° (c, 1 in MeOH). Weakly basic substance unstable in alkaline soln.

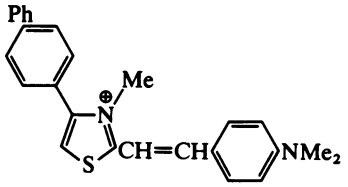
▷DT7470000.

(±)-form [89362-24-3]
Mp 166-170°.

Miyoshi, T. *et al*, *J. Antibiot.*, 1972, **25**, 569 (*isol, props*)
Kamiya, T. *et al*, *J. Antibiot.*, 1972, **25**, 576 (*struct*)
Tokuma, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 18 (*cryst struct*)
Tanaka, N., *CA*, 1976, **85**, 154439s (*rev*)
Maag, M. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 6787.
Tanaka, N., *Antibiotics (N.Y.)*, 1979, **5**, 18 (*rev*)
Nakatsuka, S. *et al*, *Tetrahedron Lett.*, 1981, **22**, 4973; 1983, **24**, 5627 (*synth, pmr, cmr, bibl*)
Nakatsuka, S. *et al*, *Heterocycles*, 1984, **21**, 61 (*synth, rev*)
Sato, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1984, **57**, 1265 (*synth*)
Williams, R.M. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 5748; 1985, **107**, 3253 (*synth, bibl*)
Dawson, I.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 620 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12442.

Bidimazium(1+) B-00159

4-(4-Biphenylyl)-2-[p-(dimethylamino)styryl]-3-methylthiazolium

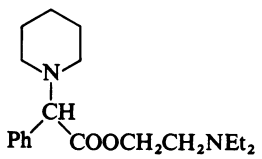


$C_{26}H_{25}N_2S^{\oplus}$ M 397.557 (ion)
Anthelmintic.
Iodide: [21817-73-2]. *Bidimazium iodide, BAN, INN.*
$C_{26}H_{25}IN_2S$ M 524.461
Mp 167°.

Nayak, P.L. *et al*, *Indian J. Chem.*, 1968, **6**, 572 (*synth*)
South African Pat., 68 05 975, (*1969*); *CA*, **72**, 3479 (*synth, pharmacol*)

Bietamiverine, INN B-00160

2-Diethylaminoethyl α-phenyl-1-piperidineacetate, 8CI
[479-81-2]

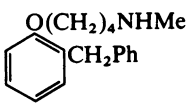


$C_{19}H_{30}N_2O_2$ M 318.458
(±)-form
Spasmolytic agent. Bp_1 65°. n_D^{25} 1.5070.
B,HCl: Mp 187-189°.
B,2HCl: [2691-46-5]. *Novosparol. Spasmaparid. Spasmisolvina. Spasmo-Paparid. Tripaverin. Paparid.* Mp 194-195°.

Blicke, F.F. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3161 (*synth*)
Ciravegna, R. *et al*, *Clin. Ter.*, 1971, **57**, 227 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5229.

Bifemelane, INN B-00161

N-*Methyl-4-[2-(phenylmethyl)phenoxy]-1-butanamine, 9CI. Celeport*
[90293-01-9]



$C_{18}H_{23}NO$ M 269.386
Antidepressant, antiulcerogenic agent.
B,HCl: [62232-46-6]. *E 687. MCI 2016.* Cryst. (Me_2CO). Mp 117-121°.

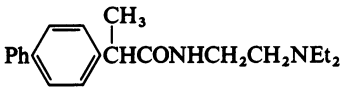
▷EJ4091000.

Kikumoto, R. *et al*, *J. Med. Chem.*, 1981, **24**, 145 (*synth, pharmacol*)
Tobe, A. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1278 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1962.

Bifepramide, INN **B-00162**

N-[2-(*Diethylamino*)*ethyl*]-α-*methyl*[1,1'-*biphenyl*]-4-*acetamide*, 9CI. *Biprofenide*

[70976-76-0]



$C_{21}H_{28}N_2O$ M 324.465

(±)-*form*

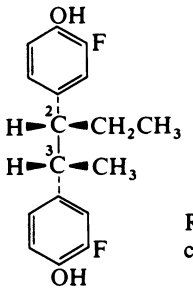
Spasmolytic agent. Mp 67-68°.

Ger. Pat., 2 851 416, (*1979*); *CA*, **91**, 140588 (*synth, pharmacol*)

Bifluranol, BAN, INN **B-00163**

4,4'-(1-*Ethyl*-2-*methyl*-1,2-*ethanediyl*)*bis*(2-*fluorophenol*), 9CI. *Prostarex. BX 341*

[34633-34-6]



Relative configuration

$C_{17}H_{18}F_2O_2$ M 292.325

(2*RS*,3*SR*)-*form*

erythro-(±)-*form*

Oestrogenic agent used for treatment of benign prostatic hypertrophy. Cryst. (toluene). Mp 158-159°.

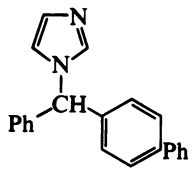
Ger. Pat., 2 110 428, (*1971*); *CA*, **76**, 14093p (*synth, pharmacol*)

Pope, D.J. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 297, 302 (*synth, metab*)

Bifonazole, BAN, INN, USAN **B-00164**

1-([1,1'-*Biphenyl*]-4-*ylphenylmethyl*)-1H-*imidazole*, 9CI. *Bifazole. Mycospor. Mycosporan. Bay h4502*

[60628-96-8]



$C_{22}H_{18}N_2$ M 310.398

(±)-*form*

Topical antimycotic. Cryst. (MeCN). Mp 142°.

Ger. Pat., 2 461 406, (*1976*); *CA*, **85**, 160095t (*synth, pharmacol*)

Schlueter, G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 739 (*tox*)

Rieth, H., Ed., *International Symp. on Bifonazole*, Karger, Basel, Switz., 1984 (*book*)

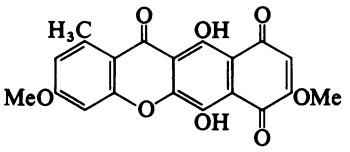
Fromtling, R.A., *Drugs of Today*, 1985, **21**, 401 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12444.

Bikaverin **B-00165**

6,11-*Dihydroxy*-3,8-*dimethoxy*-1-*methyl*-10H-*benzo*[b]*xanthene*-7,10,12-*trione*, 9CI. *Lycopersin. Mycogonin. Passiflorin*

[33390-21-5]



$C_{20}H_{14}O_8$ M 382.326

Quinone antibiotic. Pigment from *Fusarium oxysporum*, *F. solani*, *Mycogone jaapii*, *Gibberella fujikuroi* and *Verticillium agaricinium*. Possesses high vacuolation props. and specific antiprotozoal and antitumour activities. Red needles ($CHCl_3$). Mp 320-325° dec.

▷DM2901000.

Ac: Mp 303-304°.

Di-Ac: Mp 263-265°.

Bright, D. *et al*, *J. Chem. Soc.* (*C*), 1971, 2788 (*cryst struct*)

Terashima, N. *et al*, *Phytochemistry*, 1972, **11**, 2880 (*isol*)

McInnes, A.G. *et al*, *J. Antibiot.*, 1976, **29**, 1050 (*biosynth*)

Kovac, L. *et al*, *J. Antibiot.*, 1978, **31**, 616 (*props*)

Katagiri, N. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2710 (*biosynth*)

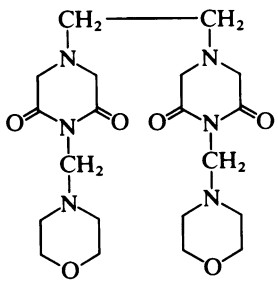
Kjaer, D. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 2815 (*synth, bibl*)

Valadon, L.R.G. *et al*, *Microbios Lett.*, 1983, **24**, 115 (*isol*)

Bimolane **B-00166**

4,4'-[1,2-*Ethanediyl*)*bis*[1-(4-*morpholinylmethyl*)-2,6-*piperazinedione*, 9CI. *AT 1727. NSC 351358*

[74550-97-3]



$C_{20}H_{32}N_6O_6$ M 452.509

Antineoplastic agent.

▷TL6380300.

Ien, Y.-F. *et al*, *CA*, 1980, **93**, 106994 (*synth*)

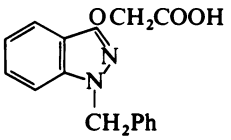
Camerman, N. *et al*, *Science* (*Washington*), 1984, **225**, 1165 (*struct, props*)

Ren, Y.F. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1985, **21**, 493 (*pharmacol*)

Bindazac, BAN **B-00167**

[[*1-(Phenylmethyl)-1*H*-indazol-3-yl]oxy]*acetic acid*, *9CI.* [(*1-Benzyl-1*H*-indazol-3-yl)oxy]*acetic acid*, *8CI.* ***Bendazac,*** *USAN, INN,* ***JAN.*** *Benzum. Hubersil. Ubicron. Versalba. Versus. Zildazac. AF 983*

[20187-55-7]



$C_{16}H_{14}N_2O_3$ M 282.298

Antiinflammatory agent. Used in treatment of cataracts of the eye. Cryst. (EtOH). Insol. H_2O, sol. $CHCl_3$, Me_2CO. Mp 160°.

▷AF5085000.

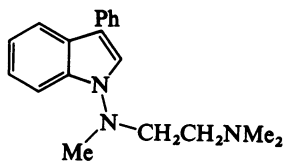
L-Lysine salt (1:1): [81919-14-4]. *Bendalina. Bendazina.* Mp 178-181°.

Silvestrini, B. *et al, Arzneim.-Forsch.*, 1969, **19**, 30; 1970, **20**, 250 (*pharmacol*)
U.S.P., 3 470 194, (*1969*); *CA*, **72**, 100697 (*synth, pharmacol*)
B.P., 2 081 708, (*1982*); *CA*, **96**, 223285 (*synth, pharmacol*)
Cioli, V. *et al, Farmaco, Ed. Prat.*, 1984, **39**, 438 (*pharmacol*)
Catanese, B. *et al, Boll. Chim. Farm.*, 1986, **125**, 298 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2614.

Binedaline, INN **B-00168**

N,N,N′-*Trimethyl*-N′-(*3-phenyl-1*H*-indol-1-yl*)-*1,2-ethanediamine*, *9CI. 1-*[[*2-(Dimethylamino)ethyl*]-*methylamino*]-*3-phenylindole*

[60662-16-0]



$C_{19}H_{23}N_3$ M 293.411

Antidepressant.

▷KH8650000.

B,HCl: [57647-35-5]. *Ixprim.* Mp 188-190°.

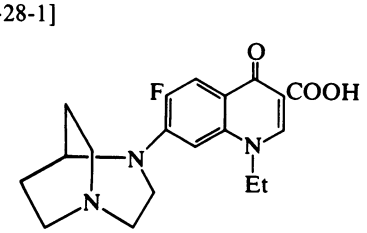
▷NL7440000.

Ger. Pat., 2 512 702, (*1975*); *CA*, **84**, 30886v (*synth*)
Schatz, F. *et al, Arzneim.-Forsch.*, 1980, **30**, 919 (*synth, pharmacol*)
Jahn, U. *et al, Arzneim.-Forsch.*, 1983, **33**, 726 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18843.

Binfloxacin **B-00169**

7-(1,4-Diazabicyclo[3.2.2]non-4-yl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *9CI*

[108437-28-1]



$C_{19}H_{22}FN_3O_3$ M 359.400

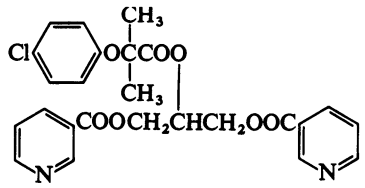
Antibacterial agent. Pale-yellow solid. Mp 223-225°.

Eur. Pat., 215 650, (*1987*); *CA*, **108**, 94417q (*synth, pharmacol*)

Binifibrate, INN **B-00170**

2-[3-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]-1,3-propanediyl 3-pyridinecarboxylate, *9CI. 1,3-Dinicotinin-oyloxy-2-propyl 2-*(p-*chlorophenoxy*)-*2-methylpropion-ate. Biniwas. WAC 104*

[69047-39-8]



$C_{25}H_{23}ClN_2O_7$ M 498.919

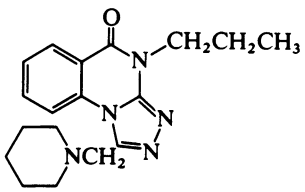
Choleretic agent. Cryst. (2-propanol). Mp 100°.

Spanish Pat., 456 989, (*1978*); *CA*, **90**, 72068j (*synth*)
Figols, C., *Drugs Future*, 1979, **4**, 681 (*rev*)
Bruseghini, L. *et al, Arzneim.-Forsch.*, 1983, **33**, 854 (*pharmacol*)
Ger. Pat., 3 344 891, (*1984*); *CA*, **101**, 177512 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18698.

Binizolast **B-00171**

1-(1-Piperidinylmethyl)-4-propyl[*1,2,4*]*triazolo*[*4,3-*a]-*quinazolin-5*(*4*H)-*one*, *9CI*

[86662-54-6]



$C_{18}H_{23}N_5O$ M 325.413

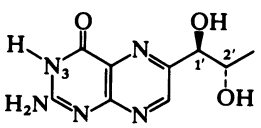
Bronchodilator.

B,HCl: [86662-53-5]. Cryst. (MeOH/Et_2O). Mp 211-214°.

Eur. Pat., 76 199, (*1983*); *CA*, **99**, 194989s (*synth, pharmacol*)

Biopterin **B-00172**

*2-Amino-6-(1,2-dihydroxypropyl)-4(1*H*)-pteridinone*, *9CI. 2-Amino-4-hydroxy-6-(1,2-dihydroxypropyl)pterin*



(1′*R*,2′*S*)-*form*

$C_9H_{11}N_5O_3$ M 237.218

(1′R,2′S)-form [22150-76-1]

L-erythro-*form*

Widely distributed in microorganisms, insects, algae, amphibia and mammals. Found in urine. Growth factor. Pale-yellow cryst. (AcOH aq.). Mp 250-280° dec. $[\alpha]_D^{20}$ −66° (c, 0.2 in 0.1M HCl). pK_{a1} 2.23, pK_{a2} 7.89.

3-Me: [111317-37-4]. ***2-Amino-6-(1,2-dihydroxypropyl)-3-methylpterin-4-one.***

$C_{10}H_{13}N_5O_3$ M 251.244

Isol. from the marine anthozoan *Astroides calycularis.* Mp 229-231°. $[\alpha]_D$ −60° (c, 0.3 in 0.1M HCl).

(1'R,2'R)-form [13019-52-8]
D-threo-*form*
Mp >300°. pK_{a1} 2.20, pK_{a2} 7.92.

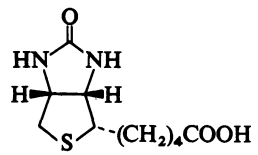
(1'S,2'S)-form [13039-82-2]
L-threo-*form*. ***Ciliapterin***
Isol. from the protozoan *Tetrahymena pyriformis*. Mp >300°. pK_{a1} 2.24, pK_{a2} 7.87.

(1'S,2'R)-form [13039-62-8]
D-erythro-*form*
Mp >300°. pK_{a1} 2.23, pK_{a2} 7.90.

Patterson, E.L. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 3167.
Kidder, G.W. *et al*, *J. Biol. Chem*, 1968, **243**, 826 (*Ciliapterin*)
Kidder, G.W. *et al*, *Methods Enzymol.*, 1971, **18B**, 739 (*Ciliapterin*)
Rembold, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1972, **11**, 1061 (*biochem*)
Sugimoto, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 3767 (*synth*)
Taylor, E.C. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 2301 (*synth*)
Schircks, B. *et al*, *Helv. Chim. Acta*, 1977, **60**, 211; 1985, **68**, 1639 (*synth, pmr, cmr*)
Armarego, W.L.F. *et al*, *Aust. J. Chem.*, 1982, **35**, 785 (*synth*)
Kappel, M. *et al*, *Justus Liebigs Ann. Chem.*, 1984, 1815 (*synth*)
Aiello, A. *et al*, *Experientia*, 1987, **43**, 950 (*deriv*)

Biotin, USAN, INN B-00173

*Hexahydro-2-oxo-1*H*-thieno[3,4-*d*]imidazole-4-pentanoic acid*, *9CI. Coenzyme* R. *Vitamin* H



$C_{10}H_{16}N_2O_3S$ M 244.308

(+)-form [58-85-5]
Occurs in yeast, eggs and liver. Bacterial growth factor and curative factor for "egg white injury". Fine long needles (H_2O). Sol. H_2O. Mp 232-233°. $[\alpha]_D^{20}$ +91° (c, 1 in 0.1N NaOH).
▷XJ9088200.

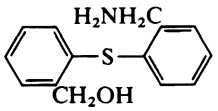
Me ester: [608-16-2]. Cryst. Mp 166.5°. $[\alpha]_D^{15}$ +82° (c, 0.45 in MeOH).

S-*Oxide:* [3376-83-8].
$C_{10}H_{16}N_2O_4S$ M 260.307
Isol. from *Aspergillus niger*. Polymorphic plates (H_2O). Mp 238° part. dec. $[\alpha]_D^{20}$ −39.5° (c, 1.01 in 0.1N NaOH).

Trotter, J. *et al*, *Biochemistry*, 1966, **5**, 713 (*cryst struct, abs config*)
Green, N.M. *et al*, *J. Chem. Soc. (C)*, 1970, 1330 (*cd, ord*)
deTitta, G.T. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 1920 (*cryst struct*)
Marx, M. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 6754 (*synth, bibl*)
Ohrui, H. *et al*, *Agric. Biol. Chem.*, 1978, **42**, 865 (*synth*)
Vasilevskis, J. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 7423 (*synth, bibl*)
Baggiolini, E.G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 6460 (*synth*)
Uskokovic, M.R., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1983, **24**, 41 (*rev*)
Whitney, R.A., *Can. J. Chem.*, 1983, **61**, 1158 (*synth*)
Bonjour, J.P., *Food Sci. Technol.*, 1984, **13**, 403 (*rev*)
Bentley, R., *Trends Biochem. Sci.*, 1985, **10**, 51 (*rev, abs config*)
Dakshinamurti, K. *et al*, Eds., *Ann. N.Y. Acad. Sci.*, 1985, Vol. **447** (*book*)
Lee, H.L. *et al*, *Tetrahedron*, 1987, **43**, 4887 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1715.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7859.

Bipenamol, INN B-00174

2-[[2-(Aminomethyl)phenyl]thio]benzenemethanol, *9CI. 2-Aminomethyl-2'-hydroxymethyldiphenylsulfide*
[79467-22-4]



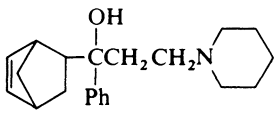
$C_{14}H_{15}NOS$ M 245.339
Antidepressant.

B,HCl: [62220-58-0]. *Bipenamol hydrochloride*, *USAN. BW 647 U.* Mp 188-189°.

U.S.P., 3 997 540, (*1976*); *CA*, **86**, 121005q (*synth*)
Ger. Pat., 2 632 400, (*1977*); *CA*, **86**, 189495e (*synth, pharmacol*)

Biperiden, BAN, INN, JAN, USAN B-00175

α-Bicyclo[2.2.1]hept-5-en-2-yl-α-phenyl-1-piperidinepropanol, *9CI. Akineton. Akinophyl. Dekinet. Ipsatol. Paraden. Tasmolin. KL 373*
[514-65-8]



$C_{21}H_{29}NO$ M 311.466
Two stereoisomers known. Antiparkinsonian, anticholinergic, used to treat nicotine poisoning.
▷TN3675000.

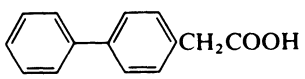
Isomer A
Cryst. Mp 101°.
B,HCl: Cryst. Mp 238°.

Isomer B
Cryst. Mp 111°.
B,HCl: Cryst. Mp 271°.

U.S.P., 2 789 110, (*1957*); *CA*, **51**, 15604 (*synth*)
Haas, H., *Arch. Int. Pharmacodyn. Ther.*, 1960, **128**, 204 (*pharmacol*)
Hanna, C., *Toxicol. Appl. Pharmacol.*, 1960, **2**, 379 (*tox*)
Dorlet, C. *et al*, *J. Pharm. Belg.*, 1976, **31**, 491 (*ms*)
Codding, P.W., *Acta Crystallogr., Sect. B*, 1986, **42**, 632 (*cryst struct*)
Grimaldi, R. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **29**, 735 (*pharmacol*)
Nakashima, E. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 718 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 346, 347, 348.

4-Biphenylacetic acid B-00176

p-*Biphenylylacetic acid.* ***Felbinac***, *BAN, INN, USAN. Napageln. CL 83544. LY 61017*
[5728-52-9]



$C_{14}H_{12}O_2$ M 212.248
Reagent for the titration of alkyl lithiums. Shows strong antiinflammatory activity. Analgesic, antipyretic agent. Cryst. (AcOH). Mp 164-165°.

Me ester:
$C_{15}H_{14}O_2$ M 226.274
Solid. Mp 27.5-28.4°. $Bp_{0.5}$ 140-143°.

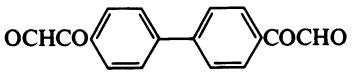
Schwenk, E. *et al*, *J. Org. Chem.*, 1946, **11**, 798 (*synth*)
Meyers, A.I. *et al*, *J. Org. Chem.*, 1974, **39**, 618 (*synth*)

Sloboda, A.E. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 716 (*pharmacol*)
Juaristi, E. *et al*, *J. Org. Chem.*, 1983, **48**, 2603 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2491.

4,4'-Biphenyldiglyoxaldehyde, 8CI B-00177

α,α'-Dioxo[1,1'-biphenyl]-4,4'-diacetaldehyde, 9CI. 4,4'-Bis(dioxoethyl)biphenyl. ***Xenygloxal, INN***

[2673-23-6]



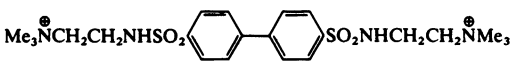
$C_{16}H_{10}O_4$ M 266.253
Antiviral agent. Dihydrate. Mp 150°.

Carvallini, G. *et al*, *J. Med. Chem.*, 1959, **1**, 365 (*pharmacol*)
Schubert, H. *et al*, *J. Prakt. Chem.*, 1963, **22**, 130 (*synth*)
Saikachi, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 2262 (*synth*)
Shevchuk, M.I. *et al*, *Zh. Org. Khim.*, 1976, **12**, 626 (*synth*)

[4,4'-Biphenylenebis(sulfonyliminoethylene)]-bis(trimethylammonium)(2+) B-00178

2,2'-[[1,1'-Biphenyl]-4,4'-diylbis(sulfonylimino)]-bis[N,N,N-trimethylethanaminium, 9CI

[10038-83-2]



$C_{22}H_{36}N_4O_4S_2^{\oplus\oplus}$ M 484.671 (ion)
Muscle relaxant.

Diiodide: [5184-79-2]. *Disufene.*
$C_{22}H_{36}I_2N_4O_4S_2$ M 738.480
Mp 243-244°.

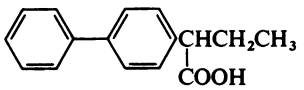
Dibenzenesulfonate: [23131-02-4]. *Benzodisufene. Benzodisuphen.* Mp 279-280°.

Danilov, A.F. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1966, **29**, 582; 1967, **30**, 567 (*pharmacol*)
Khromov-Borisov, N.V. *et al*, *Zh. Org. Khim.*, 1966, **2**, 125; *Khim.-Farm. Zh.*, 1969, **3**, 12 (*synth*)

2-(4-Biphenylyl)butanoic acid B-00179

α-Ethyl-[1,1'-biphenyl]-4-acetic acid, 9CI. α-Ethyl-p-xenylacetic acid. ***Xenbucin,*** *USAN,* ***INN.*** *Arcaterol. Liofene. Liosol. Liposana. Nosterol. Sclerovit. Solvoscleril. MG 1559*

[959-10-4]



$C_{16}H_{16}O_2$ M 240.301
▷ES7400000.

(±)-*form*
Antihypercholesterolaemic and spasmolytic agent; lipid regulating agent. Cryst. (AcOH). Mp 123-125°.

2-(Dimethylamino)ethanol salt (1:1): [1234-71-5]. ***Namoxyrate, INN.*** *Namol xenyrate. W 1760A.*
Analgesic. Mp 96-97.5°.

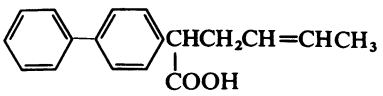
trans-*4-Phenylcyclohexanamine salt (1:1):* [19992-80-4]. ***Butixirate, INN.*** *Cyclexyrate. Flectar. MG 5771.*
Antiinflammatory and analgesic. Mp 224-227°.

Blicke, F.F. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 1725 (*synth*)
Cavallini, G. *et al*, *Farmaco, Ed. Sci.*, 1956, **11**, 167 (*pharmacol, synth*)
Eades, C.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1966, **14**, 225 (*pharmacol*)
Dicarlo, F.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **167**, 206; **170**, 99 (*Namoxyrate*)
Cantarelli, G. *et al*, *Farmaco, Ed. Sci.*, 1969, **24**, 140 (*Butixirate*)
Giordano, C. *et al*, *Tetrahedron Lett.*, 1982, **23**, 1385 (*synth*)
Grovenstein, E. *et al*, *J. Org. Chem.*, 1982, **47**, 2928 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14021.

2-(4-Biphenylyl)-4-hexenoic acid B-00180

α-2-Butenyl[1,1'-biphenyl]-4-acetic acid, 9CI. ***Xenyhexenic acid, INN.*** *Darilin. Desenovis. Desenovister. CV 57533*

[964-82-9]



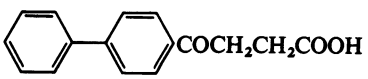
$C_{18}H_{18}O_2$ M 266.339
Lipid metabolism regulator. Antiinflammatory agent. Cryst. (AcOH aq.). Mp 118-119°. $Bp_{0.1}$ 182-183°.

Cavallini, G. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 2564 (*synth, props*)
Mantegazza, P. *et al*, *Farmaco, Ed. Sci.*, 1959, **14**, 304 (*pharmacol*)
Piccinelli, O. *et al*, *Farmaco, Ed. Sci.*, 1961, **16**, 351 (*pharmacol*)
Belg. Pat., 899 823, (*1984*); *CA*, **102**, 95404 (*synth, pharmacol*)

4-(4-Biphenylyl)-4-oxobutanoic acid B-00181

γ-Oxo-[1,1'-Biphenyl]-4-butanoic acid, 9CI. 3-(4-Biphenylylcarbonyl)propionic acid. ***Fenbufen,*** *BAN, USAN, INN,* ***JAN.*** *Lederfen. Bufemid. Cinopal. Apam. Bifene. Cybufen. Napanol. CL 82204*

[36330-85-5]

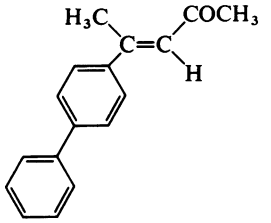


$C_{16}H_{14}O_3$ M 254.285
Antiinflammatory agent. Mp 185-187°. LD_{50} in rats 200-700 mg/kg, p.o.; 265-575 mg/kg, i.p.
▷DV1761000.

Et ester: [1230-54-2]. Mp 100°.

Ger. Pat., 2 147 111, (*1972*); *CA*, **76**, 158368e (*pharmacol*)
Child, R.G. *et al*, *J. Pharm. Sci.*, 1977, **66**, 466 (*synth, pharmacol*)
Van Lear, G.E. *et al*, *J. Pharm. Sci.*, 1978, **67**, 1662 (*hplc*)
Fadnavis, N.W. *et al*, *Indian J. Chem., Sect. B*, 1979, **17**, 518 (*synth*)
Bolte, H.F. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 702, 716, 720 (*pharmacol, tox*)
Kerwar, S.S. *et al*, *Pharmacology*, 1982, **25** (*Suppl. 1*), 12; *Am. J. Med.*, 1983, **75**, 62 (*revs*)
Shen, T.Y., *Discoveries Pharmacol.*, 1984, **2**, 523 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2646.

4-[1,1'-Biphenyl-4-yl]-3-penten-2-one, 9CI **B-00182**
Xenipentone, INN. *RP 48-482*

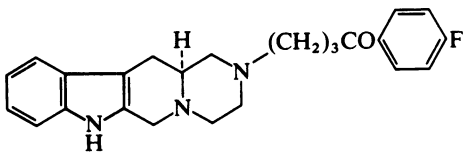


$C_{17}H_{16}O$ M 236.313

(E)-form [55845-78-8]
Antiinflammatory agent. Cryst. (2-propanol). Mp 130-132°.

Ger. Pat., 2 439 294, (*1975*); *CA*, **82**, 170341x (*synth*)
Ger. Pat., 2 362 589, (*1975*); *CA*, **84**, 16964n (*synth, pharmacol*)

Biriperone, INN **B-00183**
1-(4-Fluorophenyl)-4-(3,4,6,7,12,12a-hexahydropyrazino[1',2':1,6]pyrido[3,4-b]indol-2(1H)-yl)-1-butanone, 9CI. *Centbutindole*
[41510-23-0]



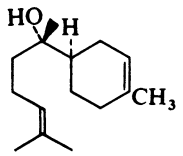
(S)-form

$C_{24}H_{26}FN_3O$ M 391.487

(S)-form
Neuroleptic agent. Cryst. ($CHCl_3$/2-propanol). Mp 187-189°.

Saxena, A.K. *et al*, *J. Med. Chem.*, 1973, **16**, 560 (*synth, pharmacol*)
Seeman, P. *et al*, *Eur. J. Pharmacol.*, 1979, **56**, 247 (*pharmacol*)
Agarwal, S.K. *et al*, *Synthesis*, 1981, 465 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3368.

α-Bisabolol **B-00184**
6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ol, 8CI



$C_{15}H_{26}O$ M 222.370

▷MJ9685000.

(6S,7S)-form [23089-26-1]
Levomenol, INN
Isol. from essential oil of *Matricaria chamomilla* (chamomile oil). Antiinflammatory agent. Oil. d_4^{20} 0.921. Bp_{12} 153°. $[\alpha]_D^{24}$ −68.4° (c, 1.16 in EtOH). n_D^{20} 1.4936.

(6R,7R)-form [515-69-5]
Constit. of essential oil of *Populus balsamifera* and *Atalanta monophylla*. Oil. Bp_{12} 154-156°. $[\alpha]_D^{23}$ +53.8° (c, 2.6 in $CHCl_3$).

▷MJ9685000.

(6S,7R)-form
7-epi-α-Bisabolol
Constit. of Bergamot oil. Oil. $[\alpha]_D^{20}$ −51° (c, 0.1 in $CHCl_3$).

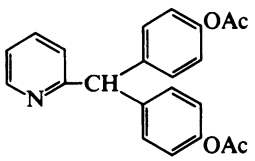
Šorm, F. *et al*, *Collect. Czech. Chem. Commun.*, 1951, **16**, 626 (*isol*)
Sampath, V. *et al*, *Indian J. Chem.*, 1969, **7**, 1060 (*isol*)
Yakovlev, V. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 615 (*pharmacol, tox*)
Kergomard, A. *et al*, *Tetrahedron*, 1977, **33**, 2215 (*synth*)
Schwartz, M.A. *et al*, *J. Org. Chem.*, 1979, **44**, 953 (*synth, abs config*)
Babin, D. *et al*, *Tetrahedron Suppl. 1*, 1981, 1 (*synth, abs config*)
Ohloff, G. *et al*, *Helv. Chim. Acta*, 1986, **69**, 698 (*isol*)

Bis(acetato)tetrakis[gluconato(2−)]-bis[salicylato(2−)]dialuminate **B-00185**
Analgesic, antipyretic.

Na salt: [12214-50-5]. ***Sodium glucaspaldrate,*** BAN, ***INN.***
$C_{42}H_{54}Al_2Na_8O_{38}$ M 1404.747

U.S.P., 3 391 176, (*1968*); *CA*, **70**, 109169h (*synth*)

Bisacodyl, BAN, INN **B-00186**
4,4'-(2-Pyridinylmethylene)bisphenol diacetate, 9CI. *4,4'-(2-Pyridylmethylene)diphenol diacetate,* 8CI. *2-Di(4-acetoxyphenyl)methylpyridine. Acetphenolpicoline. Numerous proprietary names*
[603-50-9]

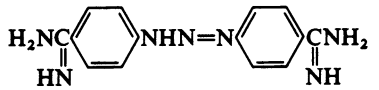


$C_{22}H_{19}NO_4$ M 361.396
Laxative, cathartic. Sol. acids, EtOH, Me_2CO. Mp 138°. Often employed as water-sol. tannic acid complex (Bisacodyl tannex, USAN, Clysodrast).

▷SM8750000.

Schmidt, L. *et al*, *Arzneim.-Forsch.*, 1953, **3**, 19; 1956, **6**, 22 (*pharmacol*)
Schultz, O.E. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1955, **288**, 234 (*synth, pharmacol*)
Rubinstein, K. *et al*, *Acta Chem. Scand.*, 1958, **12**, 1274 (*synth*)
Bruzzese, T. *et al*, *Farmaco, Ed. Sci.*, 1973, **28**, 121 (*props*)
Sund, R.B., *Norv. Pharm. Acta*, 1983, **45**, 125 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7503.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6443.

1,3-Bis(4-amidinophenyl)triazene **B-00187**
4,4'-(1-Triazene-1,3-diyl)bisbenzenecarboximidamide, 9CI. *4,4'-(Diazoamino)dibenzamidine,* 8CI. *4,4'-Diamidinodiazoaminobenzene.* ***Diminazene,*** BAN, ***INN***
[536-71-0]



$C_{14}H_{15}N_7$ M 281.319
Antiprotozoal and antibacterial agent for vet. use.

Bis(N-*acetylglycine*) *salt:* [908-54-3]. *Diminazene aceturate. Azidin. Ganasag. Berenil.* Yellow solid. Sl. sol. EtOH. Mp 217° dec.

▷MB7605000.

Lactate: [59547-60-3]. *Babesin.*

U.S.P., 2 838 485, (*1958*); *CA*, **52**, 16291e (*synth*)
Cain, B.F. *et al*, *J. Med. Chem.*, 1969, **12**, 199 (*pharmacol*)
Bielenberg, G.W. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 958 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4780.

Bis(2-aminoethyl) disulfide B-00188

2,2'-Dithiobisethanamine, 9CI. 2,2'-Dithiobisethylamine, 8CI. Cystamine. Cystineamine. L 1591

[51-85-4]

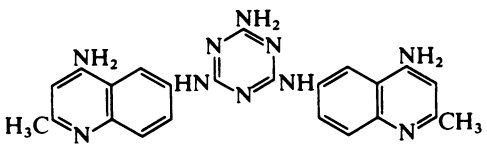
$H_2NCH_2CH_2SSCH_2CH_2NH_2$

$C_4H_{12}N_2S_2$ M 152.272
Radioprotective agent. Viscous oil. Dec. on dist.
▷KR7175000.
B,2HCl: [56-17-7]. Prisms (EtOH). Mp 212°.
▷KR7260000.
Dipicrate: Yellow cryst. Mp 204°.

Johnston, T.P. *et al*, *J. Org. Chem.*, 1961, **26**, 3780 (*synth*)
Wallace, T.J. *et al*, *Chem. Ind.* (*London*), 1966, 1558 (*synth*)
Owen, T.C., *J. Chem. Soc.* (*C*), 1967, 1373 (*synth*)
Castle, R.N. *et al*, *J. Heterocycl. Chem.*, 1968, **5**, 113 (*synth*)
Wilson, G.E. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 1465 (*pmr*)
Foye, W.O. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1247 (*synth, props*)
Vedavathi, B.M. *et al*, *Curr. Sci.*, 1979, **48**, 1028 (*cryst struct*)
Yamaguchi, H. *et al*, *CA*, 1982, **97**, 143983 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 849.

N,N'-Bis(4-amino-2-methyl-6-quinolinyl)-1,3,5-triazin-2,4,6-triamine, 9CI B-00189

N^1,N^2-*Bis(4-amino-2-methyl-6-quinolyl)melamine*



$C_{23}H_{22}N_{10}$ M 438.494
Antibacterial agent. Dec. at ca. 245°.
B,3HCl: [33608-18-3]. *Congasin. Surfen* C.

Ger. Pat., 606 497, (*1934*); *CA*, **29**, 1587 (*synth, props*)
Fussganger, R., *Chem. Zentr.*, 1943, **1**, 2609 (*synth, props*)
Gill, B.S. *et al*, *Indian J. Anim. Sci.*, 1973, **43**, 226 (*props*)

N,N'-Bis(4-amino-2-methyl-6-quinolinyl)-urea, 9CI, 8CI B-00190

1,3-Bis(4-amino-6-quinaldyl)urea. Aminoquinuride, INN. Surfen

[3811-56-1]



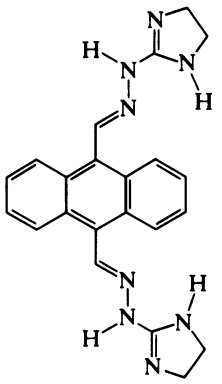
$C_{21}H_{20}N_6O$ M 372.429
Trypanocide. Oral heparin antagonist. Mp 255°.
▷Carcinogenic

Ger. Pat., 591 580, (*1934*); *CA*, **28**, 2366 (*synth*)
Goble, F.C., *J. Pharmacol. Exp. Ther.*, 1950, **98**, 49 (*pharmacol*)
Hunter, D.T. *et al*, *Nature* (*London*), 1961, **191**, 1378 (*tox*)

Bisantrene B-00191

9,10-Anthracenedicarboxaldehyde bis[4,5-dihydro-1H-imidazol-2-yl]hydrazone, 9CI. Orange crush. ADCA

[78186-34-2]



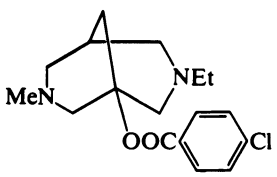
$C_{22}H_{22}N_8$ M 398.469
Antitumour agent in clinical use. Mode of action unknown, prob. an intercalating agent.
B,2HCl: [71439-68-4]. *Bisantrene hydrochloride, USAN. CL 216942. NSC 337766.* Orange cryst. + $\frac{1}{2}H_2O$. Mp 288-289°.
B,HCl, AcOH: [101218-44-4]. Orange cryst. + $3H_2O$.

Murdock, K.C. *et al*, *J. Med. Chem.*, 1982, **25**, 505 (*synth, uv, ms*)
Feigon, J. *et al*, *J. Med. Chem.*, 1984, **27**, 450 (*pharmacol*)
Peng, Y.-M. *et al*, *Cancer Chemother. Pharmacol.*, 1985, **14**, 15 (*metab*)
Bates, R.B. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 186 (*cryst struct*)
Pierpont, C.G. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1085 (*cryst struct, complex*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18846.

Bisaramil B-00192

4-Chlorobenzoic acid 3-ethyl-7-methyl-3,7-diazabicyclo[3.3.1]non-9-yl ester, 9CI. RGH 2957. Yutac

[89194-77-4]



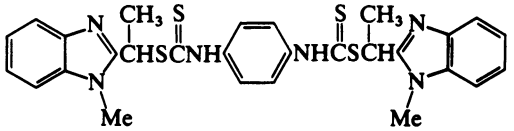
$C_{17}H_{23}ClN_2O_2$ M 322.834
Antiarrhythmic agent. Cryst. (pet. ether). Mp 66-67°. Bp 120°.

Belg. Pat., 893 891, (*1983*); *CA*, **99**, 5654v (*synth, pharmacol*)
Paroczai, M. *et al*, *CA*, 1984, **100**, 132318c (*pharmacol*)
Ronai-Lukacs, S. *et al*, *J. Chromatogr.*, 1985, **338**, 428 (*detn*)

Bisbendazole, INN B-00193

1,4-Phenylenebiscarbamodithioic acid bis[1-(1-methyl-1H-benzimidazol-2-yl)ethyl] ester

[32195-33-8]



$C_{28}H_{28}N_6S_4$ M 576.809

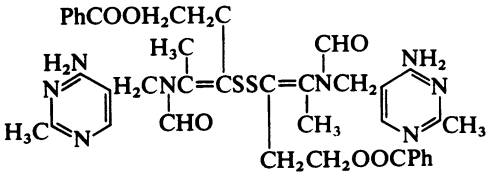
Anthelmintic. Mp 105-110° dec.

Fr. Pat., 2 015 026, (*1970*); *CA*, **75**, 5534k (*synth*)
Rim, H.-J. *et al*, *Koryo Taehakkyo Uikwa Taehak Chapchi*, 1976, **13**, 197; *CA*, **85**, 153932k (*pharmacol*)

Bisbentiamine, INN B-00194

N,N'-[*Dithiobis*[*2-(2-benzoyloxyethyl)-1-methyl-2,1-ethenediyl*]]*bis*[N-[(*4-amino-2-methyl-5-pyrimidinyl*)*methyl*]*formamide*, *9CI*. *O-Benzoylthiamine disulfide*. *Bêprocin*. *Kestoben*. *Beston*. *Neostal*

[2667-89-2]



$C_{38}H_{42}N_8O_6S_2$ M 770.920
Vitamin B_1 source. Analgesic. Prisms (EtOH). Mp 146-147°.

▷LQ2720000.

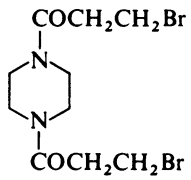
Yurugi, S. *et al*, *Ann. Rep. Takeda Res. Lab.*, 1968, **27**, 25 (*synth*, *pharmacol*)
Inoue, K. *et al*, *Biochem. Med.*, 1973, **8**, 450 (*metab*)

1,4-Bis(3-bromo-1-oxopropyl)piperazine, B-00195

9CI

1,4-Bis(*3-bromopropionyl*)*piperazine*, *8CI*. ***Pipobroman*, *USAN*, *INN*, *JAN***. *Amedel*. *Vercite*. *Vercyte*. *A 8103*. *NSC 25154*

[54-91-1]



$C_{10}H_{16}Br_2N_2O_2$ M 356.057
Antineoplastic agent. Cryst. (H_2O). Mp 106-107°.

▷TK8795000.

Groszkowski, S. *et al*, *J. Med. Chem.*, 1968, **11**, 621 (*synth*, *pharmacol*)
Olansky, L. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 357 (*cryst struct*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1857.

3,12-Bis(carboxymethyl)-6,9-dioxa-3,12-diazatetradecanedioic acid, 9CI B-00196

Ethylenebis(*oxyethylenenitrilo*)*tetraacetic acid*, *8CI*. *Ethylene glycol bis*[*2-*[*bis*(*carboxymethyl*)*amino*]*ethyl*] *ether*. *Ethylene glycol bis*(*2-aminoethyl ether*)-N-*tetraacetic acid*. *EGTA*. ***Egtazic acid*, *INN*, *USAN***

[67-42-5]

$(HOOCCH_2)_2NCH_2CH_2OCH_2CH_2OCH_2CH_2N(CH_2COOH)_2$

$C_{14}H_{24}N_2O_{10}$ M 380.351
Chelating agent, e.g. used in detn. of Ca in presence of Mg. Biochemistry much investigated.

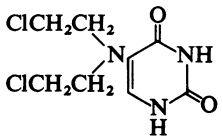
▷LD_{50} 9.43 mmoles/kg (as di-Na salt, rat). AH3760000.

B.P., 695 346, (*1953*); *CA*, **48**, 11486i (*manuf*)
Schmid, R.W. *et al*, *Anal. Chem.*, 1957, **29**, 264 (*use*)
Fr. Pat., 1 381 847, (*1964*); *CA*, **62**, 9014d (*manuf*)
Sudmeier, J.L. *et al*, *Anal. Chem.*, 1964, **36**, 1698 (*pmr*)
Wynn, J.E. *et al*, *Toxicol. Appl. Pharmacol.*, 1970, **16**, 807 (*use*, *tox*)
Freeman, M.A. *et al*, *Inorg. Chem.*, 1982, **21**, 567.
Schauer, C.K. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 981 (*cryst struct*, *complexes*)

5-[Bis(2-chloroethyl)amino]-2,4(1*H*,3*H*)-pyrimidinedione, 9CI B-00197

5-[*Bis*(*2-chloroethyl*)*amino*]*uracil*. ***Uramustine*, *BAN*, *INN***. *Uracil mustard*, *USAN*. *Chlorethaminacil*. *Demethyldopan*. *Nordopan*. *Uracillost*. *Uracilmostazo*. *NSC 34462*. *U 8344*

[66-75-1]



$C_8H_{11}Cl_2N_3O_2$ M 252.100
Antineoplastic agent. Cryst. (MeOH aq.). Mp 206° dec.

▷YQ8925000.

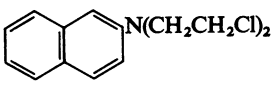
Lyttle, D.A. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 6459 (*synth*)
U.S.P., 2 969 364, (*1961*); *CA*, **55**, 25999 (*synth*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1876.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2778.

N,N-Bis(2-chloroethyl)-2-naphthylamine, B-00198

8CI

N,N-*Bis*(*2-chloroethyl*)-*2-naphthalenamine*, *9CI*. ***Chlornaphazine*, *INN***. *Aleukon*. *Erysan*. *Cloronaftina*. *Naftiklorina*. *CB 1048*. *R 48*

[494-03-1]



$C_{14}H_{15}Cl_2N$ M 268.185
Antineoplastic agent, no longer in widespread use. Platelets (pet. ether). Mp 54-56°. Bp_5 210°.

▷Listed as a carcinogen by EPA. QM2450000.

Picrate: Purple needles (MeOH). Mp 102°.

Ross, W.C.J., *J. Chem. Soc.*, 1949, 183 (*synth*)
Ghielmetti, G., *Farmaco, Ed. Sci.*, 1950, **5**, 275 (*synth*)
IARC Monographs, 1974, **4**, 119 (*tox*)

N,N'-Bis(2-chloroethyl)-*N*-nitrosourea, B-00199

9CI, 8CI

Carmustine*, *BAN*, *INN*, *USAN. *Becenum*. *Carmubris*. *Nitrumon*. *BCNU*. *NSC 409962*. *SK 27702*

[154-93-8]

$ClCH_2CH_2NHCON(NO)CH_2CH_2Cl$

$C_5H_9Cl_2N_3O_2$ M 214.051
Antineoplastic drug. Light-yellow powder. Mp 30-32°. Unstable in soln.

▷YS2625000.

Johnston, T.P. *et al*, *J. Med. Chem.*, 1963, **6**, 669 (*synth*)
Loo, T.L. *et al*, *J. Pharm. Sci.*, 1966, **55**, 492 (*pharmacol*)
Lien, E.J. *et al*, *Spectrosc. Lett.*, 1972, **5**, 293 (*pmr*)

Thompson, G.R. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **21**, 405 (*tox*)
Gombar, C.T. *et al*, *Diss. Abstr. Int. B*, 1980, **40**, 5223, 5686 (*props*)
Lown, J.W. *et al*, *J. Org. Chem.*, 1981, **46**, 5309 (*synth, cmr, N-15 nmr*)
Paoletti, R. *et al*, *Am. J. Cardiol.*, 1983, **52**, 21 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1819.

2,2-Bis(chloromethyl)-1,3-propanediol, 9CI **B-00200**

Loprodil, INN. *Pentaerythritol dichlorohydrin. Clorpropandriol. Diclorpenol. Dispranol. Exifarma. Gentimon. Prontopaz*

[2209-86-1]

$(ClCH_2)_2C(CH_2OH)_2$

$C_5H_{10}Cl_2O_2$ M 173.039

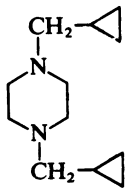
Tranquilliser. Cryst. Sol. H_2O. Mp 79-80° (95°). Bp_{12} 160°.

▷TY3200000.

Fecht, H., *Ber.*, 1907, **40**, 38813 (*synth*)
Rapoport, H., *J. Am. Chem. Soc.*, 1946, **68**, 341 (*synth*)
B.P., 884 441, (*1961*); *CA*, **56**, 12741e (*manuf*)
Geiseler, G. *et al*, *Z. Naturforsch., A*, 1967, **22**, 1511 (*ir*)

1,4-Bis(cyclopropylmethyl)-1,4-piperazine, 9CI **B-00201**

[82909-96-4]



$C_{12}H_{22}N_2$ M 194.319

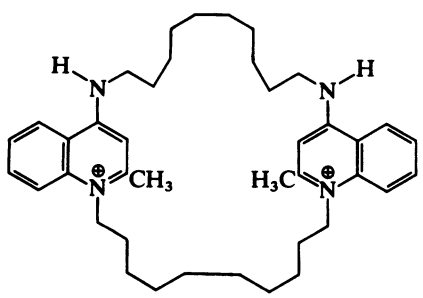
Inotropic agent. Oil. Bp_{18} 137-140°.

B,2HCl: [82909-97-5]. Cryst. (EtOH). Mp 286°.

Eur. Pat., 50 072, (*1982*); *CA*, **97**, 127659 (*synth, pharmacol*)
Dung, N.H. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1093 (*cryst struct*)

Bisdequalinium(2+) **B-00202**

6,7,8,9,10,11,12,13,14,15,22,23,24,25,26,27,28,29,30,31,-32,33-Docasahydro-36,38-dimethyl-5,34:16,21-diethenodibenzo[b,r][*1,5,16,20*]***-tetraazacyclotriacontine-5,16-diium,*** 9CI *N¹,N¹-Decamethylene-N⁴,N⁴-decamethylenebis(4-aminoquinaldinium)*



$C_{40}H_{58}N_4^{\oplus\oplus}$ M 594.925 (ion)

Antibacterial, antifungal agent.

Diacetate: [3785-44-2]. *Bisdequalinium diacetate. Alsol. Dekamesol. Mykosal. Salvisol. Salvizol. Sepacron. Tapazol. Tonsil. NZ 237. R 199.*

$C_{44}H_{66}N_4O_4$ M 715.030

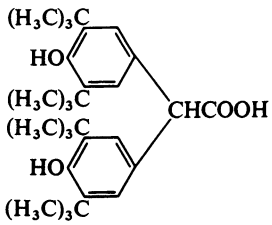
Mp 182-185°.

B.P., 895 090, (*1960*); *CA*, **59**, 2842a
Schaefer, P., *Arzneim.-Forsch.*, 1961, **11**, 314 (*pharmacol*)
Kaufman, A.Y. *et al*, *Oral Surg. Oral Med. Oral Pathol.*, 1978, **46**, 283 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2209.

Bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)-acetic acid, 8CI **B-00203**

α-[3,5-Bis(1,1-dimethylethyl)-4-hydroxyphenyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxybenzeneacetic acid, 9CI. ***Terbuficin, INN***

[15534-92-6]



$C_{30}H_{44}O_4$ M 468.675

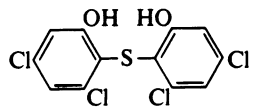
Hypolipidaemic agent. Yellow cryst. (hexane). Mp 211°.

Ger. Pat., 2 228 448, (*1973*); *CA*, **80**, 95532p (*synth, pharmacol*)

Bis(2,4-dichloro-6-hydroxyphenyl)disulfide **B-00204**

2,2'-Thiobis[4,6-dichlorophenol], 9CI, 8CI. ***Bithionol, BAN, INN.*** *Actamer. Anafongine. Bacterostat CS-1. Bisoxyphen. Bitin. Lorothidol. Nobacter (obsol.). Prevenol*

[97-18-7]



$C_{12}H_6Cl_4O_2S$ M 356.050

Bactericide, anthelmintic, algicide, formerly used in soaps and cosmetics. Sol. dil. alkalis. d 1.73. Mp 185.5-186.5°.

▷Mod. toxic, causes photosensitivity and cross-sensitisation, banned in cosmetics by the FDA. SN0525000.

Di-Na salt: [6385-58-6]. *Bithionolate sodium, USAN. Sodium bitionolate, INN. Vancide BN.*

▷SN0700000.

S-*Oxide:* [844-26-8]. ***Bithionoloxide, INN.*** *Bitin* S. *Disto 5. Distobitin. Neodistol. Sulfene (soviet).*

$C_{12}H_6Cl_4O_3S$ M 372.050

Anthelmintic. Needles. Mp 220°.

▷SM8800000.

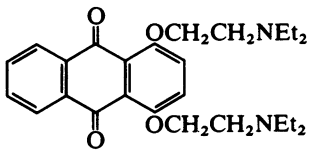
Adams, J.B., *J. Pharm. Pharmacol.*, 1958, **10**, 507, 516 (*synth, pharmacol*)
Takubo, T. *et al*, *Yakugaku Zasshi*, 1958, **78**, 482; *CA*, **52**, 17268g (*synth, deriv*)
U.S.P., 2 849 494, (*1958*); *CA*, **53**, 4212e (*synth, props*)
Anon, *CA*, 1968, **68**, 72211w (*tox*)
Ivanova, T.M. *et al*, *Izv. Akad. Nauk. SSSR, Ser. Khim.*, 1971, 435 (*ir*)
Denisova, L.I. *et al*, *Khim. Farm. Zh.*, 1973, **7**, 33 (*pharmacol, synth*)

Guilhon, J. *et al*, *Bull. Acad. Vet. Fr.*, 1979, **52**, 225 (*rev, deriv*)
Virin, L.I. *et al*, *Zh. Org. Khim.*, 1979, **15**, 991 (*ms*)
Sakamoto, M. *et al*, *J. Toxicol. Sci.*, 1981, **6**, 307 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2210.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 424.

1,4-Bis[2-(diethylamino)ethoxy]-anthraquinone B-00205

1,4-Bis[2-(diethylamino)ethoxy]-9,10-anthracenedione, 9CI

[88476-76-0]



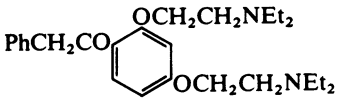
$C_{26}H_{34}N_2O_4$ M 438.566
Anthelmintic. Mp 60-61°.

B,2HCl: [18272-48-5]. *Ro 2-9009.* Mp 235°.
B,2MeI: Mp 246-247°.

Wenner, W., *Justus Liebigs Ann. Chem.*, 1957, **607**, 121 (*synth*)
Grunberg, E. *et al*, *J. Parasitol.*, 1967, **53**, 786 (*pharmacol*)
Sill, A.D. *et al*, *J. Med. Chem.*, 1974, **17**, 965 (*synth, props*)

2',4'-[Bis(2-diethylamino)ethoxy]-2-phenylacetophenone B-00206

2,4-Bis[2-(diethylamino)ethoxy]deoxybenzoin

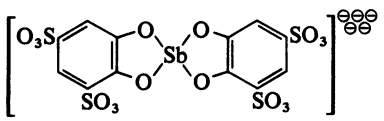


$C_{26}H_{38}N_2O_3$ M 426.598
Anthelmintic. $Bp_{0.2}$ 192-193°.

B,H_2SO_4: Desoine. TH 1183.
Dioxalate: Mp 151°.

B.P., 731 499, (*1955*); *CA*, **50**, 5756 (*synth, props*)
Libermann, D. *et al*, *Bull. Soc. Chim. Fr.*, 1956, 166 (*synth*)

Bis[4,5-dihydroxy-1,8-benzenedisulfonato(4–)-O^4,O^5]antimonate(5–), 8CI B-00207



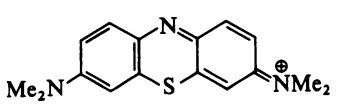
$C_{12}H_4O_{16}S_4Sb^{⊖⊖⊖⊖⊖}$ M 654.144 (ion)
Antischistosomal.

Na salt: [23940-36-5]. *Stibophen. Fantorin. Fuadin. Neoantimosan. Pyrostib. Repodral. Trimon.*
$C_{12}H_{14}Na_5O_{16}S_4Sb$ M 779.172
Aq. soln. gradually turns yellow.

▷High doses impair kidney function

Schmidt, G., *Z. Angew. Chem.*, 1930, **43**, 963 (*synth*)
Asshauer, E., *Arzneim.-Forsch.*, 1966, **16**, 1546 (*tox*)
Laemmler, G. *et al*, *Bull. WHO*, 1971, **44**, 739 (*pharmacol*)

3,7-Bis(dimethylamino)phenothiazin-5-ium(1+), 9CI B-00208



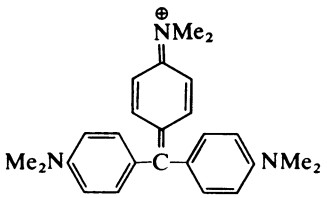
$C_{16}H_{18}N_3S^⊕$ M 284.398 (ion)
Bacteriological stain, redox indicator, antiseptic. Anti-methaemoglobinaemic, cyanide antidote.

Chloride: [61-73-4]. ***Methylene Blue, USAN.*** *Methylthioninium chloride, INN. Swiss Blue. C.I. Basic Blue 9. Other proprietary names.*
$C_{16}H_{18}ClN_3S$ M 319.851
Dark bronze-green cryst. with bronze luster + ca. $3H_2O$ (HCl aq.). Blue soln. in H_2O, λ_{max} 668, 609 nm. Bleached reversibly by Zn/HCl or $Na_2S_2O_4$.

▷SO5600000.

Bernthsen, A., *Justus Liebigs Ann. Chem.*, 1885, **230**, 73, 137; 1888, **251**, 1 (*synth, props*)
Fierz-David, H.E. *et al*, *Fundamental Processes of Dye Chemistry (Interscience, N.Y.)*, 1949, 311 (*rev*)
Serge, G. *et al*, *Angew. Chem.*, 1956, **68**, 486 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1042.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4021.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 476.

N-[4-[Bis[4-(dimethylamino)phenyl]-methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+) B-00209



$C_{25}H_{30}N_3^⊕$ M 372.532 (ion)
Topical antiinfective, anthelmintic, biological stain.

▷BO9000000.

Chloride: [548-62-9]. *Gentian violet. CI Basic violet 3. Methylrosaniline. Crystal violet.*
$C_{25}H_{30}ClN_3$ M 407.985
Dark-green powder.

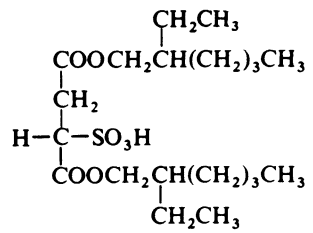
▷BO9000000.

Adams, E., *J. Pharm. Pharmacol.*, 1967, **19**, 821 (*pharmacol*)
Barker, C.C. *et al*, *J. Chem. Soc. (B)*, 1969, 1068 (*uv*)
Nouchi, G. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. B*, 1969, **268**, 546 (*ir*)
Hodge, H.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **22**, 1 (*tox*)
Merck Index, 9th Ed., No. 4227.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2232.

Bis(2-ethylhexyl)sulfosuccinic acid B-00210

Sulfobutanedioic acid 1,4-bis(2-ethylhexyl) ester, 9CI. Sulfosuccinic acid 1,4-bis(2-ethylhexyl) ester, 8CI

[10041-19-7]



$C_{20}H_{38}O_7S$ M 422.576
Salts used as wetting agents and cathartics.

Na salt: [577-11-7]. *Docusate sodium, BAN, INN. Dioctyl sodium sulfosuccinate. Dulcodos. Dyoctol. Klyx. Milkinol. Molcer. Normax. Soliwax. Waxsol. Willoderm. Many other proprietary names.* Nonlaxative faecal softener, used as Ca and K salts (Docusate calcium, USAN, Docusate potassium, USAN). Waxy solid. Sol. H_2O, org. solvs. Component of Migraleve.

▷WN0525000.

Averbakh, K.O. *et al, Zh. Prikl. Khim.*, 1968, **41**, 2307 (*synth*)
Koenig, H., *Fresenius' Z. Anal. Chem.*, 1970, **251**, 225 (*nmr*)
Ahuja, S. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 199; 1983, **12**, 713 (*revs*)
Nelan, A.A.M. *et al, Bull. Soc. Chim. Belg.*, 1979, **8**, 31 (*synth, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6012 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6018, 6019, 6020.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1017.

2,2-Bis(ethylsulfonyl)butane B-00211

Sulfonethylmethane, INN. Trional. Methylsulfonal. Dithan. Trionalone. Ethylsulfonal. Metilosulfonal

[76-20-0]

$H_3CCH_2C(CH_3)(SO_2Et)_2$

$C_8H_{18}O_4S_2$ M 242.348

Addictive. Hypnotic. Lustrous leaflet, bitter-tasting. Mp 74-76°.

▷Produces liver damage. EJ5250000.

Fromm, *Justus Liebigs Ann. Chem.*, 1889, **253**, 135 (*synth*)
Oelkers, H.A., *Arch. Exp. Path. Pharmakol.*, 1940, **196**, 493 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4051.

2,2-Bis(ethylsulfonyl)propane, 9CI B-00212

Sulfonmethane. Sulfonal. Sulfonalone. Sulphonal

[115-24-2]

$(H_3C)_2C(SO_2Et)_2$

$C_7H_{16}O_4S$ M 196.261

Hypnotic. Cryst. Mp 124-126°. Bp 300°.

▷Addictive; toxic. TX3850000.

Baumann, E., *Ber.*, 1885, **18**, 883 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4070.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 90.

3,3-Bis(ethylthio)pentane, 9CI B-00213

3-Pentanone diethyl mercaptal

[63882-90-6]

$(H_3CCH_2)_2C(SEt)_2$

$C_9H_{20}S_2$ M 192.377

Oil.

S-*Tetraoxide:* [2217-59-6]. *3,3-Bis(ethylsulfonyl)-pentane, 9CI. Tetronal. Diethylsulfonal. Ethylsulphonal.*

$C_9H_{20}O_4S_2$ M 256.375

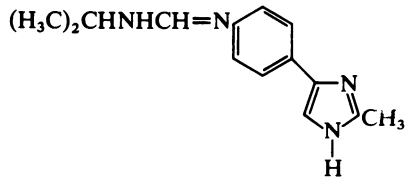
CNS depressant, hypnotic. Mp 85°.

U.S.P., 2 870 215, (*1959*); *CA*, **53**, 11416 (*synth*)
Evans, D.A. *et al, J. Am. Chem. Soc.*, 1977, **99**, 5009 (*synth*)

Bisfentidine, INN B-00214

N-(*1-Methylethyl*)-N'-[*4-*(*2-methyl-1H-imidazol-4-yl*)*phenyl*]*methanimidamide, 9CI*

[96153-56-9]



$C_{14}H_{18}N_4$ M 242.323

Antihistamine, antisecretory agent.

Maleate (1:2): [96153-57-0]. Cryst. (EtOH). Mp 192-193° dec.

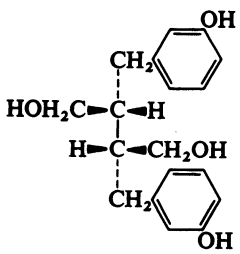
Eur. Pat., 131 973, (*1985*); *CA*, **102**, 185082 (*synth, pharmacol*)

2,3-Bis(3-hydroxybenzyl)-1,4-butanediol B-00215

2,3-Bis[(*3-hydroxyphenyl*)*methyl*]*-1,4-butanediol, 9CI.*

Enterodiol

[80226-00-2]



$C_{18}H_{22}O_4$ M 302.369

Compd. of lignan-type isol. from mammalian urine.

(2RS,3RS)-form [76543-16-3]

(±)-threo-*form*

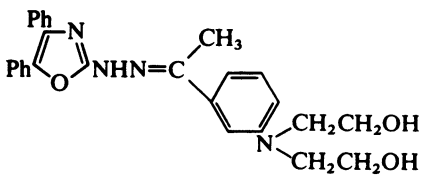
Mp 148-150°.

Setchell, K.D.R. *et al, Nature (London)*, 1980, **287**, 740 (*isol*)
Cooley, G. *et al, Tetrahedron Lett.*, 1981, 349 (*synth*)
Setchell, K.D.R. *et al, Biochem. J.*, 1981, **197**, 447 (*isol, spectra*)
Axelson, M. *et al, Nature (London)*, 1982, **298**, 659 (*isol*)
Borriello, S.P. *et al, J. Appl. Bacteriol.*, 1985, **58**, 37 (*metab*)
Kirk, D.N. *et al, J. Chem. Soc., Perkin Trans. 1*, 1985, 35 (*synth*)
Belletire, J.L. *et al, Tetrahedron Lett.*, 1986, **27**, 127 (*synth*)

3'-[Bis(2-hydroxyethyl)amino]acetophenone (4,5-diphenyl-2-oxazolyl)hydrazone B-00216

1-[*3-*[*Bis*(*2-hydroxyethyl*)*amino*]*phenyl*]*ethanone* (*4,5-diphenyl-2-oxazolyl*)*hydrazone, 9CI. IMET 98/69. ZIMET 98/69*

[34744-36-0]



$C_{27}H_{28}N_4O_3$ M 456.543

Antiviral agent. Pale-yellow cryst. (EtOH). Mp 184-186°.

B.P., 1 254 649, (*1971*); *CA*, **76**, 34234 (*synth, pharmacol*)
Veckenstedt, A. *et al*, *Z. Allg. Mikrobiol.*, 1977, **17**, 69 (*pharmacol*)
Veckenstedt, A. *et al*, *Acta Virol.* (*Engl. Ed.*), 1979, **23**, 500 (*pharmacol*)

1,10-Bis(2-hydroxyethylthio)decane B-00217

2,2'-[1,10-Decanediylbis(thio)]bisethanol, *9CI*. *2,2'-(Decamethylenedithio)diethanol*, *8CI*. ***Tiadenol, INN***. *Fonlipol. LL 1558*

[6964-20-1]

$HOCH_2CH_2S(CH_2)_{10}SCH_2CH_2OH$

$C_{14}H_{30}O_2S_2$ M 294.510

Lipid regulating agent; hypocholesterolaemic agent. Cryst. (MeOH aq.). Mp 69.5°. Numerous tradenames.

▷KK3547000.

Bis[2-(4-chlorophenoxy)-2-methylpropanoyl]: [55837-28-0]. ***Tiafibrate, INN***. *Tiadenol clofibrate. HL 74/2.*
$C_{34}H_{48}Cl_2O_6S_2$ M 687.776
Lipid regulating agent. Light-yellow oil. $Bp_{0.5}$ 224-226°.

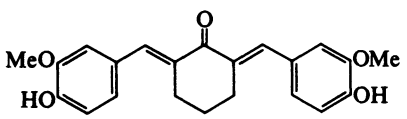
Dinicotinoyl: [41891-94-5]. ***Tiadenol nicotinate***.
$C_{26}H_{36}N_2O_4S_2$ M 504.701
Lipid regulating agent. Cryst. (MeOH). Mp 72-73°.

Ger. Pat., 2 038 836, (*1971*); *CA*, **75**, 35528d (*synth, pharmacol*)
Assous, E. *et al*, *Therapie*, 1972, **27**, 395 (*tox, pharmacol*)
Fr. Pat., 2 146 138, (*1973*); *CA*, **79**, 41919 (*Nicotinate*)
B.P., 1 522 577, (*1978*); *CA*, **90**, 203705 (*Tiafibrate*)
Saba, D. *et al*, *Curr. Ther. Res.*, 1980, **27**, 677 (*pharmacol*)
Gaion, R.M. *et al*, *Drugs Exp. Clin. Res.*, 1985, **11**, 407 (*pharmacol*)
Facino, R.M. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 722 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3376 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1360.

2,6-Bis(4-hydroxy-3-methoxybenzylidene)-cyclohexanone B-00218

2,6-Bis[(4-hydroxy-3-methoxyphenyl)methylene]-cyclohexanone, *9CI*. *2,6-Divanillylidenecyclohexanone*, *8CI*. ***Cyclovalone, INN***. *Beveno. Curcumoid. Cycvalon. Cyqualon. Divanil. Divanon. Flavugal. Vanidene. Vanilone*

[579-23-7]



$C_{22}H_{22}O_5$ M 366.413

Choleretic and cholagogic agent. Mp 178-179°.

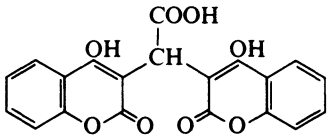
▷GW2200000.

Vorländer, D. *et al*, *Chem. Ber.*, 1929, **62**, 534 (*synth*)
Meciani, L. *et al*, *Minerva Med.*, 1964, **55**, 3201 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3713.

Bis[4-hydroxy-2-oxo-2*H*-1-benzopyran-3-yl]acetic acid, 9CI B-00219

Bis(4-hydroxy-3-coumarinyl)acetic acid. Carboxymethylenebis-4-hydroxycoumarin. Pelentanic acid

[567-83-9]



$C_{20}H_{12}O_8$ M 380.310

Cryst. (MeOH). Mp 244-245°.

Me ester:
$C_{21}H_{14}O_8$ M 394.337
Needles (AcOH). Mp 202-204°.

Et ester: [548-00-5]. ***Ethyl biscoumacetate, BAN, INN***. *Dicumacyl. Ethyl dicoumarol. Tromexan. Numerous proprietary names.*
$C_{22}H_{16}O_8$ M 408.364
Powerful anticoagulant. Amorph. or cryst. (Me_2CO). Mp 151° (amorph.), 173° (cryst.).

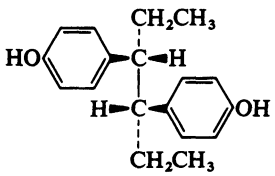
▷AF5775000.

Stahmann, M.A. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 2285 (*ester*)
Sullivan, W.R. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 2288 (*synth*)
Fucik, K. *et al*, *Bull. Soc. Chim. Fr.*, 1949, 99 (*synth*)
Czech. Pat., 162 809, (*1976*); *CA*, **86**, 43560 (*synth*)
Kirkiacharian, B.S. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1977, **284**, 697 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6425.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4813.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 485.

3,4-Bis(4-hydroxyphenyl)hexane B-00220

4,4'-(1,2-Diethyl-1,2-ethanediyl)bisphenol, *9CI*. *4,4'-(1,2-Diethylethylene)diphenol*, *8CI*. *4,4'-Dihydroxy-α,β-diethyldiphenylethane. Dihydrodiethylstilboestrol.* ***Hexestrol, INN***. *Hexanestrol. Hexoestrol. Synoestrol. NSC 9894. Numerous proprietary names*

[5635-50-7]



(3R,4R)-form Absolute configuration

$C_{18}H_{22}O_2$ M 270.371

(3R,4R)-form [26614-21-1]
More potent than (±)-form. Mp 80°. $[\alpha]_D^{17}$ +17.6° (5% EtOH).

(3S,4S)-form [26614-22-2]
Less potent than the (±)-form.

(3RS,4RS)-form [5776-72-7]
(±)-form
Has very low oestrogenic potency. Cryst. (C_6H_6/pet. ether). Mp 128°.

▷SL0560820.

Di-Me ether:
$C_{20}H_{26}O_2$ M 298.424
Mp 56°.

Dipropanoyl: [4825-53-0]. ***Hexestrol dipropionate***. *Hexanoestrol. Other proprietary names.*
$C_{24}H_{30}O_4$ M 382.499

Oestrogen. Cryst. (pet. ether). Mp 127-128°.

Di-octanoyl: [20305-51-5]. ***Hexestrol dicaprylate***. *Taston.* Oestrogen.

Bis[4-[bis(2-chloroethyl)amino]phenylacetate]: [19659-38-2]. ***Phenestrol***.
$C_{42}H_{48}Cl_4N_2O_4$ M 786.664
Antineoplastic agent. Cryst. (Me_2CO). Mp 144-146°.

Bis(2-diethylaminoethyl)ether: [2691-45-4]. *Coralgil. Diethyphen. Other proprietary names.* Coronary vasodilator. Causes phospholipidosis of liver and lung cells and foam cell syndrome. Use discontinued since 1970.

Bis(2-diethylaminoethyl)ether, B,2HCl: [69-14-7]. Needles (EtOH/EtOAc). Mp 226-227°.

(3RS,4SR)-form [84-16-2]
meso-*form*
Highly active nonsteroidal oestrogen with potency similar to that of Oestrone and Oestradiol. Needles (C_6H_6). Mp 185-186°.

▷SL0560850.

Di-Ac: [4547-76-6]. ***Hexestrol diacetate***. *Retalon-Lingual. Robal. Sintestrol. Sintofolin.*
$C_{22}H_{26}O_4$ M 354.445
Oestrogen. Mp 139°.

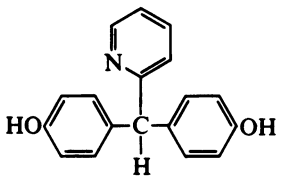
Di-Me ether:
$C_{20}H_{26}O_2$ M 298.424
Plates (Me_2CO/MeOH). Mp 146°.

Diphosphate: [24809-02-7]. ***Hexestrol diphosphate***. *Cytostesin. Pharmestrin. Retalon aquosum. DA 268. NSC 35752.*
$C_{18}H_{24}O_8P_2$ M 430.330
Antineoplastic and oestrogen. Solid.

Carlisle, C.H. *et al, J. Chem. Soc.*, 1941, 6 (*cryst struct*)
Solmseen, U.V., *Chem. Rev.*, 1945, **37**, 481 (*rev*)
B.P., 593 480, (*1947*); *CA*, **42**, 2281 (*Diphosphate*)
Lowe, J.L. *et al, J. Chem. Soc.*, 1951, 3286 (*Coralgil*)
Burckhalter, J.H. *et al, J. Am. Chem. Soc.*, 1952, **74**, 187 (*synth*)
Doerner, J. *et al, Arzneim.-Forsch.*, 1960, **10**, 631 (*Coralgil*)
Hughes, G.M.K. *et al, J. Med. Chem.*, 1964, **7**, 511 (*Coralgil*)
Larionov, L.F. *et al, Vop. Onkol.*, 1968, **14**, 61; *CA*, **70**, 34726 (*Phenestrol*)
Collins, D.J. *et al, Aust. J. Chem.*, 1970, **23**, 1605 (*resoln*)
Weeks, C.M. *et al, Acta Crystallogr., Sect. B*, 1973, **29**, 1729 (*cryst struct*)
Collins, D.J. *et al, Aust. J. Chem.*, 1974, **27**, 1753 (*abs config*)
Feil, V.J. *et al, Science (Washington)*, 1977, **198**, 510 (*synth*)
Engel, L.L. *et al, Biomed. Mass Spectrom.*, 1978, **5**, 582 (*ms*)
Crawley, G.C., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1980, **12**, 658 (*rev, pharmacol, tox*)
Aboul-Enein, H.Y. *et al, Anal. Profiles Drug Subst.*, 1982, **11**, 347 (*rev*)
Oda, T. *et al, Chem. Pharm. Bull.*, 1988, **36**, 1534 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4874, 7120, 7893 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9056.

Bis(4-hydroxyphenyl)(2-pyridyl)methane B-00221

4,4'-(2-Pyridinylmethylene)bisphenol, 9CI. 4,4'-(Pyridylmethylene)diphenol, 8CI



$C_{18}H_{15}NO_2$ M 277.322
Parent substance of several substances used as laxatives. Mp 248-250°.

Bis(hydrogen sulfate) ester: [10040-34-3].
$C_{18}H_{15}NO_8S_2$ M 437.438
Laxative, cathartic.

Bis(hydrogen sulphate) ester, di-Na salt: [10040-45-6]. *Sodium picosulfate, INN. Sodium picosulphate, BAN. Laxoberal. Picosulfol. Numerous tradenames.* V. sol. H_2O, sl. sol. EtOH. Mp 272-275° dec.

▷SM8720000.

Bis(dihydrogen phosphate) ester: [36175-06-1]. *Picofosforic acid.*
$C_{18}H_{17}NO_8P_2$ M 437.282
Laxative. Mp >250° grad. dec. Used as tetra-Na salt (Sodium picofosfate, INN, JAN).

Pala, G. *et al, Helv. Chim. Acta*, 1968, **51**, 1164 (*synth, ir, pmr, deriv*)
Pala, G. *et al, Tetrahedron*, 1968, **24**, 619 (*synth, pmr*)
Bruzzese, T. *et al, Arzneim.-Forsch.*, 1972, **22**, 531 (*synth, pharmacol, deriv*)
Moeller, C.P., *Dtsch. Apoth.-Ztg*, 1976, **116**, 1491 (*rev, pharmacol, deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4678 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7533.

N,N'-Bis(4-hydroxyphenyl)thiourea, 9CI B-00222

4,4'-Dihydroxythiocarbanilide, 8CI. 1,3-Di-p-hydroxyphenylthiourea

[1473-33-2]



$C_{13}H_{12}N_2O_2S$ M 260.310
Leaflets (H_2O). Mp 224-225°.

Di-Me ether: [1227-45-8]. N,N'-*Bis(4-methoxyphenyl)-thiourea.*
$C_{15}H_{16}N_2O_2S$ M 288.364
Mp 188-189°.

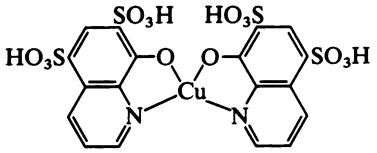
▷YS2750000.

Di-Et ether: [1234-30-6]. N,N'-*Bis(4-ethoxyphenyl)-thiourea, 9CI.* ***Etocarlide, INN***. *Aethoksid. Athoxyd. Aethoxydum. Ethoxyd. Etoksid.*
$C_{17}H_{20}N_2O_2S$ M 316.417
Tuberculostatic. Mp 170-171°.

▷FE0300000.

Dyson, G.M. *et al, J. Chem. Soc.*, 1924, **125**, 1702 (*synth*)
Bersch, H.W. *et al, Arzneim.-Forsch.*, 1955, **5**, 335 (*pharmacol*)
Lieber, E. *et al, Can. J. Chem.*, 1957, **35**, 832 (*synth*)
Pohloudek-Fabini, R. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1965, **298**, 51 (*synth*)
Ritchie, R.K. *et al, Spectrochim. Acta, Part A*, 1970, **26**, 9 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1571.

Bis(8-hydroxy-5,7-quinolinedisulfonato(3−)-N^1,O^8-cuprate, 9CI B-00223



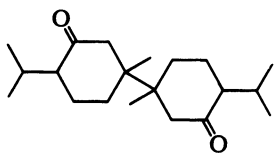
$C_{18}H_{12}CuN_2O_{14}S_4$ M 672.084

Cpd. with Diethylamine (1:4): [13007-93-7]. ***Cuproxoline, BAN, INN.*** *Cujec. Cuprimyl. Dicuprene.*
$C_{22}H_{33}CuN_3O_{14}S_4$ M 755.300
Used in treatment of copper deficiency. Antirheumatic.
▷GL6483000.

Suttle, N.F., *Vet. Rec.*, 1981, **109**, 304 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15331.

1,1'-Bisisomenthone B-00224

1,1'-Dimethyl-4,4'-bis(1-methylethyl)[1,1'-bicyclohexyl]-3,3'-dione, 9CI. Antiasthmone
[15840-87-6]



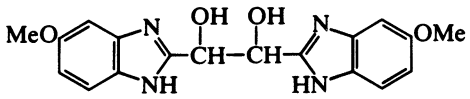
$C_{20}H_{34}O_2$ M 306.487
Antiasthmatic.

meso-form [77769-22-3]
Mp 166-168°.

Morizur, J.P. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 1422 (*synth*)
Huang, T.-J. *et al*, *CA*, 1979, **91**, 20729; 1981, **95**, 43393 (*synth, pharmacol, struct*)

1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol B-00225

[16656-27-2]



$C_{18}H_{18}N_4O_4$ M 354.365

(S,S)-form [34435-09-1]
Abbott 36683. A 37536
Antiviral agent. Mp 221-223°.

Akihama, S. *et al*, *Nature (London)*, 1968, **217**, 562 (*synth, pharmacol*)
Roderick, W.R. *et al*, *J. Med. Chem.*, 1972, **15**, 655 (*synth, pharmacol*)
Schleicher, J.B. *et al*, *Appl. Microbiol.*, 1972, **23**, 113, 117 (*pharmacol*)

N,N'-Bis(3-methoxybenzyl)urea B-00226

N,N'-*Bis*[(*3-methoxyphenyl*)*methyl*]*urea, 9CI. Salvadourea*
[57498-59-6]



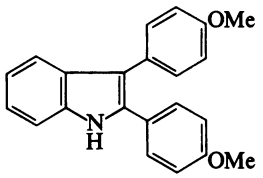
$C_{17}H_{20}N_2O_3$ M 300.357

Constit. of the roots of *Salvadora persica*. May prevent dental caries. Rosettes (MeOH/hexane). Mp 114°.

Ray, A.B. *et al*, *Chim. Ind. (London)*, 1975, 517 (*uv, synth*)
Ezmirly, S.T. *et al*, *Planta Med.*, 1979, **35**, 191; *CA*, **90**, 209995.

2,3-Bis(4-methoxyphenyl)-1*H*-indole, 9CI B-00227

Indoxole, USAN, INN. *U 22020*
[5034-76-4]

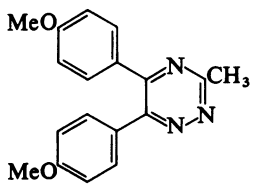


$C_{22}H_{19}NO_2$ M 329.398
Antinflammatory, antipyretic. Cryst. (EtOH). Mp 150-151°.

Fr. Pat., 1 505 197, (*1967*); *CA*, **70**, 47296m (*synth*)
Glenn, E.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **155**, 157 (*pharmacol*)
Moersdorf, K. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 2105 (*pharmacol*)
Klug, R.D. *et al*, *Ophthalmic Res.*, 1981, **13**, 122 (*pharmacol*)

5,6-Bis(4-methoxyphenyl)-3-methyl-1,2,4-triazine, 9CI B-00228

Anitrazafen, USAN, INN. *LY 122512*
[63119-27-7]

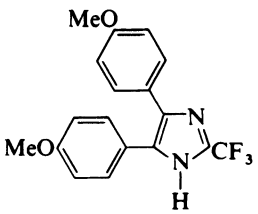


$C_{18}H_{17}N_3O_2$ M 307.351
Topical antiinflammatory agent. Mp 109-113°.

U.S.P., 4 190 725, (*1980*); *CA*, **93**, 8220 (*synth, pharmacol*)
Sullivan, H.R. *et al*, *Xenobiotica*, 1981, **11**, 119 (*metab*)

4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, 9CI B-00229

Flumizole, USAN, INN. *CP 22665*
[36740-73-5]

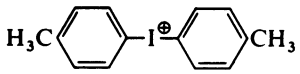


$C_{18}H_{15}F_3N_2O_2$ M 348.324
Antiinflammatory drug. Platelet aggregation inhibitor. Mp 211° dec.

Lombardino, J.G. *et al*, *J. Med. Chem.*, 1974, **17**, 1182 (*synth, pharmacol*)
Wiseman, E.H. *et al*, *J. Pharm. Sci.*, 1975, **64**, 1469 (*pharmacol*)
Kangasaho, M., *Acta Pharmacol. Toxicol.*, 1983, **53**, 130 (*pharmacol*)

Bis(4-methylphenyl)iodonium(1+), 9CI B-00230

Di-p-tolyliodonium, 8CI. Toliodium



$C_{14}H_{14}I^{\oplus}$ M 309.169 (ion)
Animal food additive.

Chloride: [19028-28-5]. *Toliodium chloride, USAN. SKF 15601A.*
$C_{14}H_{14}ClI$ M 344.622

Bromide: [6293-68-1].
$C_{14}H_{14}BrI$ M 389.073
Short heavy needles. Mp 205-207° dec.

▷NN6680000.

Iodide: [6293-70-5].
$C_{14}H_{14}I_2$ M 436.074
Mp 172-174° dec.

Beringer, F.M. *et al, J. Am. Chem. Soc.*, 1953, **75**, 2705 (*synth*)
Arshad, M. *et al, Pak. J. Sci. Ind. Res.*, 1969, **12**, 12 (*uv, ir*)
Baumgarten, R.L. *et al, J. Chem. Eng. Data*, 1976, **21**, 243 (*cmr*)
Ger. Pat., 2 548 694, (*1976*); *CA*, **85**, 45203q (*use*)

N,N'-Bis(4-nitrophenyl)urea, 9CI B-00231

4,4'-Dinitrocarbanilide

[587-90-6]



$C_{13}H_{10}N_4O_5$ M 302.246
Yellow needles (EtOH). Mp 312° dec. (310°).

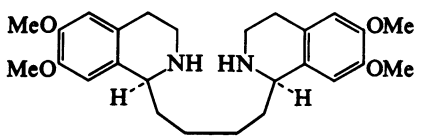
Compd. wtih 4,6-Dimethyl-2-pyrimidinol (1:1): [330-95-0]. ***Nicarbazin, BAN.*** *Nicarb. Nicoxin. Nicrazin. MK 75.*
$C_{19}H_{18}N_6O_6$ M 426.388
Coccidiostat. Cryst. Dec. at 265-275°.

▷FE0900000.

Vittenet, H., *Bull. Soc. Chim. Fr.*, 1899, **21**, 149 (*synth*)
Cuckler, A.C. *et al, Science (Washington)*, 1955, **122**, 244 (*Nicarbazin*)
Trickes, G. *et al, Angew. Chem., Int. Ed. Engl.*, 1977, **16**, 555 (*synth*)
Molina, P. *et al, Synth. Commun.*, 1982, **12**, 573 (*synth*)
Pakula, R. *et al, Przem. Chem.*, 1985, **64**, 480 (*Nicarbazin*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13007.

Bisobrin, INN B-00232

1,1'-(1,4-Butanediyl)bis[1,2,3,4-tetrahydro-6,7-dimethoxyisoquinoline], 9CI. 1,1'-Tetramethylenebis[1,2,3,4-tetrahydro-6,7-dimethoxyisoquinoline], 8CI. EN 1661



$C_{26}H_{36}N_2O_4$ M 440.581
Others isomers known.

(1RS,1'SR)-form [22407-74-5]
(±)-meso-*form*
Fibrinolytic agent. Mp 130-133°.

B,HCl: [22407-73-4]. Mp 271-273° dec.

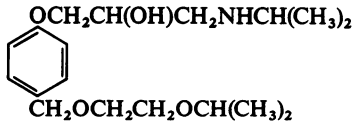
Lactate: [24233-80-5]. *Bisobrin lactate, USAN. EN-1661L.* Cryst. (EtOH). Mp 217-218°.

B.P., 1 178 187, (*1968*); *CA*, **70**, 115024y (*synth, pharmacol, tox*)
Markwardt, F. *et al, Thromb. Res.*, 1973, **2**, 383 (*pharmacol*)
Fliedner, L.J. *et al, J. Med. Chem.*, 1974, **19**, 202 (*synth, pharmacol*)
Sasaki, Y. *et al, Jpn. J. Pharmacol.*, 1974, **24**, 737 (*pharmacol*)
Stenlake, J.B. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 508 (*synth, pharmacol*)

Bisoprolol, BAN, INN B-00233

1-[4-[[2-(1-Methylethoxy)ethoxy]methyl]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, 9CI. 1-[4-(2-Isopropoxyethoxymethyl)phenoxy]-3-isopropylamino-2-propanol

[66722-44-9]



$C_{18}H_{31}NO_4$ M 325.447
Beta-adrenergic blocking agent.

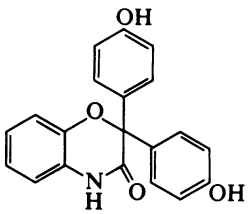
Fumarate: [66722-45-0]. *Bisoprolol fumarate, USAN. Concor. EMB 33 512.* Mp 100°.

Ger. Pat., 2 645 710, (*1978*); *CA*, **89**, 42759x (*synth*)
Schliep, H.J. *et al, J. Cardiovasc. Pharmacol.*, 1984, **6**, 1156 (*pharmacol*)
Prichard, B.N.C., *Eur. Heart J.*, 1987, **8**, 121 (*rev*)
Lancaster, S.G. *et al, Drugs*, 1988, **36**, 256 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18615.

Bisoxatin, INN B-00234

2,2-Bis(4-hydroxyphenyl)-2H-1,4-benzoxazin-3(4H)-one

[17692-24-9]



$C_{20}H_{15}NO_4$ M 333.343
Laxative. Mp 284°.

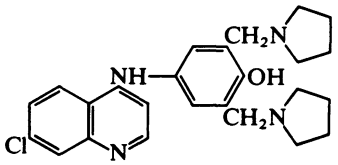
Di-O-Ac: [14008-14-1]. *2,2-Bis[4-(acetyloxy)phenyl]-2H-1,4-benzoxazin-3(4H)-one, 9CI.* ***Bisoxatin acetate, BAN, USAN, JAN.*** *Exodol. Kritel. Lasotin. Laxonalin. Maratan. Metrolax. Regoxal. Talsis. Wylaxine. La 271a. Wy 8138.*
$C_{24}H_{19}NO_6$ M 417.417
Laxative. Cryst. (EtOH). Mp 190°.

Schmidt, L. *et al, Arzneim.-Forsch.*, 1962, **12**, 1152 (*pharmacol*)
U.S.P., 3 006 917, (*1962*); *CA*, **57**, 11206h (*synth*)
Goldenthal, E.I., *Toxicol. Appl. Pharmacol.*, 1971, **18**, 185 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12446.

Bispyroquine B-00235

4-[(7-Chloro-4-quinolinyl)amino]-2,6-bis(1-pyrrolidinylmethyl)phenol, 9CI. M 6407

[5201-88-7]



$C_{25}H_{29}ClN_4O$ M 436.983

Antimalarial agent. Mp 184-185°.

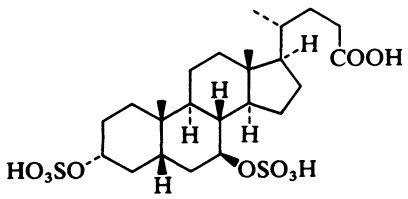
Netherlands Pat., 6 506 950, (*1965*); *CA*, **64**, 15858a (*synth, props*)

Huang, L.-S. *et al*, *CA*, 1980, **93**, 71499 (*synth, props*)

3,7-Bis(sulfooxy)cholan-24-oic acid, 9CI B-00236

Ursulcholic acid, INN

[88426-32-8]



$C_{24}H_{40}O_{10}S_2$ M 552.694

Used in dissolution of gallstones. Mp 215° dec.

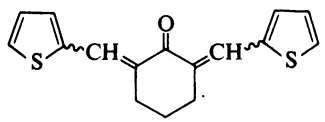
Bandiera, T. *et al*, *Synth. Commun.*, 1987, **17**, 1111 (*synth*)

Franzone, J.S. *et al*, *Boll. Chim. Farm.*, 1987, **126**, 282, 289 (*pharmacol*)

2,6-Bis(2-thienylmethylene)cyclohexanone, 9CI B-00237

2,6-Di-2-thenylidenecyclohexanone, 8CI. 2,6-Bis(2-thenylidene)cyclohexanone. ***Tenylidone, INN.*** *Margeryl. Thiofantile. Vanitile*

[893-01-6]



$C_{16}H_{14}OS_2$ M 286.406

Used to treat liver disorders. Mp 160°.

Lavrushin, V.F. *et al*, *J. Org. Chem. USSR* (*Engl. transl.*), 1970, **6**, 2565 (*synth, ir, uv*)

N,N'-Bis(2,2,2-trichloro-1-hydroxyethyl)-urea, 9CI, 8CI B-00238

Dicloralurea, *USAN, INN. SKF 1995. DCU*

[116-52-9]

$Cl_3CCH(OH)NHCONHCH(OH)CCl_3$

$C_5H_6Cl_6N_2O_3$ M 354.832

Vet. food additive, inhibits methane production in herbicide ruminants. Growth stimulant.

▷YS2787000.

U.S.P., 3 733 417, (*1973*); *CA*, **79**, 52177p (*use*)

Bis(2,2,2-trifluoroethyl) ether, 8CI B-00239

1,1'-Oxybis[2,2,2-trifluoroethane], 9CI. ***Flurothyl,*** *BAN,* ***USAN.*** *Flurotyl, INN. Indoklon. SKF 6539*

[333-36-8]

$F_3CCH_2OCH_2CF_3$

$C_4H_4F_6O$ M 182.065

CNS stimulant. Mobile liq. with mild ethereal odour. Prac. insol. H_2O, sol. EtOH. d_4^{20} 1.41. Bp 63.9°.

▷KN3675000.

Krantz, J.C. *et al*, *Science*, 1957, **126**, 353 (*synth*)

B.P., 814 493, (*1959*); *CA*, **54**, 1315 (*synth*)

Krantz, J.C. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1967, **124**, 820 (*pharmacol*)

U.S.P., 3 363 006, (*1968*); *CA*, **68**, 77733 (*synth*)

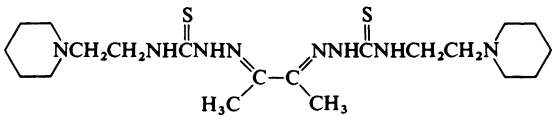
Adler, M.W., *Curr. Dev. Psychopharmacol.*, 1975, **2**, 29 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1424.

Bitipazone, INN B-00240

2,2'-(1,2-Dimethyl-1,2-ethanediylidene)bis[N-[2-(1-piperidinyl)ethyl]]hydrazinecarbothioamide, 9CI. 2,3-Butanedione bis[4-(2-piperidinoethyl)-thiosemicarbazone. Hoe 153

[13456-08-1]



$C_{20}H_{38}N_8S_2$ M 454.694

Coccidiostat. Mp 224-225° dec.

▷VT3279300.

Fr. Pat., 1 511 965, (*1968*); *CA*, **71**, 3265s (*synth*)

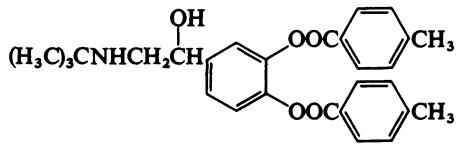
Wagner, W.H. *et al*, *Adv. Antimicrob. Antineoplastic Chemotherapy, Proc. 7th Intern. Cong. on Chemotherapy*, 1972, University Park Press, Baltimore, 443 (*pharmacol*)

Winkelmann, E. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 950 (*synth, props*)

Bitolterol, INN B-00241

*4-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,2-phenylene 4-methylbenzoate, 9CI. Colterol 3,4-di-*p*-toluate*

[30392-40-6]



$C_{28}H_{31}NO_5$ M 461.557

Bronchodilator.

B,MeSO₃H: [30392-41-7]. *Bitolterol mesylate, USAN. Effectin. Tornalate. S 1540. Win 32784.* Mp 170-172°.

▷XU1642000.

Shargel, L. *et al*, *Drug Metab. Dispos.*, 1976, **4**, 65, 72 (*metab*)

Tullar, B.F. *et al*, *J. Med. Chem.*, 1976, **19**, 834 (*synth, pharmacol*)

Minatoya, H., *J. Pharmacol. Exp. Ther.*, 1978, **206**, 515 (*pharmacol*)

Anon., *Drugs of Today*, 1980, **16**, 324 (*rev*)

Kelly, H.W., *Clin. Pharm.*, 1985, **4**, 393 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12447.

Bleomycin A_1 B-00242

N'-[3-(Methylsulfinyl)propyl]bleomycinamide, 9CI

[58995-26-9]

As Bleomycin A_2, B-00243 with

R = $-(CH_2)_3SOCH_3$

$C_{54}H_{78}N_{16}O_{22}S_3$ M 1399.484

Glycopeptide antibiotic. Isol. from *Streptomyces verticillus*. Antitumour agent. See also Bleomycin A_2 for general refs.

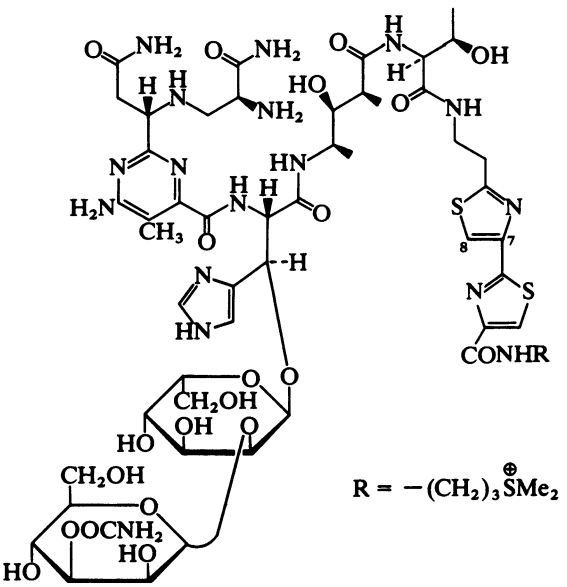
▷EC5991600.

Fujii, A. *et al*, *J. Antibiot.*, 1973, **26**, 396, 398; 1978, **31**, 801 (*isol, props*)

Bleomycin A_2 B-00243

N^1-[*3-(Dimethylsulfonio)propyl*]*bleomycinamide*, *9CI. Zhengguangmycin* A_2

[11116-31-7]



$C_{55}H_{81}N_{17}O_{21}S_3^{\oplus}$ M 1412.526 (ion)

Major component of the large Bleomycin complex of glycopeptide antibiotics. Bleomycin complex isol. from *Streptomyces verticillus*. Semisynthetic members are prod. by directed biosynth. or semisynth. Important antitumour agent claimed for clinical use against specific tumours. Active against gram-positive and -negative bacteria. Mol. formula incorrect in CA (N_{16}).

▷EC5988500.

7,8-Dihydro: [52198-87-5]. ***Phleomycin*** A_2.
$C_{55}H_{83}N_{16}O_{21}S_3^{\oplus}$ M 1400.535 (ion)
From *S. verticillus*.

▷EC5991560.

Takita, T. *et al*, *J. Antibiot.*, 1972, **25**, 755 (*struct*)
Ger. Pat., 2 310 462, (*1973*); *CA*, **80**, 69145 (*deriv*)
Umezawa, H., *Biomedicine*, 1973, **18**, 459 (*rev, synth, props*)
Japan. Pat., 75 123 884, (*1975*); *CA*, **84**, 41981 (*isol*)
Umezawa, H., *Antibiotics*, (*N.Y.*), 1975, **3**, 21 (*rev*)
Minster, D.K. *et al*, *J. Org. Chem.*, 1978, **43**, 1624 (*synth*)
Takita, T. *et al*, *J. Antibiot.*, 1978, **31**, 801 (*struct*)
Oppenheimer, N.J. *et al*, *Biochemistry*, 1979, **18**, 3439 (*pmr, struct*)
Roy, S.M. *et al*, *Cancer Res.*, 1981, **41**, 4471.
Aoyagi, Y. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 5537 (*synth*)
Saito, S. *et al*, *J. Antibiot.*, 1983, **36**, 92 (*synth*)
Takita, T., *Drugs Pharm. Sci.*, 1984, **22**, 594 (*rev*)
Grigg, G.W. *et al*, *J. Antibiot.*, 1985, **38**, 99 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1815.

Bleomycin A_5 B-00244

N^1-[*3-*[(*4-Aminobutyl*)*amino*]*propyl*]*bleomycinamide*, *9CI. Bleomycetin. Pingyangmycin. Zhengguangmycin* A_5

[11116-32-8]

As Bleomycin A_2, B-00243 with

R = $-(CH_2)_3NH(CH_2)_3CH_2NH_2$

$C_{57}H_{86}N_{18}O_{21}S_2$ M 1423.534

See also Bleomycin A_2, B-00243 for props. and general references. Minor component of the antibiotic complex Bleomycin; isol. from *Streptomyces verticillus*, *Streptoverticillium griseocarneum* and *Streptoverticillium olivorecticuli*. Antitumour agent.

▷EC5990500.

Ger. Pat., 2 006 446, (*1970*); *CA*, **74**, 11890u (*synth*)
Fujii, A. *et al*, *J. Antibiot.*, 1974, **27**, 73 (*biosynth*)
Otani, T. *et al*, *Jpn. J. Antibiot.*, 1979, **32**, 720 (*isol*)
Pogozheva, V.V. *et al*, *Antibiotiki* (*Moscow*), 1980, **25**, 887 (*isol*)

Bleomycin B_4 B-00245

Phleomycin F

[9060-11-1]

As Bleomycin A_2, B-00243 with

R = $-(CH_2)_4NHC(=NH)NH(CH_2)_4NHC(NH_2)=NH$

$C_{56}H_{92}N_{22}O_{21}S_2$ M 1473.598

See also Bleomycin A_2, B-00243 for props. and general references. Minor component of the antibiotic complex Bleomycin, isol. from *Streptomyces verticillus*. Antitumour agent.

Takita, T. *et al*, *J. Antibiot.*, 1972, **25**, 197 (*struct*)
Umezawa, H. *et al*, *Biomedicine*, 1973, **18**, 459 (*struct*)
Fujii, A. *et al*, *J. Antibiot.*, 1974, **27**, 73 (*biosynth*)

Bleomycin B_2 B-00246

N^1-[*4-*[(*Aminoiminomethyl*)*amino*]*butyl*]-*bleomycinamide*, *9CI. Phleomycin* D_2. *Zhengguangmycin* B_2

[9060-10-0]

As Bleomycin A_2, B-00243 with

R = $-(CH_2)_4NHC(NH_2)=NH$

$C_{55}H_{81}N_{19}O_{21}S_2$ M 1408.480

See also Bleomycin A_2, B-00243 for props. and general references. Major component of the antibiotic complex Bleomycin, isol. from *Streptomyces verticillus*. Antitumour agent.

▷EC5991200.

7,8-Dihydro: [11031-11-1]. ***Phleomycin*** D_1.
$C_{55}H_{83}N_{19}O_{21}S_2$ M 1410.495
From *S. verticillus*.

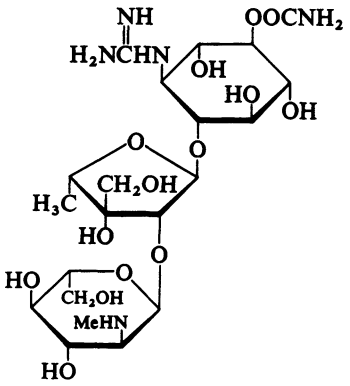
▷SY0550000.

Ger. Pat., 2 006 446, (*1970*); *CA*, **74**, 11890u (*synth*)
Takita, T. *et al*, *J. Antibiot.*, 1972, **25**, 197 (*synth*)
Umezawa, H. *et al*, *Biomedicine*, 1973, **18**, 459 (*synth*)
Fujii, A. *et al*, *J. Antibiot.*, 1974, **27**, 73 (*biosynth*)
Chen, D.M. *et al*, *Biochemistry*, 1977, **16**, 2731 (*nmr*)
Takita, T. *et al*, *J. Antibiot.*, 1978, **31**, 801 (*struct*)
Dell, A. *et al*, *Biochem. Biophys. Res. Commun.*, 1981, **102**, 730 (*ms*)

Bluensomycin, INN **B-00247**

Bluensin. Glebomycin. S 438. U 12898. Antibiotic S 438. Antibiotic U 12898

[11011-72-6]



$C_{21}H_{39}N_5O_{14}$ M 585.564

Aminoglycoside antibiotic. Isol. from *Streptomyces bluensis* var. *bluensis* and *S. hygroscopicus* forma *glebosus*. Shows broad-spectrum activity.

▷EC7600000.

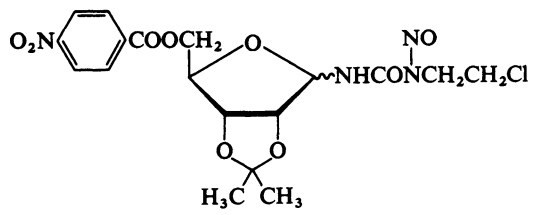
B,HCl: Mp 190-194° dec. $[\alpha]_D^{24}$ +0.5-1.5° (c, 1 in H_2O).
B,2HCl: $[\alpha]_D^{25}$ −92° (c, 1 in H_2O).
B,H_2SO_4: $[\alpha]_D^{25}$ −87° (c, 1 in H_2O).

Bergy, M.E. *et al, Antimicrob. Agents Chemother.*, 1962, 614 (*isol, props*)
Kawaguchi, H. *et al, J. Antibiot. Ser. A*, 1962, **15**, 7, 15, 21 (*Glebomycin*)
Mason, D.J. *et al, Antimicrob. Agents Chemother.*, 1962, 607 (*isol*)
Bannister, B. *et al, J. Am. Chem. Soc.*, 1963, **85**, 119, 234 (*struct*)
Barlow, C.B. *et al, J. Antibiot.*, 1972, **25**, 281 (*struct*)
Ochab, S. *et al, Pol. J. Pharmacol. Pharm.*, 1973, **25**, 105 (*purifn*)
Munro, M.H.G. *et al, J. Antibiot.*, 1982, **35**, 1331 (*pmr, cmr, struct*)

Bofumustine, INN **B-00248**

N-(2-Chloroethyl)-N′-[2,3-O-(1-methylethylidene)-5-O-(4-nitrobenzoyl)-D-ribofuranosyl]-N-nitrosourea, 9CI. 1-(2-Chloroethyl)-3-(2,3-O-isopropylidene-D-ribofuranosyl)-1-nitrosourea 5′-p-nitrobenzoate. ICIG 1105

[55102-44-8]



$C_{18}H_{21}ClN_4O_9$ M 472.838

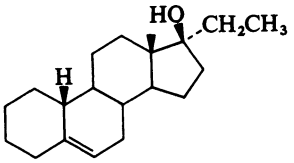
Antineoplastic, immunosuppressive agent. Mp 100-103°.

Montero, J.L. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1974, **279**, 809 (*synth, pharmacol*)
Montero, J.L. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 408 (*synth, props*)

Bolenol, USAN, INN **B-00249**

19-Norpregn-5-en-17-ol, 9CI. 17α-Ethyl-5-estren-17β-ol

[16915-78-9]



$C_{20}H_{32}O$ M 288.472

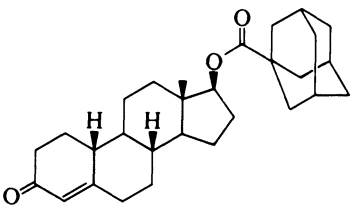
Anabolic steroid. Mp 119-120°. $[\alpha]_D$ −27° (c, 0.01 in $CHCl_3$).

Bolt, C.C. *et al, Recl. Trav. Chim. Pays-Bas*, 1969, **88**, 1061 (*synth*)
Hudec, J. *et al, Tetrahedron*, 1976, **32**, 2475 (*cd*)

Bolmantalate, BAN, USAN, INN **B-00250**

Nortestosterone adamantanecarboxylate. Lilly 38851

[1491-81-2]



$C_{29}H_{40}O_3$ M 436.633

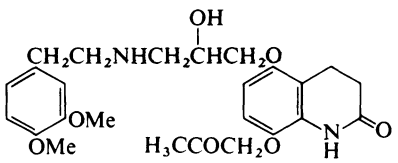
Anabolic steroid. Cryst. (Et_2O). Mp 202.5-204.5°.

Rapala, R.T. *et al, J. Med. Chem.*, 1965, **8**, 580 (*synth, pharmacol*)
U.S.P., 3 634 404, (*1972*); *CA*, **76**, 99916g

Bometolol, INN **B-00251**

5-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]-3,4-dihydro-8-(2-oxopropoxy)-2(1H)-quinolinone, 9CI. 8-(Acetonyloxy)-5-[3-[(3,4-dimethoxyphenethyl)amino]-2-hydroxypropoxy]-3,4-dihydrocarbostyril

[65008-93-7]



$C_{25}H_{32}N_2O_7$ M 472.537

(S)-form [79784-50-2]

Mp 88.0-88.5°. $[\alpha]_D^{25}$ −5.8° (c, 0.907 in MeOH).

(±)-form

Beta-adrenergic blocking agent, antihypertensive agent.

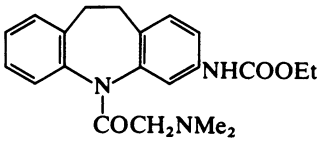
B,HCl: OPC 1427. Cryst. + $1H_2O$ (Me_2CO aq.). Mp 135-136°.

Yo, E. *et al, Chem. Pharm. Bull.*, 1981, **29**, 2157, 2166 (*synth, nmr, pharmacol*)
Hashimoto, K. *et al, J. Pharmacol. Exp. Ther.*, 1982, **223**, 801 (*pharmacol*)

Bonnecor B-00252

[5-[(Dimethylamino)acetyl]-10,11-dihydro-5H-dibenz[b,f]azepin-3-yl]carbamic acid ethyl ester. 3-Carbethoxyamino-5-dimethylaminoacetyl-10,11-dihydro-5H-dibenz[b,f]azepine. AWD 19-166. GS 015

[83275-56-3]



$C_{21}H_{25}N_3O_3$ M 367.447

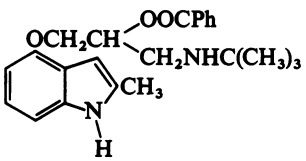
Antiarrhythmic agent. Mp 127-128°.

B,HCl: Mp 224-225°.

Wunderlich, H. *et al*, *Pharmazie*, 1985, **40**, 827 (*synth, pharmacol, metab, tox*)

Bopindolol, INN B-00253

1-[(1,1-Dimethylethyl)amino-3-[(2-methyl-1H-indol-4-yl)oxy]-2-propanol benzoate, 9CI. 1-(tert-Butylamino)-3-[(2-methylindol-4-yl)oxy]-2-propyl benzoate. LT 31-200



$C_{23}H_{28}N_2O_3$ M 380.486

(±)-*form* [62658-63-3]

β-Adrenergic blocking agent.

Fumarate: [62658-64-4]. Cryst. ($MeOH/Me_2CO$). Mp 189-191°.

Ger. Pat., 2 635 209, (*1977*); *CA*, **86**, 189711x (*synth, pharmacol*)

Aellig, W.H. *et al*, *Br. J. Clin. Pharmacol.*, 1982, **13**, 267; 1985, **19**, 775 (*pharmacol*)

Oddie, C.J. *et al*, *J. Chromatogr.*, 1983, **273**, 469 (*hplc*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16544.

Boric acid B-00254

Boracic acid

[10043-35-3]

$B(OH)_3$

BH_3O_3 M 61.832

Antibacterial agent. Pearly scales. Mp 171°. Component of Aci-Jel, Blinx, Bluboro, Borofax, Collyrium Eye Drops, Wyanoids.

▷ED4550000.

Sciarra, E., *J. Am. Pharm. Assoc.* (*Sci. Ed.*), 1960, **49**, 116 (*tox*)

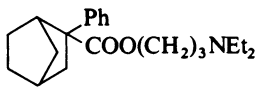
Houlsby, R.D. *et al*, *Antimicrob. Agents Chemother.*, 1986, **29**, 803 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 260.

Bornaprine, BAN, INN B-00255

2-Phenyl-2-norbornanecarboxylic acid 3-(diethylamino)propyl ester, 8CI. Sormodren. Kr 339

[20448-86-6]



$C_{21}H_{31}NO_2$ M 329.481

Spasmolytic.

▷DT4750000.

Haas, H. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **128**, 204 (*pharmacol*)

Haas, H. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 54 (*pharmacol*)

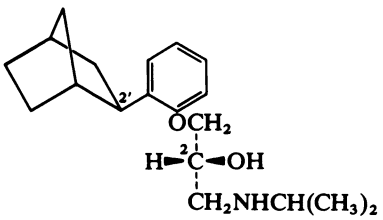
Mayo, B.C. *et al*, *Xenobiotica*, 1980, **10**, 873 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 349.

Bornaprolol, INN B-00256

1-(2-Bicyclo[2.2.1]hept-2-ylphenoxy)-3-[(1-methylethyl)amino]-2-propanol, 9CI. 1-(Isopropylamino)-3-(o-2-norbornylphenoxy)-2-propanol

[66451-06-7]



$C_{19}H_{29}NO_2$ M 303.444

All 4 *exo*-stereoisomers characterised, but the commercial drug appears to be a mixt. of the 2 racemates. Spasmolytic agent, β-adrenergic blocking agent. Used mainly as hydrochloride.

B,HCl: [69319-47-7]. *FM 24*. Cryst. ($Me_2CO/EtOH$). Mp 189-191°.

▷UA7322000.

Ger. Pat., 2 735 570, (*1978*); *CA*, **88**, 190229u (*synth, pharmacol*)

Le Fur, G. *et al*, *Life Sci.*, 1978, **23**, 1841 (*pharmacol*)

Bernard, N. *et al*, *J. Chromatogr.*, 1980, **183**, 99 (*glc*)

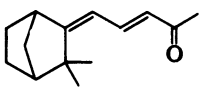
Hardy, J.C. *et al*, *Bull. Soc. Chim. Fr., Part 2*, 1982, 304 (*synth, isomers, nmr, hplc*)

Lefebvre, M.A. *et al*, *J. Chromatogr.*, 1982, **230**, 199 (*hplc*)

Bornelone, USAN, INN B-00257

5-(3,3-Dimethylbicyclo[2.2.1]hept-2-ylidene)-3-penten-2-one, 9CI. 5-(3,3-Dimethyl-2-norbornylidene)-3-penten-2-one, 8CI. Prosalol S-9

[2226-11-1]



$C_{14}H_{20}O$ M 204.311

UV sunscreen. Bp_2 105-110°.

2,4-Dinitrophenylhydrazone: Mp 196-198°.

Semicarbazone: Mp 210°.

Rojahn, W. *et al*, *Tetrahedron*, 1978, **34**, 1547 (*synth*)

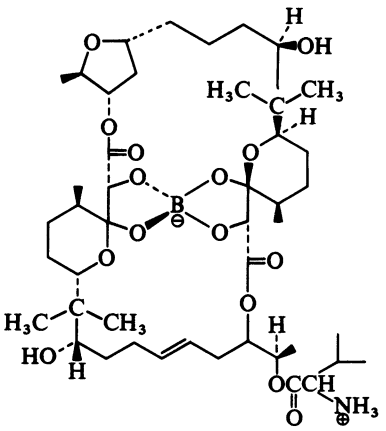
B.P., 1 200 862, (*1979*); *CA*, **73**, 112978p (*synth, pharmacol*)

Saunal, H. *et al*, *Int. J. Cosmet. Sci.*, 1984, **6**, 187 (*uv, isomers*)

Boromycin B-00258

Ivomycin. A 28829. Antibiotic A 28829

[34524-20-4]



$C_{45}H_{73}BNO_{15}$ M 878.879

Produced by *Streptomyces antibioticus*. Active against gram-positive bacteria. Coccidiostat. Cryst. (MeOH). Mp 223-228° dec. $[\alpha]_D$ +63.5° (c, 0.55 in $CHCl_3$). First known natural product containing boron. No UV absorption between 210 and 400 nm.

▷ED7325000.

Desvalyl: [70658-70-7]. O^{27}-*De*(*2-amino-3-methyl-1-oxobutyl*)*boromycin*, *10CI*. ***Devalylboromycin***. *Desvalinoboromycin.*

$C_{40}H_{64}BO_{14}^{\ominus}$ M 779.747 (ion)

Prod. by *S.* spp.

N-*Formyl:* **N-*Formylboromycin***.

$C_{46}H_{75}BNO_{16}$ M 908.906

Prod. by *S.* sp. Minor component of Boromycin complex. Powder. Mp 273-277° dec. $[\alpha]_D^{22}$ +63.0° (c, 0.270 in $CHCl_3$).

N-*Ac:* **N-*Acetylboromycin***.

$C_{47}H_{77}BNO_{16}$ M 922.932

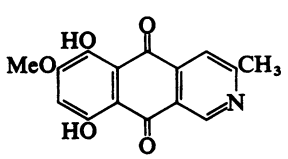
Prod. by *S.* sp. Minor component of Boromycin complex. Powder. Mp 250-255° dec. $[\alpha]_D^{22}$ +65.1° (c, 0.175 in $CHCl_3$).

Hutler, R. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1533 (*isol, struct*)
Dunitz, J.D. *et al*, *Helv. Chim. Acta*, 1971, **54**, 1709 (*struct*)
Pache, W., *Antibiotics* (*N.Y.*), 1975, **3**, 585 (*rev*)
Prelog, V., *Front. Bioorg. Chem. Mol. Biol.*, (*Ovchinnikov, Y.A. et al*, Ed.), 1979, Elsevier, Amsterdam, 87 (*rev*)
Chen, T.S.S. *et al*, *J. Org. Chem.*, 1981, **46**, 2661 (*synth*)
Floss, H.G. *et al*, *Antibiotics* (*N.Y.*), 1981, **4**, 193 (*biosynth*)
Tyler, P.C. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 6243 (*synth*)
White, J.D. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 6517; *Tetrahedron Lett.*, 1984, **25**, 3671 (*synth*)
Lee, J.J. *et al*, *J. Antibiot.*, 1985, **38**, 1444 (*isol, derivs*)

Bostrycoidin B-00259

6,9-Dihydroxy-7-methoxy-3-methylbenz[g]*-isoquinoline-5,10-dione*

[4589-33-7]



$C_{15}H_{11}NO_5$ M 285.256

Pigment from *Fusarium bostrycoides* and *F. solani*. Active against gram-positive bacteria and yeast. Antitubercular. Dark-red needles. Mp 241-243° dec.

Ac: Mp 214°.

9-Me ether: [73590-03-1]. ***Bostrycoidin 9-methyl ester***. *8-O-Methylbostrycoidin.*

$C_{16}H_{13}NO_5$ M 299.282

Major pigment of a strain of *F. moniliforme* and *F. oxysporum*. Active against gram-positive bacteria. Red needles ($CHCl_3$/MeOH). Mp 215-216°. 8-Me ether acc. to the trivial numbering system.

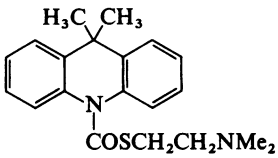
9-Me ether, Ac: Mp 245-246°.

Arsenault, G.P. *et al*, *Tetrahedron Lett.*, 1965, 4033 (*struct*)
Steyn, P.S. *et al*, *Tetrahedron*, 1979, **35**, 1551 (*deriv*)
Cameron, D.W. *et al*, *Aust. J. Chem.*, 1982, **35**, 1439 (*synth, bibl*)
McCulloch, A.W. *et al*, *Can. J. Chem.*, 1982, **60**, 2943 (*isol, props*)
Watanabe, M. *et al*, *Tetrahedron*, 1987, **43**, 5281 (*synth*)

Botiacrine, INN B-00260

S-[*2-*(*Dimethylamino*)*ethyl*] *9,9-dimethyl-10*(9H) *acridinecarbothioate*, *9CI*

[4774-53-2]



$C_{20}H_{24}N_2OS$ M 340.482

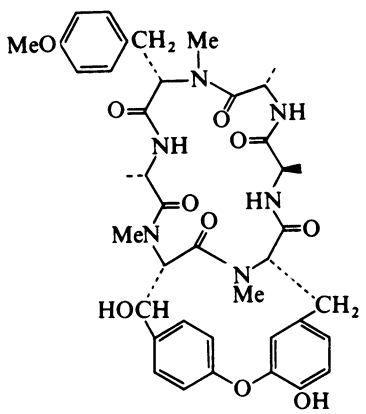
Antiparkinsonian drug. Mp 110.5-111°.

Molnar, I. *et al*, *Helv. Chim. Acta*, 1965, **48**, 1782 (*synth*)
U.S.P., 3 830 918, (*1974*); *CA*, **83**, 58674c (*pharmacol*)
Farrier, D.S., *Arzneim.-Forsch.*, 1977, **27**, 575 (*metab*)

Bouvardin B-00261

BVD. NSC 259968

[64755-14-2]



$C_{40}H_{48}N_6O_{10}$ M 772.853

Cyclic peptide antibiotic. Constit. of *Bouvardia ternifolia*. Antitumour agent by inhibition of protein synthesis. Shows narrow spectrum of activity; effective against B16 melanoma and P388 leukaemia but not other tumours. Prob. of no clinical utility. Needles (MeOH/CH_2Cl_2). $[\alpha]_D^{25}$ −181° (c, 1 in $CHCl_3$).

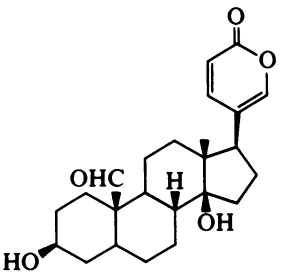
6-Me ether: [70840-66-3]. Active minor component of *B. ternifolia*. Plates (MeOH). Mp 244-247°. $[\alpha]_D^{24}$ −191° (c, 1.0 in $CHCl_3$).

Jolad, S.D. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 8040 (*cryst struct*)
Johnson, R.K. *et al*, *Cancer Treat. Rep.*, 1978, **62**, 1535.
Hoffman, J.J. *et al*, *J. Chromatogr. Sci.*, 1979, **17**, 287.

Chitnis, M.P. *et al*, *Chemotherapy (Basel)*, 1981, **27**, 126 (*pharmacol*)
Slowikowski, D.L. *et al*, *Biomed. Mass Spectrom.*, 1985, **12**, 72 (*ms*)

Bovogenin *A* B-00262

3β,14β-Dihydroxy-19-oxo-5α-bufa-20,22-dienolide
[468-18-8]



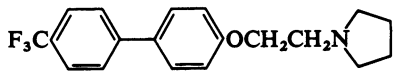
$C_{24}H_{32}O_5$ M 400.514
Cryst. Mp 247-252°. $[\alpha]_D^{22}$ 0° (MeOH).
▷EI2969000.

3-O-Thevetoside: Bovoside A.
$C_{31}H_{44}O_9$ M 560.683
Cardiac glycoside from bulbs of *Boiveia volubilis*. Cryst. (MeOH). Mp 240-255° dec. $[\alpha]_D^{15}$ +73.3° (MeOH).
▷Highly toxic, LD_{50} 0.12 mg/kg (cat)

Katz, A., *Helv. Chim. Acta*, 1955, **38**, 1565 (*struct*)
Gsell, L., *Helv. Chim. Acta*, 1969, **52**, 551 (*pmr*)

Boxidine, USAN, INN B-00263

1-[2-[[4'-(Trifluoromethyl)[1,1'-biphenyl]-4-yl]oxy]-ethyl]pyrrolidine, 9CI. 1-[2-[[4'-(Trifluoromethyl)-4-biphenyl]oxy]ethyl]pyrrolidine, 8CI. CL 65205
[10355-14-3]



$C_{19}H_{20}F_3NO$ M 335.368
Hypolipoproteinaemic. Mp 109-111°.

Bach, F.L. *et al*, *J. Med. Chem.*, 1968, **11**, 987 (*synth, pharmacol*)

Bradykinins B-00264

Kallidins

X-Arg-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-OH,
Bradykinin: X = H, Kallidin II: X = H-Lys

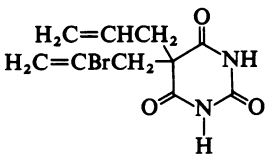
Kallidin I [58-82-2]
Bradykynin, 9CI. BRS 640
$C_{50}H_{73}N_{15}O_{11}$ M 1060.221
A tissue hormone which produces all four cardinal symptoms of inflammatory response, i.e. vasodilation, increased capillary permeability, pain and the accumulation of leucocytes. Amorph. Mp 170° dec. $[\alpha]_D^{23}$ −60.2° (c, 0.9 in MeOH), $[\alpha]_D^{25}$ −78.4° (c, 1.4 in 1N AcOH).
▷EE1530000.

Kallidin II [342-10-9]
N^2-*L-Lysylbradykinin, 9CI. Kallidin*
$C_{56}H_{85}N_{17}O_{12}$ M 1188.394
Peptide producing the signs of inflammatory response. Amorph.

Pless, J. *et al*, *Helv. Chim. Acta*, 1962, **45**, 394 (*synth*)
Erdos, E.G., *Adv. Pharmacol.*, 1966, **4**, 1 (*rev*)
Schafer, D.J. *et al*, *J. Chem. Soc.* (*C*), 1971, 46 (*synth*)
Corley, L. *et al*, *Biochem. Biophys. Res. Commun.*, 1972, **47**, 1353 (*synth*)
Fujino, M. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1021 (*synth*)
Ragnarsson, U. *et al*, *Int. J. Pept. Protein Res.*, 1975, **7**, 307 (*synth*)
Kahn, S.A. *et al*, *Synthesis*, 1978, 750 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12451.

Brallobarbital, INN B-00265

5-(2-Bromo-2-propenyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-(2-bromoallyl)barbituric acid, 8CI. Vesoperone. Ucedorm
[561-86-4]

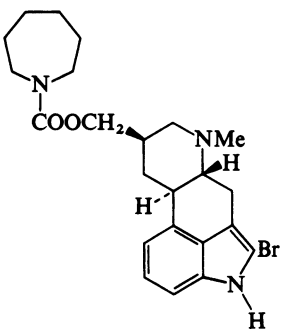


$C_{10}H_{11}BrN_2O_3$ M 287.113
(±)-*form*
Hypnotic. Mp 168-169°.

Belg. Pat., 497 501, (*1950*); *CA*, **49**, 1100e (*synth*)
Pottier, R. *et al*, *Arch. Int. Pharmacodyn.*, 1951, **88**, 291 (*pharmacol, tox*)
Goenechea, S., *Z. Anal. Chem.*, 1966, **218**, 28 (*ir*)
Ruecker, G., *Arch. Pharm.* (*Weinheim, Ger.*), 1966, **299**, 688 (*nmr*)
Herman, R.B. *et al*, *Pharm. Weekbl.*, 1967, **102**, 1123 (*tlc*)
Keding, H. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 342 (*metab*)

Brazergoline, INN B-00266

2-Bromo-6-methylergolin-8β-ylmethyl hexahydro-1H-azepine-1-carboxylate, 9CI
[60019-20-7]



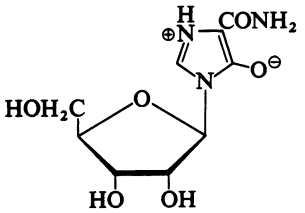
$C_{23}H_{30}BrN_3O_2$ M 460.413
Sympatholytic and antihypertensive agent; vasodilator. Cryst. (Et_2O). Mp 182-184°. $[\alpha]_D^{20}$ −87.0° (c, 0.5 in Py). Also used as mesylate salt.

Ger. Pat., 2 610 864, (*1976*); *CA*, **86**, 72966t (*synth*)
U.S.P., 4 199 579, (*1980*); *CA*, **93**, 168466 (*synth, pharmacol*)

Bredinin B-00267

5-Hydroxy-1-β-D-ribofuranosyl-1H-imidazole-4-carboxamide, 9CI. ***Mizoribine, INN, JAN***

[50924-49-7]



$C_9H_{13}N_3O_6$ M 259.218

Nucleoside antibiotic. Isol. from *Eupenicillum brefeldianum* and *Streptomyces brefeldianum*. Possesses antiviral, antitumour and immunosuppressant activity. Cryst. (MeOH). Mp >200° dec. $[\alpha]_D^{27}$ −35° (c, 0.8 in H_2O). λ_{max} 245 and 279 nm.

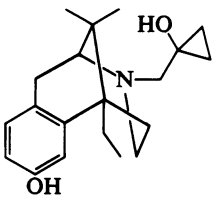
▷NI3980000.

Mizuno, K. *et al, J. Antibiot.*, 1974, **27**, 775 (*isol, struct, props*)
Mizuno, K. *et al, Chem. Pharm. Bull.*, 1975, **23**, 245 (*synth*)
Mizuno, K. *et al, Tetrahedron Lett.*, 1975, 4031 (*struct*)
Miles, D.W. *et al, J. Phys. Chem.*, 1983, **87**, 2444 (*cd, conformn*)
Fukukawa, K. *et al, Chem. Pharm. Bull.*, 1984, **32**, 1644 (*synth*)
Tarumi, Y. *et al, J. Heterocycl. Chem.*, 1984, **21**, 529, 849 (*synth, bibl*)
Tsukagoshi, S., *Drugs of Today*, 1985, **21**, 173 (*rev, pharmacol*)
Fukukawa, K. *et al, Chem. Pharm. Bull.*, 1986, **34**, 3653 (*synth*)
Gu, R. *et al, CA*, 1986, **105**, 191521 (*synth*)

Bremazocine, INN B-00268

6-Ethyl-1,2,3,4,5,6-hexahydro-3-[(1-hydroxycyclopropyl)methyl]-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol. Ph 3753

[71990-00-6]



$C_{20}H_{29}NO_2$ M 315.455

(−)-*form* [75684-07-0]

Analgesic, morphine antagonist. Mp 243-247°. $[\alpha]_D$ −108.8°.

(±)-*form* [83829-76-9]

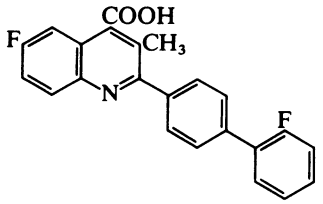
B,HCl: [75554-03-9]. Cryst. (MeOH/EtOAc). Mp 246-249°.

Eur. Pat., 4 960, (*1979*); *CA*, **93**, 46941f (*synth, pharmacol*)
Roemer, D. *et al, Life Sci.*, 1980, 971 (*pharmacol*)
Verlinde, C.L. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1759.

Brequinar, INN B-00269

6-Fluoro-2-(2'-fluoro[1,1'-biphenyl]-4-yl)-3-methyl-4-quinolinecarboxylic acid, 9CI. Bipenquinate

[96187-53-0]



$C_{23}H_{15}F_2NO_2$ M 375.374

Antineoplastic agent. Cryst. (DMF aq.). Mp 315-317°.

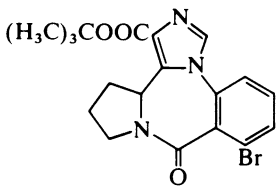
Na salt: [96201-88-6]. *Bipenquinate sodium. DuP 785. NSC 368390.* Mp >360°.

Dexter, D.L. *et al, Cancer Res.*, 1985, **45**, 5563; 1986, **46**, 5014 (*pharmacol*)
Eur. Pat., 133 244, (*1985*); *CA*, **102**, 191177 (*synth*)
Peters, G.J. *et al, Invest. New Drugs*, 1987, **5**, 235 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1739.

Bretazenil, INN B-00270

8-Bromo-11,12,13,13a-tetrahydro-9-oxo-9H-imidazo[1,5-a]pyrrolo[2,1-c][1,4]benzodiazepine-1-carboxylic acid 1,1-dimethylethyl ester, 9CI. Ro 166028

[84379-13-5]



$C_{19}H_{20}BrN_3O_3$ M 418.289

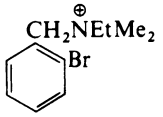
Benzodiazepine partial agonist.

Kemp, J.A. *et al, Br. J. Pharmacol.*, 1987, **91**, 601 (*pharmacol*)
Sanger, D.J., *Psychopharmacology*, 1987, **93**, 365 (*pharmacol*)
Yerburg, R.E. *et al, Pharmacol., Biochem. Behav.*, 1987, **28**, 427 (*pharmacol*)
Haigh, J.R. *et al, Eur. J. Pharmacol.*, 1988, **147**, 283 (*pharmacol*)

Bretylium(1+) B-00271

2-Bromo-N-ethyl-N,N-dimethylbenzenemethanaminium, 9CI. (*o-Bromobenzyl*)*ethyldimethylammonium, 8CI*

[59-41-6]



$C_{11}H_{17}BrN^{\oplus}$ M 243.166 (ion)

Antiadrenergic, antihypertensive agent, cardiac depressant.

Bromide: [3170-72-7]. *Ordil.*

$C_{11}H_{17}Br_2N$ M 323.070

▷BO9275000.

4-Methylbenzenesulfonate: [61-75-6]. *Bretylium tosylate, BAN, USAN, INN. Bretylol. Bretylate. Critifib. Darenthin. Hypotyl. Ipodaren. Ornid. ASL 603. BW 57-373. NSC 62164.*

$C_{18}H_{24}BrNO_3S$ M 414.357

Insol. Et_2O, sol. H_2O, EtOH. Mp 97-99°.

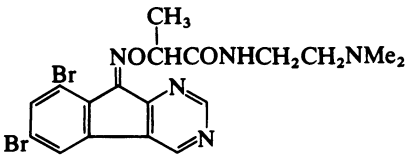
▷BO9450000.

Short, J.H. *et al*, *J. Pharm. Sci.*, 1962, **51**, 881 (*synth, pharmacol*)
Lee, R.J. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 148 (*rev, pharmacol*)
Carter, J.E. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 71 (*rev*)
Green, A.F., *J. Clin. Pharmacol.*, 1982, **13**, 25 (*pharmacol*)
Rapeport, W.G., *Clin. Pharmacokinet.*, 1985, **10**, 248 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 855.

Brindoxime, INN B-00272

2-[[(6,8-Dibromo-9H-indeno[2,1-d]pyrimidin-9-ylidene)amino]oxy]-N-[2-(dimethylamino)ethyl]-propanamide, 9CI

[55837-17-7]



$C_{18}H_{19}Br_2N_5O_2$ M 497.188

Antimalarial agent. Yellow cryst. (MeOH). Mp 175-178°.

B,HCl: [68745-05-1]. Cryst. (MeOH). Mp 242-244°.

Ger. Pat., 2 816 011, (*1978*); *CA*, **90**, 38958q (*synth*)

Brinolase, USAN B-00273

***Brinase, INN**. Protease 1. CA-7*

[9000-99-1]

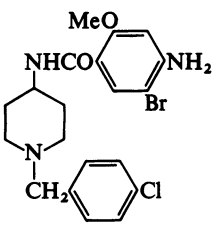
Enzyme from *Aspergillus oryzae*. Fibrinolytic enzyme.

Gigorov, I., *CA*, 1970, **72**, 87463m (*formn*)
Svard, P.O., *Folia Haematol. (Leipzig)*, 1974, **101**, 45 (*rev, pharmacol*)
Gaffney, P.J., *Prog. Chem. Fibrinolysis Thrombolysis*, 1978, **3**, 349 (*rev*)
Saldeen, T. *et al*, *Haemostasis*, 1982, **11**, 161 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3704.

Broclepride, INN B-00274

4-Amino-[1-[(4-chlorophenyl)methyl]-4-piperidinyl]-5-bromo-2-methoxybenzamide, 9CI. 4-Amino-5-bromo-N-[1-(p-chlorobenzyl)-4-piperidyl]-o-anisamide

[71195-56-7]



$C_{20}H_{23}BrClN_3O_2$ M 452.778

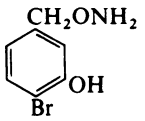
CNS stimulant, tranquilliser, antiemetic.

Spanish Pat., 470 772, (*1979*); *CA*, **91**, 74482j (*synth*)

Brocresine, BAN, USAN, INN B-00275

5-[(Aminooxy)methyl]-2-bromophenol, 9CI. α-(Aminooxy)-6-bromo-m-cresol, 8CI. 4-Bromo-3-hydroxybenzyloxyamine

[555-65-7]



$C_7H_8BrNO_2$ M 218.050

Histidine decarboxylase inhibitor, used in treatment of gastric ulcers.

▷GO6833000.

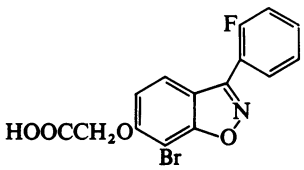
Phosphate salt (1:1): [306-10-5]. *Contramine. CL 54998. NSD 1055.* Mp 202-203°.

B.P., 977 071, (*1961*); *CA*, **57**, 13675 (*synth*)
Radwan, A.G. *et al*, *Br. J. Pharmacol. Chemother.*, 1968, **33**, 193 (*pharmacol*)
Ellenbogen, L. *et al*, *Biochem. Pharmacol.*, 1969, **18**, 683, 1784 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12452.

Brocrinat, INN, USAN B-00276

[[7-Bromo-3-(2-fluorophenyl)-1,2-benzisoxazol-6-yl]-oxy]acetic acid, 9CI. Halocrinic acid. HP-522

[72481-99-3]



$C_{15}H_9BrFNO_4$ M 366.143

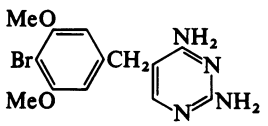
Antihypertensive, diuretic. Mp 223-224°.

Kitzen, J.M. *et al*, *Life Sci.*, 1980, **27**, 2547 (*pharmacol*)
Shutske, G.M. *et al*, *J. Med. Chem.*, 1982, **25**, 36 (*synth, pharmacol*)

Brodimoprim, INN B-00277

5-[(4-Bromo-3,5-dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, 9CI. 2,4-Diamino-5-(4-bromo-3,5-dimethoxybenzyl)pyrimidine. Clafalix. Ro 10-5970

[56518-41-3]



$C_{13}H_{15}BrN_4O_2$ M 339.191

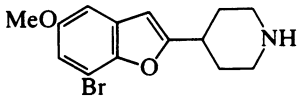
Bactericide, sulphonamide potentiator. Mp 225-228°.

Ger. Pat., 2 452 889, (*1975*); *CA*, **83**, 97361t (*synth, pharmacol*)
Kompis, I. *et al*, *Helv. Chim. Acta*, 1977, **60**, 3025 (*synth, pharmacol, ir, nmr*)
Birdsall, B. *et al*, *J. Med. Chem.*, 1984, **27**, 1672 (*pmr, analogues*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16546.

Brofaromine, INN **B-00278**

4-(7-Bromo-5-methoxy-2-benzofuranyl)piperidine, 9CI. *Brofaremine*

[63638-91-5]



$C_{14}H_{16}BrNO_2$ M 310.190

Antidepressant (monoamine oxidase inhibitor).

B,HCl: [63638-90-4]. *CGP 11305*A. Cryst. (MeOH/Et_2O). Mp 242-243°.

Ger. Pat., 2 653 147, (*1975*); *CA*, **87**, 84837 (*synth*)

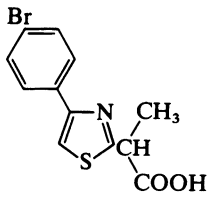
Waldmeier, P.C. *et al, Mod. Probl. Pharmacopsychiatry*, 1983, **19**, 31, 53 (*pharmacol*)

Van der Brempt, C. *et al, Bull. Soc. Chim. Belg.*, 1986, **95**, 139 (*cryst struct*)

Brofezil, BAN, INN **B-00279**

4-(4-Bromophenyl)-α-methyl-2-thiazoleacetic acid, 9CI. *ICI 54594*

[17969-45-8]



$C_{12}H_{10}BrNO_2S$ M 312.181

(±)-*form*

Antiinflammatory agent. Mp 110° dec.

Na salt: [17969-70-9]. Cryst. + $2H_2O$. Dec. at 229.5-230.5°.

Me ester: Cryst. (MeOH). Mp 87-88°.

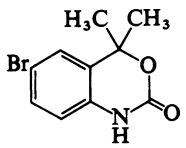
Netherlands Pat., 6 614 130, (*1967*); *CA*, **68**, 68976 (*synth*)

B.P., 1 337 661, (*1973*); *CA*, **80**, 82942x (*synth*)

Brofoxine, USAN, INN **B-00280**

*6-Bromo-1,4-dihydro-4,4-dimethyl-2*H*-3,1-benzoxazin-2-one,* 9CI, 8CI. *FI 6820*

[21440-97-1]



$C_{10}H_{10}BrNO_2$ M 256.099

Tranquilliser. Mp 203-205°.

▷DM3679200.

Bernardi, L. *et al, Experientia*, 1969, **25**, 787 (*synth, pharmacol*)

Bromacrylide, INN **B-00281**

N-[(*3-Bromopropanamido*)*methyl*]-*2-propenamide.* N-[(*3-Bromopropionamido*)*methyl*]*acrylamide. NSC 66248*

[4213-51-8]

$H_2C{=}CHCONHCH_2NHCOCH_2CH_2Br$

$C_7H_{11}BrN_2O_2$ M 235.080

Antineoplastic agent. Mp 177°.

▷AS3400000.

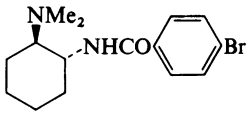
Tomcufcik, A.S. *et al, Nature (London)*, 1961, **191**, 611 (*synth, pharmacol*)

Schmidt, L.H. *et al, Cancer Chemother. Rep., Suppl.*, 1965, **2**, 1 (*pharmacol*)

Bromadoline, INN **B-00282**

*4-Bromo-*N-[*2-(dimethylamino)cyclohexyl*]*benzamide,* 9CI

[67579-24-2]



$C_{15}H_{21}BrN_2O$ M 325.248

trans-form

Analgesic. Needles (Et_2O). Mp 157-158°.

Maleate: [81447-81-6]. *Bromadoline maleate,* USAN. *U-47931E.*

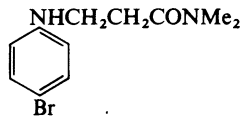
U.S.P., 4 215 114, (*1980*); *CA*, **94**, 103032g (*synth, pharmacol*)

Peng, G.W. *et al, J. Pharm. Sci.*, 1985, **74**, 304 (*chromatog*)

Bromamid, INN, JAN **B-00283**

3-(p-*Bromoanilino*)-N,N-*dimethylpropionamide,* 8CI. [*3-(4-Bromophenyl)amino*]-N,N-*dimethylpropanamide. NA-119. Bromanylpromide*

[332-69-4]



$C_{11}H_{15}BrN_2O$ M 271.156

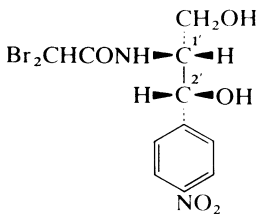
Analgesic, sedative, antiinflammatory agent. Mp 114.5-116.5°.

Takamura, K. *et al, Chem. Pharm. Bull.*, 1965, **13**, 198 (*synth, pharmacol*)

Bromamphenicol **B-00284**

*2,2-Dibromo-*N-[*2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl*]*acetamide,* 9CI. *Bromomycetin*

[16803-75-1]



(*1'R,2'R*)-*form*
Absolute configuration

$C_{11}H_{12}Br_2N_2O_5$ M 412.034

(*1'R,2'R*)-*form* [27597-63-3]

D-threo-*form*

Chloramphenicol analogue, bactericide which also inhibits protein formation. Mp 152-153°.

(*1'S,2'S*)-*form*

L-threo-*form*

Mp 152-153°. $[\alpha]_D^{25}$ +19.6° (EtOH).

(*1'RS,2'RS*)-*form*

(±)-threo-*form*

Mp 152-153°.

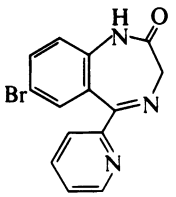
Rebstock, M.C., *J. Am. Chem. Soc.*, 1950, **72**, 4800 (*synth*)

Feitelson, B.N. *et al, J. Pharm. Pharmacol.*, 1951, **3**, 149 (*props*)

B.P., 697 697, (*1953*); *CA*, **49**, 1805c

Smith, C.J., *J. Bacteriol.*, 1958, **75**, 577 (*synth*)
Hansch, C. *et al*, *J. Med. Chem.*, 1973, **16**, 917 (*use*)

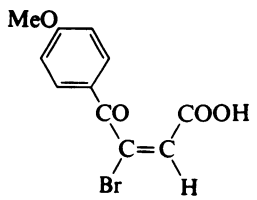
Bromazepam, BAN, INN, JAN, USAN **B-00285**
7-Bromo-1,3-dihydro-5-(2-pyridinyl)-2H-1,4-benzodiazepin-2-one, 9CI, 8CI. Lectopam. Numerous proprietary names
[1812-30-2]



$C_{14}H_{10}BrN_3O$ M 316.157
Tranquilliser. Prisms (Me_2CO). Mp 241-242° dec.
▷DE9800000.

Korol, B. *et al*, *Pharmacology*, 1968, **1**, 115 (*pharmacol*)
Goldenthal, E.I., *Toxicol. Appl. Pharmacol.*, 1971, **18**, 185 (*tox*)
Schwartz, A.M. *et al*, *J. Pharm. Sci.*, 1973, **62**, 1776.
Schwartz, A.M. *et al*, *Drug Metab. Dispos.*, 1974, **2**, 31 (*metab*)
Inaba, S. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 3279 (*synth*)
Clarke, G.M. *et al*, *J. Chem. Res. (S)*, 1980, 399, 400 (*synth*)
Hannoun, M. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 963 (*synth*)
Kovac, T. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 59 (*synth*)
Kovar, K.A. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1981, **314**, 186 (*cmr*)
Butcher, H. *et al*, *Acta Crystallogr., Sect. C*, 1982, **39**, 1469 (*cryst struct*)
Finner, E. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 79 (*pmr, conformn*)
Hassan, M.M.A. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2981 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7008.

Bromebric acid, BAN, INN **B-00286**
3-Bromo-4-(4-methoxyphenyl)-4-oxo-2-butenoic acid, 9CI. 3-p-Anisoyl-3-bromoacrylic acid, 8CI. Cytembna. Cytoval. Mebryl. MBBA. NSC 104801
[16170-76-6]



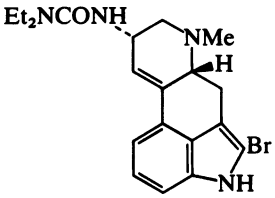
$C_{11}H_9BrO_4$ M 285.094
(Z)-form [5711-40-0]
Anticancer agent. Cryst. (H_2O). Mp 146°.
Na salt: [2126-70-7]. Mp 266° dec.
▷AS4800000.

Zugravescu, I. *et al*, *Rev. Chim. (Bucharest)*, 1962, **7**, 633 (*synth*)
Semonsky, M. *et al*, *Collect. Czech. Chem. Commun.*, 1963, **28**, 377 (*synth*)
Jelinek, V. *et al*, *Neoplasma*, 1969, **16**, 121 (*pharmacol*)
Jackson, R.C. *et al*, *Neoplasma*, 1975, **22**, 259 (*pharmacol*)
Zikan, V. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 3106 (*synth*)
Mitoma, C. *et al*, *Xenobiotica*, 1977, **7**, 165 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13243.

Bromelains, USAN **B-00287**
Ananase. Bromelase. Extranase. Inflamen. Traumanase
[9001-00-7]
Enzymes from *Ananas sativus* (pineapple plant). Proteolytic enzymes; antiinflammatory agent.
▷EF8575000.

Ger. Pat., 55 405, (*1967*); *CA*, **67**, 84851x (*isol*)
Cooreman, W.M. *et al*, *Pharm. Acta Helv.*, 1976, **51**, 73 (*rev, pharmacol*)
Murachi, T., *Methods Enzymol.*, 1976, **45**, 475 (*rev*)
Taussig, S.J., *Med. Hypotheses*, 1980, **6**, 99 (*rev, activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3705.

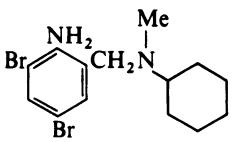
Bromerguride, INN **B-00288**
N′-(2-Bromo-9,10-didehydro-6-methylergolin-8-yl)-N,N′-diethylurea, 9CI. 2-Bromolisuride. ZK 95451
[83455-48-5]



$C_{20}H_{25}BrN_4O$ M 417.348
Dopamine antagonist.
B,HBr: [83455-49-6]. Mp 209-210°.

Eur. Pat., 56 358, (*1982*); *CA*, **97**, 182716 (*synth*)
Wachtel, H. *et al*, *Life Sci.*, 1983, **33**, 2583 (*pharmacol*)
Krause, W. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **31**, 165.
Hildebrand, M. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1987, **12**, 31 (*metab*)

Bromhexine, BAN, INN **B-00289**
2-Amino-3,5-dibromo-N-cyclohexyl-N-methylbenzenemethanamine, 9CI. 3,5-Dibromo-N$^{\alpha}$-cyclohexyl-N$^{\alpha}$-methyltoluene-α,2-diamine, 8CI
[3572-43-8]



$C_{14}H_{20}Br_2N_2$ M 376.133
Bronchial mucolytic and expectorant. Used mainly as hydrochloride.
B,HCl: [611-75-6]. *Bromhexine hydrochloride, USAN, JAN. Brozime. Bisolvon. Bromexina. Other proprietary names.* Insol. Me_2CO, $CHCl_3$. Mp 237-238° dec.
▷XS9950000.

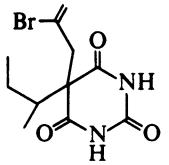
Engelhorn, R. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 474 (*pharmacol*)
Keck, J., *Justus Liebigs Ann. Chem.*, 1963, **662**, 171 (*synth*)
Boyd, E.M. *et al*, *Arch. Int. Pharmacodyn.*, 1966, **163**, 284 (*props, tox*)
Jaunch, R. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1954 (*metab*)
Shimizu, N. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 891; 1984, **40**, 902 (*cryst struct*)
Koo, C.H. *et al*, *Arch. Pharmacol. Res.*, 1984, **7**, 115 (*struct*)
Yang, T.C., *CA*, 1984, **101**, 191225 (*synth*)
Eur. Pat., 130 224, (*1985*); *CA*, **103**, 37181 (*synth*)
Nardi, D. *et al*, *Farmaco, Ed. Sci.*, 1985, **40**, 108 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3253 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2008.

5-(2-Bromoallyl)-5-*sec*-butylbarbituric acid, 8CI B-00290

5-(2-Bromo-2-propenyl)-5-(1-methylpropyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. Butallylonal. Pernoston. Sonbutal

[1142-70-7]



$C_{11}H_{15}BrN_2O_3$ M 303.155

Hypnotic. Cryst. Mp 132-133°.

▷Addictive. CQ0700000.

Na salt: [3486-86-0]. *Sodium butallylonal. Pernocton.*
C_4H_7BrO M 151.003
Powder. Sol. H_2O, EtOH.

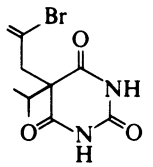
▷CQ0875000.

U.S.P., 1 739 662, (*1929*); *CA*, **24**, 919 (*synth*)
Fretwurst, F., *Arzneim.-Forsch.*, 1958, **8**, 44.
Bauer, G., *Naturwissenschaften*, 1960, **47**, 41 (*tox*)
Avdovich, H.W. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)

5-(2-Bromoallyl)-5-isopropylbarbituric acid, 8CI B-00291

5-(2-Bromo-2-propenyl)-5-(1-methylethyl)-2,4,6-(1H,3H,5H)-pyrimidinetrione, 9CI. Bromoaprobarbital. Ibomalum. Kwietal. Mepronal. Noctal. Noctenal. Nostal. Propaldon. Propallylonal. Quietalum

[545-93-7]



$C_{10}H_{13}BrN_2O_3$ M 289.128

Highly effective barbiturate sedative, hypnotic and narcotic. Cryst. with slightly bitter taste. Sol. EtOH, Me_2CO, alkalis, mod. sol. Et_2O, spar. sol. H_2O, $CHCl_3$, C_6H_6. Mp 178°.

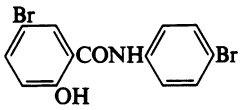
▷CQ1050000.

Herzog, J., *Arch. Pharm.* (*Weinheim, Ger.*), 1925, **263**, 216 (*synth, props*)
Holck, H.G.O. *et al*, *J. Pharm. Sci.*, 1961, **50**, 747 (*pharmacol*)
Avdovich, H.W. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr, rev, bibl*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Beyer, K.H. *et al*, *Dtsch. Apoth.-Ztg.*, 1981, **121**, 2308 (*rev*)
Koeppel, C. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1334 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4042.

5-Bromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, 9CI B-00292

4',5-Dibromosalicylanilide, 8CI. ***Dibromsalan,*** *USAN, INN. Disanyl. NSC 20527*

[87-12-7]



$C_{13}H_9Br_2NO_2$ M 371.028

Disinfectant. Mp 176°. Component of Temasept I, Diaphene.

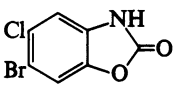
▷VN8225000.

Kraushaar, A., *Arzneim.-Forsch.*, 1954, **4**, 548 (*pharmacol*)
Welti, D., *Spectrochim. Acta*, 1966, **22**, 281 (*uv, ir*)
U.S.P., 35 013 196, (*1970*); *CA*, **73**, 35081m
Tripathy, H. *et al*, *Agric. Biol. Chem*, 1973, **37**, 1375 (*synth, props*)
Norbury, H.M. *et al*, *Xenobiotica*, 1981, **11**, 501 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2290.

6-Bromo-5-chloro-2(3*H*)-benzoxazolone, 9CI B-00293

Bromchlorenone, *USAN, INN. NSC 24970*

[5579-85-1]



$C_7H_3BrClNO_2$ M 248.463

Topical antiinfective. Mp 204-205°.

▷DM5075000.

Ger. Pat., 1 023 627, (*1958*); *CA*, **54**, 14564j (*pharmacol*)
Sam, J. *et al*, *J. Pharm. Sci.*, 1964, **53**, 538 (*synth*)

2-Bromo-2-chloro-1,1,1-trifluoroethane, 9CI B-00294

Halothane, *BAN, INN. Alotano. Anestan. Fluothane. Ftorotan. Halan. Halovis. Narcotan. Somnothan. Trothane*

[151-67-7]

$HBrClCCF_3$

$C_2HBrClF_3$ M 197.382

Inhalation anaesthetic. Spar. sol. H_2O. d_4^{20} 1.86. Bp 50.2°. Light sensitive.

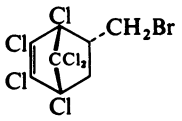
▷Exp. teratogen. KH6550000.

Raventós, J., *Br. J. Pharmacol.*, 1956, **11**, 394.
Daley, R.D. *et al*, *Anal. Profiles Drug Subst.*, 1972, **1**, 119; 1973, **2**, 573; 1985, **14**, 597 (*revs*)
Ngai, S.H., *Handbuch. Exp. Pharmakol.*, Springer-Verlag, Berlin, 1972, **30**, 33 (*rev*)
Dobkin, A.B., *Monogr. Anaesthesiol.*, 1979, **6**, 59 (*rev, pharmacol*)
Smith, G., *Br. J. Anaesth.*, 1981, **53**, 17 (*use*)
Torri, G. *et al*, *Prog. Anesthesiol.*, 1983, **3**, 141 (*rev, metab*)
Neuberger, J. *et al*, *Br. Med. J.*, 1984, **289**, 1136 (*tox*)
Stock, J.G.L. *et al*, *Anesthesiology*, 1985, **63**, 424 (*rev, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3101.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1493.

Bromocyclen, BAN **B-00295**

5-Bromomethyl-1,2,3,4,7,7-hexachlorobicyclo[2.2.1]-hept-2-ene, 9CI. ***Bromociclen, INN.*** *5-Bromomethyl-1,2,3,4,7,7-hexachloronorborn-2-ene. Alugan*

[1715-40-8]



endo-form

$C_8H_5BrCl_6$ M 393.750

▷RB7925000.

(±)-*endo-form* [17442-37-4]

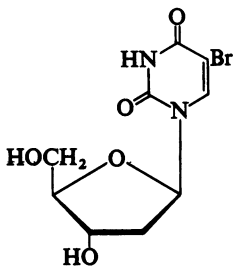
Insecticide and acaricide. Mp 77-78°.

Fields, E.K., *J. Am. Chem. Soc.*, 1954, **76**, 2709 (*synth*)
Reimschneider, R. *et al*, *Monatsh. Chem.*, 1960, **91**, 41 (*synth*)
Metcalf, R.L. *et al*, *Bull. W.H.O.*, 1962, **27**, 251.
v. Bree, J. *et al*, *Bull. Soc. Chim. Belg.*, 1978, **87**, 127 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3562.

5-Bromo-2'-deoxyuridine, 9CI, 8CI **B-00296**

Broxuridine, INN, JAN. *Bromouridine. Radibud. BRDU. NSC 38297*

[59-14-3]



$C_9H_{11}BrN_2O_5$ M 307.100

Antineoplastic agent. Mp 187-189°. λ_{max} 280 (ε 9 900) (HCl), 277 nm (7 200) (NaOH).

▷YU7350000.

3'-Ac: [15414-62-7].
$C_{11}H_{13}BrN_2O_6$ M 349.138
Mp 188-190°. λ_{max} 278 (ε 9 520) (0.1N HCl), 276 nm (6 840) (0.1N NaOH).

5'-Trityl: [15414-60-5]. Mp 144-146°. λ_{max} 279 (ε 9 400) (0.1N HCl), 275 nm (6 800) (0.1N NaOH).

Beltz, R.E. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 736.
Iball, J. *et al*, *Nature (London)*, 1966, **209**, 1230 (*cryst struct*)
Wigler, P.W. *et al*, *J. Med. Chem.*, 1972, **15**, 1020 (*synth*)
Hruska, F.E. *et al*, *Can. J. Chem.*, 1974, **52**, 497 (*pmr*)
Davies, D.B., *Stud. Biophys.*, 1976, **55**, 29; *CA*, **85**, 59065h (*cmr*)
Du Frain, R.J., *Basic Life Sci.*, 1984, **29A**, 41, 59, 83 (*revs*)
Aoyama, H., *Bull. Chem. Soc. Jpn.*, 1987, **60**, 2073 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1816.

2-Bromo-2,2-diethylacetic acid **B-00297**

2-Bromo-2-ethylbutanoic acid

[5456-23-5]

$(H_3CCH_2)_2CBrCOOH$

$C_6H_{11}BrO_2$ M 195.056

Me ester:
$C_7H_{13}BrO_2$ M 209.083
Bp 184.5-186°, Bp_{10} 65-66°.

Amide: [511-70-6]. *2-Bromo-2-ethylbutanamide, 9CI. 2-Bromo-2,2-diethylacetamide, 9CI.* ***Carbromide.*** *Neuronal (old form).*
$C_6H_{12}BrNO$ M 194.071

Sedative. Hypnotic. Mp 67°.

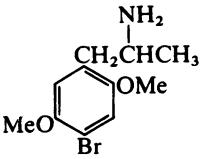
▷ES4300000.

Ger. Pat., 158 220, (*1905*) (*Carbromide*)
Mndzhoyan, A.L. *et al*, *CA*, 1958, **52**, 2789e (*synth*)
Eastman, R.H. *et al*, *J. Org. Chem.*, 1965, **30**, 1671 (*deriv*)
Butte, W., *Fresenius' Z. Anal. Chem.*, 1978, **290**, 156 (*hplc, Carbromide*)

4-Bromo-2,5-dimethoxy-α-methylpheneth-ylamine **B-00298**

4-Bromo-2,5-dimethoxy-α-methylbenzeneethanamine, 9CI. 4-Bromo-2,5-dimethoxyamphetamine

[32156-26-6]



$C_{11}H_{16}BrNO_2$ M 274.157

(*S*)-*form* [43061-16-1]

B,HCl: [50505-93-6]. Cryst. (2-propanol). Mp 204-205°. $[\alpha]_D^{25}$ +13.7° (c, 2 in H_2O).

(±)-*form* [64638-07-9]

Brolamfetamine, INN. *DOB*

Hallucinogen. Serotonin agonist. Mp 63-65°.

B,HCl: [51261-87-1]. Cryst. (EtOH/Et_2O). Mp 197-198°.

B,HBr: [53581-53-6]. Cryst. (EtOAc). Mp 145-146°.

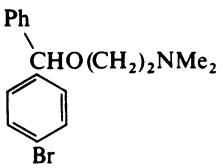
▷SH0300000.

Benington, F. *et al*, *Nature (London)*, 1973, **242**, 185 (*pharmacol*)
Coutts, R.T. *et al*, *Can. J. Chem.*, 1973, **51**, 1402 (*synth*)
Nichols, D.E. *et al*, *J. Med. Chem.*, 1973, **16**, 480 (*synth, pharmacol*)
Aldous, F.A.B. *et al*, *J. Med. Chem.*, 1974, **17**, 1100 (*synth, pharmacol*)
Sargent, T. *et al*, *Neuropharmacology*, 1975, **14**, 165 (*pharmacol*)
Shulgin, A.T., *J. Psychoact. Drugs*, 1981, **13**, 99 (*rev*)
Glennon, R.A. *et al*, *J. Med. Chem.*, 1986, **29**, 194; 1987, **30**, 930 (*synth, pharmacol*)

Bromodiphenhydramine, BAN, USAN **B-00299**

2-[(4-Bromophenyl)phenylmethoxy]-N,N-dimethyleth-anamine, 9CI. 2-[(p-Bromo-α-phenylbenzyl)oxy]-N,N-dimethylethylamine, 8CI. ***Bromazine, INN.*** *Ambodryl. Amodryl. Bromo-Benadryl. Deserol. Histabromazine. Neo-Benadryl*

[118-23-0]



$C_{17}H_{20}BrNO$ M 334.255

(±)-*form*

Antihistamine.

B,HCl: [1808-12-4]. *Bromodiphenhydramine hydrochloride, USAN.* Cryst. (2-propanol). Mp 144-145°.

▷KQ8420000.

U.S.P., 2 527 963, (*1950*); *CA*, **45**, 2156 (*synth*)
Chen, G. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **125**, 1 (*pharmacol*)
Boonen, F., *J. Pharm. Belg.*, 1973, **28**, 410 (*uv*)
Barbe, J. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1974, **278**, 211 (*pharmacol*)
Eckhardt, G., *Org. Mass Spectrom.*, 1979, **14**, 31 (*ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6109.

N-(2-Bromo-2-ethylbutanoyl)urea B-00300

N-(*Aminocarbonyl*)-*2-bromo-2-ethylbutanamide*, *9CI*. *2-Bromo-2-ethylbutyrylurea*, *8CI*. **Carbromal, INN**. (*Bromodiethylacetyl*)*carbamide*. *Tildin*. *Adalin*. *Bromadal*. *Numerous proprietary names*

[77-65-6]

$(H_3CCH_2)_2CBrCONHCONH_2$

$C_7H_{13}BrN_2O_2$ M 237.096

Central depressant; hypnotic. Mp 116-119°. Component of Nocturetten.

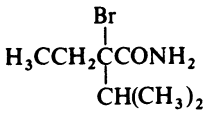
▷YS2975000.

Roehnert, H., *J. Prakt. Chem.*, 1966, **33**, 254 (*synth, pharmacol*)
Beyer, K.H., *Pharm. Ztg.*, 1971, **116**, 1803 (*anal, rev*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 624 (*ms*)
Goenechea, S., *Mikrochim. Acta*, 1972, 276 (*ir*)
Sticht, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1021 (*metab*)
Turczan, J.W., *J. Ass. Off. Anal. Chem.*, 1974, **57**, 893 (*nmr*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Doi, M. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 2183 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4018.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 764 (*synonyms*)

2-Bromo-2-ethyl-3-methylbutyramide, 8CI B-00301

2-Bromo-2-isopropylbutyramide. **Ibrotamide, INN**. *Ibrotalum*. *Neodorm* (*old form*). *Neoprol*. *Vagoprol*

[466-14-8]



$C_7H_{14}BrNO$ M 208.098

(±)-form

Hypnotic and sedative. Cryst. (Et_2O/ligroin) with odour resembling menthol. Sol. most. org. solvents, spar. sol. H_2O. Mp 45-46° (50-51°). Subl. in needles. Aq. solns. react acid. Dec. by boiling H_2O and hot aq. alkalis.

U.S.P., 1 780 131, (*1928*); *CA*, **25**, 1038 (*synth, props*)
Biehler, W. *et al*, *Dtsch. Med. Wochschr.*, 1929, **55**, 56, 57 (*use*)
Girndt, O., *Arch. Exp. Pathol. Pharmakol.*, 1932, **164**, 118 (*use*)
Safir, S.R. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4840 (*synth, pharmacol*)

5-Bromo-2-hydroxy-3-methylbenzoic acid, 9CI B-00302

5-Bromo-2,3-cresotic acid, *8CI*. *5-Bromo-2-hydroxy*-m-*toluic acid*

[36194-82-8]

$C_8H_7BrO_3$ M 231.046

Mp 236°.

Me ester: [40912-71-8].
$C_9H_9BrO_3$ M 245.072
Needles. Mp 109°.

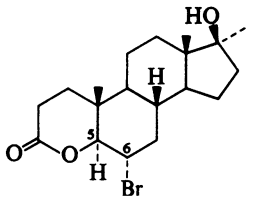
Ac:
$C_{10}H_9BrO_4$ M 273.083
Mp 155°.

Chloride:
$C_8H_6BrClO_2$ M 249.491
Mp 80-85°.

Amide: [40912-73-0]. **Brosotamide, INN**. *5-Bromo-2-hydroxy-3-methylbenzamide*, *9CI*. *5-Bromo*-o-*cresotinamide*.
$C_8H_8BrNO_2$ M 230.061
Psychotropic, anticonvulsant agent. Mp 75-78°.

Borsche, W. *et al*, *Ber.*, 1901, **34**, 2094.
Mouzin, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 629 (*amide, use*)
Audran, M. *et al*, *Int. J. Pharm.*, 1984, **20**, 129 (*amide*)

6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one B-00303



$C_{19}H_{29}BrO_3$ M 385.340

(5α,6α)-form [24543-59-7]

Antiandrogen. Cryst. Mp 226-226.5°. $[\alpha]_D^{25}$ +93° (THF).

▷RN6800500.

(5α,6β)-form [24553-77-3]

Cryst. Mp 163-164°. $[\alpha]_D^{25}$ −9.6° (MeOH).

(5β,6α)-form

Cryst. Mp 192.5-194.5°. $[\alpha]_D^{25}$ −91.1° (THF).

(5β,6β)-form [24543-60-0]

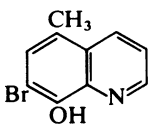
Cryst. Mp 189-192°. $[\alpha]_D^{25}$ −41.5° (THF).

Boris, A. *et al*, *Experientia*, 1970, **26**, 9 (*synth*)
McKechnie, J.S. *et al*, *J. Chem. Soc.* (*B*), 1970, 1476 (*cryst struct*)
Mangan, F.R. *et al*, *Gynecol. Invest.*, 1972, **2**, 300 (*rev*)
Mangan, F.R. *et al*, *Steroids*, 1972, **20**, 331 (*props*)
Wakeling, A.C. *et al*, *J. Steroid Biochem.*, 1981, **15**, 355 (*props*)

7-Bromo-8-hydroxy-5-methylquinoline B-00304

7-Bromo-5-methyl-8-quinolinol, *9CI*, *8CI*. **Tilbroquinol, INN**. *Mebroxine*

[7175-09-9]



$C_{10}H_8BrNO$ M 238.083

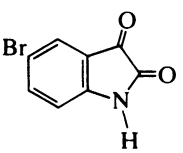
Amoebicide. Mp 160°.

Kapoor, V. *et al*, *Indian J. Chem.*, 1966, **4**, 438 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17008.

5-Bromo-1*H*-indole-2,3-dione, 9CI B-00305

5-Bromoisatin

[87-48-9]



$C_8H_4BrNO_2$ M 226.029

Sedative drug, viricide, bactericide, herbicide. Prisms (EtOH). Mp 251-253°, 255-256°.

▷NL7875000.

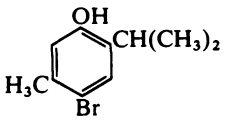
N-*Ac:*
$C_{10}H_6BrNO_3$ M 268.066
Pale-yellow prisms (C_6H_6). Mp 170-172°.
N-*Me:* [2058-72-2].
$C_9H_6BrNO_2$ M 240.056
Orange-red needles. Mp 172-173°.
▷NL7878000.
3-Oxime: [49675-78-7].
$C_8H_5BrN_2O_2$ M 241.044
Pale-yellow needles (EtOH). Mp 240° dec., 255°.
2-Phenylhydrazone: Red cryst. (pentanol). Mp 242-243°.
3-Phenylhydrazone: Yellow needles (EtOH). Mp 271-272°.
3-Thiosemicarbazone: [4553-11-1]. Mp 273-275° dec., 223°.
Dianil: Cryst. (pet. ether). Mp 196-199°.

Heller, G., *Ber.*, 1920, **53**, 1545.
Inagaki, S., *CA*, 1939, **33**, 2516 (*synth*)
Buu-Hoi, N.P., *Recl. Trav. Chim. Pays-Bas*, 1954, **73**, 197 (*synth*)
Baker, A.D. *et al*, *Tetrahedron Lett.*, 1978, 215 (*synth*)

4-Bromo-2-isopropyl-5-methylphenol B-00306

4-Bromo-5-methyl-2-(1-methylethyl)phenol, 9CI. 6-Bromothymol. ***Bromthymol.*** *Killvermyl. Vermella*

[15062-34-7]



$C_{10}H_{13}BrO$ M 229.116
Anthelmintic. Cryst. (pet. ether). Mp 55-56°.
▷XP2610000.
4-Nitrobenzoyl: Cryst. (EtOH). Mp 98-99°.

Jones, B., *J. Chem. Soc.*, 1941, 358 (*synth*)
Cross, J.M. *et al*, *J. Am. Pharm. Assoc.*, 1955, **44**, 637 (*synth, props*)
Buzas, A. *et al*, *Bull. Soc. Chim. Fr.*, 1959, 839 (*synth*)
Croft, K.D. *et al*, *Tetrahedron*, 1981, **37**, 383 (*synth*)

N-(2-Bromo-3-methylbutanoyl)urea B-00307

N-(*Aminocarbonyl*)-*2-bromo-3-methylbutanamide, 9CI.* (*2-Bromo-3-methylbutyryl*)*urea, 8CI.* ***Bromisoval, INN.*** *Bromural. Isoval. Bromisovalum. Numerous proprietary names*

[496-67-3]

$(H_3C)_2CHCHBrCONHCONH_2$

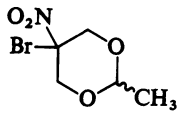
$C_6H_{11}BrN_2O_2$ M 223.069
▷YS3150000.
(+)-***form*** [27109-49-5]
Cryst. Mp 158.5-159.9°. $[\alpha]_D^{20}$ +26°.
(−)-***form*** [27109-48-4]
Cryst. $[\alpha]_D^{20}$ −26°.
(±)-***form*** [66101-52-8]
Central depressant; hypnotic. Needles. Sol. hot H_2O. Mp 147-149°. Sublimes.
▷May be addictive

Senoh, S., *J. Pharm. Soc. Jpn.*, 1951, **71**, 798 (*synth*)
Auterhoff, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1970, **303**, 49 (*synth*)
Drost, R.H. *et al*, *Pharm. Weekbl.*, 1970, **105**, 1129 (*uv*)
Ruecker, G. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1970, **303**, 601 (*ms*)
Goenechea, S., *Mikrochim. Acta*, 1972, 266 (*ir*)
Kaempe, B., *Arch. Pharm. Chem.*, 1974, **81**, 1183 (*glc*)
Turczan, J.W., *J. Assoc. Off. Anal. Chem.*, 1974, **57**, 893 (*nmr*)
Thieleman, H., *Sci. Pharm.*, 1975, **43**, 91 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4013.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 506 (*synonyms*)

5-Bromo-2-methyl-5-nitro-1,3-dioxane, 9CI B-00308

Nibroxane, USAN. *LY 85287*

[53983-00-9]

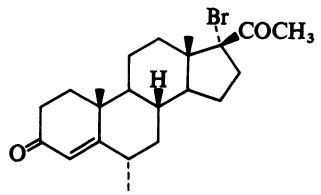


$C_5H_8BrNO_4$ M 226.027
Topical antimicrobial agent. Liq. $Bp_{0.25}$ 72°. Diastereoisomeric mixt.

Lappas, L.C. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1301 (*synth, pharmacol*)
Sullivan, H.R. *et al*, *Xenobiotica*, 1978, **8**, 495 (*metab*)
Milstein, S.R. *et al*, *J. Soc. Cosmet. Chem.*, 1984, **35**, 73 (*synth, use*)

17-Bromo-6-methyl-4-pregnene-3,20-dione B-00309

17-Bromo-6-methylprogesterone



$C_{22}H_{31}BrO_2$ M 407.390
(6α,17α)-***form***
Potent luteoid. Cryst. (Et_2O/hexane). Mp 153-154° dec. $[\alpha]_D^{24}$ +10.2° (c, 1.6 in $CHCl_3$).

Rakhit, S. *et al*, *Can. J. Chem.*, 1963, **41**, 703.

2-Bromo-2-nitro-1,3-propanediol, 9CI, 8CI B-00310

Bronopol, BSI, INN, BAN, JAN. *Bronosol*

[52-51-7]

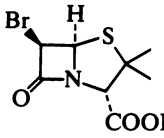
$(HOCH_2)_2CBrNO_2$

$C_3H_6BrNO_4$ M 199.989
Antiseptic. Preservative in cosmetics and toiletries. Cryst. V. sol. H_2O. Mp 130-133°. Slightly hygroscopic.
▷TY3385000.
Di-Ac: [34564-38-0].
$C_7H_{10}BrNO_6$ M 284.063
Liq. Bp_{10} 109°.
Dipropanoyl: [53607-71-9].
$C_9H_{14}BrNO_6$ M 312.117
Liq. $Bp_{0.7}$ 112°.

B.P., 1 193 954, (*1966*); *CA*, **70**, 67161s
Clark, N.G. *et al*, *J. Med. Chem.*, 1974, **17**, 977 (*synth*)
Bryce, D.M. *et al*, *J. Soc. Cosmet. Chem.*, 1978, **29**, 3 (*rev, use*)
Anon, *Med. Actual.*, 1980, **16**, 132 (*rev, pharmacol*)
Elder, R.L., *J. Environ. Pathol. Toxicol.*, 1980, **4**, 47 (*tox*)
Gowda, D.S.S. *et al*, *J. Chem. Phys.*, 1982, **77**, 4666 (*cryst struct*)
Pesticide Manual, 8th Ed., 103.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6636.

6-Bromopenicillanic acid B-00311

6-Bromo-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid



(2*S*,5*R*,6*R*)-*form*

$C_8H_{10}BrNO_3S$ M 280.136

(2*S*,5*R*,6*R*)-*form* [26631-90-3]

Brobactam, INN

β-Lactamase inhibitor. $[\alpha]_D^{20}$ +272° (c, 0.5 in $CHCl_3$). Dec. at 80-100°.

K salt: $[\alpha]_D^{20}$ +253° (c, 0.5 in phosphate buffer).

(2*S*,5*R*,6*S*)-*form* [24138-28-1]

Mp 47-49°.

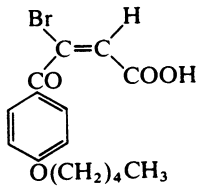
K salt: Needles (EtOH/Et_2O). Mp 214° dec. (sealed tube). $[\alpha]_D^{25}$ +191° (c, 0.58 in MeOH).

Clayton, J.P., *J. Chem. Soc.* (*C*), 1969, 2123 (*synth*)
Loosemore, M.J. *et al*, *J. Org. Chem.*, 1978, **43**, 3611 (*synth*)
Orlek, B.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, 2322 (*synth, props*)
Van Daehne, W., *J. Antibiot.*, 1980, **33**, 451 (*synth, pharmacol*)
Neu, H.C., *Antimicrob. Agents Chemother.*, 1983, **23**, 63 (*pharmacol*)

3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid B-00312

3-Bromo-4-oxo-4-[4-(pentyloxy)phenyl]-2-butenoic acid, 9CI

[24740-92-9]



(*E*)-*form*

$C_{15}H_{17}BrO_4$ M 341.201

(*E*)-*form* [42241-78-1]

cis-*form*. ***Penberol***

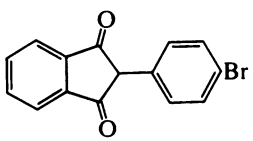
Antineoplastic agent. Cryst. (cyclohexane). Mp 90-95°. Contains about 10% *trans*-isomer.

B.P., 1 195 922, (*1970*); *CA*, **73**, 87643 (*synth, props*)
Zikan, V. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 3106 (*synth*)
Francova, V. *et al*, *Neoplasma*, 1977, **24**, 469 (*pharmacol*)
Spinar, B. *et al*, *Cesk. Farm.*, 1985, **34**, 317, 362 (*metab, glc, ms*)

2-(4-Bromophenyl)-1,3-indanedione, 8CI B-00313

Bromindione, BAN, USAN, INN. p-*Bromdione. Brophenadione. Circladin. Fluidane. Fluidemin. Fluidemol. Halinone. HL 255. MG 2555*

[1146-98-1]



$C_{15}H_9BrO_2$ M 301.139

Anticoagulant. Exists in two forms, dark-red cryst. and white cryst. Mp 142-146°.

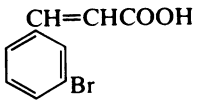
▷NK5150000.

Cavallini, G. *et al*, *Farmaco, Ed. Sci.*, 1955, **10**, 710 (*synth, pharmacol*)
Shapiro, S.L. *et al*, *J. Org. Chem.*, 1960, **25**, 1860 (*synth, bibl*)
Hrnciar, P. *et al*, *Chem. Zvesti*, 1962, **16**, 200; *CA*, **59**, 2731c (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4806.

3-(3-Bromophenyl)-2-propenoic acid, 9CI B-00314

m-*Bromocinnamic acid, 8CI*

[32862-97-8]



$C_9H_7BrO_2$ M 227.057

▷GD8420000.

(*E*)-*form*

trans-*form*

Cryst. (MeCN). Mp 178-179°. pK_a 5.42 (25°, 50% EtOH aq.).

Ethylamide: [58473-74-8]. *3-(3-Bromophenyl)-N-ethyl-2-propenamide, 9CI*. ***Cinromide, USAN, INN***. *BEC. B.W. 122U. Vumide.*

$C_{11}H_{12}BrNO$ M 254.126

Anticonvulsant, anti-epileptic drug.

(*Z*)-*form*

cis-*form*

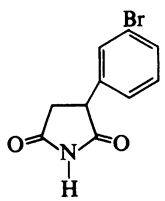
Cryst. (MeCN). Mp 180-180.5°.

Miller, W. *et al*, *Ber.*, 1890, **23**, 1890 (*synth*)
Pandya, K.C. *et al*, *Proc. Indian Acad. Sci., Sect. A*, 1941, **14**, 112 (*synth*)
Fuchs, R. *et al*, *J. Org. Chem.*, 1966, **31**, 3423 (*synth*)
Ger. Pat., 2 535 599, (*1976*); *CA*, **84**, 164492x (*deriv*)
Soroko, F.E. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 741 (*activity*)
Maddox, R.R. *et al*, *Curr. Ther. Res.*, 1982, **32**, 165 (*pharmacol*)
Lane, E.A. *et al*, *J. Pharm. Sci.*, 1983, **72**, 493 (*metab*)

3-(3-Bromophenyl)-2,5-pyrrolidinedione, 9CI B-00315

2-(m-*Bromophenyl*)*succinimide, 8CI*. ***Brosuximide, INN***. *Lefadol*

[22855-57-8]



$C_{10}H_8BrNO_2$ M 254.083

(±)-*form*

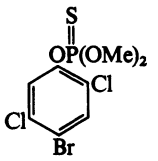
Anticonvulsant, antiepileptic. Mp 131-132°.

Polish Pat., 56 196, (*1968*); *CA*, **71**, 30261u (*synth, tox*)
Fijalkowska, M. *et al*, *Farm. Pol.*, 1971, **27**, 405 (*pharmacol*)
Moreno Gonzalaz, A. *et al*, *Arch. Farmacol. Toxicol.*, 1976, **2**, 23 (*tox, pharmacol*)
Kolwas, J., *Med. Actual.*, 1979, **15**, 223 (*rev*)

Bromophos, BSI **B-00316**

O-(4-Bromo-2,5-dichlorophenyl) O,O-dimethyl phosphorothioate, 9CI. ***Bromofos, INN, JAN.*** *Brofene. Brophene. Nexion. Pluridox. S 1942*

[2104-96-3]



$C_8H_8BrCl_2O_2PS$ M 349.994

Non-systemic agricultural and public health insecticide. Yellowish cryst. V. spar. sol. H_2O, sol. CCl_4, Et_2O, toluene. Mp 53-54°. $Bp_{0.01}$ 140-142°.

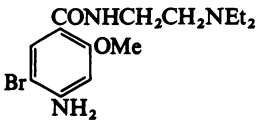
▷*N*-methylating agent for DNA-bases. TE7175000.

B.P., 956 343, (*1961*); *CA*, **60**, 13187a (*synth*)
Eichler, D., *Residue Rev.*, 1972, **41**, 65 (*rev*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Busch, K.L. *et al*, *Appl. Spectrosc.*, 1978, **32**, 388 (*ms*)
Daldrup, T. *et al*, *Fresenius' Z. Anal. Chem.*, 1981, **308**, 413 (*tlc, glc, hplc*)
Stan, H.-J. *et al*, *Biomed. Mass. Spectrom.*, 1982, **9**, 483 (*ms*)
Pesticide Manual, 6th Ed., 52; 7th Ed., 63; 8th Ed., 95.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A043.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Bromopride, INN **B-00317**

4-Amino-5-bromo-N-[2-(diethylamino)ethyl]-2-methoxybenzamide, 9CI. Ablex. Anausine. Emoril. Mepramide. Numerous proprietary names

[4093-35-0]



$C_{14}H_{22}BrN_3O_2$ M 344.251

Sedative; antiemetic. Mp 149°.

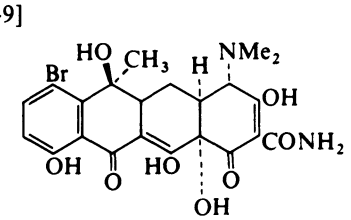
B,2HCl: [4093-36-1]. Mp 134-136°.

Fr. Pat., 1 407 055, (*1965*); *CA*, **63**, 17987f (*synth, pharmacol*)
Topart, J. *et al*, *J. Pharm. Belg.*, 1973, **28**, 633 (*uv, nmr, ir*)
De Angelis, L., *Drugs of Today*, 1978, **14**, 191 (*rev*)
Ger. Pat., 1 793 836, (*1980*); *CA*, **93**, 71324 (*synth*)
Imbs, J. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 503, 509 (*pharmacol*)
Luecker, P.W. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 453 (*pharmacol*)
Brodie, R.R. *et al*, *J. Chromatogr.*, 1984, **310**, 353 (*hplc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3316 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12454.

Bromotetracycline **B-00318**

Bromodechlorotetracycline

[4572-56-9]



$C_{22}H_{23}BrN_2O_8$ M 523.336

Isol. from *Streptomyces aureofaciens* with KBr. Broad spectrum antibiotic. Antiviral agent. Yellow cryst. Mp 170-172°. $[\alpha]_D^{20}$ −196° (0.1N HCl).

▷QI7635000.

Sensi, P. *et al*, *Farmaco, Ed. Sci.*, 1955, **10**, 337, 344 (*isol, struct*)
Doerschuk, A.P. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1508 (*biosynth*)
U.S.P., 3 105 016, (*1963*); *CA*, **59**, 14539 (*isol*)

2-Bromo-1,1,1,2-tetrafluoroethane, 9CI, 8CI **B-00319**

Teflurane, USAN, INN. *Terflurane. Abbott 16900. DA 708*

[124-72-1]

$F_3CCHFBr$

C_2HBrF_4 M 180.928

(±)-form

Inhalatory anaesthetic. Gas. Bp 8°. Nonexplosive, nonflammable.

Rausch, D.A. *et al*, *J. Org. Chem.*, 1963, **28**, 494 (*synth*)
Millar, R.A. *et al*, *Br. J. Anaesth.*, 1970, **42**, 366 (*pharmacol*)
Black, G.W. *et al*, *Int. Anesthesiol. Clin.*, 1971, **9**, 171 (*rev, pharmacol*)
Seyferth, D. *et al*, *J. Organomet. Chem.*, 1975, **92**, 7 (*synth*)

3-Bromo-1,1,2,2-tetrafluoropropane, 9CI **B-00320**

2,2,3,3-Tetrafluoropropyl bromide. ***Halopropane.*** *Tebron. FHD 3*

[679-84-5]

$F_2HCCF_2CH_2Br$

$C_3H_3BrF_4$ M 194.954

Anaesthetic (inhalation). Liq. Bp 74°.

▷TX4170000.

Cohen, W.V., *J. Org. Chem.*, 1961, **26**, 4021 (*synth*)
Virtue, R.W. *et al*, *Anesthesiology*, 1963, **24**, 217 (*pharmacol*)
Stephen, C.R. *et al*, *Anesthesiology*, 1964, **25**, 600 (*pharmacol*)
Meller, A. *et al*, *Monatsh. Chem.*, 1965, **96**, 388 (*synth*)
Bagnall, R.D. *et al*, *J. Fluorine Chem.*, 1979, **13**, 209 (*synth*)

2-Bromo-1,1,2-trifluoro-1-methoxyethane, 9CI **B-00321**

2-Bromo-1,1,2-trifluoroethyl methyl ether, 8CI. ***Roflurane, USAN.*** *DA 893*

[679-90-3]

$MeOCF_2CHBrF$

$C_3H_4BrF_3O$ M 192.963

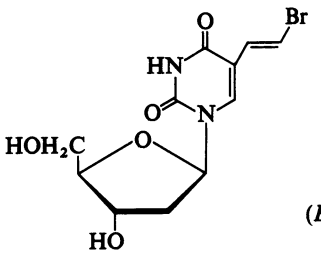
Inhalatory anaesthetic. Bp 89°.

Demiel, A., *J. Org. Chem.*, 1960, **25**, 993 (*synth*)
Speers, L. *et al*, *J. Med. Chem.*, 1972, **15**, 606 (*pharmacol*)

5-(2-Bromovinyl)-2'-deoxyuridine B-00322

5-(2-Bromoethenyl)-2'-deoxyuridine, 9CI. 2'-Deoxy-5-(2-bromovinyl)uridine. ***Brivudine, INN.*** *Bromovinyl deoxyuridine. BVDU*

[82768-44-3]



(*E*)-form

$C_{11}H_{13}BrN_2O_5$ M 333.138

(***E*)-form** [69304-47-8]

Antiviral agent highly active against herpes simplex. Mp 123-125° dec. λ_{max} 253 (ϵ 13 100) and 295 nm (ϵ 10 300).

▷YU7355000.

(***Z*)-form** [77530-02-0]

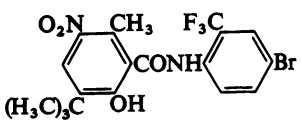
Hemihydrate. λ_{max} 234 (ϵ 11 904) and 295 nm (8 040).

Barr, P.J. *et al, J. Chem. Soc., Perkin Trans. 1*, 1981, 1665 (*synth*)
Jones, A.S. *et al, J. Med. Chem.*, 1981, **24**, 759 (*synth*)
Sim, T.S. *et al, CA*, 1982, **97**, 207422n (*rev*)
Goodchild, J. *et al, J. Med. Chem.*, 1983, **26**, 1252 (*synth, Z and E-forms*)
Robins, M.J. *et al, J. Org. Chem.*, 1983, **48**, 1854 (*synth*)
De Clercq, E. *et al, J. Antimicrob. Chemother.*, 1984, **14**, 85 (*rev, pharmacol*)
De Clercq, E. *et al, Pharmacol. Ther.*, 1984, **26**, 1 (*rev, synth, pharmacol*)
Ashwell, M. *et al, Tetrahedron*, 1987, **43**, 4601 (*synth, props*)
Parkanyi, L. *et al, Nucleic Acids Res.*, 1987, **15**, 4111 (*cryst struct, conformn*)
Reefschlaeger, J. *et al, Pharmazie*, 1987, **42**, 407 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12455.

Bromoxanide, USAN, INN B-00323

N-[4-Bromo-2-(trifluoromethyl)phenyl]-3-(1,1-dimethylethyl)-2-hydroxy-6-methyl-5-nitrobenzamide, 9CI. SKF 61636

[41113-86-4]



$C_{19}H_{18}BrF_3N_2O_4$ M 475.261

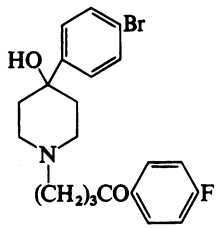
Anthelmintic.

Theodorides, V.J. *et al, Vet. Rec.*, 1974, **95**, 84 (*pharmacol*)
U.S.P., 3 949 075, (*1976*); *CA*, **85**, 32656 (*synth, pharmacol*)

Bromperidol, BAN, USAN, INN B-00324

4-[4-(4-Bromophenyl)-4-hydroxy-1-piperinyl]-1-(4-fluorophenyl)-1-butanone, 9CI. 4-(4-p-Bromophenyl-4-hydroxypiperidino)-4'-fluorobutyrophenone, 8CI. Agostine. Azurene. Bromidol. Consilinon. Impromen. Tesoprel. C-C 2489. R 11333

[10457-90-6]



$C_{21}H_{23}BrFNO_2$ M 420.321

Neuroleptic drug, tranquilliser. Amorph. or microcryst. powder. Mp 155-158°. pK_a 8.6.

Decanoate: [75067-66-2]. *Bromperidol decanoate, USAN. R 46541.*

$C_{31}H_{41}BrFNO_3$ M 574.572

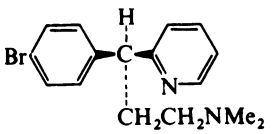
Oil.

Niemegeers, C.J.E. *et al, Arzneim.-Forsch.*, 1974, **24**, 45 (*synth, pharmacol*)
Niemegeers, C.J.E. *et al, Life Sci.*, 1979, **24**, 2201 (*pharmacol*)
Vincent, S.H. *et al, J. Med. Chem.*, 1980, **23**, 75 (*synth, metab*)
Ger. Pat., 3 024 305, (*1981*); *CA*, **94**, 180676x (*synth, decanoate*)
Lucchetti, G., *Riforma Med.*, 1981, **96**, 483; *CA*, **96**, 79219 (*rev, decanoate*)
Dubinsky, B. *et al, Psychopharmacol. (Berlin)*, 1982, **78**, 1 (*rev*)
Tinant, B. *et al, Cryst. Struct. Commun.*, 1982, **11**, 633 (*cryst struct*)
Wong, F.A. *et al, Drug Metab. Dispos.*, 1983, **11**, 301 (*metab*)
Azibi, M. *et al, J. Pharm. Sci.*, 1984, **73**, 512 (*struct*)
Benfield, P. *et al, Drugs*, 1988, **35**, 670 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7009.

Brompheniramine, BAN, INN B-00325

γ-(4-Bromophenyl)-N,N-dimethyl-2-pyridinepropanamine, 9CI. 2-[p-Bromo-α-[2-(dimethylamino)ethyl]-benzyl]pyridine, 8CI. 1-p-Bromophenyl-3-dimethylamino-1,2'-pyridylpropane. Parabromdylamine. p-Bromdylamine. Numerous proprietary names

[86-22-6]



(*S*)-form
Absolute configuration

$C_{16}H_{19}BrN_2$ M 319.244

(***S*)-form** [132-21-8]

Dexbrompheniramine, INN.

Liq. $[\alpha]_D^{25}$ +42.7° (DMF).

Maleate (1:1): [2391-03-9]. *Halin. Dexbrompheniramine maleate, USAN. Disomer.* Antihistamine. Cryst. Mp 103-113°. $[\alpha]_D^{28}$ +34.4° (c, 1.0 in DMF).

▷US4026200.

(±)-***form*** [32188-07-1]

Antihistamine. Oil with amine odour. $Bp_{5.5}$ 172-176°.

Hydrogen maleate: [32865-01-3]. *Dimotaine. Dimetaine. Brompheniramine maleate, USAN.* Mp 133-134.5°. Cryst.

▷US4026000.

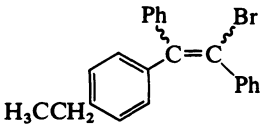
Saijo, S., *J. Pharm. Soc. Jpn.*, 1952, **72**, 1529; *CA*, **47**, 8080i (*synth*)

Bruce, R.B. *et al*, *J. Med. Chem.*, 1968, **11**, 1031 (*synth, tlc, metab*)
Shafi'ee, A. *et al*, *J. Med. Chem.*, 1969, **12**, 266 (*abs config*)
James, M.N.G. *et al*, *J. Med. Chem.*, 1971, **14**, 670 (*cryst struct*)
Fricke, F.L., *J. Assoc. Off. Anal. Chem.*, 1972, **55**, 1162 (*glc*)
Berkoff, C.E. *et al*, *Synth. Commun.*, 1980, **10**, 939 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4002.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6110, 6126.

Broparestrol, INN B-00326

1-(2-Bromo-1,2-diphenylethenyl)-4-ethylbenzene, 9CI. 1-Bromo-2-p-(ethylphenyl)-1,2-diphenylethylene, 8CI. Acnestrol. LN 107. Longestrol. BDPE

[479-68-5]



$C_{22}H_{19}Br$ M 363.296

Drug is a mixt. of *E*- and *Z*-isomers. Oestrogen. Cryst. (glac. AcOH). Mp 89°. Used mainly in dermatology.

(E)-form [22393-62-0]

LN 1643

Antioestrogen. Cryst. (EtOH). Mp 113-114°.

▷KU8522000.

(Z)-form [22393-63-1]

LN 2299

Antioestrogen. Cryst. (EtOH). Mp 111-112°.

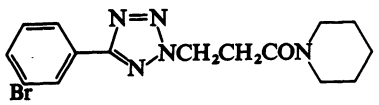
▷KU8522100.

Queval, P. *et al*, *Chim. Ther.*, 1969, **4**, 1 (*pharmacol, synth*)
Fornies-Marquina, J.H. *et al*, *Cryst. Struct. Commun.*, 1972, **1**, 261 (*cryst struct*)
Borgna, J.L. *et al*, *Biochem. Pharmacol.*, 1982, **31**, 3187 (*E-form, pharmacol*)
Jordan, V.C. *et al*, *Mol. Pharm.*, 1984, **26**, 279 (*Z-form, pharmacol*)
Edery, M. *et al*, *Biomed. Pharmacother.*, 1985, **39**, 326 (*E- and Z-forms, pharmacol*)

Broperamole, USAN, INN B-00327

1-[3-[5-(3-Bromophenyl)-2H-tetrazol-2-yl]-1-oxopropyl]piperidine, 9CI. TR 2378

[33144-79-5]



$C_{15}H_{18}BrN_5O$ M 364.244

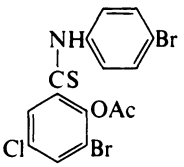
Antiinflammatory drug. Tan needles (Et_2O). Mp 69°.

B.P., 1 319 357, (*1973*); *CA*, **79**, 92231 (*synth, pharmacol*)
Leeling, J. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1109, 1113 (*pharmacol, tox*)

Brotianide, BAN, INN B-00328

2-(Acetyloxy)-3-bromo-N-(4-bromophenyl)-5-chlorobenzenecarbothioamide, 9CI. Salicylanilide 3,4'-dibromo-5-chlorothioacetate, 8CI. Dirian. Bay 4059. FB a4059

[23233-88-7]



$C_{15}H_{10}Br_2ClNO_2S$ M 463.571

Anthelmintic for treatment of liver fluke. Mp 181°.

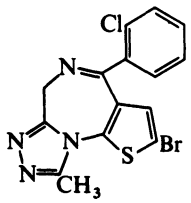
▷VN8230000.

Ger. Pat., 1 793 577, (*1973*); *CA*, **80**, 82449s (*synth*)
Leger, N. *et al*, *Ann. Pharm. Fr.*, 1975, **33**, 273 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12457.

Brotizolam, BAN, INN B-00329

2-Bromo-4-(2-chlorophenyl)-9-methyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine, 9CI. 8-Bromo-6-(2-chlorophenyl)-1-methyl-4H-thieno[3,2-f][1,2,4]-triazolo[4,3-a]diazepine. Ladormin. Lendorm. Lendormin. We 941BS

[57801-81-7]



$C_{15}H_{10}BrClN_4S$ M 393.688

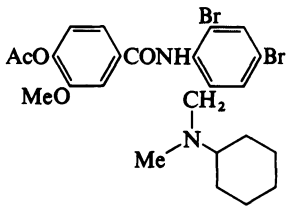
Hypnotic. Cryst. (EtOH). Mp 212-214°.

Weber, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1978, 1257 (*synth*)
Saletu, B. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 700 (*pharmacol*)
Bechtel, W.D. *et al*, *Br. J. Clin. Pharmacol.*, 1983, **16**, 253 (*props*)
Kovar, K.A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1983, **316**, 834 (*cmr*)
Butcher, H. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 265 (*cryst struct*)
Weber, K.H. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 518 (*synth, chem*)
Langley, M.S. *et al*, *Drugs*, 1988, **35**, 104 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12458.

Brovanexine, INN B-00330

4-(Acetyloxy)-N-[2,4-dibromo-6-[(cyclohexylmethylamino)methyl[phenyl]-30-methoxybenzamide, 9CI

[54340-61-3]



$C_{24}H_{28}Br_2N_2O_4$ M 568.304

Mucolytic agent.

▷Induces reversible liver necrosis

B,HCl: [54340-60-2]. *Brovan. Brovaxine. BR-222.* Cryst. (EtOH). Mp 236-239°.

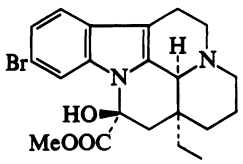
▷CU8702300.

Ger. Pat., 2 440 596, (*1975*); *CA*, **83**, 96779y (*synth, pharmacol*)
Morell, J. *et al*, *Drugs of Today*, 1977, **13**, 179 (*rev, pharmacol*)
Ito, T. *et al*, *Acta Med. Biol. (Niigata)*, 1983, **31**, 33; *CA*, **100**, 150645 (*tox*)

Brovincamine, INN **B-00331**

Methyl 11-bromo-14,15-dihydro-14-hydroxyeburnamenine-14-carboxylate, 9CI. 11-Bromovincamine. Sabromin. BV 26-723

[57475-17-9]



$C_{21}H_{25}BrN_2O_3$ M 433.344

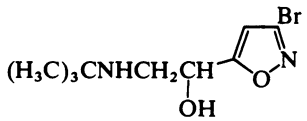
CNS stimulant. Cryst. (2-propanol). Mp 214° dec. $[\alpha]_D^{20}$ +8.7° (c, 1 in $CHCl_3$).

Ger. Pat., 2 458 164, (*1975*); *CA*, **84**, 5229a (*synth*)
Szepesi, G. *et al*, *J. Chromatogr.*, 1981, **205**, 57 (*hplc*)
Mayo, B.C. *et al*, *J. Pharmacobio.-Dyn.*, 1982, **5**, 951 (*metab*)
Katsuragi, T. *et al*, *Gen. Pharmacol.*, 1984, **15**, 43 (*pharmacol*)

Broxaterol, INN **B-00332**

3-Bromo-α-[[(1,1-dimethylethyl)amino]methyl]-5-isoxazolemethanol, 9CI

[76596-57-1]



$C_9H_{15}BrN_2O_2$ M 263.134

(±)-*form*

Bronchodilator, sympathomimetic, uterine relaxant.

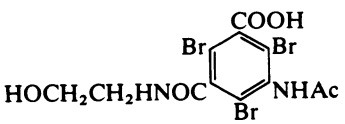
B,HCl: Z 1170. Prisms (MeCN). Mp 185.5°.

Chiarino, D. *et al*, *Farmaco, Ed. Sci.*, 1986, **41**, 440 (*synth, pharmacol*)
Robuschi, M. *et al*, *Curr. Ther. Res.*, 1988, **43**, 725 (*props*)

Broxitalamic acid, INN **B-00333**

3-(Acetylamino)-2,4,6-tribromo-5-[[(2-hydroxyethyl)amino]carbonyl]benzoic acid, 9CI

[86216-41-3]



$C_{12}H_{11}Br_3N_2O_5$ M 502.941

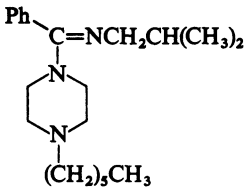
Radiopaque medium (uro-angiographic).

Eur. Pat., 73 715, (*1983*); *CA*, **99**, 70400 (*synth, use*)

Bucainide, INN **B-00334**

N-[(4-Hexyl-1-piperazinyl)phenylmethylene]-2-methyl-1-propanamine, 9CI. 1-Hexyl-4-[[(2-methylpropyl)imino]phenylmethyl]piperazine

[51481-62-0]



$C_{21}H_{35}N_3$ M 329.528

Antiarrhythmic drug, cardiac depressant.

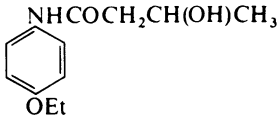
Maleate (1:2): [51481-63-1]. *Bucainide maleate, USAN. USVP-G 233. G 233. RHC-G233.* Mp 175-176°.

U.S.P., 3 793 322, (*1974*); *CA*, **80**, 96018n (*synth, pharmacol*)

Bucetin, BAN, INN **B-00335**

N-(4-Ethoxyphenyl)-3-hydroxybutanamide, 9CI. 3-Hydroxy-p-butyrophenetidide, 8CI. Betadid. Hoechst 15239

[1083-57-4]



$C_{12}H_{17}NO_3$ M 223.271

▷EU0900000.

(±)-*form*

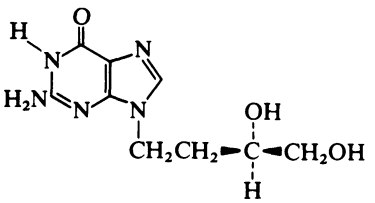
Analgesic. Mp 160°. Weak mutagen, less mutagenic than phenacetin.

U.S.P., 2 830 087, (*1958*); *CA*, **52**, 14662g (*synth*)
Ehrhart, G. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 727 (*pharmacol*)
Shibasaki, J. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 1726 (*metab*)
Nohmi, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 2877 (*tox*)

Buciclovir, INN **B-00336**

2-Amino-9-(3,4-dihydroxybutyl)-1,9-dihydro-6H-purin-6-one, 9CI. DHBG. VIS 707

[83470-64-8]



(*R*)-*form*

$C_9H_{13}N_5O_3$ M 239.233

(*R*)-*form* [86304-28-1]

Antiviral agent. Needles (H_2O). $[\alpha]_D^{21}$ +30.8° (c, 0.25 in H_2O).

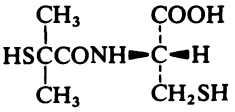
(±)-*form* [86335-00-4]

Needles (H_2O). Mp 260-261°.

Ericson, A.C. *et al*, *Antimicrob. Agents Chemother.*, 1985, **27**, 753 (*pharmacol*)
U.S.P., 4 495 190, (*1985*); *CA*, **102**, 204243 (*synth*)
Stenberg, K. *et al*, *J. Biol. Chem*, 1986, **261**, 2134 (*metab, props*)
Datema, R. *et al*, *Antiviral Res.*, 1987, **7**, 303 (*pharmacol*)

Bucillamine, INN **B-00337**

N-(2-Mercapto-2-methyl-1-oxopropyl)cysteine, 9CI



(R)-form

$C_7H_{13}NO_3S_2$ M 223.305

(R)-form [65002-17-7]

Tiobutarit. DE 019. SA 96

Immunomodulator, antirheumatic. Cryst. (EtOAc). Mp 139-140°. $[\alpha]_D^{25}$ +32.3° (c, 1 in EtOH).

▷HA2420000.

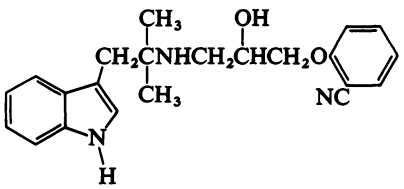
Oya, M. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 940 (*synth, pharmacol*)

Iso, T. *et al*, *Oyo Yakuri*, 1983, **25**, 123 (*pharmacol*)

Bucindolol, BAN, INN **B-00338**

2-[2-Hydroxy-3-[[2-(1H-indol-3-yl)-1,1-dimethylethyl]amino]propoxy]benzonitrile

[71119-11-4]



$C_{22}H_{25}N_3O_2$ M 363.458

α- and β-Adrenoceptor blocking agent, antihypertensive agent.

(±)-form

B,HCl: [70369-47-0]. *Bucindolol hydrochloride, USAN. MG 13105-1.* Mp 185-187°.

Kreighbaum, W.E. *et al*, *J. Med. Chem.*, 1980, **23**, 285 (*synth, pharmacol*)

Deitchman, D. *et al*, *New Drugs Annu.: Cardiovasc. Drugs*, 1983, **1**, 1 (*rev*)

Leger, J.M. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 706 (*cryst struct*)

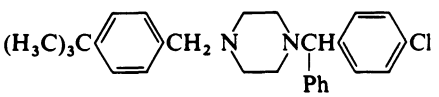
Ger. Pat., 3 333 025, (*1984*); *CA*, **101**, 90757 (*resoln*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12462.

Buclizine, BAN, INN **B-00339**

1-[(4-Chlorophenyl)phenylmethyl]-4-[[4-(1,1-dimethylethyl)phenyl]methyl]piperazine, 9CI. Histabutazine. NSC 25141. Numerous proprietary names

[82-95-1]



$C_{28}H_{33}ClN_2$ M 433.035

Antiemetic drug. $Bp_{0.001}$ 230-240°.

▷TL0260000.

B,2HCl: [129-74-8]. *Buclizine hydrochloride, USAN. Vibazine.* Cryst. Mp 265-266°.

▷TL0280000.

P'an, S.Y. *et al*, *J. Am. Pharm. Assoc.*, 1954, **43**, 653 (*pharmacol*)

Morren, H.G. *et al*, *J. Pharm. Belg.*, 1955, **10**, 239 (*synth, pharmacol*)

Borolossy, A.W., *J. Pharm. Belg.*, 1959, **14**, 423 (*pharmacol*)

Lui, C.-M. *et al*, *CA*, 1965, **62**, 2776a (*synth*)

Pong, S.F., *Diss. Abstr. Int. B*, 1971, **31**, 5532 (*rev*)

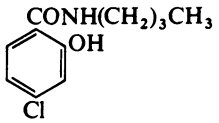
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7663 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6111.

Buclosamide, BAN,INN **B-00340**

N-Butyl-4-chloro-2-hydroxybenzamide, 9CI. N-Butyl-4-chlorosalicylamide, 8CI. Demycin. Fungit. Jadit. Septichen

[575-74-6]



$C_{11}H_{14}ClNO_2$ M 227.690

Fungicide used in topical preps. Cryst. ($CHCl_3$). Sol. EtOH, Et_2O. Mp 90-92°. Used mainly as a mixt. with salicylic acid.

Ellis, G.P. *et al*, *J. Pharm. Pharmacol.*, 1964, **16**, 400 (*synth, pharmacol*)

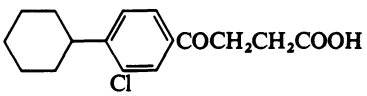
Raab, W., *Arch. Klin. Exp. Dermatol.*, 1968, **231**, 250 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2564.

Bucloxic acid, INN **B-00341**

3-Chloro-4-cyclohexyl-γ-oxobenzenebutanoic acid, 9CI. 3-(3-Chloro-4-cyclohexylbenzoyl)propionic acid, 8CI. Bucloxonic acid

[32808-51-8]



$C_{16}H_{19}ClO_3$ M 294.777

Antiinflammatory drug; analgesic, antipyretic. Mp 90-92°.

▷UE8850000.

Ca salt: [32808-53-0]. *CB 804. Estar. Esfar.*

▷UE8860000.

Gros, P.M. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1385 (*metab*)

Krausz, F. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1360 (*synth, tox*)

Landsmann, F. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1413 (*tox*)

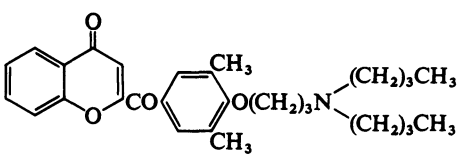
Vindel, J.A. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1378 (*pharmacol, tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2616.

Bucromarone, INN, USAN **B-00342**

2-[4-[3-(Dibutylamino)propoxy]-3,5-dimethylbenzoyl]-chromone, 8CI

[78371-66-1]



$C_{29}H_{37}NO_4$ M 463.616

Antiarrhythmic agent.

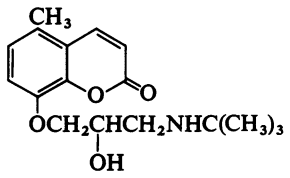
B,HCl: [67652-33-9]. Cryst. (Me_2CO/Et_2O). Mp 100°.

Ger. Pat., 2 800 015, (*1978*); *CA*, **89**, 129403a (*synth, pharmacol*)

Bucumolol, INN **B-00343**

8-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-methyl-2H-1-benzopyran-2-one, 9CI. *8-[3-(tert-Butylamino)-2-hydroxypropoxy]-5-methylcoumarin. Bucumarol. CS-359*

[58409-59-9]



$C_{17}H_{23}NO_4$ M 305.373

▷DJ3025000.

(±)-*form*

β-Adrenergic blocking agent.

B,HCl: [30073-40-6]. Mp 226-228° dec. LD_{50} 676 μg/kg, p.o., 33.1 mg/kg, i.v. in rats.

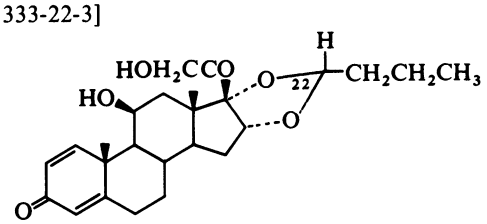
Sato, Y. *et al, Chem. Pharm. Bull.*, 1972, **20**, 905 (*synth, pharmacol*)

Nakayama, K. *et al, Jpn. J. Pharmacol.*, 1979, **29**, 935 (*pharmacol*)

Budesonide, BAN, INN, USAN **B-00344**

16α,17-[Butylidenebis(oxy)]-11β,21-dihydroxy-1,4-pregnadiene-3,20-dione, 9CI. *Budeson. Lisoflam. Nohalon. Prederid. Preferid. Pulmicort. Rhinocort. Spirocort. S 1320*

[51333-22-3]



$C_{25}H_{34}O_6$ M 430.540

Corticosteroid. Mp 221-232° dec. $[\alpha]_D^{25}$ +98.9°. Can be separated chromatographically into C-22 epimers, Mps 225-230° dec. and 236.5-243° dec.

Albertsson, J. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 3027 (*cryst struct*)

Wikby, A. *et al, J. Chromatogr.*, 1978, **157**, 65.

Thalen, A. *et al, Arzneim.-Forsch.*, 1979, **29**, 1687 (*synth, pharmacol*)

Clissold, S.P. *et al, Drugs*, 1984, **28**, 485 (*rev*)

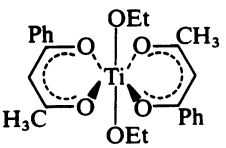
Thalen, A. *et al, Acta Pharm. Suec.*, 1984, **21**, 109, 145 (*synth, pmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12463.

Budotitane, INN **B-00345**

Diethoxybis(1-phenyl-1,3-butanedionato-O,O')-titanium, 9CI

[85969-07-9]



$C_{24}H_{28}O_6Ti$ M 460.362

Antineoplastic agent. Mp 110°.

Ger. Pat., 3 134 709, (*1983*); *CA*, **99**, 16556 (*synth, pharmacol*)

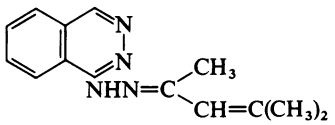
Keppler, B.K. *et al, Arzneim.-Forsch.*, 1986, **36**, 1822 (*pharmacol*)

Bischoff, H. *et al, J. Cancer Res. Clin. Oncol.*, 1987, **113**, 446 (*synth, pharmacol*)

Budralazine, INN, JAN **B-00346**

1(2H)Phthalazinone (1,3-dimethyl-2-butenylidene)-hydrazone, 9CI. *4-Methyl-3-penten-2-one (1-phthalazinyl)hydrazone. Buterazine. DJ-1461*

[36798-79-5]



$C_{14}H_{16}N_4$ M 240.307

Antihypertensive agent. Mp 132-133°.

▷TH8890000.

Ger. Pat., 2 145 359, (*1972*); *CA*, **77**, 5504s (*synth, tox, pharmacol*)

Akashi, A. *et al, Eur. J. Pharmacol.*, 1974, **29**, 161 (*pharmacol*)

Ono, K. *et al, Chem. Pharm. Bull.*, 1974, **22**, 3006 (*metab*)

Moroi, R. *et al, Chem. Pharm. Bull.*, 1976, **24**, 2541.

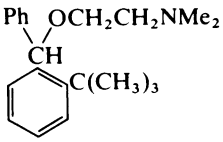
Onodera, T. *et al, Toxicol. Appl. Pharmacol.*, 1978, **44**, 431 (*tox*)

Chiba, T. *et al, Arzneim.-Forsch.*, 1981, **31**, 1080 (*pharmacol*)

Bufenadrine, INN **B-00347**

2-[[2-(1,1-Dimethylethyl)phenyl]phenyl]methoxy-N,N-dimethylethanamine, 9CI. *2-[(o-tert-Butyl-α-phenylbenzyl)oxy]-N,N-dimethylethylamine. B.S. 6534*

[604-74-0]



$C_{21}H_{29}NO$ M 311.466

(±)-*form*

Antiemetic, antihistamine, antiparkinsonian agent.

B,HCl: [5697-60-9]. Mp 152-154°.

▷KQ8560000.

B.P., 1 107 138, (*1967*); *CA*, **68**, 68664d (*synth*)

de Roos, A.M., *Pharm. Weekbl.*, 1967, **102**, 1071, 1302 (*ir, pmr*)

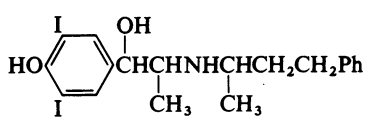
Rekker, R.F. *et al, Recl. Trav. Chim. Pays-Bas*, 1968, **87**, 1099 (*uv*)

Rekker, R.F. *et al, Arzneim.-Forsch.*, 1971, **21**, 688 (*pharmacol*)

Bufeniode, INN **B-00348**

4-Hydroxy-3,5-diiodo-α-[1-[(1-methyl-3-phenylpropyl)amino]ethyl]benzenemethanol, 9CI. *Diiodobuphenine. Proclival. HF 241*

[22103-14-6]



$C_{19}H_{23}I_2NO_2$ M 551.205

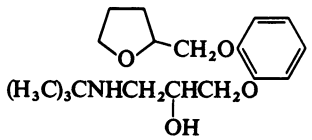
Antihypertensive, vasodilator. Mp 185° (dec., slow heating), Mp 212° (fast heating). Presumably a mixt. of diastereoisomers. Forms EtOH solvate.

B.P., 1 146 139, (*1968*); *CA*, **70**, 87286q (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12464.

Bufetolol, INN **B-00349**

1-[(1,1-Dimethylethyl)amino]-3-[2-[(tetrahydrofuranyl)methoxy]phenoxy]-2-propanol, 9CI. *1-(tert-Butylamino)-3-[o-[(tetrahydrofurfuryl)oxy]-phenoxy]-2-propanol. Bufuronol*



$C_{18}H_{29}NO_4$ M 323.431

(±)-*form* [53684-49-4]

Antiarrhythmic drug, β-adrenergic blocker. $Bp_{0.07}$ 180-186°.

B,HCl: [35108-88-4]. *Bufetolol hydrochloride,* JAN. *Adobiol. Y-6124.* Mp 151-154°. Unstable on exp. to light.

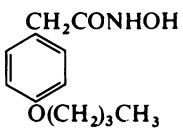
▷UA8500000.

Hashimoto, K. *et al, Experientia,* 1972, **28**, 822 (*pharmacol*)
Nakanishi, M. *et al, J. Med. Chem.,* 1972, **15**, 45 (*synth, pharmacol*)
Nakanishi, M. *et al, Oyo Yakuri,* 1972, **6**, 485 (*tox*)
Yamaguchi, T. *et al, J. Chromatogr.,* 1982, **239**, 609 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6305.

Bufexamac, BAN, INN **B-00350**

4-Butoxy-N-hydroxybenzeneacetamide, 9CI. *2-(p-Butoxyphenyl)acetohydroxamic acid,* 8CI. *Droxaryl. Feximac. Parfenac. Numerous proprietary names*

[2438-72-4]



$C_{12}H_{17}NO_3$ M 223.271

Antiinflammatory, analgesic, antipyretic. Needles (Me_2CO). Insol. H_2O. Mp 153-155°.

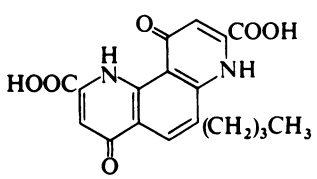
▷AK8280000.

Buu-Hoï, Ng.Ph. *et al, C. R. Hebd. Seances Acad. Sci.,* 1965, **261**, 2259 (*synth, pharmacol*)
Lombardino, J.G. *et al, Arzneim.-Forsch.,* 1975, **25**, 1629 (*pharmacol, props*)
Alhadeff, M., *Drugs of Today,* 1976, **12**, 435 (*rev*)
Wang, C.Y., *Mutat. Res.,* 1977, **56**, 7 (*synth, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 2469 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2618.

Bufrolin, BAN, INN **B-00351**

6-Butyl-1,4,7,10-tetrahydro-4,10-dioxo-1,7-phenanthroline-2,8-dicarboxylic acid, 9CI. *ICI 74917*

[54867-56-0]



$C_{18}H_{16}N_2O_6$ M 356.334

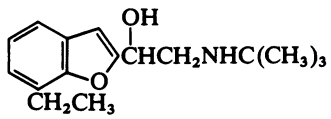
Antiasthmatic, antiallergic. Mp 300° dec. Used mainly as Na salt.

Evans, D.P. *et al, Br. J. Pharmacol.,* 1974, **53**, 409 (*pharmacol*)
Evans, D.P. *et al, Nature (London),* 1974, **250**, 592 (*synth*)
Hall, C.M. *et al, J. Med. Chem.,* 1977, **20**, 1337 (*synth, pharmacol*)
Pickup, M.E. *et al, Br. J. Clin. Pharmacol.,* 1977, **4**, 357 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7722.

Bufuralol, BAN, INN **B-00352**

α-{[(1,1-Dimethylethyl)amino]methyl}-7-ethyl-2-benzofuranmethanol, 9CI. *Angium. Ro 3-4787*

[54340-62-4]



$C_{16}H_{23}NO_2$ M 261.363

▷KK0207500.

(*S*)-*form* [64100-62-5]

Antiarrythmic, β-adrenoceptor blocking agent, local anaesthetic.

B,HCl: [57704-10-6]. Mp 122-123°. $[\alpha]_{365}^{20}$ −136° (c, 1 in EtOH).

(±)-*form* [57704-15-1]

B,HCl: [60398-91-6]. Mp 149-150°.

Fothergill, G.A. *et al, Arzneim.-Forsch.,* 1977, **27**, 978, 1410 (*synth, pharmacol*)
Balant, L. *et al, Pharm. Acta Helv.,* 1978, **53**, 307 (*metab*)
Francis, R.J. *et al, Eur. J. Clin. Pharmacol.,* 1982, **23**, 529 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6306.

Bumadizone, INN **B-00353**

Butylpropanedioic acid mono(1,2-diphenylhydrazide), 9CI. *Butylmalonic acid mono(1,2-diphenylhydrazide),* 8CI. *α-Carboxycaproyl-N,N′-diphenylhydrazine.* N-(*2-Carboxycaproyl*)*hydrazobenzene*

[3583-64-0]

$H_3C(CH_2)_3CH(COOH)CONPhNHPh$

$C_{19}H_{22}N_2O_3$ M 326.394

Degradn. prod. of phenylbutazone.

(±)-*form*

Analgesic, antiinflammatory, antipyretic agent. Cryst. (pet. ether). Mp 117-119°.

Ca salt: [34461-73-9]. *Bumadizone calcium. Bumaflex. Desflam. Dibilan. Eumotol. Exflam. Imotol.*

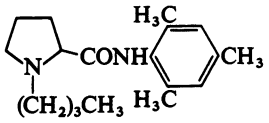
▷OO0624000.

Netherlands Pat., 6 406 412, (*1964*); *CA,* **63**, 14774h (*synth, pharmacol, tox*)
Neville, G.A. *et al, Org. Magn. Reson.,* 1970, **2**, 341 (*nmr*)
Schmid, R.W., *Helv. Chim. Acta,* 1970, **53**, 2239 (*synth, ir, uv*)
Ali, S.L., *Pharm. Ztg.,* 1972, **117**, 383 (*uv, tlc, glc*)
Riedel, R. *et al, Arzneim.-Forsch.,* 1973, **23**, 1215 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2619.

Bumecaine, INN **B-00354**

*1-Butyl-*N*-(2,4,6-trimethylphenyl)-2-pyrrolidinecarboxamide, 9CI. 1-Butyl-2′,4′,6′-trimethyl-2-pyrrolidinecarboxanilide, 8CI*

[30103-44-7]



$C_{18}H_{28}N_2O$ M 288.432

(±)-*form*

Local anaesthetic, antiarrhythmic agent.

B,HCl: [19089-24-8]. *Pyromecaine.* Cryst. (2-propanol). Mp 252-259°.

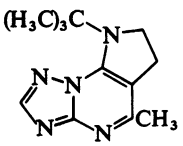
▷UY0360000.

Likhosherstov, A.M. *et al, Khim.-Farm. Zh.*, 1970, **4**, 27 (*synth*)
Pryanishnikova, N.T. *et al, Khim.-Farm. Zh.*, 1971, **5**, 7; 1975, **9**, 59 (*synth, pharmacol, tox*)

Bumedipil, INN **B-00355**

*8-(1,1-Dimethylethyl)-7,8-dihydro-5-methyl-6*H*-pyrrolo[3,2-*e*] [1,2,4]triazolo[1,5-*a*]pyrimidine, 9CI. 8-tert-Butyl-7,8-dihydro-5-methyl-6*H*-pyrrolo[3,2-*e*]-*s*-triazolo[1,5-*a*]pyrimidine. CS 611*

[62052-97-5]



$C_{12}H_{17}N_5$ M 231.300

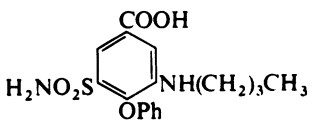
Antihypertensive, coronary vasodilator. Needles (2-propanol aq.). Mp 177-178°.

Sato, Y. *et al, J. Med. Chem.*, 1980, **23**, 927 (*synth, pharmacol*)
Kumakura, S. *et al, Arzneim.-Forsch.*, 1981, **31**, 785 (*pharmacol*)
Motomura, S. *et al, Arzneim.-Forsch.*, 1981, **31**, 1238 (*pharmacol*)
Suh, M.E. *et al, CA*, 1988, **109**, 128938 (*synth*)

Bumetanide, BAN, INN, JAN, USAN **B-00356**

3-(Aminosulfonyl)-5-(butylamino)-4-phenoxybenzoic acid, 9CI. 3-(Butylamino)-4-phenoxy-5-sulfamoylbenzoic acid, 8CI. Burinex. Burine. Numerous proprietary names

[28395-03-1]



$C_{17}H_{20}N_2O_5S$ M 364.415

Diuretic. Cryst. (EtOH aq.). Mp 230-231°.

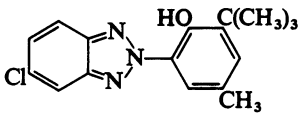
▷DG4910000.

Feit, P.W., *J. Med. Chem.*, 1971, **14**, 432 (*synth*)
Oestergaard, E.H. *et al, Arzneim.-Forsch.*, 1972, **22**, 66 (*pharmacol*)
Feit, P.W., *J. Clin. Pharmacol.*, 1981, **21**, 531 (*numerous papers*)
Ward, A. *et al, Drugs*, 1984, **28**, 426 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2310.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4413.

Bumetrizole, USAN, INN **B-00357**

*2-(5-Chloro-2*H*-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methylphenol, 9CI. 2-*tert*-Butyl-6-(5-chloro-2*H*-benzotriazol-2-yl)-*p*-cresol, 8CI. 5-Chloro-2-(3-tert-butyl-2-chloro-5-methylphenyl)-2*H*-benzotriazole. Tinuvin 326*

[3896-11-5]



$C_{17}H_{18}ClN_3O$ M 315.802

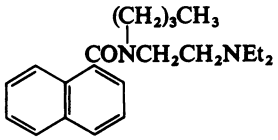
UV screen, light stabiliser for polymers. Mp 140-141°.

Rothstein, E.C., *J. Appl. Polym. Sci.*, 1968, **12**, 1279 (*use*)
Joo, I. *et al, Arch. Dermatol. Forsch.*, 1974, **249**, 13 (*pharmacol*)
Ger. Pat., 2 551 853, (*1976*); *CA*, **85**, 108646j (*synth*)
Rosevear, J. *et al, Aust. J. Chem.*, 1982, **35**, 2089 (*synth*)

Bunaftine, INN **B-00358**

N-*Butyl*-N-[*2-(diethylamino)ethyl*]-*1-naphthalenecarboxamide, 9CI.* N-*Butyl*-N-[*2-(diethylamino)ethyl*]-*1-naphthamide, 8CI. Bunaphtide. Bunamide. Daredan. Meregon. EU 16738*

[32421-46-8]



$C_{21}H_{30}N_2O$ M 326.481

Antiarrhythmic agent. $Bp_{0.1}$ 178°. Used as hydrochloride or citrate.

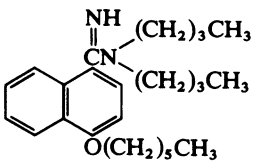
▷QJ1890000.

Giannini, M. *et al, Farmaco, Ed. Sci.*, 1973, **28**, 429 (*synth*)
Boni, P. *et al, Farmaco, Ed. Sci.*, 1974, **29**, 923 (*pharmacol*)
Castellucci, A., *Arzneim.-Forsch.*, 1976, **26**, 241 (*metab*)
Tamargo, J., *Br. J. Pharmacol.*, 1979, **67**, 410P (*pharmacol*)
Flouvet, B. *et al, Therapie*, 1982, **37**, 143 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7782.

Bunamidine, BAN, INN **B-00359**

N,N-*Dibutyl-4-(hexyloxy)-1-naphthalenecarboximidamide, 9CI.* N,N-*Dibutyl-4-hexyloxy-1-naphthamidine, 8CI*

[3748-77-4]



$C_{25}H_{38}N_2O$ M 382.588

Anthelmintic. Veterinary product.

B,HCl: [1055-55-6]. *Bunamidine hydrochloride, USAN. Scolaban. BW 62-415. NSC 106571.* Cryst. (Me_2CO). Mp 216°.

▷QK7134000.

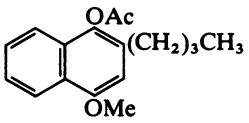
3-Hydroxy-2-naphthoate: [13501-04-7]. *Buban.* Mp 169-170°.

Netherlands Pat., 6 603 570, (*1967*); *CA*, **66**, 37701 (*synth*)
Harfenist, M. *et al, J. Med. Chem.*, 1971, **14**, 87, 97 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12466, 12467.

Bunaprolast, INN **B-00360**

2-Butyl-4-methoxy-1-naphthalenol acetate, 9CI

[99107-52-5]



$C_{17}H_{20}O_3$ M 272.343

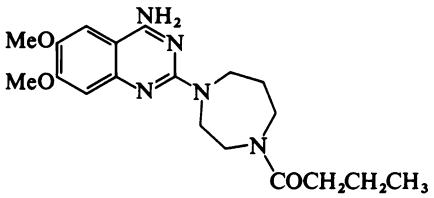
Lipoxygenase inhibitor, antiasthmatic agent. Cryst. (pet. ether). Mp 49°.

Eur. Pat., 146 348, (*1985*); *CA*, **103**, 196418e (*synth, pharmacol*)

Bunazosin, INN **B-00361**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)hexahydro-4-(1-oxobutyl)-1H-1,4-diazepine, 9CI. *1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-butyrylhexahydro-1H-1,4-diazepine. Detantol. E 643*

[80755-51-7]



$C_{19}H_{27}N_5O_3$ M 373.454

Antihypertensive agent.

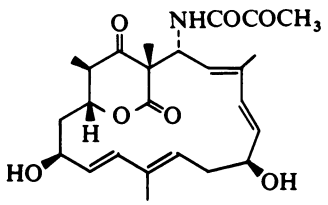
B,HCl: [52712-76-2]. Mp 280-282°.

Shoji, T. *et al, Jpn. J. Pharmacol.*, 1980, **30**, 763 (*pharmacol*)
Yamato, C. *et al, Xenobiotica*, 1982, **12**, 549 (*metab*)
Eur. Pat., 209 089, (*1987*); *CA*, **106**, 162590 (*synth, pharmacol*)

Bundlin *A* **B-00362**

Lankacidin C. *Lankavacidin. Antibiotic T 2636C. A 20338N$_1$. T 2636C. Antibiotic A 20338N$_1$*

[23623-31-6]



$C_{25}H_{33}NO_7$ M 459.538

Prod. by *Streptomyces rochei* var. *volubilis, S. violaceoniger* and *S. griseoflavus*. Active against gram-positive bacteria and weakly against *Piricularia oryzae*. Needles. Mp 205-207° dec. $[\alpha]_D$ −240° (c, 1 in EtOH). λ_{max} 227 nm (ϵ 46 700) (EtOH).

▷UZ0780000.

7-Ac: Mp 203-204° dec.

13-Ac: [23477-98-7]. ***Bundlin* B.** *Sedecamycin, INN, USAN. Lankacidin* A. *Takelan. T 2636A. Antibiotic T 2636A.*

$C_{27}H_{35}NO_8$ M 501.575

From *S. rochei*. Active against gram-positive bacteria. Used in treatment of swine dysentery. Needles. Mp 213-215° dec. $[\alpha]_D$ −235° (c, 1 in EtOH).

▷UZ0800000.

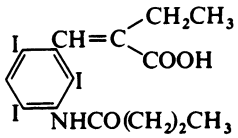
7,13-Di-Ac: Mp 136-140° dec.

Gäumann, E. *et al, Helv. Chim. Acta*, 1960, **43**, 601 (*isol*)
Harada, S. *et al, Tetrahedron Lett.*, 1969, 2239 (*isol*)
Kamiya, K. *et al, Tetrahedron Lett.*, 1969, 2245 (*abs config*)
Uramoto, M. *et al, Tetrahedron Lett.*, 1969, 2249.
Higashide, E. *et al, J. Antibiot.*, 1971, **24**, 1, 13.
Uramoto, M. *et al, Acta Crystallogr., Sect. B*, 1971, **27**, 236 (*cryst struct*)
Harada, S. *et al, Chem. Pharm. Bull.*, 1974, **22**, 99.
Uramoto, M. *et al, J. Am. Chem. Soc.*, 1978, **100**, 3616 (*biosynth*)
Kakinuma, K. *et al, Tetrahedron Lett.*, 1982, **23**, 5303 (*biosynth*)
Japan. Pat., 84 183 695, (*1984*); *CA*, **102**, 165241 (*manuf*)

Buniodyl, BAN **B-00363**

2-[[2,4,6-Triiodo-3-[(1-oxobutyl)amino]phenyl]-methylene]butanoic acid, 9CI. *3-Butyramido-α-ethyl-2,4,6-triiodocinnamic acid,* 8CI. ***Bunamiodyl, INN.*** *Bilioral. Bunaiod. Orabilex. Orabilix. Orablix*

[1233-53-0]



$C_{15}H_{16}I_3NO_3$ M 639.010

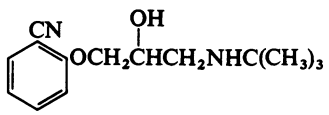
Radiopaque substance used in contrast radiology. Sl. sol. H_2O. Mp 105-120°. Also used as Na salt.

Cassebaum, H. *et al, Pharmazie*, 1961, **16**, 389 (*synth*)
Levenstein, I. *et al, J. Pharm. Sci.*, 1961, **50**, 957 (*pharmacol*)
Sammul, O.R. *et al, J. Off. Assoc. Agr. Chem.*, 1964, **47**, 918 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13244.

Bunitrolol, INN **B-00364**

o-[3-(tert-*Butylamino*)-2-*hydroxypropoxy*]*benzonitrile,* 8CI. *KO 1366. Betrilol. Tilcant*

[34915-68-9]



$C_{14}H_{20}N_2O_2$ M 248.324

▷DI2530000.

(±)-*form*

Antianginal; β-adrenoceptor blocking agent, antiarrhythmic agent.

B,HCl: [23093-74-5]. *Bunitrolol hydrochloride, JAN. Stresson.* Mp 163-165°.

▷DI2540000.

Kimura, T., *Experientia*, 1972, **28**, 813 (*pharmacol*)
Kanda, M. *et al, Oyo Yakuri*, 1975, **9**, 457 (*tox*)
Suzuki, T. *et al, Arzneim.-Forsch.*, 1979, **29**, 1707 (*metab*)
Traunecker, W. *et al, Pharmacol. Antihypertens. Drugs*, 1980, 303 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6307.

Bunolol, INN **B-00365**

5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-3,4-dihydro-1(2H)-naphthalenone, 9CI. *5-[3-(tert-Butylamino)-2-hydroxypropoxy]-3,4-dihydro-1(2H)-naphthalenone,* 8CI. *W 6412A*



$(H_3C)_3CNHCH_2CH(OH)CH_2O$

$C_{17}H_{25}NO_3$ M 291.389

(S)-form [47141-42-4]

Levobunolol, BAN, ***INN***

β-Adrenergic blocker.

B,HCl: [27912-14-7]. *Levobunolol hydrochloride,* USAN. *Betagan. Gotensin. Vistagan. W 7000A.* Mp 209-211°. $[\alpha]_D^{24}$ −19.6° (c, 2.85 in MeOH).

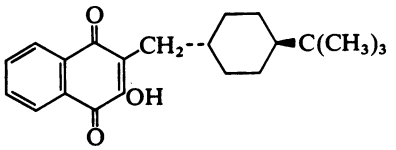
(±)-form [27591-01-1]

B,HCl: [31969-05-8]. *Bunolol hydrochloride,* USAN. Mp 224-226°.

Schwender, C.F. *et al, J. Med. Chem.*, 1970, **13**, 684 (*synth, pharmacol*)
Di Carlo, F.J. *et al, Clin. Pharmacol. Ther.*, 1977, **22**, 858 (*metab*)
Kaplan, H.R., *Pharmacol. Antihypertens. Drugs*, 1980, 317 (*rev, pharmacol*)
Novack, G.D., *Gen. Pharmacol.*, 1986, **17**, 373 (*rev, pharmacol*)
Gonzalez, J.P. *et al, Drugs*, 1987, **34**, 648 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6312.

Buparvaquone, BAN, INN **B-00366**

2-(4-tert-Butylcyclohexylmethyl)-3-hydroxy-1,4-naphthoquinone. BW 720C



trans-form

$C_{21}H_{26}O_3$ M 326.435

trans-form [86790-15-0]

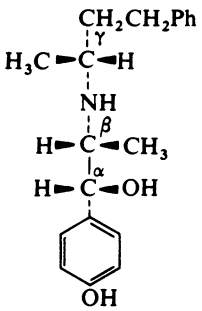
Theilericide (veterinary). Bright-yellow solid. Mp 180-182°.

Eur. Pat., 77 550, (*1983*); *CA*, **99**, 87849 (*synth, pharmacol*)
Hudson, A.T. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 271 (*synth, pharmacol*)

Buphenine, BAN,INN **B-00367**

4-Hydroxy-α-[1-[(1-methyl-3-phenylpropyl)amino]-ethyl]benzenemethanol, 9CI. *Nylidrin. Numerous proprietary names*

[447-41-6]



(+)-erythro-form
Absolute configuration

$C_{19}H_{25}NO_2$ M 299.412

Stereochem. of pharmaceutical prod. not clear from publ. data. Peripheral vasodilator.

B,HCl: [849-55-8]. *Nylidrin hydrochloride,* USAN. *Arlidin. Buphedrin. Perdilatal. SKF 1700A.*

▷DO8300000.

(αS,βR,γR)-form

(+)-erythro-*form*
α-Adrenergic blocker.
Oil, cryst. on seeding. Mp 124.5-125°.
B,HCl: Mp 197.5-199°.

(αR,βS,γS)-form

(−)-erythro-*form*
β-Adrenomimetic agent. Mp 123-124.5°.

(αS,βR,γS)-form

(+)-alloerythro-*form*
Mp 192.5-193°.

(αR,βS,γR)-form

(−)-alloerythro-*form*
Mp 194-195°.

(αRS,βSR,γSR)-form

(±)-erythro-*form*
Mp 110-111°.
B,HCl: Mp 213.5-214.5°.

(αRS,βSR,γRS)-form

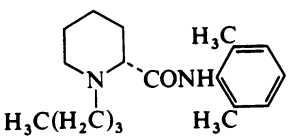
(±)-alloerythro-*form*
Mp 138-140°.
B,HCl: Mp 215-215.5° (209.5-210.5°).

Van Dijk, J. *et al, Recl. Trav. Chim. Pays-Bas*, 1963, **82**, 189 (*stereochem, bibl*)
Reisch, J. *et al, J. Pharm. Pharmacol.*, 1968, **20**, 81 (*ms*)
Yen, T.T. *et al, Res. Commun. Chem. Pathol. Pharmacol.*, 1979, **23**, 11 (*pharmacol*)
Engel, J. *et al, Chem.-Ztg.*, 1980, **104**, 325 (*cmr, config*)
Fichtl, B. *et al, Eur. J. Pharmacol.*, 1980, **65**, 333 (*pharmacol*)
Leger, J.M. *et al, Cryst. Struct. Commun.*, 1981, **10**, 1365 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5392 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9214.

Bupivacaine, BAN, INN **B-00368**

1-Butyl-N-(2,6-dimethylphenyl)-2-piperidinecarboxamide, 9CI. *1-Butyl-2-(2,6-xylylcarbamoyl)piperidine. Bloqueina. Carbostesin. Duracaine. Marcaine. Meaverin-ultra. Narcain. Sensorcaine. Svedocain. AH 2250. LAC 43. Win 11318*

[2180-92-9]



(R)-form
Absolute configuration

$C_{18}H_{28}N_2O$ M 288.432

▷TK6060000.

(R)-form [27262-45-9]

Cryst. $[\alpha]_D^{25}$ +12.7°.

▷TK6080000.

(S)-form [27262-47-1]

Cryst. $[\alpha]_D^{25}$ −12.7°.

▷TK6090000.

(±)-form [38396-39-3]

Local anaesthetic. Cryst. Mp 107-108°.

B,HCl: [14252-80-3]. *Bupivacaine hydrochloride,* USAN, JAN. Cryst. Mp 255-256°.

▷TK6125000.

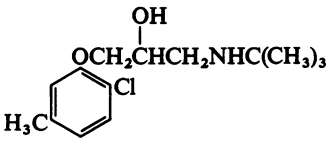
B.P., 869 978, (*1959*) (*synth*)

B.P., 1 180 712, (*1968*); *CA*, **73**, 25314 (*resoln*)
B.P., 1 166 802, (*1969*); *CA*, **72**, 43429 (*synth*)
Tullar, B.F., *J. Med. Chem.*, 1971, **14**, 891 (*resoln*)
Moore, D.C. *et al*, *Acta Anaesthesiol. Scand.*, 1977, **21**, 109 (*rev*)
Wiklund, L., *Acta Anaesthesiol. Scand. Suppl.*, 1978, **70**, 83 (*rev, pharmacol*)
Aps, C. *et al*, *Br. J. Clin. Pharmacol.*, 1978, **6**, 63 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7609.

Bupranolol, INN **B-00369**

1-(2-Chloro-5-methylphenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, 9CI. 1-(tert-*Butylamino)-3-[(6-chloro-*m-*tolyl)oxy]-2-propanol*

[14556-46-8]



$C_{14}H_{22}ClNO_2$ M 271.786

▷UA8430000.

(±)-*form*

Antianginal drug; β-adrenoceptor blocking agent.

B,HCl: [15148-80-8]. *Bupranolol hydrochloride, JAN. KL-255. Betadran. Betadrenol. Looser. Monobeltin. Ophtorenin. Panimit. B1312.* Cryst. Mp 220-222°.

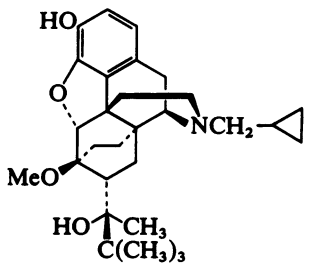
▷UA8451000.

B.P., 1 147 032, (*1969*); *CA*, **70**, 114826z (*synth, tox, pharmacol*)
Waterloh, E. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 153 (*pharmacol*)
Dubost, J.P. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 751 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6309.

Buprenorphine, BAN, INN **B-00370**

17-(Cyclopropylmethyl)-α-(1,1-dimethylethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-α-methyl-6,14-ethenomorphinan-7-methanol, 9CI. Numerous proprietary names

[52485-79-7]



$C_{29}H_{41}NO_4$ M 467.647

Analgesic. Cryst. Mp 209°.

▷KM7757000.

B,HCl: [53152-21-9]. *Buprenorphine hydrochloride, JAN, USAN. Buprenex.*

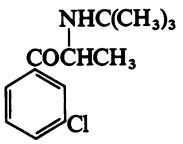
▷KM7758000.

Lewis, J.W. *et al*, *J. Med. Chem.*, 1973, **16**, 12 (*synth*)
Heel, R.C. *et al*, *Drugs*, 1979, **17**, 81 (*rev*)
Owen, R.T., *Drugs of Today*, 1982, **18**, 279 (*rev*)
Budd, K., *Clin. Anaesthesiol.*, 1983, **1**, 147 (*rev*)
Zhang, M. *et al*, *CA*, 1983, **99**, 122723 (*synth*)
Uff, B.C. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 454 (*cmr, config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7803 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6209.

Bupropion, BAN **B-00371**

1-(3-Chlorophenyl)-2-[(1,1-dimethylethyl)amino]-1-propanone, 9CI. 2-(tert-*Butylamino)-3'-chloropropiophenone.* ***Amfebutamone, INN.*** *Wellbatrin. Wellbutrin. BW 323U*

[34911-55-2]



$C_{13}H_{18}ClNO$ M 239.744

Antidepressant. Pale-yellow oil. $Bp_{0.005}$ 52°. Mainly used as hydrochloride.

B,HCl: [31677-93-7]. *Bupropion hydrochloride, USAN.* Cryst. (EtOH/2-propanol). Mp 233-234°.

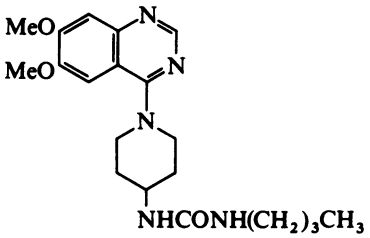
▷UG8858000.

Ger. Pat., 2 059 618, (*1971*); *CA*, **76**, 3551k (*synth, pharmacol*)
Peck, A.W. *et al*, *Br. J. Clin. Pharmacol.*, 1979, **7**, 469 (*pharmacol*)
Maxwell, R.A. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 1 (*rev*)
Bryant, S.G. *et al*, *Clin. Pharm.*, 1983, **2**, 525 (*rev*)
Dufresne, R.L. *et al*, *Drug Intell. Clin. Pharm.*, 1984, **18**, 957 (*rev*)
Suckow, R.F. *et al*, *Drug Metab. Dispos.*, 1986, **14**, 692 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12469.

Buquineran, BAN, INN **B-00372**

N-Butyl-N'-[1-(6,7-dimethoxy-4-quinazolinyl)-4-piperidinyl]urea, 9CI. UK 14275

[59184-78-0]



$C_{20}H_{29}N_5O_3$ M 387.481

Drug used in treatment of heart failure. Cryst. (EtOH). Mp 204-205°.

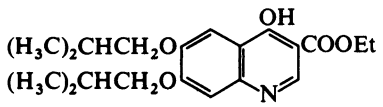
▷YS3812500.

Ger. Pat., 2 530 894, (*1976*); *CA*, **84**, 180265f (*synth*)
Follath, F. *et al*, *Clin. Pharmacol. Ther.*, 1976, **20**, 24 (*pharmacol*)
Alabaster, G. *et al*, *Br. J. Pharmacol.*, 1977, **60**, 284P (*pharmacol*)
Jackson, P.G. *et al*, *Br. J. Clin. Pharmacol.*, 1978, **5**, 7 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12470.

Buquinolate, INN, USAN **B-00373**

4-Hydroxy-6,7-bis(2-methylpropoxy)-3-quinolinecarboxylic acid ethyl ester, 9CI. 4-Hydroxy-6,7-diisobutoxy-3-quinolinecarboxylic acid ethyl ester, 8CI. Antagonal. Bonaid. Butoril. EU 1093. VUFB 4824. U 1093

[5486-03-3]



$C_{20}H_{27}NO_5$ M 361.437

Anticoccidial agent for poultry. Mp 288-291°.

Spencer, C.F. *et al, J. Med. Chem.*, 1966, **9**, 934 (*synth, pharmacol*)
Raines, T.V., *Poultry Sci.*, 1968, **47**, 1425 (*rev*)
Egri, J. *et al, Acta Chim. (Budapest)*, 1972, **73**, 469; **74**, 345, 351 (*synth, pharmacol*)
Harris, N.D., *Synthesis*, 1972, 625 (*synth*)

Buquiterine, INN **B-00374**

2-[(1,1-Dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy-4H-pyrimido[6,1-a]isoquinolin-4-one, 9CI

[76536-74-8]



$C_{18}H_{23}N_3O_3$ M 329.398

Bronchospasmolytic agent.

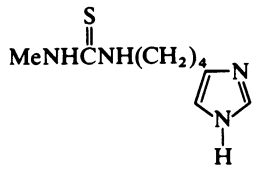
B,HCl: [76536-21-5]. Mp 265-270°.

U.S.P., 4 482 556, (*1984*); *CA*, **102**, 78910 (*synth, props*)

Burimamide **B-00375**

N-[4-(1H-Imidazol-4-yl)butyl]-N'-methylthiourea, 9CI. 1-[4-(4-Imidazolyl)butyl]-3-methyl-2-thiourea. SKF 91923

[34970-69-9]



$C_9H_{16}N_4S$ M 212.312

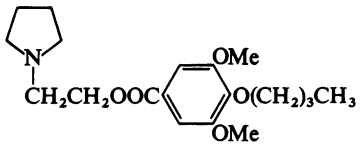
Antihistamine. Cryst. (H_2O). Mp 128-129°.

Kamenar, B. *et al, J. Chem. Soc., Perkin Trans. 2*, 1973, 1734 (*cryst struct*)
Durant, G.J. *et al, J. Med. Chem.*, 1977, **20**, 901 (*synth*)
Tung, R. *et al, J. Immunol.*, 1982, **129**, 2113 (*pharmacol*)
Bianucci, A.M. *et al, Farmaco, Ed. Sci.*, 1984, **39**, 686 (*conformn*)
Black, J.W. *et al, Br. J. Pharmacol.*, 1985, **86**, 581 (*activity*)

Burodiline, INN **B-00376**

2-(1-Pyrrolidinyl)ethyl 4-butoxy-3,5-dimethoxybenzoate, 9CI. Vasopentol

[36121-13-8]



$C_{19}H_{29}NO_5$ M 351.442

Spasmolytic agent.

B,HCl: Mp 122-124°.

Kasztreiner, L.V. *et al, Acta Chim. Acad. Sci. Hung.*, 1967, **51**, 327 (*synth, pharmacol, tox*)

Buserelin, BAN, INN **B-00377**

Luteinizing hormone-releasing factor (pig), 6-[O-(1,1-dimethylethyl)-D-serine]-9-(N-ethyl-L-prolinamide)-10-deglycinamide, 9CI. Hoe 766. S 746766

[57982-77-1]

PyroGlu-His-Trp-Ser-Tyr-D-Ser(Bu^t)-Leu-Arg-Pro-NHEt

$C_{60}H_{86}N_{16}O_{13}$ M 1239.439

Gonadorelin analogue. Pituitary gonadotrophin liberator.

▷OK6690000.

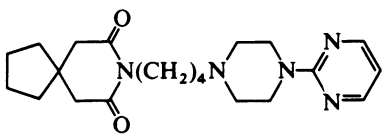
B,AcOH: [68630-75-1]. *Buserelin acetate, USAN. Receptal. Suprefact.*

Ger. Pat., 2 735 515, (*1979*); *CA*, **90**, 210132d (*synth*)
Koch, H., *Drugs of Today*, 1979, **15**, 440 (*rev*)
Klijn, J.G.M. *et al, J. Steroid Biochem.*, 1985, **23**, 867 (*pharmacol*)
Schuiling, G.A. *et al, Front. Horm. Res.*, 1985, **14**, 34 (*pharmacol*)
Sakurai, M. *et al, Oyo Yakuri*, 1987, **33**, 559 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14039.

Buspirone, BAN, INN **B-00378**

8-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione, 9CI. Bespar. Buspar. MJ 9022-1

[36505-84-7]



$C_{21}H_{31}N_5O_2$ M 385.508

Tranquilliser; neuroleptic.

▷CL9910000.

B,HCl: [33386-08-2]. *Buspirone hydrochloride, USAN.* Mp 201.5-202.5°.

▷CL9915000.

Wu, Y.-H. *et al, J. Med. Chem.*, 1972, **15**, 477 (*synth, pharmacol*)
Gammons, R.E. *et al, Am. J. Med.*, 1986, **80**, 41 (*rev, metab*)
Goa, K.L. *et al, Drugs*, 1986, **32**, 114 (*rev*)
Robinson, C.P., *Drugs of Today*, 1987, **23**, 311 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12471.

Busulphan, BAN **B-00379**

1,4-Bis(methanesulfonyloxy)butane. Tetramethylene di(methanesulfonate). ***Busulfan, INN****. Myelosan. Myleran. NSC 750. Other proprietary names*

[55-98-1]

$MeSO_2OCH_2CH_2CH_2CH_2OSO_2Me$

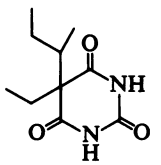
$C_6H_{14}O_6S_2$ M 246.293
Antitumour agent. Needles (MeOH/Me_2CO). Mp 116°.
▷Exp. carcinogen. EK1750000.

Haggis, G.A. *et al*, *J. Chem. Soc.*, 1953, 389 (*synth*)
Criegee, R. *et al*, *Chem. Ber.*, 1956, **89**, 238 (*synth*)
Pomonis, J.G. *et al*, *Org. Mass Spectrom.*, 1973, **7**, 1039 (*ms*)
Bishop, J.B. *et al*, *Mutat. Res.*, 1986, **168**, 15 (*rev, tox*)
Tariq, M. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 53 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 574 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1817.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 594.

Butabarbital, USAN B-00380

5-Ethyl-5-(1-methylpropyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-sec-Butyl-5-ethylbarbituric acid. ***Secbutabarbital, INN.*** *Butisol. Secbutobarbitone, BAN*

[125-40-6]



$C_{10}H_{16}N_2O_3$ M 212.248
Sedative, hypnotic. Bitter-tasting microcryst. powder. Spar. sol. H_2O. Mp 165-168°.
▷CQ1750000.

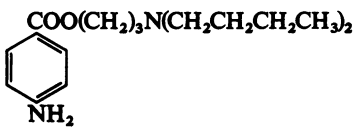
Na salt: [143-81-7]. *Butabarbital sodium, USAN. Busotran. Busodium. Numerous other synonyms.* Bitter powder. V. sol. H_2O, prac. insol. Et_2O.
▷CQ2275000.

U.S.P., 1 856 792, (*1932*)
Block, W. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 949 (*metab*)
Frey, H.H., *Arch. Int. Pharmacodyn.*, 1961, **132**, 164 (*activity, toxicity*)
Gilbert, J.N. *et al*, *J. Pharm. Pharmacol.*, 1975, **27**, 923 (*metab*)
Yang, Z.Y. *et al*, *J. Chromatogr.*, 1985, **324**, 444 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4068, 4069.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1713.

Butacaine, INN B-00381

3-(Dibutylamino)-1-propanol 4-aminobenzoate, 9CI, 8CI. Amolyn. Bucainol. Butaprobenz. Butelline. Butine. Butyn. Optyn

[149-16-6]



$C_{18}H_{30}N_2O_2$ M 306.447
Topical anaesthetic. $Bp_{0.11}$ 178-182°.
▷UB0875000.

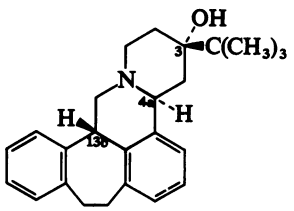
B,HCl: [5892-15-9]. Cryst. (EtOH). Mp 157-158.5°.
2B,H_2SO_4: [149-15-5]. Mp 138.5-139.5° (100-103°). Photosensitive.
▷UB1050000.

Kaye, I.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4762 (*synth*)
Büchi, J. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 297 (*pharmacol, props*)
Moreau, R. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1960, **250**, 2383 (*synth*)
Krantz, J.C., *Kirk-Othmer Encycl. Chem. Technol. 2nd Ed.*, 1963, **2**, 393 (*rev*)
Owen, J.T.R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1972, **55**, 1171 (*cryst struct*)
Guyer, P. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1978 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7610.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 544.

Butaclamol, INN B-00382

3-(1,1-Dimethylethyl)-2,3,4,4,4a,8,9,13b,14-octahydro-1H-benzo[6,7]cyclohepta[1,2,3-de]pyrido[2,1-a]-isoquinolin-3-ol, 9CI

[34061-48-8]



$C_{25}H_{31}NO$ M 361.526
Tranquilliser; neuroleptic agent.

(3R,4aα,13bβ)-form [51152-91-1]
Biol. activity solely due to this isomer.
B,HCl: [55528-08-0]. *Butaclamol hydrochloride, USAN.* Cryst. Mp 304-307°. $[\alpha]_D^{25}$ +218.5° (MeOH aq.).

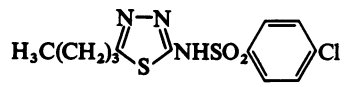
(3RS,4aα,13bβ)-form [36504-93-5]
B,HCl: [36504-94-6]. Cryst. (Me_2CO). Mp 282-284°.

Humber, L.G. *et al*, *J. Med. Chem.*, 1975, **18**, 185; 1979, **22**, 761, 768 (*synth, props*)
Humber, L.G. *et al*, *Mol. Pharmacol.*, 1975, **11**, 833 (*resoln, props*)
Bird, P.H. *et al*, *Can. J. Chem.*, 1976, **54**, 2715 (*cryst struct*)
Voith, K. *et al*, *Can. J. Physiol. Pharmacol.*, 1976, **54**, 551 (*pharmacol*)
Humber, L.G., *Chron. Drug Discovery*, 1982, **1**, 61 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12472.

Butadiazamide, INN B-00383

N-(5-Butyl-1,3,4-thiadiazol-2-yl)-p-chlorobenzenesulfonamide, 8CI

[7007-88-7]



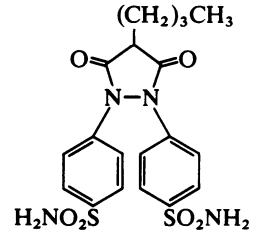
$C_{12}H_{14}ClN_3O_2S_2$ M 331.835
Antidiabetic agent. Mp 129-130°.

B.P., 824 978, (*1959*); *CA*, **54**, 8853i (*synth, pharmacol*)

Butaglionamide B-00384

4,4′-(4-Butyl-3,5-dioxo-1,2-pyrazolidinediyl)-bis[benzenesulfonamide], 9CI. DSB

[2603-23-8]



$C_{19}H_{22}N_4O_6S_2$ M 466.526

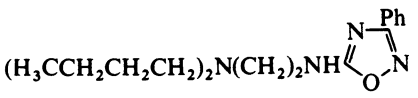
Antiinflammatory agent. Mp 125-130° dec.

Maillard, J., *Compt. Rend.*, 1965, **260**, 5806 (*synth, props*)
Moldaver, B.L. *et al*, *Farmatsiya (Moscow)*, 1984, **33**, 23 (*tautom, props*)

Butalamine, BAN, INN B-00385

N,N-*Dibutyl*-N′-*(3-phenyl-1,2,4-oxadiazol-5-yl)-1,2-ethanediamine, 9CI. 5-[[2-(Dibutylamino)ethyl]amino]-3-phenyl-1,2,4-oxadiazole, 8CI*

[22131-35-7]



$C_{18}H_{28}N_4O$ M 316.445

Peripheral vasodilator. Used mainly as hydrochloride.

B,HCl: [56974-46-0]. *Dibutylimolamine hydrochloride. Adrevil. Hemetrope. Surem. Surheme. LA 1221.* Sol. H_2O, EtOH, $CHCl_3$. Mp 145°.

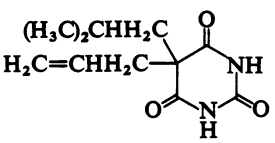
▷RO0685000.

Fr. Pat., M3334, (*1965*); *CA*, **63**, 11575 (*synth*)
Coupar, I.M. *et al*, *J. Pharm. Pharmacol.*, 1969, **21**, 474 (*pharmacol*)
Sterne, J. *et al*, *Therapie*, 1969, **24**, 735, 745 (*pharmacol*)
Japan. Pat., 76 108 068, (*1976*); *CA*, **87**, 5981b (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9215.

Butalbital, USAN, INN B-00386

5-(2-Methylpropyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-isobutylbarbituric acid, 8CI. Allylbarbital. Itobarbital. Sandoptal. Santalgesic. Tetrallobarbital

[77-26-9]



$C_{11}H_{16}N_2O_3$ M 224.259

Sedative. Prisms. Mp 138-139°. Bitter tasting, addictive. Also used as Na salt (Buthalitone sodium, BAN).

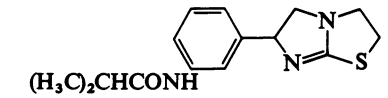
▷CP8750000.

Volwiler, E.H., *J. Am. Chem. Soc.*, 1925, **47**, 2236 (*synth*)
Bjørnebol, J. *et al*, *Chem. Zentralbl.*, 1944, **1**, 1303 (*synth*)
Price, W.C. *et al*, *J. Pharm. Pharmacol.*, 1954, **6**, 522 (*ir, pharmacol*)
Williams, P.P. *et al*, *Anal. Chem.*, 1959, **31**, 140 (*cryst struct*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 584 (*ms*)
Wegener, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 47 (*pharmacol*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1580 (*cmr*)
Siek, J.J. *et al*, *J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Dain, J.G. *et al*, *Drug Metab. Dispos.*, 1980, **8**, 247 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4014.

Butamisole, INN B-00387

2-Methyl-N-[*3-(2,3,5,6-tetrahydroimidazo[2,1-b]-thiazol-6-yl)phenyl]propanamide, 9CI*

[49820-29-3]



$C_{15}H_{19}N_3OS$ M 289.395

(S)-form [54400-59-8]

Vet. anthelmintic.

B,HCl: [54400-62-3]. *Butamisole hydrochloride, USAN. Styquin. CL 206214.* Mp 110-130° (as monohydrate). $[\alpha]_D^{25}$ −114.2° (c, 1.6 in MeOH).

(±)-form [54496-44-5]

Cryst. ($CHCl_3$). Mp 118-120° (monohydrate).

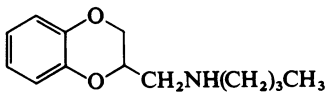
B,HCl: [39842-19-8]. Mp 125-133° (as monohydrate).

Fr. Pat., 2 199 979, (*1974*); *CA*, **82**, 16835 (*resoln, pharmacol*)
U.S.P., 3 989 835, (*1976*); *CA*, **85**, 21360n (*synth, pharmacol*)

Butamoxane, INN B-00388

N-*Butyl-2,3-dihydro-1,4-benzodioxin-2-methanamine, 9CI. N-Butyl-1,4-benzodioxan-2-methylamine, 8CI. 2-(Butylaminomethyl)-1,4-benzodioxane. F 1052*

[4442-60-8]



$C_{13}H_{19}NO_2$ M 221.299

(±)-form

Tranquilliser. Bp_5 145-147°.

B,HCl: [21404-79-5]. Mp 212-214°.

Mndzhoyan, A.L. *et al*, *Arm. Khim. Zh.*, 1968, **21**, 509.
Murphy, P.J. *et al*, *Mol. Pharmacol.*, 1974, **10**, 634 (*metab*)

Butamyrate, BAN B-00389

2-[2-(Diethylamino)ethoxy]ethyl α-ethylbenzeneacetate, 9CI. Abbott 36581. ***Butamirate, INN.*** *Other proprietary names*

[18109-80-3]



$C_{18}H_{29}NO_3$ M 307.432

Antitussive. Liq. Bp_1 140-155°.

Citrate (1:1): [18109-81-4]. *Butamirate citrate, USAN.* Cryst. (Me_2CO). Mp 75°.

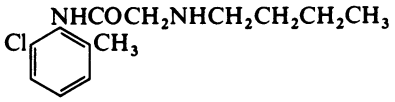
▷ET5960000.

Ger. Pat., 1 151 515, (*1963*); *CA*, **60**, 462 (*synth, pharmacol*)
U.S.P., 3 349 114, (*1967*); *CA*, **68**, 95553 (*synth, pharmacol*)
Yanaura, S. *et al*, *Jpn. J. Pharmacol.*, 1975, **25**, 621 (*props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5039 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5606.

Butanilicaine, BAN, INN **B-00390**

2-Butylamino-N-(2-chloro-6-methylphenyl)acetamide, 9CI. 2-(Butylamino)-6'-chloro-o-acetatoluidide, 8CI. N-Butylaminoacetyl-6-chloro-o-toluidine. Butacetoluide. Hoechst 13233

[3785-21-5]



$C_{13}H_{19}ClN_2O$ M 254.759

Local anaesthetic. Cryst. Mp 45-46°. $Bp_{0.2}$ 140-143°.

B,HCl: [6027-28-7]. Cryst. (EtOH). Mp 236-239°.

▷AN2975000.

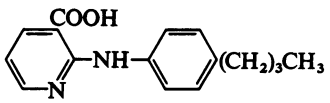
Phosphate (1:1): [2081-65-4]. *Hostacain.* Cryst. Mp 126-127°.

Haussler, A. *et al, Arzneim.-Forsch.*, 1953, **3**, 609 (*synth*)
B.P., 726 080, (*1955*); *CA*, **50**, 4210 (*synth, pharmacol*)
Epstein, E. *et al, J. Am. Chem. Soc.*, 1958, **80**, 1892 (*synth*)
B.P., 942 195, (*1963*); *CA*, **65**, 19941 (*synth*)
Hansson, E., *Int. Encycl. Pharmacol. Ther.*, 1967, **8**, 239 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7611.

Butanixin, INN **B-00391**

2-[(4-Butylphenyl)amino]-3-pyridinecarboxylic acid, 9CI. 2-(p-Butanilino)nicotinic acid

[55285-35-3]



$C_{16}H_{18}N_2O_2$ M 270.330

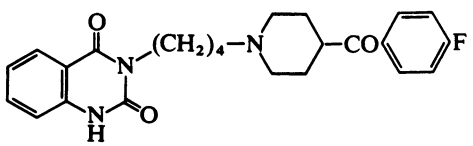
Analgesic, antipyretic, antiinflammatory agent. Mp 171-173°.

Ger. Pat., 2 409.260, (*1975*); *CA*, **82**, 156112s (*synth, pharmacol*)

Butanserin, INN **B-00392**

3-[4-[4-(4-Fluorobenzoyl)-1-piperidinyl]butyl]-2,4(1H,3H)-quinazolinedione, 9CI. R 53393

[87051-46-5]



$C_{24}H_{26}FN_3O_3$ M 423.486

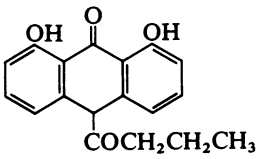
Antihypertensive agent, serotonin antagonist.

Niemegeers, C. *et al, Proc. 14th C.I.N.P. Congress*, Florence, Italy, 1984.
Korstanje, C. *et al, J. Pharm. Pharmacol.*, 1986, **38**, 374 (*pharmacol*)

Butantrone, INN **B-00393**

1,8-Dihydroxy-10-(1-oxobutyl)-9(10H)-anthracenone, 9CI. 10-Butyryl-1,8-dihydroxyanthrone. 10-Butyryldithranol. ORP 469

[75464-11-8]



$C_{18}H_{16}O_4$ M 296.322

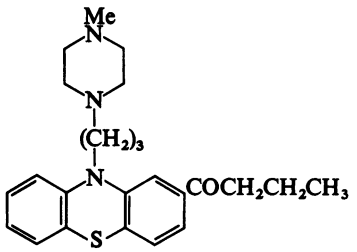
Antipsoriatic. Yellow cryst. Mp 138°.

Finnish Pat., 57 743, (*1980*); *CA*, **93**, 204348 (*synth, pharmacol*)
Mannisto, P.T. *et al, J. Pharmacol. Exp. Ther.*, 1984, **229**, 255 (*tox*)
Ger. Pat., 3 523 231, (*1986*); *CA*, **105**, 6323 (*synth*)

Butaperazine, INN, USAN **B-00394**

1-[10-[3-(4-Methyl-1-piperazinyl)propyl]-10H-phenothiazin-2-yl]-1-butanone, 9CI, 8CI. Repoise. Tyrylen

[653-03-2]



$C_{24}H_{31}N_3OS$ M 409.588

Tranquilliser. $Bp_{0.05}$ 270-280°.

▷EL9190000.

Maleate: [10213-91-9]. Mp 180-182°.

Dimaleate: [1063-55-4]. *Butaperazine maleate, USAN. Randolectil.* Mp 139-140°.

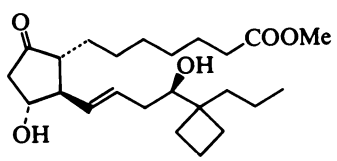
▷EL9200000.

Wirth, W. *et al, Arch. Int. Pharmacodyn.*, 1958, **115**, 1; 1959, **123**, 78 (*pharmacol*)
Ger. Pat., 1 120 451, (*1961*); *CA*, **57**, 4677c (*synth*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)
Kracmar, J. *et al, Pharmazie*, 1968, **23**, 651 (*uv*)
Davis, J.M. *et al, Adv. Biochem. Psychopharmacol.*, 1974, **9**, 433 (*metab*)
Blazek, J. *et al, Cesk. Farm.*, 1975, **24**, 174 (*ir*)
Pawelczyk, E. *et al, Pol. J. Pharmacol. Pharm.*, 1978, **30**, 731 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7145 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7010, 7011.

Butaprost, BAN, USAN, INN **B-00395**

3-Hydroxy-2-[4-hydroxy-4-(1-propylcyclobutyl)-1-butenyl]-5-oxocyclopentaneheptanoic acid methyl ester, 9CI. BAY. TR 4979

[69648-38-0]



$C_{24}H_{40}O_5$ M 408.577

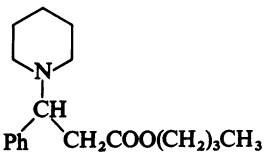
Bronchodilator. $[\alpha]_D$ −56.0° (c, 1.01 in $CHCl_3$).

U.S.P., 4 132 738, (*1979*); *CA*, **90**, 151668 (*synth, pharmacol*)
Gardiner, P.J., *Br. J. Pharmacol.*, 1986, **87**, 45 (*pharmacol*)

Butaverine, INN **B-00396**

Butyl β-phenyl-1-piperidinepropanoate, 9CI. Butyl 3-phenyl-3-(1-piperidyl)propionate. Butyl β-piperidinohydrocinnamate. Butamiverine

[55837-14-4]



$C_{18}H_{27}NO_2$ M 289.417

(±)-*form*

Spasmolytic agent.

B,HCl: [17824-89-4]. *Espasmo-Gemora. Gemora.* Mp 170°.

Pollard, C.B. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 4089 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12473.

Butedronic acid, INN **B-00397**

(Diphosphonomethyl)butanedioic acid, 9CI. 2,3-Dicarboxy-1,1-propanediphosphonic acid. DPD. Teceos

[51395-42-7]

$HOOCCH_2CH(COOH)CH[P(O)(OH)_2]_2$

$C_5H_{10}O_{10}P_2$ M 292.076

(±)-*form*

Diagnostic aid. Stabiliser for photographic colour developers. Cryst. + $1H_2O$. Mp 149.5°.

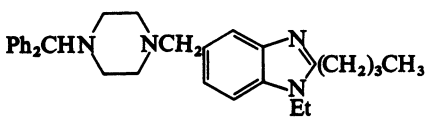
Hexa-Et ester: [51464-80-3].
Diethyl[bis(diethoxyphosphinyl)methyl]butanedioate.
$C_{17}H_{34}O_{10}P_2$ M 460.397
$Bp_{0.05}$ 197-213°.

Worms, K.H. *et al*, *Z. Anorg. Allg. Chem.*, 1979, **457**, 219 (*synth*)
McAfee, J.G. *et al*, *Invest. Radiol.*, 1983, **18**, 479 (*activity*)
Mele, M. *et al*, *J. Nucl. Med.*, 1983; **24**, 334 (*metab*)

Buterizine, USAN, INN **B-00398**

2-Butyl-5-[[4-(diphenylmethyl)-1-piperazinyl]methyl]-1-ethyl-1H-benzimidazole, 9CI. R 38198

[68741-18-4]



$C_{31}H_{38}N_4$ M 466.668
Peripheral vasodilator. Mp 125°.

Ger. Pat., 2 813 523, (*1978*); *CA*, **90**, 54975y (*synth, pharmacol*)

Butethamate, BAN **B-00399**

2-(Diethylamino)ethyl α-ethylbenzeneacetate, 9CI. 2-Diethylaminoethyl 2-phenylbutyrate, 8CI. ***Butetamate, INN***

[14007-64-8]

$H_3CCH_2CH(Ph)COOCH_2CH_2NEt_2$

$C_{16}H_{25}NO_2$ M 263.379

(±)-*form*

Antispasmodic agent. Yellow oil. Bp_{10} 167-169°, $Bp_{0.04}$ 95-100°.

B,HCl: Cryst. Mp 115-116°.

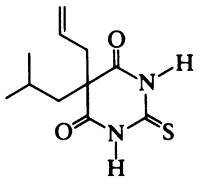
Citrate: Phenetin. Abuphenine. Convenil. Hirkan. Nonkodine. HH 105. Cryst. (EtOH). Mp 109-110°.

Swiss Pat., 291 375, (*1953*); *CA*, **49**, 2505 (*synth*)
Di Paco, G. *et al*, *Farmaco, Ed. Sci.*, 1956, **11**, 540 (*synth, pharmacol*)
Fleisch, A. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 1119 (*pharmacol*)
Ritschel, W.A., *Sci. Pharm.*, 1965, **33**, 101 (*pharmacol*)
Swiss Pat., 418 352, (*1967*); *CA*, **67**, 73385
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2045.

Buthalital **B-00400**

Dihydro-5-(2-methylpropyl)-5-(2-propenyl)-2-thioxo-4,6(1H,5H)-pyrimidinedione, 9CI. 5-Allyl-5-isobutyl-2-thiobarbituric acid. Bayinal. Baytinal. Thialbutal. Ulbreval. Other synonyms

[468-65-5]



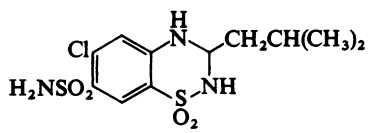
$C_{11}H_{16}N_2O_2S$ M 240.320
Also used as Na salt (Buthalital sodium, INN). Ultrashort acting anaesthetic. Mp 180°.

Gruhzit, O.M. *et al*, *J. Pharmacol.*, 1937, **60**, 125 (*synth, pharmacol*)
U.S.P., 2 153 712, (*1939*); *CA*, **33**, 5599 (*synth*)
Frey, H.H. *et al*, *Arch. Int. Pharmacodyn.*, 1959, **118**, 12 (*metab*)
Barron, D.W. *et al*, *Br. J. Anaesth.*, 1966, **38**, 802; 1967, **39**, 24 (*pharmacol*)
Gruetzmacher, H.F. *et al*, *Tetrahedron Lett.*, 1966, 1365 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2086.

Buthiazide, USAN **B-00401**

6-Chloro-3,4-dihydro-3-(2-methylpropyl)-(2H)-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. 6-Chloro-3,4-dihydro-3-isobutyl-7-sulfamoyl-1,2,4(2H)-benzothiadiazine 1,1-dioxide, 8CI. ***Butizide, INN.*** *Thiabutazide. Isobutylhydrochlorothiazide. Eunephran. Hydrochlobuthiazide. Saltucin. Ufrix. SU 6187. S 350*

[2043-38-1]



$C_{11}H_{16}ClN_3O_4S_2$ M 353.838

(±)-*form*

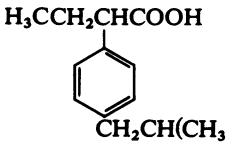
Diuretic, antihypertensive agent. Mp 241-245° (228°).

Werner, L.H. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1161 (*synth, pharmacol*)
Topliss, R. *et al*, *J. Org. Chem.*, 1961, **26**, 3842 (*synth, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2311.

Butibufen, INN **B-00402**

α-Ethyl-4-(2-methylpropyl)benzeneacetic acid, 9CI. *2-(p-Isobutylphenyl)butyric acid. 2-[4-(2-Methylpropyl)-phenyl]butanoic acid. Sogain*

[55837-18-8]



$C_{14}H_{20}O_2$ M 220.311

Analgesic, antiinflammatory agent. Mp 51-53°.

▷ET5030000.

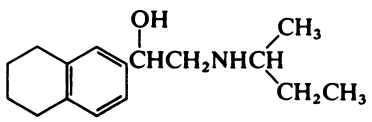
Na salt: Cryst. (2-propanol). Mp 188-190°.

Ger. Pat., 2 505 813, (*1976*); *CA*, **85**, 159695g (*synth, pharmacol*)
Aparicio, L., *Arch. Int. Pharmacodyn. Ther.*, 1977, **227**, 130 (*pharmacol*)
Revilla De Granda, R. *et al*, *An. R. Acad. Farm.*, 1977, **43**, 419 (*pharmacol, glc*)
Carretero, J.M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1978, **13**, 77 (*synth, pharmacol, ir, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12475.

Butidrine, INN **B-00403**

5,6,7,8-Tetrahydro-α-[[(1-methylpropyl)amino]-methyl]-2-naphthalenemethanol, 9CI. *α-[(sec-Butylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalene-methanol,* 8CI. *Betabloc. Butydrine. Hydrobutamine. Idrobutamine. Recetan*

[7433-10-5]



$C_{16}H_{25}NO$ M 247.380

β-Adrenergic blocker.

B,HCl: [1506-12-3]. Mp 129-130°.

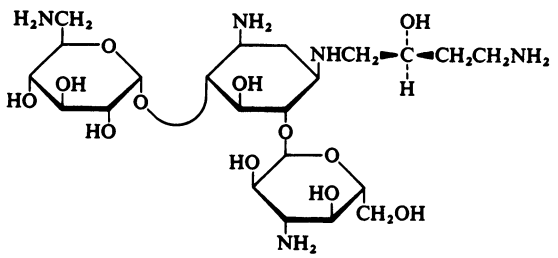
▷QJ9380000.

Ferrai, G. *et al*, *Boll. Chim. Farm.*, 1964, **103**, 32 (*synth*)
Fr. Pat., 1 390 056, (*1965*), *CA*, **62**, 16162d (*synth*)
Marchetti, G. *et al*, *Boll. Chim. Farm.*, 1966, **105**, 726 (*pharmacol*)
Ferrini, R. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 829 (*pharmacol*)
Howe, R., *J. Med. Chem.*, 1968, **11**, 1000 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12476.

Butikacin, BAN, INN, USAN **B-00404**

1-N-[(S)-4-Amino-2-hydroxybutyl]kanamycin A. *UK 18892. Antibiotic UK 18892*

[59733-86-7]



$C_{22}H_{45}N_5O_{12}$ M 571.624

Aminoglycoside antibiotic. Semisynthetic. Active against a wide range of pathogenic bacteria, including many gentimicin-resistant strains.

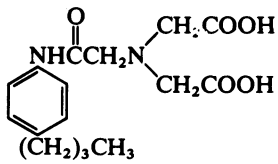
Sulfate salt: [68779-22-6]. Highly active against aminoglycoside resistant bacteria.

Ger. Pat., 2 547 738, (*1976*); *CA*, **85**, 33368 (*synth*)
Richardson, K. *et al*, *J. Antibiot.*, 1977, **30**, 843 (*synth, props*)
Wise, R. *et al*, *Antimicrob. Agents Chemother.*, 1978, **14**, 228 (*use*)
Jevons, S. *et al*, *Antimicrob. Agents Chemother.*, 1978, **14**, 277 (*use*)
Kendall, M.J. *et al*, *J. Antimicrob. Chemother.*, 1978, **4**, 459 (*pharmacol*)
Coleman, M.W. *et al*, *J. Antibiot.*, 1979, **32**, 355 (*cmr*)

Butilfenin, USAN, INN **B-00405**

N-[2-[(4-Butylphenyl)amino]-2-oxoethyl]-N-(carboxymethyl)glycine, 9CI. *p-BIDA*

[66292-52-2]



$C_{16}H_{22}N_2O_5$ M 322.360

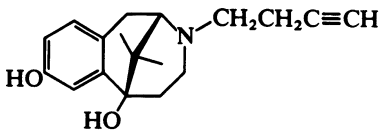
Diagnostic aid (hepatic function determination). Cryst. (EtOH aq.). Mp 206.5-207.5°.

Best, M.P. *et al*, *J. Aust. Chem.*, 1982, **35**, 2371 (*synth, pmr, ir, ms*)
Zmbouq, B. *et al*, *Int. J. Appl. Radiat. Isot.*, 1985, **36**, 389 (*synth, use*)

Butinazocine, INN **B-00406**

3-(3-Butynyl)-2,3,4,5-tetrahydro-11,11-dimethyl-2,6-methano-3-benzazocine-6,8(1H)-diol, 9CI

[93821-75-1]



$C_{18}H_{23}NO_2$ M 285.385

Analgesic.

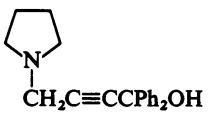
B,HCl: [79810-24-5]. Mp 235-237°.

Eur. Pat., 28 717, (*1981*); *CA*, **96**, 35612 (*synth, pharmacol*)

Butinoline, INN **B-00407**

α-Phenyl-α-[3-(1-pyrrolidinyl)-1-propynyl]-benzenemethanol, 9CI. *1,1-Diphenyl-4-(1-pyrrolidinyl)-2-butyn-1-ol,* 8CI. *Azulone*

[968-63-8]



$C_{20}H_{21}NO$ M 291.392

Antispasmodic, anticholinergic, antiinflammatory agent. Mp 51-53°.

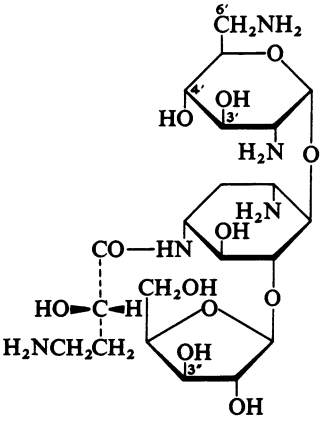
Phosphate: [54118-66-0]. Mp 175-180°.

Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*props*)
Aparicio, L., *Arch. Int. Pharmacodyn. Ther.*, 1977, **227**, 130 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12477.

Butirosin *A* B-00408

Ambutyrosin A, *8CI*. ***Butirosin, INN***. *Ambutyrosin. CI 642*

[34291-02-6]



$C_{21}H_{41}N_5O_{12}$ M 555.581

Major component of the aminoglycoside antibiotic complex Butirosin (80-85%). The pharmaceutical prod. is a mixt. of Butirosins *A* and *B* [12772-35-9]. The H_2SO_4 salt of the complex has Mp ~225° dec., $[\alpha]_D^{25}$ + 29° (c, 2 in H_2O). Isol. from strains of *Bacillus circulans* (NRRL B-3312 and B-3313). Broad spectrum antibiotic. Amorph. solid. Mp >149° (broad Mp). $[\alpha]_D^{25}$ +26° (c, 1.46 in H_2O). Melts over wide range beginning at ca. 149°.

▷WK2302000.

3″-Epimer: [34291-03-7]. ***Butirosin* B**. *Ambutyrosin* B, *8CI*.

$C_{21}H_{41}N_5O_{12}$ M 555.581

Minor component of the Butirosin complex from *B. circulans*. Broad-spectrum antibiotic. Amorph. solid + $2H_2O$. Mp >146° (broad range). $[\alpha]_D^{25}$ +33° (c, 1.5 in H_2O).

▷BE0186000.

4′-Deoxy: [52760-38-0]. ***Butirosin BU 1975C1***. *BU 1975*C_1. *Antibiotic BU 1975*C_1.

$C_{21}H_{41}N_5O_{11}$ M 539.582

Isol. from *B. circulans*. Has antibiotic props. Amorph. solid.

▷WK2400000.

4′-Deoxy; B,H_2SO_4: Mp 245-247° dec. $[\alpha]_D^{21}$ +24.5° (c, 1 in H_2O).

4′-Deoxy, 3″-epimer: [53185-10-7]. ***Butirosin BU 1975C2***. *4′-Deoxybutirosin* B. *BU 1975*C_2. *Antibiotic BU 1975*C_2.

$C_{21}H_{41}N_5O_{11}$ M 539.582

Isol. from *B. circulans*. Has antibiotic props. Amorph. solid.

3′,4′-Dideoxy: [53318-76-6]. *3′,4′-Dideoxybutirosin* A.

$C_{21}H_{41}N_5O_{10}$ M 523.582

Isol. from *B. circulans* incubated with 3,4-dideoxyneamine. Active against both butirosin-sensitive and butirosin-resistant bacterial strains.

3′,4′-Dideoxy; B,H_2CO_3: Monohydrate. Mp 195-200° dec. $[\alpha]_D^{25}$ +25° (c, 0.4 in H_2O).

3′-Deoxy, 3′-chloro: [57322-54-0]. ***3′-Chloro-3′-deoxybutirosin* A**.

$C_{21}H_{40}ClN_5O_{11}$ M 574.027

Isol. from *B. circulans* incubated with 3′-chloroneamine.

3′,4′-Dideoxy, 3″-epimer: [42242-66-0]. *3′,4′-Dideoxybutirosin* B.

$C_{21}H_{41}N_5O_{10}$ M 523.582

Isol. from *B. circulans* in the presence of 3,4-dideoxyneamine. Shows antibiotic activity comparable with that of Butirosin *B*. $[\alpha]_D^{16}$ +25° (c, 1.8 in H_2O).

3′,4′-Dideoxy, 3″-epimer; B,H_2CO_3: Monohydrate. Mp 190-195° dec. $[\alpha]_D^{25}$ +32.0° (c, 0.4 in H_2O).

6′-Deamino, 6′-hydroxy: [54333-82-3]. ***Butirosin BU 1709E1***. *BU 1709*E_1. *Antibiotic BU 1709*E_1.

$C_{21}H_{40}N_4O_{13}$ M 556.566

Isol. from *B. circulans*. Shows broad-spectrum antibiotic activity. Amorph. powder. $[\alpha]_D$ +28° (c, 1.47 in H_2O). Indefinite Mp.

▷WK2125000.

6′-Deamino, 6′-hydroxy, 3″-epimer: [66749-41-5]. ***Butirosin 1709E2***. *BU 1709*E_2. *Antibiotic BU 1709*E_2.

$C_{21}H_{40}N_4O_{13}$ M 556.566

Isol. from *B. circulans*. Shows broad-spectrum antibacterial activity. Amorph. powder. $[\alpha]_D$ +33° (c, 1.30 in H_2O).

*3′,4′-Dideoxy, 6′-*N*-Me:* [64981-62-0]. *3′,4′-Dideoxy-6′-*N*-methylbutirosin* A.

$C_{22}H_{43}N_5O_{10}$ M 537.609

Isol. from *B. circulans* in presence of 3′,4′-dideoxy-6′-*N*-methylneamine. Active against gram-positive and -negative bacteria.

*3′,4′-Dideoxy, 6′-*N*-Me; B,*$2H_2CO_3$: Dihydrate. Mp 175-178° dec. $[\alpha]_D^{25}$ +20.7° (c, 0.3 in H_2O).

*3′,4′-Dideoxy, 6′-*N*-methyl, 3″-epimer:* [65025-70-9]. *3′,4′-Dideoxy-6′-*N*-methylbutirosin* B.

$C_{22}H_{43}N_5O_{10}$ M 537.609

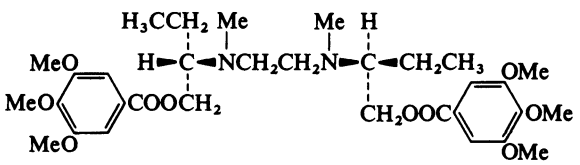
Isol. from *B. circulans* in presence of 3,4-dideoxy-6-*N*-methylneamine. Shows broad-spectrum activity, slightly less than Butirosin *A*.

*3′,4′-Dideoxy, 6′-*N*-Me, 3″-epimer; B,*H_2CO_3: Amorph. powder + $2H_2O$. Mp 190-195° dec. $[\alpha]_D^{25}$ +25.2° (c, 0.5 in H_2O).

Woo, P.W.K. *et al*, *Tetrahedron Lett.*, 1971, 2617, 2621, 2625 (*ms, ir, struct*)
Dion, H.W. *et al*, *Antimicrob. Agents Chemother.*, 1972, **2**, 84 (*isol, struct*)
Akita, E. *et al*, *J. Antibiot.*, 1973, **26**, 365 (*synth, ir, pmr*)
Tsukiura, H. *et al*, *J. Antibiot.*, 1973, **26**, 386; 1979, **32**, 18 (*derivs*)
Ikeda, D. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 3136 (*synth, nmr, derivs*)
Kawaguchi, H. *et al*, *J. Antibiot.*, 1974, **27**, 460 (*derivs*)
Kanishi, M. *et al*, *J. Antibiot.*, 1974, **27**, 471 (*struct, derivs*)
Saeki, H. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1145; 1975, **25**, 2089 (*synth, pmr, derivs*)
Japan. Pat., 76 01 694; 76 80 839, (*1976*); *CA*, **85**, 3876, 16913 (*deriv*)
Takeda, K. *et al*, *J. Antibiot.*, 1978, **31**, 247, 1023, 1031 (*derivs*)
Takeda, K. *et al*, *J. Antibiot.*, 1978, **31**, 250 (*biosynth*)

Butobendine, INN B-00409

1,2-Ethanediylbis[(methylimino)(2-ethyl-2,1-ethanediyl)] 3,4,5-trimethoxybenzoate, 9CI. Ethylenebis-[(methylamino)(2-ethylethylene)]bis(3,4,5-trimethoxybenzoate)



$C_{32}H_{48}N_2O_{10}$ M 620.739

***(S,S)*-form** [55769-65-8]

Antiarrhythmic drug. Cryst. Mp 60-62°. $[\alpha]_D^{20}$ +24° (c, 5 in EtOH). Low toxicity claimed.

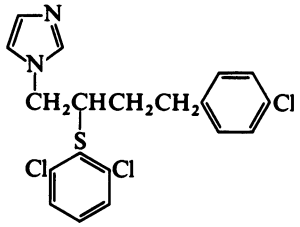
B,HCl: [55769-64-7]. *Craviten. M-71.* Cryst. (EtOH). Mp 83-113° (hydrates).

▷DI0500000.

B.P., 1 442 505, (*1975*); *CA*, **82**, 155871b (*synth, pharmacol*)
Danek, A. *et al*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 949 (*metab*)
Krowczynski, L. *et al*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 909 (*pharmacol*)
Mach, Z. *et al*, *Pol. J. Pharmacol. Pharm.*, 1980, **32**, 889 (*tox*)

Butoconazole, BAN, INN B-00410

1-[4-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)thio]-butyl]-1H-imidazole, *9CI*



$C_{19}H_{17}Cl_3N_2S$ M 411.776

(±)-form [64872-76-0]
Antifungal agent. Mp 68-70.5°. Used mainly as nitrate.

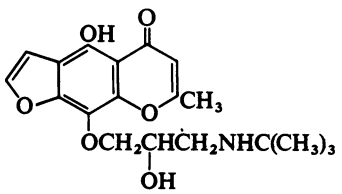
B,HNO₃: [64872-77-1]. *Butoconazole nitrate*, *USAN*. *Femstat. RS 35887-00-10-3*. Mp 162-163°.

Walker, K.A.M. *et al*, *J. Med. Chem.*, 1978, **21**, 840 (*synth, pharmacol*)
Odds, F.C. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 105 (*props*)
Matthews, T., *J. Reprod. Med.*, 1986, **31**, 655 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16554.

Butocrolol, INN B-00411

9-[3-(tert-Butylamino)-2-hydroxypropoxyl]-4-hydroxy-7-methyl-5H-furo[3,2-g][1]benzopyran-5-one, *8CI*. *Betanitran*

[55165-22-5]



$C_{19}H_{23}NO_6$ M 361.394

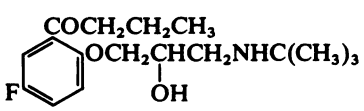
(±)-form
Antiarrhythmic drug; β-adrenergic blocker. Cryst. (EtOH). Mp 150°.

B,HCl: [78326-86-0]. Cryst. (MeOH). Mp 292°.

Martin, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 563 (*synth, pharmacol*)
Van den Driessche, J. *et al*, *Therapie*, 1977, **32**, 110 (*pharmacol*)
Leger, J.M. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 1000 (*cryst struct*)

Butofilolol, INN B-00412

2'-[3-(tert-Butylamino)-2-hydroxypropoxy]-5'-fluorobutyrophenone. 1-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-fluorophenyl]-1-butanone, *9CI*. *Cafide. CM 6805a*



$C_{17}H_{26}FNO_3$ M 311.396

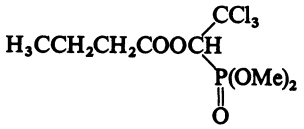
(±)-form [64552-17-6]
β-Adrenergic blocker. Cryst. (isopropyl ether). Mp 88-89°.

Ger. Pat., 2 528 147, (*1976*); *CA*, **84**, 150352q (*synth, derivs, activity*)
Re, G.G. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1980, **56**, 1264; *CA*, **93**, 197668y (*pharmacol*)
Japan. Pat., 85 15 611, (*1985*); *CA*, **103**, 104711u (*synth, activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12479.

Butonate, USAN, INN, BSI B-00413

[2,2,2-Trichloro-1-(dimethoxyphosphinyl)ethyl] butanoate, *9CI*. *Dimethyl (2,2,2-trichloro-1-hydroxyethyl)-phosphonate butyrate*, *8CI*. *Pedix 50. ENT 20852. F 139. T 113*

[126-22-7]



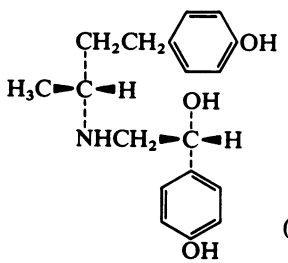
$C_8H_{14}Cl_3O_5P$ M 327.528
Vet. anthelmintic, insecticide, now superseded. $Bp_{0.5}$ 129°.

▷Nucleoside methylating agent. ET0175000.

U.S.P., 2 911 435, (*1959*); *CA*, **54**, 4393c (*synth*)
Knowles, C.O., *J. Agric. Food Chem.*, 1966, **14**, 566 (*pharmacol*)
Fechner, G. *et al*, *Fresenius' Z. Anal. Chem.*, 1969, **244**, 393 (*anal*)
Betteridge, D. *et al*, *Anal. Chem.*, 1972, **44**, 2005 (*pe*)
Krijgsman, W. *et al*, *J. Chromatogr.*, 1976, **117**, 201 (*glc*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 555.

Butopamine, INN, USAN B-00414

4-Hydroxy-α-[[[3-(4-hydroxyphenyl)-1-methylpropyl]-amino]methyl]benzenemethanol, *9CI*. *1-(4-Hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)-propylamino]ethanol*



(R,R)-form

$C_{18}H_{23}NO_3$ M 301.385

(*R,R*)-form [66734-12-1]
LY 131126
Cardiotonic.

B,HCl: [74432-68-1]. Cryst. (EtOH). Mp 176-176.5°. $[\alpha]_D$ −22.7° (MeOH).

(±)-form [97825-25-7]
Ractopamine, INN
Animal growth promoter.

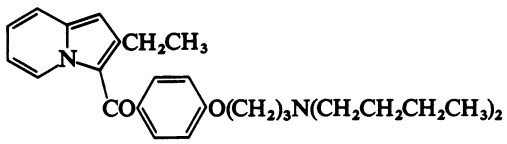
B,HCl: [90274-24-1]. *Ractopamine hydrochloride*, *USAN*. *EL 737. LY 031537*. Mp 124-129°.

Eur. Pat., 7 205, (*1980*); *CA*, **93**, 94972 (*synth, pharmacol*)
Nelson, S. *et al*, *Curr. Ther. Res.*, 1981, **30**, 405 (*pharmacol*)
Leier, C.V. *et al*, *J. Lab. Clin. Med.*, 1983, **101**, 955 (*pharmacol*)
B.P., 2 133 986, (*1984*); *CA*, **101**, 130979 (*synth, props*)

Butoprozine, INN **B-00415**

[4-[3-(Dibutylamino)propoxy]phenyl](2-ethyl-3-indolizinyl)methanone, 9CI

[62228-20-0]



$C_{28}H_{38}N_2O_2$ M 434.620

Cardiac depressant, antianginal agent.

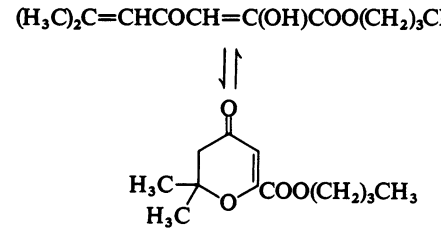
B,HCl: [62134-34-3]. *Butoprozine hydrochloride,* USAN. *L 9394.* Cryst. (Me_2CO). Mp 112.5-113.5°.

Charlier, R. *et al, J. Pharmacol.*, 1977, **8**, 361 (*pharmacol*)
Gubin, J. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 345 (*synth, pharmacol*)
Polster, P. *et al, Arzneim.-Forsch.*, 1978, **28**, 2232 (*pharmacol*)
Drenth, B.F.H., *Pharm. Weekbl. Sci. Ed.*, 1981, **3**, 1305 (*cmr*)
Sassine, A. *et al, Arch. Int. Pharmacodyn. Ther.*, 1983, **261**, 249 (*props*)
Overzet, F. *et al, J. Pharm. Biomed. Anal.*, 1984, **2**, 3 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18887.

Butopyronoxyl **B-00416**

Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-2H-pyran-6-carboxylate, 9CI. *Butyl dihydro-6,6-dimethyl-4-oxopyran-2-carboxylate. Indalone. Dihydropyrone. ENT 9*

[532-34-3]



$C_{12}H_{18}O_4$ M 226.272

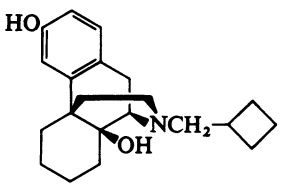
Exists mainly as pyran form with open-chain form present in equilib. Insect repellent. Yellow to pale-red liq. (tech. prod. purity 85%). d_4^{20} 1.052-1.060. Bp 256-270°. n_D^{20} 1.4750.

▷UP7000000.

U.S.P., 2 138 540, (*1936*); *CA*, **33**, 1759[1]
Hall, S.A. *et al, J. Am. Chem. Soc.*, 1945, **67**, 1224 (*synth*)
Draize, J.H. *et al, J. Pharmacol. Exp. Ther.*, 1948, **93**, 26 (*props*)
Pesticide Manual, 6th Ed., 66.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2551.

Butorphanol, BAN, INN, USAN **B-00417**

17-(Cyclobutylmethyl)morphinan-3,14-diol, 9CI



$C_{21}H_{29}NO_2$ M 327.466

(−)-*form* [42408-82-2]

Pharmacologically active isomer. Cryst. (MeOH). Mp 215-217°. $[\alpha]_D$ −70.0° (c, 0.1 in MeOH).

D-(−)-*Tartrate (1:1):* [58786-99-5]. *levo-BC 2627. Moradol. Stadol. Torate. Torbugesic. Torbutrol. Versta-dol. Butorphanol tartrate,* USAN. Mp 217-219°. $[\alpha]_D^{22}$ −64.0° (c, 0.4 in MeOH).

▷QC7795000.

(±)-*form* [50807-69-7]

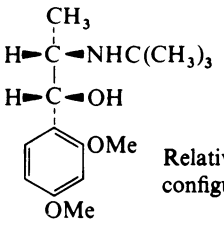
Analgesic, antitussive. Cryst. (C_6H_6). Mp 186-188°.

Monkovic, I. *et al, Can. J. Chem.*, 1975, **53**, 3094 (*synth, resoln*)
Heel, R.C., *Drugs*, 1978, **16**, 474 (*rev, pharmacol*)
Caruso, F.S. *et al, Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 19 (*rev, pharmacol*)
Kay, N.H., *Clin. Anaesthesiol.*, 1983, **1**, 153 (*rev, pharmacol*)
Mouralova, J. *et al, Cesk. Farm.*, 1983, **32**, 23 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6210.

Butoxamine, BAN **B-00418**

α-1-[[(1,1-Dimethylethyl)amino]ethyl]-2,5-dimethoxybenzenemethanol, 9CI. *α-[1-(tert-Butylamino)ethyl]-2,5-dimethoxybenzyl alcohol,* 8CI. ***Butaxamine, INN***

[2922-20-5]



Relative configuration

$C_{15}H_{25}NO_3$ M 267.367

(RS,SR)-form [1937-89-9]

(±)-erythro-*form*

Inhibitor of fatty acid metab. Oral hypoglycaemic agent, antihyperlipoproteinaemic. Liq. $Bp_{0.3}$ 127-128°.

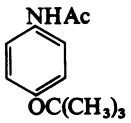
B,HCl: Butoxamine hydrochloride, USAN. *BW 64-9. NSC 106565.* Cryst. Mp 249-251°.

Netherlands Pat., 6 407 885, (*1965*); *CA*, **62**, 16123 (*synth, pharmacol*)
Baltzly, R. *et al, J. Med. Chem.*, 1968, **11**, 833 (*synth, pharmacol*)

4'-*tert*-Butoxyacetanilide, 8CI **B-00419**

N-[4-(1,1-Dimethylethoxy)phenyl]acetamide, 9CI. ***Butacetin, USAN.*** *Tromal. BW 63-90. NSC 106564*

[2109-73-1]



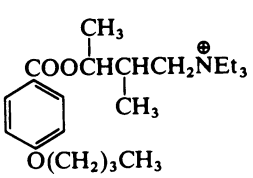
$C_{12}H_{17}NO_2$ M 207.272

Analgesic, antidepressant. Plates (EtOH aq.). Mp 130°.

Bowden, K. *et al, J. Chem. Soc.*, 1954, 1795 (*synth*)
Conney, A.H. *et al, J. Pharmacol. Exp. Ther.*, 1966, **151**, 133 (*pharmacol*)

3-[(*p*-Butoxybenzoyl)oxy]-2-methylbutyl]-triethylammonium(1+) **B-00420**

3-[(4-Butoxybenzoyl)oxy]-N,N,N-triethyl-2-methyl-1-butananinium



$C_{22}H_{38}NO_3^{\oplus}$ M 364.547 (ion)

Antiulcerogenic, ganglion blocking agent.

Iodide: [3818-40-4]. *Quateron. Quateleron. Cvaterone. Kvateleron.*

$C_{22}H_{38}INO_3$ M 491.452

Mp 128-130°.

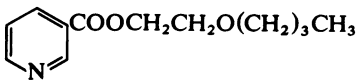
Akopyan, N.E. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1960, **23**, 316 (*pharmacol*)

U.S.S.R. Pat., 163 721, (*1964*); *CA*, **61**, 16019h (*synth*)

2-Butoxyethyl 3-pyridinecarboxylate, 9CI B-00421

2-Butoxyethyl nicotinate. ***Nicoboxil, INN.*** *3-Pyridinecarboxylic acid 2-butoxyethyl ester*

[13912-80-6]



$C_{12}H_{17}NO_3$ M 223.271

Drug used for treatment of cutaneous ischaemia, topical antirheumatic, rubefacient.

Watanaba, S. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 840 (*pharmacol*)

Frank, H. *et al*, *Sci. Pharm.*, 1985, **53**, 15 (*tlc*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9216.

1-*tert*-Butoxy-3-methoxy-2-propanol B-00422

1-(1,1-Dimethylethoxy)-3-methoxy-2-propanol, 9CI. ***Terbuprol, INN***

[13021-53-9]

$(H_3C)_3COCH_2CH(OH)CH_2OMe$

$C_8H_{18}O_3$ M 162.228

(±)-*form*

Choleretic agent. $Bp_{31.5}$ 99-101°.

Isbell, A.F. *et al*, *J. Chem. Eng. Data*, 1962, **7**, 575 (*synth*)

Ger. Pat., 2 252 637, (*1974*); *CA*, **81**, 63145u (*synth, tox, pharmacol*)

1-Butoxy-3-phenoxy-2-propanol, 9CI B-00423

Febuprol, INN. *Valbil. H 33. K 10033*

[3102-00-9]

$PhOCH_2CH(OH)CH_2O(CH_2)_3CH_3$

$C_{13}H_{20}O_3$ M 224.299

▷UA8400000.

(±)-*form*

Choleretic drug. Bp_3 152.5-153.5°.

Mikhant'ev, B.I. *et al*, *Dokl. Akad. Nauk Tadzh*, 1973, **16**, 35; *CA*, **79**, 136688 (*synth*)

Hofrichter, G. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 111 (*tox, pharmacol*)

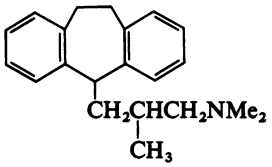
Rehm, K. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 813 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16800.

Butriptyline, BAN, INN B-00424

10,11-Dihydro-N,N,β-trimethyl-5H-dibenzo[a,d]-cycloheptene-5-propanamine, 9CI. 3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-yl)-2-methylpropyldimethylamine

[15686-37-0]



$C_{21}H_{27}N$ M 293.451

▷HP0190000.

(±)-*form* [35941-65-2]

Antidepressant. Oil. Bp_1 180-185°.

▷HO8887000.

B,HCl: [5585-73-9]. *Butryptyline hydrochloride, USAN. Centrolyse. Evadene. Evadyne. Evasidol. AY 62014.* Mp 188-190° dec.

▷HP0350000.

Barber, R. *et al*, *J. Org. Chem.*, 1962, **27**, 230 (*synth*)

Voith, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **182**, 318 (*pharmacol*)

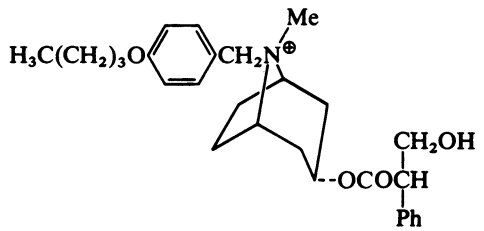
Herr, F. *et al*, *J. Med.* (*Basel*), 1971, **2**, 249 (*pharmacol*)

Cameron, B.D. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 93 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2505.

Butropium(1+) B-00425

8-[(4-Butoxyphenyl)methyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, 9CI. 8-(p-Butoxybenzyl)-3α-hydroxy-1αH,5αH-tropanium tropate, 8CI



$C_{28}H_{38}NO_4^{\oplus}$ M 452.613 (ion)

(−)-*form*

Spasmolytic, anticholinergic agent.

Bromide: [29025-14-7]. *Butropium bromide, INN, JAN. Choliopan. Butoxybenzylhyoscyamine bromide. BHB. E 344.*

$C_{28}H_{38}BrNO_4$ M 532.517

Mp 166-168°.

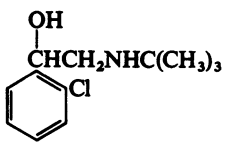
▷YM3460000.

Tanaka, S. *et al*, *J. Pharm. Soc. Jpn.*, 1972, **92**, 510 (*synth, pharmacol*)

2-*tert*-Butylamino-1-(2-chlorophenyl)-ethanol B-00426

2-Chloro-α-[(1,1-dimethylethylamino)methyl]-benzenemethanol, 9CI. ***Tulobuterol, BAN.*** *Lobuterol*

[41570-61-0]



$C_{12}H_{18}ClNO$ M 227.733

(±)-*form*

Bronchodilator. Mp 89-91°.

B,HCl: Tulobuterol hydrochloride, JAN. Hokunalin. Berachin. Atenos (new form). Belaten. Brelomax. Mp 161-163°.

▷DN8785000.

Ger. Pat., 2 244 737, (*1973*); *CA*, **78**, 147538a (*synth*)
Kubo, S. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1028 (*pharmacol, tox*)
Bogen, J.A., *Drugs of Today*, 1982, **18**, 238 (*rev*)
Harada, Y. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 2301 (*cryst struct*)
Matsumura, K. *et al*, *J. Chromatogr.*, 1982, **230**, 148 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17020.

[1-(Butylamino)-1-methylethyl]phosphinic acid, 8CI B-00427

Butafosfan, BAN, INN. *Catosal. Coforta*

[17316-67-5]

$H_3C(CH_2)_3NHC(CH_3)_2PH(O)(OH)$

$C_7H_{18}NO_2P$ M 179.198

Clinical phosphorus source. Also antioxidant for fats. Metabolic stimulant. Cryst. (MeOH/Me_2CO). Mp 219°.

Kreutzkamp, N. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1967, **300**, 868; *CA*, **68**, 49689

1-Butylbiguanide, 8CI B-00428

N-*Butylimidodicarbonimidic diamide, 9CI.* ***Buformin, USAN, INN.*** *Glybigide. Numerous proprietary names*

[692-13-7]



$C_6H_{15}N_5$ M 157.218

Oral hypoglycaemic agent. V. sol. H_2O. Used mainly as hydrochloride.

▷DU1132000.

B,HCl: [1190-53-0]. *Buformin hydrochloride, JAN.* Sol. H_2O, EtOH. Mp 174-177°.

▷DU1135000.

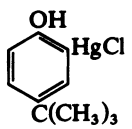
B,HNO_3: Cryst. (EtOH). Mp 125-126° dec.

Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 3728 (*synth, pharmacol*)
Creutzfeldt, W. *et al*, *Klin. Wochschr.*, 1961, **39**, 790 (*pharmacol*)
Wellman, K.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1967, 568 (*nmr, uv*)
Mehnert, H. *et al*, *Med. Chem. Ser. Monogr.*, 1969, **9**, 247 (*rev*)
Losert, W. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 937 (*metab*)
Roske, I. *et al*, *Pharmazie*, 1979, **34**, 374 (*props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 583 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7214.

4-*tert*-Butyl-2-chloromercuriphenol B-00429

Chloro[5-(1,1-dimethylethyl)-2-hydroxyphenyl]-mercury, 9CI. ***Mercurobutol, INN.*** *L 542. Mercryl*

[498-73-7]



$C_{10}H_{13}ClHgO$ M 385.255

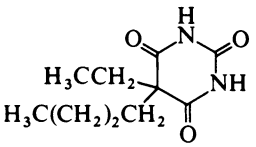
Antiseptic, disinfectant. Mp 157-160°.

Razuvaev, G.A. *et al*, *Zh. Obshch. Khim.*, 1974, **44**, 135 (*synth*)
U.S.P., 4 312 887, (*1982*); *CA*, **96**, 142446f (*synth*)

5-Butyl-5-ethylbarbituric acid, 8CI B-00430

5-Butyl-5-ethyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. Butobarbital. ***Butobarbitone, BAN.*** *Butethal. Numerous proprietary names*

[77-28-1]



$C_{10}H_{16}N_2O_3$ M 212.248

Intermediate duration hypnotic and sedative. Cryst. (EtOH aq.) with slightly bitter taste. Mp 127-128°.

▷Addictive. CQ1575000.

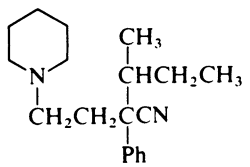
$C_{17}H_{20}N_3O_5$ M 346.362

Dox, A.W. *et al*, *J. Am. Chem. Soc.*, 1922, **44**, 1578 (*synth, pharmacol*)
Bideau, J.-P., *C. R. Hebd. Seances Acad. Sci.*, 1971, **272**, 757 (*cryst struct*)
Sitsen, J.M.A. *et al*, *Pharm. Weekbl.*, 1972, **107**, 69; 1974, **109**, 1 (*synth, pharmacol*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1580 (*cmr, pharmacol*)
Soltero-Rigau, E. *et al*, *Anal. Chem.*, 1977, **49**, 435 (*ms*)
Testa, B., *Pharm. Acta Helv.*, 1978, **53**, 143 (*metab*)
Al Sharifi, M.A. *et al*, *Xenobiotica*, 1983, **13**, 179 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4015.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1712 (*synonyms*)

α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile B-00431

α-(1-Methylpropyl)-α-phenyl-1-piperidinebutanenitrile, 9CI

[1228-02-0]



$C_{19}H_{28}N_2$ M 284.444

Analgesic, antispasmodic agent. Viscous oil. $Bp_{0.2}$ 148°, Bp_4 175-177°.

▷YV8800000.

B,HCl: [53198-87-1]. *Eurazyl. R 154.* Cryst. (EtOH/Et_2O). Mp 200-203°.

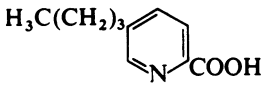
▷TM5650000.

B.P., 765 510, (*1957*); *CA*, **51**, 14810 (*synth*)
Kasprek, H. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 673 (*pharmacol*)
Casadio, S. *et al*, *J. Med. Chem.*, 1965, **8**, 589 (*synth, pharmacol*)

5-Butyl-2-pyridinecarboxylic acid, 9CI **B-00432**

5-Butylpicolinic acid. ***Fusaric acid***

[536-69-6]



$C_{10}H_{13}NO_2$ M 179.218

Isol. from *Fusarium lycopersici, F. oxysporum, F. vasinfectum* and *Gibberella fujikuroi.* Plant growth inhibitor. Shows antihypertensive and insecticidal activity. Plates (pet. ether). Mp 108-109°.

▷US5625000.

Me ester: [17072-92-3].
$C_{11}H_{15}NO_2$ M 193.245
Bp 98-99°.

Picrate: Mp 83-89°.

Amide: [22632-06-0]. ***Bupicomide,*** *USAN, INN. Sch 10595.*
$C_{10}H_{14}N_2O$ M 178.233
Antihypertensive agent (dopamine β-hydroxylase inhibitor). Mp 127-128°.

Grove, F. *et al, J. Chem. Soc.*, 1958, 1236 (*isol*)
Chumakov, Y.I. *et al, Tetrahedron Lett.*, 1965, 129 (*synth, ir*)
Vogt, H. *et al, Tetrahedron Lett.*, 1966, 5887 (*synth*)
U.S.P., 3 519 717, (*1970*); *CA*, **73**, 59319w (*Bupicomide*)
Korduba, C.A. *et al, J. Pharmacol. Exp. Ther.*, 1973, **184**, 671 (*Bupicomide*)
Symchowicz, S. *et al, J. Pharmacol. Exp. Ther.*, 1974, **191**, 324 (*Bupicomide*)
Medvedeva, T.M. *et al, Khim.-Farm. Zh.*, 1978, **12**, 66 (*synth, pharmacol*)
Tschesche, R. *et al, Chem. Ber.*, 1978, **111**, 3502 (*synth, spectra*)
Piesche, L. *et al, Pharmazie*, 1979, **34**, 332 (*pharmacol*)
Langhals, E. *et al, Justus Liebigs Ann. Chem.*, 1982, 930 (*synth*)
Schroetter, E. *et al, Pharmazie*, 1984, **39**, 155 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12468.

Butynamine, INN **B-00433**

N-(*1,1-Dimethylethyl*)-N,*2-dimethyl-3-butyn-2-amine,* 9CI. N-tert-*Butyl*-N,*1,1-trimethyl-2-propynylamine,* 8CI

[3735-65-7]

$HC{\equiv}CC(CH_3)_2NMeC(CH_3)_3$

$C_{10}H_{19}N$ M 153.267

Antihypertensive agent. Bp_{130} 110-112°.

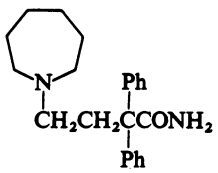
B,HCl: Mp 138-140°. pK_a 9.3 (H_2O).

Ainsworth, C. *et al, J. Org. Chem.*, 1961, **26**, 3776 (*synth*)
McMahon, R.E. *et al, Biochem. Pharmacol.*, 1963, **12**, 1225 (*metab*)
Nelson, R. *et al, J. Med. Chem.*, 1966, **9**, 465 (*synth, pharmacol*)

Buzepide **B-00434**

Hexahydro-α,α-diphenyl-1H-azepine-1-butanamide, 9CI. *4-(Hexahydro-1H-azepinyl)-2,2-diphenylbutanamide. R-658. Acemydrite. Calmacid. Hexamethamide. Mydriamide*

[3691-21-2]



$C_{22}H_{28}N_2O$ M 336.476

Anticholinergic, mydriatic agent; inhibits gastric juice secretion. Mp 141.5-143.5°.

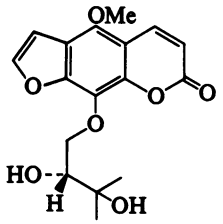
B,MeI: [15351-05-0]. *Buzepide metiodide,* INN. *Spactin. Diphexamide iodomethylate.*
$C_{23}H_{31}IN_2O$ M 478.415
Mp 212-213° dec.

Janssen, P.A.J. *et al, J. Med. Chem.*, 1959, **1**, 187 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 351 (*Methiodide*)

Byakangelicin **B-00435**

9-(2,3-Dihydroxy-2-methylbutoxy)-4-methoxy-7H-furo[3,2-g][1]benzopyran-7-one, 9CI

[19573-01-4]



Absolute configuration

$C_{17}H_{18}O_7$ M 334.325

(R)-form [482-25-7]

Constit. of Japanese drug byakusi obt. from *Angelica* spp. Mp 117-118°. Opt. rotn. data inaccessible but is thought to be dextrorotatory.

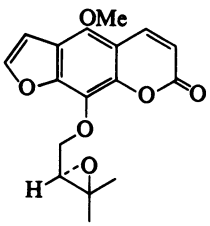
▷LV1049000.

Perel'son, M.E. *et al, Khim. Prir. Soedin.*, 1971, 576; *CA*, **76**, 45335y (*pmr*)
Fukushima, S. *et al, Chem. Pharm. Bull.*, 1974, **22**, 1227 (*ms*)
Kovalev, I.P. *et al, Farm. Zh. (Kiev)*, 1975, **30**, 44; *CA*, **84**, 104899a (*abs config*)

Byakangelicol **B-00436**

9-[(3,3-Dimethyloxiranyl)methoxy]-4-methoxy-7H-furo[3,2-g][1]benzopyran-7-one, 9CI

[55173-98-3]



$C_{17}H_{16}O_6$ M 316.310

(R)-form

Constit. of Japanese drug byakusi obt. from *Angelica glabra.* Pale-yellow tablets. Mp 106°. $[\alpha]_D$ +35.8° (Py).

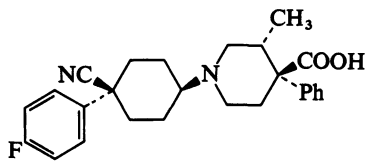
Kawanami, M. *et al, Ber.*, 1938, **71**, 344; 1939, **72**, 483 (*isol, struct*)
Fukushima, S. *et al, Chem. Pharm. Bull.*, 1974, **22**, 1227 (*ms*)
Fayos, J., *Acta Crystallogr., Sect. B*, 1976, **32**, 2901 (*cryst struct*)

C

Cabastine, INN **C-00001**

1-[4-Cyano-4-(4-fluorophenyl)cyclohexyl]-3-methyl-4-phenyl-4-piperidinecarboxylic acid, 9CI

[79449-98-2]



Relative configuration

$C_{26}H_{29}FN_2O_2$ M 420.526

Antihistamine.

(+)-form

B,HCl: R 50547. Mp 298-299°.

(−)-form [79516-68-0]

Levocabastine, INN, BAN

Antihistamine.

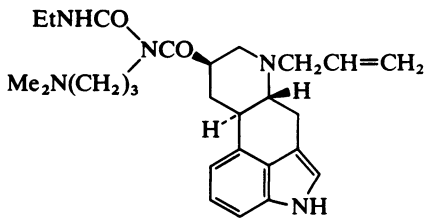
B,HCl: [79547-78-7]. *Levocabastine hydrochloride, USAN.*

Eur. Pat., 34 415, (*1981*); *CA*, **96**, 19975a (*synth, pharmacol*)
U.S.P., 4 369 184, (*1983*); *CA*, **99**, 38370 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18660.

Cabergoline, INN **C-00002**

N-[3-(Dimethylamino)propyl]-N-[(ethylamino)-carbonyl]-6-(2-propenyl)ergoline-8-carboxamide, 9CI. 1-Ethyl-3-(3'-dimethylaminopropyl)-3-(6'-allylergoline-8'-carbonyl)urea

[81409-90-7]



$C_{26}H_{27}N_5O_2$ M 441.532

Prolactin inhibitor.

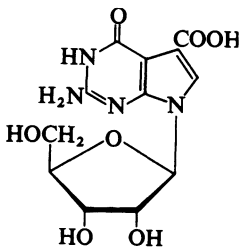
B,2H₃PO₄: [85329-89-1]. *FCE 21336.* Mp 153-155°.

U.S.P., 4 526 892, (*1985*); *CA*, **103**, 160754 (*synth, pharmacol*)
Zaccheo, T., *Cancer Lett.*, 1985, **28**, 237 (*pharmacol*)
Pontiroli, A.E. *et al*, *Br. J. Clin. Pharmacol.*, 1987, **23**, 433 (*pharmacol*)
Melis, G.B. *et al*, *Obstet. Gynecol.* (*N.Y.*), 1988, **71**, 311 (*pharmacol*)

Cadeguomycin **C-00003**

2-Amino-4,7-dihydro-4-oxo-7-β-D-ribofuranosyl-1H-pyrrolo-[2,3-d]pyrimidine-5-carboxylic acid. 7-Carboxy-7-deazaguanosine

[81645-08-1]



$C_{12}H_{14}N_4O_7$ M 326.265

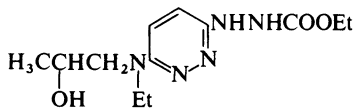
Nucleoside antibiotic. Isol. from *Streptomyces hygroscopicus*. Shows antitumour activity and immunostimulatory effects. Needles. Mp 231-239° dec.

Tanake, H. *et al*, *J. Antibiot.*, 1982, **35**, 272 (*isol*)
Wu, R.T. *et al*, *J. Antibiot.*, 1982, **35**, 279 (*struct*)
Kondo, T. *et al*, *Tetrahedron Lett.*, 1983, **24**, 3647 (*synth, uv, pmr*)
Beylin, V.G. *et al*, *Tetrahedron Lett.*, 1983, **24**, 4793 (*synth*)
Yuan, B.D. *et al*, *J. Antibiot.*, 1985, **38**, 642 (*props*)
Kondo, T. *et al*, *Tetrahedron*, 1986, **42**, 199 (*synth*)
Kim, S.H. *et al*, *J. Antibiot.*, 1987, **40**, 1776 (*pharmacol*)

Cadralazine, INN **C-00004**

Ethyl 2-[6-[ethyl(2-hydroxypropyl)amino]-3-pyridazinyl]hydrazinecarboxylate, 9CI

[64241-34-5]



$C_{12}H_{21}N_5O_3$ M 283.330

▷MV1720400.

(±)-form

Antihypertensive agent. Cryst. (Me_2CO). Mp 160-162°.

B.P., 1 470 747, (*1977*); *CA*, **87**, 135374s (*synth, tox, pharmacol*)
Parravicini, F. *et al*, *Farmaco, Ed. Sci.*, 1979, **34**, 299 (*synth, pharmacol*)
Schuetz, H. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1985, **10**, 147, 217 (*metab*)
Terauchi, Y. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 237 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16559.

Caerulein, 9CI **C-00005**

Ceruletide, BAN, INN, USAN. *FI 693*

[17650-98-5]

5-OxoPro-Gln-Asp-Tyr(SO_3H)-Thr-Gly-Trp-Met-Asp-Phe-NH_2

$C_{58}H_{73}N_{13}O_{21}S_2$ M 1352.409

Present in the skins of Australian amphibians. Potent hypotensive, stimulates some extravascular smooth muscles and affects external secretions of the gastrointestinal tract. Mp 224-226° dec. $[\alpha]_D^{20}$ −26° (c, 1 in DMF).

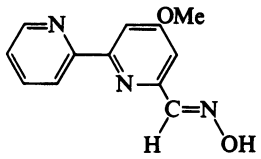
Diethylamine salt: [71247-25-1]. *Ceruletide diethylamine, JAN, USAN. Cerulex. Takus. Tymtran. Ceosunin.* Used as diagnostic aid in radiographic visualization of bile ducts and gallbladder.

Anastasi, A. *et al, Experientia*, 1967, **23**, 699; *Arch. Biochem. Biophys.*, 1968, **125**, 57 (*isol*)
Bernardi, L. *et al, Experientia*, 1967, **23**, 700 (*synth*)
Chieli, T. *et al, Toxicol. Appl. Pharmacol.*, 1972, **23**, 480 (*tox*)
Bertaccini, G., *Pharmacol. Rev.*, 1976, **28**, 127 (*rev*)
De Castiglione, R., *Biopolymers*, 1983, **22**, 507 (*rev*)
Erspamer, V., *Prog. Anesthesiol.*, 1983, **3**, 127 (*rev*)
Zetler, G., *Ann. N.Y. Acad. Sci.*, 1985, **448**, 448 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2124.

Caerulomycin C-00006

4-Methoxy-[2,2'-bipyridine]-6-carboxaldehyde oxime, 8CI. 4-Methoxy-2,2'-dipyridyl-6-aldoxime. Cerulomycin. Caeruluomycin A

[21802-37-9]



$C_{12}H_{11}N_3O_2$ M 229.238

Antibiotic from *Streptomyces caeruleus* and *Nocardiopsis cirriefficiens*. Active primarily against yeasts, fungi and *Entamoeba histolytica*. Needles. Mp 175°. pK_{a1} 4.38, pK_{a2} 9.81. Not same as Coerulomycin of Brazhnikova, *et al, Antibiotiki (Moscow)*, 1957, **2**, 16.

O-*Ac:* [14761-57-0]. Needles (EtOH aq.). Mp 102°.
O-*Me:* [14761-56-9]. Mp 90°.
3-Hydroxy: [68560-29-2]. ***Caerulomycin* B**.
$C_{12}H_{11}N_3O_3$ M 245.237
Metab. of *S. caeruleus* + tryptophan. Needles (MeOH). Mp 215-217°.
3-Methoxy: [68560-30-5]. ***Caerulomycin* C**.
$C_{13}H_{13}N_3O_3$ M 259.264
Isol. from *S. caeruleus* + tryptophan. Prisms (EtOH). Mp 208-210°.

Divekar, P.V. *et al, Can. J. Chem.*, 1967, **45**, 1215 (*struct*)
Ranganathan, S. *et al, Can. J. Chem.*, 1969, **47**, 165 (*synth*)
McInnes, A.E. *et al, Can. J. Chem.*, 1977, **55**, 4159; 1979, **57**, 3200 (*biosynth, cmr*)
Japan. Pat., 84 51 797, (*1984*); *CA*, **101**, 71051 (*isol*)
Chatterjee, D.K. *et al, Z. Parasitenkd.*, 1984, **70**, 569 (*pharmacol*)

Caesium chloride C-00007

[7647-17-8]

CsCl

ClCs M 168.358

Deliquesc. cubic cryst. Mp 646°. Bp 1290°. ^{129}Cs and ^{131}Cs labelled compds. used medicinally as radioactive agents (Cescan-131).

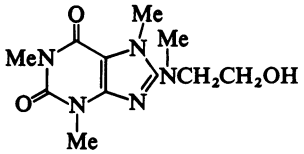
▷FK9625000.

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 951 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5851.
Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 746.

Cafaminol, INN C-00008

3,7-Dihydro-8-[(2-hydroxyethyl)methylamino]-1,3,7-trimethyl-1H-purine-2,6-dione, 9CI. 8-[(Hydroxyethyl)-methylamino]caffeine. Methylcoffanolamine. Rhinoptil. Rhinetten

[30924-31-3]



$C_{11}H_{17}N_5O_3$ M 267.287

Nasal decongestant, anticatarrhal. Mp 162-164°.

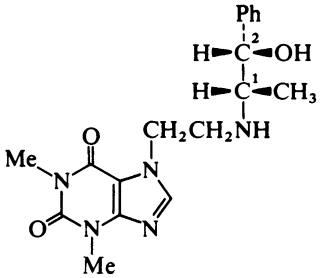
▷EV6566000.

Ger. Pat., 1 938 016, (*1971*); *CA*, **74**, 88064k (*synth, pharmacol*)
Walther, H. *et al, Pharmazie*, 1979, **34**, 375 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15308.

Cafedrine, BAN, INN C-00009

7-[2-(β-Hydroxy-α-methylphenethylamino)ethyl]-theophylline. Norephedrinoethyltheophylline

[58166-83-9]



(*1S,2R*)-*form*

$C_{18}H_{23}N_5O_3$ M 357.411

Opt. isomers known.

▷XH5905700.

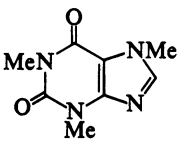
(***1S,2R*)-form** [78396-34-6]
(−)-erythro-*form*
Analeptic agent. Component of Akrinor.
B,HCl: [3039-97-2]. Mp 243-245° dec. $[\alpha]_D^{20}$ −14.02° (H_2O).

Engel, J. *et al, Chem.-Ztg.*, 1979, **103**, 283; 1981, **105**, 85 (*cmr, abs config*)
Klingler, K.H. *et al, Arzneim.-Forsch.*, 1980, **30**, 1060 (*synth, ms, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4920.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12500.

Caffeine, BAN, USAN C-00010

3,7-Dihydro-1,3,7-trimethyl-1H-purine-2,6-dione, 9CI. 1,3,7-Trimethylxanthine. Theine. Guaranine. Coffeine. Methyltheobromine. Other synonyms

[58-08-2]



$C_8H_{10}N_4O_2$ M 194.193

Component of *Coffea arabica*, many other *C.* spp., *Theobroma cacao, Camellia thea, Cola acuminata* and several other *C.* spp. and several other plants (Rubiaceae, Sterculiaceae, Theaceae). Widely used stimulant, increases CNS activity with main effect on the cerebral cortex. Chemosterilant against stored grain pests. Mp 235° (anhyd.).

▷EV6475000.

B,HClO$_4$: Mp 89°.

Fischer, E. *et al*, *Ber.*, 1895, **28**, 2473, 3135 (*synth*)
Blout, E.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 479 (*ir*)
Bredereck, H. *et al*, *Chem. Ber.*, 1950, **83**, 201; 1962, **95**, 1902 (*synth*)
Sutor, D.J., *Acta Crystallogr.*, 1958, **11**, 453 (*cryst struct*)
Spiteller, G. *et al*, *Monatsh. Chem.*, 1962, **93**, 632 (*ms*)
Twanmoh, L.-M. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 187 (*pmr*)
Nicolau, C. *et al*, *Z. Naturforsch., C*, 1974, **29**, 475 (*cmr*)
Suzuki, T. *et al*, *Phytochemistry*, 1976, **15**, 1235 (*biosynth*)
Zubair, M.U. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 71 (*rev, ir, uv, pmr, cmr, ms, occur, anal*)
Arnaud, M.J., *Prog. Drug Res.*, 1987, **31**, 273 (*rev, chem, pharmacol, toxicity*)
Somani, S.M. *et al*, *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1988, **26**, 521 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 621, 622.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 921.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 615.

Calamine, USAN C-00011

[8011-96-9]

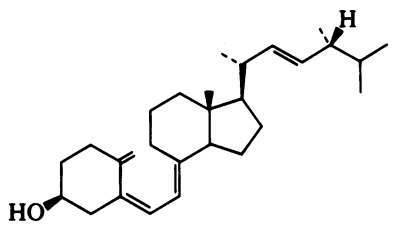
Mixt. of iron and zinc oxides. Topical protectant. Pink powder. Component of Caladryl.

Howard, B.F. *et al*, *Pharm. J.*, 1937, **139**, 51 (*composition*)
Creech, H.L. *et al*, *J. Am. Pharm. Assoc.*, 1939, **28**, 443 (*chem, pharmacol*)
Woodford, R., *Chemist Druggist*, 1964, **182**, 204 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1598.

Calciferol C-00012

9,10-Secoergosta-5,7,10(19),22-tetraen-3-ol, 9CI. *Vitamin* D$_2$. ***Ergocalciferol*, INN, *USAN***. *Ergosterol (activated). Oleovitamin* D$_2$. *Viosterol. Numerous proprietary names*

[50-14-6]



$C_{28}H_{44}O$ M 396.655

Formed by irradiation of Ergosterol. Antirachitic vitamin. Warfarin potentiator which produces lethal hypervitaminosis. Prisms (Me_2CO). Mp 114.5-117°. $[\alpha]_D^{20}$ +102.5° (EtOH). λ_{max} 265 nm (EtOH). Stable in cryst. state but solns. oxid. in air.

▷KE1050000.

Phosphate: [863-53-6]. *Ergocalciferol phosphate. Vitamin* D$_2$ *monophosphate. Derol.*
$C_{28}H_{45}O_4P$ M 476.635
Antirachitic.

Fieser, L.F. *et al*, *Steroids*, 1959, Reinhold, N.Y., 90 (*rev*)
Dahlqvist, A. *et al*, *Acta Chem. Scand.*, 1964, **18**, 1607 (*phosphate*)
Sanders, G.M., *Prog. Chem. Org. Nat. Prod.*, 1969, **27**, 131 (*rev*)
Hull, S.E. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 2374 (*cryst struct*)
Bell, P.A., *Vitamin D*, 1978, 1 (*rev*)
Lythgoe, B. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 590 (*synth*)
Synform., 1985, **3**, 70 (*rev, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7892.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7725.

Calcitonin, 9CI, INN, BAN, JAN, USAN C-00013

Thyrocalcitonin

[9007-12-9]

Porcine: H-Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Ser-Ala-Tyr-Trp-Arg-Asn-Leu-Asn-Asn-Phe-His-Arg-Phe-Ser-Gly-Met-Gly-Phe-Gly-Pro-Glu-Thr-Pro-NH_2
Human: H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH_2

Calcium-regulating hormone secreted from the thyroid gland in mammals and from the ultimobrandial gland in nonmammals.

▷XP3560000.

Porcine [12321-44-7]

Calcitonin S. *α-Thyrocalcitonin. Calcitare. Calirsan. Staporos. PC-1. Cibacalcin*
$C_{159}H_{232}N_{46}O_{45}S_5$ M 3604.043
M 3604.

Human [21215-62-3]

Calcitonin M
$C_{151}H_{226}N_{40}O_{45}S_3$ M 3417.867
Highly active calcitonic peptide isol. from human C-cell tumours. It is accompanied by Calcitonin *D*, which is the antiparallel dimer.

MacIntyre, I. *et al*, *J. Endocrinol.*, 1965, **33**, 469.
Bell, P.H. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 2704; *Biochemistry*, 1970, **9**, 1665 (*struct*)
Beesley, T.E. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 3255 (*struct*)
Rittel, W. *et al*, *Helv. Chim. Acta*, 1968, **51**, 917, 924, 1155, 1966, 2057; 1969, **52**, 1058; 1970, **53**, 556 (*struct, synth*)
MacIntyre, I. *et al*, *Helv. Chim. Acta*, 1968, **51**, 1738; *Nature (London)*, 1968, **220**, 984
Behrens, O.K. *et al*, *Annu. Rev. Biochem.*, 1969, **38**, 83 (*rev*)
Nakagawa, Y. *et al*, *Pept. Chem.*, 1977, **15**, 189 (*synth, human*)
Alhadeff, M., *Med. Actual.*, 1978, **14**, 137 (*rev, human*)
Bertaccini, G., *Handb. Exp. Pharmacol.*, 1982, **59**, 161 (*rev, pharmacol*)
Craig, R.K. *et al*, *Nature (London)*, 1982, **295**, 245 (*cloning*)
Salmon, J.A. *et al*, *Horm. Blood (3rd Ed.)*, 1983, **5**, 137 (*rev*)
Pecile, A., Ed., *Calcitonin; Chem. Physiol. Pharmacol. and Clin. Aspects*, Excerpta Medica, Amsterdam, 1985 (*book*)
MacIntyre, I. *et al*, *Clin. Orthop. Relat. Res.*, 1987, **217**, 45 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8053.

Calcium carbonate, USAN, BAN C-00014

[471-34-1]

$CaCO_3$

$CCaO_3$ M 100.089

Antacid. Mp 825° (aragonite), Mp 898° (calcite). Component of Camalox, Titralac. Several cryst. forms exist (Calcite, Aragonite).

Lepley, R.H., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley, N.Y., **4**, 427, **11**, 698.
Orwoll, E.S. *et al*, *Ann. Intern. Med.*, 1982, **97**, 242 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 682.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 677.

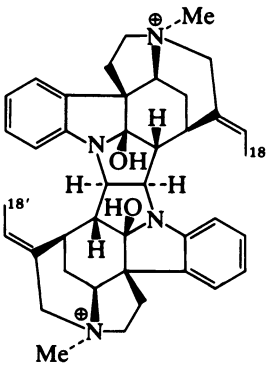
Calcium hydroxide, BAN, USAN **C-00015**
Slaked lime
[1305-62-0]

$Ca(OH)_2$

CaH_2O_2 M 74.095
Astringent; used in dentistry to line cavity walls.
Hexagonal cryst.
▷EW2800000.

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 926 (*synth*)
Martin, D.M. *et al*, *Br. Dent. J.*, 1977, **142**, 277 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 204.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 682.

Calebassine **C-00016**
C-*Toxiferine II.* C-*Strychnotoxine I.* C-*Calebassine*, 9CI. C-*Strychnotoxine Ia.* C-*Curarine II.* C-*Calebassine* A
[7257-29-6]

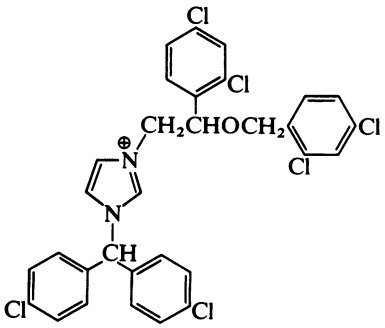


Absolute configuration

$C_{40}H_{48}N_4O_2^{\oplus\oplus}$ M 616.845 (ion)
V. readily forms the di-Me ether, and early refs. are confused between Calebassine and the di-Me ether with the same names being applied to both compds. Alkaloid from calabash curare, *Strychnos divaricans* and several other *S.* spp. (Strychnaceae). Potent neuromuscular blocking agent (ca. 0.3 × Tubocurarine).
▷Highly toxic
Dichloride:
$C_{40}H_{48}Cl_2N_4O_2$ M 687.751
$[\alpha]_D^{24}$ +72.1° (H_2O). Blue-violet colour with $Ce(SO_4)_2$, becoming carmine on standing.
Dipicrate: Mp 216-218° dec.
Di-Me ether, dipicrate: Mp 232-233° dec.
18-Hydroxy: [69356-54-3]. C-***Alkaloid* F**.
$C_{40}H_{48}N_4O_3^{\oplus\oplus}$ M 632.844 (ion)
Alkaloid from calabash curare (Strychnaceae). Orange prisms (Me_2CO)(as picrate). Mp 209-210° dec. (as picrate). Blue-violet colour with $Ce(SO_4)_2$, becoming carmine on standing.
18,18'-Dihydroxy: [6844-05-9]. C-***Alkaloid* A**. *Toxiferine IV.*
$C_{40}H_{48}N_4O_4^{\oplus\oplus}$ M 648.844 (ion)
Alkaloid from calabash curare (Strychnaceae). Mp 228-229° (as picrate). $[\alpha]_D$ +64° (chloride in H_2O). Blue-violet colour with $Ce(SO_4)_2$, becoming carmine on standing.

Wieland, H. *et al*, *Justus Liebigs Ann. Chem.*, 1941, **547**, 156 (*isol*)
Schmid, H. *et al*, *Helv. Chim. Acta*, 1946, **29**, 1853; 1952, **35**, 1864; 1953, **36**, 345; 1956, **39**, 440, 1208; 1958, **41**, 673; 1961, **44**, 2211 (*isol, uv, ir, pmr, struct*)
Zürcher, A. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1500 (*isol*)
Grdinic, M. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 3351 (*pmr*)
Fehlmann, M. *et al*, *Helv. Chim. Acta*, 1965, **48**, 303 (*cryst struct*)
Marini-Bettolo, G.B. *et al*, *CA*, 1980, **92**, 124942c (*isol*)

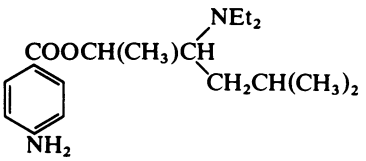
Calmidazolium(1+) **C-00017**
1-[Bis(4-chlorophenyl)methyl]-3-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1H-imidazolium, 9CI
[95013-41-5]



$C_{31}H_{23}Cl_6N_2O^{\oplus}$ M 652.254 (ion)
Calmodulin inhibitor.
Chloride: [57265-65-3]. *R 24571.*
$C_{31}H_{23}Cl_7N_2O$ M 687.707

Ger. Pat., 2 504 114, (*1975*); *CA*, **83**, 193323 (*synth*)
Gietzen, K. *et al*, *Biochem. Biophys. Res. Commun.*, 1981, **101**, 418 (*pharmacol*)
Van Belle, H. *et al*, *Falk. Symp.*, 1984, **38**, 353 (*rev*)

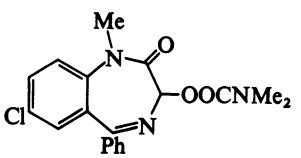
Calocaine **C-00018**
3-(Diethylamino)-5-methyl-2-hexanol 4-aminobenzoate (ester). p-*Aminobenzoic acid 2-(diethylamino)-1,4-dimethylpentyl ester.* N,N-*Diethyl-β-homoleucinol* p-*aminobenzoate*



$C_{18}H_{30}N_2O_2$ M 306.447
Local anaesthetic. Oil.
B,HCl: Mp 217-218°.
Sulfamate: Mp 143°.

Katsuda, N., *CA*, 1953, **47**, 2936e (*pharmacol*)
Toyoda, T. *et al*, *Chem. Pharm. Bull.*, 1960, **8**, 939 (*synth*)

Camazepam, INN **C-00019**
7-Chloro-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl dimethylcarbamate, 9CI. *Temazepam dimethyl carbamate. Albego. SB-5833. Amotril. Limpidon. Nebolan. Panevril*
[36104-80-0]



$C_{19}H_{18}ClN_3O_3$ M 371.823
▷EZ9033500.

(±)-*form*

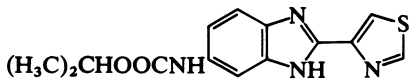
Tranquilliser. Mp 173-174°. LD_{50} >4 g/kg (p.o., rat).

Ger. Pat., 2 142 181, (*1972*); *CA*, **76**, 140908w (*synth*)
Merlo, L. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1759 (*pharmacol*)
Alhadeff, M., *Drugs of Today*, 1977, **13**, 521 (*rev*)
Marcucci, F. *et al*, *J. Pharm. Sci.*, 1978, **67**, 1470 (*metab*)
Burgschat, H. *et al*, *Offizinpharmazie*, 1980, **2**, 65 (*rev*)
Morino, A. *et al*, *J. Pharmacobio.-Dyn.*, 1985, **8**, 597 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7012.

Cambendazole, BAN, USAN, INN C-00020

[2-(4-Thiazolyl)-1H-benzimidazol-5-yl]carbamic acid 1-methylethyl ester, *9CI*. *[2-(4-Thiazolyl)-5-benzimidazolecarbamic acid isopropyl ester*, *8CI*. *Ascapilla. Bonlam. Bovicam. Camben. Cambenzole. Camdan. Camvet. Equiben. Novazole. Noviben. MK 905*

[26097-80-3]



$C_{14}H_{14}N_4O_2S$ M 302.350

Anthelmintic (veterinary). Sol. EtOH, insol. H_2O, nonpolar solvs. Mp 238-240° dec.

▷DD6538000.

B,HCl: [76345-76-1]. Cryst. (MeOH/2-propanol). Mp 285-290°.

Hoff, D.R. *et al*, *Experientia*, 1970, **26**, 550 (*synth, pharmacol*)
Bogan, J.A., *Med. Actual.*, 1977, **13**, 390 (*rev, pharmacol*)
Rajappa, S. *et al*, *Indian J. Chem., Sect. B*, 1980, **19**, 539 (*synth*)
Hoff, D.R., *Chron. Drug Discovery*, 1982, **1**, 239 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 766.

Camiverine, INN C-00021

α-[[2-(1-Pyrrolidinyl)ethyl]amino]benzeneacetic acid 3-methylbutyl ester, *9CI*. *2-Phenyl-N-[2-(1-pyrrolidinyl)-ethyl]glycine isopentyl ester*. *3-Methylbutyl α-[[2-(1-pyrrolidinyl)ethyl]amino]benzeneacetate*. *Piramilofine*

[54063-28-4]



$C_{19}H_{30}N_2O_2$ M 318.458

Spasmolytic agent. Pale yellow oil. Bp_2 184-188°.

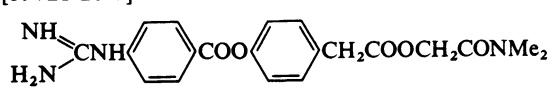
▷MC0870000.

Edwards, B.K. *et al*, *J. Pharm. Pharmacol.*, 1960, **12**, 179 (*synth*)
B.P., 878 630, (*1961*); *CA*, **57**, 12441n (*synth, deriv*)
Shapero, M. *et al*, *J. Pharm. Pharmacol.*, 1962, **14**, 119 (*pharmacol*)

Camostat, INN C-00022

2-(Dimethylamino)-2-oxoethyl 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]-benzeneacetate, *9CI*. *N,N-Dimethylglycolamide* (p-*hydroxyphenyl)acetate* p-*guanidobenzoate*

[59721-28-7]



$C_{20}H_{22}N_4O_5$ M 398.418

Plasmin and trypsin inhibitor.

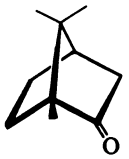
B,MeSO₃H: [59721-29-8]. *Camostat mesylate. Foipan. Foypan. FOY 305*. Cryst. (MeOH/Et_2O). Mp 150-155°.

Ger. Pat., 2 548 886, (*1976*); *CA*, **85**, 32666t (*synth, pharmacol*)
Tamura, Y. *et al*, *Biochem. Biophys. Acta*, 1977, **484**, 417 (*synth, pharmacol*)
Hiraku, S. *et al*, *CA*, 1982, **97**, 120038 (*metab*)
Takasugi, S. *et al*, *Digestion*, 1982, **24**, 36.
Goeke, B. *et al*, *Digestion*, 1984, **30**, 171.
Takeuchi, T. *et al*, *Pharma Med.*, 1988, **6**, 83 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3922.

Camphor, USAN C-00023

1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one. 2-Bornanone. 2-Camphanone. Alcanfer. Camphilen. Canforal. Canforetil

[76-22-2]



(+)-*form*
Absolute configuration

$C_{10}H_{16}O$ M 152.236

▷Irritant, mod. toxic orally, TLV 12. EX1225000.

(+)-*form* [464-49-3]

Widespread, found esp. in the Camphor tree, *Cinnamomum camphora*. Also manuf. from Pinene. Used in perfumery. Analeptic, respiratory stimulant, topical analgesic, antipruritic and antirheumatic. Rhombohedra or cubic cryst. Spar. sol. H_2O. Mp 179°. Bp 204°. $[\alpha]_D^{20}$ +54.9° (c, 5 in EtOH). Subl., v. steam-volatile. Volatile at r.t.

▷EX1260000.

Oxime: Camphoroxime.
$C_{10}H_{17}NO$ M 167.250
Needles or prisms. Mp 118°. Bp 249-254° dec. $[\alpha]_D^{20}$ −42.4° (EtOH). Triboluminescent.

Semicarbazone: Needles. Mp 247-248°.

(−)-*form* [464-48-2]

Constit. of *Matricaria parthenium* and many other oils. Cryst. Mp 179°. $[\alpha]_D$ −44.2° (EtOH).

▷EX1250000.

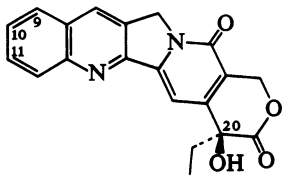
(±)-*form*

Manuf. synthetically. Plasticiser, preservative, component of celluloid plastics etc. (+)-Form also freq. used. Has minor pharmaceutical uses, e.g. topical antiinfective. Cryst. Mp 179°.

Kirk-Othmer Encyl. Chem. Technol., 2nd Ed., 1964, **4**, 54 (*rev*)
Banthorpe, D.V. *et al*, *J. Chem. Soc.* (*C*), 1970, 2694 (*biosynth*)
Allan, F.H. *et al*, *J. Chem. Soc.* (*B*), 1971, 632 (*abs config*)
Fairley, J.C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1973, 2109 (*synth*)
Verbrugge, P.A., *Chem. Tech.* (*Amsterdam*), 1975, **40**, 6 (*rev*)
Rudakov, G.A., *Chemistry and Technology of Camphor, 2nd Ed.*, 1976 (*rev*)
Mossa, J.S. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 27 (*rev*)
Trimble, L.A. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 2175 (*pmr, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 263.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 228.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 625, 626.

Camptothecin C-00024

4-Ethyl-4-hydroxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione, 9CI



$C_{20}H_{16}N_2O_4$ M 348.357

(*S*)-form [7689-03-4]

NSC 94600

Alkaloid from *Camptotheca acuminata, Mappia foetida, Ervatamia heyneana* and *Ophiorrhiza mungos* (Nyssaceae, Rubiaceae, Apocynaceae). Shows potent anticancer activity in exp. animals. Used clinically in China against gastrointestinal tumours. Also shows plant growth regulatory and insect chemosterilant props. Severe side effects have inhibited widespread clinical use. Pale-yellow needles (MeOH). Mp 264-267° dec. $[\alpha]_D^{25}$ +31.3° ($CHCl_3$/MeOH, 4:1). Nonbasic.

▷UQ0492000.

Ac: Mp 271-274° dec.

Chloroacetyl: Mp 245-248° dec.

Iodoacetyl: Mp 238-240° dec.

O-*Hexanoyl:* [72594-33-3]. ***20-Hexanoylcamptothecin***.
$C_{26}H_{26}N_2O_5$ M 446.502
Minor alkaloid from the bark of *C. acuminata* (Nyssaceae). Mp 238-242°. $[\alpha]_D^{25}$ −26° (c, 0.0017 in $CHCl_3$).

9-Methoxy: [39026-92-1]. ***9-Methoxycamptothecin***.
$C_{21}H_{18}N_2O_5$ M 378.384
Alkaloid from *M. foetida, E. heyneana, Nothapodytes foetida* and *O. mungos* (Rubiaceae, Apocynaceae, Icacinaceae). Shows v. strong activity *vs.* P-388 cells. Light-yellow cryst. ($CHCl_3$/MeOH 1:1). Mp 258-260° dec. $[\alpha]_D^{24}$ −77.5° (c, 1 in Py).

9-Methoxy, Ac: Mp 231-232°.

10-Hydroxy: [19685-09-7]. ***10-Hydroxycamptothecin***.
$C_{20}H_{16}N_2O_5$ M 364.357
Minor alkaloid from *C. acuminata* (Nyssaceae). Cryst. + $1H_2O$. Mp 268-270°.

▷UQ0491700.

10-Hydroxy, Ac: Cryst. (MeOH). Mp 255-257°.

10-Hydroxy, di-Ac: Mp 270-273°.

11-Hydroxy: [68426-53-9]. ***11-Hydroxycamptothecin***.
$C_{20}H_{16}N_2O_5$ M 364.357
Alkaloid from the fruits of *C. acuminata* (Nyssaceae). Has antitumour props. Mp 327-330° dec. $[\alpha]_D^{21}$ −30.7° (c, 0.326 in Py).

10-Methoxy: [19685-10-0]. ***10-Methoxycamptothecin***.
$C_{21}H_{18}N_2O_5$ M 378.384
Alkaloid from *C. acuminata* and *O. mungos* (Nyssaceae, Rubiaceae). Inhibitor of herpes virus. Yellow cryst. (Me_2CO). Mp 255-256° dec.

10-Methoxy, 20-hexanoyl: [72594-34-4]. ***20-Hexanoyl-10-methoxycamptothecin***.
$C_{27}H_{28}N_2O_6$ M 476.528
Alkaloid from the bark of *C. acuminata* (Nyssaceae).

(±)-form
Synthetic. Cryst. (MeOH/$CHCl_3$ or EtOAc). Mp 276-278°.

20-Deoxy: [34141-35-0]. ***20-Deoxycamptothecin***.
$C_{20}H_{16}N_2O_3$ M 332.358
Minor alkaloid from the bark of *C. acuminata* (Nyssaceae). Cryst. ($CHCl_3$/MeOH/Et_2O). Mp 258-263°.

10-Hydroxy: [64439-81-2]. Synthetic. Cryst. + $1H_2O$ ($CHCl_3$/MeOH). Mp 327-330° (265-268°).

10-Methoxy: [64439-80-1]. Synthetic. Needles (MeOH/$CHCl_3$). Mp 272-273°.

Wall, M.E. *et al, J. Am. Chem. Soc.*, 1966, **88**, 3888 (*isol, uv, ir, pmr, cryst struct*)

Wani, M.C. *et al, J. Org. Chem.*, 1969, **34**, 1364 (*isol, uv, ir, pmr, struct, 10-Hydroxycamptothecin, 10-Methoxycamptothecin*)

Volkmann, R. *et al, J. Am. Chem. Soc.*, 1971, **93**, 5576 (*synth*)

Boch, M. *et al, Chem. Ber.*, 1972, **105**, 2126 (*synth*)

Govindachari, T.R. *et al, Indian J. Chem.*, 1972, **10**, 453; *Phytochemistry*, 1972, **11**, 3529 (*isol, uv, ir, pmr, ms, struct, 9-Methoxycamptothecin*)

Tang, C. *et al, J. Am. Chem. Soc.*, 1972, **94**, 8615 (*synth, uv*)

Winterfeldt, E. *et al, Angew. Chem., Int. Ed. Engl.*, 1972, **11**, 289 (*synth*)

Agarwal, J.S. *et al, Indian J. Chem.*, 1973, **11**, 969 (*isol, 9-Methoxycamptothecin*)

Schultz, A.G., *Chem. Rev.*, 1973, **73**, 385 (*rev*)

Sugasawa, T. *et al, Chem. Pharm. Bull.*, 1974, **22**, 77 (*synth, ir, pmr*)

Tang, C.S.F. *et al, J. Am. Chem. Soc.*, 1975, **97**, 159 (*synth, uv, pmr*)

Bradley, J.C. *et al, J. Org. Chem.*, 1976, **41**, 699 (*synth*)

Tafur, S. *et al, Lloydia*, 1976, **39**, 261 (*isol, uv, pmr, 10-Methoxycamptothecin*)

Sheriha, G.M. *et al, Phytochemistry*, 1976, **15**, 505 (*biosynth*)

Heckendorf, A.H. *et al, Tetrahedron Lett.*, 1977, 4153 (*biosynth*)

Adamovics, J.A. *et al, Phytochemistry*, 1979, **18**, 1085 (*isol, ir, pmr, ms, struct, 20-Deoxycamptothecin, 20-Hexanoylcamptothecin, 10-Methoxycamptothecin*)

Gunasekera, S.P. *et al, J. Nat. Prod.*, 1979, **42**, 475 (*isol, uv, ir, pmr, ms, 9-Methoxycamptothecin*)

Wani, M.C. *et al, J. Med. Chem.*, 1980, **23**, 554 (*synth, 20-Deoxycamptothecin, 10-Hydroxycamptothecin, 10-Methoxycamptothecin*)

Kametani, T. *et al, J. Chem. Soc., Perkin Trans. 1*, 1981, 1563 (*synth, 10-Methoxy*)

Cai, J.-C. *et al, Alkaloids (N.Y.)*, 1983, **21**, 101 (*rev, pharmacol*)

Earl, R.A., *J. Am. Chem. Soc.*, 1983, **105**, 6991 (*synth*)

Ihara, M. *et al, J. Org. Chem.*, 1983, **48**, 3150 (*synth*)

Earl, R.A. *et al, J. Org. Chem.*, 1984, **49**, 4786 (*synth*)

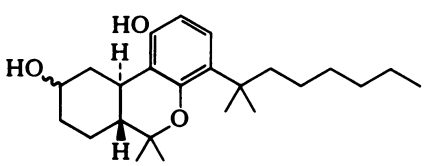
Danieli, B. *et al, Alkaloids (N.Y.)*, 1986, **23**, 120 (*rev, pharmacol*)

Wall, M.E. *et al, J. Med. Chem.*, 1986, **29**, 1553 (*10-Hydroxycamtothecin*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12515.

Canbisol, INN C-00025

3-(1,1-Dimethylheptyl)hexahydro-6,6-dimethyl-6H-dibenzo[b,d]pyran-1,9-diol, 9CI



$C_{24}H_{38}O_3$ M 374.562

(±)-form [56689-43-1]

Dihydronabilone. Lilly 106990. Nabidrox

Antihypertensive, anticholinergic agent.

B,2HCl: Aracan. Licosin. Mp 173-175°.

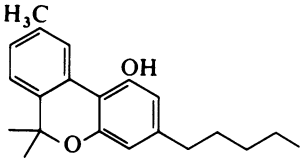
▷MB9640000.

U.S.P., 4 024 275, (*1977*); *CA*, **87**, 102171v (*synth, pharmacol*)
Stark, P. *et al*, *J. Pharmacol. Exp. Ther.*, 1980, **214**, 132, 139 (*pharmacol*)

Cannabinol, BAN, INN C-00026

6,6,9-Trimethyl-3-pentyl-6H-dibenzo[b,d]*pyran-1-ol*

[521-35-7]



$C_{21}H_{26}O_2$ M 310.435

Isol. from *Cannabis sativa*. Cryst. (pet. ether). Mp 76-77°. $Bp_{0.05}$ 185°. Constituent of Cannabis.

▷HP8575000.

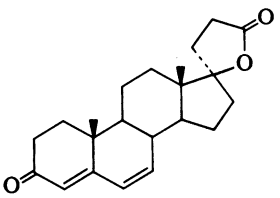
4-Nitrobenzoyl: Yellow cryst. (MeOH). Mp 165-166°.

Archer, R.A. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 5200 (*struct*)
Crombie, L. *et al*, *Phytochemistry*, 1975, **14**, 213 (*synth*)
Inayama, S. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2209 (*ms*)
Ottersen, T. *et al*, *Acta Chem. Scand.*, 1977, **31**, 781 (*cryst struct*)
Meltzer, P.C. *et al*, *Synthesis*, 1981, 985 (*synth*)
Novak, J. *et al*, *Tetrahedron Lett.*, 1982, **23**, 253 (*synth*)
Agurell, S. *et al*, *CA*, 1986, **104**, 49 (*rev, metab*)
Yamamoto, I. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 2144 (*pharmacol*)
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 691.

Canrenone, USAN, INN C-00027

17β-Hydroxy-3-oxopregna-4,6-diene-21-carboxylic acid γ-lactone, *9CI*, *8CI*. *17α-(2-Carboxyethyl)-17β-hydroxyandrosta-4,6-dien-3-one lactone. Contaren. Luvion. Phanurane. Spiroktan. RP 11614. SC 9376*

[976-71-6]



$C_{22}H_{28}O_3$ M 340.461

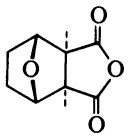
Aldosterone antagonist, diuretic. Mp 149-151° (solidifies); Mp 165° (remelts). $[\alpha]_D$ +24.5° ($CHCl_3$).

Cella, J.A., *J. Org. Chem.*, 1959, **24**, 1109 (*synth, pharmacol*)
Haskins, N.J. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 423 (*ms*)
Ramsay, L.E. *et al*, *Br. J. Clin. Pharmacol.*, 1976, **3**, 607 (*metab, pharmacol*)
Weeks, C.M. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 271 (*cryst struct*)
Williamson, D.E., *J. Pharm. Sci.*, 1976, **65**, 138 (*hplc, chromatog*)
Highet, R.J. *et al*, *Steroids*, 1980, **35**, 119 (*cmr*)
Johnson, W.S. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3510 (*synth*)
Kojima, K. *et al*, *J. Pharmacobio.-Dyn.*, 1985, **8**, 161.
Karim, A. *et al*, *Curr. Clin. Pract. Ser.*, 1986, **35**, 22, 47 (*rev, pharmacol, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2312, 2313.

Cantharidin C-00028

Hexahydro-3a,7a-dimethyl-4,7-epoxyisobenzofuran-1,3-dione, *9CI*. *Cantharides camphor. Cantharone*

[56-25-7]



$C_{10}H_{12}O_4$ M 196.202

Occurs in *Lytta vesicatoria* and many other insects. Has reputed aphrodisiac props. Vesicant, counterirritant and diuretic. Plates. Mp 218°.

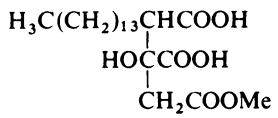
▷Skin irritant and tumour promoting agent. RN8575000.

Stork, G. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 384 (*synth*)
Peter, M.G. *et al*, *Helv. Chim. Acta*, 1977, **60**, 2756 (*biosynth*)
Zehnder, M. *et al*, *Helv. Chim. Acta*, 1977, **60**, 740 (*cryst struct*)
Woggon, W.-D. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 272 (*biosynth*)
Dauben, W.G. *et al*, *J. Org. Chem.*, 1985, **50**, 2576 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12518.

Caperatic acid, 9CI C-00029

2-Hydroxy-1,2,3-heptadecanetricarboxylic acid 1-methyl ester, *9CI*

[29227-64-3]



$C_{21}H_{38}O_7$ M 402.527

Isol. from Parmeliaceae. Shows tuberculostatic activity. Mp 132°. $[\alpha]_D^{10}$ −3.85°.

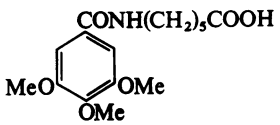
Parent acid: **Norcaperatic acid**.
$C_{20}H_{36}O_7$ M 388.500
Isol. from fruiting bodies of *Cantharellus floccosus*. Cryst. (H_2O). Mp 138-139°.

Shibata, S. *et al*, *J. Pharm. Soc. Jpn.*, 1948, **68**, 300; *CA*, **45**, 6691.
Klosa, J., *Med. Monatsschr.*, 1950, **4**, 816; *CA*, **45**, 2154.
Miyata, J.T. *et al*, *Lloydia*, 1966, **29**, 43 (*isol, Norcapertic acid*)
Brandänge, S. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 889 (*struct*)

Capobenic acid, USAN, INN C-00030

6-[(3,4,5-Trimethoxybenzoyl)amino]hexanoic acid, *9CI*. *6-(3,4,5-Trimethoxybenzamido)hexanoic acid*, *8CI*. *3,4,5-Trimethoxybenzoyl-ε-aminocaproic acid. Capben. Cardobiol. Cetrenel. Kelevitol. Pectoris. Trifartine*

[21434-91-3]



$C_{16}H_{23}NO_6$ M 325.361

Antiarrhythmic agent, vasodilator, antianginal used for treatment of cardiac infarction. Insol. Et_2O, CCl_4. Mp 121-123°.

Na salt: [27276-25-1]. *Capobenate sodium*, *USAN*. *Miocorden*.

▷MO8439000.

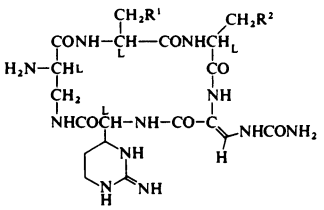
Ariano, M. *et al*, *Riv. Farmacol. Ter.*, 1971, **2**, 17 (*pharmacol, tox*)
Fontana, S. *et al*, *Riv. Farmacol. Ter.*, 1971, **2**, 83 (*metab*)

Ger. Pat., 2 034 192, (*1971*); *CA*, **75**, 5513c (*synth, pharmacol, tox*)
Novak, P. *et al*, *Collect. Czech. Chem. Commun.*, 1973, **38**, 2621 (*synth, bibl*)
Baggio, G. *et al*, *Riv. Farmacol. Ter.*, 1982, **13**, 111 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12520.

Capreomycin, BAN, INN C-00031

Capromycin. Caprolin. Capastat. Capostatin. L 29275

[11003-38-6]



Capreomycin IA R^1 = OH, R^2 = —NHCOCH$_2$CH(NH$_2$)(CH$_2$)$_3$NH$_2$
IB R^1 = H, R^2 = —NHCOCH$_2$CH(NH$_2$)(CH$_2$)$_3$NH$_2$
IIA R^1 = OH, R^2 = H
IIB R^1 = R^2 = H

Capreomycin is a mixt. of four cyclic peptides, Capreomycins IA (25%), IB (67%), IIA (3%) and IIB (6%). Isol. from *Streptomyces capreolus*. Clinically used tuberculostat.

Disulfate: Caprocin. Ogostal. Capreomycin sulfate, USAN.

Capreomycin IA [37280-35-6]
$C_{25}H_{44}N_{14}O_8$ M 668.712
Active against gram-positive and -negative bacteria and mycobacteria. Shows tuberculostatic and antitumour props.
Cryst. Mp 246-248°. $[\alpha]_D^{22}$ −22.0° (c, 0.5 in H_2O).
▷EX8926000.

Capreomycin IB [33490-33-4]
6-L-Alaninecapreomycin IA
$C_{25}H_{44}N_{14}O_7$ M 652.712
Cryst. Mp 253-255°. $[\alpha]_D^{22}$ −44.6° (c, 0.5 in H_2O).
▷EX8927000.

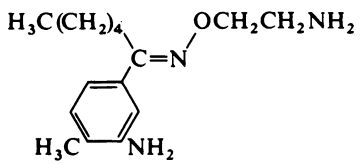
Capreomycin II
A mixt. of 2 subcomponents, Capreomycins IIA and IIB, not yet separated.
▷EX8928000.

Herr, E.B., *Antimicrob. Agents Chemother.*, 1962, 201 (*isol*)
Bycroft, B.W. *et al*, *Nature* (*London*), 1971, **231**, 301
Shiba, T. *et al*, *J. Antibiot.*, 1977, **30**, 955 (*struct*)
Nomoto, S. *et al*, *Tetrahedron*, 1978, **34**, 921 (*synth, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7554.

Caproxamine, BAN, INN C-00032

1-(3-Amino-4-methylphenyl)-1-hexanone O-(2-aminoethyl)oxime, 9CI

[53078-44-7]



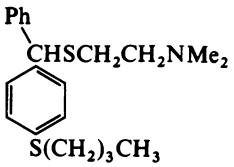
$C_{15}H_{25}N_3O$ M 263.382

(E)-form
Antidepressant. $Bp_{0.05}$ 136-138°.
B,H$_2$SO$_4$: [53078-45-8]. *DU 22550.*
U.S.P., 3 937 841, (*1976*); *CA*, **85**, 20854q (*synth, pharmacol*)

Captodiame, BAN, INN C-00033

2-[[[4-(Butylthio)phenyl]phenylmethyl]thio]-N,N-dimethylethanamine, 9CI. 4-Butylthio-α-phenylbenzyl 2-dimethylaminoethyl sulfide. Captodiamine

[486-17-9]



$C_{21}H_{29}NS_2$ M 359.587
Sedative, tranquilliser, antihistamine.
▷KQ8563000.

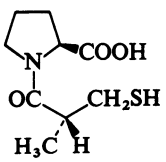
B,HCl: [904-04-1]. *Captodramine hydrochloride. Covatine. Covatix. Suvren. AY 55074.* Cryst. (EtOH/Et_2O). Mp 131-132°.
▷KQ8575000.

Petersen, P.V. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **108**, 201 (*pharmacol*)
Kopf, R. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 154 (*pharmacol, tox*)
U.S.P., 2 830 088, (*1958*); *CA*, **52**, 14690 (*synth, pharmacol*)
Takahashi, K. *et al*, *Chem. Pharm. Bull.*, 1960, **8**, 757 (*synth*)
Protiva, M. *et al*, *Cesk. Farm.*, 1962, **11**, 308 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7013.

Captopril, BAN, USAN, INN, JAN C-00034

1-(3-Mercapto-2-methyl-1-oxopropyl)proline. Capoten. Other synonyms

[62571-86-2]



$C_9H_{15}NO_3S$ M 217.282
▷UY0550000.

(S)-form
Drug used for diagnosis and treatment of renin-dependent hypertension. Mp 105-106°. $[\alpha]_D^{25}$ −129.8° (c, 2.0 in EtOH).

Ger. Pat., 2 703 828, (*1977*); *CA*, **88**, 7376c (*synth*)
Ondetti, M.A. *et al*, *Science*, 1977, **196**, 441 (*use*)
Cardoni, A.A. *et al*, *Drug Intell. Clin. Pharm.*, 1981, **15**, 932 (*pharmacol, rev*)
Horovitz, Z.P. *et al*, *Pharmacol. Biochem. Drug Subst.*, 1981, **3**, 148 (*pharmacol*)
Condon, M.E. *et al*, *J. Med. Chem.*, 1982, **25**, 250 (*synth*)
Kadin, H., *Anal. Profiles Drug Subst.*, 1982, **11**, 79 (*synth, prop, detn, pharmacol, rev*)
Shimazaki, M. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3139 (*synth*)
Aboul-Enein, H.Y. *et al*, *Spectrosc. Lett.*, 1985, **18**, 419 (*pmr, conformn*)
Drummer, O.H. *et al*, *Med. Res. Rev.*, 1986, **6**, 75 (*rev, metab*)
Bashiardes, C. *et al*, *Tetrahedron Lett.*, 1987, **28**, 5563 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 856.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1331.

Capuride, USAN, INN **C-00035**

(2-Ethyl-3-methylvaleroyl)urea, 8CI. N-*(Aminocarbonyl)-2-ethyl-3-methylpentanamide. Pacinox. McN X-94. NSC 27178*

[5579-13-5]

$H_3CCH_2CH(CH_3)CH(CH_2CH_3)CONHCONH_2$

$C_9H_{18}N_2O_2$ M 186.253

Hypnotic. Mp 172.5-174.5°.

Volwiler, E.H. *et al*, *J. Am. Chem. Soc.*, 1936, **58**, 1352 (*synth*)
U.S.P., 3 282 998, (*1966*); *CA*, 10621w (*synth*)
Goldstein, L. *et al*, *Biol. Psychiat.*, 1971, **3**, 165 (*pharmacol*)
Johnson, P.C. *et al*, *Clin. Pharmacol. Ther.*, 1972, **13**, 377 (*metab*)

Caracemide, USAN, INN **C-00036**

N-[*(Methylamino)carbonyl*]-N-[[*(methylamino)-carbonyl*]*oxy*]*acetamide, 9CI.* N-*Acetyl*-N,O-*bis(methylcarbamoyl)hydroxylamine. NSC 253272*

[81424-67-1]

MeNHCOONAcCONHMe

$C_6H_{11}N_3O_4$ M 189.171

Antineoplastic agent. Cryst. Mp 121-123.5°.

Ger. Pat., 3 305 107, (*1983*); *CA*, **100**, 6101p (*synth, pharmacol*)
Newman, R.A. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 2781 (*rev, pharmacol*)
Pazdur, R. *et al*, *Invest. New Drugs*, 1987, **5**, 365 (*pharmacol*)

Caramiphen, BAN, INN **C-00037**

1-Phenylcyclopentanecarboxylic acid 2-(diethylamino)-ethyl ester, 9CI

[77-22-5]



$C_{18}H_{27}NO_2$ M 289.417

Anticholinergic, spasmolytic drug for Parkinsonism. Liq. Bp_7 156-158°, $Bp_{0.05}$ 110-115°.

▷GY3700000.

B,HCl: [125-85-9]. *Pentaphen. Panparnit. Parpanit. Pentafen. G 2747.* Cryst. Mp 145-146°.

▷GY3870000.

Ethanedisulphonate (2:1): [125-86-0]. *Tussoryl. Alcopon. Parenton. Taoryl. Toryn. Tosivia. SKF 769J2.* Used in antitussives. Cryst. (Me_2CO). Sol. H_2O, EtOH. Mp 115-116°.

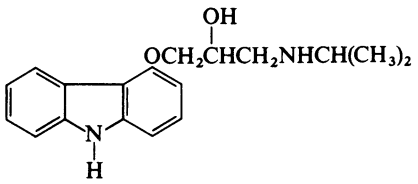
▷GY3850000.

Swiss Pat., 234 452, (*1945*); *CA*, **43**, 6229b (*synth*)
Japan. Pat., 52 78, (*1952*); *CA*, **48**, 8820e (*synth*)
Toner, J.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1952, **106**, 246 (*pharmacol*)
Bannard, R.A.B., *Can. J. Chem.*, 1970, **48**, 1377.
Domino, E.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1985, **233**, 249 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 352.

Carazolol, BAN, INN **C-00038**

1-(9H-Carbazol-4-yloxy)-3-[(1-methylethyl)amino]-2-propanol, 9CI. 1-(4-Carbazolyloxy)-3-(isopropylamino)-2-propanol. Conducton. Suacron. BM 51052

[57775-29-8]



$C_{18}H_{22}N_2O_2$ M 298.384

▷UA8650000.

(±)-*form* [69207-57-4]

β-Adrenergic blocking agent.

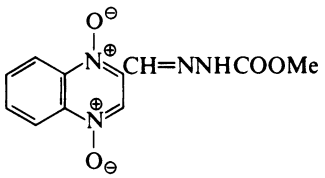
B,HCl: [51997-43-4]. Mp 234-235°.

Ger. Pat., 2 240 599, (*1974*); *CA*, **80**, 133455a (*synth, pharmacol*)
Kaiser, G. *et al*, *Arch. Pharmacol.*, 1978, **305**, 41 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12521.

Carbadox, BAN, USAN, INN **C-00039**

(2-Quinoxalinylmethylene)hydrazinecarboxylic acid methyl ester N,N′-*dioxide, 9CI. 3-(2-Quinoxalinylmethylene)carbazic acid methyl ester* N^1,N^4-*dioxide, 8CI. Fortigro. Getroxel. Mecadox. GS 6244*

[6804-07-5]



$C_{11}H_{10}N_4O_4$ M 262.224

Antibacterial agent. Animal growth promoter. Minute yellow cryst. Insol. H_2O. Mp 239.5-240°.

▷FE2779000.

Belg. Pat., 669 353, (*1965*); *CA*, **65**, 7196 (*synth, props*)
Lojka, J. *et al*, *Cesk. Farm.*, 1981, **30**, 278 (*synth*)
Haddadin, M.J. *et al*, *J. Org. Chem.*, 1985, **50**, 129 (*synth*)
Jager, L.P. *et al*, *CA*, 1987, **106**, 43265 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12522.

Carbamoylcholine(1+) **C-00040**

2-[(Aminocarbonyl)oxy]-N,N,N-*trimethylethanaminium, 9CI. Choline carbamate, 8CI. Numerous proprietary names*

[462-58-8]

$Me_3N^{\oplus}CH_2CH_2COONH_2$

$C_6H_{15}N_2O_2^{\oplus}$ M 147.197 (ion)

Cholinergic, parasympathomimetic agent.

Chloride: [51-83-2]. ***Carbachol, INN.*** *Carcholin. Numerous proprietary names.*
$C_6H_{15}ClN_2O_2$ M 182.650
Hard prisms. Insol. $CHCl_3$, Et_2O. Mp 204-205°. Hygroscopic.

▷GA0875000.

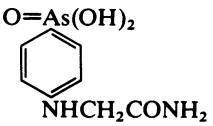
Kreitmair, H., *Chem. Zentralbl.*, 1933, **2**, 2698 (*synth*)
Brimblecombe, R.W. *et al*, *Int. J. Neuropharmacol.*, 1969, **8**, 131 (*pharmacol*)

Partington, P. *et al*, *Mol. Pharmacol.*, 1972, **8**, 269 (*nmr*)
Simeral, L. *et al*, *Org. Magn. Reson.*, 1974, **6**, 226 (*cmr*)
Jensen, B., *Acta Chem. Scand., Ser. B*, 1975, **29**, 891 (*cryst struct*)
Shabanowitz, J. *et al*, *Biomed. Mass Spectrom.*, 1975, **2**, 164 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 585 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4511.

N-(Carbamoylmethyl)arsanilic acid, 8CI C-00041

4-[(2-Amino-2-oxoethyl)amino]phenylarsonic acid, 9CI. p-*Arsono*-N-*phenylglycinamide.* N-(*Phenyl*-p-*arsinic acid*)*glycineamide.* ***Tryparsamide, INN***

[515-78-6]



$C_8H_{11}AsN_2O_4$ M 274.108

Antitrypanosomal, chemotherapeutic agent. Colourless cryst. Mp >280°.

▷Toxic

Na salt: [554-72-3]. *Glyphenarsine. Novatoxyl. Triparsam. Tryparsone. Tryponarsyl. Trypothane.* Sol. H_2O.

Org. Synth., Coll. Vol., **1**, 488 (*synth*)
Jacobs, W.A. *et al*, *J. Am. Chem. Soc.*, 1919, **41**, 1590 (*synth*)
Williamson, J. *et al*, *Biochem. Pharmacol.*, 1975, **24**, 147 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6000.

Carbantel, INN C-00042

N-[[(*4-chlorophenyl*)*amino*]*carbonyl*]*pentanimidamide, 9CI. 1-*(p-*Chlorophenyl*)*-3-valerimidoylurea, 8CI. Win 29194*

[22790-84-7]



$C_{12}H_{16}ClN_3O$ M 253.731

Anthelmintic. Cryst. (C_6H_6/hexane). Mp 82-84°.

B,HCl: [25082-83-1]. Cryst. (EtOH). Mp 202-204°.

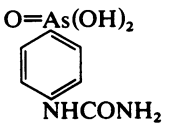
Dodecanesulfonate (1:1): [54644-15-4]. *Carbantel lauryl sulfate, USAN. Win 29194-6.*

Diana, G.D. *et al*, *J. Med. Chem.*, 1969, **12**, 791 (*synth, pharmacol*)
Fr. Pat., 2 003 438, (*1969*); *CA*, **72**, 78735z (*synth, pharmacol*)

Carbarsone, INN, USAN C-00043

4-[(Aminocarbonyl)amino]phenylarsonic acid, 9CI. N-*Carbamoylarsanilic acid, 8CI.* p-*Ureidophenylarsonic acid.* p-*Arsonophenylurea. Aminarson. Carbarzone. Other proprietary names*

[121-59-5]



$C_7H_9AsN_2O_4$ M 260.081

Antiamoebic, antihistomonad for turkeys. Needles (H_2O). Mp 174°.

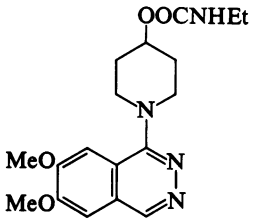
▷Toxic, exp. carcinogen. CF9275000.

Stickings, R.W.E., *J. Chem. Soc.*, 1928, 3131 (*synth*)
Banks, C.K. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 2102 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1966, **21**, 460 (*uv*)
Oser, B.L. *et al*, *Toxicol. Appl. Pharmacol.*, 1966, **9**, 528 (*tox*)
Hoodless, R.A. *et al*, *Analyst*, 1973, **98**, 502 (*anal*)
Eldesouki, M.H., *Mikrochim. Acta*, 1981, **2**, 261 (*anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 705 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4762.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 468.

Carbazeran, USAN, INN C-00044

1-(6,7-Dimethoxy-1-phthalazinyl)-4-piperidinylethyl carbamate, 9CI. UK 31557

[70724-25-3]



$C_{18}H_{24}N_4O_4$ M 360.412

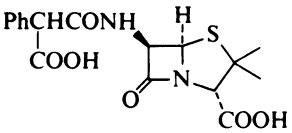
Cardiotonic drug. Yellow cryst. (MeCN). Mp 182-186°.

B.P., 2 000 136, (*1979*); *CA*, **91**, 193331u (*synth, pharmacol*)
Hillis, W.S. *et al*, *Eur. Heart J.*, 1982, **3**, 97 (*props*)
Kaye, B. *et al*, *Xenobiotica*, 1984, **14**, 935; 1985, **15**, 237 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12524.

Carbenicillin, INN C-00045

α-Carboxybenzylpenicillin

[4697-36-3]



$C_{17}H_{18}N_2O_6S$ M 378.399

Semisynthetic penicillin. Parenteral antibiotic active against *Pseudomonas aeruginosa.*

Di-Na salt: [4800-94-6]. *Carbenicillin disodium, USAN. Geopen. Pyopen. BRL 2064. CP 15639-2. Antibiotic BRL 2064. Antibiotic CP 15639-2. NSC 111071. Other proprietary names.*

▷ON9105000.

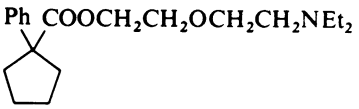
Mono-K salt: [17230-86-3]. *Carbenicillin potassium, USAN. GS-3159.*

Belg. Pat., 646 991, (*1964*); *CA*, **63**, 13269 (*synth*)
Acred, P. *et al*, *Nature (London)*, 1967, **215**, 25
Butler, K. *et al*, *J. Infect. Dis.*, 1970, **122**, (*Suppl.*), 81 (*rev*)
Palmer, W.R. *et al*, *Carbenicillin. Basic Data for Therapy*, Urban und Schwartzenberg, Munich, 1977 (*book*)
Peterson, C.D. *et al*, *Drug Intell. Clin. Pharm.*, 1977, **11**, 482 (*rev, pharmacol*)
Bird, A.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Neu, H.C., *Med. Clin. North Am.*, 1982, **66**, 61 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4360 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 24.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 635.

Carbetapentane C-00046

1-Phenylcyclopentanecarboxylic acid 2-(2-diethylaminoethoxy)ethyl ester, 9CI. 2-(Diethylaminoethoxy)ethyl 1-phenyl-1-cyclopentanecarboxylate. Carbapentane. ***Pentoxyverine, INN***

[77-23-6]



$C_{20}H_{31}NO_3$ M 333.470

Antitussive. $Bp_{0.01}$ 165-170°.

B,HCl: [1045-21-2]. Mp 71-72°.

▷GY3520000.

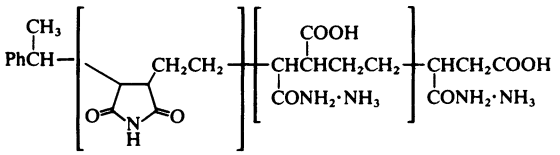
Citrate (1:1): [23142-01-0]. *Toclase. Carbetane. Numerous proprietary names.* Sol. H_2O, $CHCl_3$, insol. Et_2O, pet. ether, C_6H_6.

B.P., 753 799, (*1956*); *CA*, **51**, 7443d (*synth*)
Belg. Pat., 563 825, (*1958*); *CA*, **53**, 8078b (*synth*)
Wellans, D., *Arzneim.-Forsch.*, 1967, **17**, 475 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5607.

Carbetimer, INN, USAN C-00047

Carbethimer. Carboxyimamidate. N 137. NED 137. NSC 329514D

[82230-03-3]



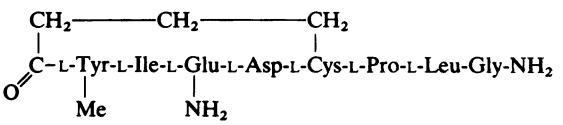
2,5-Furandione polymer with ethene, reaction prod. with NH_3. Antineoplastic agent.

Fields, J.E. *et al*, *J. Med. Chem.*, 1982, **25**, 1060 (*synth, pharmacol*)
Ardalan, B. *et al*, *Cancer Res.*, 1986, **46**, 5473 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3410.

Carbetocin, BAN, INN C-00048

1-Butanoic acid-2-(O-methyl-L-tyrosine)-1-carbaoxytocin, 9CI. 1-Butyric acid-2-[3-(4-methoxyphenyl)-L-alanine]oxytocin. Comoton. Depotocin

[37025-55-1]



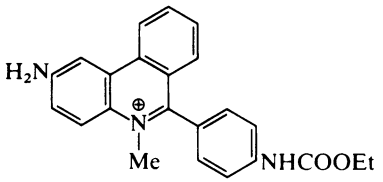
$C_{45}H_{69}N_{11}O_{12}S$ M 988.167

Oxytocic agent. $[\alpha]_D$ −69° (c, 0.25 in 1M AcOH).

Fric, I. *et al*, *Collect. Czech. Chem. Commun.*, 1974, **39**, 1290 (*synth, cd*)
Barth, T. *et al*, *Endocrinol. Exp.*, 1976, **10**, 65 (*pharmacol*)

Carbidium(1+) C-00049

2-Amino-6-[4-[(ethoxycarbonyl)amino]phenyl]-5-methylphenanthridinium, 9CI



$C_{23}H_{22}N_3O_2^{\oplus}$ M 372.446 (ion)

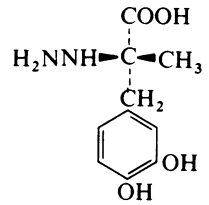
Antibacterial agent.

Ethanesulfonate: [3811-06-1]. *Carbidium ethane sulfonate.* Deep yellow prisms (H_2O). Mp 288-290° dec.

Goodwin, L.G. *et al*, *Br. J. Pharmacol.*, 1950, **5**, 277, 287 (*pharmacol*)
Walls, L.P., *J. Chem. Soc.*, 1950, 3511 (*synth*)
Seaman, A. *et al*, *Br. J. Pharmacol.*, 1954, **9**, 265 (*pharmacol*)

Carbidopa, BAN, USAN, INN, JAN C-00050

α-Hydrazino-3,4-dihydroxy-α-methylbenzenepropanoic acid, 9CI. α-Hydrazino-3,4-dihydroxy-α-methylhydrocinnamic acid, 8CI. Lodosyn. Lodysin. Menesit. Neo-Dopaston. MK 486



(*S*)-*form*
Absolute configuration

$C_{10}H_{14}N_2O_4$ M 226.232

▷MW5298000.

(S)-form [28860-95-9]

Peripheral decarboxylase inhibitor. Cryst. (H_2O). Mp 203-205° dec. $[\alpha]_D$ −17.3° (MeOH). Component of Sinemet.

▷MW5298000.

(±)-form [28875-92-5]

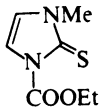
Fluffy tan cryst. Mp 206-208°.

Karady, S. *et al*, *J. Org. Chem.*, 1971, **36**, 1949 (*synth*)
Lotti, V., *Adv. Neurol.*, 1973, **2**, 91 (*rev, pharmacol*)
Rao, S.K. *et al*, *Adv. Neurol.*, 1973, **3**, 73 (*rev, metab, pharmacol*)
Falck, R.L., *Drug Intell. Clin. Pharm.*, 1976, **10**, 84 (*rev*)
Pinder, R.M. *et al*, *Drugs*, 1976, **11**, 329 (*rev*)
Lotti, V.J. *et al*, *Clin. Ther.*, 1977, **1**, 66 (*Sinemet*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4547.

Carbimazole, BAN, INN C-00051

2,3-Dihydro-3-methyl-2-thioxo-1H-imidazole-1-carboxylic acid ethyl ester, 9CI. O-Ethyl S-(1-methylimidazol-2-yl)carbamate, 8CI. 1-Ethoxycarbonyl-2,3-dihydro-3-methyl-2-thioimidazole. Neomercazole. Other proprietary names

[22232-54-8]



$C_7H_{10}N_2O_2S$ M 186.228

Antithyroid drug. Mp 122-125°.

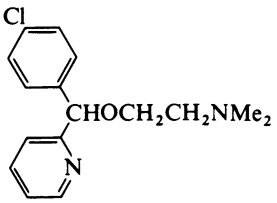
▷NJ2441000.

Baker, J.A., *J. Chem. Soc.*, 1958, 2387 (*synth*)
Taurog, A., *Endocrinology*, 1976, **98**, 1031 (*pharmacol*)
Skellern, G.G. *et al*, *Xenobiotica*, 1977, **7**, 247 (*metab*)
Al-Badr, A.A., *Spectrosc. Lett.*, 1983, **16**, 613 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 728 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 831.

Carbinoxamine, BAN C-00052

2-[(4-Chlorophenyl)-2-pyridinylmethoxy]-N,N-dimethylethanamine, 9CI. 2-[p-Chloro-α-[2-(dimethylamino)ethoxy]benzyl]pyridine, 8CI

[486-16-8]



$C_{16}H_{19}ClN_2O$ M 290.792

▷US6330000.

(−)-form [5560-77-0]

Rotoxamine, INN, USAN

$Bp_{0.5}$ 143-144°. $[\alpha]_D^{25}$ −6.8° (c, 20 in MeOH). The pharmacologically active enantiomer.

Maleate (1:1): Mp 135-138°. $[\alpha]_D^{25}$ +41.2° (c, 2 in MeOH).

(±)-form [59811-38-0]

Antihistamine. Bp_2 164-167° (part. dec.).

B,HCl: Mp 162-164° dec.

Maleate (1:1): [3505-38-2]. *Carbinoxamine maleate, USAN. Other proprietary names.* Component of Brexin and Rondec.

▷US6350000.

Sperber, N. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 887 (*synth*)
Garat, B.R. *et al*, *J. Allergy*, 1956, **27**, 57 (*pharmacol*)
B.P., 905 933, (*1962*); *CA*, **58**, 5643g (*resoln, ir*)
Japan. Pat., 63 15 636, (*1963*); *CA*, **60**, 4115h (*deriv*)
Bertolasi, V. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2287 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4006.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6113.

Carbiphene, BAN C-00053

α-Ethoxy-N-methyl-N-[2-[methyl(2-phenylethyl)-amino]ethyl]-α-phenylbenzeneacetamide, 9CI. ***Carbifene, INN***

[15687-16-8]

$PhCH_2CH_2NMeCH_2CH_2NMeCOCPh_2OEt$

$C_{28}H_{34}N_2O_2$ M 430.589

Analgesic.

B,HCl: [467-22-1]. *Carbiphene hydrochloride, USAN. Jubalon. Etomide hydrochloride. Etymide hydrocholoride. Bandol. Bantol. SQ 10269. NSC 106959.* Mp 163-165°.

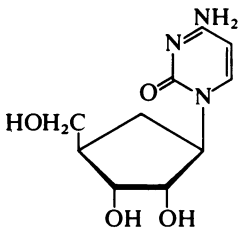
▷AB8400000.

Krapcho, J. *et al*, *J. Med. Chem.*, 1963, **6**, 547.
Braun, G. *et al*, *Proc. Soc. Exp.. Biol. Med.*, 1965, **118**, 983 (*metab*)
Piala, J.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1965, **154**, 484 (*pharmacol*)
Bellville, J.W. *et al*, *Clin. Pharmacol. Ther.*, 1968, **9**, 16 (*props*)

Carbodine C-00054

4-Amino-1-[2,3-dihydroxy-4-(hydroxymethyl)-cyclopentyl]-2(1H)-pyrimidinone

[62805-43-0]



$C_{10}H_{15}N_3O_4$ M 241.246

Carbocyclic analogue of cytidine; antitumour, antiviral. Cryst. (H_2O). Mp 253-255°.

Shealy, Y.F. *et al*, *J. Heterocycl. Chem.*, 1976, **13**, 1353; 1980, **17**, 353 (*synth, ms, uv, pmr, cmr*)
Shealy, Y.F. *et al*, *J. Med. Chem.*, 1986, **29**, 1720 (*biochem, bibl*)

Carbolonium(2+) C-00055

N,N,N,N′,N′,N′-Hexamethyl-4,13-dioxa-3,14-dioxa-5,12-diazahexadecane-1,16-diaminium, 9CI. Hexamethylenebis(carbamoylcholine)

[13309-41-6]

$Me_3N^{\oplus}CH_2CH_2OOCNH(CH_2)_6NHCOOCH_2CH_2NMe_3^{\oplus}$

$C_{18}H_{40}N_4O_4^{\oplus\oplus}$ M 376.538 (ion)

Muscle relaxant.

Dibromide: [306-41-2]. *Carbolonium bromide, BAN. Hexcarbacholine bromide, INN. Hexabiscarbacholine. Calbogen. Imbretil. BC 16. HC 406.*

$C_{18}H_{40}Br_2N_4O_4$ M 536.346

Diiodide: [2001-72-1]. *LBC 131. Synrex.*

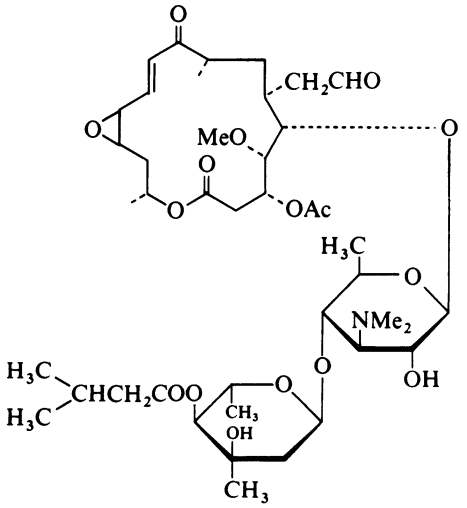
▷GA4763000.

Cheymol, J., *C. R. Hebd. Seances Acad. Sci.*, 1952, **235**, 1711 (*pharmacol*)
Klupp, H. *et al*, *Arch. Int. Pharmacodyn.*, 1953, **96**, 161.
Ngai, S.H. *et al*, *Anesthesiology*, 1959, **20**, 653 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5703.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5093.

Carbomycin, INN C-00056

Carbomycin A. Deltamycin A_4. Magnamycin. D-Mycin. M 4209

[4564-87-8]



$C_{42}H_{67}NO_{16}$ M 841.988

Macrolide antibiotic. Isol. from *Streptomyces halstedii*. Antirickettsial antibiotic, vet. antimicrobial. Laths (MeOH aq.). Mp 210-214° dec. $[\alpha]_D^{25}$ −54° (c, 1 in MeOH), −58.6° (c, 1 in $CHCl_3$).

▷MM0525000.

B,HCl: Mp 158-160° (149-150°) dec.
B,2H₂SO₄: Mp 163-164° dec.
Di-Ac: Mp 150-151°. $[\alpha]_D^{25}$ −81° (c, 1 in $CHCl_3$).
Penta-Ac: Mp 134-135°.
Oxime: Mp 198-199°.
Thiosemicarbazone: Mp 172-173°.

Tanner, F.W. *et al*, *Antibiot. Chemother.*, 1952, **2**, 441 (*isol*)
Pagano, J.F. *et al*, *Antibiot. Chemother.*, 1953, **3**, 899 (*isol*)
Dutcher, J.D. *et al*, *Antibiot. Chemother.*, 1953, **3**, 910.
Gilner, D. *et al*, *Biochem. Biophys. Res. Commun.*, 1962, **8**, 299 (*biosynth*)
Celmer, W.D. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 5028 (*abs config*)
Vazquez, D. *et al*, *Antibiotics (N.Y.)*, 1967, **1**, 366 (*rev*)
Keller-Schierlein, W., *Fortschr. Chem. Org. Naturst.*, 1973, **30**, 314 (*rev*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4001 (*nmr*)
Shimauchi, Y. *et al*, *J. Antibiot.*, 1979, **32**, 878 (*struct*)
Jardim, M.E. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **48**, 189 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 639.

Carbon dioxide C-00057

Carbonic anhydride

[124-38-9]

CO_2

CO_2 M 44.010

Used in carbonation of beverages, manuf. of carbonates, fire prevention and extinction, propellant (aerosols), antiseptic in bacteriology and in frozen food ind. Respiratory stimulant. Gas. Spar. sol. H_2O. $d_{(air=1)}$ 1.52909. Mp −57° under 5 atm. Bp −78.2°. Liquefies at 20° under 50 atm. pressure. Aqueous soln. acid to litmus. Crit. point 31.3°/72.9 atm.

▷Solid causes skin burns. FF6400000.

Gay, I.D. *et al*, *J. Phys. Chem.*, 1974, **78**, 38 (*cmr*)
Perizzo, J.J., *CA*, 1975, **82**, 177523s (*ir*)
Ballou, W.R., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1978, **4**, 725 (*rev*)
Clark, W.C. Ed., *Carbon Dioxide Review 1982*, Oxford Univ. Press, N.Y., 1982, (*rev*)
Behr, A., *Angew. Chem., Int. Ed. Engl.*, 1988, **27**, 661 (*rev, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5202.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 327.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 229.

Carbon disulfide C-00058

Carbon bisulfide. Dithiocarbonic anhydride

[75-15-0]

CS_2

CS_2 M 76.131

Has disinfectant and insecticidal props.; used in manuf. of rayon and CCl_4, electronic vacuum tubes, org. solv. for sulphur, phosphorus, iodine, bromine, rubber intermediates, etc. Fumigation insecticide. Highly refracting liq. Misc. EtOH, Et_2O, C_6H_6, spar. sol. H_2O. d_4^0 1.293. Mp −111.6°. Bp 46.5°, Bp_{297} 20°. n_D^{15} 1.6315. Forms hemihydrate, dec. at −3°. A black solid form has been prepd. at high press.

▷Highly toxic by inhalation, TLV 30. Extremely flammable, flash p. −30°. FF6650000.

Bushell, W.J., *Chem. Ind. (London)*, 1961, 1465 (*rev*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 94.
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **4**, 742 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6506.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 329.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 469.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 229.

Carbon tetrachloride C-00059

Tetrachloromethane, 9CI

[56-23-5]

CCl_4

CCl_4 M 153.823

Solv. for org. compds., fire extinguisher, dry-cleaning solv., anthelmintic. Grain fumigant. Used in manuf. of chlorofluoromethanes. Sol. EtOH, Et_2O, prac. insol. H_2O. d_4^0 1.632. Bp 76.74°. Freezes to trimorphous solid having Mps. −28.6°, −23.8° and −21.2°. n_D^{15} 1.4631.

▷Highly toxic by inhalation and skin contact, TLV 65. Dec. to highly toxic $COCl_2$ if strongly heated. FG4900000.

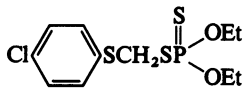
Hardie, *Encyclopedia of Chemical Technology*, 1964, Interscience, N.Y., 2nd Ed., Vol. 5, 132 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 69.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 767.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 281.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 231.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 644.

Carbophenothion, BSI, BAN **C-00060**

Phosphorodithioic acid S-[[(*4-chlorophenyl*)*thio*]-*methyl*] O,O-*diethyl ester*, *9CI.* S-(*4-Chlorophenylthiomethyl*) O,O-*diethyl phosphorodithioate.* ***Carbofenotion, INN.*** *Garrathion. Trithion. R 1303*

[786-19-6]



$C_{11}H_{16}ClO_2PS_3$ M 342.853

Insecticide, acaricide. Amber liq. d_4^{25} 1.271. $Bp_{0.01}$ 82°.

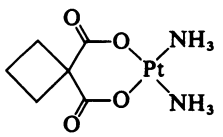
▷Highly toxic. TD5250000.

U.S.P., 2 793 224, (*1957*); *CA*, **51**, 14196 (*synth*)
Gaher, S. *et al*, *CA*, 1967, **67**, 42844 (*use*)
Jones, K.H. *et al*, *CA*, 1969, **71**, 2442 (*tox*)
Keith, L.H. *et al*, *Anal. Chim. Acta*, 1969, **44**, 447 (*nmr*)
Krijgsman, J. *et al*, *J. Chromatogr.*, 1976, **117**, 201 (*glc*)
Menn, J.J. *et al*, *CA*, 1976, **85**, 104945 (*metab*)
Busch, K.L. *et al*, *Appl. Spectrosc.*, 1978, **32**, 388 (*ms*)
Pesticide Manual, 6th Ed., 85 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 472.

Carboplatin, BAN, INN, USAN **C-00061**

Diammine[*1,1-cyclobutanedicarboxylato*(*2–*)-O,O′]-*platinum*, *9CI. Paraplatin. NSC 241240. CBDCA. JM 8*

[41575-94-4]



$C_6H_{12}N_2O_4Pt$ M 371.252

Antineoplastic drug. White solid. Sol. H_2O.

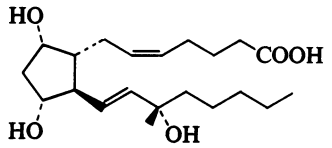
▷TP2300000.

Cleare, M.J. *et al*, *Platinum Metals Rev.*, 1973, **17**, 2 (*pharmacol*)
Ger. Pat., 2 329 485, (*1973*); *CA*, **81**, 21172v (*synth, pharmacol*)
Harrison, R.C. *et al*, *Inorg. Chim. Acta*, 1980, **46**, L15 (*synth*)
Neidle, S. *et al*, *J. Inorg. Biochem.*, 1980, **13**, 205 (*cryst struct, pmr, cmr, Pt-195 nmr*)
Al-Takhin, G. *et al*, *J. Chem. Soc., Dalton Trans.*, 1983, 2657 (*enthalpy of formation*)
Hopkins, S.J., *Drugs of the Future*, 1983, **8**, 489 (*rev*)
Lelieveld, P. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1984, **20**, 1087 (*props*)
Beagley, B. *et al*, *J. Mol. Struct.*, 1985, **130**, 97 (*cryst struct*)
Zee-Cheng, R.K.Y. *et al*, *Drugs of Today*, 1987, **23**, 563 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16564.

Carboprost, BAN, INN, USAN **C-00062**

9,11,15-Trihydroxy-15-methylprosta-5,13-dien-1-oic acid, *9CI. 15-Methyl-PGF*$_{2\alpha}$. *U-32921*

[35700-23-3]



$C_{21}H_{36}O_5$ M 368.512

Smooth muscle stimulant, oxytocic agent, abortifacient. Various stereoisomers also known.

▷UK8021000.

2-Amino-2-hydroxymethyl-1,3-propanediol salt: [58551-69-2]. *Carboprost trometamol*, *BAN. Carboprost tromethamine*, *USAN. Prostin 15M.*

▷UK8026000.

Me ester: [35700-21-1]. *Carboprost methyl. U 36385.*

$C_{22}H_{38}O_5$ M 382.539

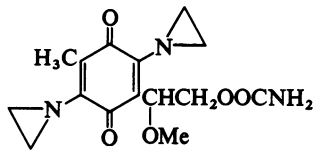
Mp 55-56°. $[\alpha]_D$ +24° (c, 81 in EtOH).

Bundy, G.L. *et al*, *Advan. Biosci.*, 1972, **9**, 125 (*synth, pharmacol*)
Hansson, G. *et al*, *Biochem. Med.*, 1977, **18**, 420 (*metab*)
Liu, Z. *et al*, *CA*, 1982, **96**, 217527; 1985, **102**, 113106 (*synth*)
Weinges, K. *et al*, *Justus Liebigs Ann. Chem.*, 1984, 761 (*stereoisomers*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8064, 8075, 8076.

Carboquone, INN, JAN **C-00063**

2-[2-[(*Aminocarbonyl*)*oxy-1-methoxyethyl*]-*3,6-bis*(*1-aziridinyl*)-*5-methyl-2,5-cyclohexadiene-1,4-dione*, *9CI. 2,5-Bis*(*1-aziridinyl*)-*3-*(*2-hydroxy-1-methoxyethyl*)-*6-methyl-*p*-benzoquinone carbamate*, *8CI. Carbazilquinone. Esquinon. NSC 134679*

[24279-91-2]



$C_{15}H_{19}N_3O_5$ M 321.332

▷DK3400000.

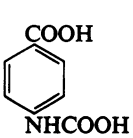
(±)-form

Antineoplastic and antileukaemic agent. Red or reddish-brown cryst. Insol. H_2O, sl. sol. $CHCl_3$, Me_2CO, EtOH. Mp 203° dec.

Nakao, H. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1968 (*synth, pharmacol*)
Masuda, H. *et al*, *Oyo Yakuri*, 1974, **8**, 501 (*tox*)
Takagi, H. *et al*, *Oyo Yakuri*, 1974, **8**, 519 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1818.

***N*-Carboxy-4-aminobenzoic acid** **C-00064**

p-*Carboxycarbanilic acid*, *8CI.* p-*Carboxyphenylcarbamic acid*



$C_8H_7NO_4$ M 181.148

Et ester: [5180-75-6].

$C_{10}H_{11}NO_4$ M 209.201

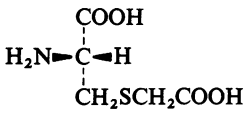
Needles (EtOH). Mp 208-209°. Bp_3 105-106°.
Diethylaminoethyl ester: Has anaesthetic props. Mp 156-157°.
Propyl ester:
$C_{11}H_{13}NO_4$ M 223.228
Mp 195°.
4,4'-Bis(2-diethylaminoethyl)trimethylene ester: see Tridiurecaine, T-00455

King, F.E. *et al*, *J. Chem. Soc.*, 1954, 1039.
Iwakura, Y. *et al*, *J. Org. Chem.*, 1966, **31**, 142.

S-Carboxymethylcysteine, 9CI C-00065

Carbocysteine. ***Carbocisteine,*** *BAN, INN, JAN, USAN. AHR 3053*

[638-23-3]



$C_5H_9NO_4S$ M 179.190

▷AY4342000.

(*R*)-form [2387-59-9]
L-form
Present in seedlings of radish (*Raphanus sativus*). Mucolytic, expectorant, nasal antiinfective. Mp 204-207°. $[\alpha]_D^{24}$ +0.5° (1M HCl).

▷AY4341000.

S-*Oxide:* Ppt. Mp 190-191° dec. Probably a diastereoisomeric mixture.
S-*Dioxide:* Mp 193-194° dec.

Armstrong, M.D. *et al*, *J. Org. Chem.*, 1951, **16**, 749 (*synth*)
Schoberl, A. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1956, **304**, 97 (*synth*)
Foye, W.O. *et al*, *J. Am. Pharm. Assoc.*, 1957, **46**, 273 (*synth*)
Goodman, L. *et al*, *J. Org. Chem.*, 1958, **23**, 1251 (*synth, oxides*)
Buziassy, C. *et al*, *Biochim. Biophys. Acta*, 1964, **86**, 185 (*isol*)
Mighell, A.D. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1258 (*cryst struct*)

3-[(Carboxymethyl)thio]propanoic acid, 9CI C-00066

Danosteine, INN. *3-Thiahexanedioic acid*

[4938-00-5]

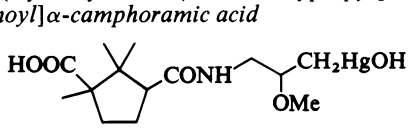
$HOOCCH_2SCH_2CH_2COOH$

$C_5H_8O_4S$ M 164.176
Mucolytic agent. Plates (C_6H_6). Mp 94°.
S-*Benzylthiouronium salt:* Cryst. (EtOH). Mp 156-157°.

Larsson, E. *et al*, *Ber.*, 1934, **67**, 757 (*synth*)
Schoeberl, A. *et al*, *Justus Liebigs Ann. Chem.*, 1956, **599**, 140 (*synth*)
Challenger, F. *et al*, *J. Chem. Soc.*, 1959, 61 (*synth*)
Laing, D.K. *et al*, *J. Chem. Soc., Dalton Trans.*, 1975, 2297 (*synth*)
Ger. Pat., 2 548 669, (*1976*); *CA*, **85**, 104202 (*pharmacol*)

[3-(3-Carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methyoxypropyl]-hydroxomercury C-00067

N-[[3-(*Hydroxymercuri*)-2-*methoxypropyl*]-*carbamoyl*]α-*camphoramic acid*



$C_{14}H_{25}HgNO_5$ M 487.945

Diuretic, usually administered as Na salt in conjunction with Theophylline.
Na salt: [124-82-3]. Mp 175°.
Na salt, Theophylline salt (1:1): [8012-34-8]. ***Mercurophylline sodium, BAN.*** *Diumerin. Hydran AB. Lemal. Mercurophylline, INN. Mercurin. Mercurit. Mercuzan. Mercuzanthin. Merthylline. Novurit.*

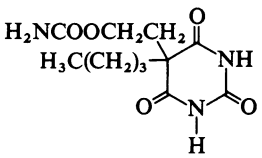
▷OV8650000.

Fulton, M.N. *et al*, *J. Lab. Clin. Med.*, 1935, **20**, 1252.
Steuer, L.G. *et al*, *J. Lab. Clin. Med.*, 1935, **21**, 298.
U.S.P., 2 117 901, (*1938*); *CA*, **32**, 5584 (*synth*)
Modell, W. *et al*, *J. Pharmacol.*, 1945, **84**, 284.
Werner, L.H. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 2453 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2343.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1749.

Carbubarb, INN C-00068

5-[2-[(*Aminocarbonyl*)*oxy*]*ethyl*]-5-*butyl*-2,4,6(1H,3H,5H)*pyrimidinetrione*, 9CI. *5-Butyl-5-(2-hydroxyoxyethyl)barbituric acid carbamate*, 8CI. *5-Butyl-5-(2-carbamoyloxyethyl)barbituric acid. Carbubarbital. Nogexan. Tylemalum*

[960-05-4]



$C_{11}H_{17}N_3O_5$ M 271.272

▷CQ2311000.

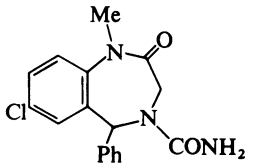
(±)-form
Sedative. Mp 192-194°.

Buzas, C.E. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 267 (*synth*)
U.S.P., 3 150 137, (*1964*); *CA*, **62**, 7775g (*synth, pharmacol*)

Carburazepam, INN C-00069

7-Chloro-1,2,3,5-tetrahydro-1-methyl-2-oxo-5-phenyl-4H-1,4-benzodiazepine-4-carboxamide, 9CI

[59009-93-7]



$C_{17}H_{16}ClN_3O_2$ M 329.785

(+)-form [59010-33-2]
Cryst. (EtOH). Mp 215-217°. $[\alpha]_D$ +617.6°.

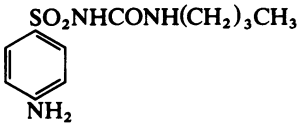
(±)-form
Tranquilliser, hypnotic. Cryst. (EtOH). Mp 217-219°.

Ger. Pat., 2 523 250, (*1975*); *CA*, **84**, 164871v (*synth, pharmacol*)
Czugler, M. *et al*, *Tetrahedron Lett.*, 1977, **917**, (*synth, cryst struct*)
Fitos, I. *et al*, *Experientia*, 1983, **39**, 591 (*pharmacol*)

Carbutamide, BAN, INN **C-00070**

4-Amino-N-[(butylamino)carbonyl]-benzenesulfonamide, 9CI. 1-Butyl-3-sulfanilylurea, 8CI. BZ 55. U 6987. Ca 1022. N-p-*Aminobenzenesulfonyl-N'-butylurea. Glybutamide. Alentin. Aminophenurobutane. Biouren. Bucarban. Butylcarbamide. Diabutan. Mellitoral. Numerous proprietary names*

[339-43-5]



$C_{11}H_{17}N_3O_3S$ M 271.334

Antidiabetic agent. Hypoglycaemic. Mp 144-145° (137.5-140°).

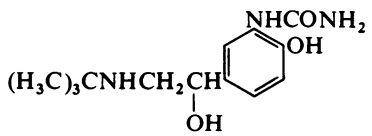
▷Teratogenic. YS4200000.

Rose, H.A. *et al, J. Am. Pharm. Assoc.*, 1957, **46**, 452 (*cryst struct*)
Duncan, L.J.P. *et al, Pharmacol. Rev.*, 1960, **12**, 91 (*pharmacol*)
Das Gupta, S.J., *J. Indian Chem. Soc.*, 1961, **38**, 417 (*synth*)
Hokfelt, B., *J. Med. Chem.*, 1962, **5**, 231 (*synth, pharmacol*)
Dangouman, J. *et al, Therapie*, 1966, **21**, 571 (*metab*)
Kracmar, J. *et al, Pharmazie*, 1966, **21**, 460 (*uv*)
Tull, R. *et al, J. Chem. Soc. (C)*, 1967, 701 (*synth*)
Rehse, K., *Fresenius' Z. Anal. Chem.*, 1969, **246**, 22 (*pmr*)
Dave, G.R. *et al, Indian J. Chem.*, 1970, **4**, 37 (*synth*)
Cuomo, V. *et al, Clin. Ter.*, 1972, **62**, 505 (*rev*)
Thielemann, H., *Sci. Pharm.*, 1973, **41**, 70 (*tlc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2138 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7215.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 600.

Carbuterol, BAN, INN **C-00071**

[5-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-2-hydroxyphenyl]urea, 9CI

[34866-47-2]



$C_{13}H_{21}N_3O_3$ M 267.327

(±)-*form*

Bronchodilator. Mp 174-176°.

B,HCl: [34866-46-1]. *Carbuterol hydrochloride,* USAN. *Bronsec. Bronsecur. Dilabron "Warner". Pirem. Rispran. Spirex. SKF 40383.* Mp 205-207° dec.

▷YS3700000.

Kaiser, C. *et al, J. Med. Chem.*, 1974, **17**, 49 (*synth, pharmacol*)
Wardell, J.R. *et al, J. Pharmacol. Exp. Ther.*, 1974, **189**, 167 (*pharmacol, tox*)
Van Dyk, J.M., *Drugs of Today*, 1976, **12**, 483 (*rev*)
Colella, D.F. *et al, Eur. J. Pharmacol.*, 1977, **46**, 229 (*pharmacol*)
James, T.D. *et al, J. Am. Med. Assoc.*, 1979, **241**, 704 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2046.

Carcainium(1+) **C-00072**

N,N-Dimethyl-2-oxo-N-[2-oxo-2-(phenylamino)-ethyl]-2-(phenylamino)ethanaminium, 9CI. Dimethylbis[(phenylcarbamoyl)methyl]ammonium, 8CI

$PhNHCOCH_2N^{\oplus}(Me)_2CH_2CONHPh$

$C_{18}H_{22}N_3O_2^{\oplus}$ M 312.391 (ion)

Antiarrhythmic agent.

Chloride: [1042-42-8]. *Carcainium chloride. QX 572.* $C_{18}H_{22}ClN_3O_2$ M 347.844

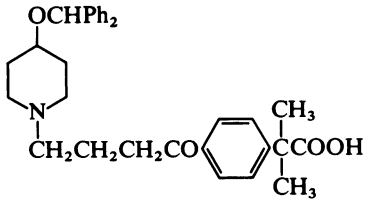
Mp 175-176° dec.

Dahlbom, R. *et al, Acta Pharm. Suec.*, 1965, **2**, 219 (*synth, pharmacol*)
Schwartz, M.L. *et al, J. Clin. Pharmacol. J. New Drugs*, 1967, **7**, 278 (*pharmacol*)
Gibaldi, M. *et al, J. Pharm. Sci.*, 1975, **64**, 359 (*metab*)
Persson, B.A. *et al, J. Chromatogr.*, 1976, **122**, 305 (*chromatog*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12526.

Carebastine, INN **C-00073**

4-[4-[4-(Diphenylmethoxy)-1-piperidinyl]-1-oxobutyl]-α,α-dimethylbenzeneacetic acid, 9CI

[90729-42-3]



$C_{32}H_{37}NO_4$ M 499.649

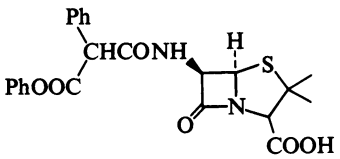
Antihistamine, antianaphylactic agent. Mp 93-95°.

Eur. Pat., 134 124, (*1985*); *CA*, **103**, 104852 (*synth, pharmacol*)

Carfecillin, BAN, INN **C-00074**

α-Phenoxycarbonylbenzylpenicillin. Carbenicillin phenyl

[27025-49-6]



$C_{23}H_{22}N_2O_6S$ M 454.497

Semisynthetic penicillin (Carbenicillin α-phenyl ester). Orally absorbable form of Carbenicillin, C-00045 . The usual prod. consists of a mixt. of side-chain diastereoisomers; these can be sepd. by crystallisation.

Na salt: [21649-57-0]. *Carbenicillin phenyl sodium,* USAN. *Carfecillin sodium,* JAN. *Gripenin* O. *Pencina. Pionin. Purapen. Safepen. Urocarf. Uticillin. Vexyl. BRL 3475. Carfexil.* Cryst. (EtOH). Sol. H_2O. $[\alpha]_D^{20}$ +216.2° (H_2O).

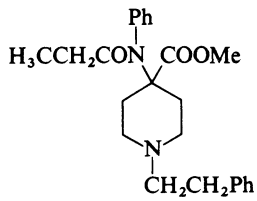
▷ON9110000.

Clayton, J. *et al, J. Med. Chem.*, 1975, **18**, 172 (*synth, metab*)
Wilkinson, P.J. *et al, CA*, 1977, **86**, 165469 (*pharmacol*)
Bird, A.E. *et al, J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Pajunen, A., *Acta Crystallogr., Sect. B*, 1982, **38**, 928 (*cryst struct, stereochem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 25.

Carfentanil, INN · **C-00075**

Methyl 4-[(1-oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidinecarboxylate, 9CI. *Methyl 1-phenethyl-4-(N-phenylpropionamido)isonipecotate*

[59708-52-0]



$C_{24}H_{30}N_2O_3$ M 394.513

Narcotic analgesic.

▷TM6406000.

Oxalate (1:1): [61086-44-0]. Mp 189.5°.

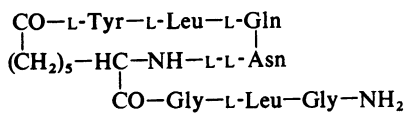
Citrate: [61380-27-6]. *Carfentanil citrate,* USAN. *R 33799.*

Leysen, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1976, **220**, 335 (*pharmacol*)
Van Daele, P.G.H. *et al, Arzneim.-Forsch.*, 1976, **26**, 1521 (*synth, pharmacol*)
Cookson, R.F., *Clin. Anaesthesiol.*, 1983, **1**, 156 (*rev, pharmacol*)
Mather, L.E., *Clin. Pharmacokinet.*, 1983, **8**, 422 (*rev, metab*)
Dannals, R.F. *et al, Int. J. Appl. Radiat. Isot.*, 1985, **36**, 303 (*synth*)
Wagner, H.N. *et al, Clin. Chem.*, 1985, **31**, 1521 (*rev, use*)
Galzi, J.L. *et al, Tetrahedron Lett.*, 1987, **28**, 401 (*synth*)

Cargutocin, INN **C-00076**

1-Butanoic acid-7-glycine-1,6-dicarbaoxytocin, 9CI. *1-Butyric acid-6-(L-2-aminobutyric acid)-7-glycineoxytocin,* 8CI. *Statocin. Y 5350*

[33605-67-3]



$C_{42}H_{65}N_{11}O_{12}$ M 916.042

Oxytocic agent. $[\alpha]_D^{25}$ −44.0° (c, 0.55 in H_2O).

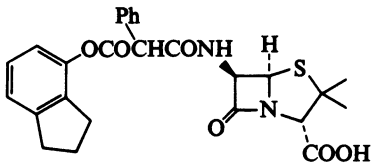
▷RS7580000.

Yamanaka, T. *et al, Bull. Chem. Soc. Jpn.*, 1974, **47**, 1228 (*synth, pharmacol*)
Oka, T. *et al, Jpn. J. Pharmacol.*, 1975, **25**, 15 (*pharmacol*)
Kato, Y. *et al, CA*, 1981, **95**, 126386 (*metab*)

Carindacillin, BAN, INN **C-00077**

α-(5-Indanyloxycarbonyl)benzylpenicillin. Carbenicillin indanyl. Geocillin. Carindapen. CP 15464. Antibiotic CP 15464

[35531-88-5]



$C_{26}H_{26}N_2O_6S$ M 494.561

Semisynthetic penicillin (Carbenicillin α-indanyl ester). Orally absorbable form of Carbenicillin.

Mono-Na salt: [26605-69-6]. *Carindacillin sodium,* JAN. *Carbenicillin indanyl sodium,* USAN.

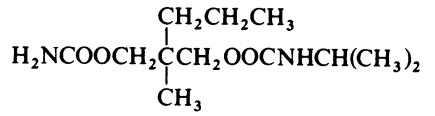
▷ON9107000.

Ger. Pat., 1 959 569, (*1970*); *CA*, **73**, 66565 (*synth*)
English, A.R. *et al, Antimicrob. Agents Chemother.*, 1972, **1**, 185 (*props*)
Whittaker, J.W. *et al, J. Pharm. Sci.*, 1982, **71**, 334 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7387.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 26.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 635.

Carisoprodol, BAN, INN, USAN **C-00078**

Carbamic acid, N-(*1-methylethyl*), *2-[[(aminocarbonyl)oxy]methyl]-2-methylpentyl ester,* 9CI. N-*Isopropyl-2-methyl-2-propyl-1,3-propanediol dicarbamate. Isopropyl meprobamate. Carisoprodate. Isomeprobamate. Numerous proprietary names*

[78-44-4]



$C_{12}H_{24}N_2O_4$ M 260.333

Skeletal muscle relaxant and analgesic. Cryst. with slightly bitter taste. V. spar. sol. H_2O. Mp 92-93°. Stable in dil. acids and alkalis.

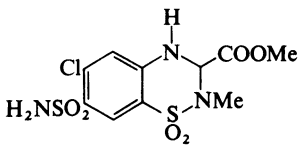
▷FB3325000.

U.S.P., 2 937 119, (*1960*); *CA*, **54**, 18367c (*synth*)
Berger, F.M. *et al, Ann. N.Y. Acad. Sci.*, 1960, **86**, 90 (*rev*)
Schneider, G. *et al, Monatsh. Chem.*, 1963, **94**, 426 (*synth*)
Ludwig, B.J. *et al, J. Med. Chem.*, 1969, **12**, 462.
Ludwig, B.J. *et al, Adv. Pharmacol. Chemother.*, 1971, **9**, 173 (*rev, pharmacol*)
Gorodetskiĭ, L.S. *et al, Khim.-Farm. Zh.*, 1982, **16**, 718 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2593 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5704.

Carmetizide, INN **C-00079**

Methyl 6-chloro-3,4-dihydro-2-methyl-7-sulfamoyl-2H-1,2,4-benzothiadiazine-3-carboxylate 1,1-dioxide, 9CI. *Myarl. DU-5747*

[42583-55-1]



$C_{10}H_{12}ClN_3O_6S_2$ M 369.794

Antihypertensive, diuretic agent.

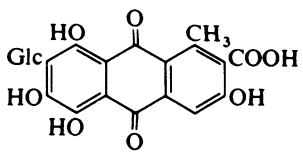
▷DK8180000.

Kitagawa, H. *et al, Oyo Yakuri*, 1973, **7**, 209, 219 (*pharmacol*)
Murata, T. *et al, Oyo Yakuri*, 1973, **7**, 275 (*metab*)

Carminic acid **C-00080**

7-Glucopyranosyl-3,4,5,8-tetrahydroxy-1-methylanthraquinone-2-carboxylic acid

[1260-17-9]

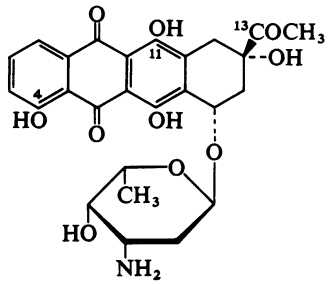


$C_{22}H_{20}O_{13}$ M 492.392

Occurs in the cochineal insect *Dactylopius cacti*. Used in quantitative determination of trace metals. Antitumour agent. Dyestuff. Red cryst.
Octa-Ac: Cryst. Mp 189-190° dec.
Bhatia, S.B. *et al*, *Indian J. Chem.*, 1965, **3**, 92.
Mihail, N. *et al*, *Naturwissenschaften*, 1970, **57**, 500 (*pharmacol*)
Eisner, T. *et al*, *Science*, 1980, **208**, 1039 (*use*)
Lloyd, A.G., *Food Chem.*, 1980, **5**, 91 (*rev*)
Fiecchi, A. *et al*, *J. Org. Chem.*, 1981, **46**, 1511 (*config*)
Ishida, T. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1541 (*cryst struct, bibl*)

Carminomycin I C-00081

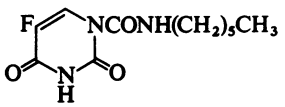
Carubicin, INN
[50935-04-1]



$C_{26}H_{27}NO_{10}$ M 513.500
Anthracycline antibiotic. Isol. from *Actinomadura carminata*. Antineoplastic agent.
▷QI9293250.
B,HCl: [52794-97-5]. *Carubicin hydrochloride, USAN.* Red cryst. $[\alpha]_D^{20}$ +289°.
▷NZ7205000.
Aglycone: [52744-22-6]. *8-Acetyl-7,8,9,10-tetrahydro-1,6,8,10,11-pentahydroxy-5,12-naphthacenedione, 9CI. Carminomycinone.*
$C_{20}H_{16}O_8$ M 384.342
Mp 224°. $[\alpha]_D^{20}$ +272° (c, 0.1 in dioxan).
Aglycone, penta-Ac: Mp 190°.
11-Deoxy: [81382-07-2]. ***11-Deoxycarminomycin*** **I**. *4-O-Demethyl-11-deoxydaunorubicin.*
$C_{26}H_{27}NO_9$ M 497.501
Isol. from *Streptomyces peucetius* var. *aureus*. Shows antibacterial, cytotoxic and antitumour props.
11-Deoxy; B,HCl: Mp 195-196° dec. $[\alpha]_D^{23}$ +150° (c, 0.1 in MeOH).
11-Deoxy, 13-alcohol: [81382-06-1]. ***4-O-Demethyl-11-deoxy-13-dihydrodaunorubicin.***
$C_{26}H_{29}NO_9$ M 499.516
Isol. from *S. peucetius* var. *aureus*. Antibacterial and cytotoxic agent.
11-Deoxy, 13-alcohol; B,HCl: Mp 200-205° dec. $[\alpha]_D^{23}$ +110° (c, 0.1 in MeOH).
O^4*-Me ether: see Daunomycin, D-00019*
11-Deoxy, 13-Deoxo: [81382-08-3]. ***4-O-Demethyl-11,13-dideoxydaunorubicin.***
$C_{26}H_{29}NO_8$ M 483.517
Isol. from *S. peucetius* var. *aureus*. Antibacterial and cytotoxic agent.
11-Deoxy, 13-Deoxo; B,HCl: Mp 200-201° dec. $[\alpha]_D^{23}$ +134° (c, 0.1 in MeOH).
10-Carboxy-13-deoxo: ***10-Carboxy-13-deoxocarminomycin.*** *D788-1. Antibiotic D788-1.*
$C_{27}H_{29}NO_{11}$ M 543.526
From *S.* sp. D788. Shows antitumour props. Red cryst. powder (MeOH/toluene). Mp 161-163°. $[\alpha]_D^{25}$ +200° (c, 0.113 in MeOH). Unstable; dec. to Akrobomycin.
N-Formyl-13-dihydro: [76634-96-3]. ***N-Formyl-13-dihydrocarminomycin I.*** *J55G1. Antibiotic J55G1.*
$C_{27}H_{29}NO_{11}$ M 543.526
From *A. rosioviolacea*. Antitumour agent. Red needles. Mp 180-185°. $[\alpha]_D^{25}$ +111° (c, 0.1 in MeOH/HCl).
13-Benzoylhydrazine: [69428-33-7]. ***Carminazone.*** *Karminazon.*
$C_{33}H_{33}N_3O_{10}$ M 631.638
Antineoplastic.
13-Benzoylhydrazine, B,HCl: [66921-16-2].
Brazhnikova, M.G. *et al*, *J. Antibiot.*, 1974, **27**, 254 (*isol*)
Pettit, G.R. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 7387 (*struct*)
Wani, M.C. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 5955 (*abs config*)
Brazhnikova, M.G. *et al*, *J. Antibiot.*, 1976, **29**, 469 (*stereochem*)
Kende, A.S. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 1967 (*synth*)
Von Dreele, R.B. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 3283 (*cryst struct*)
Cassinelli, G. *et al*, *J. Antibiot.*, 1978, **31**, 178 (*synth, pharmacol*)
Povarov, L.S. *et al*, *Antibiotiki (Moscow)*, 1978, **23**, 356 (*Carminazone*)
Zbarskii, V.B. *et al*, *Antibiotiki (Moscow)*, 1980, **25**, 488 (*cmr, ms*)
Cassinelli, G. *et al*, *J. Antibiot.*, 1982, **35**, 176 (*derivs*)
Nakagawa, M. *et al*, *J. Antibiot.*, 1983, **36**, 457 (*isol, props*)
White, R.J., *Biotechnol. Ser.*, 1983, **2**, 277 (*rev*)
Gioia, B. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 35 (*ms*)
Fujii, S. *et al*, *J. Antibiot.*, 1986, **39**, 475 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12534.

Carmofur, INN, JAN C-00082

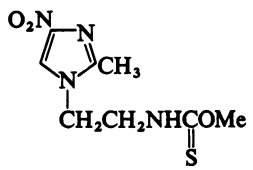
5-Fluoro-N-hexyl-3,4-dihydro-2,4-dioxo-1(2H)-pyrimidinecarboxamide, 9CI. 1-Hexylcarbamoyl-5-fluorouracil. Mifurol. Yamaful. Yamafur. HCFU
[61422-45-5]



$C_{11}H_{16}FN_3O_3$ M 257.264
Antineoplastic agent. Masked deriv. of 5-fluorouracil used in treatment of breast and gastrointestinal carcinomas. Cryst. (EtOH). Mp 110-111°.
Hoshi, A. *et al*, *Gann.*, 1976, **67**, 725 (*pharmacol*)
Ger. Pat., 2 639 135, (*1977*); *CA*, **87**, 168076z (*synth, pharmacol*)
Mizuno, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 2406 (*synth, nmr, ir, uv*)
Koyama, Y. *et al*, *Cancer Treat. Rep.*, 1980, **64**, 861 (*pharmacol*)
Hoshi, A. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1984, **647**, 34 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18912.

Carnidazole, BAN, INN, USAN C-00083

O-Methyl [2-(2-methyl-5-nitro-1H-imidazol-1-yl)-ethyl]-carbamothioate, 9CI. Spartrix. R 25831. R 28096
[42116-76-7]



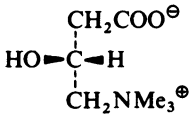
$C_8H_{12}N_4O_3S$ M 244.268
Vet. antiprotozoal agent. Cryst. (2-propanol/isopropyl ether). Mp 144.6°.
▷FD3912000.

Baehring-Kuhlmey, S.R., *Drugs of Today*, 1976, **12**, 424 (*rev*)
Heeres, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 237 (*synth, pharmacol*)
Blaton, N.M. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 753 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4763.

Carnitine, INN C-00084

3-Carboxy-2-hydroxy-N,N,N-*trimethyl-1-propanaminium hydroxide inner salt*, *9CI. β-Hydroxy-γ-butyrotrimethylbetaine. Novain. Vitamin B_T. Other proprietary names*

[461-06-3]



(*R*)-*form* Absolute configuration

$C_7H_{15}NO_3$ M 161.200

(*R*)-*form* [541-15-1]

Levocarnitine, INN, USAN

Constit. of striated muscle, liver and whey. Facilitator of long-chain fatty acids through mitochondrial membranes, thus allowing their metabolic oxidn. Regulator of blood lipid levels, used in sport and infant nutrition. Drug used to increase cardiac output and improve myocardial function; often administered after haemodialysis. Extremely hygroscopic solid ($EtOH/Me_2CO$). Mp 196-198°. $[\alpha]_D^{25}$ −31.3° (c, 10 in H_2O) (>99% opt. pure).

▷BP2980000.

B,HCl: Hygroscopic cryst. Mp 137-139°. $[\alpha]_D^{22}$ −20.4° (H_2O).

Me ether:

$C_8H_{17}NO_3$ M 175.227

Prisms (Me_2CO) (as hydrochloride). Mp 178°.

Et ester: [40915-13-7]. *4-Ethoxy-2-hydroxy*-N,N,N-*trimethyl-4-oxo-1-butanaminium*, *9CI.*

$C_9H_{20}NO_3^{\oplus}$ M 190.262 (ion)

Needles (Me_2CO) (as chloride). Mp 146°.

O-*Ac:* [3040-38-8].

$C_9H_{17}NO_4$ M 203.238

Cryst. ($EtOH/Et_2O$). Mp 145°. $[\alpha]_D^{20}$ −19.5°.

▷BP2990000.

O-*Ac; B,HCl:* Mp 188-190°.

Dimeric intermolecular ester:

$C_{14}H_{28}N_2O_5$ M 304.386

Mp 198-200°.

(*S*)-*form* [541-14-0]

Shows unfavourable physiol. props.; administration of the L-form appears preferable to the racemate. Mp 210-212° dec. $[\alpha]_D$ +30.9°.

B,HCl: Mp 142° dec.

(±)-*form* [406-76-8]

Mp 195-197° dec.

▷BP2979900.

B,HCl: Mp 196°.

Nitrile: [18933-33-0]. *3-Cyano-2-hydroxy*-N,N,N-*trimethylpropanaminium*, *9CI.*

$C_7H_{15}N_2O^{\oplus}$ M 143.208 (ion)

Mp 232° dec. (as chloride).

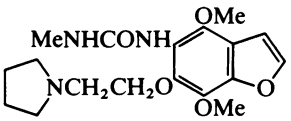
O-*Ac:* [870-77-9]. Mp 187-188°.

Carter, H.E. *et al*, *Methods Enzymol.*, 1957, **3**, 660 (*isol*)
Strack, E. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1960, **318**, 129 (*synth*)
Wolf, G. *et al*, *Arch. Biochem. Biophys.*, 1961, **92**, 360 (*biosynth*)
Kaneko, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1962, **35**, 1153 (*abs config*)
Vasil'eva, E.D., *Khim. Prir. Soedin.*, 1969, 463; *CA*, **72**, 54672a.
Tomita, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1988 (*cryst struct*)
Bamji, M., *Biochem. Rev.*, 1980, **50**, 99 (*rev*)
Frenkel, R.A. *et al*, Eds., *Carnitine: Biosynth. Metab. and Functions*, Academic Press, N.Y., 1980 (*book*)
Boch, K. *et al*, *Acta Chem. Scand., Ser. B*, 1983, **37**, 341 (*synth*)
Bremer, J., *Physiol. Rev.*, 1983, **63**, 1420 (*rev*)
Zhou, B.N. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 5925 (*synth*)
Comber, R.N. *et al*, *Org. Prep. Proced. Int.*, 1985, **17**, 175 (*synth*)
Reboucha, C.J. *et al*, *Annu. Rev. Nutr.*, 1986, **6**, 41 (*rev*)
Voeffray, R. *et al*, *Helv. Chim. Acta*, 1987, **70**, 2058 (*synth, ir, pmr, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12528.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 789 (*synonyms*)

Carocainide, INN C-00085

N-[*4,7-Dimethoxy-6-[2-(1-pyrrolidinyl)ethoxy]-5-benzofuranyl*]-N′-*methylurea*, *9CI. MD 770207*

[66203-00-7]



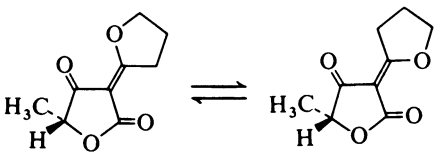
$C_{18}H_{25}N_3O_5$ M 363.413

Antiarrhythmic agent. Cryst. (EtOAc/isopropyl ether). Mp 116°.

Bourgery, G. *et al*, *J. Med. Chem.*, 1981, **24**, 159 (*synth, tox, pharmacol*)
Pourrias, B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **263**, 85 (*pharmacol*)
Rovei, V. *et al*, *Xenobiotica*, 1985, **15**, 953 (*metab*)

Carolic acid C-00086

3-Dihydro-2(3H)-furanylidene-5-methyl-2,4(3H,5H)-furandione, *9CI. 5-Methyl-3-(2-tetrahydrofurylidene)-tetrahydrofuran-2,4-dione*



$C_9H_{10}O_4$ M 182.176

Formerly assigned an incorrect struct.

(*R*)-*form* [22981-79-9]

Isol. from *Penicillium charlesii* and *P. fellutanum*. Has cardiotoxic props. on isolated frog heart. Needles (EtOH). Mp 132°. $[\alpha]_{546}$+84°. Exists in soln. as a mixture of (*E*)- and (*Z*)-isomers.

2,4-Dinitrophenylhydrazone: Yellow needles. Mp 176°.

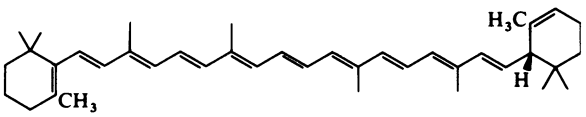
Bis-2,4-dinitrophenylhydrazone: Orange needles. Mp 225° dec.

Clutterbuck, P.W. *et al*, *Biochem. J.*, 1935, **29**, 300, 871 (*isol*)
Plimmer, J.R., *J. Org. Chem.*, 1964, **29**, 511.
Svendsen, A. *et al*, *Acta Chem. Scand., Sect. B*, 1975, **29**, 197 (*synth*)
Bloomer, J.L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1485 (*synth*)
Jacobsen, J.P. *et al*, *Acta Chem. Scand., Sect. B*, 1977, **31**, 505 (*struct*)
Reffstrup, T. *et al*, *Acta Chem. Scand., Ser. B*, 1980, **34**, 653 (*biosynth, cmr*)
Simonsen, O. *et al*, *Tetrahedron*, 1980, **36**, 795 (*cryst struct*)

Booth, P.M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1987, 121 (*synth*)

α-Carotene C-00087

[7488-99-5]



$C_{40}H_{56}$ M 536.882

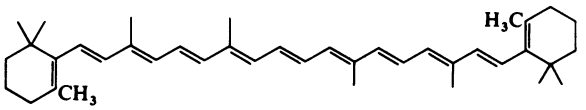
Widespread. Has vitamin *A* activity but less than that of β-Carotene. Red cryst. Mp 187°. α_{Cd} +380° (C_6H_6).

Karrer, P. *et al*, *Helv. Chim. Acta*, 1933, **16**, 975 (*struct*)
Karrer, P. *et al*, *Helv. Chim. Acta*, 1950, **33**, 1952 (*synth*)
Goodwin, T.W. *et al*, *Biochem. J.*, 1965, **97**, 28c (*biosynth*)

β-Carotene, 9CI C-00088

Betacarotene, *USAN, INN. Carotaben. Phenoro. Solatene*

[7235-40-7]



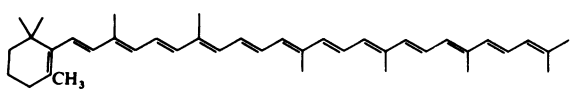
$C_{40}H_{56}$ M 536.882

Widespread, e.g. found in carrots. Exhibits strong vitamin A activity. Used in ultraviolet sunscreen preparations. Yellow food colouring. Deep-purple prisms (C_6H_6/MeOH); red rhombs. (pet. ether). Mp 183° (sealed tube). λ_{max} 452, 484, 520 nm (CS_2). Air-sensitive.

Surmatis, J.D. *et al*, *J. Org. Chem.*, 1961, **26**, 1171 (*synth*)
Sterling, C., *Acta Crystallogr.*, 1964, **17**, 1224 (*cryst struct*)
Schweiter, U. *et al*, *Chimia*, 1965, **19**, 294 (*props*)
Johannes, B. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 1095 (*ms*)
Surmatis, J.D. *et al*, *J. Org. Chem.*, 1969, **34**, 559 (*synth*)
Fischli, A. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1584 (*synth*)
Bickel, H. *et al*, *Phytochemistry*, 1976, **15**, 1253 (*biosynth*)
Bramley, P.M. *et al*, *Phytochemistry*, 1976, **15**, 1913 (*biosynth*)
Ishida, A. *et al*, *Chem. Lett.*, 1976, 1127 (*synth*)
Moss, G.P., *Pure Appl. Chem.*, 1976, **47**, 97 (*pmr*)
Ninet, L. *et al*, *Microb. Technol.* (*2nd Ed.*), 1979, **1**, 529 (*manuf, rev*)
Wernly, J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 1221 (*pmr, cmr*)

γ-Carotene C-00089

[472-93-5]



$C_{40}H_{56}$ M 536.882

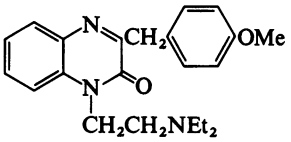
Widespread constit. esp. of *Gonocaryum pyriforme*. Exhibits vitamin *A* activity. Violet prisms (C_6H_6/pet. ether). Mp 178° (154°).

Goodwin, T.W., *Annu. Rev. Biochem.*, 1955, **24**, 497 (*rev*)
Manchand, P.S. *et al*, *J. Chem. Soc.*, 1965, 2019 (*synth*)

Caroverine, INN C-00090

1-[2-(Diethylamino)ethyl]-3-(4-methoxybenzyl)-2(1H)-quinoxalinone, *8CI. Spasmium. Spadon. P 201-1*

[23465-76-1]



$C_{22}H_{27}N_3O_2$ M 365.474

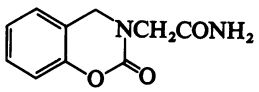
Spasmolytic agent. Mp 69°. $Bp_{0.01}$ 202°.

Ger. Pat., 1 804 328, (*1969*); *CA*, **71**, 70642a (*synth, pharmacol*)
Pflegel, P., *Pharmazie*, 1969, **24**, 667 (*polarogr*)
Hahn, F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1972, **199**, 108 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12529.

Caroxazone, USAN, INN C-00091

2-Oxo-2H-1,3-benzoxazine-3(4H)-acetamide, *9CI, 8CI. Surodil. Timostenil. FI 6654*

[18464-39-6]



$C_{10}H_{10}N_2O_3$ M 206.201

Antidepressant. Mp 203-205°.

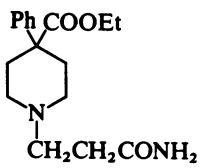
▷DM3300000.

Bernardi, L. *et al*, *Experientia*, 1968, **24**, 774 (*synth, pharmacol*)
Suchowsky, G.K. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 643.
Suchowsky, G.K. *et al*, *Eur. J. Pharmacol.*, 1969, **6**, 327 (*pharmacol*)
De Angelis, L., *Med. Actual.*, 1976, **12**, 235 (*rev*)
Bernardi, L. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1412 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2506.

Carperidine, BAN, INN C-00092

1-(3-Amino-3-oxopropyl)-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *9CI. 1-(2-Carbamoylethyl)-4-phenylisonipecotic acid ethyl ester. NIH 7790*

[7528-13-4]



$C_{17}H_{24}N_2O_3$ M 304.388

Analgesic, antitussive.

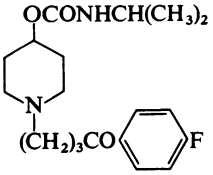
B,HCl: Cryst. Mp 179.8-182.7°.

B.P., 880 139, (*1961*); *CA*, **56**, 12860 (*synth, pharmacol*)

Carperone, INN **C-00093**

4'-Fluoro-4-(4-hydroxypiperidino)butyrophenone isopropylcarbamate, 8CI. AL 1021

[20977-50-8]



$C_{19}H_{27}FN_2O_3$ M 350.432

Antipsychotic, antiemetic. Mp 105-105.3°.

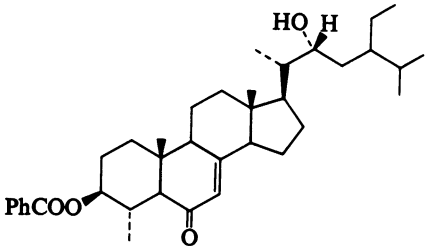
▷FB3235000.

Guerrero-Figuerosa, R. *et al, Curr. Ther. Res.*, 1969, **11**, 121 (*pharmacol*)
Li, J.P. *et al, J. Med. Chem.*, 1970, **13**, 1230 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12530.

Carpesterol **C-00094**

3-Benzoyloxy-22-hydroxy-4-methyl-5α-stigmast-7-en-6-one, 9CI

[31077-78-8]



$C_{37}H_{54}O_4$ M 562.831

Constit. of *Solanum xanthocarpum* and *S. marginatum*. Antiinflammatory agent. Cryst. Mp 251°. $[\alpha]_D^{27}$ +67°.

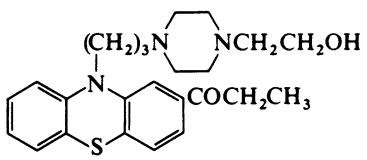
Ac: Mp 193-195°.

Tsay, Y. *et al, J. Am. Chem. Soc.*, 1970, **92**, 7005 (*struct*)
Beisler, J.A. *et al, J. Org. Chem.*, 1971, **36**, 3946 (*isol, struct*)
Bhattacharya, T.K. *et al, Fitoterapia*, 1980, **51**, 265 (*pharmacol*)

Carphenazine, BAN **C-00095**

1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10H-phenothiazin-2-yl]-1-propanone, 9CI. ***Carfenazine, INN.*** *Wy 2445*

[2622-30-2]



$C_{24}H_{31}N_3O_2S$ M 425.588

Tranquilliser, used as dimaleate.

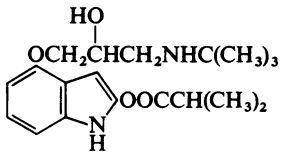
Maleate (1:2): [2975-34-0]. *Carphenazine maleate, USAN. Proketazine. NSC 71755.* Yellow cryst. (2-propanol). Mp 175-177°.

▷UC2975000.

B.P., 819 886, (*1959*); *CA*, **54**, 5711 (*synth*)
Tislow, R., *Dis. Nervous System*, 1961, **22**, 7 (*pharmacol*)
Zhuraulev, S.V. *et al, Zh. Obshch. Khim.*, 1962, **32**, 2244 (*synth*)
Warren, R.J. *et al, J. Pharm. Sci.*, 1966, **55**, 144 (*ir, uv, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7014.

Carpindolol, INN **C-00096**

1-Methylethyl 4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-1H-indole-2-carboxylate, 9CI. Isopropyl 4-[3-(tert-butylamino)-2-hydroxypropoxy]indole-2-carboxylate. LM 21009



$C_{19}H_{28}N_2O_4$ M 348.441

(±)-form [39731-05-0]

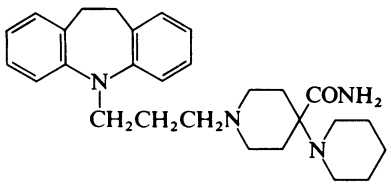
Drug used for treatment of cardiac infarction, β-adrenergic blocker. Cryst. (EtOAc/Et_2O). Mp 137-140°.

U.S.P., 3 705 907, (*1972*); *CA*, **78**, 71905v (*synth*)

Carpipramine, INN **C-00097**

1'-[3-(10,11-Dihydro-5H-dibenz[b,f]azepin-5-yl)-propyl][1,4'-bipiperidine]-4'-carboxamide, 9CI

[5942-95-0]



$C_{28}H_{38}N_4O$ M 446.634

Psychotropic, antidepressant.

▷HO0875000.

B,2HCl: [7075-03-8]. *Defekton. Prazinil. Stabilotren. Bay b4343b. PZ 1511. 21679 RP.* Cryst. + $1H_2O$. Mp 260°.

▷DW1015100.

Nakanishi, M. *et al, Arzneim.-Forsch.*, 1968, **18**, 1435 (*pharmacol*)
Nakanishi, M. *et al, J. Med. Chem.*, 1970, **13**, 644 (*synth*)
Japan. Pat., 74 36 692, (*1974*); *CA*, **81**, 49587h (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7015.

Carprazidil, INN **C-00098**

Methyl 5-[3,6-dihydro-1(2H)-pyridinyl]-2-oxo-2H-[1,2,4]oxadiazolo[2,3-a]pyrimidin-7-ylcarbamate, 9CI

[68020-77-9]



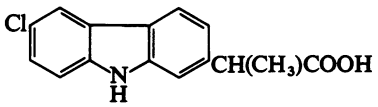
$C_{12}H_{13}N_5O_4$ M 291.266

Peripheral vasodilator, antihypertensive agent. Cryst. (MeOH/CH_2Cl_2). Mp 215° dec.

Ger. Pat., 2 804 518, (*1978*); *CA*, **89**, 197595q (*synth, pharmacol*)
Muller, J.C. *et al, Helv. Chim. Acta*, 1982, **65**, 1445, 1454 (*synth, pharmacol, ir, nmr, cryst struct*)

Carprofen, BAN, USAN, INN **C-00099**

6-Chloro-α-methyl-9H-carbazole-2-acetic acid, 9CI. *2-(6-Chloro-2-carbazolyl)propionic acid. Imadyl. Rimadyl. Rimidil. C 5720. Ro 20-5720/000*



$C_{15}H_{12}ClNO_2$ M 273.718

▷FE3180000.

(±)-form [53716-49-7]

Antipyretic, analgesic, antiinflammatory drug. Cryst. ($CHCl_3$). Mp 197-198°.

▷FE3180000.

Ger. Pat., 2 337 340, (*1974*); *CA*, **80**, 108366q (*synth, pharmacol*)
Randall, L.O. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1976, **220**, 94 (*pharmacol*)
Hodshon, B.J. *et al*, *Biomed. Mass. Spectrom.*, 1979, **6**, 325 (*ms*)
Kemmerer, J.M. *et al*, *J. Pharm. Sci.*, 1979, **68**, 1274 (*isomers*)
Strub, K. *et al*, *Eur. J. Rheumatol. Inflammation*, 1982, **5**, 478, 492 (*pharmacol, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12531.

Carpronium(1+) **C-00100**

*4-Methoxy-*N,N,N*-trimethyl-4-oxo-1-butanaminium,* 9CI. *(3-Carboxypropyl)trimethylammonium methyl ester,* 8CI

[14075-13-9]

$Me_3N^{\oplus}(CH_2)_3COOMe$

$C_8H_{18}NO_2^{\oplus}$ M 160.236 (ion)

Chloride: [13254-33-6]. *Carpronium chloride,* INN. *Actinamin. Furozin. Ptosine.*
$C_8H_{18}ClNO_2$ M 195.689
Anticholinergic, spasmolytic agent. Vasodilator. Cubic cryst. (Me_2CO). Insol. Et_2O. Mp 126°.

▷BP3900000.

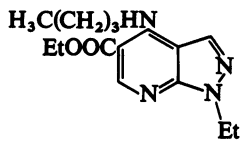
Bromide: Cryst. (Me_2CO). Mp 82°.

Strack, E. *et al*, *Ber.*, 1943, **76B**, 14 (*synth*)
Aksnes, G. *et al*, *J. Chem. Soc.*, 1959, 103 (*synth*)
Chaillet, F. *et al*, *Arch. Int. Pharmacodyn.*, 1961, **133**, 333 (*pharmacol*)
Ohya, K. *et al*, *J. Chromatogr.*, 1974, **90**, 230 (*tlc*)
Anon., *Med. Pharm.*, 1979, **13**, 73 (*rev, anal, metab*)

Cartazolate, USAN, INN **C-00101**

*Ethyl 4-(butylamino)-1-ethyl-1*H*-pyrazolo[3,4-*b*]-pyridine-5-carboxylate,* 9CI. *SQ 65396*

[34966-41-1]



$C_{15}H_{22}N_4O_2$ M 290.364

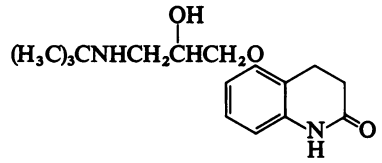
Antidepressant. Mp 82-83°.

Hoehn, H. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 235 (*synth*)
Kripalani, K.J. *et al*, *Xenobiotica*, 1981, **11**, 481 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12532.

Carteolol, BAN, INN **C-00102**

*5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-3,4-dihydro-2(1*H*)-quinolinone,* 9CI

[51781-06-7]



$C_{16}H_{24}N_2O_3$ M 292.377

(*R*)-form [75331-19-0]

B,HCl: [59567-87-2]. Needles (1-propanol). Mp 243-245° dec. $[\alpha]_D^{16}$ +13.9° (c, 1 in H_2O).

(*S*)-form [81102-77-4]

Pharmacol. active isomer.

B,HCl: [59567-88-3]. Needles (1-propanol). Mp 242-244°. $[\alpha]_D^{16}$ −14.3° (c, 1 in H_2O).

(±)-form [97221-00-6]

β-Adrenergic blocker, antiarrhythmic drug.

B,HCl: [51781-21-6]. *Carteolol hydrochloride,* JAN, USAN. *Arteolol. Arteoptic. Carbonolol hydrochloride. Cartrol. Endak. Mikelan. Tenalet. Tenalin (new). Abbott 43326. OPC 1085.* Cryst. (EtOH). Mp 278°.

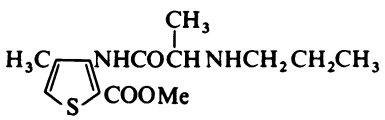
▷VC8282000.

Yamamoto, K. *et al*, *J. Pharm. Soc. Japan*, 1976, **96**, 289 (*synth, isomers*)
Kido, M. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 2109 (*cryst struct*)
Tsuda, Y. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 3593 (*synth*)
Winkler, W., *Arzneim.-Forsch.*, 1983, **33**, 279 (*numerous papers*)
Chen, L.C. *et al*, *CA*, 1985, **103**, 215132 (*synth*)
Kan, K. *et al*, *Agric. Biol. Chem*, 1985, **49**, 207 (*synth*)
Sander, G.E. *et al*, *New Cardiovasc. Drugs*, 1986, 19 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12533.

Carticaine, BAN **C-00103**

4-Methyl-3-[[1-oxo-2-(propylamino)propyl]amino]-2-thiophenecarboxylic acid methyl ester, 9CI. *4-Methyl-3-[2-(propylamino)propionamido]-2-thiophenecarboxylic acid methyl ester,* 8CI. ***Articaine, INN***

[23964-58-1]



$C_{13}H_{20}N_2O_3S$ M 284.373

(±)-form

Local anaesthetic. $Bp_{0.3}$ 162-167°.

B,HCl: [23964-57-0]. *Alphacaine. Ultracain. Hoechst 40045.* Mp 117-118°.

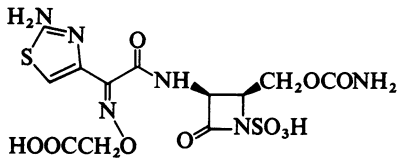
▷XM8511000.

South African Pat., 6 804 265, (*1969*); *CA*, **71**, 91287d (*synth*)
Den Hertog, A., *Eur. J. Pharmacol.*, 1974, **26**, 175 (*pharmacol*)
Muschaweck, R. *et al*, *Prakt. Anaesth.*, 1974, **9**, 135, 147, 152, 157 (*pharmacol*)
Borchard, U., *Anaesthesiol. Intensivmed.*, 1978, **113**, 3 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7614.

Carumonam, INN; BAN **C-00104**

Clafalix. Ro 17-2301. AMA 1080. Antibiotic AMA 1080. Antibiotic Ro 17-2301

[87638-04-8]



$C_{12}H_{14}N_6O_{10}S_2$ M 466.397

Semisynth. monobactam antibiotic. V. active against gram-negative bacteria. Shows clinical potential. Cryst. + $1.5H_2O$.

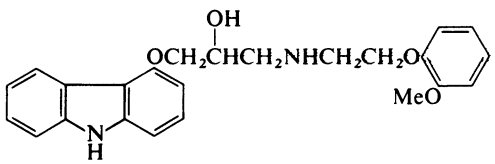
Di-Na salt: [86832-68-0]. *Carumonam sodium, USAN.*

Kishimoto, S. *et al, J. Antibiot.*, 1983, **36**, 1421 (*synth*)
Matsuda, K. *et al, J. Antimicrob. Chemother.*, 1985, **16**, 539 (*props*)
Neu, H.C. *et al, J. Antimicrob. Chemother.*, 1986, **18**, 35 (*props*)
Sendai, M. *et al, J. Antibiot.*, 1986, **38**, 346 (*synth, props*)
Kito, G. *et al, Chemotherapy (Tokyo)*, 1987, **35**, Suppl. 2 (*pharmacol, props*)

Carvedilol, BAN, INN, USAN **C-00105**

1-(9H-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)-ethyl]amino]-2-propanol, 9CI. BM 14190

[72956-09-3]



$C_{24}H_{26}N_2O_4$ M 406.480

(±)-form

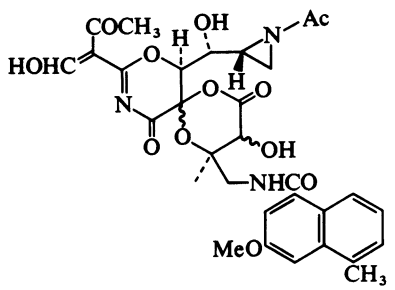
Vasodilator, β-adrenoceptor antagonist, antihypertensive agent. Cryst. Mp 125-126°.

Ger. Pat., 2 815 926, (*1979*); *CA*, **92**, 128716e (*synth*)
Ger. Pat., 3 319 027, (*1984*); *CA*, **102**, 113292 (*resoln*)
Abshagen, U., *J. Cardiovasc. Pharmacol.*, 1987, **10** (*Suppl. 11*), S23 (*rev, pharmacol*)
Cubeddu, L.X. *et al, Clin. Pharmacol. Ther.*, 1987, **41**, 31 (*pharmacol*)
Reiff, K., *J. Chromatogr.*, 1987, **413**, 355 (*hplc*)
Sponer, G. *et al, J. Cardiovasc. Pharmacol.*, 1987, **10** (*Suppl. 11*), S49 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18917.

Carzinophilin **C-00106**

NSC 20088

[1403-29-8]



$C_{31}H_{33}N_3O_{12}$ M 639.615

Peptide antibiotic. From *Streptomyces sahachiroi.* Antitumour agent active against bacteria and mycobacteria. Needles. Mp 217-222° dec. $[\alpha]_D^{28}$ +57.8° ($CHCl_3$). Incorrect struct. and mol. formula assigned before 1983.

▷FI2800000.

Onda, M. *et al, J. Am. Chem. Soc.*, 1983, **105**, 6311 (*struct, pmr, bibl*)
Onda, M. *et al, Chem. Pharm. Bull.*, 1984, **32**, 2995 (*pmr, cmr, struct, bibl*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 653.

Casanthranol, USAN **C-00107**

Peristin

[8024-48-4]

Purified mixt. of anthranol glycosides. 2 active forms. Isol. from *Cascara sagrada.* Laxative. Microcryst. spheroids (2-propanol). No def. Mp. $[\alpha]_D^{26}$ −34.3° (MeOH). Component of Casakol, Dialose Plus.

Dodecaacetate:
$C_{57}H_{66}O_{30}$ M 1231.130
Bright-yellow powder. Mp 108-110°.

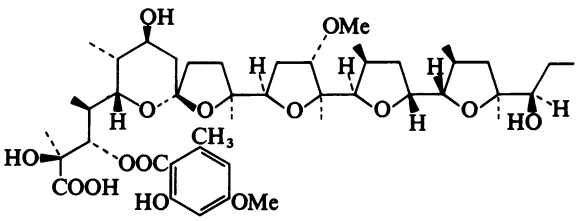
Dodecabenzoate: Mp 114° (sinters), Mp 120-125°.

U.S.P., 2 552 896, (*1951*); *CA*, **45**, 9083g (*isol*)
Mahran, G.H., *Proc. Pharm. Soc. Egypt, Sci. Ed.*, 1957, **39**, 161; *CA*, **52**, 20898b (*biol, chem, props*)
Nagata, M., *CA*, 1975, **82**, 149377d (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7505.

Cationomycin, 10CI **C-00108**

Antibiotic 76-11

[80394-65-6]



$C_{45}H_{70}O_{15}$ M 851.039

Polyether antibiotic. Isol. from *Actinomadura azurea.* Active against gram-positive bacteria and mycobacteria. Coccidiostat. Mp 108-112°. $[\alpha]_D^{25}$ +366° (c, 0.382 in $CHCl_3$). pK_{a1} 4.6, pK_{a2} 11.1 (66% dioxan). Shows low toxicity, LD_{50} >200 mg/kg (i.p. mice).

Na salt: Cryst. (MeOH). Mp 184-188°. $[\alpha]_D^{25}$ +36.6° (c, 0.38 in $CHCl_3$).

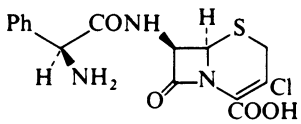
Tl salt: Mp 205-208°.

Nakamura, G. *et al, J. Antibiot.*, 1981, **34**, 1513; 1983, **36**, 1468 (*isol, props*)
Ubukata, M. *et al, J. Am. Chem. Soc.*, 1984, **106**, 2213; *Agric. Biol. Chem.*, 1986, **50**, 1153 (*biosynth, props*)

Cefaclor, BAN, USAN, INN, JAN **C-00109**

Alfatil. Ceclor. Cephaclor. Distaclor. Gliamin. Kefolor. Kefral. Panacef. Panoral. Lilly 99638

[53994-73-3]



$C_{15}H_{14}ClN_3O_4S$ M 367.806

Semisynthetic cephalosporin. Antibiotic. Cryst. $+1H_2O$.

▷XI0363000.

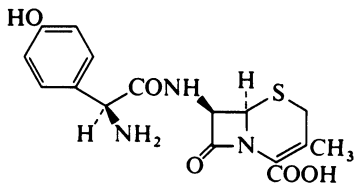
Chauvette, R. *et al, J. Med. Chem.*, 1975, **18**, 403 (*synth, nmr*)

Hopkins, S.J., *Med. Actual.*, 1979, **15**, 311 (*rev*)
Lorenz, L.J., *Anal. Profiles Drug. Subst.*, 1980, **9**, 107 (*rev*)

Cefadroxil, BAN, USAN, INN, JAN C-00110

Cephadroxil. Numerous proprietary names

[50370-12-2]



$C_{16}H_{17}N_3O_5S$ M 363.387

Semisynthetic cephalosporin. Cryst. + $1H_2O$. Mp 197° dec.

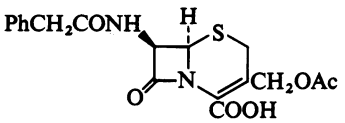
▷XI0337000.

Ger. Pat., 2 263 861, (*1973*); *CA*, **79**, 78822 (*synth*)
Ger. Pat., 2 460 607, (*1975*); *CA*, **83**, 145764 (*synth*)
Dunn, G. *et al*, *J. Antibiot.*, 1976, **29**, 65 (*synth*)
Neuman, M., *Drugs of Today*, 1977, **13**, 471 (*rev*)
U.S.P., 4 160 863, (*1979*); *CA*, **91**, 175376 (*synth, cryst struct*)
Leitner, F. *et al*, *J. Antimicrob. Chemother.*, 1982, **10**, Suppl. B, 1 (*numerous papers*)
Tanrisever, B. *et al*, *Drugs*, 1986, **32**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3969 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 28.

Cefaloram, INN C-00111

7β-Phenylacetylaminocephalosporin. Cephaloram

[859-07-4]



$C_{18}H_{18}N_2O_6S$ M 390.410

Antibiotic. Mp 168-171° dec. $[\alpha]_D$ +91° (dioxan).

Me ester: [3595-22-0]. Cryst. (EtOAc). Mp 178-180°. $[\alpha]_D^{18.5}$ +67° (c, 1 in Me_2CO).

Amide: Cryst. (Me_2CO). $[\alpha]_D^{27}$ +127° (c, 0.89 in DMSO).

5-Oxide: [3595-25-3]. Cryst. (DMF). $[\alpha]_D$ +143° (c, 0.74 in DMSO).

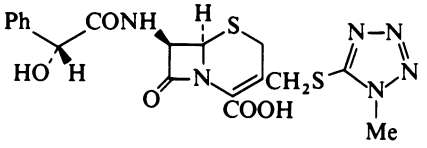
Me ester, 5-oxide: Cryst. (EtOAc). Mp 222-225°. $[\alpha]_D$ +145.5° (c, 0.35 in dioxan).

Chauvette, R.R. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 340 (*synth*)
Cocker, J.D. *et al*, *J. Chem. Soc.*, 1965, 5015 (*synth, uv, ir*)
Cocker, J.D. *et al*, *J. Chem. Soc. (C)*, 1966, 1142 (*synth, uv, ir*)
Yazawa, H. *et al*, *Tetrahedron Lett.*, 1974, 3995 (*synth*)
Mondelli, R. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 1749 (*cmr*)
Martin, G.E. *et al*, *J. Pharm. Sci.*, 1978, **67**, 110 (*synth, ir, pmr*)
Paschal, J.W. *et al*, *J. Org. Chem.*, 1978, **43**, 2013 (*cmr, nmr*)

Cefamandole, USAN, INN C-00112

***Cephamandole, BAN**. Mancef. CMT. Lilly 83405*

[34444-01-4]



$C_{18}H_{18}N_6O_5S_2$ M 462.497

Semisynthetic cephalosporin.

Na salt: [30034-03-8]. *Cefamandole sodium, JAN, USAN.*

▷XI0389000.

O-*Formyl:* [57268-80-1].
$C_{19}H_{18}N_6O_6S_2$ M 490.508
Antibacterial agent.

O-*Formyl, Na salt:* [42540-40-9]. ***Cefamandole nafate, USAN**. Lilly 106223. Numerous proprietary names.* Needles. Mp 190° dec.

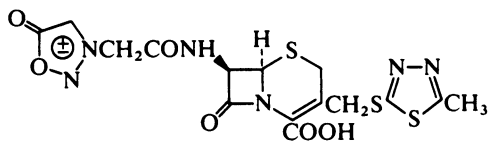
▷XI0380000.

Ger. Pat., 2 506 622, (*1975*); *CA*, **83**, 193358
U.S.P., 3 928 592, (*1976*); *CA*, **84**, 111659
Ger. Pat., 2 654 647, (*1977*); *CA*, **87**, 184518 (*synth, cryst struct*)
Kaiser, G.V. *et al*, *J. Infect. Dis.*, 1978, **137**, (*Suppl.*), 210 (*rev*)
Van Dyk, J.M., *Med. Actual.*, 1978, **14**, 142 (*nafate*)
Bishara, R.A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 125; 1981, **10**, 729 (*nafate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5158 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 42, 43, 18358.

Cefanone C-00113

Cephanone. 7-(Sydnone-3-acetamido)-3-(5-methyl-1,3,4-thiadiazol-2-ylthiomethyl)-3-cephem-4-carboxylic acid

[24209-02-7]



$C_{15}H_{14}N_6O_6S_3$ M 470.492

Cephalosporin antibiotic.

Na salt: [24209-51-6].

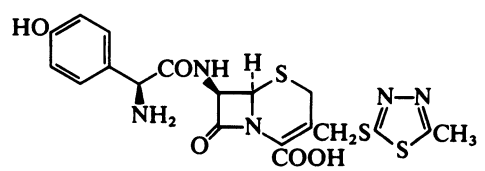
Dicyclohexylamine salt (1:1): [59524-58-2].
$C_{27}H_{35}N_7O_6S_3$ M 649.797
Mp 169-174°.

South African Pat., 68 02 695, (*1968*); *CA*, **71**, 124458 (*synth*)
Neu, H.C. *et al*, *J. Antibiot.*, 1973, **26**, 153 (*props*)
U.S.P., 3 943 126, (*1973*); *CA*, **85**, 21407 (*synth*)

Cefaparole, USAN, INN C-00114

Lilly 110264

[51627-20-4]

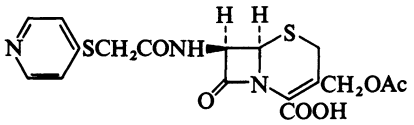


$C_{19}H_{19}N_5O_5S_3$ M 493.570

Cephalosporin antibiotic. Antibacterial agent. Cryst. + $2H_2O$.

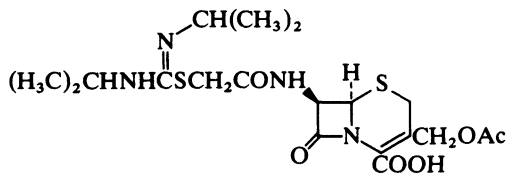
Ger. Pat., 2 316 867, (*1974*); *CA*, **80**, 83015 (*synth, props*)
Dunn, G.L. *et al*, *J. Antibiot.*, 1976, **29**, 65 (*synth, props*)

Cefapirin, BAN, INN **C-00115**
7-[2-(4-Pyridylthio)acetamido]cephalosporanic acid
[21593-23-7]



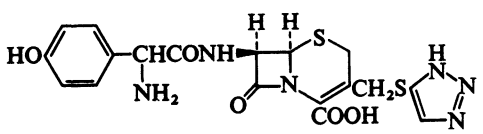
$C_{17}H_{17}N_3O_6S_2$ M 423.458
Semisynthetic. Active against gram-positive and -negative bacteria (vet. use). Cryst. (Me_2CO aq.). Mp 155°.
▷XI0387000.
Na salt: [24356-60-3]. *Cephapirin sodium, USAN. Sodium cefapirin, JAN. Cefadyl. Cefatrexyl. Other proprietary names.* Cryst. powder.
▷XI0382000.
U.S.P., 3 503 967, (*1970*); *CA*, **73**, 3921 (*synth*)
Crast, L.B. *et al*, *J. Med. Chem.*, 1973, **16**, 1413 (*synth, props*)
Goto, S. *et al*, *Chemotherapy (Basel)*, 1976, **22**, 274 (*props*)
Schanck, A. *et al*, *Org. Magn. Reson.*, 1979, **12**, 337 (*cmr*)
Miskolczi, I. *et al*, *Org. Prep. Proced. Int.*, 1982, **14**, 233 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 29.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4333 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 659.

Cefathiamidine **C-00116**
3-[(Acetyloxy)methyl]-7-[[[[[(1-methylethyl)amino][(1-methylethyl)imino]methyl]thio]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI
[33075-00-2]



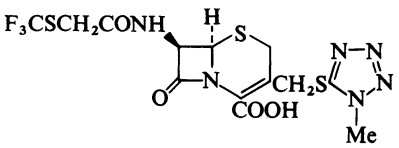
$C_{19}H_{28}N_4O_6S_2$ M 472.573
Antibiotic. Mp 150° dec.
▷XI0373000.
Ger. Pat., 2 052 962, (*1971*); *CA*, **75**, 36074 (*synth, pharmacol*)
Misiek, M. *et al*, *Antimicrob. Agents Chemother.*, 1972, **1**, 54 (*props*)
Tai, T.-Y. *et al*, *Chin. Med. J.*, 1979, **92**, 26 (*rev*)

Cefatrizine, BAN, INN, USAN, JAN **C-00117**
(4-Hydroxyphenyl)glycylamino-3-(1H-1,2,3-triazol-4-ylthiomethyl)-3-cephem-4-carboxylic acid. Bricef. Cefatrix. Cepticol. BL 3640. SKF 60771. S 640P. Other proprietary names
[51627-14-6]



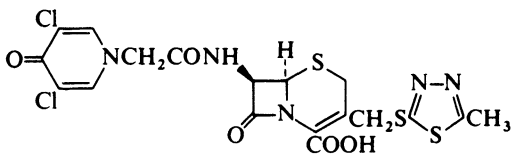
$C_{18}H_{18}N_6O_5S_2$ M 462.497
Semisynthetic. Shows a broad spectrum of antibacterial activity. Orally active.
▷XI0340000.
Ger. Pat., 2 316 866, (*1974*); *CA*, **80**, 83024 (*synth*)
Actor, P. *et al*, *J. Antibiot.*, 1975, **28**, 594 (*pharmacol*)
Stilwell, G.A. *et al*, *Antimicrob. Agents Chemother.*, 1975, **8**, 751.
U.S.P., 3 899 394, (*1975*); *CA*, **84**, 178198 (*synth, pharmacol*)
Dunn, G.L. *et al*, *J. Antibiot.*, 1976, **29**, 65 (*synth, pharmacol*)
Japan. Pat., 76 41 379, (*1976*); *CA*, **86**, 16685 (*synth*)
Roy, C., *Drugs of Today*, 1976, **12**, 171 (*rev*)
Weinstein, A.J., *Drugs*, 1980, **20**, 137 (*rev*)
Roets, E.E. *et al*, *J. Assoc. Off. Anal. Chem.*, 1981, **64**, 166 (*uv, ir, pmr*)
Yamada, H. *et al*, *J. Antibiot.*, 1983, **36**, 522 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4750 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 30.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 296.

Cefazaflur, INN **C-00118**
SKF 59962. Antibiotic SKF 59962
[58665-96-6]



$C_{13}H_{13}F_3N_6O_4S_3$ M 470.459
Semisynth. cephalosporin. Active against gram-negative bacteria. Shows clinical potential. Employed as Na salt.
Mono Na salt: [52123-49-6]. *Cefazaflur sodium, USAN.*
DeMarinis, R.D. *et al*, *J. Antibiot.*, 1975, **28**, 463 (*synth*)
Roy, C. *et al*, *Drugs of Today*, 1976, **12**, 171 (*rev*)
Actor, P. *et al*, *J. Antibiot.*, 1977, **30**, 730 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 31.

Cefazedone, BAN, INN **C-00119**
Refosporin. EMD 30087. Antibiotic EMD 30087
[56187-47-4]

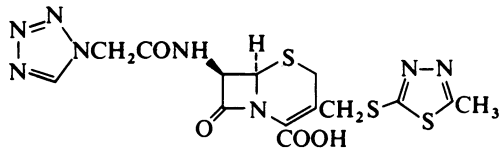


$C_{18}H_{15}Cl_2N_5O_5S_3$ M 548.433
Semisynthetic cephalosporin. Cryst. (MeCN).
Ger. Pat., 2 345 402, (*1975*); *CA*, **83**, 43359 (*synth*)
Gericke, R. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 361 (*synth, props*)
Anon., *Med. Actual.*, 1980, **16**, 76 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15311.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 655.

Cefazolin, INN **C-00120**

Cephazolin, BAN. *Numerous proprietary names*

[25953-19-9]



$C_{14}H_{14}N_8O_4S_3$ M 454.496

Semisynthetic cephalosporin. Needles (Me_2CO aq.). Sol. DMF, Py. Mp 198-200° dec.

▷XI0389900.

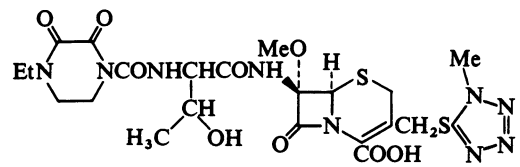
Na salt: [27164-46-1]. *Cefazolin sodium, USAN. Sodium cefazolin, JAN. Cefamedin. Cefamezin. Elzogram. Gramaxin. Kefzol. Totacef. SKF 41558. Ancef.* Sol. H_2O. Mp 185-186° and 188-189° (dimorph.).

▷XI0390000.

Kariyone, K. *et al, J. Antibiot.*, 1970, **23**, 131 (*synth, props*)
Shibata, H. *et al, Antimicrob. Agents Chemother.*, 1970, 467 (*props*)
Zappala, A.E., *Anal. Profiles Drug Subst.*, 1975, **4**, 1 (*rev*)
Nakano, H., *Pharmacol. Biochem. Prop. Drug Subst.*, 1977, **1**, 155 (*rev*)
Van Meerssche, M. *et al, Cryst. Struct. Commun.*, 1979, **8**, 281 (*cryst struct*)
Muneyuki, R. *et al, Chem. Ind. (London)*, 1981, 159 (*synth*)
Tori, K. *et al, Tetrahedron Lett.*, 1981, **22**, 2793 (*cmr*)
Palomo-Coll, A. *et al, Tetrahedron*, 1985, **41**, 5133 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3103 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 44, 18366.

Cefbuperazone, INN, USAN **C-00121**

[76610-84-9]



$C_{22}H_{29}N_9O_9S_2$ M 627.646

Semisynthetic cephalosporin. Broad-spectrum injectable cephamycin. Solid. Mp 118-120° dec.

Mono-Na salt: [76648-01-6]. *Cefbuperazone sodium. Keiperazon. Tomiporan. BMY 25182. T 1982.*

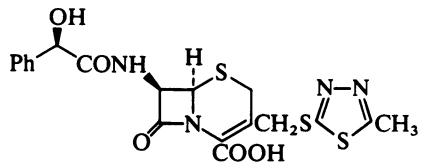
▷XI0373500.

Belgian Pat., 879 217, (*1980*); *CA*, **94**, 103394 (*synth*)
Takakura, I. *et al, Yakugaku Zasshi*, 1982, **102**, 629; 1983, **103**, 414; *CA*, **98**, 16469; **99**, 63781 (*synth, props*)
Yamanaka, Y. *et al, Chemotherapy (Tokyo)*, 1982, **30**, 212 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16565.

Cefcanel, INN **C-00122**

7-[(Hydroxyphenylacetyl)amino]-3-[[(5-methyl-1,3,4-thiadiazol-2-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. KY 087

[41952-52-7]



$C_{19}H_{18}N_4O_5S_3$ M 478.555

Antibacterial agent.

O-*L-Alanyl, (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester:* [97275-40-6]. *Cefcanel daloxate, INN.* $C_{27}H_{27}N_5O_9S_3$ M 661.718

Antibacterial agent.

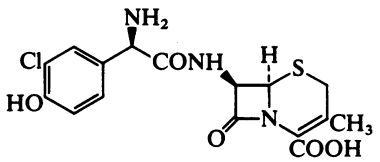
O-*L-Alanyl, (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester; B,HCl:* [92602-21-6]. *KY 109.* Cryst. (EtOH). Mp 158° dec.

Ger. Pat., 2 337 105, (*1974*); *CA*, **80**, 108550 (*synth*)
Eur. Pat., 108 942, (*1984*); *CA*, **101**, 191513 (*daloxate*)
Kakeya, N. *et al, J. Antibiot.*, 1985, **38**, 380 (*daloxate*)
Obana, Y. *et al, J. Antibiot.*, 1988, **41**, 949 (*daloxate*)

Cefedrolor, INN **C-00123**

7-[[Amino(3-chloro-4-hydroxyphenyl)acetyl]amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. Chlorocefadroxil. m-*Chloro*-p-*hydroxycephalexin. BMY 25154*

[57847-69-5]



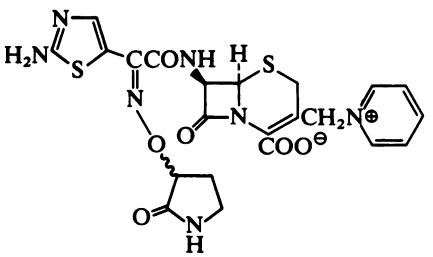
$C_{16}H_{16}ClN_3O_5S$ M 397.833

Antibacterial agent.

Ger. Pat., 3 444 367, (*1985*); *CA*, **103**, 166151 (*synth, pharmacol*)

Cefempidone, BAN, INN **C-00124**

[103238-57-9]



$C_{22}H_{21}N_7O_6S_2$ M 543.571

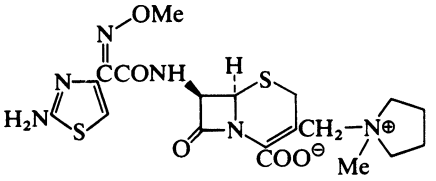
Cephalosporin antibiotic. Antibacterial agent. Mp >250°. $[\alpha]_D^{20}$ +13.4° (c, 1.0 in H_2O).

Eur. Pat., 101 265, (*1984*); *CA*, **101**, 38266 (*synth, props*)

Cefepime, INN, USAN **C-00125**

Antibiotic BMY 28142. BMY 28142

[88040-23-7]



$C_{19}H_{24}N_6O_5S_2$ M 480.556

Cephalosporin antibiotic. Semisynthetic. Shows broad spectrum of antibacterial activity. Shows clinical potential. Powder. Mp 150° dec.

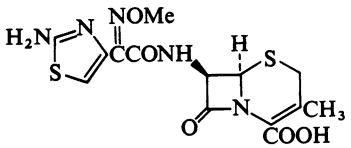
B,H_2SO_4: Mp 210° dec.

Kawaguchi, H. *et al*, *J. Antibiot.*, 1986, **39**, 1092, 1584 (*synth, props*)

Cefetamet, INN, USAN **C-00126**

Ro 15-8074. LY 97964

[65052-63-3]



$C_{14}H_{15}N_5O_5S_2$ M 397.423

Semisynthetic cephalosporin. Veterinary antibacterial agent.

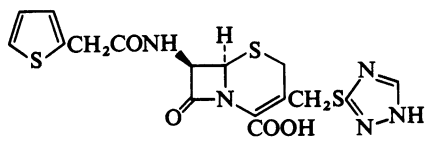
Bucourt, R. *et al*, *Tetrahedron*, 1978, **34**, 2233 (*synth, uv, ir, pmr*)

Ochiai, M. *et al*, *J. Antibiot.*, 1981, **34**, 171 (*synth, uv, ir, pmr, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3412.

Cefetrizole, INN **C-00127**

[65307-12-2]



$C_{16}H_{15}N_5O_4S_3$ M 437.506

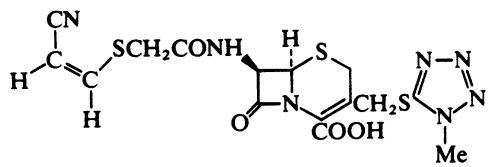
Synthetic antibiotic. Cryst. (EtOH). Mp 182.2-183.8°.

B.P., 2 072 659, (*1981*); *CA*, **95**, 169200n (*synth, pharmacol, ir, uv*)

Cefivitril, INN **C-00128**

7-[[[(2-Cyanoethenyl)thio]acetyl]amino]-3-[[(1-methyl-1H-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI

[66474-36-0]



$C_{15}H_{15}N_7O_4S_3$ M 453.508

Veterinary antibiotic. Mp 113-115° dec.

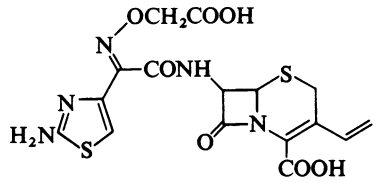
Nannini, G. *et al*, *J. Antibiot.*, 1981, **34**, 412 (*synth, pharmacol*)

Bottarelli, E. *et al*, *CA*, 1987, **107**, 172330, 172331, 172332, 172333 (*pharmacol*)

Cefixime, INN, BAN, USAN **C-00129**

7-[[(2-Amino-4-thiazolyl)(carboxymethoxy)imino]-acetyl]amino-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid. Cefvixime. FK 027. FR 17027

[79350-37-1]



$C_{16}H_{15}N_5O_7S_2$ M 453.444

Cephalosporin antibiotic. Semisynthetic. Orally active against gram-negative bacteria with high stability to β-lactamase. Shows clinical potential. Powder + $3H_2O$.

Yamanaka, H. *et al*, *J. Antibiot.*, 1985, **33**, 1738 (*synth, bibl, props*)

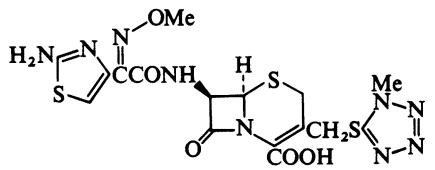
Shimada, K. *et al*, *Jpn. J. Antibiot.*, 1987, **40**, 1537 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12006.

Cefmenoxime, INN **C-00130**

Cefmetoxime. Cephmenoxime. SCE 1365

[65085-01-0]



$C_{16}H_{17}N_9O_5S_3$ M 511.548

Semisynthetic cephalosporin. Active against gram-positive and -negative bacteria, β-lactamase resistant.

Na salt: Powder. Mp 174-175° dec.

2B,HCl: [75738-58-8]. *Cefmenoxime hydrochloride, USAN, JAN. Bestcall. Cefmax. Cemix. Tacef. Abbott 50192.*

▷XI0367700.

Japan. Pat., 80 38 349, (*1980*); *CA*, **93**, 204670

Kamiya, K. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 609 (*cryst struct*)

Ochiai, M. *et al*, *J. Antibiot.*, 1981, **34**, 171, 186 (*synth, uv, ir, pmr*)

Okonogi, K. *et al*, *Antimicrob. Agents Chemother.*, 1981, **20**, 171.

Neu, H.C. *et al*, *Antimicrob. Agents Chemother.*, 1982, **22**, 316 (*props*)

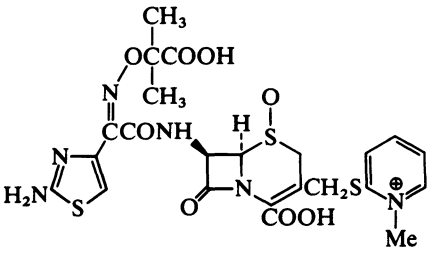
Barriere, S.L. *et al*, *Clin. Pharm.*, 1984, **3**, 351 (*rev*)

Campoli-Richards, D.M. *et al*, *Drugs*, 1987, **34**, 188 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15312.

Cefmepidium(1+) C-00131

2-[[[7-[[(2-Amino-4-thiazolyl)[(1-carboxy-1-methylethoxy)imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]thio]-1-methylpyridinium, 9CI



$C_{23}H_{25}N_6O_8S_3^{\oplus}$ M 609.666 (ion)

Antibacterial agent.

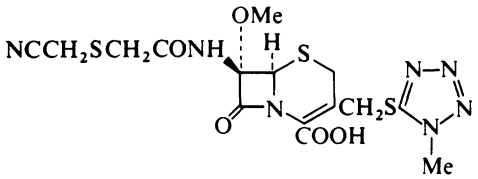
Chloride: [107452-79-9]. *Cefmepidium chloride, INN.* $C_{23}H_{25}ClN_6O_8S_3$ M 645.119

Fr. Pat., 2 516 515, (*1983*); *CA*, **99**, 158129 (*synth, pharmacol*)

Cefmetazole, INN C-00132

Cefmetazon. Cemetol. CS 1170. SKF 83088. Antibiotic CS 1170. Antibiotic SKF 83088

[56796-20-4]



$C_{15}H_{17}N_7O_5S_3$ M 471.523

Semisynthetic cephalosporin.

▷XI0372000.

Na salt: [56796-39-5]. *Cefmetazole sodium, JAN.*

Ger. Pat., 2 455 884, (*1975*); *CA*, **83**, 97330

Nakao, H. *et al*, *J. Antibiot.*, 1976, **29**, 554 (*synth, uv, ir, nmr*)

Nishida, M. *et al*, *J. Antibiot.*, 1979, **32**, 1319 (*props*)

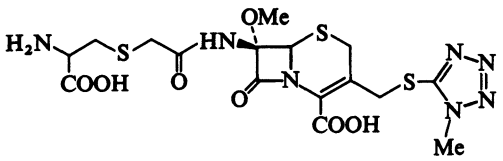
Hiraoka, T., *CA*, 1980, **92**, 175049; **93**, 26305 (*revs*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12540.

Cefminox, INN C-00133

Meicelin. MT 141. Antibiotic MT 141

[84305-41-9]



$C_{16}H_{21}N_7O_7S_3$ M 519.565

Semisynthetic cephamycin. Prepd. from SF 1623. Shows potent *in vitro* and *in vivo* antibacterial activity.

Na salt: [78345-56-9]. Cryst. +7 H_2O (EtOH aq.). Mp 90-91°.

Iwamatsu, K. *et al*, *J. Antibiot.*, 1983, **36**, 229 (*synth, pharmacol*)

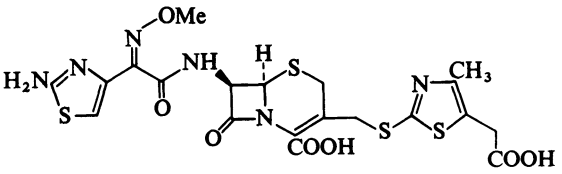
Kodama, Y. *et al*, *CA*, 1984, **101**, 191445 (*cryst struct*)

Mashimo, K., *Jpn. J. Antibiot.*, 1987, **40**, 1549 (*rev,pharmacol*)

Cefodizime, INN C-00134

HR 221. Antibiotic HR 221

[69739-16-8]



$C_{20}H_{20}N_6O_7S_4$ M 584.654

Semisynthetic cephalosporin. Particularly active against *Proteus vulgaris* and *Morganella* sp. Shows clinical potential.

Netherlands Pat., 04 019, (*1978*); *CA*, **91**, 57034 (*synth*)

Jones, R.N. *et al*, *Antimicrob. Agents Chemother.*, 1981, **20**, 760.

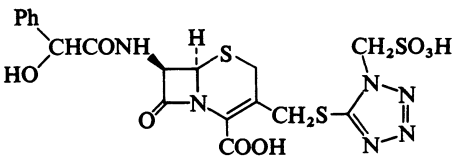
Scully, B.E. *et al*, *Antimicrob. Agents Chemother.*, 1983, **23**, 907 (*props*)

Klesel, N. *et al*, *J. Antibiot.*, 1984, **37**, 901.

Limbert, M. *et al*, *J. Antibiot.*, 1984, **37**, 892 (*props*)

Cefonicid, BAN, INN C-00135

[61270-58-4]



$C_{18}H_{18}N_6O_8S_3$ M 542.556

Semisynthetic cephalosporin. Broad spectrum, long acting antibiotic. Shows good stability to β-lactamases. Used clinically.

Di-Na salt: [61270-78-8]. *Cefonicid sodium, USAN. SKF 75073. Antibiotic SKF 75073. Monocid.*

Mono-Na salt: [71420-79-6]. *Cefonicid monosodium, USAN.*

Ger. Pat., 2 611 270, (*1976*); *CA*, **86**, 29854 (*synth*)

U.S.P., 4 093 723, (*1978*); *CA*, **89**, 180025 (*synth*)

Mehta, R. *et al*, *J. Antibiot.*, 1981, **34**, 202 (*props*)

Barriere, S.L. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 935.

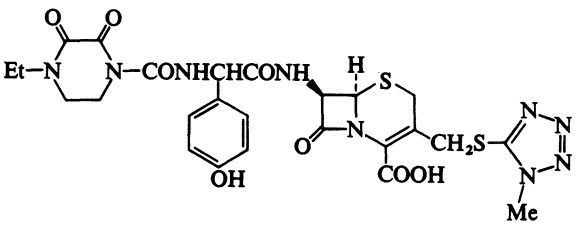
Dudley, M.N. *et al*, *Clin. Pharm.*, 1984, **3**, 23 (*rev*)

Saltiel, E. *et al*, *Drugs*, 1986, **32**, 222 (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16566.

Cefoperazone, BAN, INN C-00136

[62893-19-0]



$C_{25}H_{27}N_9O_8S_2$ M 645.664

Semisynthetic cephalosporin antibiotic. Active against anaerobic bacteria. Cryst. (MeCN aq.). Mp 169-171° (hydrated). Sl. unstable in acid and unstable in alkali.

Na salt: Cefoperazone sodium, USAN. Cefobid. Cefobis. CP 52640-2. T 1551. Other proprietary names.

Belg. Pat., 837 682, (*1976*); *CA*, **87**, 6002 (*synth*)

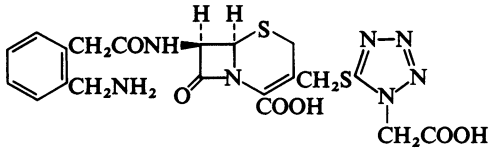
Saikawa, I. *et al*, *Yakugaku Zasshi*, 1979, **99**, 929 (*synth*)

Borobio, M.V. *et al*, *Antimicrob. Agents Chemother.*, 1980, **17**, 129 (*props*)
Brogden, R.N. *et al*, *Drugs*, 1981, **22**, 423 (*rev*)
Barriere, S.L. *et al*, *Clin. Pharm.*, 1984, **3**, 351 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7261.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 187.

Ceforanide, BAN, USAN, INN C-00137

Precef. BL-S 786. Antibiotic BL-S 786

[60925-61-3]



$C_{20}H_{21}N_7O_6S_2$ M 519.549

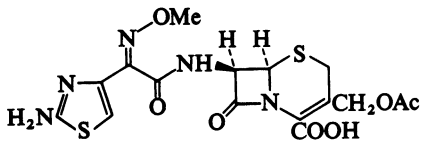
Cephalosporin antibiotic. Shows broad-spectrum antibacterial activity. Solid. Mp >150° dec.

Ger. Pat., 2 538 804, (*1976*); *CA*, **86**, 29844 (*synth*)
Gottstein, W.J. *et al*, *J. Antibiot.*, 1976, **29**, 1226 (*synth*)
Leitner, F. *et al*, *Antimicrob. Agents Chemother.*, 1976, **10**, 426 (*props*)
Wallace, R.J. *et al*, *Antimicrob. Agents Chemother.*, 1981, **20**, 648 (*props*)
U.S.P., 4 297 489, (*1981*); *CA*, **96**, 52079 (*synth*)
Ripa, S. *et al*, *Drugs Exp. Clin. Res.*, 1982, **8**, 269 (*props*)
Tartaglione, T.A. *et al*, *Drug Intell. Clin. Pharm.*, 1985, **19**, 188 (*rev*)
Campoli-Richards, D.M. *et al*, *Drugs*, 1987, **34**, 411 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12541.

Cefotaxime, BAN, INN, JAN C-00138

3-[(Acetyloxy)methyl]-7-[[(2-amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *9CI. 7-[2-(2-Amino-4-thiazolyl)-2-methoxyiminoacetamido]-cephalosporanic acid. FR 13303. Antibiotic FR 13303*

[63527-52-6]



Absolute configuration

$C_{16}H_{17}N_5O_7S_2$ M 455.460

Semisynthetic cephalosporin. Antibiotic.

Na salt: [64485-93-4]. *Cefotaxime sodium*, *USAN. Claforen. HR 756. RU 24756. Antibiotic HR 756. Antibiotic RU 24756.* Mp 162-163° dec.

▷XI0250000.

S-Oxide: [69132-42-9]. ***Ceftioxide, INN. HR 109. Antibiotic HR 109.***

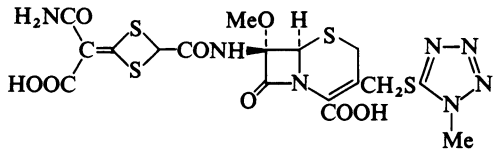
$C_{16}H_{17}N_5O_8S_2$ M 471.459

Potent cephalosporin antibiotic.

Ger. Pat., 2 556 736, (*1976*); *CA*, **85**, 177458 (*synth*)
Japan. Pat., 76 149 296, (*1976*); *CA*, **87**, 53335r (*synth*)
Bucourt, R. *et al*, *Tetrahedron*, 1978, **34**, 2233 (*synth, uv, ir, config*)
Ger. Pat., 2 716 677, (*1978*); *CA*, **90**, 87488 (*synth*)
Heymes, R. *et al*, *Drugs Exp. Clin. Res.*, 1979, **5**, 23 (*pharmacol*)
Duerckheimer, W. *et al*, *Spec. Publ.-R. Soc. Chem.*, 1981, **38**, 46 (*Ceftioxide*)
Ochial, M. *et al*, *J. Antibiot.*, 1981, **34**, 171 (*synth*)
Schrinner, E. *et al*, *Beta-Lactam Antibiot.*, 1981, 120 (*struct activity*)
Dudley, M.N. *et al*, *Clin. Pharm.*, 1982, **1**, 114; 1984, **3**, 351 (*revs*)
Muhtadi, F.J. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 139 (*rev*)
Carmine, A.A. *et al*, *Drugs*, 1983, **25**, 223 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3973 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 32.

Cefotetan, BAN, INN, USAN, JAN C-00139

[69712-56-7]



$C_{17}H_{17}N_7O_8S_4$ M 575.603

Cephalosporin antibiotic. Active against anaerobic bacteria; particularly gram-positive and *Bacteroides fragilis*. Shows good β-lactamase stability. Cryst. ($MeOH/CH_2Cl_2$).

▷XI0330800.

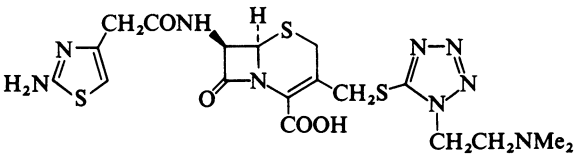
Di-Na salt: [82189-60-4]. *Cefotetan sodium*, *JAN. Apatef. Cefotan. Yamatetan. YM 09330. ICI 156834. Apacef.*

Ger. Pat., 2 824 559, (*1979*); *CA*, **90**, 137844 (*synth, props*)
Iwanami, M. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 2629 (*synth, ir, pmr*)
Wise, R. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 486 (*props*)
Dette, G.A. *et al*, *J. Antimicrob. Chemother.*, 1983, **11** (*Suppl. A*), 1, 11, 19, 31, 37, 45, 59, 67, 139, 159 (*props*)
Periti, P. *et al*, *Drugs Exp. Clin. Res.*, 1983, **9**, 267 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15313.

Cefotiam, BAN, INN C-00140

Ceftiazole

[61622-34-2]



$C_{18}H_{23}N_9O_4S_3$ M 525.618

Semisynthetic cephalosporin antibiotic. Shows broad spectrum activity. Used clinically. Shows high β-lactamase resistance. Mp 217-219°.

▷XI0366000.

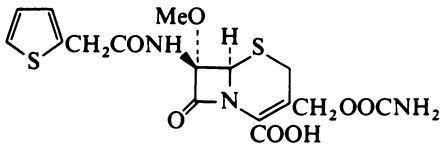
B,2HCl: [66309-69-1]. *Cefotiam hydrochloride*, *JAN*, *USAN. Pansporin. Spizef. Takedrol. Abbott 48999. CGP 14221E. SCE 963. Halospor.* Light-yellow cryst. Sol. MeOH, sl. sol. EtOH.

▷XI0367000.

Ger. Pat., 2 607 064, (*1976*); *CA*, **86**, 72674 (*synth*)
Numata, M. *et al*, *J. Antibiot.*, 1978, **31**, 1262 (*synth*)
Tsushima, S. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 696 (*synth, ir, pmr*)
Doglia Azambuja, R., *Drugs of Today*, 1981, **17**, 357 (*rev*)
Neu, H.C., *Ann. Rev. Pharmacol. Toxicol.*, 1982, **22**, 599 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12542.

Cefoxitin, BAN, USAN, INN **C-00141**

[35607-66-0]



$C_{16}H_{17}N_3O_7S_2$ M 427.446

Semisynthetic cephalosporin. Resistant to β-lactamases. Mp 149-150° dec.

▷XI0386500.

Na salt: [33564-30-6]. *Cefoxitin sodium, JAN, USAN.* Cryst. $[\alpha]_D^{25}$ +210° (c, 1 in MeOH).

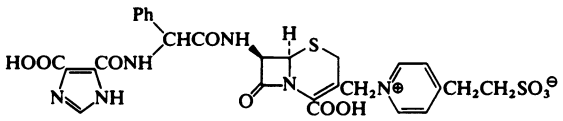
▷XI0330500.

Ratcliffe, R.W. *et al, Tetrahedron Lett.*, 1973, 4653 (*synth*)
Wallick, H. *et al, Antimicrob. Agents Chemother.*, 1974, **5**, 25.
Brogden, R.N. *et al, Drugs*, 1979, **17**, 1 (*rev*)
Shiozaki, M. *et al, Tetrahedron*, 1980, **36**, 2735 (*synth*)
Stapley, E.O. *et al, Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 262 (*rev*)
Brenner, G.S., *Anal. Profiles Drug Subst.*, 1982, **11**, 195 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3970 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 33.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 656.

Cefpimizole, INN, USAN **C-00142**

*AC 1370. U 63196*E

[84880-03-5]



$C_{28}H_{26}N_6O_{10}S_2$ M 670.668

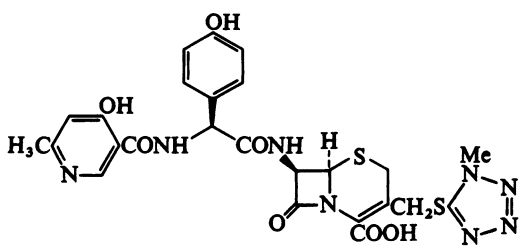
Cephalosporin antibiotic. Semisynthetic. Broad spectrum of activity against gram-positive and -negative bacteria.

Mono-Na salt: [85287-61-2]. *Cefpimizole sodium, USAN.* Cryst. + $3.6H_2O$. $[\alpha]_D^{20}$ −28.2° (c, 0.5 in H_2O).

Neu, H.C. *et al, Antimicrob. Agents Chemother.*, 1983, **24**, 375 (*props*)
Yasuda, N. *et al, J. Antibiot.*, 1983, **36**, 242 (*synth, pharmacol*)
Lakings, D.B. *et al, Antimicrob. Agents Chemother.*, 1984, **26**, 802 (*pharmacol*)
Hara, K. *et al, Drugs of Today*, 1987, **23**, 321 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16567.

Cefpiramide, INN, USAN **C-00143**

[70797-11-4]



$C_{25}H_{24}N_8O_7S_2$ M 612.634

Cephalosporin antibiotic. Semisynthetic. Active against gram-negative bacteria *in vivo* incl. *Pseudomonas aeruginosa*. Shows clinical potential.

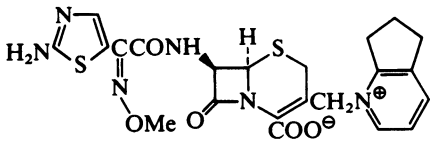
Na salt: Cefpiramide sodium, USAN. Suncefal. SM 1652. Sepatren. Wy 44635.

Japan. Pat., 79 30 197, (*1979*); *CA*, **91**, 57037 (*synth*)
Japan. Pat., 79 119 497, (*1979*); *CA*, **92**, 111042 (*synth*)
Yamada, H. *et al, J. Antibiot.*, 1983, **36**, 532, 543 (*synth, ir, pmr*)
Fujimori, I., *Jpn. J. Antibiot.*, 1985, **38**, 3437 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16569.

Cefpirome, INN **C-00144**

*1-[[7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]-amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-6,7-dihydro-5*H*-1-pyridinium hydroxide inner salt, 9CI. HR 810*

[84957-29-9]



$C_{22}H_{22}N_6O_5S_2$ M 514.573

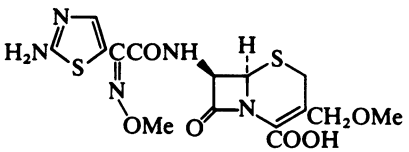
Inner salt. Antibacterial agent. No phys. props. reported.

Seibert, G. *et al, Arzneim.-Forsch.*, 1983, **33**, 1084 (*synth, pharmacol*)
Bawdon, R.E. *et al, Antimicrob. Agents Chemother.*, 1985, **27**, 436 (*hplc*)
Bryskier, A. *et al, Pathol. Biol.*, 1985, **33**, 477 (*rev*)
Maass, L. *et al, Infection (Munich)*, 1987, **15**, 207 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18924.

Cefpodoxime, INN **C-00145**

7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]-amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI

[80210-62-4]



$C_{15}H_{17}N_5O_6S_2$ M 427.449

Antibacterial agent. No phys. props. reported.

Na salt: [82619-04-3]. *R 3746.*

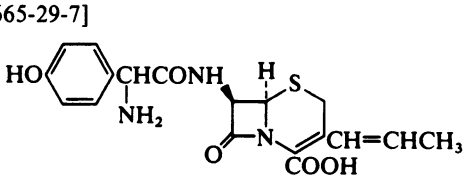
1-[[(1-Methylethoxy)carbonyl]oxy]ethyl ester: [87239-81-4]. ***Cefpodoxime proxetil.*** *CS 807.*
$C_{21}H_{27}N_5O_9S_2$ M 557.592
Antibacterial agent. No phys. props. reported.

Fujimoto, K. *et al, J. Antibiot.*, 1987, **40**, 370 (*synth, props*)
Utsui, Y. *et al, Antimicrob. Agents Chemother.*, 1987, **31**, 1085 (*pharmacol*)

Cefprozil, INN **C-00146**

7-[[Amino(4-hydroxyphenyl)acetyl]amino]-8-oxo-3-(1-propenyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. BMY 28100

[92665-29-7]



$C_{18}H_{19}N_3O_5S$ M 389.425

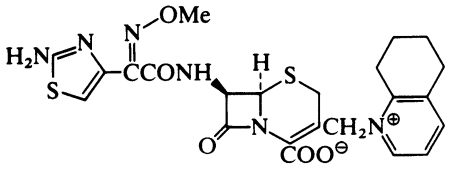
Semisynthetic. Oral cephalosporin. Possesses antibacterial and antibiotic activity. Prisms. Mp 218-220° dec.

Aldridge, K.E. *et al*, *Eur. J. Clin. Microbiol.*, 1987, **6**, 170, 309 (*activity*)
Hiraoka, M. *et al*, *Eur. J. Clin. Microbiol.*, 1987, **6**, 559 (*activity*)
Leitner, F. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 238, 480, 653 (*pharmacol*)
Naito, T. *et al*, *J. Antibiot.*, 1987, **40**, 991, 1175 (*synth, pharmacol*)

Cefquinone, INN C-00147

1-[[7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]-5,6,7,8-tetrahydroquinolinium, 9CI

[84957-30-2]



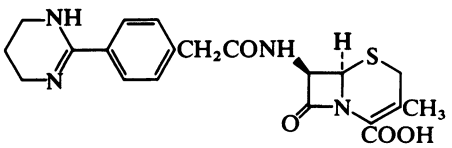
$C_{23}H_{24}N_6O_5S_2$ M 528.600
Inner salt. Antibacterial agent.

Eur. Pat., 64 740, (*1982*); *CA*, **98**, 125762 (*synth, pmr*)

Cefrotil, INN C-00148

3-Methyl-8-oxo-7-[[[4-(1,4,5,6-tetrahydro-2-pyrimidinyl)phenyl]acetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. HR 580

[52231-20-6]



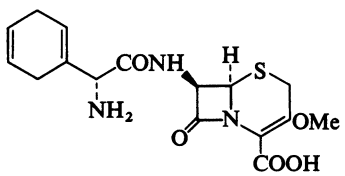
$C_{20}H_{22}N_4O_4S$ M 414.478
Semisynthetic cephalosporin. Antibiotic. Cryst. (Me_2CO aq.). Mp 243-244° dec.

Ger. Pat., 2 222 140, (*1973*); *CA*, **80**, 37130 (*synth, props*)
Dell, D. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 940 (*pharmacol, hplc*)

Cefroxadine, INN, JAN C-00149

CGP 9000. Oraspor

[51762-05-1]



$C_{16}H_{19}N_3O_5S$ M 365.403
Semisynthetic cephalosporin. Exists as internal salt. Orally active antibiotic used clinically. Mp 170° dec. $[\alpha]_D^{20}$ +87° (c, 1.093 in 1*M* HCl). λ_{max} 267 nm (1*M* HCl).

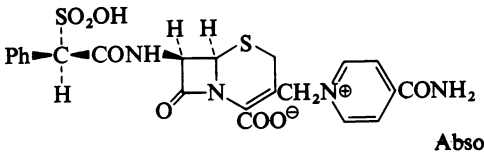
▷XI0335000.

Ger. Pat., 2 331 133, (*1974*); *CA*, **80**, 83019 (*synth*)
Zak, O. *et al*, *J. Antibiot.*, 1976, **29**, 653 (*props*)
Chemotherapy (Tokyo), 1980, **28**, (*Suppl. 3*), 1 (*rev, bibl*)
Mashimo, K. *et al*, *Jpn. J. Antibiot.*, 1982, **35**, 1365 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12543.

Cefsulodin, BAN, INN C-00150

4-(Aminocarbonyl)-1-[[(2-carboxy-8-oxo-7-[(phenylsulfoacetyl)amino]-5-thia-1-azatricyclo[4.2.0]-oct-2-en-3-yl]methyl]pyridinium hydroxide, 9CI. Sulcephalosporin. CGP 7174E. SCE 129. Antibiotic CGP 7174E. Antibiotic SCE 129. Abbott 46811. Other proprietary names

[62587-73-9]



Absolute configuration

$C_{22}H_{20}N_4O_8S_2$ M 532.542
Semisynthetic cephalosporin. Antibiotic.

Na salt: [52152-93-9]. *Cefsulodin sodium, USAN, JAN.* Needles (EtOH aq.). Mp 175° dec. $[\alpha]_D^{23}$ +16.5° (c, 1.08 in H_2O).

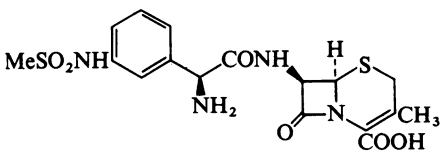
▷UU1785000.

Nomura, H. *et al*, *J. Med. Chem.*, 1974, **17**, 1312 (*synth, pharmacol, nmr, uv*)
Nakamachi, H. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 3457.
Tsuchiya, K. *et al*, *Antimicrob. Agents Chemother.*, 1978, **13**, 536; **14**, 557.
Kennedy, J.R. *et al*, *J. Chem. Eng. Data*, 1979, **24**, 251 (*synth, cmr*)
Coombes, J.D., *Symp. Front. Pharmacol.*, 1982, **1**, 177 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6449 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12544.

Cefsumide, INN C-00151

Cefsulmide. FR 10612

[54818-11-0]



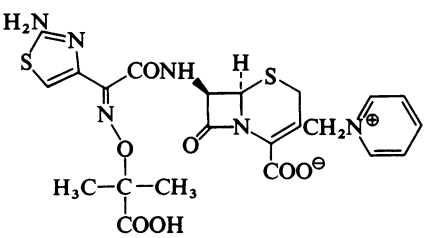
$C_{17}H_{20}N_4O_6S_2$ M 440.488
Semisynth. cephalosporin. Antibacterial agent.

Ger. Pat., 2 422 385, (*1974*); *CA*, **82**, 73008 (*synth*)
Nishida, M. *et al*, *J. Antibiot.*, 1976, **29**, 444 (*pharmacol*)

Ceftazidime, BAN, INN C-00152

Cefortam. Ceftin. Fortam. Fortaz. Glazidim. Panzid. Spectrum. Starcef. Tazicef. Tazidine. GR 20263. Antibiotic GR 20263

[72558-82-8]



$C_{22}H_{22}N_6O_7S_2$ M 546.572
Semisynthetic cephalosporin antibiotic. Inner salt. Shows high activity against *Pseudomonas*. Used clinically.

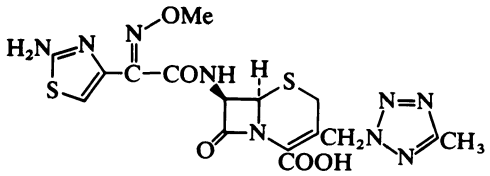
▷UU2230000.

Ger. Pat., 2 921 316, (*1979*); *CA*, **92**, 198413 (*synth*)
O'Callaghan, C.H. *et al*, *Antimicrob. Agents Chemother.*, 1980, **17**, 876 (*props*)
Richards, D.M. *et al*, *Drugs*, 1982, **29**, 105 (*rev, pharmacol*)
Smith, B.R., *Clin. Pharm.*, 1984, **3**, 373 (*rev, pharmacol*)
Wilson, G.M., *Chem. Ind.* (*London*), 1984, 217 (*rev*)
Gentry, L.O., *Pharmacotherapy* (*Carlisle, Mass.*), 1985, **5**, 254 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12545.

Cefteram, INN C-00153

7-[[2-Amino-4-thiazolyl)(methoxyimino)acetyl]-amino]-3-[(5-methyl-2H-tetrazol-2-yl)methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. Ceftetrame. Ro 19-5247. T 2525

[82547-58-8]



$C_{16}H_{17}N_9O_5S_2$ M 479.488
Antibiotic.

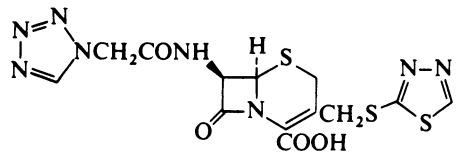
(2,2-Dimethyl-1-oxopropoxy)methyl ester: [82547-81-7]. ***Cefpivtetrame***. *T 2588.*
$C_{22}H_{27}N_9O_7S_2$ M 593.631
Antibiotic.

Ger. Pat., 3 137 854, (*1982*); *CA*, **97**, 72184 (*synth, derivs*)
Watanabe, A. *et al*, *Chemotherapy* (*Tokyo*), 1986, **34** (*Suppl. 2*), 281 (*pharmacol, tox, metab*)
Aldridge, K.E. *et al*, *Eur. J. Clin. Microbiol.*, 1987, **6**, 564 (*props*)
Lee, C.H. *et al*, *Bull. Korean Chem. Soc.*, 1987, **8**, 336 (*synth*)
Okamoto, S. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 1111 (*pharmacol*)
Oldfield, N. *et al*, *J. Chromatogr.*, 1987, **422**, 135 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2899.

Ceftezole, INN C-00154

Demethylcefazolin. Alomen. Celoslin. Falomesin. Phalomesin. CG B3Q. FR 10123

[56478-42-3]



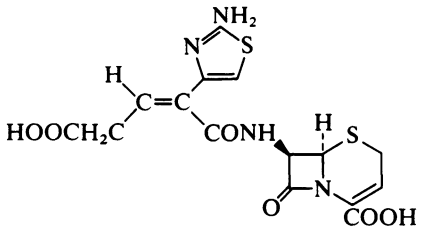
$C_{13}H_{12}N_8O_4S_3$ M 440.469
Semisynthetic cephalosporin. Antibiotic. Mp 155° dec. Also used as Na salt (Ceftezole sodium, JAN).

Can. Pat., 959 051, (*1974*); *CA*, **83**, 58844 (*synth*)
Noto, T. *et al*, *J. Antibiot.*, 1976, **29**, 1058 (*props*)
Roy, C., *Med. Actual.*, 1976, **12**, 171 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 34.

Ceftibuten, INN C-00155

7-[[2-(2-Amino-4-thiazolyl)-4-carboxy-1-oxo-2-butenyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. 7432-S. Sch 39720

[97519-39-6]



$C_{15}H_{14}N_4O_6S_2$ M 410.419
Oral antibiotic. Cryst.

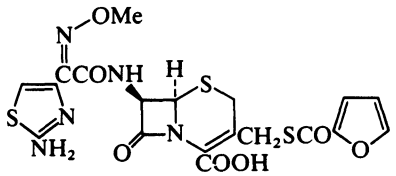
Di-Na salt: [97518-16-6]. Cryst. + $2\frac{1}{2}H_2O$.

Hamashima, Y. *et al*, *J. Antibiot.*, 1987, **40**, 1468 (*synth, pharmacol*)
Yoshioka, M., *Pure Appl. Chem.*, 1987, **59**, 1041 (*rev*)

Ceftiofur, BAN, INN C-00156

CM 31916

[80370-57-6]



$C_{19}H_{17}N_5O_7S_3$ M 523.553
Cephalosporin antibiotic. Antibacterial agent.

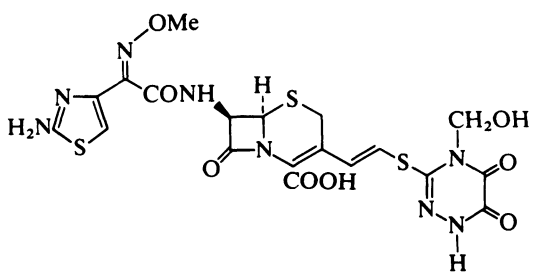
Na salt: [104010-37-9]. *Ceftiofur sodium, USAN.*
B,HCl: [103980-44-5]. *Ceftiofur hydrochloride, USAN.* Cryst.

Eur. Pat., 36 812, (*1981*); *CA*, **96**, 68712 (*synth, props*)
Eur. Pat., 180 372, (*1986*); *CA*, **105**, 133660 (*synth, cryst struct*)
Yancey, R.J. *et al*, *Am. J. Vet. Res.*, 1987, **48**, 1050 (*props*)

Ceftiolene, INN C-00157

7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]-amino]-8-oxo-3-[2-[[1,4,5,6-tetrahydro-5,6-dioxo-4-(2-oxoethyl)-1,2,4-triazin-3-yl]thio]ethenyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. RP 42980

[77360-52-2]

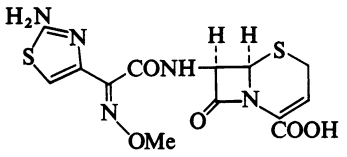


$C_{20}H_{18}N_8O_8S_3$ M 594.591
Antibacterial agent. Cream powder.

Fr. Pat., 2 474 030, (*1981*); *CA*, **96**, 34981 (*synth*)
Eur. Pat., 102 896, (*1984*); *CA*, **100**, 215530 (*synth*)
Williamson, R. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 581 (*pharmacol*)

Ceftizoxime, BAN, JAN, INN C-00158

[68401-81-0]



$C_{13}H_{13}N_5O_5S_2$ M 383.396

Semisynthetic cephalosporin. Shows broad-spectrum of antibiotic activity particularly against enterobacteria. Shows β-lactamase stability. Cryst. Mp 227° dec.

Na salt: [68401-82-1]. *Ceftizoxime sodium, USAN. Cefizox. Epocelin. Eposerin. FK 749. FR 13749. SKF 88373. Ceftix.*

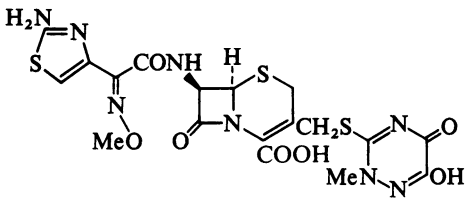
▷XI0368000.

Ger. Pat., 2 810 922, (*1978*); *CA*, **90**, 204116 (*synth*)
U.S.P., 4 298 529, (*1981*); *CA*, **96**, 68715 (*synth*)
Dunn, G.L. *et al*, *J. Antimicrob. Chemother.*, 1982, **10** (*Suppl. C*), 1 (*numerous papers*)
Schell, R.F. *et al*, *Chemotherapy*, (*Basel*), 1983, **29**, 408 (*props*)
Takasugi, H. *et al*, *J. Antibiot.*, 1983, **36**, 36 (*synth, props*)
Barriere, S.L. *et al*, *Clin. Pharm.*, 1984, **3**, 351 (*rev*)
Richards, D.M. *et al*, *Drugs*, 1985, **29**, 281 (*rev, pharmacol*)
Miyamae, A. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 3539 (*cryst struct*)
Kobayashi, M. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 582 (*bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12546.

Ceftriaxone, BAN, INN C-00159

Ro 13-9904. Antibiotic Ro 13-9904

[73384-59-5]



$C_{18}H_{18}N_8O_7S_3$ M 554.570

Synthetic cephalosporin. Active against gram-negative bacteria. β-Lactamase inhibitor with long plasma halflife.

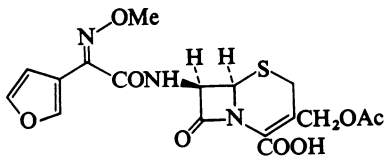
Di-Na salt: [74578-69-1]. *Ceftriaxone sodium, INN. Acantex. Rocefin. Rocephin.* Cryst. powder + $3.5H_2O$. Mp >155° dec. $[\alpha]_D^{25}$ −165° (c, 1 in H_2O).

Reiner, R. *et al*, *J. Antibiot.*, 1980, **33**, 783 (*synth*)
Beskid, G. *et al*, *Antimicrob. Agents Chemother.*, 1981, **20**, 159 (*props*)
Clarke, A.M. *et al*, *J. Antimicrob. Chemother.*, 1981, **7**, 515 (*props*)
Barriere, B.L. *et al*, *Clin. Pharm.*, 1984, **3**, 351 (*pharmacol*)
Cleeland, R. *et al*, *Am. J. Med.*, 1984, **77**, 3, 17, 42 (*revs*)
Richards, D.M. *et al*, *Drugs*, 1984, **27**, 469 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12547.

Cefuracetime, BAN, INN C-00160

3-[(Acetyloxy)methyl]-7-[[2-furanyl(methoxyimino)-acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. 7-[2-(2-Furyl)-2-methoxyiminoacetamidocephalosporanic acid

[39685-31-9]



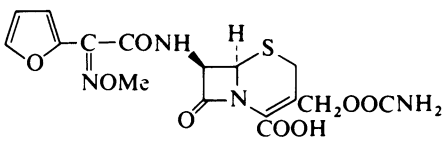
$C_{17}H_{17}N_3O_8S$ M 423.397

Antibiotic.

Ger. Pat., 2 223 375, (*1972*); *CA*, **78**, 58444 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12548.

Cefuroxime, BAN, INN, USAN C-00161

[55268-75-2]



$C_{16}H_{16}N_4O_8S$ M 424.384

Semisynthetic cephalosporin. Parenteral antibiotic with broad spectrum of activity. $[\alpha]_D^{20}$ +63.7° (c, 1 in phosphate buffer, pH 7).

▷XI0329000.

Na salt: [56238-63-2]. *Cefuroxime sodium, JAN.* $[\alpha]_D^{20}$ +60° (c, 0.91 in H_2O).

▷XI0330000.

1-(Acetyloxy)ethyl ester: [64544-07-6]. ***Cefuroxime axetil, BAN, USAN. Maxitil. CCI 15641.***
$C_{20}H_{22}N_4O_{10}S$ M 510.475
Antibiotic. $[\alpha]_D$ +84° (c, 0.87 in DMSO).

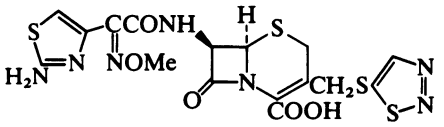
1-(2-Methoxy-2-methyl-1-oxopropoxyethyl ester: [100680-33-9]. ***Cefuroxime pivoxetil, BAN. E 243.***
$C_{23}H_{28}N_4O_{11}S$ M 568.554
Antibiotic. Light-yellow foam. $[\alpha]_D$ +35° (c, 1.45 in $CHCl_3$).

Ger. Pat., 2 439 880, (*1975*); *CA*, **83**, 43354 (*synth*)
O'Callaghan, C. *et al*, *J. Antibiot.*, 1976, **29**, 29 (*props*)
Ger. Pat., 2 706 413, (*1977*); *CA*, **87**, 184523 (*axetil*)
Baehring-Kuhlaney, S.R., *Drugs of Today*, 1979, **15**, 7 (*rev*)
Brogden, R.N. *et al*, *Drugs*, 1979, **17**, 233 (*rev*)
Humber, D.C. *et al*, *Spec. Publ.-R. Soc. Chem.*, 1981, **38**, 38 (*synth*)
Harding, S.M. *et al*, *Antimicrob. Agents Chemother.*, 1984, **25**, 78 (*axetil, pharmacol*)
Wilson, C.M., *Chem. Ind.* (*London*), 1984, 217 (*rev*)
Ger. Pat., 3 500 090, (*1985*); *CA*, **104**, 109344 (*pivoxetil*)
Tartaglione, T.A. *et al*, *Drug Intell. Clin. Pharm.*, 1985, **19**, 188 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3947 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 35, 16570.

Cefuzonam, INN C-00162

Antibiotic L 105. Antibiotic CL 251931. L 105. CL 251931

[82219-78-1]



$C_{16}H_{15}N_7O_5S_4$ M 513.578

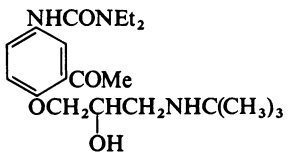
Cephalosporin antibiotic. Semisynthetic. Active against gram-negative bacteria and *Staphylococcus aureus*. Shows clinical potential. Amorph.

Fr. Pat., 2 488 258, (*1982*); *CA*, **97**, 127390 (*synth*)
Curran, W.V. *et al*, *J. Antibiot.*, 1983, **36**, 179 (*synth, props*)
Chemotherapy (*Tokyo*), Suppl. 3, 1986, **34**, (*rev*)

Celiprolol, INN C-00163

N'-[3-Acetyl-4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-N,N-diethylurea, 9CI. *[3-Acetyl-4-[3-(tert-butylamino)-2-hydroxypropoxy]phenyl]-1,2-diethylurea. Celectol. RHC 5320A*

[56980-93-9]



$C_{20}H_{33}N_3O_4$ M 379.498

(R)-form [91878-52-3]

Mp 68-71°. $[\alpha]_D^{22}$ +6.3° (c, 3.2 in $CHCl_3$), $[\alpha]_D^{22}$ −2.6° (c, 3.2. in MeOH).

(±)-form [83688-50-0]

Beta-adrenergic blocking agent. Cryst. (Me_2CO). Mp 117-118°.

B,HCl: Celiprolol hydrochloride, *USAN*. Mp 198-200° dec.

Buskin, J.N. *et al*, *J. Chromatogr.*, 1982, **230**, 454 (*hplc*)
Zoelss, G., *Arzneim.-Forsch.*, 1983, **33**, 2 (*synth*)
Hofer, O. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1157 (*synth, abs config*)
Riddell, J.G. *et al*, *Drugs*, 1987, **34**, 438 (*rev, pharmacol*)
Opie, L.H. *et al*, *Am. J. Cardiol.*, 1988, **61**, 8C, 14C, 34C (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16573.

Cellulase, USAN C-00164

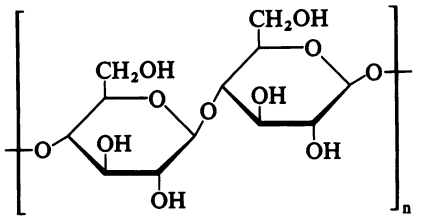
[9012-54-8]

Concentrate of cellulose-splitting enzymes. Isol. from *Aspergillus niger*. Enzyme (digestant adjunct).

Ikeda, R. *et al*, *Agric. Biol. Chem*, 1973, **37**, 1153, 1169 (*purifn, props*)
Hurst, P.L. *et al*, *Biochem. J.*, 1977, **165**, 33; 1978, **169**, 389 (*activity*)
Okada, G., *Agric. Biol. Chem*, 1985, **49**, 1257 (*purifn, props*)

Cellulose, 9CI, 8CI C-00165

[9004-34-6]



$(C_6H_{10}O_5)_n$

An unbranched polymer composed of 1,4 β-linked glucopyranose units. The most abundant organic material found in plants forming the principal constit. of their cell walls giving them structural strength. Cotton is almost pure cellulose. Wood is the most important industrial source. Basic material for textile and paper manuf. Insol. H_2O, most solvs., but forms sol. complexes in conc. aq. $ZnCl_2$, copper-amine solutions and with Fe sodium tartrate solution.

Ac: [9004-35-7]. *Cellulose acetate.* Used in manuf. of photographic film, gramophone discs, lacquers and fibres.

Nitrate: [9004-70-0]. *Nitrocellulose.* Used in explosives (propellants), lacquers, adhesives, plastics (e.g. Celluloid).

▷QW0975180.

Xanthate: [9032-37-5]. *Cellulose xanthate.* Used in manuf. of viscose rayon.

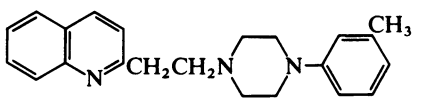
Per-Me: Methyl cellulose. Defoamer, adhesive, thickener, nontoxic food additive and veterinary laxative.

Ott, E. *et al*, *Cellulose and Cellulose Derivatives*, Wiley Interscience, 1954.
Whistler, R.L. *et al*, *Methods Carbohydr. Chem.*, 1963, **3**, 3.
Timell, T.E., *Methods Carbohydr. Chem.*, 1965, **5**, 100 (*synth*)
Ward, K. *et al*, *The Carbohydrates, Chemistry and Biochemistry*, (*Pigman, W. et al*, Ed.), 1970, Academic Press, **2A**, 413
Baker, R.H. *et al*, *High Polym.*, 1971, **5**, 181.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 33.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 475, 858.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 233.

Centhaquine C-00166

2-[2-[4-(3-Methylphenyl)-1-piperazinyl]ethyl]-quinoline, 9CI. *Centaquin. 1-(m-Tolyl)-4-(β-2-quinolylethyl)piperazine. Compound 7173*

[57961-90-7]



$C_{22}H_{25}N_3$ M 331.460

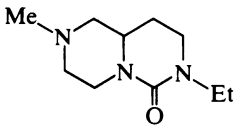
Antihypertensive agent. Mp 76-77°.

U.S.P., 3 983 121, (*1976*); *CA*, **86**, 89882 (*synth, pharmacol*)
Bhatnagar, M. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 693.

Centperazine C-00167

7-Ethyloctahydro-2-methyl-6H-pyrazino[1,2-c]-pyrimidin-6-one, 9CI. Compound 67-255

[25143-13-9]



$C_{10}H_{19}N_3O$ M 197.280

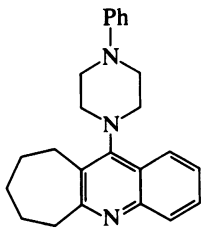
Filaricide. $Bp_{0.05}$ 130-132°.

Saxena, R. *et al, J. Pharm. Pharmacol.*, 1970, **22**, 306 (*synth, pharmacol*)
Sharma, S. *et al, J. Med. Chem.*, 1975, **18**, 913 (*synth, pharmacol*)
Roy, T.K. *et al, Indian J. Med. Res.*, 1981, **74**, 565 (*metab*)
Agarwal, N. *et al, Indian J. Exp. Biol.*, 1985, **23**, 508 (*pharmacol*)
Dubey, S.K. *et al, Indian J. Chem., Sect. B*, 1985, **24**, 787 (*synth, bibl*)

Centphenaquin C-00168

7,8,9,10-Tetrahydro-11-(4-phenyl-1-piperazinyl)-6H-cyclohepta[b]quinoline, 9CI

[28868-64-6]



$C_{24}H_{27}N_3$ M 357.497

Respiratory stimulant. Analeptic. Mp 185°.

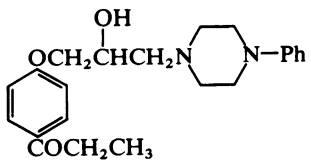
B,2HCl: [98459-16-6].

Patnaik, G.K. *et al, Indian J. Exp. Biol.*, 1985, **23**, 208, 214 (*pharmacol, tox*)
Bindra, J.S. *et al, Indian J. Chem., Sect. B*, 1987, **26**, 318 (*synth, pharmacol*)

Centpropazine C-00169

1-[4-[2-Hydroxy-3-(4-phenyl-1-piperazinyl)propoxy]-phenyl]-1-propanone, 9CI

[34675-77-9]



$C_{22}H_{28}N_2O_3$ M 368.475

▷UC2984000.

(±)-form

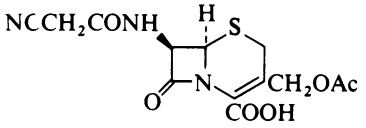
Antidepressant. Cryst. (Me_2CO or Py/EtOAc). Mp 162-164°.

Rastogi, S.N. *et al, J. Med. Chem.*, 1972, **15**, 286 (*synth, pharmacol*)

Cephacetrile C-00170

Cefacetrile, INN

[10206-21-0]



$C_{13}H_{13}N_3O_6S$ M 339.322

Semisynthetic cephalosporin. Antibiotic. Needles (Me_2CO/Et_2O). Mp 168-170° dec.

Na salt: [23239-41-0]. *Cephacetrile sodium, USAN. Cefacetrile sodium, JAN. Celtol. Cristacef. Vetimast. Ba 36278A. Celospor.*

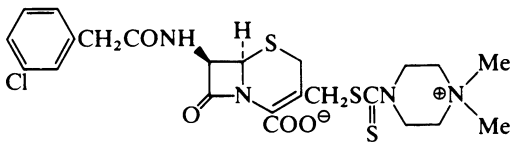
▷XI0370000.

Netherlands Pat., 6 600 586, (*1966*); *CA*, **65**, 20131 (*synth*)
Neu, H. *et al, J. Antibiot.*, 1972, **25**, 400 (*props*)
Kradolfer, F. *et al, Arzneim.-Forsch.*, 1974, **24**, 1446 (*numerous papers*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 36.

Cephachlomazine C-00171

Cefaclomezine

[22561-27-9]



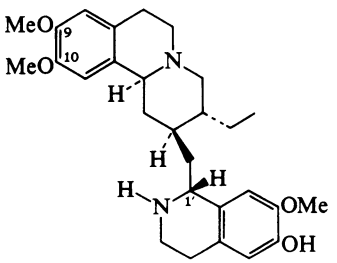
$C_{23}H_{27}ClN_4O_4S_3$ M 555.124

Inner salt. Antibiotic. Cryst. + $\frac{1}{2}H_2O$. Mp 176° dec.

Nakazawa, S., *Jpn. J. Antibiot.*, 1968, **21**, 331 (*pharmacol*)
South African Pat., 67 00 267, (*1968*); *CA*, **70**, 115178 (*synth*)
B.P., 1 178 471, (*1969*) (*synth*)

Cephaeline C-00172

7',10,11-Trimethoxyemetan-6'-ol, 9CI. Desmethylemetine. Dihydropsychotrine



$C_{28}H_{38}N_2O_4$ M 466.619

(−)-form [483-17-0]

Alkaloid from *Alangium lamarckii, A. salviifolium, Psychotria granadensis, P. ipecacuanha* and *Cephaelis acuminata* (biosynth) (Alangiaceae, Rubiaceae). Shows antitumour activity, inhibitor of RNA, DNA and protein biosynth. Emetic and expectorant. Mp 115-116° (104-107°, 110-111°). $[\alpha]_D^{25}$ −43.4° ($CHCl_3$), $[\alpha]_D$ −23.4° (c, 0.81 in $CHCl_3$).

B,HCl: Mp 254-257°. $[\alpha]_D$ +21° (H_2O).
O,N-*Di-Ac:* Mp 116°.
O-*Me: see Emetine, E-00036*
N-*Me:* [6793-51-7]. *Alamarckine.* Semisynthetic; from *N*-methylation of the total crude alkaloids of *A. lamarckii* or of Cephaeline (Alangiaceae). Cryst. (MeOH). Mp 191-192°. $[\alpha]_D$ −50.5° (c, 1.4 in $CHCl_3$).

C-1′ Epimer: [5884-45-7]. ***Isocephaeline***.
$C_{28}H_{38}N_2O_4$ M 466.619
Alkaloid from the seeds of *A. lamarckii* (Alangiaceae). Cryst. (Et_2O). Mp 116° (shrinks from 108°). $[\alpha]_D^{20}$ −69.8° ($CHCl_3$).

O^9*-De-Me:* [82570-80-7]. *9-Demethylcephaeline*. Mp 147° (sinters at 124°). $[\alpha]_D^{12}$ −55.0° (c, 0.50 in $CHCl_3$).

O^{10}*-De-Me:* [29700-91-2]. *10-Demethylcephaeline*. Prob. a monohydrate. Mp 148° (sinters at 129-130°). $[\alpha]_D^{17}$ −53.0° (c, 0.50 in $CHCl_3$).

O-*De-Me:* ***Demethylcephaeline***.
$C_{27}H_{36}N_2O_4$ M 452.592
Alkaloid from the stem bark of *A. lamarckii* (Alangiaceae). Amorph. Mp 147-149°. $[\alpha]_D$ −53.5° ($CHCl_3$). This is probably O^{10}-Demethylcephaeline. O^9 and O^{10}-demethylcephaelines have been synthesised (see above), but a comparison of natural and synthetic compds. could not be carried out.

(±)-*form*
Synthetic. Fine needles + $1H_2O$ (Et_2O). Mp 115-116° and 150° (double Mp).

B,HCl: Mp 258-260°.

Oxalate: Cryst. (MeOH). Mp 215-217°.

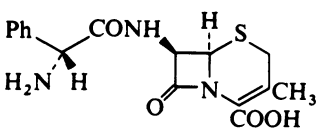
1′-Epimer: [17132-43-3]. (±)-*Isocephaeline*. Synthetic. Cryst. (Et_2O). Mp 176°.

1′-Epimer; B,2HCl: Cryst. (EtOH aq.). Mp 270°.

Battersby, A.R. *et al, J. Chem. Soc.*, 1959, 2704, 3512 (*struct, config*)
Budzikiewicz, H. *et al, Tetrahedron*, 1964, **20**, 399 (*isol, ms*)
Pakrashi, S.C. *et al, Indian J. Chem.*, 1964, **2**, 379 (*isol, Alamarckine*)
Albright, J.D. *et al, Lloydia*, 1965, **28**, 212 (*isol*)
Desai, P.D. *et al, Indian J. Chem.*, 1966, **4**, 457 (*isol*)
Szántay, C. *et al, J. Org. Chem.*, 1966, **31**, 1447 (*synth*)
Battersby, A.R. *et al, J. Chem. Soc., Chem. Commun.*, 1968, 134 (*biosynth*)
Pakrashi, S.C. *et al, Experientia*, 1970, **26**, 933 (*isol, uv, ir, ms, struct, Demethylcephaeline*)
Garg, A.K. *et al, Phytochemistry*, 1972, **11**, 689 (*biosynth*)
Brown, R.T. *et al, J. Chem. Soc., Chem. Commun.*, 1979, 367 (*synth*)
Achari, B. *et al, Planta Med.* (*Suppl.*), 1980, 5 (*isol, uv, Isocephaeline*)
Chen, M.-J. *et al, Chih Wu Hsueh Pao*, 1980, **22**, 257; *CA*, **94**, 12818b (*isol*)
Fujii, T. *et al, Heterocycles*, 1982, **19**, 857 (*Demethylcephaelines*)
Fujii, T. *et al, Alkaloids* (*N.Y.*), 1983, **22**, 31 (*bibl, pharmacol*)
Brown, R.T. *et al, Tetrahedron Lett.*, 1984, **25**, 3127 (*synth*)

Cephalexin, BAN, USAN C-00173

Cefalexin, INN, JAN. *Numerous proprietary names*
[15686-71-2]



$C_{16}H_{17}N_3O_4S$ M 347.388
Semisynthetic cephalosporin. Orally absorbed antibiotic. $[\alpha]_D$ +153° (c, 1 in H_2O). pK_{a1} 5.2, pK_{a2} 7.3.

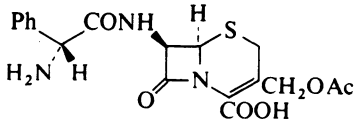
▷XI0350000.

2,2-Dimethylpropanoyloxymethyl ester: See Pivcephalexin, P-00363

Muggleton, P.W. *et al, Antimicrob. Agents Chemother.*, 1968, 353 (*props*)
Ryan, D.M. *et al, J. Med. Chem.*, 1969, **12**, 310 (*synth*)
Marrelli, L.P., *Anal. Profiles Drug Subst.*, 1975, **4**, 21 (*rev*)
Nishikawa, J. *et al, J. Antibiot.*, 1981, **34**, 1645 (*cmr*)
Cooper, J. *et al, Tetrahedron*, 1984, **40**, 4153 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3968 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 37.

Cephaloglycin, BAN, USAN C-00174

7-(D-α-Aminophenylacetamido)cephalosporanic acid. ***Cefaloglycin, INN, JAN***. *Kafocin. Kefglicin. Kefglycin. Lilly 39435*
[3577-01-3]



$C_{18}H_{19}N_3O_6S$ M 405.425
Semisynthetic cephalosporin. $[\alpha]_D$ +93.8° (c, 1.0 in MeCN aq.). Deacetylates *in vivo*.

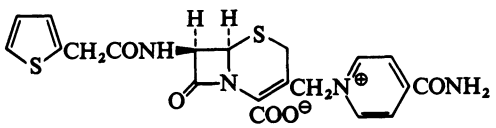
▷XI0345000.

Dihydrate: Mp 223-250° dec.

Kurita, M. *et al, J. Antibiot., Ser. A*, 1966, **19**, 243 (*synth*)
Spencer, J. *et al, J. Med. Chem.*, 1966, **9**, 746 (*synth*)
Kaiser, G. *et al, Cephalosporins and Penicillins*, (*Flynn, E.H., Ed.*), 1972, Academic Press, 74 (*rev*)
Haginaka, J. *et al, J. Antibiot.*, 1980, **33**, 236 (*metab, pharmacol*)
Nishikawa, J. *et al, J. Antibiot.*, 1981, **34**, 1641 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 38.

Cephalonium, BAN C-00175

3-(4-Carbamoyl-1-pyridinomethyl)-7-(2-thienylacetamido)-3-cephem-4-carboxylate. ***Cefalonium, INN***. *Cepravin. GL 87/90. Lilly 41071*
[5575-21-3]



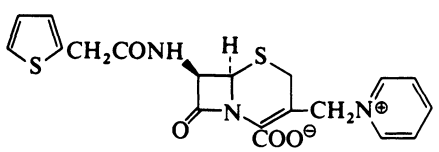
$C_{20}H_{18}N_4O_5S_2$ M 458.506
Inner salt. Semisynthetic. Antibiotic for vet. use. pK_a 3.3.

▷UU2800000.

Spencer, J.L. *et al, Antimicrob. Agents Chemother.*, 1966, 573 (*synth, props*)
B.P., 1 067 644, (*1967*); *CA*, **68**, 39636 (*synth, props*)
Bogan, J. *et al, Med. Actual.*, 1976, **12**, 500 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 39.

Cephaloridine, USAN, BAN C-00176

7-[(2-Thienyl)acetamido]-3-(1-pyridylmethyl)-3-cephem-4-carboxylic acid betaine. ***Cefaloridine, INN***. *Numerous proprietary names*
[50-59-9]



$C_{19}H_{17}N_3O_4S_2$ M 415.481
Semisynthetic cephalosporin. Parenteral antibiotic. Sol. H_2O. $[\alpha]_D$ +47.7° (c, 1.25 in H_2O).

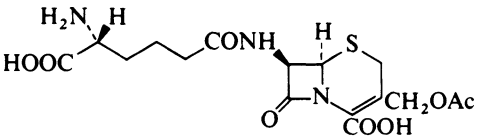
▷UU3675000.

Spencer, J. *et al*, *J. Org. Chem.*, 1967, **32**, 500 (*synth*)
Mandell, G.L., *Ann. Intern. Med.*, 1973, **79**, 561 (*rev*)
Palomo-Nicolau, C. *et al*, *An. Quim. Ser. C*, 1981, **77**, 87 (*synth*)
Tori, K. *et al*, *Tetrahedron Lett.*, 1981, **22**, 2793 (*cmr*)
Cowley, B.R. *et al*, *Tetrahedron*, 1983, **39**, 461 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5140 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 40.

Cephalosporin *C* C-00177

7-[5-Amino-5-carboxyvaleramido]cephalosporanic acid

[61-24-5]



$C_{16}H_{21}N_3O_8S$ M 415.417

Antibiotic from *Cephalosporium acremonium* and *Streptomyces* spp. Manufactured for cleavage to 7-Aminocephalosporanic acid and hence to semisynthetic cephalosporins. pK_{a1} <2.6, pK_{a2} 3.1, pK_{a3} 9.8.

▷XI0331650.

Na salt: Monoclinic cryst. + $2H_2O$ (EtOH aq.). Sol. H_2O. $[\alpha]_D^{20}$ +103° (H_2O).

Deacetyl: [1476-46-6]. ***Deacetylcephalosporin*** C. *Antibiotic F1. Desacetylcephalosporin* C. *WS 3442*E. *Antibiotic WS 3442*E.

$C_{14}H_{19}N_3O_7S$ M 373.380

Produced by *S. wadayamensis* or by microbial hydroxylation or deacetylation. Active against gram-negative and gram-positive bacteria. Powder. λ_{max} 260 (Py).

Deacetyl, Na salt: Cryst. (EtOH aq.). Mp >175° dec. $[\alpha]_D^{20}$ +113.3° (c, 1 in H_2O). λ_{max} 261 nm (pH7 phosphate buffer).

Deacetoxy: [26924-74-3]. *Antibiotic WS 3442*A. *Antibiotic C3. Antibiotic* F3. *WS 3442*A.

$C_{14}H_{19}N_3O_6S$ M 357.381

Produced by *S.* and *C.* spp. pK_{a1} 4.0, pK_{a2} 5.8, pK_{a3} 10.6 (66% DMF). λ_{max} 260 nm (H_2O).

▷XI0331500.

Deacetoxy, Na salt: Cryst. $[\alpha]_D^{24}$ +144.1° (c, 0.53 in H_2O).

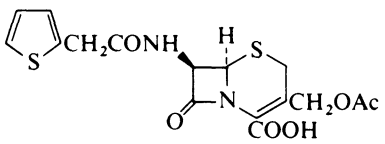
Deacetoxy, N-Ac: [56974-21-1]. Produced by *C. acremonium* mutant. λ_{max} 264 nm (H_2O).

Woodward, R.B. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 852 (*synth*)
Huber, F.M. *et al*, *Appl. Microbiol.*, 1968, **16**, 1011 (*isol, deriv*)
Abraham, E. *et al*, *Cephalosporins and Penicillins*, (*Flynn, E.H. Ed.*), 1972, Academic Press, 1 (*rev*)
Ger. Pat., 2 318 650, (*1973*); *CA*, **80**, 25922 (*isol, deriv*)
Kitano, K. *et al*, *Agric. Biol. Chem.*, 1974, **38**, 1761.
Nagarajan, R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1974, 321.
Fujisawa, Y. *et al*, *Agric. Biol. Chem.*, 1975, **39**, 1295.
Traxler, P. *et al*, *J. Antibiot.*, 1975, **28**, 605 (*isol*)
Japan. Pat., 75 101 583, (*1975*); *CA*, **83**, 191344 (*isol, deriv*)
U.S.P., 3 912 589, (*1975*); *CA*, **84**, 57383 (*isol, deriv*)
Fujisawa, Y. *et al*, *J. Antibiot.*, 1977, **30**, 775 (*isol, deriv*)
Hamill, R.L. *et al*, *J. Chromatogr. Libr.*, 1978, **15**, 69 (*rev*)
Eur. Pat. Appl., 9 363, (*1980*); *CA*, **93**, 130, 556 (*purifn*)
U.S.P., 4 283 492, (*1981*); *CA*, **95**, 202067 (*isol*)
Nishikawa, J. *et al*, *J. Antibiot.*, 1981, **34**, 1645 (*cmr*)
Shoji, J. *et al*, *J. Antibiot.*, 1983, **36**, 167 (*isol, pmr, cmr, cd, deriv*)

Cephalothin, BAN C-00178

*7-(2-Thiopheneacetamido)cephalosporanic acid. **Cefalotin, INN**. Cephalosporin 871. Cephalotin. Other proprietary names*

[153-61-7]



$C_{16}H_{16}N_2O_6S_2$ M 396.432

Semisynthetic cephalosporin. Parenteral antibiotic. Mp 160-160.5°. $[\alpha]_D^{20}$ +50° (c, 1.03 in MeCN).

▷XI0388000.

Na salt: [58-71-9]. *Cephalothin sodium, USAN. Keflin. Lilly 38253.*

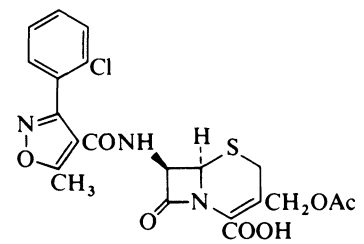
▷XI0383000.

Chauvette, R.R. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3401 (*synth*)
Woodward, R. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 852 (*synth*)
Simmons, R.J., *Anal. Profiles Drug Subst.*, 1972, **1**, 319 (*rev*)
Welles, J.S., *Cephalosporins Penicillins: Chem. Biol.*, 1972, 583 (*rev*)
Ratcliffe, R. *et al*, *Tetrahedron Lett.*, 1973, 4649.
Nishikawa, J. *et al*, *J. Antibiot.*, 1982, **35**, 1724 (*ir, cmr*)
Cowley, B.R. *et al*, *Tetrahedron*, 1983, **39**, 461 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3941 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 41.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2564.

Cephoxazole, BAN C-00179

***Cefoxazole, INN**. Cepoxillin. Glaxo 291/1*

[36920-48-6]



$C_{21}H_{18}ClN_3O_7S$ M 491.902

Semisynthetic cephalosporin. Antibiotic.

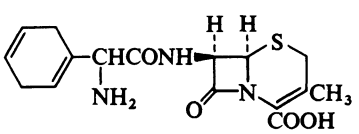
Na salt, hydrate: Cryst. (Me_2CO/Et_2OH aq.). $[\alpha]_D$ +62° (c, 0.88 in H_2O).

Fr. Pat., 1 528 530, (*1968*); *CA*, **71**, 38980 (*synth*)
Bogan, J., *Drugs of Today*, 1977, **13**, 38 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 180.

Cephradine, BAN, USAN C-00180

*7-(1,4-Cyclohexadienylglycylamino)-3-methyl-3-cephem-4-carboxylic acid. **Cefradine, INN, JAN**. Eskacef. Sefril. Velosef. SQ 11436. Numerous proprietary names*

[38821-53-3]



$C_{16}H_{19}N_3O_4S$ M 349.404

Semisynthetic. Antibacterial agent. Activity similar to ampicillin and cephalosporin derivs. Cryst. + $1H_2O$. Mp 140-142° dec. pK_a 7.57.

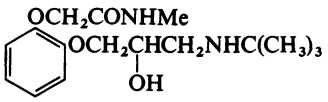
▷XI0336000.

U.S.P., 3 485 819, (*1969*); *CA*, **72**, 79033 (*synth*)
Dolfini, J.E. *et al*, *J. Med. Chem.*, 1971, **14**, 117 (*synth, props*)
Florey, K., *Anal. Profiles Drug Subst.*, 1976, **5**, 21 (*rev*)
Dereppe, J.M. *et al*, *Org. Magn. Reson.*, 1978, **11**, 638 (*cmr*)
Brown, W.E. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 279 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4025 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 45.

Cetamolol, INN C-00181

2-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]phenoxy]-N-methylacetamide, 9CI. AI 27303. ICI 72222

[34919-98-7]



$C_{16}H_{26}N_2O_4$ M 310.392

(±)-form

β-Adrenergic blocking agent. Cryst. (C_6H_6/pet. ether). Mp 96-97°.

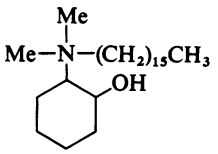
B,HCl: [77590-95-5]. *Cetamolol hydrochloride, USAN. Betacor.*

Ger. Pat., 2 126 169, (*1971*); *CA*, **76**, 72289t (*synth, pharmacol*)
Svendsen, T.L., *J. Cardiovasc. Pharmacol.*, 1983, **5**, 21 (*pharmacol*)
Perry, R.S., *Drugs of Today*, 1986, **22**, 379 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16572.

Cethexonium(1+) C-00182

N-Hexadecyl-2-hydroxy-N,N-dimethylcyclohexanaminium, 9CI. Hexadecyl(2-hydroxycyclohexyl)-dimethylammonium, 8CI

[6810-42-0]



$C_{24}H_{50}NO^{\oplus}$ M 368.665 (ion)

Bactericide, antiseptic.

Chloride: [58703-78-9]. *Cethexonium chloride, INN.*
$C_{24}H_{50}ClNO$ M 404.118

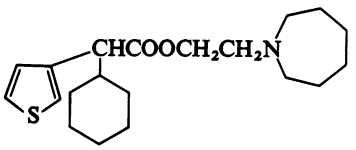
Bromide: [1794-74-7]. *Biocidan.*
$C_{24}H_{50}BrNO$ M 448.569
Mp 140-141°.

Winternitz, F. *et al*, *Bull. Soc. Chim. Biol.*, 1951, **33**, 369 (*synth, pharmacol*)
Johnson, C.A. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 584 (*anal*)
Boussougant, Y. *et al*, *Pathol.-Biol.*, 1973, **21**, 871 (*pharmacol*)

Cetiedil, INN C-00183

2-(Hexahydro-1H-azepin-1-yl)ethyl α-cyclohexyl-3-thiopheneacetate, 9CI, 8CI

[14176-10-4]



$C_{20}H_{31}NO_2S$ M 349.530

Peripheral vasodilator.

B,HCl: [16199-90-9]. Mp 143-152°.

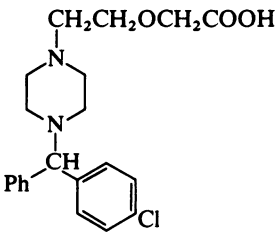
Citrate: Cetiedil citrate, USAN. Fusten. Huberdilat. Stratene. Vasocet. INO 502. Mp 115°.

Robba, M. *et al*, *Chim. Ther.*, 1967, **2**, 120 (*synth*)
Simaan, J.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1976, **198**, 176 (*pharmacol*)
Soeterboek, A.M. *et al*, *Eur. J. Clin. Pharmacol.*, 1977, **12**, 205 (*metab*)
Boissier, J.R. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 2222 (*pharmacol*)
Haring, J. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1980, **18**, 467 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9217.

Cetirizine, BAN, INN C-00184

2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]-ethoxyacetic acid, 9CI. 2-[4-(4-Chlorobenzhydryl)-1-piperazinyl]ethoxyacetic acid

[83881-51-0]



$C_{21}H_{25}ClN_2O_3$ M 388.893

(±)-form

Histamine H_1-antagonist, antiallergic agent. Cryst. Mp 110-115°.

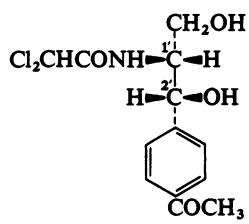
K salt: Hygroscopic cryst. Mp 161-163°.

B,2HCl: [83881-52-1]. *Cetirizine hydrochloride, USAN. Ucb P071.* Mp 225°.

Eur. Pat., 58 146, (*1982*); *CA*, **98**, 34599r (*synth, pharmacol*)
Wasserman, S.I. *et al*, *Ann. Allergy*, 1987, **59**, 1, 4, 13, 31, 278 (*rev, pharmacol, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18617.

Cetophenicol, USAN C-00185

N-[2-(4-Acetylphenyl)-2-hydroxy-1-(hydroxymethyl)-ethyl]-2,2-dichloroacetamide, 9CI. N-[p-*Acetyl-β-hydroxy-α-(hydroxymethyl)phenethyl]-2,2-dichloroacetamide, 8CI.* ***Cetofenicol, INN.*** *W 3746*

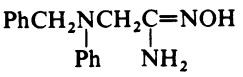


Absolute configuration

$C_{13}H_{15}Cl_2NO_4$ M 320.172

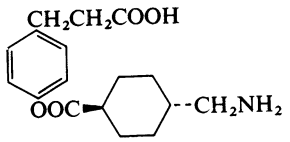
(1'R,2'R)-form [735-52-4]
D-threo-*form*
Antibacterial agent. Mp 125-127°. $[\alpha]_D^{25}$ +13.4° (MeOH).
▷AB4200000.
v. Strandtmann, M. *et al*, *J. Med. Chem.*, 1967, **10**, 888 (*synth, pharmacol*)
Mischer, L.A. *et al*, *J. Med. Chem.*, 1973, **16**, 93, 98 (*cd, conformn*)

Cetoxime, BAN, INN **C-00186**
N-Hydroxy-2-[phenyl(phenylmethyl)amino]-ethanimidamide, 9CI. N-Benzylanilinoacetamidoxime
[25394-78-9]



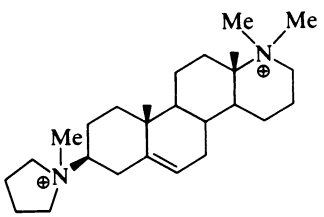
$C_{15}H_{17}N_3O$ M 255.319
Antihistamine. Mp 107-108°.
B,HCl: [22204-29-1]. *Febramine.* Cryst. (EtOH/Et_2O). Mp 164-165°.
B.P., 895 495; *CA*, 1962, **57**, 13673 (*synth*)

Cetraxate, INN **C-00187**
4-[[[4-(Aminomethyl)cyclohexyl]carbonyl]oxy]-benzenepropanoic acid, 9CI. p-Hydroxyhydrocinnamic acid 4-(aminomethyl)cyclohexanecarboxylate, 8CI



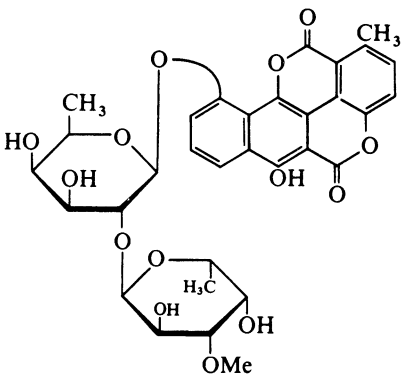
$C_{17}H_{23}NO_4$ M 305.373
trans-form [34675-84-8]
Trypsin and plasmin inhibitor; used for treatment of ulcers and fibrinolysis inhibition.
B,HCl: [27724-96-5]. *Cetraxate hydrochloride, USAN. Neuer. DV 1006.* Cryst. (MeOH/Et_2O). Mp 238-240°.
▷MW5350000.
Atsuji, O. *et al*, *J. Med. Chem.*, 1972, **15**, 247 (*synth, pharmacol*)
Ono, K. *et al*, *Oyo Yakuri*, 1976, **12**, 269, 691 (*metab, pharmacol*)
Ishimori, A. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1625 (*pharmacol*)
Suzuki, Y. *et al*, *Jpn. J. Pharmacol.*, 1979, **29**, 829 (*pharmacol*)
Anon., *Drugs of Today*, 1980, **16**, 290 (*rev*)
Svahn, C.M. *et al*, *J. Med. Chem.*, 1986, **29**, 448 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15314.

Chandonium(2+) **C-00188**
17a,17a-Dimethyl-3-(1-methylpyrrolidinio)-17a-azonia-D-homoandrost-5-ene, 9CI



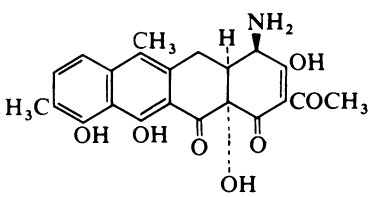
$C_{26}H_{46}N_2^{\oplus\oplus}$ M 386.663 (ion)
Skeletal muscle relaxant.
Diiodide: [54278-85-2]. *Chandonium iodide. HS 310.* $C_{26}H_{46}I_2N_2$ M 640.472
Cryst. (EtOH). Mp 306-308°.
Singh, H. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 1475 (*synth*)
Gandiha, A. *et al*, *Clin. Exp. Pharmacol. Physiol.*, 1975, **2**, 159 (*pharmacol*)
Palmer, R.A. *et al*, *J. Cryst. Mol. Struct.*, 1980, **10**, 31 (*cryst struct*)
Singh, H. *et al*, *Indian J. Exp. Biol.*, 1985, **23**, 253, 265 (*pharmacol, metab*)
Singh, H., *Indian J. Pharm. Sci.*, 1985, **47**, 29 (*rev, pharmacol*)

Chartreusin **C-00189**
Lambdamycin. NSC 5159. X 465A. Antibiotic 747. Antibiotic 1293. Antibiotic X 465A
[6377-18-0]



$C_{32}H_{32}O_{14}$ M 640.596
Isol. from *Streptomyces chartreusis* and other spp. Shows activity against gram-positive bacteria including mycobacteria and tumours. Yellow plates (Me_2CO aq. or CH_2Cl_2/EtOH). Mp 184-186°. $[\alpha]_D^{25}$ +127.5° (c, 0.3 in Py), −36.2° (c, 0.3 in AcOH). Related to Elsamicins.
▷FL7350000.
Mono-Me ether: Prismatic needles (CH_2Cl_2/C_6H_6). Mp 189-191°. $[\alpha]_D^{23}$ +118° (c, 0.55 in Py).
Mono-Me ether, tetra-Ac: Mp 347-348° dec. $[\alpha]_D^{23}$ +17° (c, 0.878 in $CHCl_3$).
Leach, B.E. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 4011 (*isol*)
Berger, J. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1636, 1639 (*props*)
Simonitsch, E. *et al*, *Helv. Chim. Acta*, 1960, **43**, 58; 1964, **47**, 1459 (*struct*)
Eisenhuth, W. *et al*, *Helv. Chim. Acta*, 1964, **47**, 1475 (*struct*)
Canham, P.L. *et al*, *Can. J. Chem.*, 1977, **55**, 2450 (*biosynth*)
Strauss, D.G. *et al*, *Z. Allg. Mikrobiol.*, 1977, **29**, 362 (*isol, props*)
Beisler, J.A., *Prog. Med. Chem.*, 1982, **19**, 247 (*rev, pharmacol*)
Sugawara, K. *et al*, *J. Org. Chem.*, 1987, **52**, 996 (*pmr, cmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 664.

Chelocardin **C-00190**
Cetocycline. β-Chelocardin. Cetotetrin. M 319. Abbott 40728. Antibiotic M 319
[29144-42-1]



$C_{22}H_{21}NO_7$ M 411.410

Antibiotic related to the tetracyclines. Prod. by *Nocardia sulphurea*. Shows activity against gram-positive and -negative organisms. Bright-yellow needles. Dec. at 215-30°. λ_{max} 226 (log ϵ 4.51), 276 (4.70) and 437 nm (3.91) (MeOH). See also Isochelocardin.

▷QI9293000.

B,HCl: [56433-46-6]. Mp 220-230° dec. $[\alpha]_D^{22}$ +570° (c, 1 in MeOH).

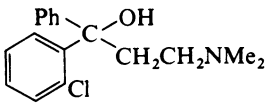
4-Epimer: [33484-05-8]. ***4-Epichelocardin***. From *N. sulphurea*. Shows weak antibacterial props.

Oliver, T.J. *et al*, *Antimicrob. Agents Chemother.*, 1962, 583 (*isol*)
SInorg. Nucl. Chem. Lett., A.C. *et al*, *Antimicrob. Agent Chemother.*, 1962, 592 (*isol*)
Mitscher, L.A. *et al*, *Antimicrob. Agents Chemother.*, 1970, 38 (*struct*)
Mitscher, L.A. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 6070 (*struct*)
Theriault, R.J. *et al*, *J. Antibiot.*, 1982, **35**, 364 (*epimer*)
Mitscher, L.A. *et al*, *J. Antibiot.*, 1983, **36**, 1405 (*isol, cmr*)
Swayze, J.K., *Diss. Abst. Int. B*, 1985, **45**, 2562 (*biosynth, ms*)

Chlophedianol, BAN C-00191

2-Chloro-α-[2-(dimethylamino)ethyl]-α-phenylbenzenemethanol, 9CI. 1-o-Chlorophenyl-3-dimethylamino-1-phenylpropanol. ***Clofedanol, INN****. Numerous proprietary names*

[791-35-5]



$C_{17}H_{20}ClNO$ M 289.804

▷DC7599500.

(+)-form

Mp 115-116.5°. $[\alpha]_D$ +22.3° ($CHCl_3$).

B,HCl: Mp 172-175°. $[\alpha]_D$ +9.0°.

(±)-form

Antitussive. Cryst. (MeOH aq.). Mp 120-121°.

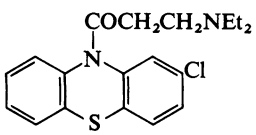
B,HCl: Chlophedianol hydrochloride, USAN. Detigon. Clofedanol hydrochloride, JAN. Mp 190-191°.

Goeswald, R., *Arzneim.-Forsch.*, 1958, **8**, 550 (*pharmacol*)
Chen, J.Y.P. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **128**, 384 (*pharmacol*)
Fles, D. *et al*, *Croat. Chem. Acta*, 1960, **32**, 209 (*synth, resoln*)
Henecka, H. *et al*, *CA*, 1964, **60**, 4121h (*synth, resoln*)
Unterhalt, B. *et al*, *Pharm.-Ztg.*, 1974, **119**, 769 (*ir, pmr, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4399 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5608.

Chloracyzine, INN C-00192

2-Chloro-10-(3-diethylamino)-1-oxopropyl-10H-phenothiazine, 9CI. 2-Chloro-10-(N,N-diethyl-β-alanyl)-phenothiazine. 2-Chloro-10-(3-diethylaminopropionyl)-phenothiazine. Chloracizine. Chloracysin. Khloratsizin

[800-22-6]



$C_{19}H_{21}ClN_2OS$ M 360.901

Coronary vasodilator, spasmolytic agent.

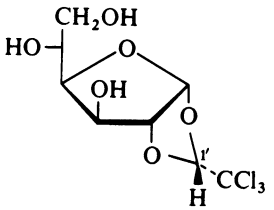
▷Teratogenic. SN7800000.

B,HCl: [1045-82-5]. Light-sensitive yellowish-white powder. Mp 168-169°.

Zhuravlev, S.V. *et al*, *Zh. Obshch. Khim.*, 1956, **26**, 3385 (*pharmacol, synth*)
Fr. Pat., 1 981 060, (*1967*); *CA*, **69**, 19178k (*synth*)
De Leenheer, A. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 625 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7016.

Chloralose, 8CI, INN C-00193

1,2-O-(2,2,2-Trichloroethylidene)-D-glucofuranose, 9CI. D-Glucochloralose. Glucochloral. Anhydroglucochloral. Chloralosane. Somio. Aphosal. Dulcidor



(1'*R*)-*form*

$C_8H_{11}Cl_3O_6$ M 309.530

(1'R)-form [15879-93-3]

α-form

Bird repellant in grain seeds, photographic developer and rodenticide. Hypnotic. Needles (EtOH or Et_2O). Mp 187°. $[\alpha]_D^{22}$ +19° (c, 5.00 in EtOH).

▷Toxic. FM9450000.

(1'S)-form [16376-36-6]

β-form

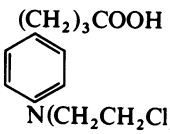
Photographic developer. Less sol. than α-form. Mp 227-230°.

Pictet, A. *et al*, *Helv. Chim. Acta*, 1923, **6**, 621 (*synth, struct*)
Freudenburg, W. *et al*, *J. Am. Chem. Soc.*, 1937, **59**, 1955 (*synth, struct*)
Lees, P., *Vet. Rec.*, 1972, **91**, 330 (*pharmacol, tox*)
Belg. Pat., 875 250, (*1979*); *CA*, **91**, 36002r (*use*)
Ger. Pat., 2 729 739, (*1979*); *CA*, **90**, 153589g (*synth, use*)
Sapru, H.N. *et al*, *Eur. J. Pharmacol.*, 1979, **53**, 151; *CA*, 1979, **90**, 14579f (*use*)
Taga, T. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 1874 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4022.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1476.

Chlorambucil, BAN, INN C-00194

4-[Bis(2-chloroethyl)amino]benzenebutanoic acid, 9CI. Ambochlorin. Chlorobutin. Clorambucile. Ecloril. Leukeran. Linfolysin. Lympholysin. CB 1348. NSC 3088

[305-03-3]



$C_{14}H_{19}Cl_2NO_2$ M 304.216

Antineoplastic drug. Used in conjunction with oestradiol to target breast cancer. Flattened needles (pet. ether). Sol. Et_2O. Mp 64-66°. Component of Bestrabucil.

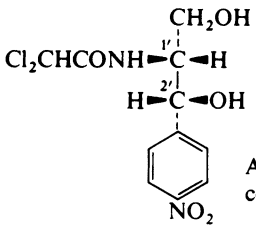
▷Exp. carcinogen and teratogen. ES7525000.

Everett, J.L. *et al*, *J. Chem. Soc.*, 1953, 2386 (*synth*)

Balazs, M.K. *et al*, *J. Pharm. Sci.*, 1970, **59**, 563 (*synth*)
Van Putten, L.M. *et al*, *Eur. J. Cancer*, 1971, **7**, 11 (*pharmacol*)
Ollis, J. *et al*, *Cryst. Struct. Commun.*, 1975, **4**, 413 (*cryst struct*)
Mitoma, C. *et al*, *Xenobiotica*, 1977, **7**, 205 (*metab*)
Tariq, M. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 85 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1820.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 667.

Chloramphenicol, BAN, INN C-00195

2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, 9CI. 2-Dichloroacetamido-1-p-nitrophenyl-1,3-propanediol. N-(1,1'-Dihydroxy-1-p-nitrophenylisopropyl)dichloroacetamide. Chloromycetin. Levomycetin. Alficetyn. Chlorcetin. Kemicetine. Paraxin. Chloronitrin. Chlorocid. Flamycin. Enteromycetin. Synthomycin. Umimycin. I 337A. NCI C55709. NSC 3069. Antibiotic I 337A. Antibiotic NCI C55709. Numerous proprietary names



Absolute configuration

$C_{11}H_{12}Cl_2N_2O_5$ M 323.132

▷Can cause leukaemia when used systemically

(1'R,2'R)-form [56-75-7]

Isol. from *Streptomyces venzuelae* and various other bacteria. Antibacterial and antirickettsial antibiotic, now used mainly for ophthalmic and veterinary purposes. Pale-yellow needles (H_2O or 1,2-dichloroethane). Sol. EtOH, EtOAc, Me_2CO, insol. C_6H_6, pet. ether. Mp 149.7-150.7°. $[\alpha]_D^{25}$ −25.5° (EtOAc), $[\alpha]_D^{25}$ +18.6° (c, 4.86 in EtOH). λ_{max} 278 nm (H_2O). Sublimes in high vacuum.

▷AB6825000.

Hexadecanoyl: [530-43-8]. ***Chloramphenicol palmitate, USAN.***

$C_{27}H_{42}Cl_2N_2O_6$ M 561.545

Used to circumvent bitter taste of Chloramphenicol. Cryst. (C_6H_6). Mp 90°. $[\alpha]_D^{26}$ +24.6° (c, 5 in EtOH).

▷RT4735000.

Pantothenate: [31342-36-6]. ***Chloramphenicol pantothenate.***

$C_{20}H_{27}Cl_2N_3O_9$ M 524.354

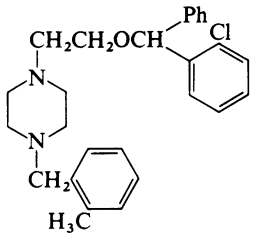
Antibacterial agent. Hygroscopic cryst. Sinters at 93°.

Long, L.M. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 2473 (*synth*)
Honjo, M., *J. Pharm. Soc. Jpn.*, 1953, **73**, 368 (*abs config*)
Edgerton, W.H. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 27 (*palmitate*)
U.S.P., 3 078 300, (*1963*); *CA*, **59**, 3834 (*pantothenate*)
Mitscher, L.A. *et al*, *J. Med. Chem.*, 1973, **16**, 93, 98 (*cd*)
Emes, A. *et al*, *Can. J. Microbiol.*, 1974, **20**, 347 (*biosynth*)
Eng, F. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 47 (*rev*)
Weinstein, L., *Pharmacol. Basis Ther.*, 5th Ed., 1975, 1183 (*rev*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **2**, 920 (*rev*)
Acharya, K. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1360 (*struct*)
Pongs, O. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 26 (*rev*)
Fuglesang, J. *et al*, *Antibiot. Chemother. (Basel)*, 1982, **31**, 1 (*pharmacol, rev*)
Malik, V., *Biotechnol. Ser.*, 1983, **2**, 293 (*rev*)
Vining, L.C., *Drugs Pharm. Sci.*, 1984, **22**, 387 (*rev*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 701 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1901 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 46, 47, 48, 49.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 668.

Chlorbenzoxamine, INN C-00196

1-[2-[(2-Chlorophenyl)phenylmethoxy]ethyl]-4-[(2-methylphenyl)methyl]piperazine, 9CI. Chlorbenzoxyethamine

[522-18-9]



$C_{27}H_{31}ClN_2O$ M 435.008

(±)-form

Anticholinergic agent; used in treatment of gastric and duodenal ulcers. $Bp_{0.01}$ 234-236°.

B,2HCl: [5576-62-5]. *Agastril. Anratal. Antiulcera Master. Gasterax. Gastomax. Libratar. Ulcex. UCB 1474.* Bitter cryst. Mp 197-200°.

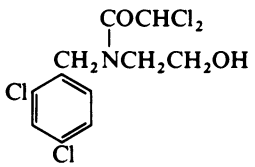
▷TL2380000.

Morren, H.G. *et al*, *Ind. Chim. Belg.*, 1957, **22**, 409 (*synth*)
Levis, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1959, **118**, 167 (*tox*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*props, uv*)
Marozzi, S. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 688.

Chlorbetamide, BAN, INN C-00197

2,2-Dichloro-N-[(2,4-dichlorophenyl)methyl]-N-(2-hydroxyethyl)acetamide, 9CI. N-2,4-Dichlorobenzyl-N-2-hydroxyethyldichloroacetamide. Diantil. Mantomide. Pontelin. Win 5047

[97-27-8]



$C_{11}H_{11}Cl_4NO_2$ M 331.025

Amoebicide. Cryst. with bitter taste. Mp 113°.

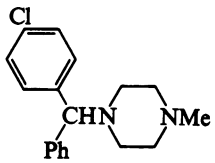
▷AB6551000.

Surrey, A.R. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 5406 (*synth, pharmacol*)
Kidd, D.A.A. *et al*, *Br. J. Pharmacol.*, 1962, **18**, 128 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4767.

Chlorcyclizine, BAN, INN **C-00198**

1-[(4-Chlorophenyl)phenylmethyl]-4-methylpiperazine, 9CI. 1-(p-Chloro-α-phenylbenzyl)-4-methylpiperazine, 8CI. 1-(4-Chlorobenzhydryl)-4-methylpiperazine. Other proprietary names

[82-93-9]



$C_{18}H_{21}ClN_2$ M 300.830

▷TL1925000.

(±)-form

Antihistamine. Oil. $Bp_{0.1-0.15}$ 137-145°.

▷Teratogenic

B,2HCl: [129-71-5]. *Chlorcyclizine hydrochloride, USAN. Diparalene.* Prisms (EtOH/Et_2O). Mp 216-216.5°.

▷TL2100000.

B,HCl: [1620-21-9]. *Histantin. Perazil.* Insol. Et_2O, C_6H_6. Mp 226-227°.

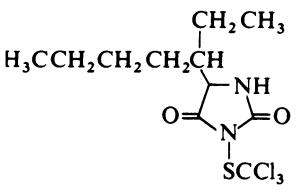
Di-tert-butylnaphthalenesulphonate: Besedan. Bexedan. Licolen. Antitussive.

Baltzly, R. *et al, J. Org. Chem.*, 1949, **14**, 775 (*synth*)
Graham, J.D.P., *Manuf. Chem.*, 1955, **26**, 154 (*synth*)
Warren, R.J. *et al, J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Fowle, A.S.E. *et al, Eur. J. Clin. Pharmacol.*, 1971, **3**, 215 (*pharmacol*)
Gaertner, H.J. *et al, J. Pharmacol. Exp. Ther.*, 1973, **185**, 195 (*metab*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4808 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6114.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 670.

Chlordantoin, BAN **C-00199**

5-(1-Ethylpentyl)-3-[(trichloromethyl)thio]-2,4-imidazolidinedione, 9CI. 5-(1-Ethylpentyl)-3-[(trichloromethyl)thio]hydantoin, 8CI. ***Clodantoin, INN.*** *Curimon. Monicin. Sporostacin-active substance*

[5588-20-5]



$C_{11}H_{17}Cl_3N_2O_2S$ M 347.687

Antifungal agent.

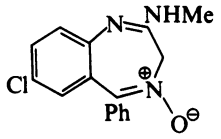
▷MU2400000.

Kupferberg, A.B. *et al, Antibiot. Chemother.*, 1961, **11**, 73 (*pharmacol*)
Sammul, O.R. *et al, J. Assoc. Offic. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2568.

Chlordiazepoxide, BAN, INN, USAN **C-00200**

7-Chloro-N-methyl-5-phenyl-3H-1,4-benzodiazepin-2-amine 4-oxide, 9CI. 7-Chloro-2-(methylamino)-5-phenyl-3H-1,4-benzodiazepine 4-oxide, 8CI. Methaminodiazepoxide. Libritabs. Numerous proprietary names

[58-25-3]



$C_{16}H_{14}ClN_3O$ M 299.759

Sedative, tranquilliser. Light-yellow plates (EtOH). Mp 236-236.5°. Component of Limbritrol and Menrium.

▷DE9275000.

B,HCl: [438-41-5]. *Chlordiazepoxide hydrochloride, USAN. Librium. Tropium. SK-Lygen. NSC 115748.* Cryst. (MeOH). Mp 213°. Component of Pentrium and Librax.

▷DE9450000.

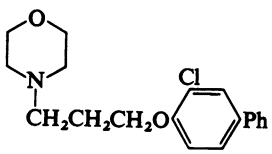
2,6-Di-tert-butyl-1,5-naphthalenedisulfate salt (2:1): [17485-38-0]. *Diazephonate. Diafon. Diazebrum.* Cryst. (EtOH). Mp 240-243°.

Sternbach, L.H. *et al, J. Org. Chem.*, 1961, **26**, 1111 (*synth*)
B.P., 1 074 217, (*1967*); *CA*, **67**, 90838 (*deriv*)
Fales, H.M. *et al, Arch. Mass Spectral Data*, 1971, **2**, 682 (*ms*)
MacDonald, A. *et al, Anal. Profiles Drug Subst.*, 1972, **1**, 15, 39 (*rev*)
Mattson, R.H., *Antiepileptic Drugs*, 1972, Raven Press, N.Y., 497 (*rev, pharmacol*)
Nedenskov, P. *et al, Acta Chem. Scand., Ser. B*, 1977, **31**, 701 (*synth*)
Van der Kleijn, E. *et al, Psychopharmacol. (N.Y.)*, 1977, **2**, 997 (*rev, pharmacol*)
Greenblatt, D.J. *et al, Clin. Pharmacokinet.*, 1978, **3**, 381 (*rev*)
Bertolasi, V. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 1768 (*cryst struct*)
Scahill, T.A. *et al, Org. Magn. Reson.*, 1983, **21**, 621.
Scahill, T.A. *et al, Magn. Reson. Chem.*, 1985, **23**, 280 (*N-15 nmr, pmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3870 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7017, 7018.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1762.

Chlordimorine, INN **C-00201**

4-[3-(3-Chloro-4-biphenylyloxy)propyl]morpholine

[494-14-4]



$C_{19}H_{22}ClNO_2$ M 331.841

Antifungal agent. Mp 56-57°.

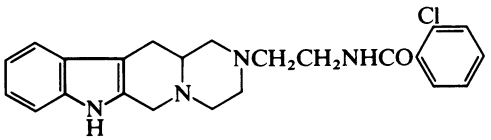
B,HCl: Mp 196-198°.

Vernstein, M. *et al, J. Am. Chem. Soc.*, 1956, **78**, 5398 (*synth*)
Abood, L.G. *et al, Arch. Int. Pharmacodyn.*, 1961, **134**, 106 (*pharmacol*)

Chlorethindole C-00202

2-Chloro-N-[2-[3,4,5,6,7,12,12a-hexahydropyrazino[1',2':1,6]pyrido[3,4-b]indol-2(1H)-yl]ethyl]benzamide, 9CI

[72593-09-0]



$C_{23}H_{25}ClN_4O$ M 408.930

(±)-form

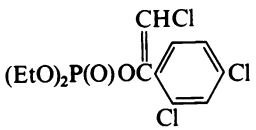
Antihistamine. Cryst. (EtOH). Mp 178°.

Saxena, A.K. *et al*, *Indian J. Chem., Sect. B*, 1983, **22**, 1224 (*synth, pharmacol*)
Patnaik, G.K. *et al*, *Aspects Allergy Appl. Immunol.*, 1984, **17**, 75 (*pharmacol*)

Chlorfenvinphos, BSI, BAN C-00203

2-Chloro-1-(2,4-dichlorophenyl)ethenyl diethyl phosphate, 9CI. *2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate*. ***Clofenvinfos, INN***. *Birlane. Dermaton. Enolofos. Sapecron. Steladone. Supona. Ciba 8949. ENT 24969. GC 4072. SD 7859*

[470-90-6]



$C_{12}H_{14}Cl_3O_4P$ M 359.573

The coml. prod. of which the phys. props. are given contains 10% (*E*)-form and 90% (*Z*)-. The (*Z*)-form is the more active isomer. Insecticide, esp. to combat soil pests and ectoparasites of farm animals. Amber liq. Mp −23° to −19°. $Bp_{0.5}$ 167-170° (tech.), $Bp_{0.008}$ 124-126°. n_D^{20} 1.5281 (tech. product).

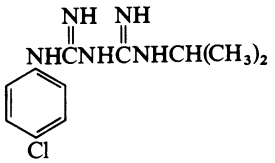
▷Highly toxic. TB8750000.

Ambrose, A.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1970, **17**, 323 (*tox*)
Beynon, K.I., *Residue Rev.*, 1973, **47**, 55 (*metab, rev*)
Kita, K. *et al*, *Organika*, 1977, 177, 193; *CA*, **89**, 54388, 71802 (*tox*)
Śledziński, B. *et al*, *Organika*, 1977, 1, 11, 19; *CA*, **90**, 22159, 22160, 102961 (*synth*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*ms*)
Zalucki, A., *Organika*, 1977, 131; *CA*, **89**, 71905 (*tox*)
Śledziński, B. *et al*, *Organika*, 1978, 1; 1979, 1; *CA*, **91**, 123292; **94**, 83719 (*synth, ir, pmr*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A078.
Pesticide Manual, 6th Ed., 100; 7th Ed., 107.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 483.

Chlorguanide C-00204

N-(*4-Chlorophenyl*)-N'-(*1-methylethyl*)-*imidodicarbonimidic diamide*, 9CI. *1'-(p-Chlorophenyl)-5-isopropylbiguanide*, 8CI. ***Proguanil, INN***. *Bigumal. Chloriguane. Numerous proprietary names*

[500-92-5]



$C_{11}H_{16}ClN_5$ M 253.734

Antimalarial drug, no longer in widespread use. Rectangular plates (toluene). Mp 130-131°.

▷Toxic. DU1225000.

B,HCl: Paludrine. Cryst. (H_2O or EtOH aq.). Spar. sol. H_2O. Mp 244-245°.

Williamson, J. *et al*, *Nature* (*London*), 1947, **159**, 885 (*props*)
Curd, F.H.S. *et al*, *J. Chem. Soc.*, 1948, 1630 (*synth*)
Aviado, D.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1968, **13**, 228 (*tox, pharmacol*)
Ammon, H.L. *et al*, *J. Med. Chem.*, 1973, **16**, 169 (*cryst struct*)
Armstrong, V.L., *Diss. Abstr. Int. B*, 1973, **33**, 3832 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2075 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1388.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 759.

Chlorhexadol, BAN C-00205

2-Methyl-4-(2,2,2-trichloro-1-hydroxyethoxy)-2-pentanol, 9CI. ***Chloralodol, INN***. *Dormex. Lora* (*obsol.*). *Mechloral. Mecoral. Medodorm. WM 1127*

[3563-58-4]

$Cl_3CCH(OH)OCH(CH_3)CH_2C(OH)(CH_3)_2$

$C_8H_{15}Cl_3O_3$ M 265.564

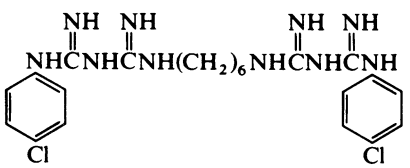
Hypnotic, sedative. Cryst. Mp 102-104°.

U.S.P., 2 931 838, (*1960*); *CA*, **54**, 12999 (*synth*)
Condouris, G.A. *et al*, *Am. J. Med. Sci.*, 1961, **242**, 574 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4023.

Chlorhexidine, BAN, INN C-00206

N,N''-*Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide*, 9CI. *1,1'-Hexamethylenebis[5-(p-chlorophenyl)biguanide]*, 8CI. *1,6-Bis-p-chlorophenyldiguanidinohexane. Numerous proprietary names*

[55-56-1]



$C_{22}H_{30}Cl_2N_{10}$ M 505.452

Widely used topical antiseptic. Constit. of Savlon, etc. Mp 134°.

▷DU1925000.

B,2HCl: [3697-42-5]. *Chlorhexidine hydrochloride, USAN. Lisium*. Mp 260-262° dec.

B,2AcOH: [56-95-1]. Mp 154-155°. Aq. solns. dec. above 70°.

▷DU1930000.

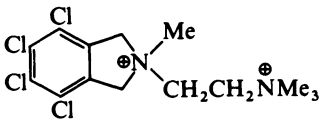
Di-D-gluconate: [18472-51-0]. *Chlorhexidine gluconate, USAN.*

▷DU1950000.

Rose, F.L. *et al, J. Chem. Soc.*, 1956, 4422 (*synth*)
Senior, N., *J. Soc. Cosmet. Chem.*, 1973, **24**, 259 (*rev*)
Butler, W.H. *et al, Int. Congr. Symp. Ser.-R. Soc. Med.*, 1980, **23**, 45 (*tox*)
Fardal, O. *et al, J. Am. Dent. Assoc.*, 1986, **112**, 863 (*rev, use*)
Russell, A.D., *Infection (Munich)*, 1986, **14**, 212 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6672 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2220, 2221, 2222.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 672.

Chlorisondamine(2+) C-00207

4,5,6,7-Tetrachloro-2,3-dihydro-2-methyl-2-[2-(trimethylammonio)ethyl]-1H-isoindolium, 9CI. Ecolid



$C_{14}H_{20}Cl_4N_2^{\oplus\oplus}$ M 358.137 (ion)
Antihypertensive agent.

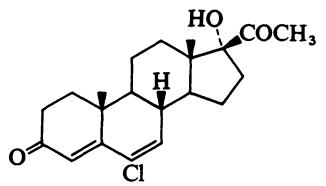
Dichloride: [69-27-2]. *Chlorisondamine chloride, BAN, INN. Chisindamon. Hisindamon. Su 3088.*
$C_{14}H_{20}Cl_6N_2$ M 429.043
Cryst. + 1EtOH (EtOH). Mp 258-265°.

▷NR3675000.

U.S.P., 3 025 300, (*1962*); *CA*, **58**, 3398h (*synth*)
Chatten, L.G. *et al, J. Pharm. Sci.*, 1967, **56**, 834 (*cryst struct*)
Tabei, R. *et al, Clin. Pharmacol. Ther.*, 1970, **11**, 269 (*pharmacol*)
Boura, A.H.A. *et al, Discoveries Pharmacol.*, 1984, **2**, 73 (*rev*)

Chlormadinone, BAN, INN C-00208

6-Chloro-17α-hydroxy-4,6-pregnadiene-3,20-dione
[1961-77-9]



$C_{21}H_{27}ClO_3$ M 362.896
Progestational steroid. Cryst. (MeOH). Mp 212-214°. $[\alpha]_D$ +68° (dioxan).

▷TU3730000.

Ac: [302-22-7]. ***Chlormadinone acetate, USAN.*** *Clordion. Gestafortin. Lormin. Normenon. Verton. Numerous proprietary names.*
$C_{23}H_{29}ClO_4$ M 404.933
Oral progesterone. Cryst. (Me_2CO/Et_2O). Mp 211-212°. $[\alpha]_D$ +8° ($CHCl_3$).

▷Exp. carcinogen and teratogen. TU3750000.

Brueckner, K. *et al, Chem. Ber.*, 1961, **94**, 1225 (*synth*)
B.P., 932 153, (*1964*); *CA*, **61**, 4453 (*synth*)
Merk, E., *Angew. Chem., Int. Ed. Engl.*, 1964, **3**, 68 (*rev*)
Dorfman, R.I., *Advan. Biosci.*, 1969, **4**, 357 (*rev*)
Langbein, G. *et al, J. Prakt. Chem.*, 1973, **315**, 8 (*synth*)
Pawelczyk, E. *et al, Acta Pol. Pharm.*, 1973, **30**, 289 (*ir*)
Chandross, R.J. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 928 (*cryst struct*)
Draper, R.W., *J. Chem. Soc., Perkin Trans. 1*, 1983, 2787 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6893 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9027.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 628.

Chlormerodrin, BAN, INN C-00209

[3-[(Aminocarbonyl)amino]-2-methoxypropyl]-chloromercury, 9CI. 3-Chloromercuri-2-methoxypropylurea. Neohydrin. Mercloran. Chlormeroprin. Percapyl. Merilid. Other proprietary names
[62-37-3]

$ClHgCH_2CH(OMe)CH_2NHCONH_2$

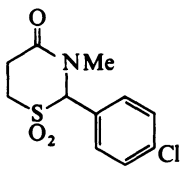
$C_5H_{11}ClHgN_2O_2$ M 367.197
Diuretic, also empl. in labelled form as diagnostic aid for renal function determination or radiological agent (Neohydrin-197 and Neohydrin-203). Air- and light-stable cryst. (EtOH). Spar. sol. H_2O, MeOH. Mp 152-153°.

▷OW1050000.

Rowland, R.L. *et al, J. Am. Chem. Soc.*, 1950, **72**, 3595 (*synth*)
Freedman, L., *Ann. N.Y. Acad. Sci.*, 1957, **65**, 461.
Herzmann, H., *Isotopenpraxis*, 1973, **9**, 349; *CA*, **80**, 43817 (*pharmacol*)
Jovanovic, V. *et al, Nucl.-Med.*, 1974, **12**, 335; *CA*, **81**, 74069 (*metab*)
Thompson, R.D. *et al, J. Pharm. Sci.*, 1975, **64**, 1863 (*anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 336 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2315.

Chlormezanone, BAN, INN C-00210

2-(4-Chlorophenyl)tetrahydro-3-methyl-4H-1,3-thiazin-4-one 1,1-dioxide, 9CI. Clormezanone. Clorometazone. Numerous proprietary names
[80-77-3]



$C_{11}H_{12}ClNO_3S$ M 273.734

▷XJ1050000.

(+)-form
Cryst. (EtOH). Mp 153°. $[\alpha]_D^{22}$ +49.3°.

(−)-form
Mp 153°. $[\alpha]_D^{22}$ −49.6°.

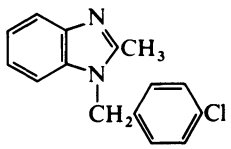
(±)-form
Tranquilliser. Mp 116.2-118.2°.

Surrey, A.R. *et al, J. Am. Chem. Soc.*, 1958, **80**, 3469 (*synth*)
Bastian, J.W., *Arch. Int. Pharmacodyn.*, 1961, **133**, 347 (*pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1897 (*synonyms*)
Blaschke, G. *et al, Justus Liebigs Ann. Chem.*, 1988, 753 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7019.

Chlormidazole, BAN, INN C-00211

1-[(4-Chlorophenyl)methyl]-2-methyl-1H-benzimidazole, 9CI. 1-(p-Chlorobenzyl)-2-methylbenzimidazole, 8CI

[3689-76-7]



$C_{15}H_{13}ClN_2$ M 256.734

Antifungal agent. Cryst. + $1H_2O$. Mp 67-68°. Bp_{12} 240-242°.

▷DD6700000.

B,HCl: [54118-67-1]. *Diamyceline. Futrican. H 115.* Mp 227-228°.

Herrling, S. *et al, Arzneim.-Forsch.*, 1959, **9**, 489 (*pharmacol*)
U.S.P., 2 876 233, (*1959*); *CA*, **54**, 574 (*synth, pharmacol*)
Raab, W. *et al, Arch. Dermatol. Forsch.*, 1971, **240**, 365 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2569.

Chloroacetamide, 9CI C-00212

[79-07-2]

$ClCH_2CONH_2$

C_2H_4ClNO M 93.513

Preservative used in topical pharmaceutical preparations and cosmetics. Shows molluscicidal activity. Sol. H_2O, EtOH, spar. sol. Et_2O. Mp 121°. Bp_{743} 224-225° dec.

▷Highly irritant, mod. toxic. AB5075000.

Formyl:
$C_3H_4ClNO_2$ M 121.523
Mp 89-90°.

Ac: [17368-73-9].
$C_4H_6ClNO_2$ M 135.550
Plates (C_6H_6). Mp 105-106°.

N-*Et:* [105-35-1].
C_4H_8ClNO M 121.566
Bp_{13} 96°.

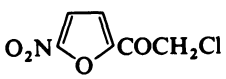
N-*Di-Me:* [2675-89-0].
C_4H_8ClNO M 121.566
Bp_{11} 98-100°.

Org. Synth., Coll. Vol., **1**, 153 (*synth*)
Zaitsev, A.P. *et al, CA*, 1972, **76**, 24659s (*synth*)
Arsenault, M.A. *et al, Appl. Spectrosc.*, 1974, **28**, 197 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18953.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 487.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 237.

2-Chloroacetyl-5-nitrofuran C-00213

2-Chloro-1-(5-nitro-2-furanyl)ethanone, 9CI. Chloromethyl 5-nitro-2-furyl ketone, 8CI. ***Nifurmerone,*** *USAN, INN. Metofurone. NF 71*

[5579-95-3]



$C_6H_4ClNO_4$ M 189.555

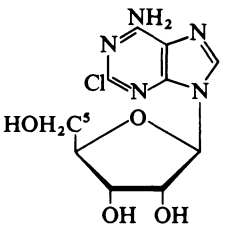
Antifungal agent. Mp 96-97°.

U.S.P., 3 111 530, (*1963*); *CA*, **60**, 2893c (*synth, pharmacol*)

2-Chloroadenosine, 9CI C-00214

AT 265B. Antibiotic AT 265B

[146-77-0]



$C_{10}H_{12}ClN_5O_4$ M 301.689

Nucleoside antibiotic. Isol. from *Streptomyces rishiriensis*. Weakly active against gram-positive and -negative bacteria. Blood platelet aggregation inhibitor. Cryst. + $\frac{1}{2}H_2O$. Mp 133-136° dec. $[\alpha]_D^{22}$ −49.5° (c, 0.1 in H_2O).

▷AU7357550.

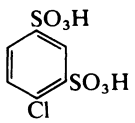
5′-O-*Sulfamoyl:* [66522-52-9]. ***2-Chloro-5′-sulfamoyladenosine.*** *AT 265. Antibiotic AT 265.*
$C_{10}H_{13}ClN_6O_6S$ M 380.762
From *S. rishiriensis*. Active against gram-positive and -negative bacteria. Blood platelet aggregation inhibitor. Needles. Mp 210-213° dec. $[\alpha]_D^{22}$ −17.5° (c, 0.2 in MeOH).

2′-Deoxy: [4291-63-8]. *2-Chloro-2′-deoxyadenosine.*
$C_{10}H_{12}ClN_5O_3$ M 285.690
Cryst. (EtOH). Mp 220° softens. Resolidifies and browns on further heating.

Montgomery, J.A. *et al, J. Heterocycl. Chem.*, 1964, **1**, 213 (*synth, bibl*)
Gough, G.R. *et al, J. Med. Chem.*, 1978, **21**, 520 (*synth*)
Takahashi, E. *et al, J. Antibiot.*, 1982, **35**, 939 (*isol, struct*)
Japan. Pat., 82 206 397, (*1982*); *CA*, **98**, 177496 (*isol, struct*)
Kazimierczuk, Z. *et al, J. Am. Chem. Soc.*, 1984, **106**, 6379 (*deriv*)

4-Chloro-1,3-benzenedisulfonic acid, 9CI C-00215

[27886-55-1]



$C_6H_5ClO_6S_2$ M 272.675

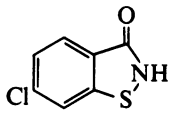
Cryst. (pet. ether). Mp 87-88°.

Disulfonamide: [671-95-4]. ***Clofenamide, INN.*** *4-Chloro-1,3-benzenedisulfonamide, 9CI. Saltron. Soluran. Aquedux. Numerous proprietary names.*
$C_6H_7ClN_2O_4S_2$ M 270.705
Diuretic, antihypertensive agent. Needles. Mp 217-219° (206-207°).

▷CZ9100000.

Olivier, S.C.J., *Recl. Trav. Chim. Pays-Bas*, 1918, **37**, 311 (*synth, deriv*)
Davies, W. *et al, J. Chem. Soc.*, 1928, 1122 (*synth*)
Petrow, V. *et al, J. Pharm. Pharmacol.*, 1960, **12**, 648 (*synth, deriv, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 431 (*synonyms*)

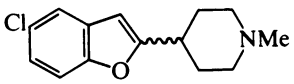
6-Chloro-1,2-benzisothiazol-3(2*H*)-one, 9CI C-00216
Ticlatone, USAN, INN. Landromil. FER 1443
[70-10-0]



C_7H_4ClNOS M 185.628
Antibacterial, antifungal agent. Mp 271-273°.
▷DE4170000.

Ponci, R. *et al*, *Farmaco, Ed. Sci.*, 1967, **22**, 989 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3007.

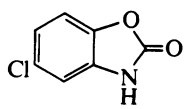
4-(5-Chloro-2-benzofuranyl)-1-methylpiperidine, 9CI C-00217
Sercloremine
[54403-19-9]



$C_{14}H_{16}ClNO$ M 249.740
Antidepressant. Cryst. (hexane). Mp 108-118°.
B,HCl: [54403-20-2]. *Sercloremine hydrochloride. CGP 4718A.* Cryst. (EtOAc). Mp 266°.

Ger. Pat., 2 408 476, (*1974*); *CA*, **82**, 43186 (*synth*)
Waldmeier, P.C. *et al*, *Eur. J. Pharmacol.*, 1984, **107**, 79 (*pharmacol*)

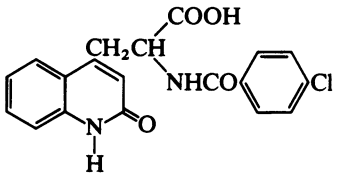
5-Chloro-2(3*H*)-benzoxazolone, 9CI C-00218
5-Chloro-2-benzoxazolinone, 8CI. Chlorzoxazone, BAN, INN. Chloroxazone. Paraflex. Biomioran. Other proprietary names
[95-25-0]



$C_7H_4ClNO_2$ M 169.567
Muscle relaxant. Cryst. (Me_2CO). Spar. sol. H_2O. Mp 191-191.5°.
▷DM5250000.

Sam, G. *et al*, *J. Org. Chem.*, 1958, **23**, 1500 (*synth*)
Stille, I.G., *Arzneim.-Forsch.*, 1962, **12**, 340 (*pharmacol*)
Grafe, I. *et al*, *Chem. Ber.*, 1973, **106**, 1724 (*synth*)
Takeda, K. *et al*, *Synth. Commun.*, 1982, **12**, 213 (*synth*)
Twele, R. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 759 (*metab*)
Kim, S. *et al*, *Heterocycles*, 1986, **24**, 1625 (*synth*)
Stewart, J.T. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 119 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 600 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5706.

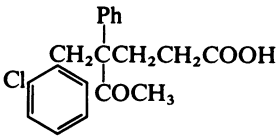
2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]propanoic acid C-00219
OPC 12759
[90098-04-7]



$C_{19}H_{15}ClN_2O_4$ M 370.792
Antiulcer agent undergoing clinical trials (1987).
(+)-***form*** [111911-90-1]
Needles (DMF aq.). Mp 305-306° dec. $[\alpha]_D^{20}$ +116.9° (c, 1 in DMF).
(±)-***form*** [111911-87-6]
Powder + $\frac{1}{2}H_2O$ (DMF aq.). Mp 288-290° dec.

Uchida, M. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3775; 1986, **34**, 4821; 1987, **35**, 853 (*synth, metab, pharmacol, resoln*)
Yamasaki, K. *et al*, *Eur. J. Pharmacol.*, 1987, **142**, 23 (*pharmacol*)

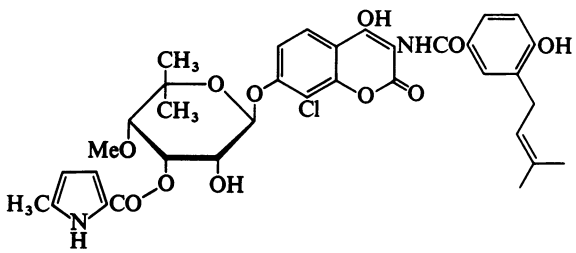
4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid C-00220
γ-Acetyl-2-chloro-γ-phenylbenzenepentanoic acid, 9CI.
Caprochlorone
[13878-16-5]



$C_{19}H_{19}ClO_3$ M 330.810
(−)-***form*** [13878-10-9]
Antiviral agent. Cryst. (AcOH aq. or heptane). Mp 110-111°. $[\alpha]_D^{25}$ −143.1° (EtOH aq.).
(±)-***form***
Cryst. (AcOH aq. and MeCN). Mp 132-134°.
Nitrile:
$C_{19}H_{18}ClNO$ M 311.810
Cryst. (2-propanol). Mp 106-108°.

Cragoe, E.J. *et al*, *J. Org. Chem.*, 1957, **22**, 1338 (*synth*)
Liu, O.C. *et al*, *J. Immunol.*, 1957, **78**, 214, 222 (*pharmacol*)
Stanfield, F.J. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1967, **125**, 297 (*pharmacol*)

Chlorobiocin C-00221
Clorobiocin. Antibiotic RP 18631. Antibiotic 2562A. RP 18631
[39868-96-7]



$C_{35}H_{37}ClN_2O_{11}$ M 697.137
Coumermycin-type antibiotic. Prod. by *Streptomyces hygroscopicus, S. roseochromogenus* var. *oscitans, S. albocinerescens* and *S. griseovariabilis*. Active against gram-positive and -negative bacteria. Mp 204-206°. $[\alpha]_D^{20}$ −68° (c, 1.0 in EtOH).
▷UX9377000.

5-De-Me: [75207-21-5]. ***Antibiotic 2562B***.
$C_{34}H_{35}ClN_2O_{11}$ M 683.110
From *S. griseovariabilis*. Active against gram-negative organisms. Mp 218-220°. $[\alpha]_D^{18}$ −7.1° (c, 0.7 in EtOH).

Ninet, L. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1972, **275**, 455 (*isol*)
Dolak, J., *J. Antibiot.*, 1973, **26**, 121 (*struct*)
Berger, J. *et al*, *J. Chromatogr. Libr.*, 1978, 15 (*rev*)
Gauze, G.F. *et al*, *Antibiotiki (Moscow)*, 1979, **24**, 643 (*deriv*)
Lysenkova, L.N. *et al*, *Antibiotiki (Moscow)*, 1980, **25**, 483
Sebek, O.K. *et al*, *J. Antibiot.*, 1984, **37**, 136.

13-Chloro-*N*-(2-chloroethyl)-10-oxo-5,6-dithia-2,9,11-triazatridecanamide C-00222

$ClCH_2CH_2NHCONHCH_2CH_2SSCH_2CH_2NHCONHCH_2CH_2Cl$

$C_{10}H_{20}Cl_2N_4O_2S_2$ M 363.320

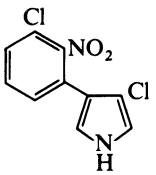
N,N-*Dinitroso:* [82599-22-2]. ***Ditiomustine, INN***. *13-Chloro-N-(2-chloroethyl)-N,11(or 2,9)-dinitroso-10-oxo-5,6-dithia-2,9,11-triazatridecanamide, 9CI. CNCC. 1604 RB.*
$C_{10}H_{18}Cl_2N_6O_4S_2$ M 421.316
Antineoplastic agent. Yellow cryst. (Et_2O/EtOAc). Mp 83-84°. Mixt. of 3 isomers.

Fr. Pat., 2 528 042, (*1983*); *CA*, **100**, 209161f (*synth, deriv, pharmacol*)
Blazsek, I. *et al*, *Toxicol. Appl. Pharmacol.*, 1984, **74**, 250 (*pharmacol*)

3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, 9CI C-00223

Pyrrolnitrin, USAN, INN. *Icar. Micutrin. Pyro-Ace. Rugosin* H. *A 10338. FR 005759. Lilly 52230. NSC 107654. Antibiotic A 10338*

[1018-71-9]



$C_{10}H_6Cl_2N_2O_2$ M 257.076
Pyrrole antibiotic. Produced by *Pseudomonas pyrrocinia, P. aureofaciens, P. fluorescens*, other *P* spp. and *Myxococcus fulvus*. Antifungal agent. Pale-yellow cryst. (C_6H_6). Mp 125°. Dec. on exp. to air and light.

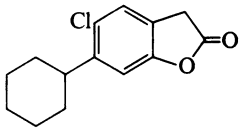
▷UX9450000.

Arima, K. *et al*, *Agric. Biol. Chem.*, 1964, **28**, 575 (*isol, ir, nmr*)
Imanaka, H. *et al*, *J. Antibiot., Ser. A*, 1965, **18**, 207 (*struct, ir, uv, nmr*)
Morimoto, Y. *et al*, *Tetrahedron Lett.*, 1968, 209 (*cryst struct*)
Kumada, S. *et al*, *CA*, 1969, **70**, 36371 (*pharmacol*)
Umio, S. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 559 (*synth, ir, uv, nmr*)
Gosteli, J., *Helv. Chim. Acta*, 1972, **55**, 451 (*synth, ir, uv, nmr*)
Martin, L.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 8942 (*cmr*)
Salcher, O. *et al*, *Tetrahedron Lett.*, 1978, 3097 (*isol*)
Howell, C.R. *et al*, *Phytochemistry*, 1979, **69**, 480 (*isol*)
Chang, C.J. *et al*, *J. Antibiot.*, 1981, **34**, 555 (*biosynth*)
Gerth, K. *et al*, *J. Antibiot.*, 1982, **35**, 1101 (*isol, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3002.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 690.

5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, 9CI C-00224

Clofurac, INN

[60986-89-2]



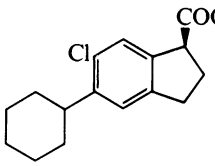
$C_{14}H_{15}ClO_2$ M 250.724
Analgesic, antipyretic, antiinflammatory agent. Cryst. (Et_2O/hexane). Mp 100-102°.

Ger. Pat., 2 608 697, (*1976*); *CA*, **85**, 192536d (*synth, pharmacol*)
Closse, A. *et al*, *J. Med. Chem.*, 1981, **24**, 1465 (*synth, pharmacol*)

6-Chloro-5-cyclohexyl-1-indanecarboxylic acid C-00225

6-Chloro-5-cyclohexyl-2,3-dihydro-1H-indene-1-carboxylic acid, 9CI. ***Clidanac, INN, JAN***. *Britai. Indanal. TAI 284*

[34148-01-1]



(*S*)-*form*
Absolute configuration

$C_{16}H_{19}ClO_2$ M 278.778
▷NK4503000.

(***S*)-form** [28968-09-4]
The more pharmacol. active enantiomer. Cryst. Mp 130-135°. $[\alpha]_D^{25}$ +28.1° (c, 1 in MeOH).

▷NK4505000.

(±)-***form*** [28968-07-2]
Antiinflammatory agent, analgesic, antipyretic. Needles. Sl. sol. H_2O. Mp 151-152°. pK_a ca. 4.35.

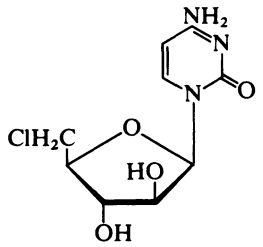
▷NK4510000.

Allen, G.R. *et al*, *J. Med. Chem.*, 1972, **15**, 934 (*synth, pharmacol*)
Juby, P.F. *et al*, *J. Med. Chem.*, 1972, **15**, 1297 (*synth, pharmacol*)
Noguchi, S. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 529 (*synth, pmr, resoln, ord*)
Kamiya, K. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 1589 (*cryst struct, abs config*)
Aono, T. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 3198 (*synth, pharmacol*)
Tanayama, S. *et al*, *Xenobiotica*, 1977, **7**, 145 (*metab*)
Anon., *Med. Actual*, 1981, **17**, 317 (*rev*)
Tamara, S. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 29 (*pharmacol*)
Harusawa, S. *et al*, *Synth. Commun.*, 1984, **14**, 1365 (*synth*)
Tamura, Y. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 1097 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12578.

5'-Chloro-5'-deoxyarabinosylcytosine C-00226

4-Amino-1-(5-chloro-5-deoxy-β-D-arabinofuranosyl)-2(1H)-pyrimidinone

[32659-31-7]



$C_9H_{12}ClN_3O_4$ M 261.665

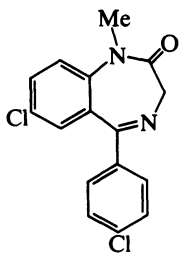
Potent and specific inhibitor of DNA synthesis in tumour cells. Cryst. (H_2O). Mp 206-208.5° (202-204.5°). $[\alpha]_D^{25}$ +163.8° (c, 0.5 in H_2O).

Kikugawa, K. *et al*, *J. Org. Chem.*, 1972, **37**, 284 (*synth, uv*)
Hřebabecký, H. *et al*, *Collect. Czech. Chem. Commun.*, 1980, **45**, 599 (*synth*)
Birnbaum, G.I. *et al*, *Can. J. Chem.*, 1988, **66**, 1203 (*cryst struct, pmr, cmr, bibl*)

4'-Chlorodiazepam C-00227

Ro 5-4864. 7-Chloro-5-(4-chlorophenyl)-1,3-dihydro-1-methyl-2H-1,4-benzodiazepin-2-one, 9CI

[14439-61-3]



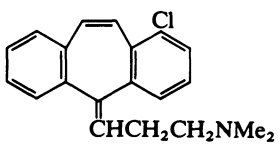
$C_{16}H_{12}Cl_2N_2O$ M 319.190

Benzodiazepine showing anomalous receptor binding. Cryst. (Me_2CO). Mp 154-156°.

U.S.P., 3 402 171, (*1968*); *CA*, **70**, 37850y (*synth*)
Squires, R.F. *et al*, *Nature* (*London*), 1977, **266**, 732 (*pharmacol*)
Skerritt, J.H. *et al*, *Brain Res.*, 1984, **310**, 99 (*pharmacol*)
Hempel, A. *et al*, *Can. J. Chem.*, 1987, **65**, 1608 (*cryst struct, bibl*)

3-(1-Chloro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-*N,N*-dimethyl-1-propanamine, 9CI C-00228

[54951-46-1]



$C_{20}H_{20}ClN$ M 309.838

Obt. as a mixt. of E- & Z-isomers.

B,HCl: [58084-74-5]. Mp 193-194°.

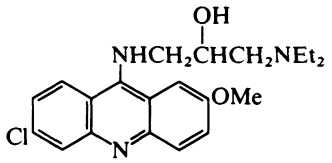
N-*Oxide:* [52758-02-8]. ***Benzaprinoxide, INN***. *3-(1-Chloro-5H-dibenzo*[a,d]*cyclohepten-5-ylidene)*-N,N-*dimethyl-1-propanamine* N-*oxide*, 9CI. *Ro 8-0254.*
$C_{20}H_{20}ClNO$ M 325.837
Antidepressant. Cryst. (Et_2O/MeOH) (as hydrochloride). Mp 172-174° (hydrochloride).

Luellmann-Rauch, R., *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1974, **286**, 165 (*pharmacol*)
Swiss Pat., 547 770, (*1974*); *CA*, **81**, 25469v (*deriv, synth, pharmacol*)
U.S.P., 3 917 669, (*1975*); *CA*, **84**, 59058n (*synth*)
Haefelfinger, P., *J. Chromatogr. Sci.*, 1979, **17**, 345 (*hplc*)

6-Chloro-9-[[3-(diethylamino)-2-hydroxypropyl]amino]-2-methoxyacridine C-00229

1-[(6-Chloro-2-methoxy-9-acridinyl)amino]-3-(diethylamino)-2-propanol, 9CI

[522-20-3]



$C_{21}H_{26}ClN_3O_2$ M 387.908

(±)-*form*

Antiprotozoal agent. Yellow cryst. Mp 105-107°.

B,2HCl: [1684-42-0]. *Acranil. Sostol. SKF 16214-A2. SN 186.* Yellow cryst. Mp 237-239° dec.

▷UA9120000.

Magidson, O.J. *et al*, *Ber.*, 1936, **69**, 396 (*synth*)
Glaz, E. *et al*, *Antimicrob. Agents Chemother.*, 1973, **3**, 537 (*props*)

2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, 9CI C-00230

2-Chloro-1,1,2-trifluoroethyl difluoromethyl ether, 8CI. ***Enflurane, BAN, USAN, INN***. *Alyrane. Efrane. Ethrane. Etrane. Inhelthran. Airco 347. NSC 115944. Ohio 347*

[13838-16-9]

F_2CHOCF_2CHFCl

$C_3H_2ClF_5O$ M 184.493

▷KN6800000.

(±)-*form*

Anaesthetic (inhalation). Volatile liq. d_{25}^{25} 1.517. Bp 56.5°.

Terrell, R.C. *et al*, *J. Med. Chem.*, 1971, **14**, 517 (*synth, pharmacol*)
Urich, R.W. *et al*, *J. Anal. Toxicol.*, 1977, **1**, 195 (*ms*)
Irestedt, L. *et al*, Eds., *Acta Anaethesiol. Scand.*, 1978, Suppl. 71 (*book*)
Koehler, K.A. *et al*, *J. Magn. Reson.*, 1978, **30**, 75 (*nmr*)
Dobkin, A.B., *Magn. Anaesthesiol.*, 1979, **6**, 155 (*rev, pharmacol*)
Weiss, V., *Med. Hyg.*, 1979, **37**, 3609 (*rev, metab*)
Adams, A.P., *Br. J. Anaesth.*, 1981, **53**, 27 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3106.

2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane, 9CI C-00231

1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether, 8CI. ***Isoflurane, BAN, INN, USAN***. *Aeranne. Forane. Forene. Airco 469*

[26675-46-7]

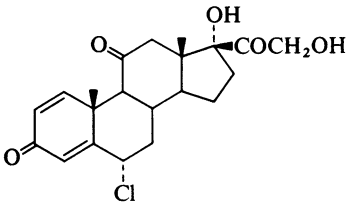
$F_2CHOCHClCF_3$

$C_3H_2ClF_5O$ M 184.493

▷KN6799000.

(±)-form
Inhalatory anaesthetic. Bp 48.5°.
Terrell, R.C. *et al, J. Med. Chem.*, 1971, **14**, 517 (*synth, pharmacol*)
Eger, E.I., *Anesthesiology*, 1981, **55**, 559 (*rev*)
Eger, E.I., *Br. J. Anaesth.*, 1984, **56**, 715 (*rev, pharmacol*)
Terrell, R.C., *Br. J. Anaesth.*, 1984, **56**, 35 (*rev, manuf*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3113.

6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione, 9CI C-00232

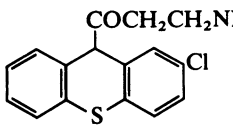


$C_{21}H_{25}ClO_5$ M 392.879

6α-form [52080-57-6]
Chloroprednisone, INN
21-Ac: [14066-79-6]. *Chloroprednisone acetate. Adremycine. Localyn. Topilan.*
$C_{23}H_{27}ClO_6$ M 434.916
Antiinflammatory agent. Glucocorticoid. Mp 217-219°. $[\alpha]_D$ +144° ($CHCl_3$).
Ringold, H.J. *et al, J. Am. Chem. Soc.*, 1958, **80**, 6464 (*synth, pharmacol*)

2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene C-00233

1-(2-Chloro-9H-thioxanthen-9-yl-idene)-3-(dimethylamino)-1-propanone, 9CI. VUFB 12392

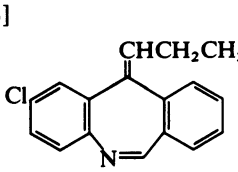


$C_{18}H_{18}ClNOS$ M 331.859

(±)-form [77602-79-0]
Possesses local anaesthetic, spasmolytic and antimicrobial activities. Oil.
B,HBr: [77602-78-9]. Cryst. ($EtOH/Me_2CO/Et_2O$). Mp 192-194°.
Sindelar, K. *et al, Collect. Czech. Chem. Commun.*, 1980, **45**, 3166 (*synth, pharmacol*)
Czech. Pat., 211 104, (*1984*); *CA*, **102**, 6206 (*synth, pharmacol*)

2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b,e*]azepine C-00234

3-(2-Chloro-11H-dibenz[b,e]azepin-11-ylidene)-N,N-dimethyl-1-propanamine, 9CI. 2-Chloro-11-(3-dimethylaminopropylidene)morphanthridine. RMI 81582. EX 11528A
[39051-50-8]



$C_{19}H_{19}ClN_2$ M 310.826
Antihypertensive agent, CNS depressant. Cryst. (pet. ether). Mp 92-93°.
U.S.P., 3 692 906, (*1972*); *CA*, **78**, 16070 (*synth, pharmacol*)

4-Chloro-3,5-dimethylphenol, 9CI C-00235

4-Chloro-3,5-xylenol, 8CI. 2-Chloro-5-hydroxy-m-xylene. ***Chloroxylenol, INN, USAN.*** *Aktinex. Bazyl. Benzytol. Desson. Dettol. Iba-Cide. Metasep. Previnfec. Rocapyol. Roxenol. Tarosept. Willenol* V
[88-04-0]
C_8H_9ClO M 156.612
Bactericide, fungicide. Prisms (C_6H_6). Mp 115-116°.
▷ZE6850000.
Ac:
$C_{10}H_{11}ClO_2$ M 198.649
Mp 48.7°. $Bp_{2.5}$ 102°.
▷Toxic, irritant
Lesser, R. *et al, Ber.*, 1923, **56**, 974 (*synth*)
Klarmann, E. *et al, J. Am. Chem. Soc.*, 1933, **55**, 2576 (*synth*)
Mehsen, J.J., *J. Am. Pharm. Assoc.*, 1952, **41**, 595 (*tox*)
Husain, S. *et al, Indian J. Chem.*, 1968, **6**, 26 (*synth, ir, pmr, uv*)
Nour, M.G. *et al, CA*, 1972, **77**, 143850c (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2228.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 783.

Chloroethane C-00236

Ethyl chloride, USAN. *Other proprietary names*
[75-00-3]

H_3CCH_2Cl

C_2H_5Cl M 64.515
Used in manuf. of $PbEt_4$ and ethylcellulose. Aerosol refrigerant. Topical anaesthetic. Liq. or gas at r.t. Spar. sol. H_2O. d^6_6 0.917. Fp −142.5°. Bp 12.5° (13.1°).
▷Mild irritant. Mod. toxic vapour, TLV 2,600. Extremely flammable, flash p. −50°. KH7525000.
Groves, C.E., *Justus Liebigs Ann. Chem.*, 1874, **174**, 372.
Krüger, F., *J. Prakt. Chem.*, 1876, **14**, 195.
Norris, J.F. *et al, J. Am. Chem. Soc.*, 1924, **46**, 753 (*synth*)
U.S.P., 1 920 846 and 1 920 246, (*1933*); *CA*, **27**, 4818 (*synth*)
Morris, T.E. *et al, Kirk-Othmer Encycl. Chem. Technol, 3rd Ed.*, 1979, **5**, 714 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3108.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 53.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 1026.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 244.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1328.

N-(2-Chloroethyl)-*N'*-(2-hydroxyethyl)-*N*-nitrosourea, 9CI C-00237

Elmustine, INN. *CNU-ethanol. NSC 29485*
[60784-46-5]

$HOCH_2CH_2NHCON(NO)CH_2CH_2Cl$

$C_5H_{10}ClN_3O_3$ M 195.605
Antineoplastic agent. Sol. H_2O. Mp 56°.
▷Low toxicity compared with BCNU. YS4986000.
N'-Me: [70189-79-6].
$C_6H_{12}ClN_3O_3$ M 209.632

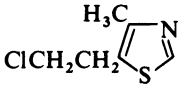
Possesses antitumour props. Yellow oil.

Fiebig, H.H. *et al*, *Eur. J. Cancer*, 1977, **13**, 937 (*pharmacol*)
Eisenbrand, G. *et al*, *Dev. Toxicol. Environ. Sci.*, 1980, **8**, 273 (*pharmacol, tox*)
Lown, J.W. *et al*, *J. Org. Chem.*, 1981, **46**, 5309 (*synth, nmr*)
Tsujihara, K. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 2509 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19128.

5-(2-Chloroethyl)-4-methylthiazole, 9CI, 8CI C-00238

Chlormethiazole, BAN. ***Clomethiazole, INN, USAN.*** *Heminevrin. Hemithiamine. Other proprietary names*

[533-45-9]



C_6H_8ClNS M 161.649

Sedative, hypnotic, anticonvulsant. Oily, viscous liq. d_4^{25} 1.233. Bp_7 92°.

▷XJ3850000.

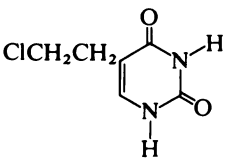
Ethanedisulphonate salt (2:1): [1867-58-9]. *Distaneurin.* Cryst. (MeOH/Et_2O). Mp 124°.

Buchman, E.R., *J. Am. Chem. Soc.*, 1936, **58**, 1803 (*synth*)
Sawa, Y. *et al*, *J. Pharm. Soc. Jpn.*, 1956, **76**, 337 (*synth*)
B.P., 847 520, (*1960*); *CA*, **55**, 16568 (*salts*)
Boismare, F. *et al*, *Therapie*, 1967, **22**, 1317 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*uv*)
Seow, L.T. *et al*, *Eur. J. Clin. Pharmacol.*, 1981, **19**, 263 (*pharmacol*)
Offen, C.P. *et al*, *Xenobiotica*, 1985, **15**, 503 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 443 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4024, 18200.

5-(2-Chloroethyl)uracil C-00239

5-(2-Chloroethyl)-2,4(1H,3H)pyrimidinedione, 9CI

[90301-68-1]



$C_6H_7ClN_2O_2$ M 174.587

Cryst. (EtOH aq.). Mp 258-260°.

1-(2-Deoxy-β-D-ribofuranosyl): [90301-59-0]. *5-(2-Chloroethyl)-2'-deoxyuridine, 9CI.*

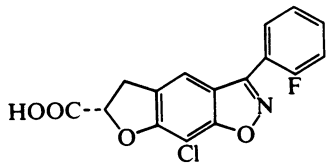
$C_{11}H_{15}ClN_2O_5$ M 290.703

Potent antiviral agent. Mp 166-167°.

Griengl, H. *et al*, *J. Med. Chem.*, 1985, **28**, 1679 (*synth*)
Griengl, H. *et al*, *Chem. Scr.*, 1986, **26**, 67.
Streicher, W. *et al*, *Chem. Scr.*, 1986, **26**, 179 (*synth*)

8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid, 9CI C-00240

Abbott 53385



(*R*)-*form*

$C_{16}H_9ClFNO_4$ M 333.703

(R)-form [90247-29-3]

Mp 168-170°. $[\alpha]_D^{25}$ −28° (c, 1.5 in EtOAc).

(S)-form [90247-30-6]

More potent stereoisomer. Mp 169-171°. $[\alpha]_D^{25}$ +25° (c, 1.5 in EtOAc).

(±)-form [90247-08-8]

Diuretic. Cryst. (hexane). Mp 197.5-199°.

Bunnell, P.R. *et al*, *Diuretics: Chem., Pharmacol., Clin. Appl., Proc. Int. Conf. Diuretics, 1st*, 1984 (*Eds. Puschett, J.B. et al*, 374 (*rev*)
Plattner, J.J. *et al*, *J. Med. Chem.*, 1984, **27**, 1016 (*synth, pharmacol*)
Mannhold, R., *Drugs Future*, 1985, **10**, 363 (*rev*)
Thomas, E.W., *J. Liq. Chromatogr.*, 1986, **9**, 1479 (*hplc*)
Lukeman, D.S. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **241**, 950 (*pharmacol*)

Chloroform C-00241

Trichloromethane, 9CI

[67-66-3]

$CHCl_3$

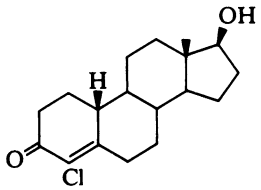
$CHCl_3$ M 119.378

Manuf. by direct chlorination of CH_4 or by reacn. of EtOH or Me_2CO with Cl_2 + NaOH. Solvent, intermediate for manuf. of $CHClF_2$, plastics intermediate. U.S. prodn. 136 000 t/a in 1976. Formerly used as anaesthetic. Liq. Spar. sol. H_2O. d_4^{25} 1.481. Mp −63.2°. Bp 61.3°. n_D^{20} 1.4467. Nonflammable. Slowly dec. in air and light forming *inter alia* $COCl_2$ (toxic). Forms hydrate with $18H_2O$, dec. at 1.6°. Forms azeotrope contg. 2.5% H_2O, Bp 56°.

▷Toxic vapour, TLV 120, eye irritant, suspected carcinogen. Vigorous reaction with Me_2CO and base, explosive reaction with some materials. FS9100000.

Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 130; **8**, 92.
Dykes, M.H.M., *Int. Anesthesiol. Clin.*, 1970, **8**, 357 (*rev, pharmacol*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1979, 693 (*bibl*)
Davidson, I.W.F. *et al*, *Drug Chem. Toxicol.*, 1982, **5**, 87 (*rev, metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3104.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 288.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 493.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 245.

4-Chloro-17-hydroxyestr-4-en-3-one, 9CI C-00242



$C_{18}H_{25}ClO_2$ M 308.847

17β-form [13583-21-6]

Norclostebol, INN. *Lentabol. SKF 6611. CP-73*

Anabolic agent. Mp 188-190° dec.

17-Ac: [1164-99-4]. *17-(Acetyloxy)-4-chloroestr-4-en-3-one, 9CI. Anabol 4-19.*

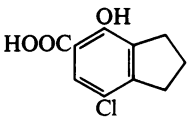
$C_{20}H_{27}ClO_3$ M 350.885

B.P., 855 800, (*1957*); *CA*, **56**, 8806i (*synth, pharmacol*)
Neeman, M. *et al*, *Can. J. Chem.*, 1974, **52**, 2941 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13030.

7-Chloro-4-hydroxy-5-indanecarboxylic acid, 8CI C-00243

2,3-Dihydro-7-chloro-4-hydroxy-1H-indene-5-carboxylic acid. ***Clorindanic acid, INN.*** *Win 19356*

[153-43-5]



$C_{10}H_9ClO_3$ M 212.632

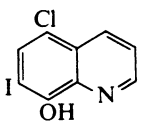
Choleretic agent, respiratory stimulant. Mp 277-279°.

Belg. Pat., 619 568, (*1962*); *CA*, **59**, 9932d (*synth, pharmacol*)
Marshall, F.N. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **165**, 405 (*pharmacol, tox*)

5-Chloro-8-hydroxy-7-iodoquinoline C-00244

5-Chloro-7-iodo-8-quinolinol, 9CI, 8CI. ***Clioquinol, BAN, INN.*** *Barquinol. Chinoform. Quin-o-creme. Vioformo. Iodochlorhydroxyquin. Numerous proprietary names*

[130-26-7]



C_9H_5ClINO M 305.502

Antiinfective, antiamoebic. Brownish-yellow powder, darkens when exp. to light. Spar. sol. Et_2O. Dec. at ca. 178-179°. Constit. of Enterovioform. Can cause nerve damage.

▷VC5075000.

Das, A. *et al*, *J. Org. Chem.*, 1957, **22**, 1111 (*synth*)
Kashino, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 1094 (*cryst struct*)
Stelzl, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1470 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1974, **29**, 733 (*uv*)
Urakubo, G. *et al*, *Radioisotopes*, 1975, **24**, 500 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1071 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4770.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 725.

3-Chloro-6-hydroxy-4-methylbenzoic acid, 9CI C-00245

5-Chloro-2,4-cresotic acid, 8CI. 3-Chloro-6-hydroxy-p-toluic acid

[35458-35-6]

$C_8H_7ClO_3$ M 186.595

Powerful antiseptic. Needles (H_2O), prisms (EtOH). Mp 210-212° (206-207°).

Me ester:
$C_9H_9ClO_3$ M 200.621
Leaflets. Mp 55°.

Ac:
$C_{10}H_9ClO_4$ M 228.632
Needles ($CHCl_3$). Mp 146°.

Chloride:
$C_8H_6Cl_2O_2$ M 205.040
Needles (pet. ether). Mp 48°.

Amide:
$C_8H_8ClNO_2$ M 185.610
Mp 239-240°.

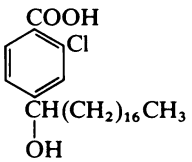
Me ether: 3-Chloro-6-methoxy-4-methylbenzoic acid.
$C_9H_9ClO_3$ M 200.621
Prisms (EtOH). Mp 130°.

Gattermann, L., *Ber.*, 1893, **26**, 1851 (*synth*)
U.S.P., 1 144 270, (*1915*); *CA*, **9**, 2291 (*synth*)
Walther, R.F. *et al*, *J. Prakt. Chem.*, 1915, **91**, 380 (*synth*)
Bhati, A., *J. Chem. Soc.*, 1963, 730 (*synth*)

2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, 9CI C-00246

Declaben, USAN. *Lodelaben, INN. SC 39026*

[93105-81-8]



$C_{25}H_{41}ClO_3$ M 425.050

(±)-*form* [111149-90-7]

Antiarthritic agent; adjunct to emphysema therapy. Neutrophil elastase inhibitor. Cryst. (MeOH/hexane). Mp 93-96°.

U.S.P., 4 469 885, (*1984*); *CA*, **101**, 210751 (*synth*)
Ilkiw, R. *et al*, *Fed. Proceed.*, 1987, **46**, 730 (*pharmacol*)
Nakao, A. *et al*, *Biochem. Biophys. Res. Commun.*, 1987, **147**, 666 (*props*)

Chloro(2-hydroxyphenyl)mercury, 9CI C-00247

2-Hydroxyphenylmercury chloride. 2-Chloromercuriphenol. ***Mercufenol chloride, USAN.*** *Salicresin. Myringacaine. Mercabolide. U 7743. NP 27*

[90-03-9]



C_6H_5ClHgO M 329.148

Antiseptic, bactericide, antifungal agent. Cryst. (H_2O). Mp 152.5°.

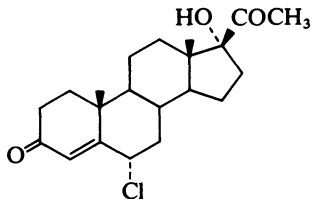
▷Highly toxic. OW0350000.

Org. Synth., Coll. Vol., **1**, 161 (*synth*)
Woodbine, M., *J. Pharm. Pharmacol.*, 1950, **2**, 376 (*use*)
Bryant, W.F. *et al*, *J. Organomet. Chem.*, 1970, **24**, 573 (*ms*)
Wilson, N.K. *et al*, *J. Magn. Reson.*, 1971, **21**, 437 (*cmr*)

Yadav, P.L., *Indian J. Chem.*, 1975, **13**, 1095 (*synth*)
Yadav, P.L. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 2594 (*uv*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 737.

6-Chloro-17-hydroxypregn-4-ene-3,20-dione, 9CI C-00248

6-Chloro-17-hydroxyprogesterone



$C_{21}H_{29}ClO_3$ M 364.911

6α-form [16469-74-2]
Hydromadinone, INN
Progestin.
Ac: [2477-73-8]. *CAP.*
$C_{23}H_{31}ClO_4$ M 406.949
Progestin. Mp 203-205°. $[\alpha]_D$ −77° ($CHCl_3$).
Ger. Pat., 1 243 682, (*1967*); *CA*, **67**, 100343r (*synth, pharmacol*)

5-Chloro-8-hydroxyquinoline C-00249

5-Chloro-8-quinolinol, 9CI. ***Cloxyquin, USAN.*** *Cloxiquine, INN. Anamebil. Atletol. Chlorisept. Dermofongin A*

[130-16-5]
C_9H_6ClNO M 179.606
Bactericide. Topical antifungal agent. Mp 129-130° (122-123°).
▷VC4590000.
B,HCl: [25395-13-5]. Yellow cryst. Mp 256-258°.
1-Oxide: [21168-34-3].
$C_9H_6ClNO_2$ M 195.605
Cryst. (ligroin). Mp 169-170°.
Ac: [10173-02-1]. *Silital. S 604.*
$C_{11}H_8ClNO_2$ M 221.643
Antibacterial, antidiarrhoeal, antifungal agent. Cryst. (C_6H_6). Mp 83°.
Das Gupta, S.J., *J. Indian Chem. Soc.*, 1952, **29**, 711 (*synth*)
B.P., 791 409, (*1958*); *CA*, **52**, 12931 (*acetate*)
Vogt, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1958, **291**, 168 (*acetate*)
Sukhina, L.F. *et al*, *Zh. Obshch. Khim.*, 1962, **32**, 1356.
Ritter, P. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1647 (*metab, acetate*)
Naga, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 863 (*ms*)
Sawada, Y. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1357 (*metab*)
Zuev, A.P. *et al*, *Khim.-Farm. Zh.*, 1980, **14**, 128 (*synth*)
Kidric, J. *et al*, *Org. Magn. Reson.*, 1981, **15**, 280 (*pmr, cmr*)
Banerjee, T. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1408 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15330.

7-Chloro-8-hydroxyquinoline C-00250

7-Chloro-8-quinolinol, 9CI

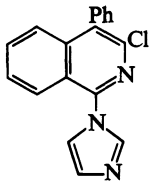
[876-86-8]
C_9H_6ClNO M 179.606
Mp 146° subl.
Mixt. with 5,7-dichloro-8-quinolinol and 5-chloro-8-quinolinol: see 5-Chloro-8-hydroxyquinoline, C-00249

Claus, A. *et al*, *J. Prakt. Chem.*, 1896, **54**, 388.
Bücchi, J. *et al*, *Acta Pharm. Int.*, 1951, **2**, 149 (*synth*)
Palomo, A.L. *et al*, *Afinidad*, 1951, **28**, 101; *CA*, **47**, 4339.

3-Chloro-1-(1*H*-imidazol-1-yl)-4-phenylisoquinoline, 9CI C-00251

Climiqualine, INN

[55150-67-9]

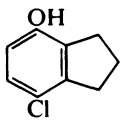


$C_{18}H_{12}ClN_3$ M 305.766
Hypolipidaemic agent.
B,HCl: Cryst. (MeOH). Mp 276-278°.
Ger. Pat., 2 314 985, (*1974*); *CA*, **82**, 16836f (*synth, pharmacol*)

7-Chloro-4-indanol, 8CI C-00252

7-Chloro-2,3-dihydro-1H-inden-4-ol, 9CI. 7-Chloro-4-hydroxyindane. ***Chlorindanol, USAN, INN.*** *NSC 158565*

[145-94-8]

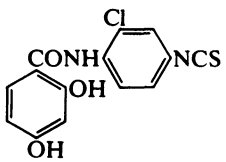


C_9H_9ClO M 168.623
Spermicide, bactericide, fungicide. Needles (pet. ether). Mp 91-93°. Ingredient of Lanesta.
▷NK7533200.
Buck, J.S. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3559 (*synth*)
Bailey, J.H. *et al*, *J. Am. Pharm. Assoc.*, 1959, **48**, 212 (*pharmacol*)

N-(2-Chloro-4-isothiocyanatophenyl)-2,4-dihydroxybenzamide, 9CI C-00253

SRC 4402

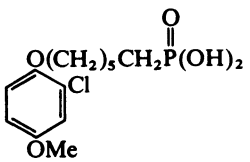
[78154-22-0]



$C_{14}H_9ClN_2O_3S$ M 320.750
Cestocide.
Indian Pat., 148 018, (*1980*); *CA*, **95**, 61806 (*synth*)
Avsatthi, B.L. *et al*, *Indian J. Poult. Sci.*, 1981, **16**, 76; *CA*, **95**, 73237d (*props*)

[6-(2-Chloro-4-methoxyphenoxy)hexyl]-phosphonic acid, 9CI C-00254

[89210-93-5]



$C_{13}H_{20}ClO_5P$ M 322.725

Cryst. (EtOAc/pentane). Mp 102-104°.

Di-Et ester: [73514-87-1]. ***Fosarilate, USAN.*** *Win 42202.*
$C_{17}H_{28}ClO_5P$ M 378.832
Antiviral agent. $Bp_{0.005}$ 195-197°.

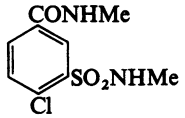
Dibutyl ester: [73514-88-2].
$C_{21}H_{36}ClO_5P$ M 434.939
$Bp_{0.005}$ 220-224°.

Diana, G.D. *et al, J. Med. Chem.*, 1984, **27**, 691 (*synth, pharmacol*)

4-Chloro-*N*-methyl-3-[(methylamino)-sulfonyl]benzamide, 9CI C-00255

*4-Chloro-*N*-methyl-3-(methylsulfamoyl)benzamide, 8CI.* ***Diapamide, USAN.*** *Tiamizide, INN. Thiamizide. Vectren (obsol.). CI 456. CN 36337. D 1593*

[3688-85-5]



$C_9H_{11}ClN_2O_3S$ M 262.711
Diuretic, antihypertensive agent. Cryst. (AcOH aq.). Mp 165-166°.

▷CV2450000.

Brouin, L.T. *et al, J. New Drugs*, 1963, **3**, 302 (*pharmacol*)
U.S.P., 3 203 987, (*1965*); *CA*, **63**, 14773f (*synth*)
Coodley, E.L. *et al, J. Clin. Pharmacol.*, 1979, **19**, 127 (*pharmacol*)

4-Chloro-3-methylphenol, 9CI C-00256

*4-Chloro-*m*-cresol, 8CI.* ***Chlorocresol*** *USAN, INN. Aptal. Baktolan. Candaseptic. Parmetol. Peritonan. Perol. Raschit (K)*

[59-50-7]

C_7H_7ClO M 142.585
Dimorphic. Antiseptic, disinfectant. Cryst. (pet. ether). Mp 55.5°, Mp 66°. Bp 235°.

▷Toxic, allergen. GO7100000.

Me ether: [13334-71-9]. *1-Chloro-4-methoxy-2-methylbenzene. 2-Chloro-5-methoxytoluene.*
C_8H_9ClO M 156.612
Liq. Bp 213-214°, $Bp_{0.05}$ 60-62°.

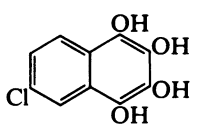
Ac:
$C_9H_9ClO_2$ M 184.622
Liq. Bp 241-243°.

Benzoyl: Cryst. (EtOH). Mp 86°.

Sah, P.P.T., *J. Am. Chem. Soc.*, 1941, **63**, 3164 (*synth*)
Bhati, A., *J. Chem. Soc.*, 1963, 730 (*synth*)
Kariyone, K. *et al, Tetrahedron Lett.*, 1970, 2885 (*synth*)
Schroetter, E. *et al, Pharmazie*, 1974, **29**, 374 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2226.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 691.

6-Chloro-1,2,3,4-naphthalenetetrol C-00257

6-Chloro-1,2,3,4-tetrahydroxynaphthalene



$C_{10}H_7ClO_4$ M 226.616

2,3-Di-Me ether, 1,4-di-Ac: [91431-42-4]. ***Lonapalene, INN, USAN.*** *RS 43179. 6-Chloro-2,3-dimethoxy-1,4-naphthalenediol diacetate, 9CI.*
$C_{16}H_{15}ClO_6$ M 338.744
Antipsoriatic drug. Selective 5-lipoxygenase inhibitor. Cryst. (Et_2O/hexane). Mp 91-92°.

Flynn, D.L. *et al, Tetrahedron Lett.*, 1986, **27**, 5075 (*synth*)
Jones, G.H. *et al, J. Med. Chem.*, 1986, **29**, 1504 (*synth, pharmacol*)
Berry, P.W. *et al, Proc. West. Pharmacol. Soc.*, 1987, **30**, 137 (*metab*)
Perri, S.T. *et al, Tetrahedron Lett.*, 1987, **28**, 4507 (*synth*)

2-Chloro-4-nitrobenzoic acid, 9CI, 8CI C-00258

[99-60-5]

$C_7H_4ClNO_4$ M 201.566
Cryst. (H_2O). Mp 142-143°.

▷DG5425000.

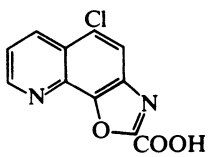
Me ester:
$C_8H_6ClNO_4$ M 215.593
Cryst. Mp 73-75°.

Chloride:
$C_7H_3Cl_2NO_3$ M 220.012
Cryst. Mp 115°.

Amide: [3011-89-0]. ***Aklomide, BAN, USAN, INN.*** *Novastat. Aklomix.*
$C_7H_5ClN_2O_3$ M 200.581
Veterinary coccidiostat. Cryst. (EtOH). Mp 172°.

Julia, M. *et al, Bull. Soc. Chim. Fr.*, 1952, 546 (*synth*)
Cosulich, D.B. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4675 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 495.

5-Chlorooxazalo[4,5-*h*]quinoline-2-carboxylic acid, 9CI C-00259



$C_{11}H_5ClN_2O_3$ M 248.625

Na salt: [88362-77-0]. Mp 200° dec.

Me ester: [86048-40-0]. ***Quazolast, USAN, INN.*** *RHC 3988.*
$C_{12}H_7ClN_2O_3$ M 262.652
Antiasthmatic (mediator release inhibitor). Cryst. Mp 217-218°.

Musser, J.H. *et al, J. Med. Chem.*, 1985, **28**, 1255 (*synth, pharmacol*)

4-Chlorophenol, 9CI C-00260

Parachlorophenol, USAN

[106-48-9]

C_6H_5ClO M 128.558
Topical antibacterial agent. Mp 37°. Bp_{25} 113.6°.

▷Irritant, causes burns. SK2800000.

Ac: [876-27-7].
$C_8H_7ClO_2$ M 170.595
Liq. Mp 7-8°. Bp 226-228°.

▷AG0875000.

Benzoyl:
$C_{13}H_9ClO_2$ M 232.666
Leaflets. Mp 88°.

Me ether: [623-12-1]. *1-Chloro-4-methoxybenzene. 4-Chloroanisole.*
C_7H_7ClO M 142.585

Liq. Bp_9 71.5°. n_D^{20} 1.5351.

Et ether: [622-61-7]. *1-Chloro-4-ethoxybenzene, 9CI. 4-Chlorophenetole.*

C_8H_9ClO M 156.612

Cryst. Mp 21°. $Bp_{11.2}$ 87.5°.

Ph ether:

$C_{12}H_9ClO$ M 204.656

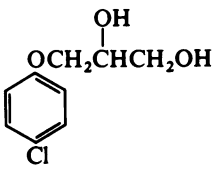
$Bp_{0.25}$ 87-90°.

Holleman, M.A.F. *et al, Recl. Trav. Chim. Pays-Bas*, 1911, **30**, 48 (*synth*)
U.S.P., 2 725 402, (*1955*); *CA*, 2911 (*synth*)
Dearden, J.C., *Can. J. Chem.*, 1957, **37**, 1294, 1305 (*uv*)
Kosower, E.M., *J. Org. Chem.*, 1963, **28**, 630.
Šlosar, J. *et al, Chem. Prum.*, 1965, **15**, 206; *CA*, **63**, 4195 (*synth*)
Perrin, M., *Acta Crystallogr., Sect. B*, 1973, **29**, 253, 258.
Olah, G.A. *et al, Synthesis*, 1986, 868 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2265.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 750.

3-(4-Chlorophenoxy)-1,2-propanediol, 9CI C-00261

Chlorphenesin, BAN, INN. *Adermykon. Demykon. Fungimixin. Gecophen. Kolpicortin-sine. Mycil. Nycil. Soorphenesin*

[104-29-0]



$C_9H_{11}ClO_3$ M 202.637

▷TY4260000.

(±)-form

Fungicide. Mp 77-79°.

1-Carbamate: [886-74-8]. ***Chlorphenesin carbamate, USAN.*** *Maolate. Rinlaxer. U 19646.*

$C_{10}H_{12}ClNO_4$ M 245.662

Skeletal muscle relaxant. Cryst. (C_6H_6/toluene). Insol. H_2O, C_6H_6, cyclohexane, sol. dioxan. Mp 89-91°.

▷EZ2975000.

B.P., 628 497, (*1949*); *CA*, **44**, 3023 (*synth*)
B.P., 943 666, (*1963*); *CA*, **60**, 10598 (*deriv*)
Matthews, R.J. *et al, Arch. Int. Pharmacodyn.*, 1963, **143**, 574 (*deriv*)
Thomas, R.C. *et al, J. Pharm. Sci.*, 1967, **56**, 507 (*deriv*)
Kuhnert-Brandstaetter, M. *et al, Microchem. J.*, 1972, **17**, 639 (*props, uv*)
Fukuda, H. *et al, Nippon Yakurigaku Zasshi*, 1974, **70**, 341 (*pharmacol*)
Rouse, D.J. *et al, Biomed. Mass Spectrom.*, 1974, **1**, 256 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2570, 5705.

N-(4-Chlorophenyl)-*N'*-(3,4-dichlorophenyl)urea, 9CI C-00262

3,4,4'-Trichlorocarbanilide, 8CI. ***Triclocarban, USAN, INN.*** *TCC. NSC 72005. Other proprietary names*

[101-20-2]



$C_{13}H_9Cl_3N_2O$ M 315.586

Disinfectant, component of antiseptic soaps. Fine plates. Mp 255.2-256°.

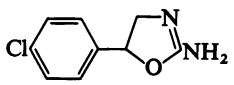
▷FE1250000.

Beaver, D.J. *et al, J. Am. Chem. Soc.*, 1957, **79**, 1236 (*synth, use*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Birch, C.G. *et al, Drug. Metab. Dispos.*, 1978, **6**, 38, 169 (*metab*)
Hiles, R.A. *et al, Toxicol. Appl. Pharmacol.*, 1978, **46**, 323.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2639 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2286.

5-(4-Chlorophenyl)-4,5-dihydro-2-oxazolamine, 9CI C-00263

2-Amino-5-(p-chlorophenyl)-2-oxazoline, 8CI. ***Clominorex, USAN, INN.*** *McN 1107*

[3876-10-6]



$C_9H_9ClN_2O$ M 196.636

(±)-form

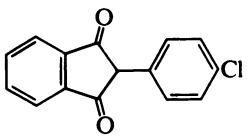
Anorexic drug. Cryst. (C_6H_6). Mp 118-119°.

Poos, G.I. *et al, J. Med. Chem.*, 1963, **6**, 266 (*synth, pharmacol*)

2-(4-Chlorophenyl)-1,3-indandione, 8CI C-00264

2-(4-Chlorophenyl)-1H-indene-1,3(2H)-dione, 9CI. ***Clorindione, BPC, INN.*** *Chlophenadione. Chlorathrombon. Chlorphenindione. Indaliton. Klorindion. Cl-PID. G 25766. MG 2552*

[1146-99-2]



$C_{15}H_9ClO_2$ M 256.688

Anticoagulant. Dark-red needles (EtOH), pale-yellow needles (AcOH aq.). Mp 145-146° (142-144°).

▷NK5250000.

Cavallini, G. *et al, Farmaco, Ed. Sci.*, 1955, **10**, 710.
Krey, H.G., *Pharmazie*, 1958, **13**, 619 (*synth, props*)
Shapiro, S.L. *et al, J. Org. Chem.*, 1960, **25**, 1860 (*synth, uv*)
Lombardino, J.G. *et al, J. Med. Chem.*, 1968, **11**, 342 (*pharmacol*)
Murthy, A.R. *et al, J. Med. Chem.*, 1985, **28**, 1591 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4807.

Chlorophenylmercury, 9CI C-00265

Phenylmercury chloride. Chloromercuribenzene

[100-56-1]

PhHgCl

C_6H_5ClHg M 313.149

Bactericide. Plates (C_6H_6). Spar. sol. EtOH, C_6H_6, insol. H_2O. Mp 258° (251°). Sublimes.

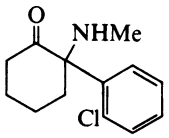
▷Highly toxic orally. OW1400000.

Nesmeyanov, A.N., *Ber.*, 1929, **62**, 1010 (*synth*)
Kobe, K.A. *et al, Ind. Eng. Chem.*, 1942, **34**, 309 (*manuf, bibl*)
Pakhomov, V.I., *J. Struct. Chem.* (*Engl. Transl.*), 1963, **4**, 540 (*cryst struct*)

Ol'dekop, Yu.A. *et al*, *J. Gen. Chem. USSR* (*Engl. Transl.*), 1970, 275 (*synth*)
Banney, P.J. *et al*, *Aust. J. Chem.*, 1971, **24**, 317 (*pmr*)
Glockling, F. *et al*, *Inorg. Chim. Acta*, 1976, **19**, 267 (*ms*)
Browning, J. *et al*, *J. Chem. Soc., Dalton Trans.*, 1978, 872 (*cmr, nmr*)
Goggin, P.L. *et al*, *J. Chem. Res.* (*S*), 1978, 171 (*ir, raman*)
Furlani, C. *et al*, *J. Electron Spectrosc. Relat. Phenom.*, 1981, **22**, 309 (*pe*)
Merck Index, 9th Ed., 7106.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 905.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 382.

2-(2-Chlorophenyl)-2-(methylamino)-cyclohexanone, 9CI, 8CI C-00266

Ketamine, BAN



$C_{13}H_{16}ClNO$ M 237.729

(±)-*form* [6740-88-1]

Anaesthetic. Cryst. (pentane/Et_2O). Mp 92-93°.

▷GW1300000.

B,HCl: [1867-66-9]. *Ketamine hydrochloride, USAN. Numerous proprietary synonyms.*

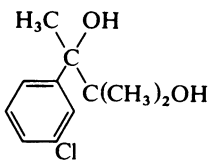
▷GW1400000.

Belg. Pat., 634 208, (*1963*): CA, **61**, 5569 (*synth*)
McCarthy, D.A. *et al*, *J. New Drugs*, 1965, **5**, 21 (*pharmacol*)
Japan. Pat., 72 22 816, (*1972*): CA, **77**, 114046 (*synth*)
Sass, W.C., *Anal. Profiles Drug Subst.*, 1977, **6**, 297 (*rev*)
White, P.F. *et al*, *Anesthesiology*, 1982, **56**, 119 (*rev, pharmacol*)
Wright, M., *J. Am. Vet. Med. Assoc.*, 1982, **180**, 1462 (*rev, use*)
Poslinska, H. *et al*, *Przem. Chem.*, 1985, **64**, 478 (*synth*)
Wang, S. *et al*, *CA*, 1986, **105**, 171969 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2778 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3114.

2-(3-Chlorophenyl)-3-methyl-2,3-butanediol C-00267

Metaglycodol, INN

[13980-94-4]



$C_{11}H_{15}ClO_2$ M 214.691

▷EK0875000.

(±)-*form*

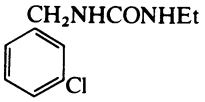
Tranquilliser.

Weaver, L.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1961, **3**, 335 (*pharmacol, tox*)

N-[(3-Chlorophenyl)methyl]-*N'*-ethylurea, 9CI C-00268

1-(m-Chlorobenzyl)-3-ethylurea. ***Lozilurea, INN.*** *ITA-312*

[71475-35-9]



$C_{10}H_{13}ClN_2O$ M 212.679

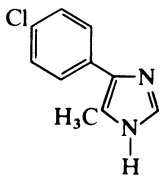
Antiulcerogenic agent. Mp 120-121°.

Spanish Pat., 474 449, (*1979*); *CA*, **91**, 140596c (*synth, ir, pmr, pharmacol*)

4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, 9CI C-00269

Lofemizole, INN

[65571-68-8]



$C_{10}H_9ClN_2$ M 192.648

Antiinflammatory, analgesic, antipyretic. Cryst. (EtOH). Mp 198°.

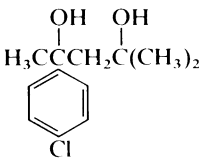
B,HCl: [70169-80-1]. *Lofemizole hydrochloride, USAN.* Mp 217°.

Ger. Pat., 2 721 835, (*1977*); *CA*, **88**, 89671g (*synth, pharmacol*)

2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, 8CI C-00270

Fenpentadiol, INN. *Phenpentanediol. Tredum. Trefenum. Rd 292*

[15687-18-0]



$C_{12}H_{17}ClO_2$ M 228.718

▷SA0525000.

(±)-*form*

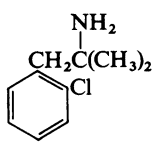
Tranquilliser, antidepressant. Cryst. (pet. ether). Mp 76.5°.

Valette, R. *et al*, *Chim. Ther.*, 1968, **3**, 296 (*synth, pharmacol*)
Ginet, J. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1 (*pharmacol*)
Kriegel, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 9, 13 (*tox, uv*)
U.S.P., 3 631 114, (*1971*); *CA*, **76**, 72206p (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12742.

1-(2-Chlorophenyl)-2-methyl-2-propylamine C-00271

2-Chloro-α,α-dimethylbenzeneethanamine, 9CI. o-*Chloro-α,α-dimethylphenethylamine, 8CI.* ***Clortermine, INN***

[10389-73-8]



$C_{10}H_{14}ClN$ M 183.680

Anorexic drug. Bp_{16} 116-118°.

B,HCl: [10389-72-7]. *Clortermine hydrochloride, USAN. Voranil. Su 10568.* Mp 245-246°.

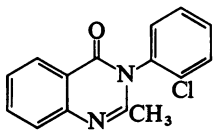
▷SH1150000.

Belg. Pat., 665 244, (*1965*); *CA*, **65**, 648c (*synth, pharmacol*)
B.P., 1 066 616, (*1967*); *CA*, **67**, 67596 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1474.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1147.

3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, 9CI C-00272

Mecloqualone, USAN, INN. *Casfen. Hypnon (soviet). Iasson. Nubarene. Nubirol. Sepadin. B 208-Tropon. NSC 142005. W 4744*

[340-57-8]



$C_{15}H_{11}ClN_2O$ M 270.718
Sedative, hypnotic. Mp 126-128°.

▷VA2975000.

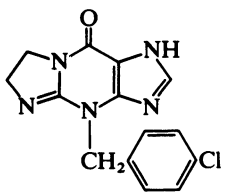
B,HCl: Mp 239-241°.

Biandri, C. *et al, J. Pharm. Pharmacol.*, 1960, **12**, 501 (*pharmacol*)
Jackman, G.B. *et al, J. Pharm. Pharmacol.*, 1960, **12**, 529 (*synth*)
Grammaticakis, P. *et al, C. R. Hebd. Seances Acad. Sci.*, 1961, **252**, 4011 (*uv*)
Daenens, P. *et al, Arzneim.-Forsch.*, 1974, **24**, 195 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4041.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 762.

4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, 9CI C-00273

MJ 12504

[68020-42-8]



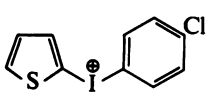
$C_{14}H_{12}ClN_5O$ M 301.735
Bronchodilator and antiallergic agent. Off-white cryst. (2-propanol/DMF). Mp 289-293°.

6,6-Dimethyl: see Fenprinast, F-00072

Seidehamel, R.J. *et al, ACS Symp. Ser.*, 1978, **118**, 285 (*rev, props*)
Temple, D.L. *et al, J. Med. Chem.*, 1980, **23**, 1188 (*synth, props*)

(4-Chlorophenyl)-2-thienyliodonium, 9CI C-00274

Tiodonium (1+)



$C_{10}H_7ClIS^{\oplus}$ M 321.583 (ion)
Bactericide, algicide.

Chloride: [38070-41-6]. *Tiodonium chloride, USAN, INN. DL 164.*
$C_{10}H_7Cl_2IS$ M 357.036
Mp 170-177°.

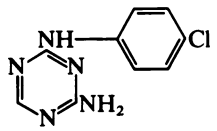
Bromide: [38070-42-7].
$C_{10}H_7BrClIS$ M 401.487
Mp 180-185°.

Yamada, Y. *et al, Bull. Chem. Soc. Jpn.*, 1972, **45**, 2515 (*synth*)
U.S.P., 3 944 498, (*1976*); *CA*, **84**, 181912 (*synth, props*)

N-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, 9CI C-00275

2-Amino-4-(p-chloroanilino)-s-triazine, 8CI. ***Chlorazanil, INN.*** *Daquin. Diurazyna. Orpizin. Other proprietary names*

[500-42-5]



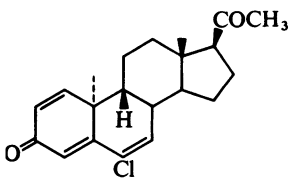
$C_9H_8ClN_5$ M 221.649
Diuretic. Cryst. Mp 256-258° (233-234°).

▷XY3150500.

B,HCl: [2019-25-2]. *Chlorazinil hydrochloride. Doclizid* T. *Orpidan.* Mp 277-278°.

B.P., 676 024, (*1952*); *CA*, **47**, 8097 (*synth*)
Kala, H., *Pharmazie*, 1961, **16**, 297 (*ir, uv, chromatogr*)
McKeon, W.B., *Arch. Int. Pharmacodyn. Ther.*, 1964, **151**, 225 (*pharmacol, tox*)
Shah, M.H. *et al, J. Med. Chem.*, 1968, **11**, 1167 (*synth, pharmacol*)
Takagi, K. *et al, Chem. Pharm. Bull.*, 1969, **17**, 1061 (*synth, props*)
Kreutzberger, A., *Arch. Pharm. (Weinheim, Ger.)*, 1975, **308**, 148 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2314.

6-Chloro-1,4,6-pregnatriene-3,20-dione, 9CI C-00276



$C_{21}H_{25}ClO_2$ M 344.880

(9β,10α)-form [5192-84-7]

Trengestone, INN. *6-Chloro-6,7-didehydroretroprogesterone. Reteroid. Retroid. Retrone. Ro 4-8347*

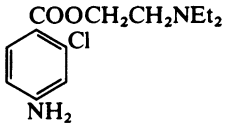
Progestin. Mp 208-209°.

B.P., 951 460, (*1964*); *CA*, **61**, 5733e (*synth*)
Kalra, P.S. *et al, J. Endocrinol.*, 1971, **51**, 675 (*pharmacol*)
Breuer, H. *et al, Acta Endocrinol.*, 1973, **74**, 127 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13367.

Chloroprocaine, INN **C-00277**

2-(Diethylamino)ethyl 4-amino-2-chlorobenzoate, 8CI. *Halestyn. Nesacaine. Piocaine*

[133-16-4]



$C_{13}H_{19}ClN_2O_2$ M 270.758

Local anaesthetic. Mp 41.5-42.5°.

▷DG1575100.

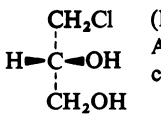
B,HCl: [3858-89-7]. *Chloroprocaine hydrochloride,* USAN. Mp 175-176°.

Silberg, I. *et al, Farmacia (Bucharest),* 1957, **5**, 491; *CA*, **53**, 4192a (*synth*)
East Ger. Pat., 19 648, (*1960*); *CA*, 19866c (*synth*)
Sunshine, I. *et al, J. Forensic Sci.*, 1966, **11**, 428 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7615.

3-Chloro-1,2-propanediol, 9CI **C-00278**

Glycerol α-monochlorohydrin. α-Chlorohydrin. α-Glycerol chlorohydrin. α-Monochlorohydrin. Epibloc

[96-24-2]



(R)-*form* Absolute configuration

$C_3H_7ClO_2$ M 110.540

Male antifertility agent.

▷Toxic by inhalation. TY4025000.

(*R*)-*form* [57090-45-6]

$[\alpha]_D^{20}$ −6.9° (c, 2 in H_2O).

(*S*)-*form* [60827-45-4]

The pharmacologically active enantiomer showing antifertility activity in mammalian spp. $Bp_{0.5}$ 80°. $[\alpha]_D^{20}$ +7.3° (c, 1 in H_2O).

▷TY4202300.

(±)-*form* [52340-46-2]

Shows reversible male antifertility activity. Liq. with sweet taste. Bp_{18} 139°, Bp_1 83°.

▷TY4202000.

1-Ac: [24573-30-6].
$C_5H_9ClO_3$ M 152.577
Bp 240°.

▷TY4203000.

2-Ac:
$C_5H_9ClO_3$ M 152.577
Bp 218°.

Di-Ac: [869-50-1].
$C_7H_{11}ClO_4$ M 194.615
Bp_{40} 145-150°, $Bp_{1.8}$ 90-91°.

▷TY4205000.

Bis-4-nitrobenzoyl: Mp 108°.

Di-Me ether: [34680-56-3]. *2-Chloro-1,3-dimethoxypropane.*
$C_5H_{11}ClO_2$ M 138.594
Bp 156°.

1-Et ether: [4151-98-8]. *2-Chloro-3-ethoxy-1-propanol.*
$C_5H_{11}ClO_2$ M 138.594
Bp 188°.

Dinitrate: [2612-33-1]. ***Clonitrate,*** USAN, ***INN***. *Bangina. Dylate.*
$C_3H_5ClN_2O_6$ M 200.535

Coronary vasodilator. Pale-yellow liq. d_0^9 1.51. Bp 190-195° dec.

Org. Synth., Coll. Vol., **1**, 294 (*synth*)
Fairbourne, A. *et al, J. Chem. Soc.*, 1931, 445 (*synth*)
Krantz, J.C. *et al, Biochem. Pharmacol.*, 1962, **11**, 1095 (*deriv*)
B.P., 1 064 936, (*1967*); *CA*, **67**, 25405d (*deriv*)
Dietz, A.J., *J. Pharm. Sci.*, 1967, **56**, 1664 (*metab dinitrate*)
Jones, H.F. *et al, Chem. Ind. (London)*, 1978, 533 (*synth*)
Jones, A.R. *et al, Experientia*, 1981, **37**, 340; 1983, **39**, 784 (*metab*)
Porter, K. *et al, Chem.-Biol. Interact.*, 1982, **41**, 95 (*synth, isomers, activity*)
Jones, A.R., *Aust. J. Biol. Sci.*, 1983, **36**, 333 (*rev, pharmacol*)
Brown-Woodman, P.D. *et al, Aust. J. Biol. Sci.*, 1986, **39**, 187 (*activity, tox*)
Narasimhan, S. *et al, Magn. Reson. Chem.*, 1987, **25**, 91 (*cmr*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 443.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 672.

3-Chloropropanoic acid, 9CI **C-00279**

[107-94-8]

$ClCH_2CH_2COOH$

$C_3H_5ClO_2$ M 108.524

Leaflets (H_2O), cryst. (ligroin). Mp 41° (61°). Bp 204° part. dec., Bp_{102} 82°. pK_a 4.07. Hygroscopic.

▷UE8750000.

Me ester: [6001-87-2].
$C_4H_7ClO_2$ M 122.551
Bp 155-157°.

▷UE9275000.

Chloridé: [625-36-5].
$C_3H_4Cl_2O$ M 126.970
Bp 143-145°.

▷Highly irritant, causes burns

Amide: [5875-24-1].
C_3H_6ClNO M 107.540
Cryst. (C_6H_6). Mp 102°.

N-*Benzylamide: see Beclamide, B-00022*

▷*UE3150000.*

Nitrile: [542-76-7].

▷Highly toxic. UG1400000.

Org. Synth., Coll. Vol., **1**, 166 (*synth*)
Paal, C. *et al, Ber.*, 1931, **64**, 2142 (*synth*)
Kushner, S. *et al, J. Org. Chem.*, 1951, **16**, 1283 (*deriv*)
Kondratenko, V.I. *et al, CA*, 1972, **76**, 45680g (*synth*)
Dinowski, W. *et al, CA*, 1979, **90**, 103376q (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 500.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 250.

***N*-(3-Chloropropyl)-α-methylphenethylamine,** 8CI **C-00280**

N-(*3-Chloropropyl*)-α-*methylbenzeneethanamine,* 9CI. ***Mefenorex, INN***

[17243-57-1]

$PhCH_2CH(CH_3)NHCH_2CH_2CH_2Cl$

$C_{12}H_{18}ClN$ M 211.734

▷SH2050000.

(±)-*form*

Anorexic drug.

B,HCl: [5586-87-8]. *Mefenorex hydrochloride,* USAN. *Doracil. Pondinil. Pondinol. Rondimen. Ro 4-5282.* Mp 128-130°.

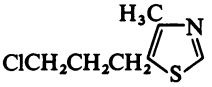
▷SH2100000.

Ger. Pat., 1 210 873, (*1966*); *CA*, **64**, 19486c (*synth*)
Blum, J.E., *Arzneim.-Forsch.*, 1969, **19**, 748 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1483.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2267.

5-(3-Chloropropyl)-4-methylthiazole, 8CI C-00281

Cloprothiazole, INN. *Chlorprothiazole*

[6469-36-9]

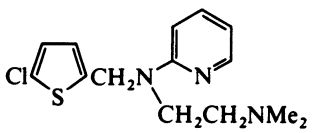


$C_7H_{10}ClNS$ M 175.676
Antifungal agent. Bp_3 90-100°.
1,2-Ethanedisulfonate (2:1): [6617-01-2]. Mp 167-168°.
Lechat, P. *et al*, *Ann. Pharm. Fr.*, 1965, **23**, 369 (*pharmacol*)
Netherlands Pat., 6 510 389, (*1966*); *CA*, **65**, 2268e (*synth, pharmacol*)

Chloropyrilene, BAN, INN C-00282

N-[(5-Chloro-2-thienyl)methyl]-N′,N′-dimethyl-N-2-pyridinyl-1,2-ethanediamine, 9CI. 2-[(5-Chloro-2-thenyl)[2-(dimethylamino)ethyl]amino]pyridine, 8CI. Chlorothen. Chloromethapyrilene. Chlorthenylpyramine

[148-65-2]

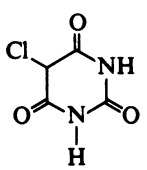


$C_{14}H_{18}ClN_3S$ M 295.829
Antihistamine. Bp_{10} 155-156°.
▷US7350000.
B,HCl: [135-35-3]. *Thendor.* V. sol. H_2O. Mp 106-108°.
Citrate (1:1): [148-64-1]. *Tagathen. Chloropyrilene citrate.* Insol. Et_2O, $CHCl_3$, C_6H_6. Mp 112-116° (later solidifies and remelts 125-140° dec.).
Clapp, R.C. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1549 (*synth*)
Kyrides, L.P. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 745 (*synth, props*)
Lordi, N.G. *et al*, *J. Am. Pharm. Assoc.*, 1956, **45**, 300 (*pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6115.

5-Chloro-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI C-00283

5-Chlorobarbituric acid

[19645-77-3]



$C_4H_3ClN_2O_3$ M 162.532
(±)-*form*
Antineoplastic agent. Needles + $2H_2O$ (H_2O). Mp 290-295°. Reddens on heating.
NH_4 salt: Mp 245°. Darkens at 200°.
1-N-Me: [67154-94-3].
$C_5H_5ClN_2O_3$ M 176.559
Mp 137°.
1,3-N-Di-Me: [67154-93-2].
$C_6H_7ClN_2O_3$ M 190.586
Mp 129°.
Biltz, H. *et al*, *Ber.*, 1916, **49**, 635 (*synth*)
Bock, W., *Ber.*, 1923, **56**, 1222 (*synth*)
Zeigler, E. *et al*, *Monatsh. Chem.*, 1962, **93**, 1376 (*synth*)

Chloroquine, BAN, INN C-00284

N^4-(7-Chloro-4-quinolinyl)-N^1,N^1-diethyl-1,4-pentanediamine, 9CI. 7-Chloro-4-(4-diethylamino-1-methylbutylamino)quinoline

[54-05-7]

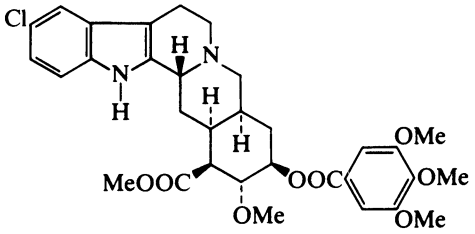


$C_{18}H_{26}ClN_3$ M 319.877
▷VB2360000.
(+)-*form* [58175-86-3]
Mp 68-69°. $[\alpha]_D^{22}$ +108.2° (c, 1 in EtOH).
B,2H3PO4: [69698-55-1]. Mp 202°. $[\alpha]_D^{22}$ +86.9° (c, 2.1 in H_2O).
(±)-*form*
Antimalarial, antiamoebic drug. Cryst. (C_6H_6/ligroin). Mp 87-88°. $Bp_{0.2}$ 212-214°.
B,2H3PO4: [50-63-5]. *Aralen. Avloclor. Resochin. Numerous proprietary names.* Dimorphic cryst. Mp 193-195° and 215-218°.
▷VB2450000.
B,H2SO4: [132-73-0]. *Chloroquine sulfate. Nivaquine.*
8-Hydroxy-7-iodo-5-quinolinesulfonate salt (1:2): [7270-12-4]. ***Cloquinate, INN, BAN.*** *Chloquinate.* Antimalarial and amoebicide.
2,5-Dihydroxybenzoate salt: [16510-14-8]. *Quinercyl. Chloroquine gentisate.* Antimalarial and antiarthritic. Mp 165-170°.
Picrate: Mp 207°.
Surrey, A.R. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 113 (*synth*)
Andersag, A., *Chem. Ber.*, 1948, **81**, 499 (*synth*)
U.S.P., 2 650 224, (*1953*); *CA*, **48**, 11500 (*cloquinate*)
Léger, J.-M. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1972, **275**, 313 (*cryst struct*)
Hahn, F.E., *Antibiotics (N.Y.)*, 1975, **3**, 58 (*rev*)
Hong, D.D., *Anal. Profiles Drug Subst.*, 1976, **5**, 61 (*rev*)
Blaschke, G. *et al*, *Chem. Ber.*, 1978, **111**, 2732 (*resoln*)
Singh, S.P. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 9 (*pmr*)
Haberkorn, A. *et al*, *Tropenmed. Parasitol.*, 1979, **30**, 308 (*pharmacol*)
Olantunde, O., *Toxicol. Trop. (Int. Symp.)* 1st, 1979, 212 (*rev, tox*)
Tanenbaum, L. *et al*, *Arch. Dermatol.*, 1980, **116**, 587 (*rev, pharmacol*)
Yayon, A., *Rev. Clin. Basic Pharmacol.*, 1985, **5**, 99 (*rev, props*)
Hufford, C.D. *et al*, *Spectrosc. Lett.*, 1986, **19**, 595 (*cmr*)
Craig, J.C. *et al*, *J. Org. Chem.*, 1988, **53**, 7167 (*abs config*)
Karle, J.M. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1605 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1371, 1372, 1373.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4976 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 773, 774.

Chloroserpidine, INN **C-00285**

10-Chloro-17-methoxy-18-[(3,4,5-trimethoxybenzoyl)-oxy]yohimban-16-carboxylic acid methyl ester, 9CI. *Methyl 10-chloro-18β-hydroxy-17α-methoxy-3β,20α-yohimban-16β-carboxylate 3,4,5-trimethoxybenzoate,* 8CI. *10-Chlorodeserpidine. R 616*

[7008-24-4]



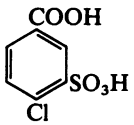
$C_{32}H_{37}ClN_2O_8$ M 613.106

Neuroleptic agent. Mp 160-170°. $[\alpha]_D^{20}$ −147° (c, 0.5 in $CHCl_3$). Less toxic than reserpine.

▷ZF9340000.

U.S.P., 3 285 815, (*1966*); *CA*, **66**, 65695n (*synth, tox, pharmacol*)

4-Chloro-3-sulfobenzoic acid **C-00286**



$C_7H_5ClO_5S$ M 236.627

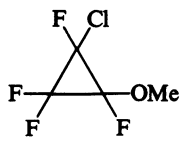
Diamide: [2455-92-7]. *4-Chloro-3-sulfamoylbenzamide,* 8CI. ***Sulclamide, INN.*** *SD 14112.*
$C_7H_7ClN_2O_3S$ M 234.657
Diuretic. Mp 228-230°.

Boissier, J.R. *et al*, *Therapie*, 1963, **18**, 711; 1966, **21**, 331 (*pharmacol*)
Petrow, V. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 138 (*synth, pharmacol*)

1-Chloro-1,2,2,3-tetrafluoro-3-methoxycyclopropane, 9CI **C-00287**

Aliflurane, *USAN, INN,. 26-P*

[56689-41-9]



$C_4H_3ClF_4O$ M 178.514

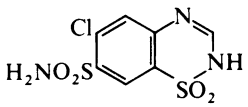
Inhalatory anaesthetic. Liq. d^{20} 1.420. Bp 70-71°.

U.S.P., 3 928 468, (*1975*); *CA*, **84**, 164252u (*synth, pharmacol*)
Munson, E.S. *et al*, *Anesthesiology*, 1979, **51**, 545, 548 (*metab*)

Chlorothiazide, BAN, INN, USAN **C-00288**

6-Chloro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI, 8CI. *6-Chloro-7-sulfamoyl-1,2,4-benzothiadiazine-1,1-dioxide. Clorotiazide. Chlotride. Diuril. Saluric. Numerous proprietary names*

[58-94-6]



$C_7H_6ClN_3O_4S_2$ M 295.715

Diuretic, antihypertensive. Sol. alkali. Mp 342.5-343° dec. Component of Aldoclor, Diupres.

▷DK9450000.

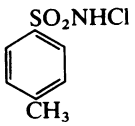
Na salt: [7085-44-1]. *Chlorothiazide sodium,* USAN. *Sodium diuril.*

Novello, F.C. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 2028 (*synth*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 1884 (*cryst struct*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 686 (*ms*)
Kracmar, J. *et al*, *Cesk. Farm.*, 1971, **20**, 287 (*uv*)
Jakobsen, P. *et al*, *Tetrahedron*, 1979, **35**, 2151 (*pmr, cmr*)
Beyer, K.H., *Br. J. Clin. Pharmacol.*, 1982, **13**, 15 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 626 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2316, 2317.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 776.

***N*-Chloro-*p*-toluenesulfonamide** **C-00289**

N-*Chloro-4-methylbenzenesulfonamide,* 9CI. p-*Toluenesulfonchloramide*

[144-86-5]



$C_7H_8ClNO_2S$ M 205.659

Antibacterial agent, disinfectant.

▷Explodes when heated to 175-180°

Na salt: [127-65-1]. *Tosylchloramide sodium,* INN. *Chloramine T. Acti-chlore. Chloraseptine. Dygerma. Hydrosept. Other synonyms.* Mp 180° dec. (as trihydrate).

▷XT5617000.

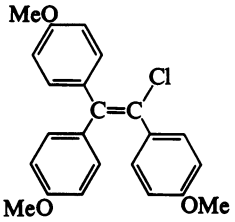
Mg salt: [8042-21-5]. *Jovanyl. Septamid.* Wound disinfectant, deodorant.

Chattaway, F.D., *J. Chem. Soc.*, 1905, **87**, 145 (*synth*)
Dietzel, R. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1928, **266**, 173 (*props*)
Feldhoff, R.A., *Pharm. Ztg.*, 1929, **74**, 756 (*rev, props*)
Heintzelman, R.W. *et al*, *Synthesis*, 1976, **11**, 731 (*synth*)
Bremner, D.H., *Synth. Reagents*, 1985, **6**, 9 (*rev, photochem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2218.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 680.

Chlorotrianisene, BAN, USAN, INN **C-00290**

1,1′,1″-(1-Chloro-1-ethenyl-2-ylidene)tris[4-methoxybenzene], 9CI. Chlorotris(p-methoxyphenyl)ethylene, 8CI. Tris-p-anisylchloroethylene. TACE. Anisene. Clorotrisin. Hormonisene. Merbentul. Metace. Restrol. Rianil. Triagen. Trianisoestrol. NSC 10108

[569-57-3]



$C_{23}H_{21}ClO_3$ M 380.870

Oestrogen. Cryst. (MeOH). Mp 114-116°. Softens at 108°.

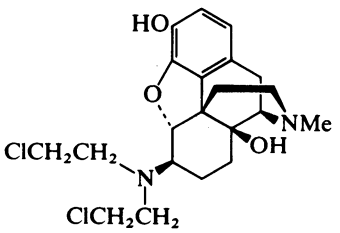
▷KV0600000.

U.S.P., 2 430 891, (*1947*); *CA*, **42**, 1968g (*synth*)
Herbai, G., *Acta Endocrinol.*, 1971, **68**, 249 (*pharmacol*)
Crawley, G.C., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1980, **12**, 658 (*rev*)
Crenshaw, M.D. *et al*, *J. Org. Chem.*, 1983, **48**, 2782 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9029.

Chloroxymorphamine **C-00291**

6-[Bis(2-chloroethyl)amino]-17-methyl-4,5-epoxymorphinan-3,14-diol, 9CI. COA

[71360-45-7]



$C_{21}H_{28}Cl_2N_2O_3$ M 427.370

Narcotic antagonist.

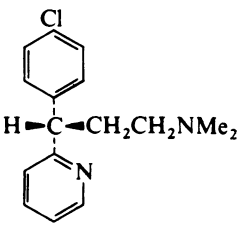
B,2HCl: [70796-16-6]. Mp >285°.

Caruso, T.P. *et al*, *Science* (*Washington*), 1979, **204**, 316 (*synth, props*)
Larson, A.A. *et al*, *Eur. J. Pharmacol.*, 1980, **68**, 25 (*pharmacol*)

Chlorpheniramine, BAN **C-00292**

γ-(4-Chlorophenyl)-N,N-dimethyl-2-pyridinepropanamine, 9CI. 2-[p-Chloro-α-[2-(dimethylamino)ethyl]benzyl]pyridine, 8CI. ***Chlorphenamine, INN****. Chlorhistapyridamine. Chloroprophenpyridamine*

[132-22-9]



(S)-form
Absolute configuration

$C_{16}H_{19}ClN_2$ M 274.793

▷US6379500.

(S)-form [25523-97-1]

Dexchlorpheniramine, INN

More active enantiomer, antihistamine. Oil. $[\alpha]_D^{25}$ +49.8° (c, 0.01 in DMF).

Maleate: Dexchlorpheniramine maleate, USAN. Constit. of numerous antihistamine preparations. Cryst. (EtOAc). Mp 113-115°. $[\alpha]_D^{25}$ +44.3° (c, 0.01 in DMF).

▷US6475000.

(±)-*form* [42882-96-2]

Antihistamine. $Bp_{0.5}$ 159-161°.

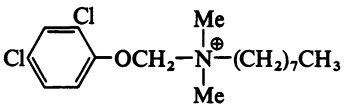
Maleate: [113-92-8]. *Chlorpheniramine maleate, USAN. Numerous proprietary synonyms.* Sol. H_2O, EtOH, $CHCl_3$, spar. sol. C_6H_6, Et_2O. Mp 130-135°.

▷US6475000.

Sperber, N. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 5752 (*synth*)
U.S.P., 3 030 371, (*1962*); *CA*, **57**, 9822i (*resoln*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 670 (*ms*)
Eckhart, C.G. *et al*, *Anal. Profiles Drug Subst.*, 1973, **7**, 43 (*rev*)
James, M.N.G. *et al*, *Can. J. Chem.*, 1974, **52**, 1872 (*cryst struct*)
Chang, C. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1019 (*cmr*)
Berkoff, C.E. *et al*, *Synth. Commun.*, 1980, **10**, 939 (*synth*)
Warner, R.N., *Diss. Abstr. Int. B*, 1982, **42**, 4436 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4004, 4005 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6116, 6127.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 784.

Chlorphenoctium(1+) **C-00293**

[(2,4-Dichlorophenoxy)methyl]-dimethyloctylammonium(1+)



$C_{17}H_{28}Cl_2NO^{\oplus}$ M 333.320 (ion)

Antifungal, antiseptic agent.

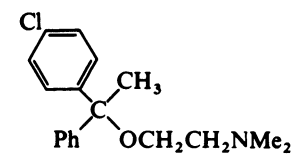
4,4′-Diaminostilbene-2,2′-disulfonate: [7168-18-5]. *Chlorphenoctium amsonate, BAN, INN.*
$C_{31}H_{41}Cl_2N_3O_5S_2$ M 670.708
Mp 105-106°.

Barber, H.J. *et al*, *J. Appl. Chem.*, 1954, **4**, 115 (*synth*)

Chlorphenoxamine, BAN, INN **C-00294**

2-[1-(4-Chlorophenyl)-1-phenylethoxy]-N,N-dimethylethanamine, 9CI. 2-[(p-Chloro-α-methyl-α-phenylbenzyl)oxy]-N,N-dimethylethylamine, 8CI

[77-38-3]



$C_{18}H_{22}ClNO$ M 303.831

Antiparkinsonian drug, skeletal muscle relaxant. $Bp_{0.05}$ 150-155°.

▷KR3185000.

B,HCl: [562-09-4]. *Chlorphenoxamine hydrochloride, USAN. Clorevan. Contristamine. Histol. Phenoxene. Phenoxine. Systral. C 172.* Needles. Sol. H_2O. Mp 128°.

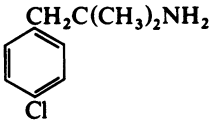
▷KR2975000.

Arnold, H. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 189, 262 (*pharmacol*)
Ger. Pat., 952 715, (*1956*); *CA*, **53**, 8075a (*synth, pharmacol*)
Kerley, T.L. *et al*, *J. Pharmacol. Exp. Ther.*, 1961, **132**, 360 (*pharmacol*)
Kerley, T.L. *et al*, *Toxicol. Appl. Pharmacol.*, 1962, **4**, 638 (*tox*)
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 353.

Chlorphentermine, BAN, INN C-00295

4-Chloro-α,α-dimethylbenzeneethanamine, *9CI*. p-*Chloro-α,α-dimethylphenethylamine*, *8CI*

[461-78-9]



$C_{10}H_{14}ClN$ M 183.680

Anorexic drug, appetite suppressant. Liq. Bp 231°, Bp_2 100-102°.

▷SH1050000.

B,HCl: [151-06-4]. *Chlorphenteramine hydrochloride, USAN. Desopimon. Pre-Sate. NSC 76098. Other proprietary names.* Mp 234°.

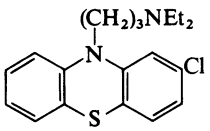
▷SH1225000.

Bachman, G. B. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3972 (*synth*)
Cox, R.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **181**, 1 (*pharmacol*)
Engler, J. *et al*, *J. Labelled Compds.*, 1973, **9**, 81 (*synth*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Cartoni, A. *et al*, *Boll. Chim. Farm.*, 1976, **115**, 347 (*ms*)
Beckett, A.H. *et al*, *Br. J. Clin. Pharmacol.*, 1977, **4**, 193 (*metab*)
Vondra, H., *Ther. Hung.*, 1980, **28**, 11 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1625 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1472.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 785.

Chlorproethazine, INN C-00296

*2-Chloro-*N,N*-diethyl-10*H*-phenothiazine-10-propanamine*, *9CI*. *2-Chloro-10-[3-(diethylamino)propyl]-phenothiazine*, *8CI*

[84-01-5]



$C_{19}H_{23}ClN_2S$ M 346.917

Tranquilliser, sedative, antiemetic, neuroleptic, spasmolytic agent. Bp_1 225-240°.

▷SN7875000.

B,HCl: [4611-02-3]. *Neuriplege. 4909 RP.* Mp 178°.

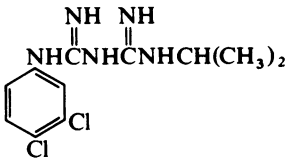
▷SN8225000.

U.S.P., 2 769 002, (*1956*); *CA*, **51**, 6709c (*synth, pharmacol*)
Gozsy, B. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **128**, 75 (*pharmacol*)
Gadret, M. *et al*, *Bull. Soc. Pharm. Bordeaux*, 1964, **103**, 217 (*cryst struct*)
Schunack, W. *et al*, *Deut. Apoth.-Ztg.*, 1965, **105**, 1551 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7020.

Chlorproguanil, BAN, INN C-00297

N-*(3,4-Dichlorophenyl)*-N′-*(1-methylethyl)-imidodicarbonimidic diamide*, *9CI*. *1-(3,4-Dichlorophenyl)-5-isopropylbiguanide*, *8CI*. *M 5943*

[537-21-3]



$C_{11}H_{15}Cl_2N_5$ M 288.179

Antimalarial drug.

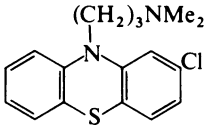
B,HCl: [6001-93-0]. *Lapudrine.* Sol. H_2O. Mp 246-247°.

Curd, F.H. *et al*, *Br. J. Pharmacol.*, 1950, **5**, 438 (*pharmacol*)
Crowther, A.F. *et al*, *J. Chem. Soc.*, 1951, 1774 (*synth*)
Ryley, J.F. *et al*, *Br. J. Pharmacol.*, 1953, **8**, 424 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1376.

Chlorpromazine, BAN, INN, USAN C-00298

*2-Chloro-*N,N*-dimethyl-10*H*-phenothiazine-10-propanamine*, *9CI*. *2-Chloro-10-(3-dimethylaminopropyl)-phenothiazine*, *8CI*. *Thorazine. Numerous proprietary names*

[50-53-3]



$C_{17}H_{19}ClN_2S$ M 318.864

Tranquilliser, antiemetic. Used in treatment of schizophrenia. Oily liq. Insol. H_2O. $Bp_{0.8}$ 200-205°.

▷Highly toxic. SN8925000.

B,HCl: [69-09-0]. *Chlorpromazine hydrochloride, USAN. Chloractil. Largactil.* Creamy-white solid, dec. on exposure to air and light. V. sol. H_2O. Mp 179-180°.

▷SO1750000.

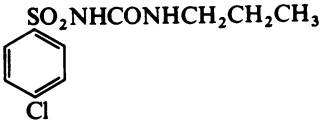
Picrate: Mp 172-173°.

Charpentier, P. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1952, **235**, 59 (*synth*)
McDowell, J.J.H., *Acta Crystallogr., Sect. B*, 1969, **25**, 2175 (*cryst, struct*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 754 (*ms*)
Rappaport, M. *et al*, *Science*, 1971, **174**, 723 (*pharmacol*)
Forrest, I.S. *et al*, (*Ed.*), *Adv. Biochem. Psychopharmacol.*, Vol. 9, 1974, Raven Press, N.Y. (*rev*)
Day, C.R., *M.B. Pharm. Bull.*, 1979, **26**, 50 (*rev*)
Jovanovic, M.V. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 1589 (*cmr*)
Schmolka, S.J. *et al*, *Synthesis*, 1984, 29 (*synth*)
Galons, H. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 5108 (*synth, pmr*)
Klein, C.L. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1083 (*cryst struct*)
Kracmar, J. *et al*, *Pharmazie*, 1986, **41**, 571 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4370 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7021, 7022, 7023.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 766, 767.

Chlorpropamide, BAN, INN **C-00299**

4-Chloro-N-[(propylamino)carbonyl]-benzenesulfonamide, 9CI. 1-[(p-Chlorophenyl)sulfonyl]-3-propylurea, 8CI. Diabinese. Melitase. Numerous proprietary names

[94-20-2]



$C_{10}H_{13}ClN_2O_3S$ M 276.737

Oral hypoglycaemic drug, used to treat diabetes mellitus. Cryst. (EtOH aq.). Sl. sol. Et_2O, C_6H_6. Mp 127-129°.

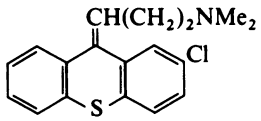
▷YS6650000.

Marshall, F.J. *et al*, *J. Org. Chem.*, 1958, **23**, 927 (*synth*)
Bauer, V.J. *et al*, *J. Org. Chem.*, 1960, **31**, 3440 (*synth*)
McManus, J.M. *et al*, *J. Med. Chem.*, 1965, **8**, 766 (*pharmacol*)
Jackson, W.P.U., *Med. Chem. Ser. Monogr.*, 1969, **9**, 135 (*pharmacol*)
Dave, G.R. *et al*, *Indian. Chem. J.*, 1971, **5**, 31 (*synth*)
Madsen, S.N. *et al*, *Eur. J. Pharmacol.*, 1971, **13**, 374 (*metab*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Koo, C.H. *et al*, *Arch. Pharmacol. Res.*, 1980, **3**, 37 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1573 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7216.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 764.

Chlorprothixene, BAN, INN, USAN **C-00300**

3-(2-Chloro-9H-thioxanthen-9-ylidene)-N,N-dimethyl-1-propanamine, 9CI. 2-Chloro-N,N-dimethylthioxanthene-$\Delta^{9,\gamma}$-propylamine,, 8CI. Chlothixen. Other proprietary names

[113-59-7]



$C_{18}H_{18}ClNS$ M 315.860

Tranquilliser, antihistamine. Pale-yellow cryst. Insol. EtOH, Et_2O, $CHCl_3$. Mp 97-98°. The pharmacologically more active compd. is the (*Z*)-form and the formulated product is said to consist of this isomer.

▷XO1050000.

B,HCl: [6469-93-8]. *Chlorprothixene hydrochloride, JAN. Taractan.* Sol. H_2O. Mp 221°.

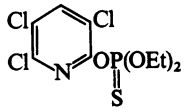
▷XO0610000.

B.P., 829 763, (*1960*); *CA*, **54**, 24811 (*synth*)
Biel, J.H., *Principles of Psychopharmacology*, 1970, Academic Press, New York, 269 (*rev, pharmacol*)
de Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Rudy, B.C. *et al*, *Anal. Profiles Drug Subst.*, 1973, **2**, 63 (*rev*)
Kaiser, C. *et al*, *J. Med. Chem.*, 1974, **17**, 131 (*pmr*)
Post, M.L. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 1644 (*cryst struct*)
Irwin, W.J. *et al*, *Chem. Ber.*, 1982, 708 (*hplc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4729 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7024.

Chlorpyrifos, BSI, ISO, BAN **C-00301**

O,O-Diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate, 9CI. Dursban

[2921-88-2]



$C_9H_{11}Cl_3NO_3PS$ M 350.584

Broad range contact insecticide. Cryst. with mild mercaptan odour. V. spar. sol. H_2O, sol. most org. solvs. Mp 42-43.5°. Rel. stable to sunlight.

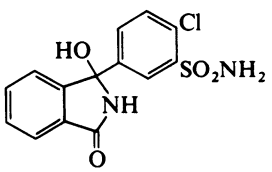
▷Cholinesterase inhibitor. *N*-Ethylating agent for RNA and DNA. TF6300000.

Babad, H. *et al*, *Anal. Chim. Acta*, 1968, **41**, 259 (*pmr*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)
Baughman, R.G. *et al*, *J. Agric. Food Chem.*, 1978, **26**, 576 (*cryst struct*)
Busch, K.L. *et al*, *Appl. Spectrosc.*, 1978, **32**, 388 (*ms*)
Lores, E.M. *et al*, *J. Agric. Food Chem.*, 1978, **26**, 118 (*metab*)
Stan, H.-J. *et al*, *Biomed. Mass. Spectrom.*, 1982, **9**, 483 (*ms*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Nolan, R.J. *et al*, *J. Toxicol. Appl. Pharmacol.*, 1984, **73**, 8 (*pharmacol*)
Sultatos, L.G. *et al*, *J. Toxicol. Appl. Pharmacol.*, 1984, **73**, 60 (*tox*)
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A088.
Pesticide Manual, 7th Ed., 125.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18112.

Chlorthalidone, BAN, USAN **C-00302**

2-Chloro-5-(2,3-dihydro-1-hydroxy-3-oxo-1H-isoindol-1-yl)benzenesulfonamide, 9CI. 2-Chloro-5-(1-hydroxy-3-oxo-1-isoindolinyl)benzenesulfonamide, 8CI. ***Chlortalidone, INN.*** *Chlorphtalidolone. Clortalidone. Hygroton. Phthalamudine. Other proprietary names*

[77-36-1]



$C_{14}H_{11}ClN_2O_4S$ M 338.765

▷DB1556000.

(+)-***form*** [74658-81-4]

Cryst. (Me_2CO/pentane). Mp 264°. $[\alpha]_D^{25}$ +140.9° (c, 0.25 in dioxan).

(±)-***form*** [74666-82-3]

Diuretic, antihypertensive. Creamy-white powder. Spar. sol. H_2O. Mp 224-226° dec.

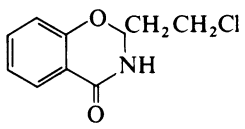
Graf, W. *et al*, *Helv. Chim. Acta.*, 1959, **42**, 1085 (*synth*)
Zsoter, T.T. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **180**, 723 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Blaschke, G. *et al*, *Chem. Ber.*, 1980, **113**, 2031 (*resoln*)
Singer, J.M. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3005 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2318.

Chlorthenoxazin, BAN C-00303

2-(2-Chloroethyl)-2,3-dihydro-4H-1,3-benzoxazin-4-one, 9CI. ***Chlorthenoxazine, INN.*** *Benzmethoxazone.*

Other proprietary names

[132-89-8]



$C_{10}H_{10}ClNO_2$ M 211.648

Antiinflammatory, analgesic, antipyretic. Cryst. (EtOH). Mp 146-147° dec. Component of Trigatan and Fiobrol.

▷DM3675000.

Kadatz, R., *Arzneim.-Forsch.*, 1957, **7**, 651, 653 (*pharmacol, metab*)
U.S.P., 2 943 087, (*1960*); *CA*, **54**, 24818i (*synth*)
Wilson, D., *Br. Med. J.*, 1960, **1**, 36 (*pharmacol*)
Irikura, T. *et al*, *Yakugaku Zasshi*, 1962, **82**, 1079 (*synth*)
Longo, E., *Boll. Chim. Farm.*, 1962, **101**, 31 (*uv*)
Baker, J.A. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 97 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1457 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2623.

Cholecystokinin C-00304

Pancreozymin, BAN. *CCK-PZ*

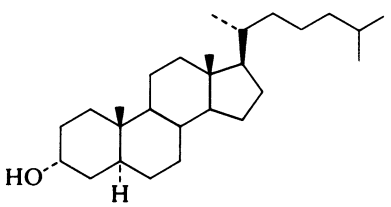
[9011-97-6]

Lys(Ala,Gly,Pro,Ser)Arg-Val(Ile,Met,Ser)Lys-Asn(Asx,Glx,His,Leu_2,Pro,Ser_2)Arg-Ile(Asp,Ser)Arg-Asp(Gly,Met_2,Trp&&$TyrSO_3H$)Asp-$PheNH_2$

Polypeptide hormone found in the mucosa of the upper intestine first shown to cause gall bladder contraction. Used as a diagnostic aid to determine pancreatic function. Also used as an adjunct to cholecystography. Porcine cholecystokinin consists of 33 amino acid residues, the C-terminal pentapeptide being identical to that of Gastrin and Caerulein.

Harper, A.A. *et al*, *J. Physiol.*, 1943, **102**, 115 (*isol*)
Jorpes, E. *et al*, *Acta Chem. Scand.*, 1964, **18**, 2408 (*purifn*)
Mutt, V. *et al*, *Eur. J. Biochem.*, 1968, **6**, 156 (*struct*)
Ondetti, M.A. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 195 (*synth*)
Bodanszky, M. *et al*, *J. Org. Chem.*, 1972, **37**, 2303 (*synth*)
Takahashi, Y. *et al*, *Proc. Natl. Acad. Sci. USA*, 1985, **82**, 1931 (*cloning*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2141.

3-Cholestanol C-00305



(3α,5α)-*form*

$C_{27}H_{48}O$ M 388.676

(3α,5α)-form [516-95-0]

Epicholestanol. *Epidihydrocholesterin. Dihydrin. Presteron*

Agent for alveolar blennorrhea. Needles (EtOH). Mp 185-186°. $[\alpha]_D^{20}$ +34° ($CHCl_3$).

Ac:

$C_{29}H_{50}O_2$ M 430.713

Cryst. (MeOH). Mp 96°. $[\alpha]_D$ +30° ($CHCl_3$).

(3β,5α)-form [80-97-7]

Cholestanol

Occurs in human faeces, gallstones and eggs. Also found in adrenal tissue and is prod. by sponges. Leaflets (EtOH). Mp 140.5°. $[\alpha]_D^{22}$ +27.4° ($CHCl_3$).

Ac: Prisms (MeOH/EtOAc). Mp 110-111°. $[\alpha]_D^{20}$ +11.5° ($CHCl_3$).

22,23-Didehydro: 5α-Cholest-22-en-3β-ol.

$C_{27}H_{46}O$ M 386.660

Constit. of scallop, sponges and jellyfish. Cryst. (MeOH). Mp 117.5°.

(3α,5β)-form

Epicoprostanol. Epicoprosterol

Mp 107-108°. $[\alpha]_D$ +31° ($CHCl_3$).

(3β,5β)-form

Coprostanol. *Coprosterol. Stercorin*

Major sterol from faeces. Mp 96-100°. $[\alpha]_D$ +26° ($CHCl_3$).

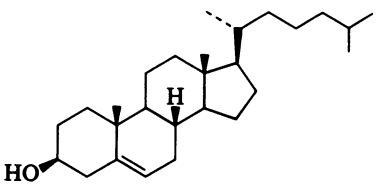
Ac: Mp 89°.

Org. Synth., Coll. Vol., **2**, 191.
Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1934, **17**, 1407 (*synth*)
Barnett, J. *et al*, *J. Chem. Soc.*, 1940, 1390 (*synth*)
Heath-Brown, B. *et al*, *J. Chem. Soc.*, 1940, 1483 (*synth*)
Bergmann, W. *et al*, *J. Org. Chem.*, 1945, **10**, 580 (*synth*)
Shoppe, C.W. *et al*, *J. Chem. Soc.*, 1950, 687 (*synth*)
Douglas, G.H. *et al*, *J. Chem. Soc.*, 1959, 1720 (*synth*)
Meittinen, T.A., *Acta Chem. Scand.*, 1967, **21**, 286.
Michnowicz, J. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 765 (*ms*)
Ishige, M. *et al*, *Can. J. Chem.*, 1973, **51**, 3923 (*synth*)
Eggert, H. *et al*, *J. Org. Chem.*, 1976, **41**, 71 (*cmr*)
Iida, T. *et al*, *J. Lipid Res.*, 1979, **20**, 279 (*pmr*)
Valente, C. *et al*, *J. Org. Chem.*, 1984, **49**, 44 (*synth, bibl*)

Cholesterol, USAN C-00306

5-Cholesten-3β-ol. Cholesterin

[57-88-5]



$C_{27}H_{46}O$ M 386.660

Characteristic sterol of higher animals. Constit., either free or as esters, of fish liver oils, egg yolk, bile, bran, gallstones, etc. Pharmaceutical aid (emulsifying agent). Pearly leaflets (EtOH aq.). Mp 148.5° (anhyd.). $[\alpha]_D$ −31.12° (Et_2O).

▷Exp. carcinogen. FZ8400000.

Ac: [604-35-3]. Needles (Me_2CO). Mp 114-115°. $[\alpha]_D^{20}$ −47.4° ($CHCl_3$).

3-((+)-14-Methylhexadecanoyl): [19477-24-8]. *Carcinolipin.*

$C_{44}H_{78}O_2$ M 639.099

Carcinogenic lipid which stimulates protein synth. Cryst. Mp 75°.

▷FZ7605000.

Chloroformyl: [7144-08-3]. *Cholesteryl chloroformate.*

$C_{28}H_{45}ClO_2$ M 449.115

Reagent for isol. and identification of primary and secondary amines in aq. soln. Mp 119.5-121°. $[\alpha]_D$ −26.7°.

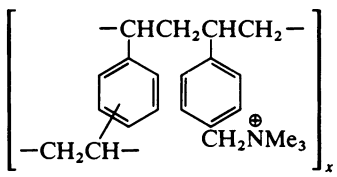
Propanoyl: Plates (EtOH/Et_2O). Mp 114°. $[\alpha]_D$ −40.9°.
Me ether: 3β-Methoxy-5-cholestene. Mp 84.5°. $[\alpha]_D^{20}$ −45.8° ($CHCl_3$).
Et ether: 3β-Ethoxy-5-cholestene. Mp 88.5°. $[\alpha]_D^{21}$ −39° ($CHCl_3$).
3-(Ethoxyacetyl): **Chethoxyrol.**
$C_{31}H_{52}O_3$ M 472.750
Constit. of *Hilsa ilisha.* Plates (EtOAc/MeOH). Mp 82-83°. $[\alpha]_D^{20}$ −53.8° ($CHCl_3$).

(±)-form
Elongated prisms (MeCN). Mp 149-149.5°.

Cook, R.P., *Cholesterol (Chemistry, Biochemistry and Pathology)*, 1958, Academic Press, N.Y. (*rev*)
Keana, J.F.W. *et al*, *Steroids*, 1964, **4**, 457 (*synth*)
Johnson, W.S. *et al*, *Tetrahedron Suppl.*, 1966, No. 8, 541 (*synth*)
Hradec, J., *Prog. Biochem. Pharmacol.*, 1975, **10**, 197 (*carcinolipin*)
Bu'lock, J.D. *et al*, *Phytochemistry*, 1976, **15**, 1249 (*biosynth*)
Rubinstein, I. *et al*, *Phytochemistry*, 1976, **15**, 195 (*pmr*)
Partridge, L.G. *et al*, *J. Org. Chem.*, 1977, **42**, 2799 (*ms*)
Shieh, H.S. *et al*, *Nature (London)*, 1977, **267**, 287 (*cryst struct*)
Org. Synth., Coll. Vol., **4**, 195 (*purifn*)
Myant, N.B., *The Biology of Cholesterol and Related Steroids*, Heinemann, London, 1981 (*book*)
Gibbons, G.F. *et al*, *Biochemistry of Cholesterol*, Elsevier, Amsterdam, 1982 (*book*)
Ohmori, M. *et al*, *Tetrahedron Lett.*, 1982, **23**, 4709 (*synth*)
Haider, S.I. *et al*, *J. Nat. Prod.*, 1987, **50**, 261 (*Chethoxyrol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 140, 141 (*purifn, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6412.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 787.

Cholestyramine resin, USAN C-00307

Colestyramine, INN. *Questran. Cuemid. Divistyramine. Dowex 1-X2-Cl. Holestan. Ipocol. Lismol. MK 325. Quantalan*
[11041-12-6]



$(C_{22}H_{28}N)_x$
Ion-exchange resin (bile salts); antihyperlipoproteinaemic, antipruritic.
▷FZ9310000.

Huff, J.W. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1963, **114**, 352 (*pharmacol*)
Jansen, G.R. *et al*, *J. Pharm. Sci.*, 1965, **54**, 863 (*metab*)
Weizel, A. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1969, **130**, 149.
Casdorph, H.R., *Med. Chem. (Academic)*, 1976, **2**, 221 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1344.

Choline C-00308

*2-Hydroxy-*N,N,N*-trimethylethanaminium,* 9CI. *(2-Hydroxyethyl)trimethylammonium. Bilineurine. Sincalin. Sinkalin. Amanitin. Araquine. Arachine*
[62-49-7]

$Me_3N^{\oplus}CH_2CH_2OH$

$C_5H_{14}NO^{\oplus}$ M 104.172 (ion)
Occurs free and combined in many animal and vegetable prods., e.g. bile, brain, yolk of egg, hops, belladonna, strophanthus, and the seeds, leaves and stems of many other plants. Constit. of Lecithin. Lipotropic agent.
▷FZ9625000.

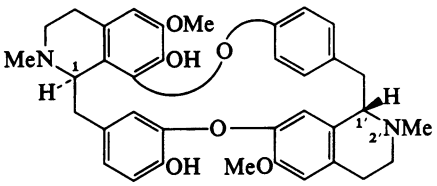
Hydroxide: [123-41-1].
$C_5H_{15}NO_2$ M 121.179
Syrup, cryst. with difficulty. V. sol. H_2O, EtOH, insol. Et_2O. Strong base, absorbs CO_2 air. Forms cryst. addn. compds. with H_2PtCl_6 etc.
▷Exp. carcinogen
Chloride: [67-48-1]. *Choline chloride,* INN.
C_5H_4ClNO M 129.546
Deliquescent cryst.
▷LD_{50} 400 mg/kg (i.p.). KH2975000.
Perchlorate:
$C_5H_{14}ClNO_5$ M 203.622
Cryst. (EtOH). Mp 273°.
O-*Nitrate, perchlorate:* [7009-91-8]. ***Nitricholine perchlorate, INN.*** *Choline perchlorate nitrate.*
$C_{15}H_{13}ClN_2O_7$ M 368.730
Cholinergic agent. Mp 185-186°.
Phosphate (inner salt): Choline hydroxide dihydrogen phosphate inner salt, 8CI.
$C_5H_{14}NO_4P$ M 183.144
Hygroscopic solid without defined Mp or cryst. + $1H_2O$. Mp 234-238° dec. (hydrate).
Sulfate (inner salt): [4858-96-2]. N,N,N-*Trimethyl-2-(sulfooxy)ethanaminium hydroxide inner salt. Choline sulfuric acid (internal salt).*
$C_5H_{13}NO_4S$ M 183.222
Present in *Penicillium* spp., *Aspergillus sydowi, Porphyra umbilicalis, Ptilota pectinata* and *Dermatiscum thunbergii.* Cryst. Mp ca. 300° dec.
O-*(4-Hydroxybenzoyl):* **O-(4-Hydroxybenzoyl)choline.**
$C_{12}H_{18}NO_3^{\oplus}$ M 224.279 (ion)
Alkaloid from *Sinapis alba.*
O-*(3,4-Dimethoxybenzoyl):* **Hesperaline.**
$C_{14}H_{22}NO_4^{\oplus}$ M 268.332 (ion)
Alkaloid from seeds of *Hesperis matronalis* (Cruciferae). Mp 182-183° (as iodide).
O-*Ac: see Acetylcholine(1+), A-00030*
O-*Propanoyl:* **Propionylcholine.**
$C_9H_{20}NO_2^{\oplus}$ M 174.263 (ion)
Isol. from *Viscum album* (Viscaceae).
O-*(4-Hydroxy-3,5-dimethoxybenzoyl): see Sinapine, S-00076*
Salicylate (1:1): see 2-Hydroxybenzoic acid, H-00112
▷*GA6475000.*
Dihydrogen citrate: [77-91-8]. Lipotropic. Granules. Mp 105-107.5°.
Dihydrogen citrate, Fe complex: [1336-80-7]. ***Ferrocholinate, INN.*** *Ferrocholine. Ferrochelate. Chelafer.*
$C_{11}H_{24}FeNO_{11}$ M 402.158
Haematinic. Brown amorph. powder.
▷KH2979000.
Theophylline salt (1:1): [4499-40-5]. *Choline theophyllinate, INN, BAN. Cholinophylline.* ***Oxtriphylline, USAN.*** *Oxytrimethylline.*
$C_{12}H_{21}N_5O_3$ M 283.330
Smooth muscle relaxant, bronchodilator and diuretic.
Granules.*Choline glycerophosphate, INN*
$C_8H_{20}NO_6P$ M 257.223
▷GA7420000.

Renshaw, R.R., *J. Am. Chem. Soc.*, 1910, **32**, 128 (*synth*)
U.S.P., 2 575 611, (*1951*); *CA*, **46**, 1722g (*synth, Ferrocholinate*)
Coates, G.E. *et al*, *J. Chem. Soc.*, 1953, 2519.
Parker, J.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1956, **118**, 359 (*pharmacol, Oxtriphylline*)
Cornacchione, G., *Boll. Chim. Farm.*, 1957, **96**, 335 (*nitricholine perchlorate*)

Roth, F.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1957, **121**, 487 (*pharmacol, Oxtriphylline*)
U.S.P., 2 776 287, (*1957*); *CA*, **51**, 8150 (*synth, Oxtriphylline*)
Harper, S.H. *et al*, *Chem. Ind. (London)*, 1966, 419 (*sulphate*)
Bird, P.R., *J. Chem. Soc. (C)*, 1967, 447 (*phosphate*)
Gmelin, R. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1967, **300**, 176 (*Hesperaline*)
Byrn, S.R. *et al*, *J. Org. Chem.*, 1976, **41**, 2283 (*conformn, ir, cryst struct*)
Jukes, T.H., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1979, **6**, 19 (*rev*)
Zeisel, S.H. *et al*, *Annu. Rev. Nutr.*, 1981, **1**, 195 (*rev*)
Clausen, S. *et al*, *Phytochemistry*, 1982, **21**, 917 (*4-hydroxybenzoylcholine*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 142.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 368 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 631, 5042, 7873, 7874, 7875, 7876.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 788, 789.

Chondocurine C-00309

Tubocurine. Chondrocurine



(+)-*form*

$C_{36}H_{38}N_2O_6$ M 594.706

(+)-*form* [477-58-7]

Alkaloid from the stem and bark of *Chondodendron tomentosum* and from the roots of *Cyclea madagascariensis* (Menispermaceae). Mp 232-234°. $[\alpha]_D^{24}$ +105° (c, 0.9 in Py), $[\alpha]_D^{24}$ +200° (c, 0.5 in 0.1 M HCl); $[\alpha]_D^{18}$ +173° (c, 0.5 in $CHCl_3$).

N-*Me: see Tubocurarine(2+), T-00571*

Di-Me ether; B,2MeI: [7601-55-0]. ***Metocurine iodide, USAN.*** *Metubine iodide.* Skeletal muscle relaxant. Mp 266°. $[\alpha]_D^{24}$ +160° (H_2O).

▷YO3700000.

2'-N-*De-Me:* ***Nor-N^b-chondocurine.***
$C_{35}H_{36}N_2O_6$ M 580.679
Alkaloid from Peruvian curare (Menispermaceae). Cryst. (EtOAc). Mp 159-161°. $[\alpha]_D^{20}$ −242° (c, 0.5 in $CHCl_3$).

N,N'-*Di-Me:* [6880-94-0]. ***Chondocurarine.*** *Chondrocurarine.*
$C_{38}H_{44}N_2O_6^{\oplus\oplus}$ M 624.775 (ion)
Quaternary alkaloid from the stem and bark *C. tomentosum* (Menispermaceae).

N,N'-*Di-Me, dichloride:*
$C_{38}H_{44}Cl_2N_2O_6$ M 695.681
Amorph. $[\alpha]_D^{23}$ +188° (c, 1.08 in H_2O), $[\alpha]_D^{23}$ +195° (c, 0.85 in MeOH).

N,N'-*Di-Me, diiodide:*
$C_{38}H_{44}I_2N_2O_6$ M 878.584
Cryst. + $1CHCl_3$ (MeOH/$CHCl_3$). Mp 277-280° dec. $[\alpha]_D^{23}$ +150° (c, 0.71 in H_2O), $[\alpha]_D^{23}$ +170° (c, 0.5 in MeOH).

(−)-*form*

Alkaloid from the stems of *C. toxicoferum* (Menispermaceae). Pure compd. could not be isol., physical props. could not be determined.

O^{12}-*Me:* [16543-77-4]. ***Hayatidine.***
$C_{37}H_{40}N_2O_6$ M 608.733

Alkaloid from the root and leaves of *Cissampelos pareira* (Menispermaceae). Mp 179-180°. $[\alpha]_D$ −109° (Py).

Dutcher, J.D., *J. Am. Chem. Soc.*, 1946, **68**, 419; 1952, **74**, 2221 (*isol, Chondocurine, Chondocurarine*)
Bick, I.R.C. *et al*, *J. Chem. Soc.*, 1953, 3893 (*struct*)
Bick, I.R.C. *et al*, *J. Chem. Soc.*, 1961, 1896 (*pmr*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1965, 2239 (*ord*)
Boissier, J.R. *et al*, *Lloydia*, 1965, **28**, 191 (*isol*)
Shamma, M. *et al*, *Tetrahedron Lett.*, 1966, 1375 (*synth*)
Bhatnagar, A.K. *et al*, *Experientia*, 1967, **23**, 242 (*Hayatidine*)
Cava, M.P. *et al*, *Phytochemistry*, 1969, **8**, 2341 ((−)-Tubocurine)
Everett, A.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1970, 1020 (*struct*)
Baldas, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 599 (*ms*)
Sobell, H.M. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1972, **69**, 2212 (*cryst struct*)
Hughes, R. *et al*, *Br. J. Anaesth.*, 1976, **48**, 969 (*Metocurine, pharmacol*)
Koike, L. *et al*, *J. Org. Chem.*, 1981, **46**, 2385 (*cmr*)
Lemli, J. *et al*, *Planta Med.*, 1985, 68 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5726.

Chromic chloride C-00310

Chromium(3+) chloride. Chrometrace

[10025-73-7]

$CrCl_3$

Cl_3Cr M 158.355

Supplement (trace mineral). Hexagonal violet scales. Insol. H_2O. Mp 1152°. $^{51}CrCl_3$ used as radioactive agent (labelling of erythrocytes). Hexahydrates exist in many isomeric forms.

▷GB5425000.

Inorg. Synth., 1946, **2**, 193.
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 1480 (*synth*)
Prasad, A.S., *Trace Elements and Iron in Human Metabolism*, John Wiley, Chichester, 1978.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5854, 12560.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 911.

Chromic phosphate C-00311

[7789-04-0]

$CrPO_4$

CrO_4P M 146.967

Grey-brown cryst. Mp >1800°. Heating above 1000° causes change in cryst. form to blue-black cryst. $^{51}CrPO_4$ and $Cr^{32}PO_4$ used as radioactive agents.

▷GB6840000.

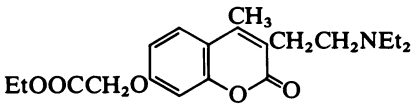
Hexahydrate: Violet cryst. Insol. H_2O.

Ness, A.T. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 4685 (*synth*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 1508 (*synth*)

Chromonar C-00312

[[3-(2-Diethylamino)ethyl]-4-methyl-2-oxo-2H-1-benzopyran-7-yl]oxyacetic acid ethyl ester, 9CI. ***Carbocromen, INN.*** *NSC 110430. Other proprietary names*

[804-10-4]



$C_{20}H_{27}NO_5$ M 361.437

Coronary vasodilator.

▷AG9495000.

B,HCl: [655-35-6]. *Chromonar hydrochloride, USAN. Carbocromen hydrochloride, JAN. Intensatin. Intensain.* Mp 159-160°.

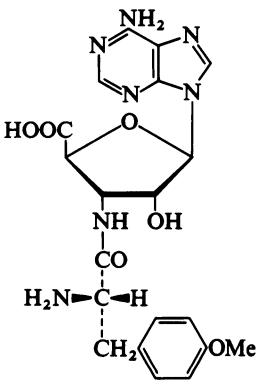
▷AG9500000.

Belg. Pat., 621 327, (*1963*); *CA*, **59**, 11438 (*synth, pharmacol*)
Nitz, R.E. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 243 (*pharmacol*)
Schraven, E. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 479 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5875 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9218.

Chryscandin C-00313

Antibiotic FR 48736. Antibiotic WF 4629. FR 48736. WF 4629

[86936-90-5]



$C_{20}H_{23}N_7O_6$ M 457.445

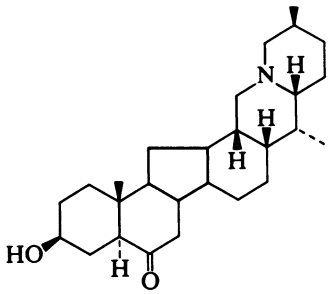
Nucleoside antibiotic. Isol. from *Chrysosporium pannorum*. Antifungal agent.

B,2HCl: [86936-92-7]. Needles + $1H_2O$ (0.1*M* HCl). Mp 215-233° dec. $[\alpha]_D^{22}$ +34° (c, 1 in 1*M* HCl).

Yamashita, M. *et al*, *J. Antibiot.*, 1984, **37**, 1279, 1284; *Tetrahedron Lett.*, 1984, **25**, 4689 (*isol, ir, pmr, props, synth*)
Komori, T. *et al*, *J. Antibiot.*, 1985, **38**, 1182 (*synth, props*)

Chuanbeinone C-00314

[103530-47-8]



$C_{27}H_{43}NO_2$ M 413.642

Alkaloid from the Chinese herbal drug "chuan-bei-mu" (from some subsp. of *Fritillaria delavayi*) (Liliaceae). Needles (MeOH). Mp 149-152°. $[\alpha]_D$ −62.4° (c, 0.5 in $CHCl_3$).

B,HI: Mp 303-306°.

Kaneko, K. *et al*, *Tetrahedron Lett.*, 1986, **27**, 2387 (*ir, pmr, cmr, ms, cd, cryst struct*)

Chymopapain, BAN, INN, USAN C-00315

Chymodiacetin. Discase. NSC 107079. BAX 1526

[9001-09-6]

MW ~ 27000. Isol. from *Carica papaya*. Proteolytic enzyme. Injections into vertebral discs are used to treat sciatica and lumbar pain.

Jansen, E.F. *et al*, *J. Biol. Chem.*, 1941, **137**, 459 (*isol*)
Ebata, M. *et al*, *J. Biol. Chem.*, 1962, **237**, 1086 (*isol, cryst*)
Kunimitsu, D.K. *et al*, *Methods Enzymol.*, 1970, **19**, 244 (*rev*)
Brocklehurst, K. *et al*, *Biochem. J.*, 1985, **228**, 525, 527; 1986, **233**, 119 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3708.

Chymotrypsin, BAN, INN, 9CI C-00316

EC 3.4.21.1. Chymar-Zan. Chymar

[9004-07-3]

M ~25,000 (α-form)

A serine endopeptidase stored as zymogen in granules of pancreatic β-cells of mammals. Catalyses the hydrol. of amide (and ester) bonds of peptides and proteins, particularly those adjacent to the carbonyl group of hydrophobic L-amino acids. Inhibitors: natural; chymostatin, α-chymotrypsin inhibitor, soybean trypsin inhibitor. Synthetic; diisopropylfluorophosphate, chloromethyl ketones e.g. Tos-Phe CH_2Cl. pI 8.6. Optimum activity at pH 7.5.

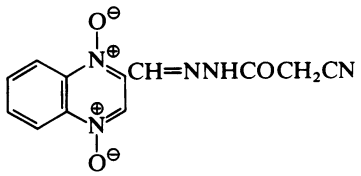
▷GC3050000.

Wilcox, P.E., *Methods Enzymol.*, 1970, **19**, 64 (*rev*)
Blow, D.M., *The Enzymes*, (*Boyer, P.D., Ed.*), 1971, 3rd Ed., Academic Press, New York, **3**, 185 (*struct*)
Hess, G.P., *The Enzymes*, (*Boyer, P.D., Ed.*), 1971, 3rd Ed., Academic Press, N.Y., 213 (*props*)
Tomlinson, G. *et al*, *Methods Enzymol.*, 1974, **34**, 415 (*rev*)
Oka, T. *et al*, *J. Biochem.*, 1978, **84**, 1277 (*synth*)
Markley, J.L. *et al*, *Dev. Biochem.*, 1980, **10**, 31 (*rev*)
Naray-Szabo, G. *et al*, *Chem. Phys. Lett.*, 1983, **96**, 499 (*conformn*)
Tsukada, H. *et al*, *J. Mol. Biol.*, 1985, **184**, 703 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3709.

Ciadox, INN **C-00317**

Cyanoacetic acid (2-quinoxalinylmethylene)hydrazide N,N'-dioxide, 9CI. 2-Formylquinoxaline 1,4-dioxide cyanoacetyl hydrazone. Cyadox. VUFB 11502

[65884-46-0]



$C_{12}H_9N_5O_3$ M 271.235

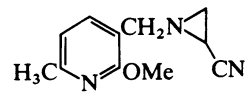
Antibacterial agent, growth promoter (veterinary). Yellow cryst. (DMF). Mp 255-260° dec.

▷AG4398000.

Ger. Pat., 2 829 580, (*1979*); *CA*, **90**, 186997s (*synth, activity*)
Broz, J. *et al*, *CA*, 1980, **93**, 131180b; **94**, 101855d (*activity*)

Ciamexon, BAN, INN **C-00318**

1-[(2-Methoxy-6-methyl-3-pyridinyl)methyl]-2-aziridinecarbonitrile, 9CI. BM 41332



$C_{11}H_{13}N_3O$ M 203.243

(±)-*form* [75985-31-8]

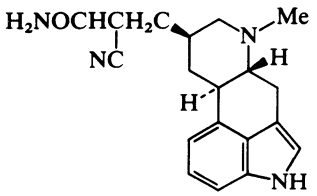
Immunoregulator, antineoplastic agent. Cryst. (2-propanol). Mp 70-73°.

B.P., 2 026 863, (*1980*); *CA*, **94**, 208691 (*synth, pharmacol*)
Bicker, U.F., *Immunol. Ser.*, 1984, **25**, 447 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18965.

Cianergoline, INN **C-00319**

α-Cyano-6-methylergoline-8-propanamide, 9CI

[74627-35-3]



$C_{19}H_{22}N_4O$ M 322.409

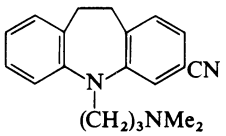
Antihypertensive agent. Cryst. (MeOH). Mp 248-250°.

Bernardi, L. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1094, 1098 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18966.

Cianopramine, INN **C-00320**

5-[3-(Dimethylamino)propyl]-10,11-dihydro-5H-dibenz[b,f]azepine-3-carbonitrile, 9CI. 3-Cyano-5-(3-dimethylaminopropyl)-10,11-dihydro-5H-dibenz[b,f]-azepine. Ro 11-2465

[66834-24-0]



$C_{20}H_{23}N_3$ M 305.422

Antidepressant, inhibits serotonin uptake.

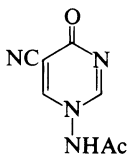
B,HCl: [66834-20-6]. Cryst. (Et_2O). Mp 200-202°.

B.P., 1 583 590, (*1978*); *CA*, **89**, 109148t (*synth, pharmacol*)
Keller, H.H. *et al*, *Adv. Biochem. Psychopharmacol.*, 1980, **24**, 175 (*pharmacol*)
Haefelfinger, P., *J. Chromatogr.*, 1982, **233**, 269 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18967.

Ciapilome, INN **C-00321**

N-(5-Cyano-4-oxo-1(4H)-pyrimidinyl)acetamide, 9CI. 1-Acetamido-5-cyano-4(1H)-pyrimidinone. 1-Acetamido-4-oxo-1H-pyrimidine-5-carbonitrile

[53131-74-1]



$C_7H_6N_4O_2$ M 178.150

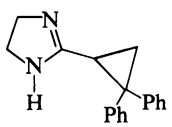
Drug used for treatment of gout, xanthine oxidase inhibitor. Mp 320° dec.

Ger. Pat., 2 344 757, (*1974*); *CA*, **81**, 13552d (*synth, pharmacol*)

Cibenzoline, USAN, INN **C-00322**

*2-(2,2-Diphenylcyclopropyl)-4,5-dihydro-1H-imidazole, 9CI. **Cifenline, USAN***

[53267-01-9]



$C_{18}H_{18}N_2$ M 262.354

(±)-*form*

Cardiac depressant, antiarrhythmic agent. Mp 103-104°.

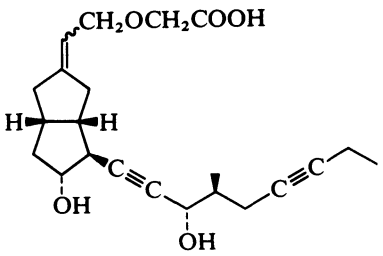
Succinate: [57625-97-5]. *Cibenzoline succinate, BAN. Cifenline succinate, USAN. Cipralan. Ritmalan. Ro 22-7796. UP 339-01.*

Belg. Pat., 807 629, (*1974*); *CA*, **81**, 77927n (*synth, pharmacol*)
Herpin, D. *et al*, *Curr. Ther. Res.*, 1981, **30**, 1981 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15315.

Cicaprost, INN **C-00323**

[2-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1,6-nonadiynyl)-2(1H)-pentalenylidene]ethoxy]acetic acid, 9CI. ZK 96480

[94079-80-8]



$C_{22}H_{30}O_5$ M 374.476

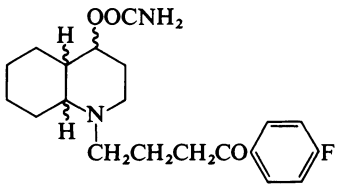
Prostaglandin. Viscous oil. $[\alpha]_D^{22}$ +138.25° (c, 1.025 in $CHCl_3$).

Hildebrand, M., *Prostaglandins*, 1986, **32**, 425 (*metab*)
Skuballa, W. *et al*, *J. Med. Chem.*, 1986, **29**, 313 (*synth, pharmacol*)
Stuerzbecher, C.S. *et al*, *Prostaglandins*, 1986, **31**, 95 (*pharmacol*)
Stuerzbecher, C.S. *et al*, *Prog. Clin. Biol. Res.*, 1987, **242**, 425 (*pharmacol*)
Takahashi, A. *et al*, *J. Org. Chem.*, 1988, **53**, 1227 (*synth*)

Cicarperone, INN **C-00324**

4-[4-[(Aminocarbonyl)oxy]octahydro-1(2H)-quinolinyl]-1-(4-fluorophenyl)-1-butanone, 9CI. Fluoro-4-(octahydro-4-hydroxy-1(2H)-quinolyl)butyrophenone carbamate

[54063-29-5]



$C_{20}H_{27}FN_2O_3$ M 362.443

Antiarrhythmic, antidiarrhoeal agent. Cryst. (EtOAc). Mp 110°.

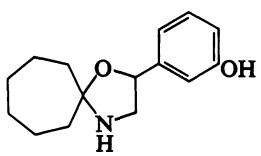
B,HCl: [50656-93-4]. *L7810.* Mp 252-254°.

Ger. Pat., 2 257 397, (*1971*); *CA*, **79**, 42372j (*synth, tlc*)
Bagwell, E.E. *et al*, *Br. J. Pharmacol.*, 1973, **48**, 183 (*pharmacol*)

Ciclafrine, INN **C-00325**

3-(1-Oxa-4-azaspiro[4.6]undec-2-yl)phenol, 9CI. 2-(3-Hydroxyphenyl)-1-oxa-4-azaspiro[4.6]undecane

[55694-98-9]



$C_{15}H_{21}NO_2$ M 247.336

Cryst. (2-propanol). Mp 175-176°.

(±)-*form*

Antihypertensive agent. Used mainly as hydrochloride.

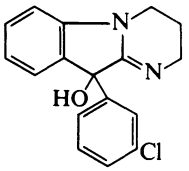
B,HCl: [51222-36-7]. *Ciclafrine hydrochloride, USAN. Go 3026A. W 43026A.* Cryst. (2-propanol). Mp 162-164°.

Ger. Pat., 2 336 746, (*1975*); *CA*, **83**, 10047 (*synth, pharmacol*)

Ciclazindol, BAN, INN **C-00326**

10-(3-Chlorophenyl)-2,3,4,10-tetrahydropyrimido[1,2-a]indol-10-ol, 9CI

[37751-39-6]



$C_{17}H_{15}ClN_2O$ M 298.771

Antidepressant. Off-white rhombs. Mp 190-192°. Used mainly as hydrochloride.

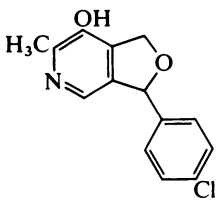
B,HCl: [37647-52-2]. *Wy 23409.* Needles. Mp 275-278°.

Ger. Pat., 2 200 584, (*1972*); *CA*, **77**, 126681f (*synth*)
Swaisland, A.J. *et al*, *Br. J. Clin. Pharmacol.*, 1975, **2**, 473; 1976, **4**, 61; 1979, **7**, 120 (*pharmacol, metab*)
U.S.P., 3 976 645, (*1976*); *CA*, **86**, 29866y
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12564.

Cicletanine, INN **C-00327**

3-(4-Chlorophenyl)-1,3-dihydro-6-methylfuro[3,4-c]-pyridin-7-ol, 9CI. Cycletanide. Tenstatin. BN 1270

[92134-72-0]



$C_{14}H_{12}ClNO_2$ M 261.707

(±)-*form* [89943-82-8]

Diuretic and antihypertensive agent.

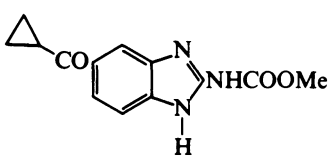
B,HCl: Cryst. Mp 219-228°.

Belg. Pat., 891 797, (*1982*); *CA*, **97**, 127623 (*synth, pharmacol*)
Cuisinaud, G. *et al*, *J. Chromatogr.*, 1985, **341**, 97 (*hplc*)
Guinot, P. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1714 (*pharmacol*)
Jouve, R. *et al*, *J. Cardiovasc. Pharmacol.*, 1986, **8**, 208 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2843.

Ciclobendazole, BAN, INN **C-00328**

[5-(Cyclopropylcarbonyl)-1H-benzimidazol-2-yl]-carbamic acid methyl ester, 9CI. ***Cyclobendazole, USAN.*** *Haptocil. C-C 2481. R 17147*

[31431-43-3]



$C_{13}H_{13}N_3O_3$ M 259.264

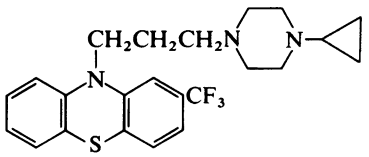
Anthelmintic. Cryst. (AcOH). Mp 250.5°.

Brodie, R.R. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 593 (*props*)
Mayo, B.C. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 518 (*metab*)
Raeymaekers, A.M.H. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 586 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12565.

Ciclofenazine, INN **C-00329**

10-[3-(4-Cyclopropyl-1-piperazinyl)propyl]-2-(trifluoromethyl)-10H-phenothiazine, 9CI. Cyclophenazine. Lilly 60284

[17692-26-1]



$C_{23}H_{26}F_3N_3S$ M 433.534

Tranquilliser, antipsychotic agent.

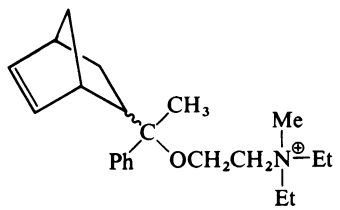
B,2HCl: [15686-74-5]. *Cyclophenazine hydrochloride, USAN.* Mp 210-215°.

U.S.P., 3 342 816, (*1967*); *CA*, **68**, 59597g (*synth, pharmacol*)

Despopoulos, A., *Biochem. Pharmacol.*, 1970, **19**, 2907 (*props*)

Ciclonium(1+) **C-00330**

2-(1-Bicyclo[2.2.1]hept-5-en-2-yl-1-phenylethoxy)-N,N-diethy-N-methylethanaminium, 9CI. Diethylmethyl[2-[(α-methyl-α-5-norbornen-2-ylbenzyl)oxy]ethyl]ammonium



$C_{22}H_{34}NO^{\oplus}$ M 328.517 (ion)

Anticholinergic, spasmolytic agent.

Bromide: [29546-59-6]. *Ciclonium bromide, INN. Adamon. Asta 3746.*

$C_{22}H_{34}BrNO$ M 408.421

Cryst. (Me_2CO/EtOH). Mp 167-168°.

▷BP8076000.

Brock, N. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1005 (*pharmacol, tox*)

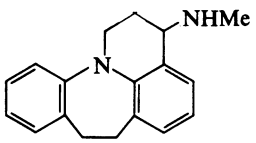
B.P., 1 240 943, (*1969*); *CA*, **73**, 76844f (*synth, pharmacol*)

Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*props, uv*)

Ciclopramine, INN **C-00331**

2,3,7,8-Tetrahydro-3-(methylamino)-1H-quino[1,8-ab][1]benzazepine, 8CI

[33545-56-1]



$C_{18}H_{20}N_2$ M 264.369

(±)-form

Neuroleptic agent, antidepressant. Oil. $Bp_{0.01}$ 155-160°.

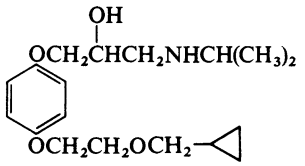
Fumarate: [33642-70-5]. Cryst. (DMF). Mp 184-186°.

Ger. Pat., 2 004 818, (*1971*); *CA*, **75**, 118245k (*synth, pharmacol*)

Cicloprolol, INN **C-00332**

1-[4-[2-[(Cyclopropylmethyl)thio]ethoxy]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, 9CI. ***Cicloprolol, BAN.*** *SL 75177*

[63659-12-1]



$C_{18}H_{29}NO_4$ M 323.431

(±)-form

β-Adrenergic blocker, antihypertensive agent. Cryst. Mp <45°.

B,HCl: [63686-79-3]. *Cicloprolol hydrochloride, USAN.* Cryst. (EtOH/Et_2O). Mp 86°.

▷UA9822000.

Ger. Pat., 2 649 605, (*1977*); *CA*, **87**, 134543j (*synth, pharmacol*)

Grilliat, J.P. *et al*, *Therapie*, 1987, **42**, 519 (*pharmacol*)

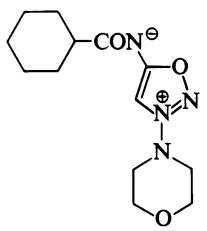
Hicks, P.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **242**, 1025 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18624.

Ciclosidomine, BAN, INN **C-00333**

N-(Cyclohexylcarbonyl)-3-(4-morpholinyl)sydnone imine, 9CI. N-(*Cyclohexylcarbonyl*)-*3-morpholinosydnone imine. Cyclosidimine. Neopres. PR-G 138-Cl*

[66564-16-7]



$C_{13}H_{20}N_4O_3$ M 280.326

Antihypertensive agent.

B,HCl: [26209-07-4]. Mp 187° dec.

Fr. Pat., 1 551 013, (*1968*); *CA*, **72**, 12732q (*synth, hydrochloride*)

Can. Pat., 945 990, (*1974*); *CA*, **82**, 86289d

Shanks, R.G. *et al*, *Br. J. Clin. Pharmacol.*, 1984, **18**, 232 (*pharmacol*)

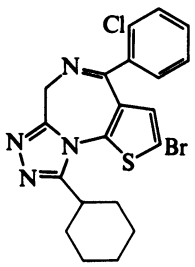
Matteo, M.R. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 329 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12567.

Ciclotizolam, BAN, INN **C-00334**

2-Bromo-4-(2-chlorophenyl)-9-cyclohexyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine, 9CI. We 973BS

[58765-21-2]



$C_{20}H_{18}BrClN_4S$ M 461.806

Anxiolytic drug. Cryst. (EtOH). Mp 180-181°.

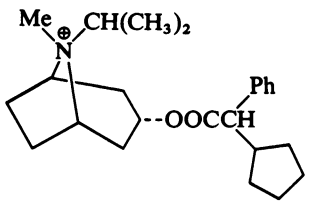
Weber, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1978, 1257 (*synth*)

Weber, K.H. *et al*, *Eur. J. Pharmacol.*, 1985, **109**, 19 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12568.

Ciclotropium(1+) **C-00335**

3-[(Cyclopentylphenylacetyl)oxy]-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane, 9CI. 3α-Hydroxy-8-isopropyl-1αH,5αH-tropanium α-phenylcyclopentaneacetate



$C_{24}H_{36}NO_2^{\oplus}$ M 370.554 (ion)

(endo,syn)-form

Anticholinergic, spasmolytic agent.

Bromide: [85166-20-7]. *Ciclotropium bromide, INN.* $C_{24}H_{36}BrNO_2$ M 450.458

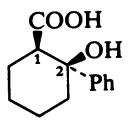
Cryst. (EtOH/pet. ether). Mp 252-254°. Known also in opt. active forms.

Ger. Pat., 2 026 661, (*1971*); *CA*, **76**, 141127c (*synth, isomers*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3428.

Cicloxilic acid, INN **C-00336**

2-Hydroxy-2-phenylcyclohexanecarboxylic acid, 9CI. Plecton. Sintiabil



(*1RS,2SR*)-*form*

$C_{13}H_{16}O_3$ M 220.268

(1RS,2SR)-form [57808-63-6]

(±)-cis-*form*

Choleretic agent; used to treat liver disorders. Mp 145-147°.

Ger. Pat., 2 427 290, (*1975*); *CA*, **84**, 43643p (*synth*)

Bramanti, G. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1205 (*props, pharmacol, config, pmr, ir*)

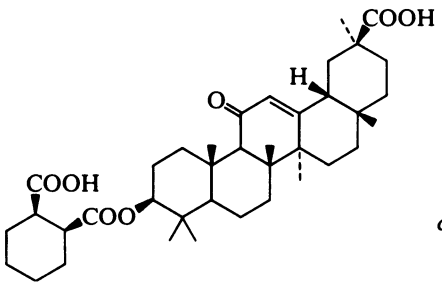
De Angelis, L., *Drugs of Today*, 1979, **15**, 163 (*rev*)

Subissi, A. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1310 (*activity*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12569.

Cicloxolone, BAN, INN **C-00337**

3-[[(2-Carboxycyclohexyl)carbonyl]oxy]-11-oxoolean-12-en-29-oic acid, 9CI. Mono-(3-glycyrrhetyl)-cyclohexane-1,2-dicarboxylic acid



cis-form

$C_{38}H_{56}O_7$ M 624.856

cis-form [52247-86-6]

Used in treatment of gastric ulcers. Mp 288-290°. $[\alpha]_D^{24}$ +118° (c, 0.02 in $CHCl_3$).

Di-Na salt: [52048-39-2]. *Cicloxolone disodium. Viroxolone. BX 363A.* $[\alpha]_D^{24}$ +124° (c, 0.02 in MeOH).

trans-form

Mp 299-300°. $[\alpha]_D^{24}$ +115° (c, 0.02 in $CHCl_3$).

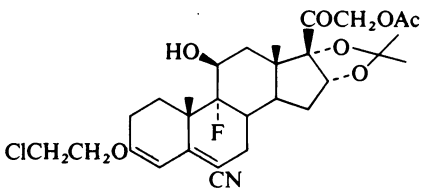
Ger. Pat., 2 344 510, (*1974*); *CA*, **80**, 146383 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1980.

Cicortonide, INN **C-00338**

3-(2-Chloroethoxy)-9-fluoro-11β,16α,17,21-tetrahydroxy-20-oxopregna-3,5-diene-6-carbonitrile cyclic 16,17-acetal with acetone, 8CI

[19705-61-4]



$C_{29}H_{37}ClFNO_7$ M 566.065

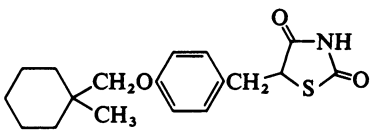
Glucocorticoid. Antiinflammatory agent. Mp 213-215°.

B.P., 1 110 090, (*1968*); *CA*, **69**, 87371t (*synth, pharmacol, uv*)

Ciglitazone, USAN, INN **C-00339**

5-[[4-[(1-Methylcyclohexyl)methoxy]phenyl]methyl]-2,4-thiazolidinedione, 9CI. ADD-3878. U-63287

[74772-77-3]



$C_{18}H_{23}NO_3S$ M 333.445

(R)-form [96207-25-9]

Plates (EtOH aq.). Mp 126-127°. $[\alpha]_D^{20}$ +120° (c, 1.13 in $CHCl_3$).

(±)-*form*

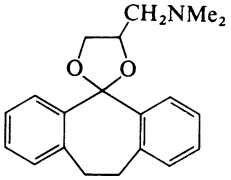
Antidiabetic agent. Mp 130-131°.

Sohda, T. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3580, 3601; 1984, **32**, 4460 (*synth, ir, nmr, pharmacol, resoln, tox*)

Ciheptolane, INN C-00340

10,11-Dihydro-N,N-dimethylspiro[5H-dibenzo[a,d]-cycloheptene-5,2'-[1,3]dioxolane]-4'-methylamine, 8CI

[34753-46-3]



$C_{20}H_{23}NO_2$ M 309.407

Analgesic, antihypertensive agent.

(±)-form

Mp 72°.

Maleate: [54096-77-4]. Mp 130°.

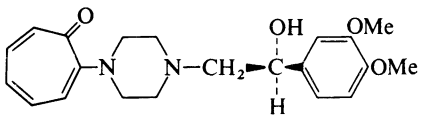
Ger. Pat., 2 117 358, (*1971*); *CA*, **76**, 34231k (*synth, pharmacol, tox*)

Raynaud, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 281, 286 (*synth, pharmacol*)

Ciladopa, INN C-00341

2-[4-[2-(3,4-Dimethoxyphenyl)-2-hydroxyethyl]-1-piperazinyl]-2,4,6-cycloheptatrien-1-one. 2-[4-(β-Hydroxy-3,4-dimethoxyphenethyl)-1-piperazinyl]-cycloheptatrienone

[80101-33-3]



$C_{21}H_{26}N_2O_4$ M 370.447

(*S*)-form [80109-27-9]

Dopamine agonist, antiparkinsonian agent. Cryst. ($CHCl_3$/hexane). Mp 122-124°. $[\alpha]_D^{25}$ −12.0° (c, 1 in DMF).

B,HCl: [83529-09-3]. *Ciladopa hydrochloride, USAN. Tremerase. AY-27110.* Cryst. (MeOH/Et_2O). Mp 194-200°. $[\alpha]_D^{25}$ +10.7° (c, 1 in DMF).

(±)-form [99493-23-9]

Cryst. (MeOH/Et_2O). Mp 122-124°.

Eur. Pat., 34 894, (*1981*); *CA*, **96**, 6760b (*synth, pharmacol*)

Ahmed, F.R. *et al*, *Can. J. Chem.*, 1982, **60**, 2687 (*cryst struct, abs config*)

Voith, K., *Drug. Dev. Res.*, 1984, **4**, 391 (*pharmacol*)

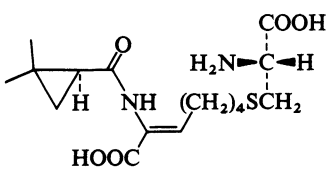
Bagli, J. *et al*, *J. Med. Chem.*, 1986, **29**, 186 (*synth, resoln, pharmacol*)

Koller, W.C. *et al*, *Neuropharmacology*, 1986, **25**, 973 (*pharmacol*)

Cilastatin, BAN, INN C-00342

7-[(2-Amino-2-carboxyethyl)thio]-2-[[(2,2-dimethylcyclopropyl)carbonyl]amino]-2-heptenoic acid, 9CI. [6-Carboxy-6-(2,2-dimethylcyclopropanecarboxamido)-5-hexenyl]cysteine

[82009-34-5]



$C_{16}H_{26}N_2O_5S$ M 358.452

Dehydropeptidase inhibitor.

Na salt: [81129-83-1]. *Cilastatin sodium, USAN. MK 791.* Cryst. (MeCN). Commonly used in mixt. with Imipenem. Component of MK 797, Primaxin, Tienam and Zienam.

Eur. Pat., 72 014, (*1983*); *CA*, **99**, 70272h (*synth, pharmacol*)

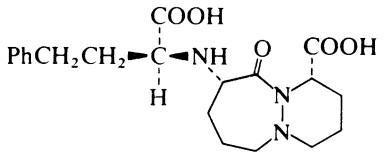
Kahan, F.M. *et al*, *J. Antimicrob. Chemother., Suppl. D*, 1983, **12**, 1 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16578.

Cilazaprilat, BAN, INN, USAN C-00343

9-[(1-Carboxy-3-phenylpropyl)amino]octahydro-10-oxo-6H-pyridazino[1,2-a][1,2]diazepine-1-carboxylic acid, 9CI. Ro 31-3113

[90139-06-3]



Absolute configuration

$C_{20}H_{27}N_3O_5$ M 389.450

Antihypertensive agent (angiotensin-converting enzyme inhibitor). Cryst. (H_2O). Mp 242°. $[\alpha]_D^{20}$ −74.7° (c, 0.5 in 1*M* NaOH).

1'-Et ester: [88768-40-5]. *9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-a][1,2]diazepine-1-carboxylic acid, 9CI. Ro 31-2848. **Cilazapril, BAN, INN, USAN.***

$C_{22}H_{31}N_3O_5$ M 417.504

Cryst. + 1H_2O (EtOH aq.). Mp 95-97° (as monohydrate). $[\alpha]_D^{20}$ −62.51° (c, 1 in EtOH).

1'-Et ester; B,HCl: [88824-78-6]. $[\alpha]_D$ −69.1° (H_2O).

Ger. Pat., 3 317 290, (*1983*); *CA*, **100**, 139158j (*synth, pharmacol*)

Attwood, M.R. *et al*, *FEBS Lett.*, 1984, **165**, 201 (*pharmacol*)

Natoff, I.L. *et al*, *J. Cardiovasc. Pharmacol.*, 1985, **7**, 569 (*pharmacol*)

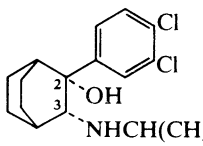
Attwood, M.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 1011 (*synth, deriv*)

Tanaka, H. *et al*, *J. Pharm. Sci.*, 1987, **76**, 224 (*anal*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18620.

Cilobamine, INN C-00344

2-(3,4-Dichlorophenyl)-3-[(1-methylethyl)amino]-bicyclo[2.2.2]octan-2-ol, 9CI



(2*R*,3*R*)-form

$C_{17}H_{23}Cl_2NO$ M 328.281

(2*R*,3*R*)-form [69429-84-1]

Antidepressant. Mp 133-136°.

B,MeSO$_3$H: [69429-85-2]. *Cilobamine mesylate, USAN. Clobamine mesylate. RMI 81182 EF.*

Maleate: Cryst. (2-propanol). Mp 197-199°.

Ger. Pat., 2 003 744, (*1970*); *CA*, **74**, 3366n (*synth*)

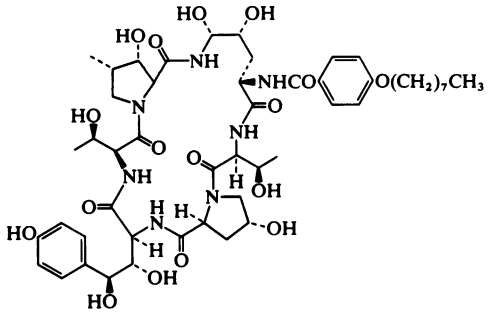
Leeson, G.A. *et al*, *Fundam. Appl. Toxicol.*, 1984, **4**, 261 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12580.

Cilofungin, INN **C-00345**

1-[4,5-Dihydroxy-N²-[4-(octyloxy)benzoyl]-L-ornithine]echinocandin B, *9CI. LY 121019*

[79404-91-4]



$C_{49}H_{71}N_7O_{17}$ M 1030.137

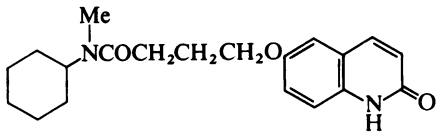
Semisynthetic antifungal antibiotic.

B.P., 2 065 131, (*1981*); *CA*, **96**, 123308w (*synth, activity*)
Eur. Pat., 31 220, (*1981*); *CA*, **96**, 67251h (*synth, activity*)
Gordee, R.S. *et al*, *J. Antibiot.*, 1984, **37**, 1054 (*activity, toxicol*)

Cilostamide, INN **C-00346**

N-Cyclohexyl-4-[(1,2-dihydro-2-oxo-6-quinolyl)oxy]-N-methylbutanamide, 9CI. OPC-3689

[68550-75-4]



$C_{20}H_{26}N_2O_3$ M 342.437

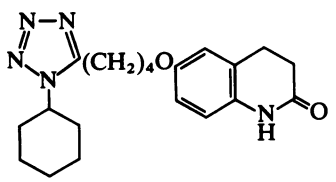
Phosphodiesterase inhibitor, platelet-aggregation inhibitor. Mp 186-188°.

Hidaka, H. *et al*, *J. Pharmacol. Exp. Ther.*, 1979, **211**, 26 (*pharmacol*)
Nishi, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 852 (*synth, pharmacol, ir, nmr*)

Cilostazol, INN **C-00347**

6-[4-(1-Cyclohexyl-1H-tetrazol-5-yl)butoxy]-3,4-dihydro-2(1H)-quinolinone, 9CI. OPC 13013

[73963-72-1]



$C_{20}H_{27}N_5O_2$ M 369.466

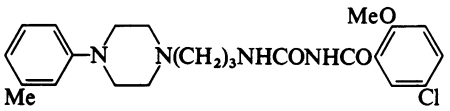
Antithrombotic. Cerebral vasodilator. Needles (MeOH aq.). Mp 158-159°.

Nishi, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 1151 (*synth, pharmacol*)
Akiyama, H. *et al*, *J. Chromatogr.*, 1985, **338**, 456 (*hplc*)
Shimizu, T. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1117, 1144, 1149, 1154, 1163, 1173 (*pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1981.

Ciltoprazine, INN **C-00348**

5-Chloro-2-methoxy-N-[[[3-[4-(3-methylphenyl)-1-piperazinyl]propyl]amino]carbonyl]benzamide, 9CI. (5-Chloro-2-methoxybenzoyl)-3-[3-(4-m-tolyl-1-piperazinyl)propyl]urea

[54063-30-8]



$C_{23}H_{29}ClN_4O_3$ M 444.960

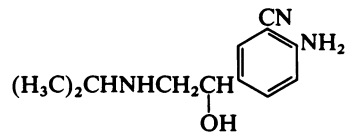
Muscle relaxant.

B,HCl: [39894-02-5]. Mp 189-190°.

Ger. Pat., 2 131 034, (*1973*); *CA*, **78**, 84446w (*synth, pharmacol*)

Cimaterol, USAN, INN **C-00349**

2-Amino-5-[1-hydroxy-2-[(1-methylethyl)amino]ethyl]benzonitrile, 9CI. 5-[1-Hydroxy-2-(isopropylamino)ethyl]anthranilonitrile



$C_{12}H_{17}N_3O$ M 219.286

(±)-form [54239-37-1]

AC 263780. CL 263780

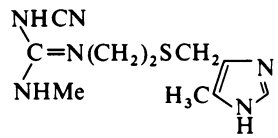
Repartitioning agent, β-agonist. Mp 159-161°.

Ger. Pat., 2 261 914, (*1974*); *CA*, **81**, 104982k (*synth, pharmacol*)
Asato, G. *et al*, *Agric. Biol. Chem*, 1984, **48**, 2883 (*synth, activity*)
Engelhardt, G., *Arzneim.-Forsch.*, 1984, **34**, 1625 (*pharmacol*)
Moser, R.L. *et al*, *J. Anim. Sci.*, 1986, **62**, 21 (*activity*)

Cimetidine, BAN, USAN, INN **C-00350**

N-Cyano-N′-methyl-N″-[2-[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine, 9CI. Tagamet. SKF 92334. Numerous proprietary names

[51481-61-9]



$C_{10}H_{16}N_6S$ M 252.337

Histamine H_2-receptor antagonist, used to treat peptic ulcers. Mp 141-143°.

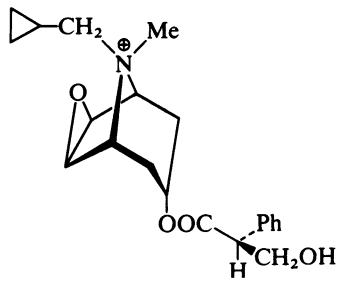
▷MF0035500.

Brimblecombe, R.W. *et al*, *Br. J. Pharmacol.*, 1975, **53**, 435 (*pharmacol*)
Durant, G.J. *et al*, *J. Med. Chem.*, 1977, **20**, 901 (*synth*)
Brogden, R.N. *et al*, *Drugs*, 1978, **15**, 93 (*rev*)
Freston, J.W., *Ann. Intern. Med.*, 1982, **97**, 573 (*rev, pharmacol*)
Wiseman, E.H. *et al*, *Chron. Drug Discovery*, 1982, **1**, 173 (*history, rev*)
Shibata, M. *et al*, *J. Pharm. Sci.*, 1983, **72**, 1436 (*cryst struct*)
Sorkin, E.M. *et al*, *Drug Intell. Clin. Pharm.*, 1983, **17**, 110 (*drug interactions*)
Bavin, P.M.G. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 127 (*rev*)
Brimblecombe, R.W. *et al*, *Hum. Toxicol.*, 1985, **4**, 13 (*rev, tox*)
Gerber, M.C., *Pharmacol. Ther.*, 1985, **27**, 353 (*drug interactions*)
Hegedus, B. *et al*, *J. Pharm. Biomed. Anal.*, 1985, **3**, 303 (*polymorphism*)

Sastry, M.K. *et al*, *Hind. Antibiot. Bull.*, 1985, **27**, 16 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1721 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6117.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2496.

Cimetropium(1+) C-00351

9-(Cyclopropylmethyl)-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, *9CI*. N-(*Cyclobutylmethyl*)*scopolamine*



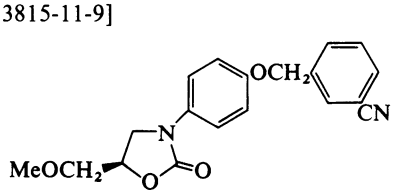
$C_{21}H_{28}NO_4^{\oplus}$ M 358.457 (ion)
Anticholinergic, spasmolytic agent.

Bromide: [51598-60-8]. *Cimetropium bromide*, *INN*. *Alginor. DA 3177.*
$C_{21}H_{28}BrNO_4$ M 438.361
Cryst. (MeCN). Mp 174°. $[\alpha]_D^{20}$ −18.3° (c, 3 in H_2O).

Ger. Pat., 2 316 728 (*1973*); *CA*, **80**, 15101 (*synth*)
Giuseppetti, G. *et al*, *Farmaco, Ed. Sci.*, 1980, **35**, 231, 913 (*cryst struct, conformn*)
Scarpignato, C. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1985, **5**, 467 (*rev, pharmacol*)
Schiavone, A. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 796 (*pharmacol*)
Imbimbo, B.P. *et al*, *J. Pharm. Sci.*, 1986, **75**, 680 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1702.

Cimoxatone, INN C-00352

3-[[4-[5-(Methoxymethyl)-2-oxo-3-oxazolidinyl]phenoxy]methyl]benzonitrile, *9CI*. α-[*4-(5-Methoxymethyl)-2-oxo-3-oxazolidinyl*]*phenoxy*]-m-*tolunitrile*. *MD 780515*
[73815-11-9]



(*R*)-*form*

$C_{19}H_{18}N_2O_4$ M 338.362
▷DI4710000.

(*R*)-*form* [73422-39-6]
Mp 83°. $[\alpha]_D^{20}$ −39.7° (c, 1 in CH_2Cl_2).

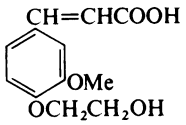
(*S*)-*form* [73422-40-9]
Mp 84°. $[\alpha]_D^{20}$ +32.1° (c, 1 in CH_2Cl_2).

(±)-*form*
Antidepressant (monoamine oxidase inhibitor). Mp 88°.

Ger. Pat., 2 923 295, (*1979*); *CA*, **93**, 26429s (*synth, pharmacol, isom*)
Kan, J.P. *et al*, *Life Sci.*, 1980, **26**, 2165 (*pharmacol*)
Dollery, C.T. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1982, **564**, 121 (*pharmacol*)
Durant, F. *et al*, *Bull. Soc. Chim. Belg.*, 1982, **91**, 949 (*cryst struct*)
Jalfre, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1982, **259**, 194 (*pharmacol*)
Rovei, V. *et al*, *J. Chromatogr.*, 1983, **277**, 391 (*hplc*)
Rovei, V. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1984, **22**, 56 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18970.

Cinametic acid C-00353

3-[4-(2-Hydroxyethoxy)-3-methoxyphenyl]-2-propenoic acid, *9CI*. *4-(2-Hydroxyethoxy)-3-methoxycinnamic acid. Transoddi. ANP 3401*
[35703-32-3]

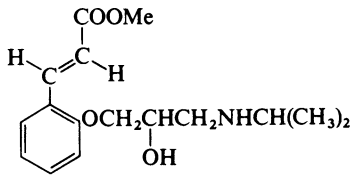


$C_{12}H_{14}O_5$ M 238.240
Choleretic agent. Cryst. (EtOH). Mp 202-203°.

Fr. Pat., M6380, (*1968*); *CA*, **76**, 140232w (*synth, pharmacol, tox*)
Farina, C. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1981, **314**, 108 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3711.

Cinamolol, INN C-00354

Methyl 3-[2-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl-2-propenoate, *9CI*. *Methyl* o-[*2-hydroxy-3-(isopropylamino)propoxy*]*cinnamate*
[39099-98-4]



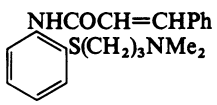
$C_{16}H_{23}NO_4$ M 293.362

(±)-(*E*)-*form*
Bestopal
β-Adrenergic blocking agent. Cryst. (hexane). Mp 93°.
B,HCl: Cryst. (2-propanol). Mp 161°.

Ger. Pat., 2 216 537, (*1972*); *CA*, **78**, 15817f (*synth, pharmacol*)

Cinanserin, INN C-00355

N-[*2-[[3-(Dimethylamino)propyl]thio]phenyl]-3-phenyl-2-propenamide*, *9CI*. *2'-[[3-(Dimethylamino)propyl]thio]cinnamanilide*, *8CI*
[1166-34-3]

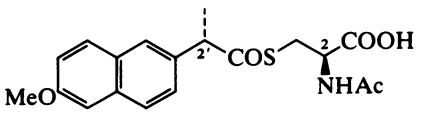


$C_{20}H_{24}N_2OS$ M 340.482
Serotonin inhibitor. Solid (hexane). Mp 82-83°.
B,HCl: [54-84-2]. *Cinanserin hydrochloride*, *USAN*. *NSC 125717. SQ 10643.* Cryst. (MeCN). Mp 146-148°.
▷GD7478000.

Krapcho, J. *et al*, *J. Med. Chem.*, 1963, **6**, 544; 1964, **7**, 376 (*synth, pharmacol*)
Rubin, B. *et al*, *Life Sci.*, 1966, **5**, 845 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12571.

Cinaproxen, INN **C-00356**

N-*Acetylcysteine 6-methoxy-α-methyl-2-naphthaleneacetate (ester),* 9CI. N-*Acetyl-[2-(6-methoxy-2-naphthyl)propionyl]cysteine*



(2*R*,2'*S*)-*form*

$C_{19}H_{21}NO_5S$ M 375.439

(2R,2'S)-form [89163-44-0]

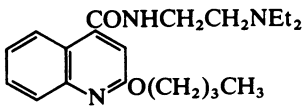
Antiinflammatory, analgesic, antipyretic, mucolytic agent. Mp 123-125°. $[\alpha]_D^{20}$ +100.6° (c, 1 in $CHCl_3$).

Eur. Pat., 35 641, (*1981*); *CA*, **96**, 69429 (*synth, pharmacol*)

Cinchocaine, BAN, INN **C-00357**

*2-Butoxy-*N*-[2-(diethylamino)ethyl]-4-quinolinecarboxamide,* 9CI. ***Dibucaine, USAN.*** *Benzolin. Dermacaine. Nupercainal. Other proprietary names*

[85-79-0]



$C_{20}H_{29}N_3O_2$ M 343.468

Local anaesthetic, used esp. for spinal anaesthesia. Hygroscopic cryst. Mp 64°. Used as hydrochloride.

▷Highly toxic. GD3150000.

B,HCl: [61-12-1]. *Cinchocaine hydrochloride,* BAN. *Dibucaine hydrochloride,* USAN. *Nupercaine hydrochloride.* Hygroscopic cryst. Dec. at 90-98°.

▷GD3325000.

U.S.P., 1 825 623, (*1931*)

Wickstroem, A., *J. Pharm. Pharmacol.*, 1953, **5**, 158 (*cryst struct*)

Igarashi, K. *et al*, *J. Pharmacobis.-Dyn.*, 1983, **6**, 538 (*metab*)

Padmanabhan, G.R., *Anal. Profiles Drug Subst.*, 1983, **12**, 105 (*rev, synth, props, anal*)

Igarashi, K. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3033 (*hplc*)

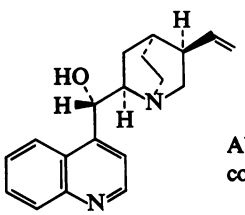
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7616, 7617.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5931.

Cinchonine **C-00358**

9S-*Cinchonan-9-ol,* 9CI

[118-10-5]



Absolute configuration

$C_{19}H_{22}N_2O$ M 294.396

Alkaloid from *Cinchona officinalis* and all *C.* spp. and from some *Remijia* spp., e.g. *R. pedunculata* and *R. purdieana*, and from leaves of *Olea europaea* and *Ligustrum vulgare* (Rubiaceae, Oleaceae). Antimalarial; resolving agent, chiral cocatalyst. Mp 264° (255°). $[\alpha]_D$ + 229° (EtOH).

▷GD3500000.

B,HCl: Mp 217-218°.

B,H_2SO_4: [5949-16-6]. Mp 206°.

B,MeI: Mp 269-270°.

O-*Benzoyl:* Mp 106-107°.

10,11-Dihydro: [485-65-4]. ***Hydrocinchonine.*** (9S)-*10,11-Dihydrocinchonan-9-ol,* 9CI. *10,11-Dihydrocinchonine. Cinchotine. ψ-Cinchonine. Pseudocinchonine. Cinchonifine.*

$C_{19}H_{24}N_2O$ M 296.411

Minor congener of Cinchonine from *C.* spp., *R.* spp. and *O. europaea* (Rubiaceae, Oleaceae). Antimalarial. Prisms. Mp 268-269°. $[\alpha]_D^{14}$ +204.5° (EtOH).

10,11-Dihydro; B,HCl: Mp 220-221°.

Hesse, O., *Ber.*, 1871, **4**, 818; 1883, **16**, 58 (*isol*)

Rabe, P., *Ber.*, 1908, **41**, 62 (*struct*)

Goutarel, R. *et al*, *Helv. Chim. Acta*, 1950, **33**, 150 (*ir*)

Lyle, G.G. *et al*, *Tetrahedron*, 1967, **23**, 51, 3253 (*uv, ord, config, pmr*)

Kamath, B.R. *et al*, *Indian J. Chem.*, 1968, **6**, 510 (*uv*)

Battersby, A.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 30, 31 (*biosynth*)

Schneider, G. *et al*, *Planta Med.*, 1972, **22**, 109 (*isol, uv, deriv*)

Moreland, C.G. *et al*, *J. Org. Chem.*, 1974, **39**, 2413 (*cmr*)

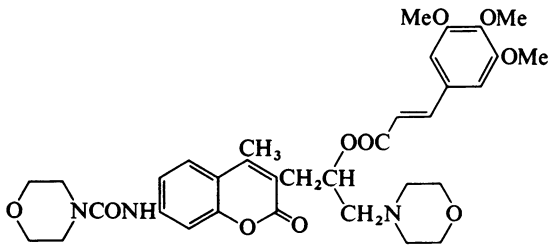
Oleksyn, B., *Acta Crystallogr., Sect. B*, 1979, **35**, 440 (*cryst struct*)

Ihara, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 573 (*synth, deriv*)

Cinecromen, INN **C-00359**

*1-[[4-Methyl-7-[(4-morpholinylcarbonyl)amino]-2-oxo-2*H*-1-benzopyran-3-yl]methyl]-2-(4-morpholinyl)-ethyl-3-(3,4,5-trimethoxyphenyl)-2-propenoate,* 9CI. *3-(2-Hydroxy-3-morpholinopropyl)-4-methyl-7-(4-morpholinecarboxamido)coumarin 3,4,5-trimethoxycinnamate. TVX 2656*

[62380-23-8]



$C_{34}H_{41}N_3O_{10}$ M 651.712

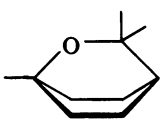
Coronary vasodilator. Mp 185° dec.

Ger. Pat., 2 530 405, (*1977*); *CA*, **86**, 155516x (*synth, pharmacol*)

Cineole **C-00360**

1,8-Cineole. Cajeputol. Eucalyptol. Eucapur. Soledum-Kapseln. Terpane. Zineol

[470-82-6]



$C_{10}H_{18}O$ M 154.252

Occurs in eucalyptus, lavender and many other oils. Inhalational expectorant (vet. use); used in perfumery and flavour industries. Antiseptic. Oil with camphoraceous odour. Mp 1.5°. Bp 176-177°. n_D^{20} 1.455.

▷OS9275000.

2,3-Didehydro: [58264-16-7]. *Dehydro-1,8-cineole.* Obt. from *Laurus nobilis.* Oil.

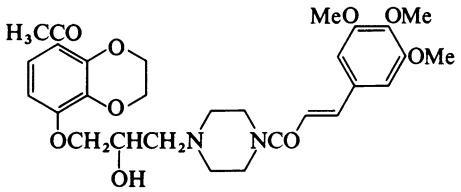
Achilladelis, B. *et al*, *Phytochemistry*, 1968, **7**, 1317 (*biosynth*)

Coxen, J.M. *et al*, *Chem. Ind.* (*London*), 1968, **652** (*synth*)
Hogg, J.W. *et al*, *Phytochemistry*, 1974, **13**, 868 (*isol*)
Bohlmann, F. *et al*, *Org. Magn. Reson.*, 1975, **7**, 426 (*cmr*)
Bondavalli, F. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 430 (*synth*)
Orsini, F. *et al*, *Gazz. Chim. Ital.*, 1980, **110**, 553 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4629.

Cinepaxadil, INN C-00361

α-[[(8-Acetyl-2,3-dihydro-1,4-benzodioxin-5-yl)oxy]-methyl]-4-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-1-piperazineethanol, *9CI*. *α-[[(8-Acetyl-1,4-benzodioxan-5-yl)oxy]methyl]-4-(3,4,5-trimethoxycinnamoyl)-1-piperazineethanol*

[69118-25-8]



$C_{29}H_{36}N_2O_9$ M 556.611

(±)-form

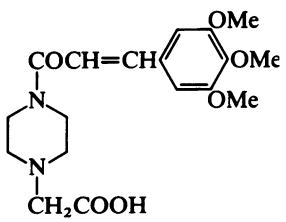
Cardiac suppressant for treatment of angina, coronary vasodilator.

Ger. Pat., 2 816 785, (*1978*); *CA*, **90**, 87513z (*synth, pharmacol*)

Cinepazic acid, INN C-00362

4-(3,4,5-Trimethoxycinnamoyl)-1-piperazineacetic acid. *4-[1-Oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-1-piperazineacetic acid*, *9CI*

[54063-23-9]



$C_{18}H_{24}N_2O_6$ M 364.397

Coronary vasodilator, antianginal agent.

B,HCl: [24446-37-5]. Mp 200° dec.

Et ester: [23887-41-4]. ***Cinepazet, BAN, INN***.
$C_{20}H_{28}N_2O_6$ M 392.451
Peripheral vasodilator and antianginal agent. Cryst. (isopropyl ether). Mp 96°.

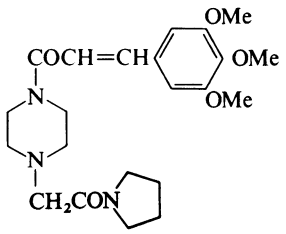
Et ester maleate (1:1): [50679-07-7]. *Cinepazet maleate, USAN. Ethyl cinepazate maleate. Vascoril. MD 6753.* Mp 130°.

B.P., 1 168 108, (*1969*); *CA*, **72**, 12768f (*synth, pharmacol*)
Pourrais, B. *et al*, *Therapie*, 1971, **26**, 859 (*pharmacol, maleate*)
Chasseaud, L.F. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1726, 2003 (*metab, ester*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9219.

Cinepazide, BAN, INN C-00363

1-[(1-Pyrrolidinylcarbonyl)methyl]-4-(3,4,5-trimethoxycinnamoyl)piperazine, *8CI*. *1-[2-Oxo-2-(1-pyrrolidinyl)ethyl]-4-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]piperazine*, *9CI*

[23887-46-9]



$C_{22}H_{31}N_3O_5$ M 417.504

Peripheral vasodilator. Mp 135°. Used mainly as maleate.

Maleate: [26328-04-1]. *Cinepazide maleate, JAN. Brendil. Angiodisten. Arteripax. Cinepadil. Vasodistal. MD 67350.* Cryst. (EtOH). Mp 135°.

▷TM2785100.

Fauran, C. *et al*, *Chim. Ther.*, 1969, **4**, 290 (*synth*)
Pourrias, B. *et al*, *Thérapie*, 1974, **29**, 29 (*pharmacol*)
Nomura, H. *et al*, *J. Pharmacobio.-Dyn.*, 1980, **3**, 281 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9220.

Cinfenine, INN C-00364

N-[2-(*Diphenylmethoxy*)*ethyl*]-N-*methyl-3-phenyl-2-propen-1-amine*, *9CI*. N-[2-(*Diphenylmethoxy*)*ethyl*]-N-*methylcinnamylamine*, *8CI*

$Ph_2CHOCH_2CH_2NMeCH_2CH{=}CHPh$

$C_{25}H_{27}NO$ M 357.494

(E)-form [54141-87-6]

Coronary vasodilator, antidepressant.

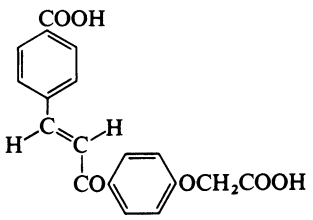
Fumarate: [26362-06-1]. Mp 94.5-96.5°.

Ger. Pat., 1 936 206, (*1970*); *CA*, **72**, 100268y (*synth, pharmacol*)

Cinfenoac, BAN, INN C-00365

4-[3-[4-(Carboxymethoxy)phenyl]-3-oxo-1-propenyl]-benzoic acid, *9CI*. *4-[2-(4-Carboxymethoxybenzoyl)-vinyl]benzoic acid*. p-[2-(*α-Carboxy*-p-*anisoyl*)*vinyl*]-*benzoic acid*

[66984-59-6]



$C_{18}H_{14}O_6$ M 326.305

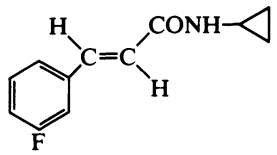
(E)-form [68461-37-0]

Antinflammatory agent. Mp 312-314°.

Fr. Pat., 2 383 157, (*1978*); *CA*, **91**, 39136
Ger. Pat., 2 810 253, (*1978*); *CA*, **90**, 22628

Cinflumide, INN, USAN **C-00366**

N-*Cyclopropyl-3-(3-fluorophenyl)-2-propenamide, 9CI.* N-*Cyclopropyl*-m-*fluorocinnamamide. BW 532*U



(*E*)-*form*

$C_{12}H_{12}FNO$ M 205.231

(*E*)-*form* [64379-93-7]

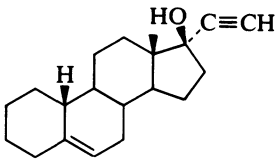
CNS muscle relaxant. Cryst. (EtOH aq.). Mp 90-91°.

U.S.P., 4 190 674, (*1980*); *CA*, **93**, 26132 (*synth, pharmacol*)

Cingestol, USAN, INN **C-00367**

19-Norpregn-5-en-20-yn-17-ol, 9CI, 8CI

[16915-71-2]



$C_{20}H_{28}O$ M 284.441

Progestin. Mp 130-132°. $[\alpha]_D$ −83° ($CHCl_3$).

▷RC8961110.

Bolt, C.C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1969, **88**, 1061 (*synth*)

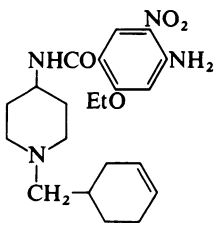
Lee, D.L. *et al*, *J. Med. Chem.*, 1977, **20**, 1139 (*pharmacol*)

van Dijck, L.A. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1977, **96**, 200 (*pmr*)

Cinitapride, INN **C-00368**

4-Amino-N-[*1-(3-cyclohexen-1-ylmethyl)-4-piperidyl*]-*2-ethoxy-5-nitrobenzamide, 9CI*

[66564-14-5]



$C_{21}H_{30}N_4O_4$ M 402.492

(±)-*form*

Serotoninergic, neuroleptic, antiemetic agent.

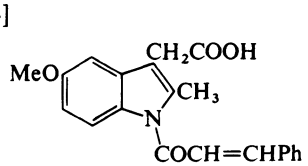
Fumarate: Mp 190-192°.

B.P., 1 574 419, (*1980*); *CA*, **95**, 49405 (*synth, pharmacol*)

Cinmetacin, INN, JAN **C-00369**

5-Methoxy-2-methyl-1-(1-oxo-3-phenyl-2-propenyl)-1H-indole-3-acetic acid, 9CI. 1-Cinnamoyl-5-methoxy-2-methyl-3-indoleacetic acid, 8CI. Cetanovo. Cindomet. Indolacin. Indolatsin. S 1290. TVX 1764

[20168-99-4]



$C_{21}H_{19}NO_4$ M 349.385

Antiinflammatory agent. Yellow cryst. (Me_2CO aq.). Mp 170-172°.

▷NL3523000.

Yamamoto, H. *et al*, *J. Med. Chem.*, 1969, **12**, 176 (*synth*)

Komatsu, S. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1690 (*pharmacol*)

De Angelis, L., *Drugs of Today*, 1979, **15**, 397 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12572.

Cinnamaverine, INN **C-00370**

2-(Diethylamino)ethyl 2,3-diphenylacrylate, 8CI. CB 2136

[1679-75-0]

$PhCH{=}CPhCOOCH_2CH_2NEt_2$

$C_{21}H_{25}NO_2$ M 323.434

Local anaesthetic, antispasmodic agent.

B,HCl: Mp 159-163°.

Mercier, F. *et al*, *Compt. Rend. Soc. Biol.*, 1950, **144**, 551 (*pharmacol*)

U.S.P., 2 673 853, (*1954*); *CA*, **49**, 4024e (*synth, pharmacol*)

Pellerin, J.A.G. *et al*, *Ann. Pharm. Fr.*, 1964, **22**, 495 (*anal*)

Cinnamedrine, USAN, INN **C-00371**

α-[1-[Methyl(3-phenyl-2-propenyl)amino]ethyl]-benzenemethanol, 9CI. α-[1-(Cinnamylmethylamino)-ethyl]benzyl alcohol, 8CI. Cinnamylephedrine

[90-86-8]

$PhCH(OH)CH(CH_3)NMeCH_2CH{=}CHPh$

$C_{19}H_{23}NO$ M 281.397

Smooth muscle relaxant. Mp 72-78°. Component of Midol.

B,HCl: Mp 180-185°. Bitter tasting.

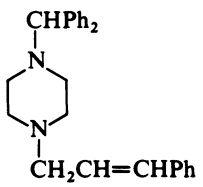
Walsh, L.H. *et al*, *J. Am. Pharm. Assoc., Sci. Ed.*, 1941, **30**, 123 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16579.

Cinnarizine, BAN, USAN, INN, JAN **C-00372**

1-(Diphenylmethyl)-4-(3-phenyl-2-propenyl)piperazine, 9CI. 1-Cinnamyl-4-diphenylmethylpiperazine. Stugeron. Mitronal. Numerous proprietary names

[298-57-7]



$C_{26}H_{28}N_2$ M 368.521

Antihistamine. Cerebral blood flow improver used for treatment of apoplexy and arteriosclerosis. V. spar. sol. H_2O. pK_a 7.47.

B,2HCl: [7002-58-6]. Mp 192° dec.

2-(4-Chlorophenoxy)-2-methylpropanoic acid salt (1:1): [64401-26-9]. *Cinnarizine clofibrate, INN. LM 16.* Antilipidaemic. Mp 110-111°.

Belg. Pat., 556 791; *CA*, 1960, **54**, 590.

B.P., 809 760; *CA*, 1960, **54**, 2379 (*synth*)

Cotrait, M. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1495 (*cryst struct*)

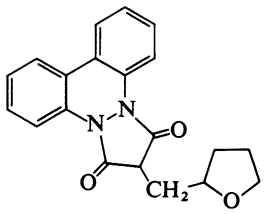
Metz, G. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1421 (*clofibrate*)

Towse, G., Ed., *Int. Congr. Symp. Ser. No. 33*, R. Soc. Med. 1980 (*book*)
Gotfraind, T. *et al*, *Drugs of Today*, 1982, **18**, 27 (*rev, pharmacol*)
Spedding, M., *Arch. Pharmacol.*, 1982, **318**, 234 (*pharmacol*)
Yao, F. *et al*, *CA*, 1984, **101**, 211103 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7401 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6118.

Cinnofuradione, INN **C-00373**

*2-Tetrahydrofurfuryl-1*H*-benzo*[c]*pyrazolo*[*1,2*-a]*-cinnoline-1,3*(2H)*-dione*, *8CI*

[477-80-5]



$C_{20}H_{18}N_2O_3$ M 334.374

(±)-*form*

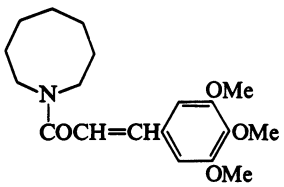
Analgesic. Cryst. (EtOH). Mp 128-129°.

U.S.P., 2 778 829, (*1957*); *CA*, **51**, 11398ab (*synth*)

Cinoctramide, INN **C-00374**

Octahydro-1-(3,4,5-trimethoxycinnamoyl)azocine, *8CI*

[28598-08-5]



$C_{19}H_{27}NO_4$ M 333.427

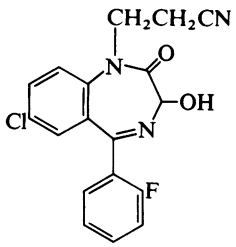
Tranquilliser. Mp 80-81°.

Fr. Pat., 1 581 285, (*1969*); *CA*, **73**, 25143u (*synth, pharmacol*)

Cinolazepam, INN **C-00375**

*7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-3-hydroxy-2-oxo-1*H*-1,4-benzodiazepine-1-propionitrile*, *9CI. OX-373*

[75696-02-5]



$C_{18}H_{13}ClFN_3O_2$ M 357.771

Sedative, hypnotic. Cryst. (EtOH). Mp 190-193°.

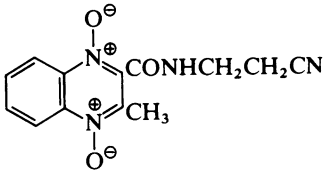
▷DE9640000.

Ger. Pat., 2 950 235, (*1980*); *CA*, **93**, 239431q (*synth, pharmacol*)

Cinoquidox, INN **C-00376**

N-(2-Cyanoethyl)-3-methyl-2-quinoxalinecarboxamide 1,4-dioxide, *9CI. CGA 56766*

[64557-97-7]



$C_{13}H_{12}N_4O_3$ M 272.263

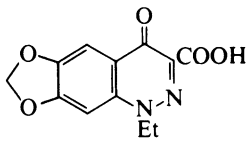
Antibacterial agent, growth promoter (veterinary). Cryst. (DMF/EtOH). Mp 198-199°.

Ger. Pat., 2 701 707, (*1977*); *CA*, **87**, 184551f (*synth, activity*)

Cinoxacin, BAN, USAN, INN, JAN **C-00377**

1-Ethyl-1,4-dihydro-4-oxo[*1,3*]*dioxolo*[*4,5*-g]*cinnoline-3-carboxylic acid*, *9CI*, *8CI. Azolinic acid. Cinobac. Cinobactin. Gugecin. Nofrin. Uronorm. Lilly 64716*

[28657-80-9]



$C_{12}H_{10}N_2O_5$ M 262.221

Antibacterial agent. Light-tan cryst. Mp 261-262° dec.

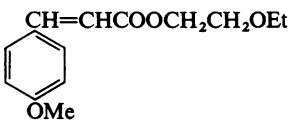
▷JI4640000.

Wick, W.E. *et al*, *Antimicrob. Agents Chemother.*, 1973, **4**, 415 (*pharmacol*)
Ger. Pat., 2 065 719, (*1975*); *CA*, **83**, 58860k (*synth*)
Guay, D.R.P., *Drug Intell. Clin. Pharm.*, 1982, **16**, 916 (*rev, pharmacol*)
Sisca, T.S. *et al*, *Drugs*, 1983, **25**, 544 (*rev, pharmacol*)
Rosales, M.J. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 1825 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5655.

Cinoxate, USAN, INN **C-00378**

2-Ethoxyethyl 3-(4-methoxyphenyl)-2-propenoate, *9CI. 2-Ethoxyethyl* p*-methoxycinnamate. Methocinnate. Giv-Tan. Maxafil. Olicrem. Phiasol. Reflecta. SunDare*

[104-28-9]



$C_{14}H_{18}O_4$ M 250.294

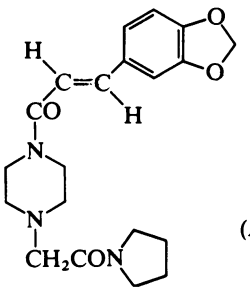
Ultraviolet screen. Viscous liq. Mp −25°. Bp_2 184-187°.

B.P., 856 411, (*1960*); *CA*, **55**, 13381 (*synth*)
Giden, F. *et al*, *Deut. Apoth.-Ztg.*, 1971, **111**, 118 (*pharmacol, nmr, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9302.

Cinoxopazide, INN **C-00379**

1-[3-(1,3-Benzodioxol-5-yl)-1-oxo-2-propenyl]-4-[2-oxo-2-(1-pyrrolidinyl)ethyl]piperazine, 9CI. *1-[(3,4-Methylenedioxy)cinnamoyl]-4-[(1-pyrrolidinylcarbonyl)methyl]piperazine*

[88053-05-8]



(E)-form

$C_{20}H_{25}N_3O_4$ M 371.435

(E)-form

Cerebrotonic.

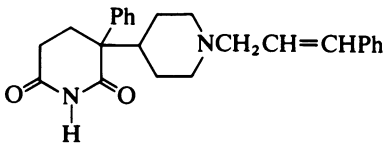
B,HCl: [88052-45-3]. Mp >260°.

Ger. Pat., 3 306 302, (*1983*); *CA*, **100**, 6553 (*synth, props*)

Cinperene, USAN, INN **C-00380**

3-Phenyl-1'-(3-phenyl-2-propenyl)[3,4'-bipiperidine]-2,6-dione. R 5046

[14796-24-8]



$C_{25}H_{28}N_2O_2$ M 388.508

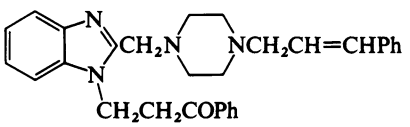
Antipsychotic, neuroleptic agent. Mp 157-159°.

Hermans, B. *et al, J. Med. Chem.*, 1968, **11**, 797 (*synth, pharmacol*)

Cinprazole, INN **C-00381**

1-Phenyl-3-[2-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]methyl]-1H-benzimidazol-1-yl]-1-propanone, 9CI. *3-[2-[(4-Cinnamyl-1-piperazinyl)methyl]-1-benzimidazolyl]propiophenone*

[51493-19-7]



$C_{30}H_{32}N_4O$ M 464.609

Antiulcerogenic agent. Cryst. (EtOAc). Mp 123°.

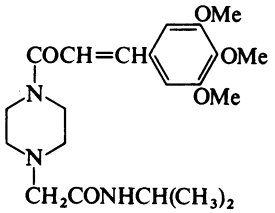
Dimaleate: [51493-20-0]. *7110 MD.* Mp 177°.

Ger. Pat., 2 333 831, (*1974*); *CA*, **80**, 96022j (*synth, pharmacol*)
Dorme, N. *et al, J. Pharm. Pharmacol.*, 1976, **28**, 788 (*pharmacol*)

Cinpropazide, INN **C-00382**

N-Isopropyl-4-(3,4,5-trimethoxycinnamoyl)-1-piperazineacetamide, 8CI

[23887-47-0]



$C_{21}H_{31}N_3O_5$ M 405.493

Coronary vasodilator. Mp 175°.

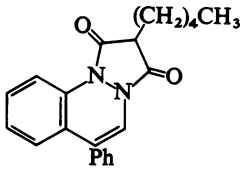
Maleate (1:1): [26328-00-7]. *MD 68111.* Mp 152°.

▷TK7850000.

Fauran, C. *et al, Chim. Ther.*, 1969, **4**, 290 (*synth*)
Chassiaud, L.F. *et al, Xenobiotica*, 1974, **4**, 393 (*metab*)
Pourrias, B. *et al, Therapie*, 1974, **29**, 233 (*pharmacol*)
Rabiant, J. *et al, Ann. Pharm. Fr.*, 1974, **32**, 183; 1975, **33**, 301 (*metab*)
Fauran, C. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 373 (*synth, pharmacol*)
Nonaka, K. *et al, Arzneim.-Forsch.*, 1985, **35**, 1499 (*pharmacol*)
Sakai, K. *et al, Arch. Int. Pharmacodyn. Ther.*, 1985, **277**, 83 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12573.

Cintazone, USAN **C-00383**

2-Pentyl-6-phenyl-1H-pyrazolo[1,2-a]cinnoline-1,3(2H)-dione, 9CI, 8CI. ***Cinnopentazone, INN.*** *AHR 3015. NSC 102825. Scha 306*



$C_{22}H_{22}N_2O_2$ M 346.428

(±)-form [2056-56-6]

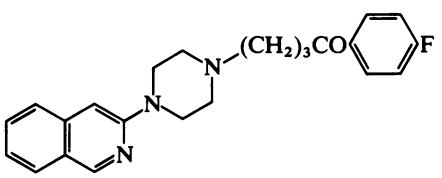
Antiinflammatory drug. Mp 124-126°.

Schatz, F. *et al, Helv. Chim. Acta*, 1968, **51**, 1919 (*synth*)
Jahn, U. *et al, Arzneim.-Forsch.*, 1974, **24**, 494 (*pharmacol*)

Cinuperone, INN **C-00384**

1-(4-Fluorophenyl)-4-[4-(3-isoquinolinyl)-1-piperazinyl]-1-butanone, 9CI. *3-[4-[3-(4-Fluorobenzoyl)-propyl]-1-piperazinyl]isoquinoline*

[82117-51-9]



$C_{23}H_{24}FN_3O$ M 377.461

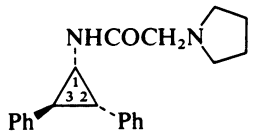
Neuroleptic. Mp 148-150°.

B,HCl: [82117-52-0]. *HR 375.* Mp 215-218°.

Eur. Pat., 47 923, (*1982*); *CA*, **97**, 23646 (*synth*)
Hock, F.J. *et al, Drug Dev. Res.*, 1985, **6**, 301 (*pharmacol*)
Su. T.-P., *Neurosci. Lett.*, 1986, **71**, 224 (*pharmacol*)

Ciprafamide, INN **C-00385**

N-(3-Diphenylcyclopropyl)-1-pyrrolidineacetamide, 9CI. *Z 839*



(1α,2α,3β)-*form*

$C_{21}H_{24}N_2O$ M 320.433

(1α,2α,3β)-form [35452-73-4]

Antiarrhythmic agent. Cryst. (isopropyl ether). Mp 93-94°.

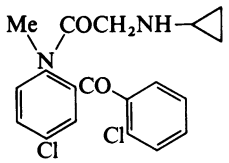
B,HCl: [35445-50-2]. Cryst. (EtOH). Mp 183-185°.

Ger. Pat., 2 110 169, (*1972*); *CA*, **76**, 126566b (*synth, pharmacol, tox*)

Ciprazafone, INN **C-00386**

N-[4-Chloro-2-(2-chlorobenzoyl)phenyl]-2-(cyclopropylamino)-N-methylacetamide, 9CI. *4'-Chloro-2'-(2-chlorobenzoyl)-2-(cyclopropylamino)-N-methylacetanilide*

[75616-03-4]



$C_{19}H_{18}Cl_2N_2O_2$ M 377.269

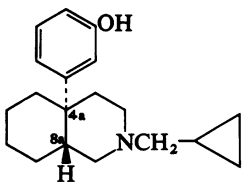
Anticonvulsant, tranquilliser, anxiolytic.

B,HCl: [75615-94-0]. Cryst. Mp 201°.

Eur. Pat., 10 030, (*1980*); *CA*, **93**, 221059y (*synth, pharmacol*)

Ciprefadol, INN **C-00387**

3-[2-(Cyclopropylmethyl)octahydro-4a(2H)-isoquinolinyl]phenol, 9CI



$C_{19}H_{27}NO$ M 285.428

(4aR*,8aR*)-form [59889-36-0]

(−)-trans-*form*

Analgesic.

Succinate: [60719-85-9]. *Ciprefadol succinate,* USAN. *Lilly 113878.*

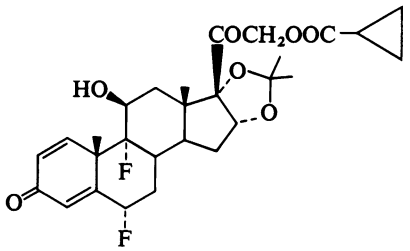
Maleate: Mp 107.5-109°. $[\alpha]_D^{25}$ −3.8°.

U.S.P., 4 029 796, (*1977*); *CA*, **87**, 102192c (*synth, pharmacol*)

Ciprocinonide, USAN, INN **C-00388**

21-[(Cyclopropylcarbonyl)oxy]-6,9-difluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, 9CI. *Fluocinolone acetonide 21-cyclopropyl carboxylate. RS 2386*

[58524-83-7]



$C_{28}H_{34}F_2O_7$ M 520.569

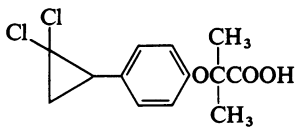
Adrenocortical steroid, topical antiinflammatory agent.

U.S.P., 3 934 013, (*1976*); *CA*, **84**, 111685f (*pharmacol*)

Ciprofibrate, BAN, USAN, INN **C-00389**

2-[4-(2,2-Dichlorocyclopropyl)phenoxy]-2-methylpropanoic acid, 9CI. *Ciprol. Lipanor. Win 35833*

[52214-84-3]



$C_{13}H_{14}Cl_2O_3$ M 289.158

Antihyperlipoproteinaemic drug. Pale-cream solid (hexane). Mp 114-116°.

▷UF0880000.

Fr. Pat., 2 197 586, (*1974*); *CA*, **82**, 43059m (*synth, pharmacol*)

Arnold, A. *et al, J. Pharm. Sci.*, 1979, **68**, 1557 (*props*)

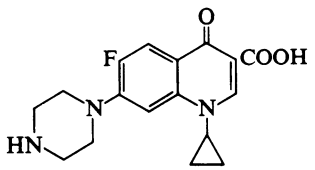
Beyer, K.H. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1982, **315**, 1049 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15316.

Ciprofloxacin, USAN, BAN, INN **C-00390**

1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid, 9CI. *Bay q 3939*

[85721-33-1]



$C_{17}H_{18}FN_3O_3$ M 331.346

Antibacterial agent (used in treatment of Legionnaire's disease). Mp 255-257° dec.

B,HCl: [86393-32-0]. *Ciprofloxacin hydrochloride,* USAN. *Bay o 9867.* Mp 308-310° dec.

Ger. Pat., 3 142 854, (*1983*); *CA*, **99**, 53790h (*synth, pharmacol*)

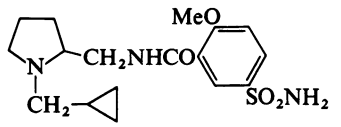
Chin, N.X. *et al, Antimicrob. Agents Chemother.*, 1984, **25**, 319 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16850.

Cipropride, INN **C-00391**

5-(Aminosulfonyl)-N-[[1-(cyclopropylmethyl)-2-pyrrolidinyl]methyl]-2-methoxybenzamide, 9CI. N-[[1-(Cyclopropylmethyl)-2-pyrrolidinyl]methyl]-5-sulfamoyl-o-anisamide. SL 74036

[68475-40-1]



$C_{17}H_{25}N_3O_4S$ M 367.462

(*S*)-form [66183-70-8]

Cryst. (EtOAc). Mp 134-135°. $[\alpha]_D^{20}$ −79° (c, 1 in DMF).

B,MeSO$_3$H: [69046-13-5]. Mp 120.5-121.5°.

(±)-form [69046-12-4]

Antiemetic. Mp 159.5-160.5°.

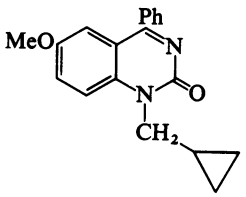
B,HCl: [69046-23-7]. Mp 231-232°.

B.P., 1 560 019, (*1978*); *CA*, **90**, 72047b (*synth, pharmacol*)
Broquaire, M. *et al, J. Liq. Chromatogr.*, 1981, **4**, 2039 (*hplc*)
Thebault, J.J. *et al, Therapie*, 1981, **36**, 561 (*pharmacol*)

Ciproquazone, INN **C-00392**

1-(Cyclopropylmethyl)-6-methoxy-4-phenyl-2(1H)-quinazolinone, 9CI, 8CI. *SL-573*

[33453-23-5]



$C_{19}H_{18}N_2O_2$ M 306.363

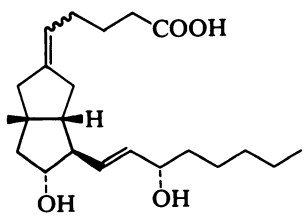
Analgesic, antiinflammatory, antipyretic, antirheumatic agent. Cryst. (EtOAc). Mp 115-116°.

Ger. Pat., 2 037 693, (*1970*); *CA*, **75**, 49123e (*synth, pharmacol*)
Komatsu, T. *et al, Arzneim.-Forsch.*, 1972, **22**, 1958 (*synth, pharmacol*)
Kimura, M. *et al, Bull. Chem. Soc. Jpn.*, 1976, **49**, 2696 (*cryst struct*)
Masai, N. *et al, Chem. Pharm. Bull.*, 1977, **25**, 3018 (*cmr*)
Yamamoto, M. *et al, Chem. Pharm. Bull.*, 1978, **26**, 1633 (*synth, pharmacol*)
Miyagishi, A. *et al, Oyo Yakuri*, 1979, **18**, 9 (*pharmacol*)

Ciprostene, INN **C-00393**

5-[Hexahydro-5-hydroxy-6-(3-hydroxy-1-octenyl)-3a-methyl-2(1H)-pentalenylidene]pentanoic acid, 9CI. *9β-Methylcarbacyclin*

[81845-44-5]



$C_{22}H_{36}O_4$ M 364.524

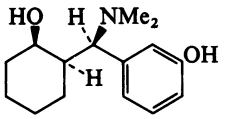
Platelet aggregation inhibitor. Oil. Used as Ca salt.

Ca salt (2:1): [81703-55-1]. *Ciprostene calcium,* USAN. *U 61431F.* Mp 101-108°.

Aristoff, P.A. *et al, J. Org. Chem.*, 1983, **48**, 5341 (*synth*)
Allan, G. *et al, Br. J. Pharmacol.*, 1985, **85**, 547 (*pharmacol*)
Hughes, R.D. *et al, J. Pharm. Pharmacol.*, 1986, **38**, 63 (*pharmacol*)
Linet, O.I. *et al, J. Clin. Pharmacol.*, 1986, **26**, 131 (*pharmacol*)
Schaub, R.G., *Prostaglandins*, 1988, **35**, 467 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18972.

Ciramadol, USAN **C-00394**

3-[(Dimethylamino)(2-hydroxycyclohexyl)methyl]-phenol, 9CI. *Cindol. Ciradol. Wy 15705*



Absolute configuration

$C_{15}H_{23}NO_2$ M 249.352

(−)-form [63269-31-8]

Analgesic. Cryst. (Me_2CO/hexane). Mp 191-193°. $[\alpha]_D^{25}$ −46.92° (c, 1.06 in MeOH).

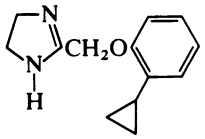
B,HCl: [63323-46-6]. *Ciramadol hydrochloride,* USAN. Cryst. (Me_2CO/MeOH). Mp 255-257° (efferv). $[\alpha]_D^{25}$ −15.31° (c, 1.07 in MeOH).

Yardley, J.P. *et al, Experientia*, 1978, **34**, 1124 (*synth, pharmacol*)
Stallings, W. *et al, J. Cryst. Mol. Struct.*, 1981, **11**, 59 (*cryst struct, abs config*)
Kubota, A. *et al, Jpn. J. Pharmacol.*, 1983, **33**, 1085 (*pharmacol*)
Sisenwine, S.F. *et al, Xenobiotica*, 1986, **16**, 335 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12574.

Cirazoline, INN **C-00395**

2-[(2-Cyclopropylphenoxy)methyl]-4,5-dihydro-1H-imidazole, 9CI. *LD 3098*

[59939-16-1]



$C_{13}H_{16}N_2O$ M 216.282

Vasoconstrictor, nasal decongestant, local anaesthetic.

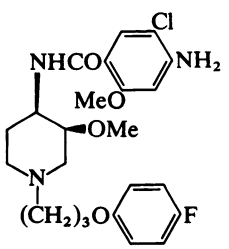
B,HCl: Cryst. (EtOAc/EtOH). Mp 187°.

Ger. Pat., 2 234 714, (*1973*); *CA*, **78**, 111312h (*synth, activity*)
Ruffolo, R.R. *et al, J. Pharmacol. Exp. Ther.*, 1982, **222**, 29; **223**, 241; 1985, **235**, 636 (*pharmacol*)
Berridge, T.L. *et al, Br. J. Pharmacol.*, 1986, **88**, 345 (*activity*)

Cisapride, BAN, INN, USAN **C-00396**

4-Amino-5-chloro-N-[N-[3-(4-fluorophenoxy)propyl]-3-methoxy-4-piperidyl]-2-methoxybenzamide, 9CI. *R 51619*

[81098-60-4]



$C_{23}H_{29}ClFN_3O_4$ M 465.951

cis*-(+)-*form [86718-70-9]
Mp 129°.

cis*-(−)-*form [86719-31-5]
Mp 125°.

cis*-(±)-*form [86718-68-5]
Increases gastrointestinal motility. Cryst. (heptane). Mp 131-133°.

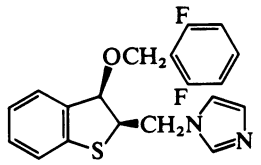
B,HCl: [86718-74-3]. Cryst. (EtOH). Mp 250°.
N-*Oxide:* Cryst. (2-propanol). Mp 129.7°.

trans*-(±)-*form [86719-33-7]
Mp 108°.

Cooke, H.J. *et al*, *Eur. J. Pharmacol.*, 1984, **98**, 147 (*pharmacol*)
Eur. Pat., 76 530, (*1985*); *CA*, **99**, 194812d (*synth*)
Reyntjens, A. *et al*, *Drug Dev. Res.*, 1986, **8**, 251 (*rev*)
Van Daele, G.H.P. *et al*, *Drug Dev. Res.*, 1986, **8**, 225 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16581.

Cisconazole, INN C-00397

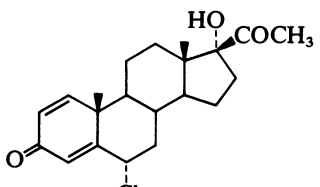
1-[[3-[(2,6-Difluorophenyl)methoxy]-5-fluoro-2,3-dihydrobenzo[b]*thien-2-yl]methyl]-1*H*-imidazole*, *9CI*
[104456-79-3]



$C_{19}H_{15}F_3N_2OS$ M 376.396
Antifungal agent. Cryst. (cyclohexane). Mp 167-168°.
Eur. Pat., 185 381, (*1986*); *CA*, **105**, 152918 (*synth, pharmacol*)

Cismadinone, INN C-00398

6α-Chloro-17-hydroxypregna-1,4-diene-3,20-dione, *9CI*
[54063-31-9]

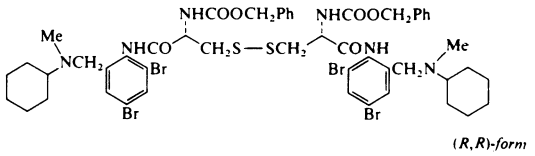


$C_{21}H_{27}ClO_3$ M 362.896
Progestin.

*17-*O *Acetate:* [151-69-9]. *Cismadinone acetate.*
$C_{23}H_{29}ClO_4$ M 404.933
Progestin. Cryst. Mp 203-205°. $[\alpha]_D$ −77° ($CHCl_3$).
Ger. Pat., 1 243 682, (*1967*); *CA*, **67**, 100343r (*synth*)

Cistinexine, INN C-00399

5,10-Bis[[[2,4-dibromo-6-[(cyclohexylmethylamino)-methyl]phenyl]amino]carbonyl]-3-oxo-1-phenyl-2-oxa-7,8-dithia-4,11-diazadodecan-12-oic acid phenylmethyl ester, *9CI*



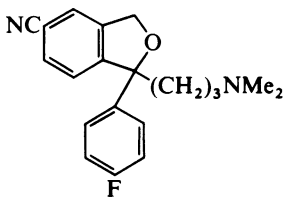
(*R,R*)-*form*

$C_{50}H_{60}Br_4N_6O_6S_2$ M 1224.797

(***R,R*)-*form*** [86042-50-4]
Rec 15-1884
Expectorant and antitussive agent. Mp 171-173°.
B,2HCl: [86042-51-5]. *Rec 15-1884-2.* Mp 184-198° (177-190°). $[\alpha]_D^{25}$ −77.5° (c, 2.5 in MeOH).
Guenzi, A. *et al*, *Boll. Chim. Farm.*, 1985, **124**, 451 (*synth, uv, ir, pmr, cmr, ms*)
Nardi, D. *et al*, *Farmaco, Ed. Sci.*, 1985, **40**, 108 (*synth, pharmacol*)

Citalopram, BAN, INN C-00400

1-[3-(Dimethylamino)propyl-1-(4-fluorophenyl)]-1,3-dihydro-5-isobenzofurancarbonitrile, *9CI*. *1-(3-Dimethylaminopropyl)-1-(4-fluorophenyl)-5-cyanophthalan. Nitalapram. Lu 10-171*
[59729-33-8]

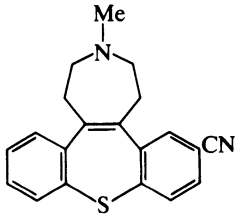


$C_{20}H_{21}FN_2O$ M 324.397
Antidepressant. Serotonin re-uptake inhibitor.

(±)-*form*
Oxalate: [59729-33-8]. Mp 160°.
Bigler, A.J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 289 (*synth, pharmacol*)
Christensen, A.V. *et al*, *Eur. J. Pharmacol.*, 1977, **41**, 153 (*pharmacol*)
Ger. Pat., 2 657 013, (*1977*); *CA*, **87**, 135040e (*synth*)
Koch, H., *Pharm. Int.*, 1980, **1**, 66 (*rev, pharmacol*)
Kragh-Soerensen, P. *et al*, *Acta Pharmacol. Toxicol.*, 1981, **48**, 53 (*metab*)
Boeck, V. *et al*, *Acta Pharmacol. Toxicol.*, 1982, **50**, 169 (*tox*)
Hyttel, J., *Dev. Psychiatry*, 1986, **7**, 820 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12575.

Citatepine, INN C-00401

*2,3,4,5-Tetrahydro-3-methyl-1*H*-dibenzo[2,3:6,7]-thiepino[4,5-*d*]azepine-7-carbonitrile*, *9CI*
[65509-66-2]



$C_{20}H_{18}N_2S$ M 318.436

Neuroleptic.

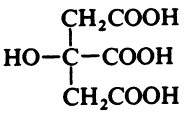
B,MeSO$_3$H: Cryst. (EtOH). Mp 224-225°.

Eur. Pat., 125 484, (*1983*); *CA*, **102**, 113464 (*synth*)
Bischoff, S. *et al*, *Pharmacopsychiatry*, 1986, **19**, 306, 316 (*pharmacol*)

Citric acid C-00402

2-Hydroxy-1,2,3-propanetricarboxylic acid, *9CI. 2-Hydroxytricarballylic acid*

[77-92-9]



$C_6H_8O_7$ M 192.125

Occurs in the free state in lemons, currants, beetroot etc. and the seeds and juices of many flowers and plants. Constit. of fruit drinks, pharmaceutical syrups, for adjusting pH of foods etc. Component of anticoagulant citrate solns. Cryst. + $1H_2O$ (H_2O), losing H_2O at 70-5°. V. sol. H_2O, EtOH, mod. sol. Et_2O. Mp ca 100°. pK_{a1} 3.13, pK_{a2} 4.76, pK_{a3} 6.39.

▷GE7350000.

2-Ac: [17140-33-9]. *2-Acetoxytricarballylic acid.*
$C_8H_{10}O_8$ M 234.162
Sol. H_2O. Mp 138-140°.

Tri-Me ester: [1587-20-8]. *Trimethyl citrate. Methyl citrate.*
$C_9H_{14}O_7$ M 234.205
Solid. Mp 78-79°. Bp 283-287° dec. (dehydrates).

Tri-Et ester: [77-93-0].
$C_{12}H_{20}O_7$ M 276.286
Oil. Bp 294°, Bp_1 127°.

▷GE8050000.

Triphenyl ester:
$C_{24}H_{20}O_7$ M 420.418
Needles. Sol. hot EtOH, insol. H_2O. Mp 124°.

Triamide: Citramide.
$C_6H_{11}N_3O_4$ M 189.171
Sol. hot H_2O, insol. EtOH, Et_2O. Mp 210-215°.

Trianilide:
$C_{24}H_{23}N_3O_4$ M 417.463
Needles (EtOH, H_2O). Mp 192°.

Tri-Me ester, Ac:
$C_{11}H_{16}O_8$ M 276.243
Bp_{15} 171°.

Tri-Me ester, Me ether:
$C_{10}H_{16}O_7$ M 248.232
Bp_{12} 159-160°.

Tri-Et ester, Ac: [77-89-4].
$C_{14}H_{22}O_8$ M 318.323
Bp_{15} 197°.

▷GE8225000.

Fe(II) complex: see Ferrous citrate, F-00092

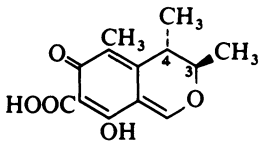
Ga complex: see Gallium citrate, G-00005
Li salt: see Lithium citrate, L-00059
Mg salt: see Magnesium citrate, M-00007

v. Pechmann, H., *Justus Liebigs Ann. Chem.*, 1891, **261**, 162 (*synth*)
Anschütz, R., *Justus Liebigs Ann. Chem.*, 1903, **327**, 228 (*ester*)
Bülow, C., *Ber.*, 1918, **51**, 1247 (*synth*)
Challenger, F., *Ind. Chem.*, 1929, **5**, 181 (*bibl*)
U.S.P., 2 047 669, (*1936*); *CA*, **30**, 6128 (*synth*)
U.S.P., 2 066 892, (*1937*); *CA*, **31**, 1045 (*isol*)
Gilbert, D.J. *et al*, *Chemistry*, 1968, **41**, 29 (*ester*)
Food Chemicals Codex, 1972, 2nd Ed., II, 204 (*anal*)
Schulz, G. *et al*, *Ullmanns Encycl. Tech. Chem. 4 Aufl.*, 1975, **9**, 624 (*rev*)
Bouchard, E.F. *et al*, *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1979, **6**, 150 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 464 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1037, 1038.

Citrinin C-00403

4,6-Dihydro-8-hydroxy-3,4,5-trimethyl-6-oxo-3H-2-benzopyran-7-carboxylic acid, *9CI. Meleamycin. Antimycin*

[518-75-2]



$C_{13}H_{14}O_5$ M 250.251

Isol. from *Penicillium citrinium, Aspergillus terreus* and the *Candidus* groups. Lemon-yellow needles (EtOH or MeOH). Mp 178-179° dec. $[\alpha]_{546}$−42.8°. Strong acid.

▷DJ2275000.

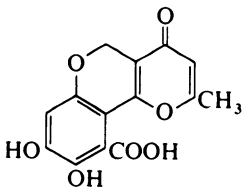
Me ester: Prisms (C_6H_6 or Me_2CO). Mp 138°. $[\alpha]_D^{18}$ +217.1° (c, 0.38 in Me_2CO), $[\alpha]_D^{20}$ +96.9° ($CHCl_3$).
Phenylhydrazide: Mp 207° dec.

Sprenger, R.D. *et al*, *J. Org. Chem.*, 1946, **11**, 189 (*struct*)
Wyllie, J., *CA*, 1946, **40**, 2190 (*isol*)
Warren, H.H. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3422 (*synth*)
Johnson, D.H. *et al*, *J. Chem. Soc.*, 1950, 2971 (*synth*)
Rodig, O.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 1553 (*cryst struct*)
Saito, M. *et al*, *Microbial Toxins*, Academic, N.Y., 1971, **6**, 299 (*rev*)
Barber, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2577 (*biosynth*)
Colombo, L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2594 (*biosynth*)
Pohland, A.E. *et al*, *Pure Appl. Chem.*, 1982, **54**, 2220 (*uv, ir, pmr, ms, cd*)
Sankawa, U. *et al*, *Tetrahedron*, 1983, **39**, 3583 (*biosynth*)
Destro, R. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 7269 (*cryst struct, tautom*)
Barber, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 2101 (*synth*)
Barber, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1987, 2743 (*struct, cmr*)
Regan, A.C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1987, 520 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 824.

Citromycetin C-00404

8,9-Dihydroxy-2-methyl-4-oxo-4H,5H-pyrano[3,2-c][1]benzopyran-10-carboxylic acid, *9CI. Frequentic acid*

[478-60-4]



$C_{14}H_{10}O_7$ M 290.229

Metab. prod. of *Citromyces* spp. and of *Corynebacterium diphtheriae*. Also prod. by *Penicillium frequentans*. Active against gram-positive bacteria. Yellow cryst. Mp 283-285° dec.

▷UQ0334000.

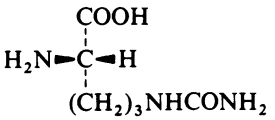
Di-Ac: Cryst. (EtOH). Mp 223-224° dec.
Di-Me ether: Cryst. Mp 217-218° dec.
Decarboxy: [37209-30-6]. *Citromycin.* Green-yellow needles (MeOH aq.). Mp 296-298° dec.

▷GE8600000.

Robertson, A. *et al, J. Chem. Soc.*, 1949, 848; 1951, 2013 (*struct*)
Mackenzie, J.B.D. *et al, J. Chem. Soc.*, 1950, 2965 (*struct*)
Evans, G.E. *et al, J. Chem. Soc., Chem. Commun.*, 1976, 760 (*biosynth*)
Dean, F.M. *et al, J. Chem. Soc., Perkin Trans. 1*, 1976, 2444 (*synth*)
Kurobane, I. *et al, Tetrahedron Lett.*, 1981, **22**, 493 (*biosynth*)
Yamauchi, M. *et al, J. Chem. Soc., Perkin Trans. 1*, 1987, 395 (*synth*)

Citrulline C-00405

N^5-(*Aminocarbonyl*)*ornithine*, *9CI*. N^5-*Carbamoylornithine*, *8CI*. *2-Amino-5-ureidovaleric acid*. *5-Ureidoornithine*. *Stimol*



$C_6H_{13}N_3O_3$ M 175.187

(*S*)-*form* [372-75-8]

L-form

Occurs in the watermelon *Citrullus vulgaris* and the red alga *Grateloupia filicina*. Has been used as arginine substitute in the treatment of inborn errors of urea synthesis, carbamyl phosphate synthetase and ornithine transcarbamylase deficiency. Prisms (MeOH aq.). Mp 222°. $[\alpha]_D^{20}$ +3.7° (c, 2 in H_2O).

B,HCl: $[\alpha]_D^{22}$ +17.9° (c, 2 in H_2O). Dec. at 185°.

Cu salt: Blue prisms. Mp 257-258°.

α-N-*Benzoyl, Me ester:*
$C_{14}H_{19}N_3O_4$ M 293.322
Dec. at 120°.

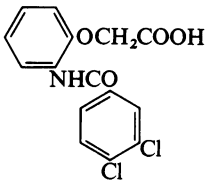
α-N-*Benzoyl, amide:*
$C_{13}H_{18}N_4O_3$ M 278.310
Dec. at 140°.

Biochem. Prep., 1953, **3**, 100, 104 (*synth*)
Ashida, T. *et al, Acta Crystallogr., Sect. B*, 1972, **28**, 1367 (*cryst struct*)
Msall, M. *et al, New Engl. J. Med.*, 1984, **310**, 1500 (*pharmacol*)
Wakamiya, T. *et al, Tetrahedron*, 1984, **40**, 235 (*isol, bibl*)
Toffoli, P. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 945 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16582.

Clamidoxic acid, BAN, INN C-00406

[2-[(*3,4-Dichlorobenzoyl*)*amino*]*phenoxy*]*acetic acid*, *9CI*. [o-(*3,4-Dichlorobenzamido*)*phenoxy*]*acetic acid*, *8CI*. *SNR 1804*

[6170-69-0]



$C_{15}H_{11}Cl_2NO_4$ M 340.162

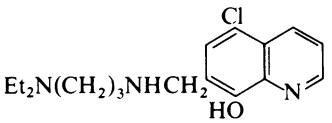
Antirheumatic, antiinflammatory drug. Mp 171°.

Netherlands Pat., 6 511 624, (*1966*); *CA*, **65**, 655g (*synth*)
Davy, B. *et al, J. Pharm. Pharmacol.*, 1971, **23**, 857 (*pharmacol*)

Clamoxyquin, BAN C-00407

5-Chloro-7-[[[*3-*(*diethylamino*)*propyl*]*amino*]*methyl*]*-8-quinolinol*, *9CI*, *8CI*. **Clamoxyquine, *INN***. *CN 17900-2B*. *NSC 20246*. *PAA 3854*. *CI 433*

[2545-39-3]



$C_{17}H_{24}ClN_3O$ M 321.849

Amoebicide.

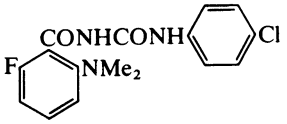
B,2HCl: [4724-59-8]. *Clamoxyquin hydrochloride*, *USAN*. *Clamoxyl*. Yellow cryst. (EtOH/MeOH). Mp 203° dec.

Burckhalter, J.H. *et al, J. Org. Chem.*, 1961, **26**, 4070 (*synth*)
Thompson, P.E. *et al, J. Parasitol.*, 1965, **51**, 817 (*pharmacol*)
Elslager, E.F. *et al, J. Med. Chem.*, 1967, **10**, 971 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4768.

Clanfenur, INN C-00408

N-[[(*4-Chlorophenyl*)*amino*]*carbonyl*]*-2-*(*dimethylamino*)*-6-fluorobenzamide*, *9CI*

[51213-99-1]



$C_{16}H_{15}ClFN_3O_2$ M 335.765

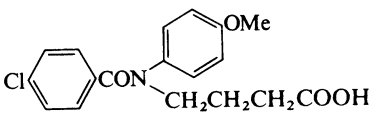
Antineoplastic agent. Mp 161°.

Wellinga, K. *et al, J. Agric. Food Chem.*, 1973, **21**, 993 (*synth*)
Eur. Pat., 193 249, (*1986*); *CA*, **105**, 226078 (*synth, pharmacol*)

Clanobutin, INN C-00409

4-[(*Chlorobenzoyl*)(*4-methoxyphenyl*)*amino*]*butanoic acid*, *9CI*. *4-*[p-*Chloro-*N-(p-*methoxyphenyl*)*benzamido*]*butyric acid*, *8CI*. *Bykahepar. B 6518*

[30544-61-7]



$C_{18}H_{18}ClNO_4$ M 347.798

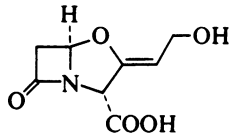
Choleretic agent. Cryst. (EtOAc). Mp 115-116°. pK_a 5.04.

▷ES8352000.

Klemm, K. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1 (*synth, pharmacol, tox*)
Berchtold, P. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1878 (*pharmacol*)
Wolf, H. *et al*, *Biochem. Pharmacol.*, 1980, **29**, 1649 (*props*)

Clavulanic acid, BAN, INN C-00410

3-(2-Hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. Clavubactam



Absolute configuration

$C_8H_9NO_5$ M 199.163

β-Lactam antibiotic. *Z-form* shown.

▷RN6802500.

(*E*)-form [62319-53-3]

Isoclavulanic acid

Me ester: [66428-10-2]. Oil. $[\alpha]_D^{22}$ +38.4° (c, 1.77 in MeOH).

p-*Bromobenzyl ester:* [60802-62-2]. Thin rods (CH_2Cl_2/CCl_4). Mp 134-134.5°. $[\alpha]_D^{25}$ +23° (c, 1.16 in MeOH).

(*Z*)-form [58001-44-8]

MM 14151. BRL 14440. Antibiotic MM 14151. Antibiotic 3008B

Metab. of *Streptomyces clavuligerus, S. jumonjinensis* and *S. katsurahamanus*. Potent inhibitor of β-lactamases. Active against gram-positive and -negative bacteria. Unstable oil.

▷RN6802500.

Na salt: [57943-81-4]. Feathery needles + $4H_2O$ (Me_2CO aq.). Mp 68°. $[\alpha]_D^{20}$ +47.1° (c, 1 in H_2O).

K salt: [61177-45-5]. *Potassium clavulanate, BAN. Clavulanate potassium, USAN. BRL 14151.*

▷RN6802700.

K salt, mixt. with Amoxicillin: [74469-00-4]. ***Augmentin. Augmentan. Clavulin. Clavumox. Obumentin. Synulox. BRL 25000.*** Antibiotic.

▷RN6802800.

Me ester: [57943-82-5]. Oil. $[\alpha]_D^{22}$ +38.0° (c, 1 in MeOH).

Benzyl ester: Oil. $[\alpha]_D^{20}$ +47° (c, 1.21 in MeOH).

p-*Bromobenzyl ester:* [60297-60-1]. Needles (CH_2Cl_2/pet. ether). Mp 103-104°. $[\alpha]_D^{20}$ +57.8° (c, 1.0 in $CHCl_3$).

3-Hydroxypropanoyl: [64675-12-3].
$C_{11}H_{13}NO_7$ M 271.226
From *S. clavuligerus*.

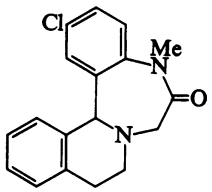
Mixt. with Ticarcillin: [86482-18-0]. ***Timentin. Betabactyl.*** Antibiotic.

Howarth, T. *et al*, *J. Chem. Soc., Chem. Commun.*, 1976, 266 (*cryst struct, nmr, ir, ms, uv*)
Bentley, P. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 748 (*synth*)
Reading, C. *et al*, *Antimicrob. Agents Chemother.*, 1977, **11**, 852 (*props*)
Elson, S. *et al*, *J. Antibiot.*, 1978, **31**, 586 (*biosynth*)
Cherry, P.C. *et al*, *Chem. Biol. Beta-Lactam Antibiot.*, 1982, **2**, 361 (*rev*)
Robinson, C.P., *Drugs of Today*, 1982, **18**, 213 (*Augmentin*)
Brown, A.G. *et al*, *Tetrahedron Lett.*, 1983, **24**, 2693 (*props*)
Brown, A.G. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 635 (*ir, pmr, ms, abs config, cryst struct*)
Butterworth, D., *Drugs Pharm. Sci.*, 1984, **22**, 225 (*rev*)
Weber, D.J. *et al*, *Pharmacotherapy (Carlisle, Mass.)*, 1984, **4**, 122 (*Augmentin*)
Jackson, D. *et al*, *Am. J. Med.*, 1985, **79**, 44 (*Timentin*)
Labia, R. *et al*, *Drugs Exp. Clin. Res.*, 1985, **11**, 765 (*rev, props*)
Townsend, C.A. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 1065, 1066 (*biosynth*)
Leigh, D.A. *et al*, *J. Antimicrob. Chemother.*, 1986, **17**(Suppl. C), (*Timentin*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 153, 18258.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 798.

Clazolam, BAN C-00411

2-Chloro-5,9,10,14b-tetrahydro-5-methylisoquino[2,1-d][1,4]benzodiazepin-6(7H)-one, 9CI. Isoquinazepon. Compound 41-123. Salt 1123

[7492-29-7]



$C_{18}H_{17}ClN_2O$ M 312.798

▷NW6710000.

(±)-form

Minor tranquilliser.

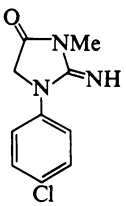
B,HCl: Mp 272-273°.

Mueller, M. *et al*, *Helv. Chim. Acta*, 1966, **49**, 1222 (*synth, pharmacol, nmr, ir*)
Ott, H. *et al*, *J. Med. Chem.*, 1968, **11**, 777 (*synth, pharmacol*)

Clazolimine, USAN, INN C-00412

1-(4-Chlorophenyl)-2-imino-3-methyl-4-imidazolidinone, 9CI. CL 88893

[40828-44-2]



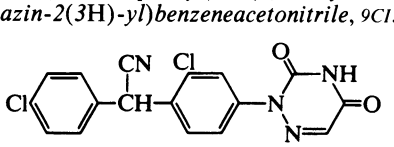
$C_{10}H_{10}ClN_3O$ M 223.662

Diuretic. Mp 182-184°.

Ger. Pat., 2 251 354, (*1973*); *CA*, **79**, 18717e (*synth, pharmacol*)

Clazuril, BAN, INN, USAN C-00413

2-Chloro-α-(4-chlorophenyl)-4-(4,5-dihydro-3,5-dioxo-1,2,4-triazin-2(3H)-yl)benzeneacetonitrile, 9CI. R 62690



$C_{17}H_{10}Cl_2N_4O_2$ M 373.198

(±)-form [101831-36-1]

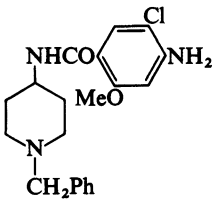
Coccidiostat (for pigeons). No phys. props. reported. Related to Diclazuril, D-00209 .

Eur. Pat., 170 316, (*1986*); *CA*, **105**, 60637 (*synth, pharmacol*)
Maes, L. *et al*, *CA*, 1988, **108**, 215883 (*pharmacol*)

Clebopride, INN, USAN **C-00414**

4-Amino-5-chloro-2-methoxy-N-[*1-(phenylmethyl)-4-piperidinyl*]*benzamide,* 9CI. *4-Amino*-N-(*1-benzyl-4-piperidyl*)*-5-chloro*-o-*anisamide. Amicos. Clanzol. Clast. Clebodian. Cleboril. Gastridin. Valopride*

[55905-53-8]



$C_{20}H_{24}ClN_3O_2$ M 373.882

Dopamine antagonist, spasmolytic, antiemetic. Cryst. (MeOH). Mp 194-195°.

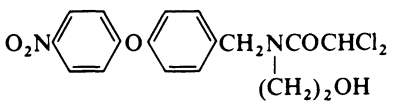
B,HCl: [57645-39-3]. Cryst. + $1H_2O$. Mp 217-219°.

Ger. Pat., 2 513 136, (*1975*); *CA*, **84**, 30908d (*synth, pharmacol*)
Clow, A. *et al*, *Br. J. Pharmacol.*, 1977, **60**, 268P (*pharmacol*)
Elliott, P.N.C. *et al*, *Neuropharmacology*, 1977, **16**, 333 (*pharmacol*)
Prieto, J. *et al*, *J. Pharm. Pharmacol.*, 1977, **29**, 147 (*synth, tox*)
Robert, D.J., *Curr. Ther. Res.*, 1982, **31**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16583.

Clefamide, BAN, INN **C-00415**

2,2-Dichloro-N-(*2-hydroxyethyl*)-N-[[*4-(4-nitrophenoxy)phenyl*]*methyl*]*acetamide,* 9CI. *2,2-Dichloro*-N-(*2-hydroxyethyl*)-N-[p-(p-*nitrophenoxy*)*benzyl*]*acetamide,* 8CI. *Chlorphenoxamide. Chlorophenoxamide. Mebinol. Moebinol*

[3576-64-5]



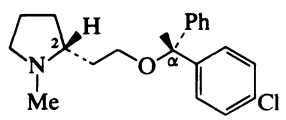
$C_{17}H_{16}Cl_2N_2O_5$ M 399.230

Antiamoebic drug. Lemon-yellow powder (EtOH). Sol. EtOH, dioxan, Me_2CO. Mp 136-137°.

Logemann, W. *et al*, *Farmaco, Ed. Sci.*, 1958, **13**, 139 (*synth, props*)
De Carneri, I. *et al*, *Antibiotics and Chemotherapy*, 1960, **10**, 626 (*pharmacol*)
U.S.P., 2 824 894, (*1960*); *CA*, **54**, 19593 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4769.

Clemastine, BAN, INN, USAN **C-00416**

2-[2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl]-1-methylpyrrolidine, 9CI. *2-[[2-(*p-*Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]-1-methylpyrrolidine,* 8CI. *Meclastine. Mecloprodine. Numerous proprietary names*



(*2R, αR*)-*form*

$C_{21}H_{26}ClNO$ M 343.896

n_D^{22} 1.5582. The pharmacol. product is a (+)-form.

(***2R,αR*)-*form*** [15686-51-8]

Antihistamine. Cryst. (hexane). Mp 58-61°. $Bp_{0.02}$ 155°. $[\alpha]_D^{20}$ +33.6° (c, 2 in EtOH).

Fumarate (1:1): [14976-57-9]. *Clemastine fumarate, JAN, USAN. Tavegil.* Cryst. (MeOH). Mp 177-178° dec. $[\alpha]_D^{20}$ +16.9° (c, 2 in MeOH).

▷UY0704600.

(***2R,αS*)-*form*** [61826-31-1]

$Bp_{0.02}$ 155°. $[\alpha]_D$ +58.2° (c, 2 in EtOH).

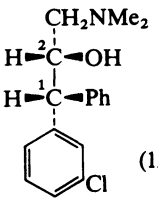
Fumarate (1:1): [61826-32-2]. Cryst. (MeOH). Mp 159-160°. $[\alpha]_D$ +32.6° (c, 2 in MeOH).

Fr. Pat., M 1313, (*1962*); *CA*, **58**, 11331g (*synth*)
Roemer, D. *et al*, *Med. Welt*, 1966, 2791, 2794 (*pharmacol*)
Weidmann, H. *et al*, *Boll. Chim. Farm.*, 1967, **106**, 467 (*pharmacol, tox*)
Lecomte, J., *C. R. Soc. Biol.*, 1969, **163**, 2229 (*pharmacol*)
Ebnoether, A. *et al*, *Helv. Chim. Acta*, 1976, **59**, 2462 (*synth, resoln, abs config*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Tarzis, A. *et al*, *Cryst. Struct. Commun.*, 1978, **7**, 91 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6184 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6119.

Clemeprol, INN, BAN **C-00417**

m-*Chloro-α-[(dimethylamino)methyl]-β-phenylphenethyl alcohol. 3-Chloro-α-[(dimethylamino)methyl]-β-phenylbenzeneethanol,* 9CI. *1-(3-Chlorophenyl)-3-dimethylamino-1-phenyl-2-propanol*

[71827-56-0]



(*1R,2R*)-*form*

$C_{17}H_{20}ClNO$ M 289.804

Both isomers show similar pharmacological activity. Anticholinergic agent, antidepressant.

B,HCl: [53780-00-0]. *BRL 14342.* Cryst. (EtOH/Et_2O). Mp 186-188°.

(***1RS,2RS*)-*form*** [71827-61-7]

B,HCl: [71827-63-9]. Cryst. (EtOH). Mp 198-199°.

(***1RS,2SR*)-*form*** [71827-62-8]

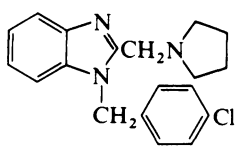
B,HCl: [71827-64-0]. Cryst. (EtOH). Mp 156-157°.

B.P., 1 448 437, (*1976*); *CA*, **86**, 43388a (*synth, pharmacol*)
Clark, J.A. *et al*, *J. Med. Chem.*, 1979, **22**, 1373 (*synth, nmr, pharmacol*)
Clark, M.S.G. *et al*, *Neuropharmacology*, 1980, **19**, 1207 (*pharmacol*)
Koch, H., *Drugs Future*, 1983, **8**, 194 (*rev*)

Clemizole, BAN, INN **C-00418**

1-[(4-Chlorophenyl)methyl]-2-(1-pyrrolidinylmethyl)-1H-benzimidazole, 9CI. *1-*p-*Chlorobenzyl-2-(1-pyrrolidinomethyl)benzimidazole,* 8CI

[442-52-4]



$C_{19}H_{20}ClN_3$ M 325.840

Antipruritic, antihistamine, sedative. Cryst. (EtOH aq.). Mp 167°.

B,HCl: [1163-36-6]. *Allercur. Histacur. Other proprietary names.* Insol. Et_2O, sol. H_2O. Mp 246°.

▷DD6730000.

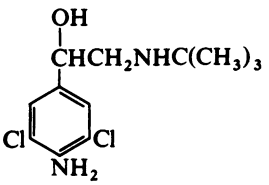
Jerchel, D. *et al*, *Justus Liebigs Ann. Chem.*, 1952, **575**, 162 (*synth*)

Mueckler, H. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 487 (*Neopenyl*)
Hughes, F.W. *et al*, *Clin. Pharmacol. Ther.*, 1964, **5**, 708 (*pharmacol*)
Spanish Pat., 301 164, (*1964*); *CA*, **62**, 1667
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5194 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6120.

Clenbuterol, BAN, INN C-00419

*4-Amino-3,5-dichloro-α-[[(1,1-dimethylethyl)amino]-methyl]benzenemethanol, 9CI. 1-(4-Amino-3,5-dichlorophenyl)-2-*tert*-butylaminoethanol. NAB 365. Other proprietary names*

[37148-27-9]



$C_{12}H_{18}Cl_2N_2O$ M 277.193

(+)-form [50499-60-0]
Cryst. (H_2O). Mp 127-128.5°. $[\alpha]_{364}^{20}$+244° (c, 2.28 in $CHCl_3$).

B,HCl: [50310-83-3]. Cryst. (Et_2O). Mp 197.5-198°. $[\alpha]_{364}^{20}$+126° (c, 2.15 in H_2O).

(−)-form [50306-03-1]
Cryst. (H_2O). $[\alpha]_{364}^{20}$−243° (c, 2.65 in $CHCl_3$).

B,HCl: [50310-85-5]. Cryst. (Et_2O). Mp 187-188° dec. $[\alpha]_{364}^{20}$−126° (c, 2.72 in H_2O).

(±)-form [50306-01-9]
Bronchodilator, uterine relaxant.

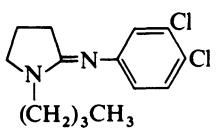
B,HCl: [69930-61-6]. *Clenizole hydrochloride, INN.* Powder (2-propanol). Mp 174-175.5°.

Ger. Pat., 2 212 600, (*1972*); *CA*, **79**, 146177 (*resoln*)
Keck, J. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 861, 869 (*synth, pharmacol*)
Engelhardt, G. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1403 (*props*)
Baehring-Kuhlmey, S.R. *et al*, *Drugs of Today*, 1978, **14**, 59; 1981, **17**, 335 (*revs*)
Tschan, M. *et al*, *Eur. J. Clin. Pharmacol.*, 1979, **15**, 159 (*props*)
Carpy, A. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2837 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2492 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2047.

Clenpyrin, BAN C-00420

N-(1-Butyl-2-pyrrolidinylidene)-3,4-dichlorobenzenamine, 9CI. 1-Butyl-2-(3,4-dichlorophenylimino)-pyrrolidine, 8CI. ***Clenpirin, INN.*** *FBb 6896*

[27050-41-5]



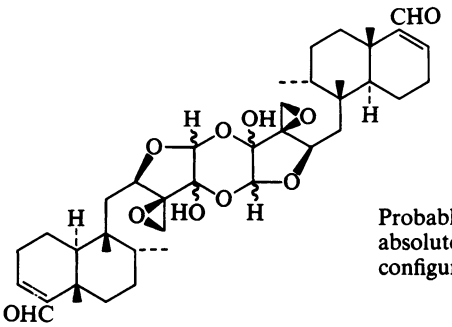
$C_{14}H_{18}Cl_2N_2$ M 285.216
Vet. insecticide. $Bp_{0.7}$ 179-84°.

Ger. Pat., 1 937 665, (*1971*); *CA*, **74**, 99862v (*synth, pharmacol*)
Clegg, D.E., *Pestic. Sci.*, 1974, **5**, 769 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3571.

Clerocidin C-00421

PR 1350. Antibiotic PR 1350

[87501-14-2]



Probable absolute configuration

$C_{40}H_{56}O_{10}$ M 696.876
Dimer which can equilibrate with the corresponding monomer in suitable solvs. Diterpene antibiotic. Isol. from the fungus *Oidiodendron truncatum*. Active against gram-positive and -negative bacteria and P388 leukaemia cells. Powder. $[\alpha]_D^{20}$ +85° (c, 1 in EtOH). Derivs. all exist in monomeric form.

▷LD_{50} 250 mg/kg (i.p. mice)

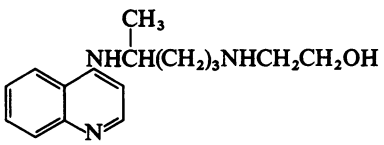
MeOH compd.: [87500-88-7]. *PR 1381. Antibiotic PR 1381.* Shows similar activity to Clerocidin. Cryst. (MeOH). Mp 139-141°. $[\alpha]_D^{70}$ +102.8° (c, 1 in EtOH).

Ger. Pat., 3 147 726, (*1982*); *CA*, **97**, 90422 (*isol, props*)
Andersen, N.R., *J. Antibiot.*, 1983, **36**, 753 (*isol*)
Andersen, N.R. *et al*, *Tetrahedron Lett.*, 1984, **25**, 465, 469 (*cmr, ms, pmr, config*)

Cletoquine, BAN, INN C-00422

2-[[4-[(7-Chloro-4-quinolinyl)amino]pentyl]amino]-ethanol, 9CI, 8CI

[4298-15-1]



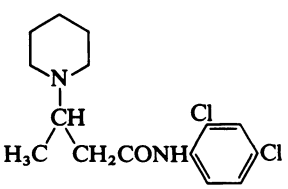
$C_{16}H_{22}ClN_3O$ M 307.822
Antiinflammatory drug. Mp 125-128°.

Netherlands Pat., 6 606 704, (*1966*); *CA*, **66**, 65402q (*synth*)

Clibucaine, INN C-00423

N-(2,4-Dichlorophenyl)-β-methyl-1-piperidinepropanamide, 9CI. 2',4'-Dichloro-β-piperidinobutyranilide. 2',4'-Dichloro-β-methyl-1-piperidinepropionanilide, 9CI

[15302-10-0]



$C_{15}H_{20}Cl_2N_2O$ M 315.242
Local anaesthetic. Cryst. (pet. ether). Mp 85-87°. Constit. of Amplicain.

B,HCl: Cryst. (EtOAc). Mp 165-166°.

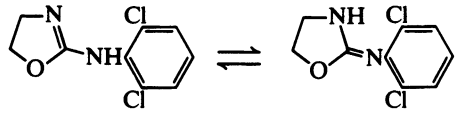
Wildersmith, A.E. *et al*, *Helv. Chim. Acta*, 1955, **38**, 1085 (*synth*)

B.P., 754 924, (*1956*); *CA*, **51**, 9687d (*synth*)
U.S.P., 2 801 247, (*1957*); *CA*, **51**, 17990n (*synth, pharmacol*)

Clidafidine, INN **C-00424**

N-(2,6-Dichlorophenyl)-4,5-dihydro-5-oxazolamine, 9CI. Ursonarcon

[33588-20-4]



$C_9H_8Cl_2N_2O$ M 231.081

Tautomerises. Vet. sedative. Analgesic. Antispasmodic. Cryst. ($CHCl_3$/hexane). Mp 135-165°.

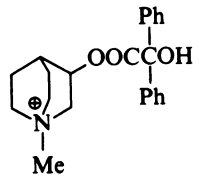
B,HCl: Cryst. (EtOH). Mp 198-201°.

Jen, T. *et al*, *J. Med. Chem.*, 1975, **18**, 90 (*synth, pharmacol*)
East Ger. Pat., 220 957, (*1985*); *CA*, **104**, 68842 (*synth, pharmacol*)

Clidinium(1+) **C-00425**

3-[(Hydroxydiphenylacetyl)oxy]-1-methyl-1-azoniabicyclo[2.2.2]octane, 9CI. 3-Hydroxy-1-methylquinuclidinium benzilate, 8CI. 3-Benziloyloxy-1-methylquinuclidinium

[7020-55-5]



$C_{22}H_{26}NO_3^{\oplus}$ M 352.452 (ion)

(±)-form

Anticholinergic drug.

Bromide: [3485-62-9]. *Clidinium bromide, USAN, INN. Quarzan. Ro 2-3773.*
$C_{22}H_{26}BrNO_3$ M 432.356
Cryst. (Me_2CO/MeOH/Et_2O). Mp 240-241°.
Component of Librax.

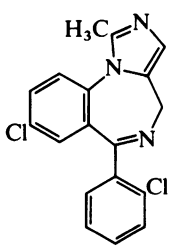
▷VD6125000.

Sternbach, L.H. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 6068 (*synth*)
Bachrach, W.H. *et al*, *J. Lab. Clin. Med.*, 1956, **48**, 603 (*pharmacol*)
Rudy, B.C. *et al*, *Anal. Profiles Drug Subst.*, 1973, **2**, 145 (*rev*)
Lambrecht, G., *Eur. J. Med.-Chim. Ther.*, 1979, **14**, 111 (*iodide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 354.

Climazolam, INN **C-00426**

8-Chloro-6-(2-chlorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine, 9CI. Ro 21-3982

[59467-77-5]



$C_{18}H_{13}Cl_2N_3$ M 342.227

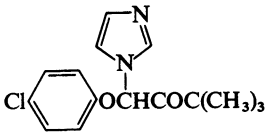
Sedative. Cryst. (CH_2Cl_2/hexane). Mp 142-144°.

Ger. Pat., 2 540 522, (*1976*); *CA*, **85**, 21497 (*synth, pharmacol*)
U.S.P., 4 401 597, (*1983*); *CA*, **100**, 51611 (*synth, pharmacol*)

Climbazole, BAN, INN **C-00427**

1-(4-Chlorophenoxy)-1-(1H-imidazol-1-yl)-3,3-dimethyl-2-butanone, 9CI. Alert. Baypival. Baysan. Bay e 6975. MEB 6401

[38083-17-9]



$C_{15}H_{17}ClN_2O_2$ M 292.765

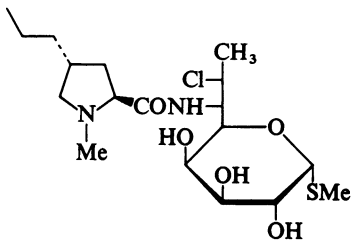
Material protection fungicide, antiseborrhoeic agent. Cryst. Mp 95.5°.

Ger. Pat., 2 325 156, (*1973*); *CA*, **82**, 120068t (*synth, pharmacol*)
Pesticide Manual, 6th Ed., 110.

Clindamycin, INN, USAN, BAN, JAN **C-00428**

7-Chloro-7-deoxylincomycin. Cleocin. Clinimycin. Dalacin C. Klindamycin. Klinicin. Sobelin. U 21251. Antibiotic U 21251

[18323-44-9]



$C_{18}H_{33}ClN_2O_5S$ M 424.982

Semisynthetic. Broad spectrum antibiotic. $[\alpha]_D$ +214° ($CHCl_3$).

▷RH6300000.

B, HCl: [21462-39-5]. *Clindamycin hydrochloride, USAN. Dalactine.* Cryst. (EtOH/EtOAc). Mp 141-143°. $[\alpha]_D$ +144° (H_2O).

▷GF2275000.

O^2-Phosphate: [24729-96-2]. *Clindamycin phosphate, USAN. U 28508.*
$C_{18}H_{34}ClN_2O_8PS$ M 504.962
Mp 109-114°.

▷GF2625000.

2-Hexadecanoate; B,HCl: [25507-04-4]. *Clindamycin palmitate hydrochloride, USAN.*

4-Depropyl-4-ethyl: [18323-43-8]. *Clindamycin* B.
$C_{17}H_{31}ClN_2O_5S$ M 410.955
Semisynthetic.

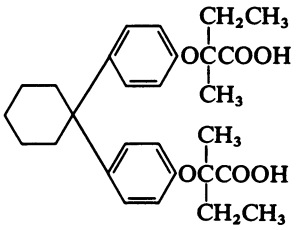
South African Pat., 67 06 645, (*1968*); *CA*, **71**, 13337 (*Phosphate*)
Birkenmeyer, R.D. *et al*, *J. Med. Chem.*, 1970, **13**, 616 (*synth*)
Ger. Pat., 2 125 112, (*1971*); *CA*, **76**, 46464 (*synth*)
Ninomiya, M. *et al*, *J. Antibiot.*, 1973, **26**, 157.
Yamanaka, Y. *et al*, *Jpn. J. Antibiot.*, 1974, **27**, 32 (*pharmacol, Phosphate*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **2**, 930 (*rev*)
Brown, L.W. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 75 (*rev*)
LeFrock, J.L. *et al*, *Med. Clin. North Am.*, 1982, **66**, 103 (*rev, pharmacol*)
Polyak, M.S. *et al*, *Antibiotiki* (*Moscow*), 1984, **29**, 628 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 54.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 694.

Clinofibrate, INN, JAN C-00429

2,2'-[Cyclohexylidenebis(4,1-phenyleneoxy)]bis[2-methylbutanoic acid], 9CI. Lipoclin. S-8527

[30299-08-2]



$C_{28}H_{36}O_6$ M 468.589

Four isomers separated but no props. reported. Hypolipidaemic agent. Off-white powder. Mp 143-146° dec.

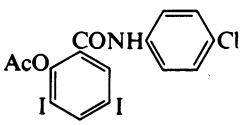
▷ES8900000.

Japan. Pat., 73 54 047, (*1973*); *CA*, **79**, 136839u (*synth*)
Suzuki, K., *Biochem. Pharmacol.*, 1976, **25**, 325 (*pharmacol*)
Hiroshi, K. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1694 (*resol*)
Robinson, C.P., *Med. Actual.*, 1982, **18**, 220 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16584.

Clioxanide, BAN, INN, USAN C-00430

2-(Acetyloxy)-N-(4-chlorophenyl)-3,5-diiodobenzamide, 9CI. 4'-Chloro-3,5-diiodosalicylanilide acetate, 8CI. Tremerad. CI 633. CN 59567. SYD 230

[14437-41-3]



$C_{15}H_{10}ClI_2NO_3$ M 541.511

Vet. anthelmintic. Needles (Me_2CO). Mp 215-216°.

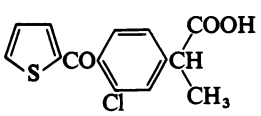
▷VN7885000.

Campbell, A. *et al*, *Experientia*, 1967, **23**, 992 (*synth, pharmacol*)
Presidente, P.J.A. *et al*, *Am. J. Vet. Res.*, 1972, **33**, 1593 (*pharmacol*)
Douch, P.G.C., *Xenobiotica*, 1979, **9**, 263 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12579.

Cliprofen, USAN, INN C-00431

3-Chloro-α-methyl-4-(2-thienylcarbonyl)benzeneacetic acid, 9CI. R 25160

[51022-75-4]



$C_{14}H_{11}ClO_3S$ M 294.752

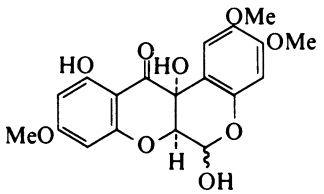
Analgesic, antiinflammatory agent. Mp 82.5°.

Van Daele, P.G.H. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1495 (*synth, pharmacol*)

Clitoriacetal C-00432

6a,12a-Dihydro-6,11,12a-trihydroxy-2,3,9-trimethoxy[1]benzopyrano[3,4-b][1]benzopyren-12(6H)-one, 9CI

[64461-44-5]



$C_{19}H_{18}O_9$ M 390.346

Constit. of the Thai crude drug 'Nan-tai-yak' (the root of *Clitoria macrophylla*). Amorph. solid. $[\alpha]_D^{28}$ +259.5° (c, 0.275 in $CHCl_3$).

Tri-Ac:

$C_{25}H_{24}O_{12}$ M 516.457

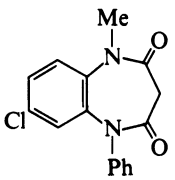
Pale-yellow needles (MeOH). Mp 123-126°.

Taguchi, H. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 1026 (*isol, struct*)

Clobazam, BAN, INN, USAN C-00433

7-Chloro-1-methyl-5-phenyl-1H-1,5-benzodiazepine-2,4(3H,5H)-dione, 9CI, 8CI. Urbanyl. Other proprietary names

[22316-47-8]



$C_{16}H_{13}ClN_2O_2$ M 300.744

Tranquilliser, anticonvulsant. Mp 180-182°.

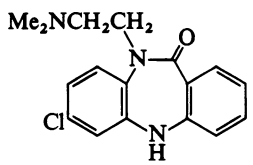
▷DE9600000.

Weber, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1972, **756**, 128 (*synth*)
Hanks, G.W., *Br. J. Clin. Pharmacol.*, 1979, **7**, 151 (*rev, pharmacol*)
Aversa, M.C. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 551; 1983, **20**, 1641 (*pmr, cmr*)
Brogden, R.N. *et al*, *Drugs*, 1980, **20**, 161 (*rev*)
Hindmarch, I. *et al*, Eds., *Int. Congr. Symp. Ser. No. 43, R. Soc. Med.*, 1981 (*book*)
Fielding, S. *et al*, *Drug Dev. Res.*, 1982, Suppl. 1, 17 (*numerous papers*)
Butcher, H.J. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 1081 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3847 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7025.

Clobenzepam, INN C-00434

2-Chloro-10-[2-(dimethylamino)ethyl]-5,10-dihydro-11H-dibenzo[b,e][1,4]diazepin-11-one, 9CI

[1159-93-9]



$C_{17}H_{18}ClN_3O$ M 315.802

Antihistamine. Prisms (Me_2CO/Et_2O). Mp 165-166°.

B,HCl: [2726-03-6]. *Tarpan. Eutarpan.* Prisms (EtOH/Et_2O). Mp 222-226°.

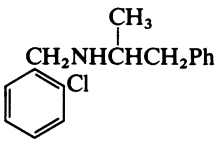
▷HP2275000.

Hunziker, F. *et al, Arzneim.-Forsch.*, 1963, **13**, 324 (*pharmacol*)
Swiss Pat., 411 911, (*1966*); *CA*, **67**, 64455t (*synth*)

Clobenzorex, INN C-00435

N-(o-*Chlorobenzyl*)-α-*methylphenethylamine.* N-[(*2-Chlorophenyl*)*methyl*]-α-*methylbenzeneethanamine*, *9CI. Asenlix. Finedal*

[13364-32-4]



$C_{16}H_{18}ClN$ M 259.778

▷DA0183000.

(+)-*form*

Anorectic agent. $Bp_{0.1}$ 132-134°.

B,HCl: [5843-53-8]. *BA 7205. Dinintel. Rexigen. SD 271-12.* Cryst. (2-propanol). Mp 182-183°. $[\alpha]_D^{20}$ +26.3° (H_2O).

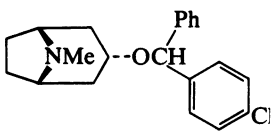
▷SH0683700.

Boissier, J.R. *et al, Ann. Pharm. Fr.*, 1966, **24**, 57 (*synth, pharmacol*)
Thomasset, M. *et al, Experientia*, 1970, **26**, 692 (*metab*)
Glasson, B. *et al, Arzneim.-Forsch.*, 1971, **21**, 1985 (*pharmacol*)
Merck Index, 10th Ed., 1983, 2328.

Clobenztropine, INN C-00436

3-[(4-Chlorophenyl)phenylmethoxy]-8-methyl-8-azabicyclo[3.2.1]octane, *9CI. 3-o-[(p-Chloro-α-phenylbenzyl)oxy]tropine, 7CI. FCI. SL 6057. Teprin*

[5627-46-3]



$C_{21}H_{24}ClNO$ M 341.880

Antihistamine, antispasmolytic.

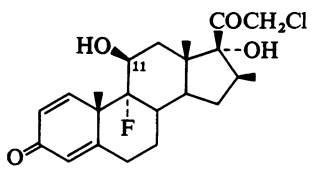
B,HCl: [14008-79-8]. Cryst. (2-propanol). Mp 215-217°.
B,HBr: Cryst. (2-propanol). Mp 197-200°.

Fr. Pat., 1 249 205, (*1961*); *CA*, **56**, 10208a (*synth, pharmacol*)

Clobetasol, BAN, INN C-00437

21-Chloro-9α-fluoro-11β,17α-dihydroxy-16β-methyl-1,4-pregnadiene-3,20-dione, *9CI*

[25122-41-2]



$C_{22}H_{28}ClFO_4$ M 410.912

Corticosteroid.

17-Propanoyl: [25122-46-7]. ***Clobetasol propionate,*** *USAN, JAN. Dermovate. Butavate. Clobesol. Decloban. Myalone. Temovate. GR 2/925. Numerous proprietary names.*

$C_{25}H_{32}ClFO_5$ M 466.976

Corticosteroid, antiinflammatory for topical use. Creamy-white powder. Mp 195.5-197°. $[\alpha]_D$ +103.8° (c, 1.04 in dioxan).

▷TU3725000.

11-Ketone: [54063-32-0]. *21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione.* ***Clobetasone,*** *BAN, USAN. Eumovate. Trimovate.*

$C_{22}H_{26}ClFO_4$ M 408.896

Corticosteroid, antiinflammatory agent.

11-Ketone; 17-butanoyl: [25122-57-0]. ***Clobetasone butyrate,*** *USAN, JAN. Molivate. Eumovate. Optison. Rettavate. SN 203. GR 1214.*

$C_{26}H_{32}ClFO_5$ M 478.987

Corticosteroid for topical use. Mp 90-100°.

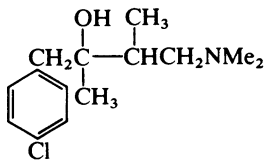
▷TU4154083.

Ger. Pat., 1 902 340, (*1969*); *CA*, **72**, 44021y (*synth, pharmacol*)
Tamura, J. *et al, J. Toxicol. Sci.*, 1980, **5**, 45, 177 (*tox*)
Allenby, C.F. *et al, Br. J. Dermatol.*, 1981, **104**, 179.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7298 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1069, 1070.

Clobutinol, INN C-00438

4-Chloro-α-[2-(dimethylamino)-1-methylethyl]-α-methylbenzeneethanol, *9CI*

[14860-49-2]



$C_{14}H_{22}ClNO$ M 255.787

Antitussive. Bp_{12} 179-180°.

▷SG7885000.

B,HCl: [1215-83-4]. *Clobutinol hydrochloride, JAN. Biotertussin. Lomistat. Pertoxil. Silomat. Tussilan. KAT 256.* Cryst. Mp 169-170°.

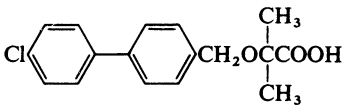
▷DA0500000.

B.P., 898 010, (*1957*); *CA*, **57**, 12381 (*synth*)
Engelhorn, R., *Arzneim.-Forsch.*, 1960, **10**, 785 (*pharmacol*)
Renovanz, H.D. *et al, Arzneim.-Forsch.*, 1965, **15**, 1393 (*pharmacol*)
Yoshida, S. *et al, Arzneim.-Forsch.*, 1967, **17**, 1515 (*pharmacol*)
Beisenherz, G. *et al, Arzneim.-Forsch.*, 1969, **19**, 79 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5609.

Clobuzarit, BAN, INN C-00439

2-[(4'-Chloro[1,1-biphenyl]-4-yl)methoxy]-2-methylpropanoic acid, *9CI. 2-[[p-(p-Chlorophenyl)benzyl]oxy]-2-methylpropionic acid*, *8CI. Clozic. ICI 55897*

[22494-47-9]



$C_{17}H_{17}ClO_3$ M 304.773

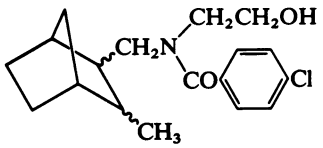
Antirheumatic agent. Mp 154-155°.

B.P., 1 140 748, (*1969*); *CA*, **70**, 106212f (*synth, pharmacol*)
Foster, S.J. *et al, Biochem. Pharmacol.*, 1983, **32**, 461 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15317.

Clocanfamide, INN **C-00440**

4-Chloro-ifN-(2-hydroxyethyl)-N-[(3-methylbicyclo[2.2.1]hept-2-yl)methyl]benzamide, 9CI. *p-Chloro-N-(2-hydroxyethyl)-N-[(3-methyl-2-norbornyl)methyl]benzamide,* 8CI. *Clamiren*

[18966-32-0]



$C_{18}H_{24}ClNO_2$ M 321.846

Nonanticholinergic regulator of gastric secretion. Sedative. Cryst. (EtOAc/pet. ether). Mp 98°.

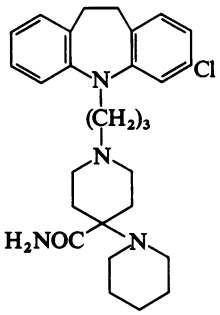
▷CV2449080.

B.P., 1 092 767, (*1967*); *CA*, **69**, 10283h (*synth, pharmacol, tox*)

Clocapramine, INN **C-00441**

1'-[3-(3-Chloro-10,11-dihydro-5H-dibenz[b,f]azepin-5-yl)propyl] [1,4'-bipiperidine]-4'-carboxamide, 9CI. *3-Chlorocarpipramine. Clocarpramine*

[47739-98-0]



$C_{28}H_{37}ClN_4O$ M 481.080

Antidepressant, neuroleptic, antipsychotic.

▷Teratogenic

B,2HCl: [28058-62-0]. *Clocapramine dihydrochloride, JAN. Clofekton. Y-4153.* Bitter-tasting powder + $1H_2O$. Mp 267°.

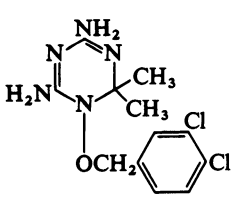
▷HN8575000.

Nakanishi, M. *et al, J. Med. Chem.*, 1970, **13**, 644 (*synth*)
Hamada, Y., *Oyo Yakuri*, 1971, **5**, 663 (*tox*)
Nakanishi, M. *et al, Arzneim-Forsch.*, 1971, **21**, 391 (*pharmacol*)
Nakanishi, M. *et al, J. Pharm. Soc. Jpn.*, 1971, **91**, 1042 (*metab*)
Ueda, I. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 422 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12582.

Clociguanil, INN, BAN **C-00442**

1-[(3,4-Dichlorophenyl)methoxy]-1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamine, 9CI. *4,6-Diamino-1-[(3,4-dichlorobenzyl)oxy]-1,2-dihydro-2,2-dimethyl-s-triazine,* 8CI

[3378-93-6]



$C_{12}H_{15}Cl_2N_5O$ M 316.189

Folic acid antagonist, antimalarial agent.

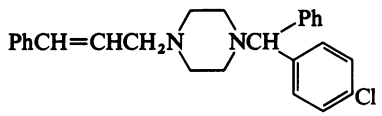
B,HCl: [23573-50-4]. *BRL 50216. WR 38839.* Mp 226°.

Mamalis, P. *et al, J. Med. Chem.*, 1965, **8**, 684 (*synth, pharmacol*)
Ger. Pat., 1 813 243, (*1969*); *CA*, **71**, 81437p (*synth*)
McCormick, G.J. *et al, Exp. Parasitol.*, 1971, **30**, 88 (*pharmacol*)
Ammon, H.L. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 3106 (*cryst struct*)

Clocinizine, INN **C-00443**

1-[(4-Chlorophenyl)phenylmethyl]-4-(3-phenyl-2-propenyl)piperazine, 9CI. *1-(p-Chloro-α-phenylbenzyl)-4-cinnamylpiperazine,* 8CI. *Chlorcinnazine. Ilagan*

[298-55-5]



$C_{26}H_{27}ClN_2$ M 402.966

Antihistamine, antiinflammatory agent.

B,HCl: [56620-35-0]. Mp 200-201°.

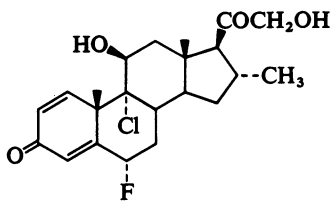
B,2HCl: [39245-23-3]. Component of Denoral.

Ger. Pat., 2 220 242, (*1972*); *CA*, **78**, 29815r (*synth*)
Truchaud, M. *et al, Gaz. Med. Ital.*, 1975, **134**, 550 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12583.

Clocortolone, INN **C-00444**

9-Chloro-6α-fluoro-11β,21-dihydroxy-16α-methyl-pregna-1,4-diene-3,20-dione, 8CI

[4828-27-7]



$C_{22}H_{28}ClFO_4$ M 410.912

Glucocorticoid. Antiinflammatory and antiallergic. Cryst. ($MeOH/CH_2Cl_2$). Mp 254° dec.

21-Ac: [4258-85-9]. ***Clocortolone acetate, USAN.*** *SH 818.*

$C_{24}H_{30}ClFO_5$ M 452.949

Antiinflammatory and antiallergic agent. Cryst. ($MeOH/CH_2Cl_2$). Mp 252° dec.

21-(2,2-Dimethylpropanoyl): [34097-16-0]. ***Clocortolone pivalate, USAN.*** *Clocortolone trimethylacetate. Cilder. Cloderm. Purantix. CL 68. SH 863.*

$C_{27}H_{36}ClFO_5$ M 495.030

Antiinflammatory and antiallergic agent. Solid. Mp 233-235° dec.

21-Hexanoyl: [4891-71-8]. ***Clocortolone caproate.***

$C_{28}H_{38}ClFO_5$ M 509.057

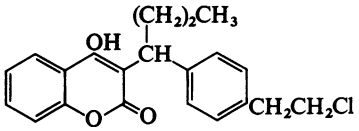
Antiinflammatory and antiallergic agent. Cryst. (Me_2CO/hexane). Mp 157-159°.

Netherlands Pat., 6 412 708, (*1965*); *CA*, **63**, 18232e (*synth, pharmacol*)
Ger. Pat., 2 011 559, (*1971*); *CA*, **76**, 14809 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12584.

Clocoumarol, INN **C-00445**

3-[1-[4-(2-Chloroethyl)phenyl]butyl]-4-hydroxy-2H-1-benzopyran-2-one, 9CI. *3-[p-(2-Chloroethyl)-α-propylbenzyl]-4-hydroxycoumarin. DB 112*

[35838-63-2]



$C_{21}H_{21}ClO_3$ M 356.848

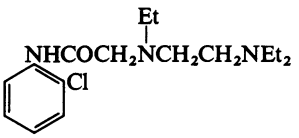
Anticoagulant. Cryst. (C_6H_6/MeOH). Mp 135-136°.

Thonnart, N. *et al, Arch. Int. Pharmacodyn. Ther.*, 1972, **197**, 408 (*pharmacol*)
Thonnart, N. *et al, C.R. Soc. Biol.*, 1973, **167**, 1081 (*pharmacol*)
B.P., 1 347 921, (*1974*); *CA*, **81**, 3770j (*synth*)
Vanhaelen, M., *J. Chromatogr.*, 1976, **129**, 397 (*hplc, tlc*)
Thonnart, N. *et al, J. Med. Chem.*, 1977, **20**, 604 (*metab*)

Clodacaine, INN **C-00446**

2'-Chloro-2-[[2-(diethylamino)ethyl]ethylamino]-acetanilide

[5626-25-5]



$C_{16}H_{26}ClN_3O$ M 311.854

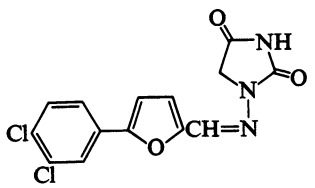
Local anaesthetic. $Bp_{0.1}$ 158°.

Koelzer, P.P. *et al, Arzneim.-Forsch.*, 1958, **9**, 262 (*synth, pharmacol, tox*)

Clodanolene, USAN, INN **C-00447**

1-[[[5-(3,4-Dichlorophenyl)-2-furanyl]methylene]-amino]-2,4-imidazolidinedione, 9CI. *1-[[5-(3,4-Dichlorophenyl)furfurylidene]amino]hydantoin,* 8CI. *F 413*

[14796-28-2]



$C_{14}H_9Cl_2N_3O_3$ M 338.149

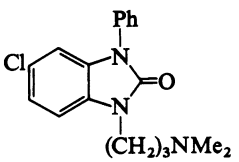
Skeletal muscle relaxant. Mp 274-276°.

Snyder, H.R. *et al, J. Med. Chem.*, 1967, **10**, 807 (*synth, pharmacol*)
Ellis, K.O. *et al, J. Med. Chem.*, 1977, **21**, 127 (*pharmacol*)

Clodazon, INN **C-00448**

5-Chloro-1-[3-(dimethylamino)propyl]-1,3-dihydro-3-phenyl-2H-benzimidazol-2-one, 9CI. *5-Chloro-1-[3-(dimethylamino)propyl]-3-phenyl-2-benzimidazolinone,* 8CI

[4755-59-3]



$C_{18}H_{20}ClN_3O$ M 329.829

Antidepressant. $Bp_{0.03}$ 163°.

▷DE1800000.

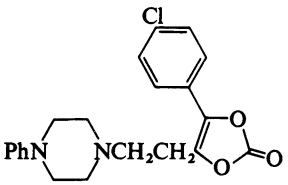
B,HCl: [31959-88-3]. *Clodazon hydrochloride,* USAN. *AW 142446. HUF 2446.* Cryst. + $1H_2O$. Mp 180-182°.

Belg. Pat., 659 364, (*1965*); *CA*, **64**, 2093 (*synth*)
Stille, G. *et al, Int. Pharmacopsychiatry*, 1968, **1**, 214 (*pharmacol*)
Lambert, P. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 2656 (*cryst struct*)

Clodoxopone, INN **C-00449**

4-(4-Chlorophenyl)-5-[2-(4-phenyl-1-piperazinyl)-ethyl]-1,3-dioxol-2-one, 9CI. *LR 19731*

[71923-34-7]



$C_{21}H_{21}ClN_2O_3$ M 384.862

Anticholesteraemic agent.

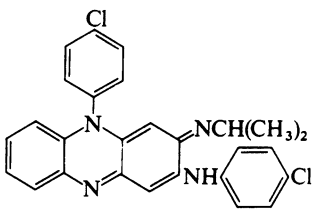
B,2HCl: [71923-01-8]. Mp 262-265°.

Belg. Pat., 874 561, (*1979*); *CA*, **91**, 193289 (*synth, pharmacol*)
Fregnan, G.B. *et al, Pharmacology*, 1981, **22**, 311 (*tox, pharmacol*)
Cascio, G. *et al, J. Med. Chem.*, 1985, **28**, 815 (*synth, pharmacol*)

Clofazimine, BAN, USAN, INN **C-00450**

N,10-Bis(4-chlorophenyl)-2,10-dihydro-2-[(1-methylethyl)imino]-3-phenazinamine, 9CI. *3-(p-Chloroanilino)-10-(p-chlorophenyl)-2,10-dihydro-2-isopropylimino)phenazine,* 8CI. *Riminophenazine. Hansepran. Lamprene. B 663. G 30320. NSC 141046*

[2030-63-9]



$C_{27}H_{22}Cl_2N_4$ M 473.404

Two cryst. forms known. Antileprosy, antitubercular drug. Red-orange prisms (Me_2CO); deep-red cryst. (DMF). Mp 211-213°

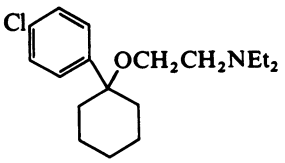
▷SG1578000.

Barry, V.C. *et al, J. Chem. Soc.*, 1956, 3347; 1958, 859 (*synth*)
Vischer, E., *Arzneim.-Forsch.*, 1968, **18**, 1529 (*pharmacol*)
Currey, H.L.F. *et al, Br. J. Pharmacol.*, 1972, **45**, 676 (*pharmacol*)
Feng, P.C.C. *et al, Drug Metab. Dispos.*, 1981, **9**, 521 (*metab*)
Eggleston, D.S. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 288 (*cryst struct*)
O'Sullivan, J.F., *J. Chem. Res. (S)*, 1984, 52 (*synth*)
Rychlewska, U. *et al, J. Am. Chem. Soc.*, 1985, **107**, 4768 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6553.

Clofenciclan, INN C-00451

2-[[1-(4-Chlorophenyl)cyclohexyl]oxy]-N,N-diethylethanamine, 9CI. 2[[1-(4-Chlorophenyl)cyclohexyl]oxy]triethylamine, 8CI. 1-p-Chlorophenyl-1-(2-diethylaminoethoxy)cyclohexane. Chlorphencyclan

[5632-52-0]



$C_{18}H_{28}ClNO$ M 309.878

Parasympatholytic drug, psychostimulant. $Bp_{0.8}$ 145-152°.

▷YE1127000.

B,HCl: [13352-70-0]. *KSW 788.* Mp 145-146°. Ingredient of Vesitan.

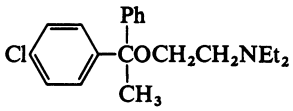
▷HZ9625000.

Stach, K. *et al, Arzneim.-Forsch.*, 1962, **12**, 25 (*synth, pharmacol*)

Clofenetamine, INN C-00452

2-[1-(4-Chlorophenyl)-1-phenylethoxy]-N,N-diethylethanamine, 9CI. 2-(p-Chloro-α-methyl-α-phenylbenzyloxy)triethylamine. β-Diethylaminoethyl (p-chloro-α-methylbenzhydryl) ether. Keithon. Phenoxethamine

[511-46-6]



$C_{20}H_{26}ClNO$ M 331.885

(±)-form

Tranquilliser, antihistamine, antiparkinsonian, anticholinergic agent. $Bp_{0.02}$ 142-147°.

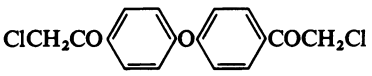
B,HCl: [2019-16-1]. Hygroscopic cryst. Mp 138°.

Ger. Pat., 952 715, (*1956*); *CA*, **53**, 8074i (*synth, pharmacol*)
Awe, W. *et al, Pharm. Ztg.*, 1962, **107**, 1333 (*tlc*)
Kerley, L. *et al, Toxicol. Appl. Pharmacol.*, 1962, **4**, 638 (*tox*)

Clofenoxyde, INN C-00453

1,1'-(Oxydi-4,1-phenylene)bis[2-chloroethanone], 9CI. 4',4'''-Oxybis[2-chloroacetophenone], 8CI. 4,4'-Bis(chloroacetyl)diphenyl ether. Stamycil. 2087 CB

[3030-53-3]



$C_{16}H_{12}Cl_2O_3$ M 323.175

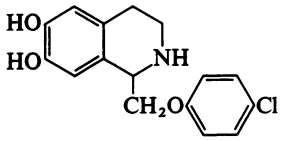
Antifungal agent. Amber cryst. (EtOAc). Mp 109-110°.

Fr. Pat., M1606, (*1963*); *CA*, **58**, 11173e (*synth, pharmacol*)
Huang, S.J. *et al, J. Appl. Polym. Sci.*, 1980, **25**, 1951 (*synth*)

Clofeverine, INN C-00454

1-[(4-Chlorophenoxy)methyl]-1,2,3,4-tetrahydro-6,7-isoquinolinediol, 9CI

[54340-63-5]



$C_{16}H_{16}ClNO_3$ M 305.760

(±)-form

Smooth muscle relaxant, spasmolytic.

B,HBr: [55862-60-7]. Cryst. ($MeOH/Et_2O$). Mp 232-233°.

B,HCl: [37969-58-7]. *FR 1949.* Mp 226°.

Ger. Pat., 2 434 310, (*1975*); *CA*, **82**, 171068a (*synth*)
U.S.P., 4 292 320, (*1981*); *CA*, **96**, 6609 (*synth, props*)

Clofexamide, INN C-00455

2-(4-Chlorophenoxy)-N-[2-(diethylamino)ethyl]-acetamide, 9CI, 8CI. Amichlophen. ANP 246

[1223-36-5]



$C_{14}H_{21}ClN_2O_2$ M 284.785

Antiinflammatory agent, analgesic; plant growth regulator, antidepressant. Component of Clofezone, Panas, Perclusone, Perclustop and Reufinis.

▷AB5822500.

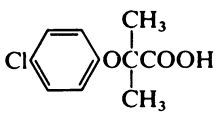
B,HCl: [3482-74-4]. Mp 119°.

Thuillier, G. *et al, Bull. Soc. Chim. Fr.*, 1960, 1786 (*synth, use*)
Par, G. *et al, Arzneim.-Forsch.*, 1964, **14**, 556 (*pharmacol*)
Thuillier, G., *Chim. Ther.*, 1966, **2**, 82 (*pharmacol*)
Irino, O. *et al, Chem. Pharm. Bull.*, 1972, **20**, 47 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12585.

Clofibric acid, INN C-00456

2-(4-Chlorophenoxy)-2-methylpropanoic acid. 4-Chlorophenoxyisobutyric acid. Arteriohom. Clofenat. Regulipid. NSC 1149

[882-09-7]



$C_{10}H_{11}ClO_3$ M 214.648

Lipid regulating agent. Cryst. ($MeOH$ or H_2O). Mp 118-119°. Also used as compd. with xanthinol (Xantifibrate, INN).

▷UE9455000.

Magnesium salt (2:1): [14613-30-0]. *Magnesium clofibrate, INN. Clomag. Reliveran. UR 112.*
$C_{20}H_{20}Cl_2MgO_6$ M 451.585
Antiatherosclerotic agent. Powder. Mp 326-328°. Component of Davistar.

Calcium salt (2:1): [39087-48-4]. *Calcium clofibrate, INN. Clofical. Dabical. Normolipem. RU 19583.*
$C_{20}H_{20}CaClO_6$ M 431.907
Antiatherosclerotic agent.

Aluminium compd. (2:1): [14613-01-5]. *Aluminum clofibrate, INN. Bis[2-(p-chlorophenoxy)-2-methylpropionato]hydroxyaluminum. Alufibrate. Other proprietary names.*
$C_{20}H_{21}AlCl_2O_7$ M 471.269
Antiatherosclerotic agent.

Pyridoxine salt (1:1): [29952-87-2]. *Claresan. Hubber-Lip. Reglipe.* Hypolipaemic.

Et ester: **Clofibrate, INN, USAN.** *Ethyl 2-(4-chlorophenoxy)-2-methylpropanoate. Amotril. Anparton. Numerous proprietary names.*
$C_{12}H_{15}ClO_3$ M 242.702
Antiatherosclerotic agent. Oil. Bp_{20} 148-150°. Rapidly metabolises *in vivo* to free acid.

Ester with 4-hydroxy-N,N-dimethylbutyramide: [26717-47-5]. *4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, 9CI. Competil. Evimot. Sinceral. MG 46.* **Clofibride, INN.**
$C_{16}H_{22}ClNO_4$ M 327.807
Choleretic and hypocholesterolaemic agent. Mp 34°. $Bp_{0.1}$ 175°.

▷UE9458000.

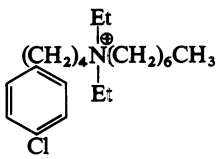
3-Pyridylmethyl ester: see Nicofibrate, N-00097
Etophylline ester: see Theofibrate, T-00168

Gilman, H. *et al, J. Am. Chem. Soc.*, 1955, **77**, 6644 (*synth*)
B.P., 860 303, (*1961*); *CA*, **55**, 24680 (*synth, Clofibrate*)
Oliver, M.F., *Prog. Biochem. Pharmacol.*, 1967, **2**, 315 (*rev, pharmacol*)
Witiak, D.T. *et al, J. Med. Chem.*, 1968, **11**, 1086; 1971, **14**, 754 (*synth, pharmacol*)
De Lage, C. *et al, J. Eur. Toxicol.*, 1972, **5**, 239 (*tox*)
Nordmann, J. *et al, Therapie*, 1972, **27**, 339 (*pharmacol*)
Nordmann, J. *et al, Chim. Ther.*, 1973, **8**, 342 (*synth, pharmacol, Clofibride*)
Diding, E. *et al, Acta Pharm. Suec.*, 1976, **13**, 55 (*ms*)
Kracmar, J. *et al, Pharmazie*, 1976, **31**, 363 (*uv*)
Loiseau, G.P. *et al, J. Pharm. Pharmacol.*, 1980, **32**, 483 (*metab*)
Hassan, M.M.A., *et al, Anal. Profiles Drug Subst.*, 1982, **11**, 197 (*rev*)
Kennard, C.H.L. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 868 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1500.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1341, 1342, 1345.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 798.

Clofilium(1+) C-00457

4-Chloro-N,N-diethyl-N-heptylbenzenebutanaminium, 9CI

[68379-02-2]



$C_{21}H_{37}ClN^{\oplus}$ M 338.983 (ion)
Cardiac depressant, antiarrhythmic agent.

Phosphate (1:1): [68379-03-3]. *Clofilium phosphate, USAN, INN. LY 150378.*
$C_{21}H_{39}ClNO_4P$ M 435.970
No phys. props. reported.

Steinberg, M.I. *et al, Life Sci.*, 1979, **25**, 1397 (*pharmacol*)
U.S.P., 4 289 787, (*1981*); *CA*, **96**, 68564 (*synth*)
Steinberg, M.I. *et al, New Drugs Annu.: Cardiovasc. Drugs*, 1984, **2**, 103 (*rev, pharmacol*)
Morgan, T.K. *et al, J. Med. Chem.*, 1986, **29**, 1398 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16585.

Cloflucarban, USAN C-00458

N-(4-Chlorophenyl)-N'-[4-chloro-3-(trifluoromethyl)phenyl]urea, 9CI. 4,4'-Dichloro-3-(trifluoromethyl)carbanilide, 8CI. **Halocarban, INN.** *Erisan-TC. Irgasan CF 3*

[369-77-7]



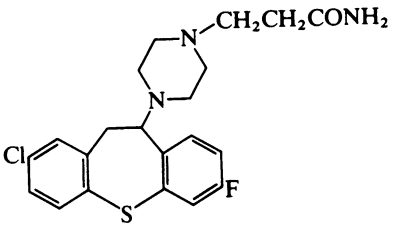
$C_{14}H_9Cl_2F_3N_2O$ M 349.139
Disinfectant. Insol. H_2O. Mp 214-215°.

B.P., 774 802, (*1957*); *CA*, **51**, 12139a (*synth, pharmacol*)
Hiles, R.A., *Food Cosmet. Toxicol.*, 1977, **15**, 205 (*metab, tox*)

Cloflumide C-00459

4-(2-Chloro-7-fluoro-10,11-dihydrodibenzo[b,f]thiepin-10-yl)-1-piperazinepropanamide, 9CI. Chloflumid

[104821-36-5]



$C_{21}H_{23}ClFN_3OS$ M 419.944

(±)-form
Neuroleptic. Cryst. (EtOH). Mp 183-184°.

B,MeSO$_3$H: [104821-37-6]. *VUFB 15496.* Cryst. (EtOH/Et_2O). Mp 172-173°.

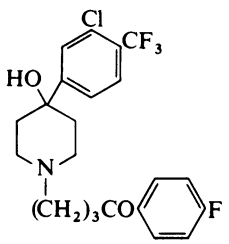
Maleate (1:1): [105419-52-1]. Cryst. (EtOH). Mp 124-127°.

Protiva, M. *et al, Act. Nerv. Super.*, 1986, **28**, 295, 297 (*synth, pharmacol*)
Protiva, M. *et al, Collect. Czech. Chem. Commun.*, 1986, **51**, 2598 (*synth, pharmacol*)
Lapka, R. *et al, Eur. J. Drug Metab. Pharmacokinet.*, 1987, **12**, 103 (*metab*)

Clofluperol, BAN, INN C-00460

4-[-[4-Chloro-3-(trifluoromethyl)phenyl]-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, 9CI. 4-[4-(4-Chloro-α,α,α-trifluoro-m-tolyl)-4-hydroxypiperidino]-4'-fluorobutyrophenone, 8CI. PJ 929. R 9298

[10457-91-7]



$C_{22}H_{22}ClF_4NO_2$ M 443.868
Neuroleptic, tranquilliser.

B,HCl: [17230-87-4]. *Seperidol hydrochloride, USAN.* Cryst. (EtOH/Et_2O). Mp 203.5-206°.

▷EU2100000.

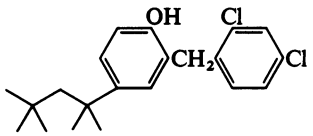
B.P., 1 141 664, (*1969*); *CA*, **70**, 96635 (*synth, pharmacol*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1969, **19**, 199 (*metab*)

Mishkinsky, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94 (*pharmacol*)
Blessington, B., *Org. Mass. Spectrom.*, 1971, **5**, 1113 (*ms*)

Clofoctol, INN C-00461

2-[(2,4-Dichlorophenyl)methyl]-4-(1,1,3,3-tetramethylbutyl)phenol, 9CI. *α-(2,4-Dichlorophenyl)-4-(1,1,3,3-tetramethylbutyl)-o-cresol. Octofene*

[37693-01-9]



$C_{21}H_{26}Cl_2O$ M 365.342

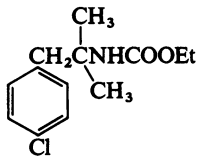
Bacteriostatic agent effective only against gram-positive bacteria. Cryst. (pet. ether). Mp 78°. LD_{50} >4g/kg, p.o. in rats.

Ger. Pat., 2 140 765, (*1972*); *CA*, **77**, 61556x (*synth, pharmacol, tox*)
Neuman, M., *Med. Actual*, 1979, **15**, 171 (*rev*)
Simonnet, F. *et al*, *J. Pharmacol.*, 1979, **10**, 303 (*pharmacol, tox*)
Busgo, A., *Drugs Exp. Clin. Res.*, 1984, **10**, 321 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12586.

Cloforex, INN C-00462

Ethyl [2-(4-chlorophenyl)-1,1-dimethylethyl]-carbamate, 9CI. *Ethyl (p-chloro-α,α-dimethylphenethyl)carbamate*, 8CI. *Aderan-Sostenido. Avicol-SL. Frenapyl. Lipociden. Oberex. Vidipon. Zeisin. D 237*

[14261-75-7]



$C_{13}H_{18}ClNO_2$ M 255.744

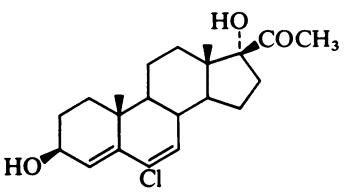
Anorexic agent. Mp 52.5-53°. $Bp_{0.005}$ 88-90°.

Spanish Pat., 343 283, (*1968*); *CA*, **70**, 67875c (*synth*)
Ryrfeldt, A., *Acta Pharmacol. Toxicol.*, 1970, **28**, 391 (*metab*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Budd, R.D., *Clin. Toxicol.*, 1981, **18**, 317 (*anal*)
Woodward, S.C., *J. Toxicol. Environ. Health*, 1981, **7**, 569 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12587.

Clogestone, BAN, INN C-00463

6-Chloro-3,17-dihydroxypregna-4,6-dien-20-one, 9CI

[20047-75-0]



$C_{21}H_{29}ClO_3$ M 364.911

Progestin.

Di-Ac: [3044-32-4]. ***Clogestone acetate, USAN.*** *AY 11440.*

$C_{25}H_{33}ClO_5$ M 448.986

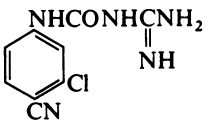
Progestin. Mp 234° (198-201°). $[\alpha]_D$ −87° ($CHCl_3$).

Belg. Pat., 646 951, (*1964*); *CA*, **63**, 11668 (*synth*)
Revesz, C. *et al*, *Steroids*, 1967, **10**, 291 (*props*)
U.S.P., 3 386 994, (*1968*); *CA*, **69**, 106966 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9030.

Cloguanamil, BAN, INN C-00464

N-(*Aminoiminomethyl*)-N′-(*3-chloro-4-cyanophenyl*)-*urea*, 9CI. *1-Amidino-3-(3-chloro-4-cyanophenyl)urea*, 8CI. *57 C 65*

[21702-93-2]



$C_9H_8ClN_5O$ M 237.648

Antimalarial. Mp 213°.

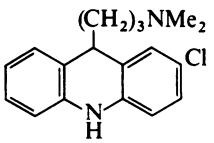
Ethanesulphonate (1:1): [35747-64-9]. Mp 224°.

South African Pat., 03 761, (*1967*); *CA*, **70**, 67955d (*synth, pharmacol*)
Gilbert, D. *et al*, *Br. J. Pharmacol.*, 1975, **55**, 117 (*pharmacol*)

Clomacran, BAN, INN C-00465

2-Chloro-9,10-dihydro-N,N-dimethyl-9-acridinepropanamine, 9CI. *2-Chloro-9-[3-(dimethylamino)propyl]-acridan*, 8CI

[5310-55-4]



$C_{18}H_{21}ClN_2$ M 300.830

Tranquilliser.

▷AR6972000.

Phosphate (1:1): [22199-46-8]. *Clomacran phosphate*, USAN. *Develar. Devryl. Olaxin. SKF 14336.*

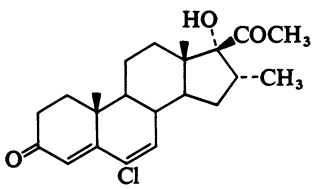
▷AR6972100.

Ger. Pat., 1 470 245, (*1973*); *CA*, **78**, 147825s (*synth*)
Fowler, P. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 866 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7026.

Clomegestone, INN C-00466

6-Chloro-17-hydroxy-16α-methylpregna-4,6-diene-3,20-dione, 9CI, 8CI

[5367-84-0]



$C_{22}H_{29}ClO_3$ M 376.922

Progestin. Mp 200-202°.

17-Ac: [424-89-5]. ***Clomegestone acetate, USAN.*** *SH 741.*

$C_{24}H_{31}ClO_4$ M 418.960

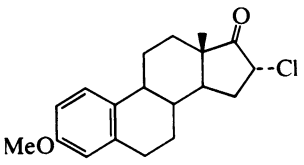
Progestin. Mp 194-195°.

Belg. Pat., 621 981, (*1963*); *CA*, **59**, 10186a (*synth, pharmacol*)
Dorfman, R.I. *et al*, *Steroids*, 1963, **1**, 185 (*props*)
Netherlands Pat., 6 507 381, (*1966*); *CA*, **64**, 12766 (*deriv*)
U.S.P., 3 386 994, (*1968*); *CA*, **69**, 106766 (*deriv*)

Clomestrone C-00467

16-Chloro-3-methoxyestra-1,3,5(10)-trien-17-one, 9CI. Arterolo. Atheran. Colesterel. Iposclerone. Liprotene. Persclerol. SC 8246. Other proprietary names

[4091-75-2]



$C_{19}H_{23}ClO_2$ M 318.843

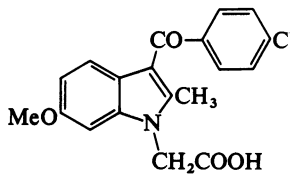
Hypocholesterolaemic agent. Cryst. ($CHCl_3$ or MeCN). Mp 179-180°. $[\alpha]_D$ +161° ($CHCl_3$).

Mueller, G.P. *et al, J. Am. Chem. Soc.*, 1958, **80**, 1769 (*synth, props*)
Fr. Pat., 1 350 100, (*1964*); *CA*, **61**, 5720 (*synth, props*)
Nambara, T. *et al, Chem. Pharm. Bull.*, 1971, **19**, 2096 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5305.

Clometacin, INN C-00468

3-(4-Chlorobenzoyl)-6-methoxy-2-methyl-1H-indole-1-acetic acid, 9CI. Dupêran. Mindolic acid. C 1656. R 3959

[25803-14-9]



$C_{19}H_{16}ClNO_4$ M 357.793

Analgesic, antiinflammatory agent. Mp 234°.

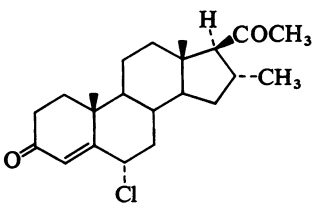
▷NL3490000.

Allais, A. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 187 (*synth, pharmacol*)
Van Cantfort, J. *et al, J. Pharm. Belg.*, 1982, **37**, 401, 410, 418 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2629.

Clometherone, USAN C-00469

*6α-Chloro-16α-methylpregn-4-ene-3,20-dione, 9CI, 8CI. 6α-Chloro-16α-methylprogesterone. **Clometerone, INN**. L 38000*

[5591-27-5]



$C_{22}H_{31}ClO_2$ M 362.939

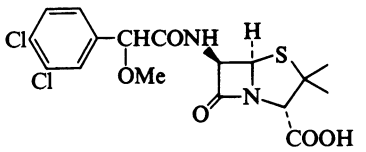
Antioestrogen. Cryst. (Et_2O). Mp 189-192°. $[\alpha]_D$ +120.6° ($CHCl_3$).

Rapala, R.T. *et al, J. Med. Chem.*, 1962, **5**, 1049 (*synth, pharmacol*)

Clometocillin, INN C-00470

6-(α-Methoxy-3,4-dichlorophenylacetamido)-penicillanic acid. Chlomethocillin

[1926-49-4]



$C_{17}H_{18}Cl_2N_2O_5S$ M 433.306

D-isomer more potent. Semisynthetic penicillin. Racemic at side-chain α-position. Epimers can be separated by fractional crystallisation of Na salt.

Mono K salt: [15433-28-0]. *Rixapen. RIT 356.*

L-form

Na salt: Mp 180-183° dec. $[\alpha]_D^{20}$ +261° (c, 0.02 in H_2O).

D-form

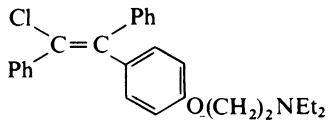
Na salt: Mp 232-235° dec. $[\alpha]_D^{20}$ +182° (c, 0.02 in H_2O).

Vanderhaeghe, H. *et al, Antimicrob. Agents Chemother.*, 1961, 581 (*synth*)
van Dijck, P.J. *et al, Antibiot. Chemother.*, 1962, **12**, 187, 192 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 57.

Clomiphene, BAN C-00471

2-[4-(2-Chloro-1,2-diphenylethenyl)phenoxy]-N,N-diethylethanamine, 9CI. 2-[p-(2-Chloro-1,2-diphenylvinyl)phenoxy]triethylamine, 8CI

[911-45-5]



$C_{26}H_{28}ClNO$ M 405.966

Mp 116.5-118°. Mainly used as mixture of isomers.

▷YE0800000.

Citrate (1:1): [50-41-9]. *Clomiphene citrate, USAN. Numerous proprietary names.*

▷YE0875000.

N-*Oxide:* [97642-74-5]. ***Clomifenoxide, INN***.
$C_{26}H_{28}ClNO_2$ M 421.966
Gonad stimulant. Antioestrogen.

(E)-form [15690-57-0]
Enclomiphene, USAN. *Enclomifene, INN. Cisclomiphene. RMI 16289*
Gonadotrophin inhibitor, antioestrogenic. Gonad-stimulant.

▷YE0810000.

Citrate: Sl. sol. H_2O, $CHCl_3$, insol. Et_2O. Mp 116.5-118°.

▷Exp. teratogen. YE0875000.

(Z)-form [15690-55-8]
Zuclomiphene, USAN. *Zuclomifene. Transclomiphene. ICI 46476. RMI 16312*
Gonad stimulant.

▷YE0820000.

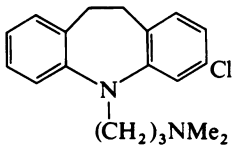
Bishop, P.M.F., *Brit. Med. Bull.*, 1970, **26**, 22 (*pharmacol*)
Ger. Pat., 2 224 240, (*1972*); *CA*, **78**, 58036t (*synth*)
Ernst, S. *et al, Acta Crystallogr., Sect. B*, 1976, **32**, 291 (*cryst struct*)

Ernst, S. *et al*, *J. Pharm. Sci.*, 1976, **65**, 148 (*stereochem*)
Crawley, G.C., *Kirk-Othmer Encycl. Chem. Technol.* 3rd Ed., 1980, **12**, 658 (*rev, pharmacol, tox*)
Clark, J.H. *et al*, *Pharmacol. Ther.*, 1981, **15**, 467 (*rev, pharmacol*)
Adashi, E.Y., *Fertil. Steril.*, 1984, **42**, 331 (*rev*)
Dolginova, E.M. *et al*, *Khim.-Farm. Zh.*, 1984, **18**, 1318 (*synth, pharmacol*)
Rao, P.N. *et al*, *J. Labelled Compd. Radiopharm.*, 1985, **22**, 245 (*synth*)
Birkenfeld, A. *et al*, *Hum. Reprod.*, 1986, **1**, 387 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7396.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9031.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2356.

Clomipramine, BAN, INN C-00472

*3-Chloro-10,11-dihydro-*N,N*-dimethyl-5*H*-dibenz*[b,f]*-azepine-5-propanamine, 9CI. 3-Chloro-5-(3-dimethylaminopropyl)-10,11-dihydrodibenz*[b,f]*azepine, 8CI. Chlorimipramine. G 34586*

[303-49-1]



$C_{19}H_{23}ClN_2$ M 314.857
Antidepressant. $Bp_{0.3}$ 160-170°.
▷HN9050000.

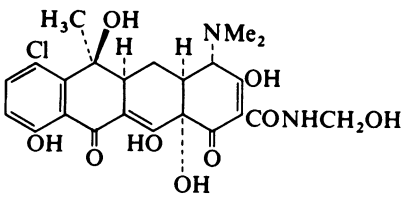
B,HCl: [17321-77-6]. *Clomipramine hydrochloride, JAN, USAN. Hydiphen. Maronil. Neoprex. Anafranil.* Mp 189-192°.
▷HN9055000.

Craig, P.N. *et al*, *J. Org. Chem.*, 1961, **26**, 135 (*synth*)
Theobald, W. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 561 (*pharmacol*)
Eckhardt, G. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 1073 (*ms*)
Post, M.L. *et al*, *Acta Crystallogr.*, 1977, **33**, 2590 (*cryst struct*)
Ollagnier, M. *et al*, *Therapie*, 1984, **39**, 237 (*props*)
Craik, D.J. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 188 (*cmr, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2507.

Clomocycline, BAN, INN C-00473

Chlormethylenecycline. N^2*-(Hydroxymethyl)-chlorotetracycline. Megaclor*

[1181-54-0]



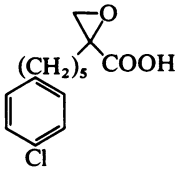
$C_{23}H_{25}ClN_2O_9$ M 508.912
Semisynthetic tetracycline. Prepared from Chlorotetracycline by reaction with formaldehyde. Biol. props. similar to Chlorotetracycline. Yellow solid. Mp 145-170° dec.

Banci, F. *et al*, *Boll. Chim. Farm.*, 1963, **102**, 471 (*props*)
Belg. Pat., 628 142, (*1964*); *CA*, **60**, 15805 (*synth*)
Tubaro, E. *et al*, *Arzneim.-Forsch.*, 1964, **5**, 95 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 58, 59.

Clomoxir, INN C-00474

2-[5-(4-Chlorophenyl)pentyl]oxiranecarboxylic acid, 9CI. 2-[5-(4-Chlorophenyl)pentyl]glycidic acid. POCA

[88431-47-4]



$C_{14}H_{17}ClO_3$ M 268.740
Hypoglycaemic, cardioprotective agent.

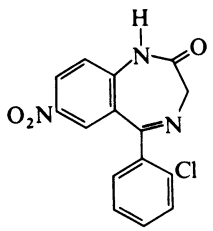
Na salt: [78573-70-3]. *Clomoxir sodium. B 807-27.* Cryst. Mp 136-142°.
Et ester: [78573-55-4]. Oil. $Bp_{0.3}$ 148-150°.

Voelter, W. *et al*, *J. Chromatogr.*, 1981, **217**, 491 (*hplc*)
Eistetter, K. *et al*, *J. Med. Chem.*, 1982, **25**, 109 (*synth, pharmacol*)
Wolf, H.P.O. *et al*, *Diabetologia*, 1982, **22**, 456 (*pharmacol*)
Seitelberger, R. *et al*, *J. Cardiovasc. Pharmacol.*, 1985, **7**, 273 (*pharmacol*)
Sherratt, H.S.A. *et al*, *AOCS Monogr.*, 1985, **13**, 247 (*rev*)

Clonazepam, BAN, INN, JAN, USAN C-00475

*5-(2-Chlorophenyl)-1,3-dihydro-7-nitro-2*H*-1,4-benzodiazepin-2-one, 9CI, 8CI. Antelepsin. Clonex. Clonopin. Iktoril. Landsen. Rivotril. Ro 5-4023. Other proprietary names*

[1622-61-3]



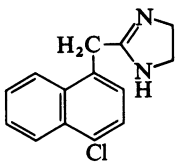
$C_{15}H_{10}ClN_3O_3$ M 315.715
Anticonvulsant. Cryst. ($EtOH/CH_2Cl_2$). Mp 236.5-238.5°. May be addictive.
▷DF2100000.

Sternbach, L.H. *et al*, *J. Med. Chem.*, 1963, **6**, 261 (*synth*)
Blum, J.E. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 377 (*pharmacol*)
Pinder, R.M. *et al*, *Drugs*, 1976, **12**, 321 (*rev, pharmacol*)
Winslow, W.C. *et al*, *Anal. Profiles Drug Subst.*, 1977, **6**, 61 (*rev*)
Chananont, P. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 393 (*cryst struct*)
Scahill, T.A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 280 (*N-15 nmr, pmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3403.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6606.

Clonazoline, INN **C-00476**

2-[(4-Chloro-1-naphthyl)methyl]-2-imidazoline, 8CI. *4,5-Dihydro-2-[(4-chloro-1-naphthyl)methyl]-1H-imidazole*

[17692-28-3]



$C_{14}H_{13}ClN_2$ M 244.723

Vasoconstrictor. Mp 142-143°. $Bp_{0.4}$ 197°.

B,HCl: [23593-08-0]. Mp 256-257°.

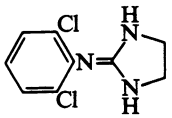
B,HNO_3: [23593-09-1]. Mp 193-194°.

B.P., 1 158 250, (*1969*); *CA*, **71**, 91477r (*synth, pharmacol*)

Clonidine, BAN, INN, USAN **C-00477**

N-(2,6-Dichlorophenyl)-4,5-dihydro-1H-imidazol-2-amine, 11CI. *2,6-Dichloro-N-2-imidazolidinylideneben-zenamine,* 9CI. *2-(2,6-Dichloroanilino)-2-imidazoline,* 8CI. *Catapressan. Numerous proprietary names*

[4205-90-7]



$C_9H_9Cl_2N_3$ M 230.096

Formerly assumed to have the imidazoline struct.

Antihypertensive drug. Mp 136-138°.

B,HCl: [4205-91-8]. *Clonidine hydrochloride,* USAN, INN. *Catapres.* Mp 310-312°.

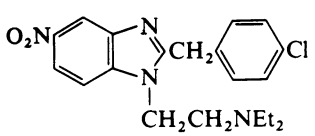
▷NJ2490000.

Rouot, B. *et al, J. Med. Chem.*, 1976, **19**, 1049 (*synth, pharmacol*)
Draffan, G.H. *et al, Adv. Mass Spectrom.*, 1977, **2**, 389 (*ms*)
Walland, A. *et al, Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 67 (*rev, pharmacol*)
Timmermans, P.B. *et al, Recl. Trav. Chim. Pays-Bas*, 1978, **97**, 51 (*synth, props*)
Cody, V. *et al, J. Cryst. Mol. Struct.*, 1980, **9**, 33 (*cryst struct*)
Reid, J.L., *Br. J. Clin. Pharmacol.*, 1981, **12**, 295 (*rev, pharmacol*)
Carpy, A. *et al, Mol. Pharmacol.*, 1982, **21**, 400 (*struct*)
Ayyangar, N.R. *et al, Synthesis*, 1987, 64 (*synth*)
Jarrott, B. *et al, Clin. Exp. Pharmacol. Physiol.*, 1987, **14**, 471 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 857.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1131 (*synonyms*)

Clonitazene, BAN, INN **C-00478**

2-[(4-Chlorophenyl)methyl]-N,N-diethyl-5-nitro-1H-benzimidazole-1-ethanamine, 9CI. *2-(p-Chlorobenzyl)-1-(2-diethylaminoethyl)-5-nitrobenzimidazole,* 8CI. *Clo-bedolum. C 193901. Ciba 19390. NIH 7586*

[3861-76-5]



$C_{20}H_{23}ClN_4O_2$ M 386.880

Narcotic analgesic. Mp 75-76°.

B,HCl: Mp 238-240°.

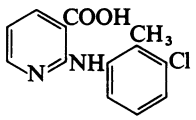
B,$MeSO_3H$: Mp 163-166°.

Hunger, A. *et al, Helv. Chim. Acta*, 1960, **43**, 1032 (*synth, pharmacol*)
U.S.P., 2 935 514, (*1960*); *CA*, **54**, 19717 (*synth, pharmacol*)

Clonixin, USAN, INN **C-00479**

2-[(3-Chloro-2-methylphenyl)amino]-3-pyridinecar-boxylic acid, 9CI. *2-(3-Chloro-o-toluidino)nicotinic acid,* 8CI. *Clonix. CBA 93626. Sch 10304*

[17737-65-4]



$C_{13}H_{11}ClN_2O_2$ M 262.695

Analgesic, antiinflammatory agent. Mp 233-235°. Exists in 4 cryst. forms.

▷QT0960000.

Lysine salt (1:1): [55837-30-4]. *Lysine clonixinate. Del-tar. Dolalgial. Dorixina. L 104. R 173.*

Antiinflammatory and analgesic.

2,3-Dihydroxypropyl ester: [21829-22-1]. ***Clonixeril,*** *INN, USAN. Sch 12707.*

$C_{16}H_{17}ClN_2O_4$ M 336.774

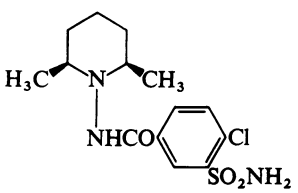
Antiinflammatory and analgesic. Cryst. (C_6H_6). Mp 113-114°.

B.P., 1 147 702, (*1969*); *CA*, **71**, 61220 (*synth, pharmacol*)
Watnick, A.S. *et al, Arch. Int. Pharmacodyn. Ther.*, 1971, **190**, 78 (*pharmacol*)
Juby, P.F. *et al, Annu. Rep. Med. Chem.*, 1972, **7**, 208 (*rev*)
Swiss Pat., 534 129, (*1973*); *CA*, **79**, 18582 (*Clonixeril*)
Ger. Pat., 2 442 817, (*1975*); *CA*, **84**, 5393 (*salt*)
Pico, J.C. *et al, Arzneim.-Forsch.*, 1981, **1**, 1127 (*salt*)
Takasuka, M. *et al, J. Chem. Soc., Perkin Trans. 2*, 1982, 1061 (*cryst struct, ir, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2630.

Clopamide, BAN, USAN, INN **C-00480**

3-(Aminosulfonyl)-4-chloro-N-(2,6-dimethyl-1-piperidinyl)benzamide, 9CI. *4-Chloro-N-(2,6-dimethyl-piperidino)-3-sulfamoylbenzamide,* 8CI. *1-(4-Chloro-3-sulfamoylbenzamido)-2,6-dimethylpiperidine. Adurix. Aquex. Brinaldix. Chlosudimeprinyl. DT 327*

[3563-77-7]



$C_{14}H_{20}ClN_3O_3S$ M 345.843

cis-form [636-54-4]

Diuretic, antihypertensive. Cryst. (MeOH/diisopropyl ether). Mp 244-246°. The pharmaceutical prod. is this stereoisomer.

trans-form

Mp 234-236°.

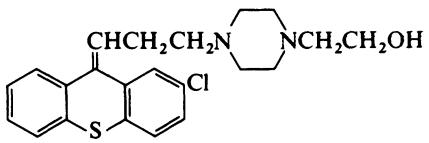
Jucker, E. *et al, Helv. Chim. Acta*, 1962, **45**, 2316 (*synth, ir*)
Doerling, H.J. *et al, Arzneim.-Forsch.*, 1966, **16**, 1183, 1197 (*pharmacol*)
Terry, B. *et al, J. Pharmacol. Exp. Ther.*, 1968, **160**, 367 (*pharmacol*)

Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2320.

Clopenthixol, BAN, USAN, INN **C-00481**

4-[3-(2-Chloro-9H-thioxanthen-9-ylidene)propyl]-1-piperazineethanol, 9CI, 8CI. 2-Chloro-9-[3-[4-(2-hydroxyethyl)-1-piperazinyl]propylidene]thiaxanthene

[982-24-1]



$C_{22}H_{25}ClN_2OS$ M 400.965

Prob. contains mixt. of *cis-* and *trans*-isomers. *cis*-isomer has greater pharmacological activity. Tranquilliser, psychotropic agent.

B,2HCl: [633-59-0]. *Sordinol. N 746. Clopixol. NSC 64087. AY 62021.* Cryst. (MeOH/Et_2O). V. sol. H_2O, insol. org. solvents. Mp 257-258°.

▷TL8575000.

Decanoate ester: [55501-05-8]. *Decanoic acid 2-[4-[3-(2-chloro-9H-thioxanthen-9-ylidene)propyl]-1-piperazinyl]ethyl ester, 9CI. Sordinol depot. Clopixol injection.*

$C_{32}H_{43}ClN_2O_2S$ M 555.217

Slow release drug.

Acetate: Cryst. (Me_2CO). Mp 237-240°.

(Z)-form [53772-83-1]

Zuclopenthixol, BAN, INN. *4-[3-(2-Chloro-9H-thioxanthen-9-ylidene)propyl]-1-piperazine ethanol, 9CI. Z-Clopenthixol. Cisordinol.* cis*-form*

Psychotropic agent. Cryst. (Et_2O). Mp 84-85°.

B,2HCl: [58045-23-1].

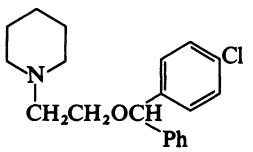
Decanoate ester, 2HCl: [64053-00-5]. Cryst. (Et_2O). Mp 180-190°.

Belg. Pat., 613 363, (*1962*); *CA*, **59**, 3898e (*synth*)
B.P., 932 494, (*1963*); *CA*, **61**, 97482 (*synth, deriv*)
Poeldinger, W., *Arzneim.-Forsch.*, 1967, **17**, 1133 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*uv*)
Miller, R.J. *et al*, *Mol. Pharmacol.*, 1974, **10**, 759 (*pharmacol*)
Ger. Pat., 2 429 101, (*1975*); *CA*, **82**, 156372b (*synth, deriv*)
Abernathy, C.O. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1978, **234**, 193 (*tox*)
Li Wan Po, A. *et al*, *J. Pharm. Pharmacol.*, 1979, **31**, 512 (*hplc*)
Gravem, A. *et al*, *Acta Psychiatr. Scand., Suppl.*, 1981, **294**, 5 (*rev*)
Jones, P.G. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 906 (*cryst struct: E and Z*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6518, 7959.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7027, 7028, 12014.

Cloperastine, INN **C-00482**

1-[2-[(4-Chlorophenyl)phenylmethoxy]ethyl]piperidine, 9CI. [2-[(p-Chloro-α-phenylbenzyl)oxy]ethyl]piperidine. p-Chlorobenzhydryl 2-(1-piperidinyl)ethyl ether. HT-11

[3703-76-2]



$C_{20}H_{24}ClNO$ M 329.869

▷TM6491000.

(±)-form

Antitussive, antihistamine. $Bp_{0.06}$ 169-172°.

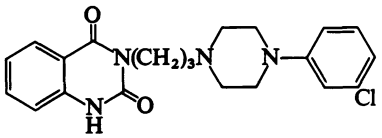
B,HCl: [14984-68-0]. *Cloperastine hydrochloride, JAN. Hustazol. Nitossil. Seki.* Mp 142-143°.

Arnold, H. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 189 (*synth, pharmacol*)
B.P., 1 179 945, (*1970*); *CA*, **72**, 132549 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5610.

Cloperidone, INN **C-00483**

3-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-2,4(1H,3H)-quinazolinedione, 9CI, 8CI

[4052-13-5]



$C_{21}H_{23}ClN_4O_2$ M 398.891

Sedative, tranquilliser. Mp 195-196°.

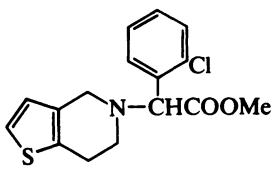
B,HCl: [525-26-8]. *Cloperidone hydrochloride, USAN. MA 1337.* Mp 240-241°.

B,Me_2SO_4: Mp 204-206°.

Fujimori, H. *et al*, *J. Pharmacol. Exp. Ther.*, 1965, **148**, 151 (*pharmacol*)
Hayao, S. *et al*, *J. Med. Chem.*, 1965, **8**, 807 (*synth, pharmacol*)

Clopidogrel, INN **C-00484**

α-(2-Chlorophenyl)-6,7-dihydrothieno[3,2-c]pyridine-5(4H)-acetic acid methyl ester, 9CI. Tipidyl



$C_{16}H_{16}ClNO_2S$ M 321.821

(±)-form [90055-48-4]

Antithrombotic agent (platelet aggregation inhibitor).

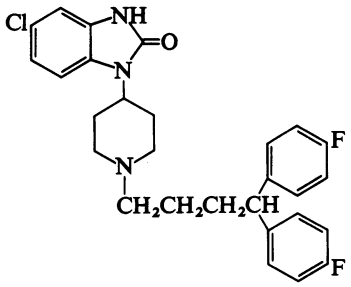
B,HCl: [90055-49-5]. Cryst. (EtOAc/2-propanol). Mp 130-140°.

Eur. Pat., 99 802, (*1984*); *CA*, **100**, 191856 (*synth, pharmacol*)
Yunis, A.A. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 1855 (*pharmacol*)
Feliste, R. *et al*, *Thromb. Res.*, 1987, **48**, 403, 585 (*pharmacol*)

Clopimozide, USAN, INN **C-00485**

1-[1-[4,4-Bis(4-fluorophenyl)butyl]-4-piperidinyl]-5-chloro-1,3-dihydro-2H-benzimidazol-2-one, 9CI. *R 29764*

[53179-12-7]



$C_{28}H_{28}ClF_2N_3O$ M 495.999

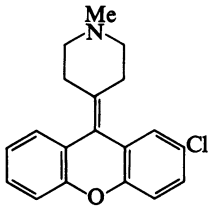
Tranquilliser. Cryst. (2-propanol). Mp 165.4°.

Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1975, **25**, 1287 (*pharmacol*)
U.S.P., 3 989 707, (*1976*); *CA*, **84**, 135657z (*synth*)
Tollenaere, J.P. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 199 (*nmr*)
v. Opdenbosch, N. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 596 (*cryst struct*)

Clopipazan, INN **C-00486**

4-(2-Chloro-9H-xanthen-9-ylidene)-1-methylpiperidine, 9CI

[60085-78-1]



$C_{19}H_{18}ClNO$ M 311.810

Tranquilliser.

B,MeSO$_3$H [60086-22-8]. *Clopipazan mesylate,* USAN. *SKF 69634.*

▷TM6499500.

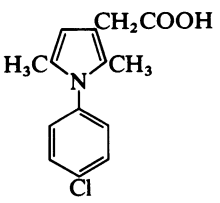
Maleate: Mp 206-207°.

Fr. Pat., 2 290 202, (*1976*); *CA*, **86**, 121184x (*synth*)
Itil, T.M. *et al, Curr. Ther. Res. Clin. Exp.*, 1980, **27**, 719 (*pharmacol*)
Christie, M.A. *et al, J. Org. Chem.*, 1982, **47**, 2802 (*synth*)

Clopirac, BAN, INN **C-00487**

1-(4-Chlorophenyl)-2,5-dimethyl-1H-pyrrole-3-acetic acid, 9CI. *Clopiran. Nidran. BRL 13856. CP 172 AP*

[42779-82-8]



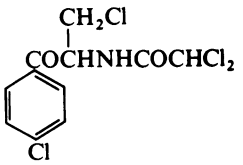
$C_{14}H_{14}ClNO_2$ M 263.723

Antiinflammatory, analgesic. Cryst. (Et_2O/pet. ether). Mp 102-104.5°.

Roncucci, R. *et al, J. Belge Rhumatol. Med. Phys.*, 1975, **30**, Special Issue, 3, 25 (*pharmacol, metab*)
Gillet, C. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 171 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12590.

Cloponone, BAN, INN **C-00488**

2,2-Dichloro-N-[p-chloro-α-(chloromethyl)phenacyl]-acetamide, 8CI. *β,4-Dichloro-α-(dichloroacetamido)-propiophenone. K 374*



$C_{11}H_9Cl_4NO_2$ M 329.010

(±)-form

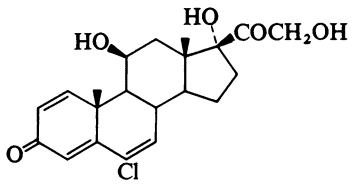
Antiseptic. Mp 119°.

de Carneri, I., *Z. Tropenmed. Parasitol.*, 1958, **9**, 32 (*pharmacol*)
Logemann, W. *et al, Farmaco, Ed. Sci.*, 1958, **13**, 129 (*synth*)
Logemann, W. *et al, Br. J. Pharmacol.*, 1961, **17**, 286 (*props*)

Cloprednol, BAN, USAN, INN **C-00489**

6-Chloro-11β,17α,21-trihydroxy-1,4,6-pregnatriene-3,20-dione, 9CI, 8CI. *Novacort. Synclopred. Syntestan. RS 4691*

[5251-34-3]



$C_{21}H_{25}ClO_5$ M 392.879

Glucocorticoid. Antiinflammatory and antiallergic agent. Cryst. (Me_2CO/hexane).

21-Ac:

$C_{23}H_{27}ClO_6$ M 434.916

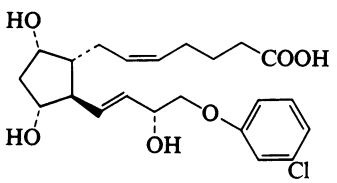
Glucocorticoid. Mp 184-187°. $[\alpha]_D$ +63°.

Brückner, K. *et al, Chem. Ber.*, 1961, **94**, 1225 (*synth*)
B.P., 890 835, (*1962*); *CA*, **60**, 630 (*synth*)
Ortega, E. *et al, J. Clin. Pharmacol.*, 1976, **16**, 122 (*pharmacol*)
Mroszczak, E. *et al, J. Pharm. Sci.*, 1978, **67**, 920 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1071.

Cloprostenol, BAN, INN **C-00490**

7-[2-[4-(3-Chlorophenoxy)-3-hydroxy-1-butenyl]-3,5-dihydroxycyclopentyl]-5-heptenoic acid, 9CI. *16-(3-Chlorophenoxy)-9,11,15-trihydroxy-17,18,19,20-tetranorprosta-5,13-dienoic acid*

[40665-92-7]



$C_{22}H_{29}ClO_6$ M 424.921

Luteolytic agent. Used as Na salt.

▷MJ9652000.

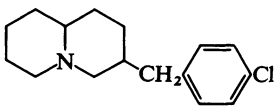
Na salt: [55028-72-3]. *Cloprostenol sodium,* USAN. *Estrumate. Heifex. Oestrophan. Planate. Suimate. ICI 80996.*

Ger. Pat., 2 223 365, (*1972*); *CA*, **78**, 110692v (*synth*)
Binder, D. *et al*, *Prostaglandins*, 1974, **6**, 87; 1978, **15**, 773 (*synth, pharmacol*)
Bourne, G.R. *et al*, *Xenobiotica*, 1979, **9**, 623 (*metab*)
Bowler, J. *et al*, *Prostaglandins*, 1979, **17**, 789 (*synth*)
Baishya, N. *et al*, *Br. Vet. J.*, 1980, **136**, 227 (*props*)
Beeley, N.R.A. *et al*, *Tetrahedron, Suppl.*, 1981, **37**, Suppl. 9, 411 (*synth*)
Liu, Z. *et al*, CA, 1985, **103**, 160243 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8077.

Cloquinozine, INN **C-00491**

3-(p-Chlorobenzyl)octahydro-2H-quinolizine, 8CI. QB 1

[5220-68-8]



$C_{16}H_{22}ClN$ M 263.810

Oxytocic agent.

cis-form

Mp 60°.

trans-form

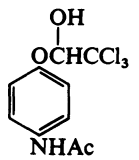
Mp 73°.

Matsuo, I. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 691; 1968, **16**, 1680 (*synth, glc, nmr, config, pharmacol*)
Nagashima, R. *et al*, *Jpn. J. Pharmacol.*, 1966, **16**, 353 (*pharmacol*)

Cloracetadol, INN **C-00492**

4-[(2,2,2-Trichloro-1-hydroxy)ethoxy]acetanilide. β,β,β-Trichloro-α-hydroxy-p-acetophenetidide

[15687-05-5]



$C_{10}H_{10}Cl_3NO_3$ M 298.553

(±)-*form*

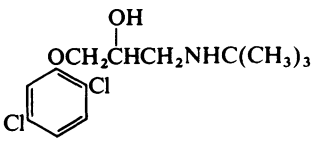
Analgesic, antipyretic. Mp 159-160°.

Fr. Pat., M2031, (*1963*); *CA*, **60**, 9201a (*synth, tox, pharmacol*)

Cloranolol, INN **C-00493**

1-(2,5-Dichlorophenoxy)-3-[(1,1-dimethylethyl)-amino]-2-propanol, 9CI. 1-(tert-Butylamino)-3-(2,5-dichlorophenoxy)-2-propanol. Chlorpropanol. Tobanum. GYKI 41099

[39563-28-5]



$C_{13}H_{19}Cl_2NO_2$ M 292.205

(±)-*form* [64969-29-5]

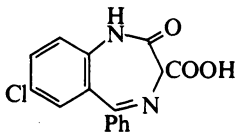
Beta-adrenergic-blocking agent, coronary vasodilator. Mp 48°.

Ger. Pat., 2 213 044, (*1972*); *CA*, **78**, 15780p (*synth, pharmacol*)
Bercher, H. *et al*, *Acta Biol. Med. Ger.*, 1976, **35**, 79 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12591.

Clorazepic acid, BAN **C-00494**

7-Chloro-2,3-dihydro-2-oxo-5-phenyl-1H-1,4-benzodiazepine-3-carboxylic acid, 9CI. 7-Chloro-2,3-dihydro-2,2-dihydroxy-5-phenyl-1H-benzodiazepine-3-carboxylic acid, 8CI

[23887-31-2]



$C_{16}H_{11}ClN_2O_3$ M 314.728

Sedative, minor tranquilliser.

K salt with KOH (1:1): [57109-90-7]. *Dipotassium clorazepate, INN, JAN. Clorazepate dipotassium, USAN. Tranxene. 4306 CB. Numerous proprietary names.* Powder. Sol. H_2O, insol. Et_2O, $CHCl_3$. May be addictive.

▷DE8750000.

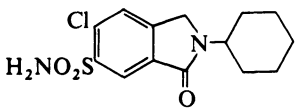
K salt: [5991-71-9]. *Clorazepate monopotassium, USAN. 4311 CB.*

Holmberg, G. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 916 (*pharmacol*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Raihle, J.A. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 91 (*rev*)
Lader, M.H. *et al*, *Br. J. Clin. Pharmacol.*, 1980, **9**, 83 (*pharmacol, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3808 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7029, 7030.

Clorexolone, BAN, INN, JAN, USAN **C-00495**

6-Chloro-2-cyclohexyl-2,3-dihydro-3-oxo-1H-isoindole-5-sulfonamide, 9CI. 6-Chloro-2-cyclohexyl-3-oxo-5-isoindolinesulfonamide, 8CI. 5-Chloro-2-cyclohexyl-6-sulfamoylisoindolin-1-one. Flonatril. Klorex. Nefrolan. M & B 8430. RP 12833

[2127-01-7]



$C_{14}H_{17}ClN_2O_3S$ M 328.813

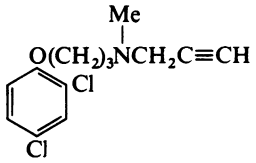
Diuretic, antihypertensive agent. Hygroscopic prisms. V. sol. H_2O. Mp 266-268°.

Belg. Pat., 620 654, (*1963*); *CA*, **59**, 11436 (*synth*)
Corbett, K. *et al*, *Nature (London)*, 1963, **208**, 286 (*metab*)
Baba, W.L. *et al*, *Clin. Pharmacol. Ther.*, 1966, **7**, 212 (*pharmacol*)
Cornish, E.J. *et al*, *J. Pharm. Pharmacol.*, 1966, **18**, 65 (*pharmacol*)
Launchbury, A.P., *Prog. Med. Chem.*, 1970, **7**, 1 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2321.

Clorgyline, BAN **C-00496**

N-[3-(2,4-Dichlorophenoxy)propyl]-N-methyl-2-propyn-1-amine, 9CI, 8CI. ***Clorgiline, INN***

[17780-72-2]



$C_{13}H_{15}Cl_2NO$ M 272.174

Antidepressant, monoamine oxidase inhibitor. Mp 102-103°. $Bp_{0.01}$ 130-132°.

B,HCl: [17780-75-5]. *M & B 9302.* Sol. H_2O, $CHCl_3$. Mp 98.5-100°.

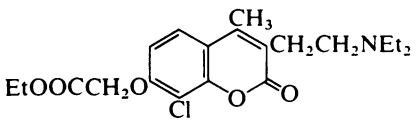
▷UI0675000.

Belg. Pat., 626 725, (*1963*); *CA*, **60**, 10602e (*synth*)
Knoll, J., *Ciba Found. Symp.*, 1976, **39**, 135 (*pharmacol*)
Fowler, J.S., *J. Org. Chem.*, 1977, **42**, 2637 (*synth*)
Fowler, J.S. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 341 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2508.

Cloricromen, INN **C-00497**

[[8-Chloro-3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2H-1-benzopyran-7-yl]oxy]acetic acid ethyl ester, 9CI. AD 6

[68206-94-0]



$C_{20}H_{26}ClNO_5$ M 395.882

Coronary vasodilator. Platelet aggregation inhibitor. Cryst. (EtOAc). Mp 147-148°.

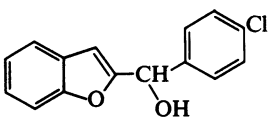
B,HCl: Mp 219-220°.

Aporti, F. *et al*, *Pharmacol. Res. Commun.*, 1978, **10**, 469 (*pharmacol*)
Belg. Pat., 871 315, (*1979*); *CA*, **91**, 39323 (*synth*)
Bertolino, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **281**, 66 (*pharmacol*)
Luzzatto, G. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 972 (*pharmacol*)
Zanetti, A. *et al*, *Eur. J. Pharmacol.*, 1986, **128**, 119 (*pharmacol*)

Cloridarol, INN **C-00498**

α-(4-Chlorophenyl)-2-benzofuranmethanol, 9CI. 2-Benzofuranyl-4-chlorophenylcarbinol. Clobenfurol. Menacor. Menoxicor

[3611-72-1]



$C_{15}H_{11}ClO_2$ M 258.704

(±)-*form*

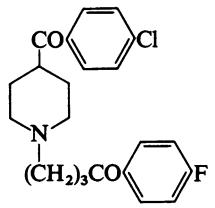
Coronary vasodilator. Mp 48°.

Ghelardoni, M. *et al*, *Boll. Chim. Farm.*, 1970, **109**, 48 (*synth, pharmacol*)
Pisanti, N. *et al*, *Farmaco Ed. Sci.*, 1971, **26**, 312 (*pharmacol*)
Bachelet, J.P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 323 (*synth, pharmacol*)
Bernini, F. *et al*, *Pharmacol. Res. Commun.*, 1983, **15**, 201 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9221.

Cloroperone, INN **C-00499**

4-[4-(4-Chlorobenzoyl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, 9CI

[61764-61-2]



$C_{22}H_{23}ClFNO_2$ M 387.881

Tranquilliser, antiemetic.

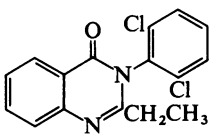
B,HCl: [55695-56-2]. *Cloroperone hydrochloride, USAN. AHR 6134.* Solid (MeOH/2-propanol). Mp 264-266°.

Fusaro, G.A. *et al*, *Drug Metab. Dispos.*, 1976, **4**, 562 (*metab*)
U.S.P., 4 101 662, (*1978*); *CA*, **90**, 38794 (*synth, pharmacol*)
Denber, H.C.B. *et al*, *Prog. Neuro-Psychopharmacol.*, 1978, **2**, 117.

Cloroqualone, INN **C-00500**

3-(2,6-Dichlorophenyl)-2-ethyl-4(3H)-quinazolinone, 8CI. Edicloqualone

[25509-07-3]



$C_{16}H_{12}Cl_2N_2O$ M 319.190

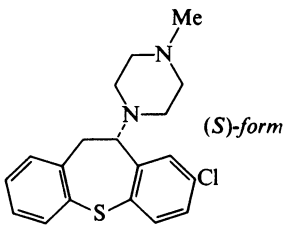
Antitussive agent. Mp 167-168°.

Fr. Pat., M6200, (*1968*); *CA*, **72**, 43717t (*synth, tox, pharmacol*)

Clorotepine, INN **C-00501**

1-(8-Chloro-10,11-dihydrodibenzo[b,f]thiepin-10-yl)-4-methylpiperazine, 8CI. Octoclothepin. Clopiben. Clotepin. VUFB 6281

[13448-22-1]



$C_{19}H_{21}ClN_2S$ M 344.901

▷TL1570000.

(*S*)-*form* [41932-49-4]

Cryst. (pet. ether). Mp 112-114°. $[\alpha]_D^{20}$ +51.9° (c, 1 in MeOH).

Maleate (1:1): Cryst. (EtOH). Mp 195-196°. $[\alpha]_D^{20}$ +35° (c, 1 in MeOH).

(±)-*form* [41931-02-6]

Neuroleptic agent.

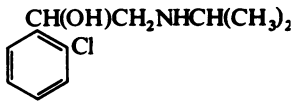
B,HCl: [7049-69-6]. Mp 190°.

Protiva, M. *et al*, *Farmaco, Ed. Sci.*, 1965, **20**, 721 (*synth, pharmacol*)
Zdenek, F. *et al*, *Biochem. Pharmacol.*, 1970, **19**, 1443 (*metab*)
Jaunin, A. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 186 (*cryst struct, bibl*)
Jilek, J. *et al*, *Collect. Czech. Chem. Commun.*, 1978, **43**, 1747; 1983, **48**, 906 (*synth, resoln, pharmacol*)
Metysova, J. *et al*, *Acta Biol. Med. Ger.*, 1980, **39**, 723 (*rev*)

Clorprenaline, BAN, USAN, INN **C-00502**

2-Chloro-α-[[(1-methylethyl)amino]methyl]benzenemethanol, 9CI. *o-Chloro-α-[(isopropylamino)methyl]benzyl alcohol,* 8CI. *1-(o-Chlorophenyl)-2-isopropylaminoethanol. Isoprophenamine. Numerous proprietary names*

[3811-25-4]



$C_{11}H_{16}ClNO$ M 213.707

(±)-*form*

Adrenergic drug. Bronchodilator.

B,HCl: [6933-90-0]. *Clorprenaline hydrochloride,* USAN. *Clopinerin. Pentadoll. Vortel. Bronchon.* Cryst. + $1H_2O$. Mp 163-164°.

▷DN9450000.

Powell, C.E. *et al, J. Am. Pharm. Assoc.,* 1956, **45**, 785 (*pharmacol*)

Johnston, R.E. *et al, Am. J. Med. Sci.,* 1957, **238**, 303 (*pharmacol*)

U.S.P., 2 887 509, (*1959*); *CA,* **53**, 19982 (*synth*)

Igarashi, T. *et al, Arzneim.-Forsch.,* 1970, **20**, 1738 (*pharmacol*)

Tatsumi, K. *et al, Chem. Pharm. Bull.,* 1970, **18**, 1254 (*metab*)

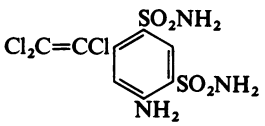
Japan. Pat., 86 07 238, (*1986*); *CA,* **105**, 60405 (*resoln*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2048.

Clorsulon, INN, USAN **C-00503**

4-Amino-6-(trichloroethenyl)-1,3-benzenedisulfonamide, 9CI. *Curatrem. MK 401. L 631529*

[60200-06-8]



$C_8H_8Cl_3N_3O_4S_2$ M 380.648

Antiparasitic, fasciolicide. Mp 203-205°.

Ger. Pat., 2 556 122, (*1976*); *CA,* **85**, 94100n (*synth, pharmacol*)

Mrozik, H. *et al, J. Med. Chem.,* 1977, **20**, 1225 (*synth, tox, nmr, uv, pharmacol*)

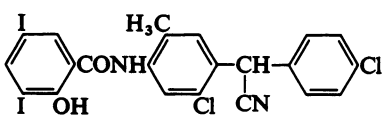
Van den Heuvel, W.J.A. *et al, J. Agric. Food Chem.,* 1977, **25**, 389 (*glc*)

Schulman, M.D. *et al, J. Parasitol.,* 1982, **68**, 603 (*pharmacol*)

Closantel, BAN, USAN, INN **C-00504**

N-[5-Chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide, 9CI. *Seponver. R 31520*

[57808-65-8]



$C_{22}H_{14}Cl_2I_2N_2O_2$ M 663.080

Anthelmintic against sheep liver flukes. Mp 217°. Also used as Na salt (Closantel sodium, BAN).

Ger. Pat., 2 610 837, (*1975*); *CA,* **86**, 55186w (*synth, pharmacol*)

Van den Bossche, H. *et al, Arch. Int. Physiol. Biochem.,* 1979, **87**, 851 (*pharmacol*)

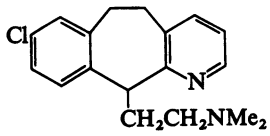
Van Cauteren, H. *et al, Drug. Chem. Toxicol.,* 1985, **8**, 101 (*tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1984.

Closiramine, INN **C-00505**

*8-Chloro-6,11-dihydro-*N,N*-dimethyl-5*H*-benzo[5,6]-cyclohepta[1,2-*b*]pyridine-11-ethanamine,* 9CI

[47135-88-6]



$C_{18}H_{21}ClN_2$ M 300.830

Antihistamine.

N-*Acetylglycine salt:* [23256-09-9]. *Closiramine aceturate,* USAN. *Sch 12169.*

Maleate (1:1): Cryst. (EtOAc). Mp 113-115°.

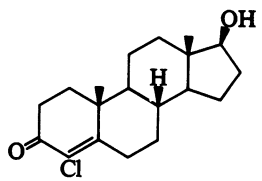
Villani, F.J. *et al, J. Med. Chem.,* 1972, **15**, 750 (*synth*)

Biehl, B., *Curr. Med. Res. Opin.,* 1979, **6**, 62 (*pharmacol*)

Clostebol, INN **C-00506**

4-Chloro-17β-hydroxyandrost-4-en-3-one, 9CI. *4-Chlorotestosterone*

[1093-58-9]



$C_{19}H_{27}ClO_2$ M 322.874

Anabolic steroid. Cryst. (Me_2CO/hexane). Mp 188-190°. $[\alpha]_D^{20}$ +148° ($CHCl_3$).

Ac: [855-19-6]. ***Clostebol acetate, BAN.*** *Macrobin. Steranabol. Other proprietary names.*

$C_{21}H_{29}ClO_3$ M 364.911

Anabolic steroid. Cryst. Mp 228-230°. $[\alpha]_D$ +118° ($CHCl_3$).

▷BV8380900.

Hexanoyl: [32361-10-7]. ***Clostebol caproate.*** *Chlorotestosterone caproate,* JAN. *Macrobin-Depot.*

$C_{25}H_{37}ClO_3$ M 421.019

Anabolic steroid.

Propanoyl: [2162-44-9]. ***Clostebol propionate.*** *Yonchlon.*

$C_{22}H_{31}ClO_3$ M 378.938

Anabolic steroid. Cryst. (MeOH). Mp 161-163°. $[\alpha]_D^{22}$ +102° (c, 1 in dioxan).

Camerino, R. *et al, J. Am. Chem. Soc.,* 1956, **78**, 3540 (*synth*)

Ringold, H.J. *et al, J. Org. Chem.,* 1956, **21**, 1432 (*synth*)

B.P., 874 572, (*1961*); *CA,* **56**, 116656 (*synth, propionate*)

Molinatti, G.M. *et al, Folia Endocrinol.,* 1961, **14**, 528 (*metab, acetate*)

Kondo, Y. *et al, Tetrahedron,* 1965, **21**, 1191 (*cd, conformn*)

Krueskemper, H.L. *et al, Int. Z. Klin. Pharmakol. Ther. Toxicol.,* 1968, **1**, 455 (*pharmacol, acetate*)

Castegnaro, E. *et al, Steroids Lipids Res.,* 1973, **4**, 184 (*acetate*)

Neeman, M. *et al, Can. J. Chem.,* 1974, **52**, 2941 (*synth*)

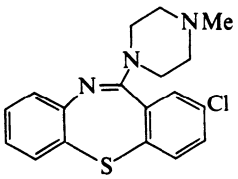
Kocor, M. *et al, Rocz. Chem.,* 1976, **50**, 2087 (*propionate*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9032 (*acetate*)

Clothiapine, BAN, USAN **C-00507**

2-Chloro-11-(4-methyl-1-piperazinyl)-dibenzo[b,f] [*1,4*]*thiazepine,* 9CI, 8CI. ***Clotiapine, INN.*** *Deliton. Entumine. Etumine. HF 2159. W 130*

[2058-52-8]



$C_{18}H_{18}ClN_3S$ M 343.873

Tranquilliser. Neuroleptic. Cryst. (Et_2O/pet. ether). Mp 118-120°.

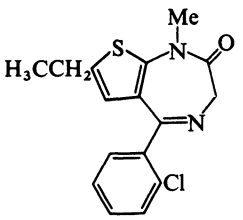
▷HQ2100000.

Lagubeau, J. *et al, Bull. Soc. Pharm. Bordeaux,* 1971, **110**, 10 (*uv*)
Nagarajan, K. *et al, Ind. J. Chem.,* 1974, **12**, 258 (*synth*)
Oka, M. *et al, Jpn. J. Pharmacol.,* 1975, **25**, 121 (*pharmacol*)
Piorot-Lagubeau, J. *et al, Ann. Pharm. Fr.,* 1975, **33**, 279 (*nmr*)
Buerki, H.R. *et al, Eur. J. Med. Chem.-Chim. Ther.,* 1978, **13**, 479 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7031.

Clotiazepam, INN **C-00508**

5-(2-Chlorophenyl)-7-ethyl-1,3-dihydro-1-methyl-2H-thieno[*2,3-e*]*-1,4-diazepin-2-one,* 9CI. *Clozan. Distensan. Rise. Rize. Rizen. Tienor. Trecalmo. Veratran. Y 6047*

[33671-46-4]



$C_{16}H_{15}ClN_2OS$ M 318.820

Tranquilliser. Mp 243-246°.

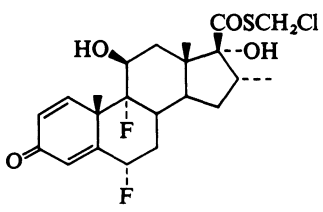
▷XJ9040000.

Ger. Pat., 2 107 356, (*1971*); *CA,* **75**, 129847j (*synth, pharmacol*)
Nakanishi, M. *et al, J. Med. Chem.,* 1973, **16**, 214 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12592.

Cloticasone, BAN, INN **C-00509**

Chloromethyl 6α,9α-difluoro-11β,17α-dihydroxy-16α-methyl-3-oxoandrosta-1,4-diene-17β-carbothioate, 9CI

[87556-66-9]



$C_{22}H_{27}ClF_2O_4S$ M 460.963

Corticosteroid, chloro-analogue of Fluticasone, F-00227 .

17-Propanoyl: [80486-69-7]. ***Cloticasone propionate, USAN.***

$C_{25}H_{31}ClF_2O_5S$ M 517.027

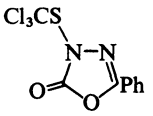
Antiinflammatory agent. Cryst. (EtOAc). Mp 272-275°. $[\alpha]_D$ +49°.

B.P., 2 088 877, (*1981*); *CA,* **96**, 163044p (*synth*)

Clotioxone, INN **C-00510**

5-Phenyl-3-[(*trichloromethyl*)*thio*]*-1,3,4-oxadiazolin-2*(*3H*)*-one,* 9CI. *RP 13607*

[1856-34-4]



$C_9H_5Cl_3N_2O_2S$ M 311.570

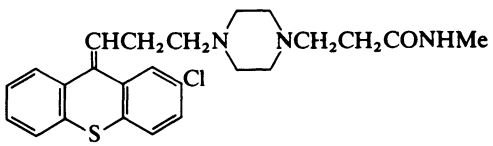
Agricultural fungicide. Mp 126.5-127°.

Fr. Pat., 1 448 727, (*1966*); *CA,* **66**, 95049x (*synth, use*)

Clotixamide, INN **C-00511**

4-[*3-*(*2-Chloro-9H-thioxanthen-9-ylidene*)*propyl*]*-N-methyl-1-piperazinepropanamide,* 9CI

[4177-58-6]



$C_{24}H_{28}ClN_3OS$ M 442.018

Tranquilliser. Neuroleptic.

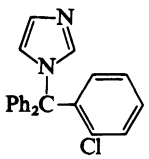
Maleate (1:2): [4434-20-2]. *Clothixamide maleate,* USAN. *P 4385*B. *NSC 78714.* Mp 174-177°.

U.S.P., 3 196 150, (*1965*); *CA,* **63**, 18117b (*synth, pharmacol*)

Clotrimazole, BAN, JAN, USAN, INN **C-00512**

1-[*2-Chlorophenyl*)*diphenylmethyl*]*-1H-imidazole,* 9CI. *1-*(*o-Chloro-α,α-diphenylbenzyl*)*imidazole,* 8CI. *Chlortritylimidazole. Numerous proprietary names*

[23593-75-1]



$C_{22}H_{17}ClN_2$ M 344.843

Antifungal agent. Mp 147-149°.

▷NI4377000.

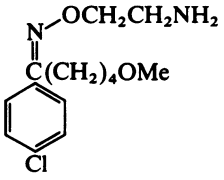
B,HCl: [27023-29-6]. Mp 159°.

Buechel, K.H. *et al, Arzneim.-Forsch.,* 1972, **22**, 1260 (*synth, pharmacol*)
Kracmar, J. *et al, Cesk. Farm.,* 1977, **26**, 345 (*uv*)
Raab, W., *Curr. Ther. Res. Clin. Exp.,* 1977, **22**, 65 (*pharmacol*)
Ruppert, J.F., *Diss. Abstr. Int. B,* 1977, **38**, 2681 (*synth*)
Hoogerheide, J.G. *et al, Anal. Profiles Drug Subst.,* 1982, **11**, 225 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 6428 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2573.

Clovoxamine, INN **C-00513**

1-(4-Chlorophenyl)-5-methoxy-1-pentanone O-(2-aminoethyl)oxime, 9CI. DU 23811

[54739-19-4]



$C_{14}H_{21}ClN_2O_2$ M 284.785

Antidepressant. Cryst. Mp 145° dec.

▷SA8148000.

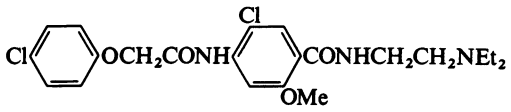
Fumarate (1:1): [54739-21-8].

Ger. Pat., 2 609 437, (*1976*); *CA*, **86**, 72205u (*synth*)
Claassen, V. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1756 (*pharmacol*)
Dharma, A.P., *Drugs Future*, 1979, **4**, 563 (*rev*)
Saletu, B. *et al*, *J. Neural. Transm.*, 1980, **49**, 63 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12593.

Cloxacepride, INN **C-00514**

5-Chloro-4-[[(4-chlorophenoxy)acetyl]amino]-N-[2-(diethylamino)ethyl]-2-methoxybenzamide, 9CI

[65569-29-1]



$C_{22}H_{27}Cl_2N_3O_4$ M 468.379

Beta-adrenergic blocking agent, antiinflammatory, antiallergic, antiasthmatic agent. Cryst. (toluene). Mp 170-171°.

B,HCl: [65569-32-6]. Cryst. Mp 223°.

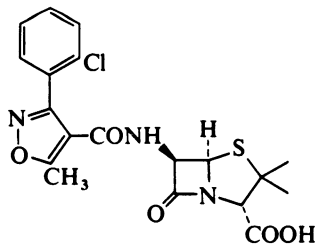
Succinate (1:1): [85630-48-4]. Cryst. (toluene). Mp 158-160°.

Metz, G. *et al*, *J. Med. Chem.*, 1983, **26**, 1065 (*synth, pharmacol*)

Cloxacillin, BAN, INN **C-00515**

3-(2-Chlorophenyl)-5-methyl-4-isoxazolylpenicillin

[61-72-3]



$C_{19}H_{18}ClN_3O_5S$ M 435.881

Semisynthetic penicillin. Orally absorbed antibiotic resistant to staphylococcal β-lactamase. pK_a 2.73 (25°, H_2O).

Na salt: [7081-44-9]. *Cloxacillin sodium, USAN. Bactopen. Cloxapen. Ekvacillin. Gelstaph. Methocillin* S. *Orbpenin. Prostaphlin* A. *Tegapen. Other proprietary names.* Monohydrate. Sol. H_2O. Mp 170° dec. $[\alpha]_D^{20}$ +163° (c, 1.0 in H_2O). Component of Ampiclox.

▷XH8920000.

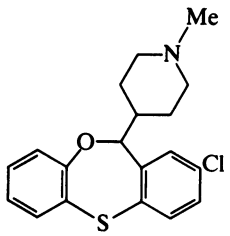
N,N'-Dibenzylethylenediamine salt (2:1): [23736-58-5]. *Cloxacillin benzathine, USAN. Dry-Clox. Embaclox. Wedeclox.* Depot-antibiotic. Mp 55-64°.

Naylor, J. *et al*, *Nature (London)*, 1962, **195**, 1264 (*props*)
Doyle, F. *et al*, *J. Chem. Soc.*, 1963, 5838 (*synth*)
B.P., 1 157 586, (*1969*); *CA*, **71**, 91878 (*salt*)
Mays, D.L. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 113 (*rev, synth, anal*)
Chang, C.-J. *et al*, *J. Pharm. Sci.*, 1979, **68**, 64 (*cmr*)
Gower, J.L. *et al*, *Biomed. Mass Spectrom.*, 1981, **8**, 36; 1982, **9**, 11 (*ms*)
Murai, Y. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3292 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5150 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 60, 12594.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 761.

Cloxathiepin **C-00516**

4-(2-Chloro-11H-dibenz[b,e][1,4]oxathiepin-11-yl)-1-methylpiperidine, 9CI. 2-Chloro-11-(1-methyl-4-piperidinyl)-11H-dibenz[b,e][1,4]oxethiepine. VUFB 14107

[83986-02-1]



$C_{19}H_{20}ClNOS$ M 345.886

Neuroleptic agent. Oil.

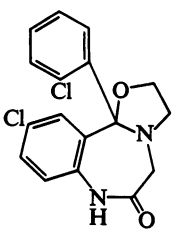
Maleate (1:1): [83986-04-3]. Cryst. (Me_2CO/EtOH/Et_2O). Mp 188.5-190°.

Sindelar, K. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 3077 (*synth, pharmacol*)
Pacakova, V. *et al*, *J. Chromatogr.*, 1984, **298**, 309 (*hplc*)

Cloxazolam, INN **C-00517**

10-Chloro-11b-(o-chlorophenyl)-2,3,7,11b-tetrahydrooxazolo[3,2-d][1,4]benzodiazepin-6(5H)-one, 8CI. Cloxazolazepam. Betavel. Cycol. Enadel. Lubalix. Sepazon. Olcadil. Tolestan. CS 370. MT.14-411

[24166-13-0]



$C_{17}H_{14}Cl_2N_2O_2$ M 349.216

Tranquilliser. Sol. AcOH. Mp 200° dec.

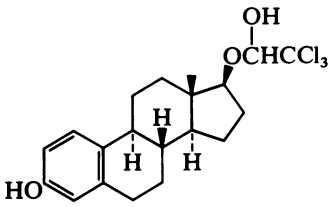
▷RQ5831350.

Tachikawa, R. *et al*, *J. Med. Chem.*, 1971, **14**, 520 (*synth, pharmacol*)
Murata, H. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 404 (*metab*)
Alonso, R.M. *et al*, *Boll. Chim. Farm.*, 1985, **124**, 46 (*pmr, ms*)
Kurono, Y. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3831 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7032.

Cloxestradiol, INN **C-00518**

17-(1-Hydroxy-2,2,2-trichloroethoxy)estra-1,3,5(10)-trien-3-ol, 9CI

[54063-33-1]



$C_{20}H_{25}Cl_3O_3$ M 419.775

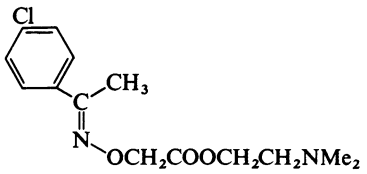
Oestrogen. Mp 182-183°.

O,O-*Di-Ac:* [15686-44-9]. *Genovul.*
$C_{24}H_{29}Cl_3O_5$ M 503.849
Oestrogen. Mp 117-119°.

U.S.P., 3 096 328, (*1963*); *CA*, **61**, 4426 (*synth*)

Cloximate, INN **C-00519**

2-(Dimethylamino)ethyl [[[1-(4-chlorophenyl)-ethylidene]amino]oxy]acetate, 9CI. *2-(Dimethylamino)-ethyl [[(p-chloro-α-methylbenzylidene)amino]oxy]-acetate*



$C_{14}H_{19}ClN_2O_3$ M 298.769

(*E*)-*form* [58832-68-1]

Analgesic, antiinflammatory agent.

B,HCl: [58832-67-0]. *DU 22599.* Cryst. (EtOH). Mp 160-162°.

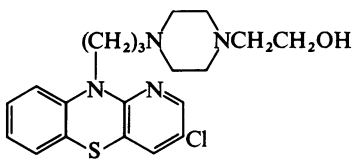
Van Dijk, J. *et al*, *J. Med. Chem.*, 1977, **20**, 1199 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1985.

Cloxypendyl, INN **C-00520**

4-[3-(3-Chloro-10H-pyrido[3,2-b][1,4]benzothiazin-10-yl)propyl]-1-piperazineethanol, 9CI, 8CI. *Cloxphendyl. D 1262*

[15311-77-0]



$C_{20}H_{25}ClN_4OS$ M 404.957

Neuroleptic agent.

▷TL8225000.

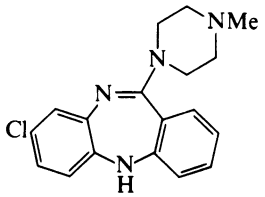
B,2HCl: [19824-89-6]. Mp 243-245°.

Gross, A. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 435 (*synth, pharmacol*)

Clozapine, BAN, INN, USAN **C-00521**

8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine, 9CI, 8CI. *Clozaril. Iprox. Lapenax. Leponex. Lepotex. HF 1854. LX 100-129. W 108*

[5786-21-0]



$C_{18}H_{19}ClN_4$ M 326.828

Sedative. Yellow cryst. (Me_2CO/pet. ether). Mp 183-184°.

▷HP1750000.

Hunziker, F. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1588 (*synth*)
Schmutz, J. *et al*, *Chim. Ther.*, 1967, **2**, 424 (*pharmacol*)
Valenta, V. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 3607 (*synth, pharmacol*)
Sayers, A.C. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1977, **1**, 1 (*pharmacol, rev*)
Fillers, J.P. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 1750 (*cryst struct*)
Schmutz, J. *et al*, *Chron. Drugs Discovery*, 1982, **1**, 39 (*rev*)
Vinick, F.J. *et al*, *Annu. Rep. Med. Chem.*, 1986, **21**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12595.

Cobaltous chloride **C-00522**

[7646-79-9]

$CoCl_2$

Cl_2Co M 129.839

Haematinic. Pale-blue hygroscopic cryst. Mp 735°. Bp 1049°. Turns pink on exp. to moist air. $^{57}CoCl_2$ and $^{60}CoCl_2$ are used medicinally as radioactive agents.

▷GF9800000.

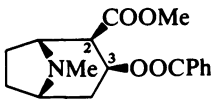
Hexahydrate: [7791-13-1]. Red monoclinic cryst. Mp 86°.

▷GG0200000.

Osthoff, W., *J. Am. Chem. Soc.*, 1954, **76**, 4732 (*synth*)
Young, R.S. (*Ed.*), *Cobalt-Its Chemistry, Metallurgy and Uses*, ACS Monograph Ser. No. 149, 1960, 76, Reinhold N.Y.
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 1660 (*synth*)
Underwood, E.J., *Nutr. Rev.*, 1975, **33**, 65.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12597.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 938, 939.

Cocaine, USAN **C-00523**

Methyl 3-(benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]-octane-2-carboxylate, 9CI. *Benzoylecgonine methyl ester. Ecgonine methyl ester benzoate*



$C_{17}H_{21}NO_4$ M 303.357

α- and β-Cocaines are nonalkaloid struct. isomers.

(−)-***form*** [50-36-2]
Principal alkaloid of *Erythroxylum* spp., esp. *E. coca*, *E. monogynum* (Erythroxylaceae). Topical anaesthetic, drug of abuse. Potent CNS stimulant and adrenergic blocking agent. Prisms (EtOH). Mp 98°. $Bp_{0.1}$ 187-188°. $[\alpha]_D$ −16° ($CHCl_3$), $[\alpha]_D$ −30° (MeOH).
▷YM2800000.
B,HCl: [53-21-4]. *Cocaine hydrochloride, USAN.* Mp 200-202° (197°). $[\alpha]_D^{20}$ −71.9° (c, 2 in H_2O).
▷YM3050000.
B,HNO₃: Deliquescent cryst. + H_2O. Mp 58-63°.
(+)-*Tartrate:* Prisms + H_2O. Mp 114-115°. $[\alpha]_D$ −41.2° (H_2O).
Picrate: Yellow powder.
B,MeI: Mp 169°.
2-Epimer: [478-73-9]. ***Pseudococaine***. *ψ-Cocaine.*
$C_{17}H_{21}NO_4$ M 303.357
Minor alkaloid obt. prob. as an artifact by the ready base-cat. epimerisation of Cocaine during isol., e.g. from *E. maxillense* (Erythroxylaceae). Prismatic cryst. Mp 46-47°.
2-Epimer; B,HCl: Elongated leaflets (EtOH). Mp 205-210°. $[\alpha]_D$ +43° (H_2O).
N-*De-Me: Norcocaine.*
$C_{16}H_{19}NO_4$ M 289.330
Primary photoprod. of, and metab. prod. of cocaine. Shows strong physiol. activity comparable with that of Cocaine and is responsible for most of its toxicity *in vivo*. Mp 80-82°.

(+)-***form***
Synthetic. Mp 96-98°. $[\alpha]_D^{24}$ +15.5° (c, 1 in $CHCl_3$).

(±)-***form*** [21206-60-0]
Mp 79-80°.

Willstätter, R. *et al, Justus Liebigs Ann. Chem.*, 1923, **434**, 111 (*synth, resoln*)
Kovács, O. *et al, Helv. Chim. Acta*, 1954, **37**, 892 (*config*)
Gabe, E.J. *et al, Acta Crystallogr.*, 1963, **16**, 796 (*cryst struct*)
Ashley, R., *Cocaine, its History, Uses and Effects*, Warner Books, N.Y., 1975.
Cocaine; Chem., Biol., Clinical Social and Treatment Aspects, Mule, S.J., Ed., CRC Press, 1976.
Stenberg, V.I. *et al, J. Heterocycl. Chem.*, 1976, **13**, 363 (*synth, pmr, Norcocaine*)
Wallace, G.J.E. *et al, Anal. Chem.*, 1976, **48**, 34 (*glc*)
Baker, J.K. *et al, J. Heterocycl. Chem.*, 1978, **15**, 165 (*cmr*)
Tufariello, J.J. *et al, J. Am. Chem. Soc.*, 1979, **101**, 2435 (*synth, pmr*)
Hrynchuk, R.J. *et al, Can. J. Chem.*, 1983, **61**, 481 (*cryst struct*)
Muhtadi, F.J. *et al, Anal. Profiles Drug Subst.*, 1986, **15**, 151 (*rev, uv, ir, pmr, cmr, ms, anal*)
Lewin, A.H. *et al, J. Heterocycl. Chem.*, 1987, **24**, 19 (*synth, bibl*)
Turner, C.E. *et al, Cocaine; An Annotated Bibliography*, 1988, Research Institute of Pharmaceutical Sciences, Mississippi (*book*)

Codactide, BAN, INN C-00524

1-D-Serine-17-L-lysine-18-L-lysinamide-α[1-18]-corticotropin, 9CI. Octodecactide. Ba 41795. C41795

[22572-04-9]

H-D-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Lys-^{18}LysNH$_2$

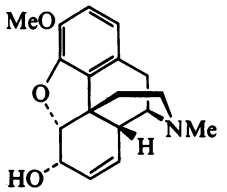
$C_{101}H_{158}N_{30}O_{23}S$ M 2192.606
Synthetic corticotropic peptide used clinically. *In vivo* steroidogenic activity 7 x that of native ACTH.

Fr. Pat., 5 849, (*1968*); *CA*, **71**, 70935
Matsukura, S. *et al, Endocrinol Jpn.*, 1976, **23**, 91.
Bennett, H.P.J. *et al, J. Endocrinol.*, 1979, **82**, 33 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1462.

Codeine, USAN, BAN C-00525

7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol, 9CI. Methylmorphine. Codicept. Kodein. Tussipan

[76-57-3]



Absolute configuration

$C_{18}H_{21}NO_3$ M 299.369
Opium alkaloid (*Papaver somniferum*) (content ca. 1%), also obt. synthetically by methylation of Morphine (Papaveraceae). Relatively nonaddictive analgesic. Antitussive. Prisms (Et_2O or C_6H_6), octahedra or rhombic prisms +H_2O (H_2O). Sol. EtOH, $CHCl_3$, Me_2CO, spar. sol. CCl_4, H_2O. Mp 155°. $[\alpha]_D$ −137.8° (EtOH). Also used as complex with sulfonated styrene-divinylbenzene copolymer (Codeine polistirex, USAN).
▷Toxic (toxicity *ca.* 0.25 v. Morphine). QD0893000.
B,HCl: [1422-07-7]. Prisms +2H_2O (H_2O). Mp 287° (as dihydrate). $[\alpha]_D^{22.5}$ −108.2° (H_2O).
▷QD1050000.
Ac: [6703-27-1]. Prisms (Et_2O). Mp 133.5°.
▷QD0960000.
N-*Oxide:* [3688-65-1]. ***Codeine* N-*oxide***. *Codéigène. Codeine aminoxyde. Genocodein.*
$C_{18}H_{21}NO_4$ M 315.368
Alkaloid from *P. somniferum* (Papaveraceae). Platelets (H_2O). Mp 231-232°.
N-*Oxide; B,HCl:* Cryst. Mp 219-220°. $[\alpha]_D^{20}$ −105.8° (c, 2 in H_2O).
B,H₃PO₄ (hemihydrate): [41444-62-6]. *Brochodine. Codeinfos. Codeisan. Codeophen. Codlin. Duraspan. Paveral. Sedantole. Solcodein. Vixaton.* Needles + ½H_2O. Component of Proval and Migraleve.
B,H₂SO₄ (trihydrate): [6854-40-6]. *Codeine sulfate, USAN.* Needles. Component of Copavin.
3-Pyridinecarboxylate: see Nicocodine, N-00095

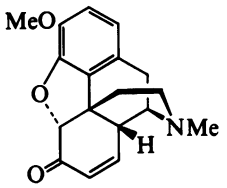
Bentley, K.W., *Chemistry of the Morphine Alkaloids*, 1954, Oxford Univ. Press, 57 (*isol, props, uv, synth*)
Kartha, G., *Acta Crystallogr.*, 1962, **15**, 326 (*cryst struct, abs config*)
Brochmann-Hanssen, E. *et al, J. Pharm. Sci.*, 1964, **53**, 1549 (*glc, chromatog*)
Batterham, T.J. *et al, Aust. J. Chem.*, 1965, **18**, 1799 (*pmr*)
Wheeler, D.M.S. *et al, J. Am. Chem. Soc.*, 1967, **89**, 4494 (*ms*)
DeAngelis, G.G. *et al, Tetrahedron*, 1969, **25**, 5099 (*ord*)
Parker, H.I. *et al, J. Am. Chem. Soc.*, 1972, **94**, 1276 (*biosynth*)
Carroll, F.I. *et al, J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Phillipson, J.D. *et al, Phytochemistry*, 1976, **15**, 1297 (*oxide*)
Weller, D.D. *et al, J. Med. Chem.*, 1976, **19**, 1171 (*synth*)
Muhtadi, F.J. *et al, Anal. Profiles Drug Subst.*, 1981, **10**, 93 (*rev, phosphate*)
Moos, W.H. *et al, J. Org. Chem.*, 1983, **48**, 227 (*synth*)
White, J.D. *et al, Tetrahedron*, 1983, **39**, 2393 (*synth, ir, pmr*)
Quiding, H. *et al, Eur. J. Clin. Pharmacol.*, 1986, **30**, 673 (*metab*)
Canfield, D.V. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 977 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6211, 6212, 6213, 6214.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 803.

Codeinone C-00526

7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-one, 9CI

[467-13-0]



Absolute configuration

$C_{18}H_{19}NO_3$ M 297.353

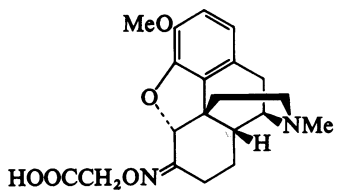
Naturally occurring alkaloid in *Papaver* spp. (Papaveraceae); precursor of Codeine and Morphine. Prisms (EtOAc). Mp 181.5-182.5°. $[\alpha]_D^{20}$ −205° (EtOH). Subl. under reduced pressure.

Findlay, S.P. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 3247 (*synth*)
Battersby, A.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1967, 483 (*biosynth*)
Wheeler, D.M.S. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 4494 (*ms*)
Misra, A.L. *et al*, *J. Chromatogr.*, 1972, **71**, 554 (*tlc*)
Terni, Y. *et al*, *Tetrahedron Lett.*, 1975, 2853 (*cmr*)
Weller, D.D. *et al*, *J. Med. Chem.*, 1976, **19**, 1171 (*synth*)

Codoxime, USAN, INN C-00527

[[(4,5α-Epoxy-3-methoxy-17-methylmorphinan-6-ylidene)amino]oxy]acetic acid, 9CI, 8CI. *Codossima*

[7125-76-0]



$C_{20}H_{24}N_2O_5$ M 372.420

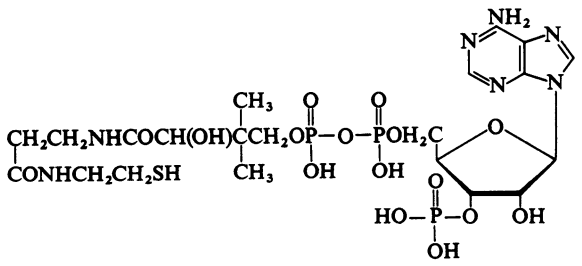
Antitussive. Mp 149-150°.

U.S.P., 3 154 042, (*1964*); *CA*, **61**, 16111e (*synth, pharmacol*)

Coenzyme *A*, 9CI C-00528

Adenosine 5'-(trihydrogen diphosphate) 3'-(dihydrogen phosphate) 5'-[3-hydroxy-4-[[3-[(2-mercaptoethyl)-amino]-3-oxopropyl]amino]-2,2-dimethyl-4-oxobutyl] ester. Aluzime. CoA. Coalip. Lucina

[85-61-0]



$C_{21}H_{36}N_7O_{16}P_3S$ M 767.534

Constit. of many microorganisms. A cofactor in enzymatic acetyl transfer reactions. Powder. Sol. H_2O. λ_{max} 259.5 nm (ε 16 800) (H_2O). Inactivated by phosphatase. Oxid. by air to inactive disulphide.

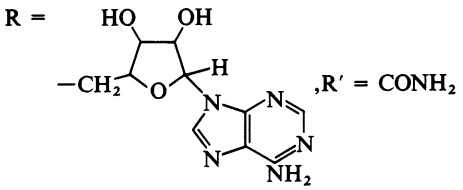
Lipmann, F. *et al*, *J. Biol. Chem.*, 1950, **186**, 235 (*isol*)
Lipmann, F., *Bacteriol. Rev.*, 1953, **17**, 1 (*rev*)
Baddiley, J., *Adv. Enzymol.*, 1955, **16**, 1 (*rev*)
Moffatt, J.G. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 663 (*synth*)
Lee, C. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 1225 (*conformn*)
Wilson, A. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 2907 (*pmr*)
Pucci, P. *et al*, *Clin. Ter.*, 1977, **82**, 161, 269 (*revs*)
Shimizu, S. *et al*, *FEBS Lett.*, 1983, **151**, 303 (*synth*)
Robishaw, J.D. *et al*, *Am. J. Physiol.*, 1985, **248**, E1 (*metab, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12604.

Coenzyme B_{12} C-00529

(5'-Deoxyadenosine-5')cobinamide hydroxide dihydrogen phosphate(ester) inner salt 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1H-benzimidazole, 10CI. *5'-Deoxyadenosylcobalamin.* **Cobamamide**, INN, **JAN**. *Ademide. Actimide. Betarin. Calomide. Numerous proprietary names*

[13870-90-1]

As Vitamin B_{12}, V-00059 with



$C_{72}H_{100}CoN_{18}O_{17}P$ M 1579.599

See also Vitamin B_{12}, V-00059 for refs. Anabolic. Analgesic. Haematopoietic vitamin. Red, flattened diamond (needles) cryst. (Me_2CO). Stable to light only in the absence of oxygen (10^{-6} mm). Sol. H_2O, DMSO. pK_a 3.52. Co—C bond cleaved by CN^-, dil. H^+ or light. λ_{max} 522 (ε8400), 374 (11,000), 340 (12,000), 305 (13,000) nm.

13-Epimer: [54594-49-9]. *5'-Deoxyadenosyl-13-epicobalamin.*

$C_{72}H_{100}CoN_{18}O_{17}P$ M 1579.599

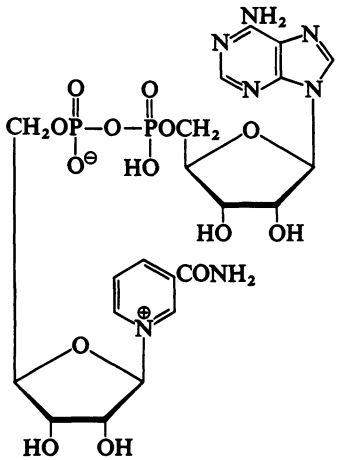
Has the structure of coenzyme B_{12} with the stereochemistry at C13 reversed. Red cryst. (Me_2CO aq.). pK_a 2.8.

Lenhert, P.G. *et al*, *Nature* (*London*), 1961, **192**, 937 (*cryst struct*)
Woodward, R.B., *Pure Appl. Chem.*, 1973, **33**, 145 (*synth*)
Tkachuck, R.D. *et al*, *Biochemistry*, 1974, **13**, 2645 (*epimer, synth, uv, ord, cmr*)
Rajoria, D.S. *et al*, *J. Inorg. Nucl. Chem.*, 1977, **39**, 1291 (*ir*)
Florent, J. *et al*, *Microbiol. Technology*, Peppler, H.J. and Perlmann, D. (*Eds.*) 1979, Academic Press, London, 2nd. Ed., Vol. 1, 497 (*manuf, rev*)
Chemaly, S.M. *et al*, *J. Chem. Soc., Dalton Trans.*, 1980, 2259 (*uv*)
Cheung, A. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 384 (*pmr*)
Dolphin, D., *Adv. Chem. Ser.*, 1980, **191**, 65 (*rev*)
Kirschbaum, J., *Anal. Profiles Drug Subst.*, 1981, **10**, 183 (*rev*)
Toscano, P.S. *et al*, *Prog. Inorg. Chem.*, 1984, **31**, 105 (*rev*)
Summers, M.F. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 4285 (*pmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8373.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7852.

Coenzyme I, 8CI C-00530

Adenosine 5′-(trihydrogen diphosphate) (5′→5′) ester with 3-(aminocarbonyl)-1-β-D-ribofuranosylpyridinium hydroxide inner salt, 9CI. Nicotinamide adenine dinucleotide. ***Nadide, BAN, USAN, INN.*** *Codehydrase I. Codehydrogenase I. Cozymase. Diphosphopyridine nucleotide. Enzopride. DPN. NAD. NSC 20272. Co I*

[53-84-9]



$C_{21}H_{27}N_7O_{14}P_2$ M 663.430

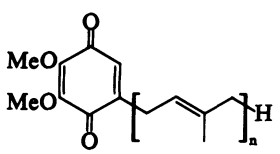
Isol. from bakers yeast. Antagonist to alcohol and narcotic analgesics. Biological hydrogen acceptor. Hygroscopic powder. Sol. H_2O. λ_{max} 260 (ϵ 17.6 × 10^6) (H_2O), 340 nm (6.2 × 10^6) (reduced form). Forms a complex with alkaline cyanide which may be used for its estimation. Stable for weeks in cold neutral soln. Less stable in acid soln., rapidly dec. by alkali.

▷UU3450000.

Biochem. Prep., 1949, **1**, 28 (*isol*)
Hayes, L.J. *et al*, *J. Chem. Soc.*, 1950, 303 (*synth*)
Biochem. Prep., 1953, **3**, 20 (*isol, synth*)
Lemieux, R.U. *et al*, *Can. J. Chem.*, 1963, **41**, 889 (*stereochem*)
Biochem. Prep., 1966, **11**, 84 (*purifn*)
Sarma, R.H. *et al*, *Biochemistry*, 1970, **9**, 557 (*conformn, pmr*)
Blumenstein, M. *et al*, *Biochemistry*, 1973, **12**, 3585 (*cmr*)
Nishizuka, Y. *et al*, *Method. Chim.*, 1977, **11**, 84 (*rev*)
Walsh, C., *Annu. Rev. Biochem.*, 1978, **47**, 881 (*rev*)
Walt, D.R. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 234 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12991.

Coenzyme *Q* C-00531

Mitoquinone. Ubiquinone



A group of related substances having n = 1-12; the main naturally occurring homologues have n = 6-10. Subscript number (≡Ubiquinone no.) indicates n. Occur in animal and microorganism mitochondria. Participate in cellular electron transport.

Coenzyme Q_6 [1065-31-2]

Ubiquinone 6

$C_{39}H_{58}O_4$ M 590.885

Isol. from *Saccharomyces cerevisiae*. Mp 16°.

Coenzyme Q_7 [303-95-7]

Ubiquinone 7

$C_{44}H_{66}O_4$ M 659.003

Isol. from *Torula utilis* and *Candida utilis*. Cryst. Mp 31-32°.

Coenzyme Q_8 [2394-68-5]

Ubiquinone 8

$C_{49}H_{74}O_4$ M 727.121

Isol. from *Azobacter vinelandii* and *Pseudomonas alkanolytica*. Cryst. (EtOH).

Coenzyme Q_9 [303-97-9]

Ubiquinone 9

$C_{54}H_{82}O_4$ M 795.239

Isol. from *Penicillium chrysoyenum, Torula utilis* and *Pseudomonas alkanolytica*. Cryst. Mp 45.2°.

Coenzyme Q_{10} [303-98-0]

Ubiquinone 10. Ubiquinone 50. ***Ubidecarenone, INN.*** *NSC 140865. Other proprietary names*

$C_{59}H_{90}O_4$ M 863.358

Isol. from beef heart and other mammalian sources in which it is the principal representative of its class. Cardiovascular agent, used to treat congestive heart failure. Cryst. (MeOH or EtOH) at low temp. Mp 49.9°.

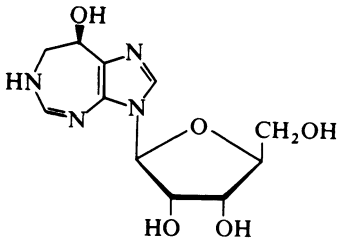
▷DK3900000.

Lester, R.L. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4751 (*isol*)
Crane, F.L. *et al*, *Biochim. Biophys. Acta*, 1959, **32**, 73 (*isol*)
Morimoto, H. *et al*, *Biochem. Z.*, 1965, **343**, 329 (*ir, ms, pmr*)
Friis, P. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 4754 (*biosynth*)
Muraca, R.F. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 1505 (*ms*)
Morimoto, H. *et al*, *Justus Liebigs Ann. Chem.*, 1969, **729**, 158 (*ir, pmr, uv, ms*)
The Vitamins (*Sebrell, W.H. et al*, Ed.), 1972, Academic Press, 355 (*rev*)
Inoue, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 3098 (*synth*)
Biomedical and Clinical Aspects of Coenzyme Q, **Vols. 1-3**, Elsevier, N.Y., 1977 (*books*)
Terao, S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 1101 (*cmr, pmr*)
Terao, S. *et al*, *J. Org. Chem.*, 1979, **44**, 868 (*synth*)
Boicelli, C.A. *et al*, *Membr. Biochem.*, 1981, **4**, 105 (*pmr, cmr, config*)
Fujita, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 1325 (*synth*)
Cascone, A. *et al*, *Boll. Chim. Farm.*, 1984, **123**, 555 (*pharmacol, Ubidecarenone*)
Masaki, Y. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 3959 (*synth*)
Kalén, A. *et al*, *Acta Chem. Scand., Ser. B*, 1987, **41**, 70 (*biosynth*)
Konishi, K. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1531 (*biochem, bibl*)
Greenberg, S.M. *et al*, *Med. Clin. North Am.*, 1988, **72**, 243 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14000.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8345 (*synonyms*)

Coformycin C-00532

3,4,7,8-Tetrahydro-3-β-D-ribofuranosylimidazo[4,5-d][1,3]diazepin-8-ol, 9CI

[11033-22-0]



$C_{11}H_{16}N_4O_5$ M 284.271

Nucleoside antibiotic. Isol. from *Nocardia interforma* ATCC 21072, *Streptomyces lavendulae* and *S. kaniharaensis*. Shows antibiotic props. Adenosine deaminase inhibitor. Mp 182-184°. $[\alpha]_D^{24}$ +34° (c, 1 in H_2O).

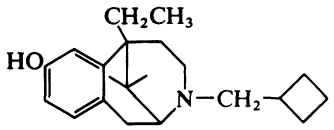
▷NI2931500.

Japan. Pat., 7 012 278, (*1970*); *CA*, **73**, 65025p (*isol*)
Ohno, M. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 4326, 4327 (*synth, struct*)
Nakamura, H. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 1206 (*cryst struct*)
Fr. Pat., 2 383 966, (*1978*); *CA*, **91**, 57420v (*purifn*)
Hawkins, L.D. *et al*, *Nucleosides Nucleotides*, 1983, **2**, 479 (*synth, props*)

Cogazocine, INN C-00533

3-(Cyclobutylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol. 2-Cyclobutylmethyl-9,9-dimethyl-5-ethyl-2'-hydroxy-6,7-benzomorphan

[57653-29-9]



$C_{21}H_{31}NO$ M 313.482

Analgesic.

(+)-*form*

B,HBr: Cryst. (EtOH/Et_2O). Mp 285° dec. $[\alpha]_D^{20}$ +131° (c, 1.2 in DMF).

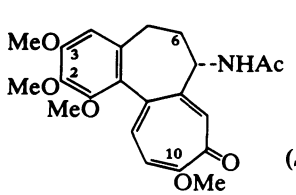
(−)-*form*

B,HBr: [33537-60-9]. Mp 288°. $[\alpha]_D^{20}$ −126° (c, 1.2 in DMF).

Ger. Pat., 2 027 077, (*1970*); *CA*, **74**, 125486 (*synth, pharmacol*)
Gelders, Y.G. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1111 (*cryst struct*)

Colchicine, USAN C-00534

Colchiceine methyl ether. NSC 757. Other proprietary names



(*S*)-*form*

$C_{22}H_{25}NO_6$ M 399.443

▷Highly toxic, irritant, exp. carcinogen and teratogen

(*R*)-*form* [75520-89-7]

Synthetic. Cryst. (H_2O). Mp 139-141°. $[\alpha]_D$ +131° (c, 0.87 in $CHCl_3$).

(*S*)-*form* [64-86-8]

Chief alkaloid from *Colchicum autumnale*, many other *C.* spp., several *Merendera* spp., *Gloriosa superba* and others (Liliaceae). Has been used for relief of pain in acute gout. Antimitotic agent used to induce polyploidy in plant breeding and for studying cell division. Functions by binding to tubulin and arresting cell division at metaphase. Also inhibits many cell transport systems. Toxicity has precluded exploitation of these props. for antitumour use. Potential HIV inhibitor. Mp 155-157°. $[\alpha]_D$ −121° ($CHCl_3$).

▷Highly toxic, lethal dose ~10 mg in humans. *C.* spp. bulbs are freq. cause of accidental poisoning. GH0700000.

B,HAuCl₄: Mp 209°.

N-*Me: see under Demecolcine, D-00062*

O^2,O^3-*Di-de-Me:* [57866-21-4]. ***2,3-Didemethylcolchicine***.

$C_{20}H_{21}NO_6$ M 371.389

Alkaloid from the seeds of *C. latifolium* (Liliaceae). Amorph.

O^2,O^3-*Di-de-Me*, N-*de-Ac:* [57866-20-3]. ***2,3-Didemethyl-N-deacetylcolchicine***.

$C_{18}H_{19}NO_5$ M 329.352

Alkaloid from the corms, leaves and flowers of *G. superba* (Liliaceae).

N-*De-Ac:* Cryst. (EtOAc). Mp 125-127°. $[\alpha]_D$ −148° (c, 1.1 in $CHCl_3$).

N-*De-Ac*, N-*Me: see Demecolcine, D-00062*

N-*De-Ac*, N-(*3-oxobutanoyl*): [88437-23-4]. ***N-Deacetyl-N-3-oxobutyrylcolchicine***.

$C_{24}H_{27}NO_7$ M 441.480

Minor alkaloid from the seeds of *C. autumnale* (Liliaceae). Cryst. (EtOAc/Et_2O). Mp 222-223°. $[\alpha]_D^{25}$ −194° (c, 1.07 in $CHCl_3$).

(±)-*form* [54192-66-4]

Mp 277-279°.

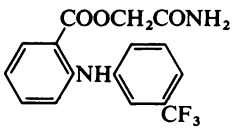
Schreiber, J. *et al*, *Helv. Chim. Acta*, 1961, **44**, 540 (*synth, uv, ir*)
Battersby, A.R. *et al*, *Tetrahedron Lett.*, 1974, 3315 (*biosynth, cmr*)
Thakur, R.S. *et al*, *Planta Med.*, 1975, **28**, 201 (*2,3-Didemethyl-N-deacetylcolchicine*)
Potěšilová, H. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 3146 (*2,3-Didemethylcolchicine*)
Ulubelen, A. *et al*, *Planta Med.*, 1978, **34**, 216 (*isol, uv, ir, pmr, ms*)
Evans, D.A. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 5813 (*synth*)
Rösner, M. *et al*, *J. Med. Chem.*, 1981, **24**, 257 (*synth*)
Rösner, M. *et al*, *J. Org. Chem.*, 1981, **46**, 3686 (*2,3-Didemethylcolchicine, synth*)
Wyatt, D.K. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 139 (*rev, ir, uv, pmr, cmr, anal*)
Malkinson, F.D., *Arch. Dermatol.*, 1982, **118**, 453 (*rev, pharmacol*)
Šantavý, F. *et al*, *Collect. Czech. Chem. Commun.*, 1983, **48**, 2989 (*N-Deactyl-N-3-oxobutyrylcolchicine*)
Capraro, H.G. *et al*, *Alkaloids (N.Y.)*, 1984, **23**, 1 (*rev, pharmacol*)
Boger, D.L. *et al*, *J. Org. Chem.*, 1985, **50**, 3425 (*synth*)
Dumont, R. *et al*, *J. Org. Chem.*, 1986, **51**, 2515 (*synth*)
Brossi, A. *et al*, *Med. Res. Rev.*, 1988, **8**, 77 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6532.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1001.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 513.

Colfenamate, INN C-00535

2-Amino-2-oxoethyl 2-[[3-(trifluoromethyl)phenyl]-amino]benzoate, 9CI. Glycolamide N-(α,α,α-*trifluoro*-m-*tolyl)anthranilate, 8CI. B 557*

[30531-86-3]



$C_{16}H_{13}F_3N_2O_3$ M 338.286

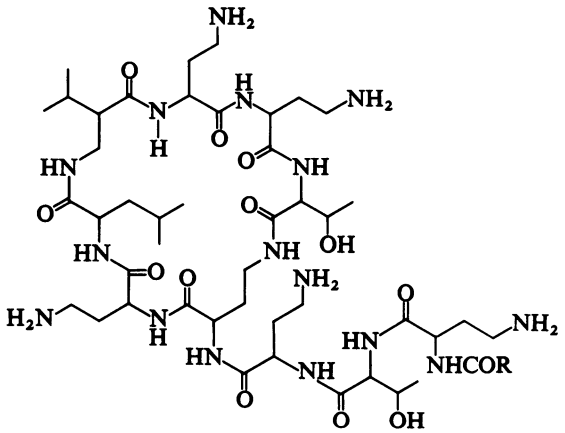
Antipyretic, antiinflammatory agent. Cryst. (2-propanol). Mp 155-156°.

Ger. Pat., 1 939 111, (*1971*); *CA*, **74**, 76185n (*synth, pharmacol*)
Boltze, K.H. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1300 (*pharmacol*)

Colistin, BAN, INN C-00536

Polymyxin E. *Colimycin. Belcomycin. Colymycin. Torazin*

[7722-44-3]



R = $-(CH_2)_4CHCH_2CH_3$ (CH$_3$)

Lipopeptide antibiotic complex. Struct. of Colistin *A* shown; *B* and *C* have R = $-(CH_2)_4CH(CH_3)_2$ and $-(CH_2)_6CH_3$ resp. Isol. from *Bacillus colistinus*. Intestinal antibacterial agent. Colistins *A-C* are thought to be artefacts prod. by isolation process. More careful isolation yields Colistins Pro-*A*, Pro-*B*, Pro-*C* which have higher molecular weights and greater activity. Their structures are not fully known. Colistins A_H, A_L, B_H, B_L were sepd. from other Colistins by HPLC. They are thought also to be artefacts. Their structs. are unknown but amino acid compositions have been detd.

▷GH1576000.

Colistin A

Polymixin E_1, *9CI*

$C_{53}H_{100}N_{16}O_{13}$ M 1169.472

Antibiotic with broad spectrum of activity used clinically. Amorph. powder. $[\alpha]_{546}^{22}$ −93.3° (c, 2 in AcOH aq.).

Pentakis(sodium methanesulfonate): [8068-28-8]. ***Colistimethate sodium, INN, USAN***. *Methacolimycin. Colistinat. Sulphomethate. Numerous proprietary names.* Injectable form of Colistin. Intestinal antibacterial agent.

▷LD_{50} >550 mg/kg (i.v. mice). GH1650000.

Sulfate: Multimycine.

Colistin B

$C_{51}H_{96}N_{16}O_{13}$ M 1141.419

Colistin C [77193-20-5]

$C_{51}H_{96}N_{16}O_{13}$ M 1141.419

Active against gram-negative bacteria.

Powder.

Colistin Pro-A

Procolistin A

Powder. Mp 226° dec. $[\alpha]_D^{20}$ −60° (c, 1 in H_2O).

Colistin Pro-B

Procolistin B

Powder. Mp 220° dec. $[\alpha]_D^{20}$ −65° (c, 1 in H_2O).

Colistin Pro-C

Procolistin C

Powder. Mp 229° dec. $[\alpha]_D^{20}$ −35° (c, 1 in H_2O).

Colistin A_H [95145-23-6]

$C_{53}H_{101}N_{16}O_{13}$ M 1170.480

Active against gram-negative bacteria.

▷LD_{50} 8.59 mg/kg (s.c. mice)

B,5HCl: Powder. Mp 220-222° dec. $[\alpha]_D^{18}$ −59.6° (c, 0.4 in H_2O).

Colistin A_L [95145-24-7]

$C_{53}H_{100}N_{16}O_{13}$ M 1169.472

Active against gram-negative bacteria.

▷LD_{50} 14.39 mg/kg (s.c. mice)

B,2½H$_2$SO$_4$: Powder. Mp 196° dec. $[\alpha]_D^{18}$ −52.5° (c, 0.4 in H_2O).

Colistin B_H [95145-25-8]

$C_{52}H_{98}N_{16}O_{13}$ M 1155.446

Active against gram-negative bacteria.

▷LD_{50} 9.7 mg/kg (s.c. mice)

B,½Na,5HCl: Powder. Mp 205° dec. $[\alpha]_D^{18}$ −63.3° (c, 0.4 in H_2O).

Colistin B_L [95145-27-0]

$C_{52}H_{98}N_{16}O_{13}$ M 1155.446

Active against gram-negative bacteria.

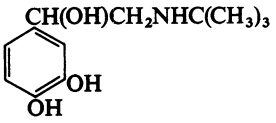
▷LD_{50} 14.39 mg/kg (s.c. mice)

B,2.5H$_2$SO$_4$: Powder. Mp 205° dec. $[\alpha]_D^{18}$ −50.4° (c, 0.4 in H_2O).

Koyama, Y. *et al*, *J. Antibiot.*, 1950, **3**, 457 (*isol*)
Suzuki, T. *et al*, *J. Biochem.*, 1963, **54**, 25, 412 (*isol, ir, struct*)
Suzuki, T. *et al*, *J. Biochem. (Tokyo)*, 1964, **56**, 182 (*isol*)
Wilkinson, S. *et al*, *J. Chem. Soc.*, 1964, 4107.
Studer, R.O. *et al*, *Helv. Chim. Acta*, 1965, **48**, 1371 (*synth*)
Vogler, K. *et al*, *Experientia*, 1966, **22**, 345 (*rev*)
Horton, J. *et al*, *Med. Clin. North Am.*, 1982, **66**, 135 (*rev, pharmacol*)
Kimura, Y. *et al*, *J. Antibiot.*, 1982, **35**, 1513 (*Procolistins*)
Kitamura, Y. *et al*, *J. Antibiot.*, 1984, **37**, 1605 (*isol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8325, 8339.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 61, 62.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2259, 2420.

Colterol, INN C-00537

4-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,2-benzenediol, 9CI. α-[(tert-Butylamino)methyl]-3,4-dihydroxybenzyl alcohol, 8CI. N-tert-*Butylarterenol.* N-tert-*Butylnoradrenaline*



$C_{12}H_{19}NO_3$ M 225.287

(±)-*form* [18866-78-9]

Bronchodilator. Cryst. (Me_2CO). Mp 137-139°.

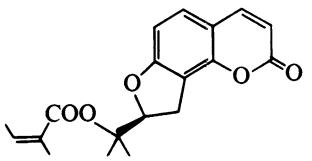
B,H2SO4: Mp 158°.

Methanesulphonate salt: [17605-73-1]. *Colterol mesylate, USAN. S 1541. Win 5563-3.*

Swiss Pat., 263 801, (*1949*); *CA*, **44**, 5910 (*synth*)
Pratesi, P. *et al, Farmaco, Ed. Sci.*, 1963, **18**, 950 (*resoln*)
O'Donnell, S.R. *et al, Br. J. Pharmacol.*, 1974, **52**, 407 (*pharmacol*)
Shargel, L. *et al, Drug Metab. Dispos.*, 1976, **4**, 65 (*metab*)
Ganellin, C.R., *J. Med. Chem.*, 1977, **20**, 579 (*tautom*)

Columbianadin C-00538

[5058-13-9]



Absolute configuration

$C_{19}H_{20}O_5$ M 328.364

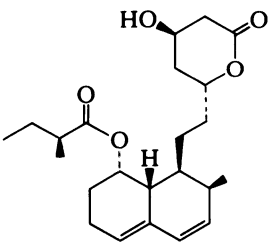
Constit. of *Lomatium columbianum, Peucedanum palustre, P. grande* and the Chinese drug *She Huangzi*. Possible carminative, stimulant, diuretic and antiinflammatory action. Long silky needles (MeOH aq.). Mp 121-122° (118.5-119°). $[\alpha]_D^{26}$ +227° (c, 2.8 in $CHCl_3$).

Nielsen, B.E., *Acta Chem. Scand.*, 1964, **18**, 1379, 2111 (*isol, struct*)
Willette, R.E., *J. Pharm. Sci.*, 1964, **53**, 275 (*isol*)
Nielsen, B.E., *Acta Chem. Scand.*, 1965, **19**, 1810 (*abs config*)

Compactin C-00539

Mevastatin, INN. *CS 500. ML 236B. Antibiotic ML 236B*

[73573-88-3]



$C_{23}H_{34}O_5$ M 390.519

Metab. of *Penicillium brevicompactum*. Potent inhibitor of cholesterol biosynthesis and HMG-CoA. Anticholesteraemic agent. Cryst. (EtOH aq.). Mp 152°. $[\alpha]_D^{22}$ +283° (c, 0.84 in Me_2CO).

3α-Hydroxy: [85956-23-6]. *3α-Hydroxycompactin.*
$C_{23}H_{34}O_6$ M 406.518
Prod. by microbial hydroxylation. More potent than parent in inhibition of cholesterol biosynth. Cryst. (as Na salt). Mp 141-143°. $[\alpha]_D^{22}$ +310.9° (c, 0.66 in MeOH).

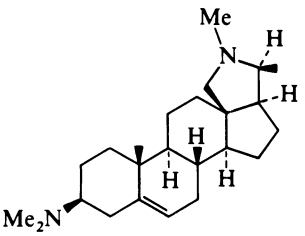
3β-Hydroxy: [85956-22-5]. *3β-Hydroxycompactin.*
$C_{23}H_{34}O_6$ M 406.518
Prod. by microbial hydroxylation. More potent than parent in inhibition of cholesterol biosynth. Cryst. Mp 138-142°. $[\alpha]_D^{22}$ +194.0° (c, 0.51 in MeOH).

Brown, A.G. *et al, J. Chem. Soc., Perkin Trans. 1*, 1976, 1165 (*isol*)
Gudo, A., *Trends Biochem. Sci.*, 1981, **6**, 10 (*pharmacol*)
Fears, R., *Biochem. Soc. Trans.*, 1983, **11**, 642 (*rev, pharmacol*)
Grieco, P.A. *et al, J. Am. Chem. Soc.*, 1983, **105**, 1043 (*synth, bibl*)
Serizawa, N. *et al, J. Antibiot.*, 1983, **36**, 604, 608 (*derivs*)
Anon, *Synform*, 1984, **2**, 84, 85, 111 (*synth, rev*)
Girotra, N.N. *et al, Tetrahedron Lett.*, 1984, **25**, 5371 (*synth*)
Lis, R.E., *Diss. Abstr. Int. B*, 1984, **44**, 3083 (*synth*)
Endo, A. *et al, J. Antibiot.*, 1985, **38**, 444, 447 (*biosynth, cmr, bibl*)
Endo, A., *J. Med. Chem.*, 1985, **28**, 401 (*rev*)
Endo, A., *Pharmacol. Ther.*, 1985, **31**, 257 (*rev, pharmacol*)
Rosen, T. *et al, J. Am. Chem. Soc.*, 1985, **107**, 3731 (*synth*)
Keck, G.E. *et al, J. Org. Chem.*, 1986, **51**, 2487 (*synth*)
Kozikowski, A.P. *et al, J. Org. Chem.*, 1987, **52**, 3541 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16591.

Conessine, INN C-00540

N,N-*Dimethylcon-5-enin-3β-amine, 9CI. 3β-(Dimethylamino)con-5-enine, 8CI. 3β-Dimethylamino-5-conanene. Wrightine. Roquessine*

[546-06-5]



$C_{24}H_{40}N_2$ M 356.593

Alkaloid from *Holarrhena antidysenterica* and many other *H.* spp., from *Wrightia tomentosa* and from *Funtumia elastica* (Apocynaceae). Narcotic to frogs but not to mammals. Has local anaesthetic props. but causes local necrosis on injection. Antibacterial. Source of 18-substd. pregnanes. Mp 123-124°. $[\alpha]_D^{20}$ −1.9° ($CHCl_3$), +25.3° (EtOH).

▷GK7620000.

B,2HCl: Cryst. + $1H_2O$. Mp 340°. $[\alpha]_D^{20}$ +9.3° (H_2O).

B,2HBr: [5913-82-6]. *Norine.* Mp 340° dec. $[\alpha]_D^{20}$ +7.0° (c, 5 in H_2O).

Dipicrate: Mp 222-224°.

5α,6-Dihydro: ***Dihydroconessine.***
$C_{24}H_{42}N_2$ M 358.609
Isol. from the methylated alkaloid mixt. from *H. antidysenterica*; detected by ms and is prob. a minor alkaloid constit. (Apocynaceae).

7α-Hydroxy: ***7α-Hydroxyconessine.***
$C_{24}H_{40}N_2O$ M 372.593
Minor alkaloid from *H. antidysenterica* (Apocynaceae). Mp 176-178°. $[\alpha]_D^{20}$ −61° (c, 0.95 in $CHCl_3$). The presence of 7β-Hydroxyconessine was also demonstrated chromatographically.

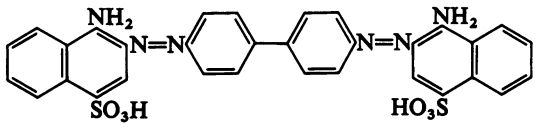
(±)-*form*

Synthetic. Mp 127-128.5°.

Pyman, F.L., *J. Chem. Soc.*, 1919, **115**, 163 (*isol*)
Stephenson, R.P., *Br. J. Pharmacol.*, 1948, **3**, 237 (*pharmacol*)
Haworth, R.D. *et al*, *J. Chem. Soc.*, 1953, 1102 (*uv, ir, struct*)
Barton, D.H.R. *et al*, *J. Chem. Soc.*, 1962, 622 (*synth*)
Marshall, J.A. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 1485 (*synth*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 2018 (*synth*)
Janot, M.M. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 1566 (*use*)
Tschesche, R. *et al*, *Chem. Ber.*, 1964, **97**, 2316 (*deriv*)
Johnson, W.S. *et al*, *Tetrahedron*, 1966, 8th Suppl., 541 (*synth*)
De Lajudie, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1970, **5**, 129 (*activity*)
Lukacs, G. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1971, **272**, 2171 (*cmr*)
Drake, A.F. *et al*, *Tetrahedron*, 1977, **33**, 937 (*cd*)
Barone, A.D., *Diss. Abstr. Int. B*, 1981, **42**, 1451 (*partial, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4772.

Congo Red C-00541

3,3'-[(1,1'-Biphenyl)-4,4'-diylbis(azo)]bis[4-amino-1-naphthalenesulfonic acid], *9CI. C.I. Direct Red 28. Direct Red. Haemomedical. Haemonorm. Hemorrhagyl. Solucongo*



$C_{32}H_{24}N_6O_6S_2$ M 652.698

Usually obt. as di-Na salt. Indicator used for diagnosis of amyloidosis.

Di-Na salt: [573-58-0]. Brown-red powder. Sol. H_2O.

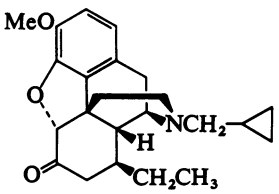
▷QK1400000.

Whitehead, G., *Chem. Trade J.*, 1925, **77**, 386 (*manuf*)
Kline, E.R., *J. Chem. Educ.*, 1938, **15**, 129 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2125.

Conorfone, INN C-00542

17-(Cyclopropylmethyl)-4,5-epoxy-8-ethyl-3-methoxy-morphinan-6-one, *9CI.* N-*(Cyclopropylmethyl)-8β-ethyldihydronorcodeinone. Codorphone*

[72060-05-0]



$C_{23}H_{29}NO_3$ M 367.487

Analgesic, narcotic antagonist.

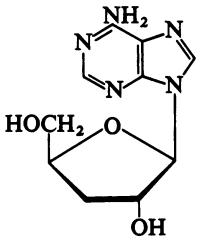
B,HCl: [70865-14-4]. *Conorphone hydrochloride*, *USAN. TR 5109.* Cryst. (EtOAc). Mp 207-209°.

Kotick, M.P. *et al*, *J. Med. Chem.*, 1980, **23**, 166 (*synth*)
Leland, D.L. *et al*, *J. Med. Chem.*, 1980, **23**, 1427 (*pharmacol*)
Leeling, J.L. *et al*, *Drug Metab. Dispos.*, 1982, **10**, 649 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12603.

Cordycepin, 9CI, 8CI C-00543

3'-Deoxyadenosine, *9CI*, *8CI. 9-Cordyceposidoadenosine. Adenine cordyceposide*

[73-03-0]



$C_{10}H_{13}N_5O_3$ M 251.244

Metab. of *Cordyceps militaris* and *Aspergillus nidulans*. Strong inhibitor of RNA synthesis showing cytostatic activity. Mp 222-224° (230-231°). $[\alpha]_D^{25}$ −44° (c, 0.5 in H_2O), −35° (c, 9.4 in H_2O). λ_{max} 250 (ε 13 100) (pH 4), 260 nm (13 700) (pH 11).

▷AU7358610.

Picrate: Yellow needles. Mp 195° dec.

6N,6N,2',5'-Tetrabenzoyl: Mp 179-180°.

2-Fluoro: [15386-69-3].

$C_{10}H_{12}FN_5O_3$ M 269.235

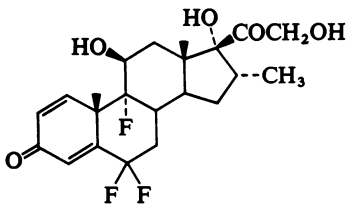
Potential cytotoxic agent. Mp 259-260°.

Kredich, N.M. *et al*, *Biochim. Biophys. Acta*, 1960, **41**, 363 (*isol*)
Suhadolnik, R.J. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 948 (*biosynth*)
Walton, E. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 2952 (*synth*)
Dickinson, M.J. *et al*, *J. Med. Chem.*, 1967, **10**, 1165.
Guarino, A.J., *Antibiotics I*, (*Gottlieb, D. et al*, Ed.), 1967, Springer-Verlag, 468 (*rev*)
Nagpal, K.L. *et al*, *J. Org. Chem.*, 1971, **36**, 3743 (*synth, pmr*)
Jain, T.C. *et al*, *J. Org. Chem.*, 1974, **39**, 30 (*synth*)
Frederiksen, S. *et al*, *Handb. Exp. Pharmakol.*, 1975, **38**, 657 (*rev, pharmacol*)
Barton, D.H.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1976, 867 (*synth*)
Robins, M.J. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 8204 (*synth*)
Norman, D.G. *et al*, *Synthesis*, 1983, 304 (*synth*)
Hansske, F. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4295 (*synth, rev*)

Cormethasone C-00544

6,6,9-Trifluoro-11β,17,21-trihydroxy-16α-methyl-pregna-1,4-diene-3,20-dione, *9CI.* **Cormetasone, *INN***

[35135-68-3]



$C_{22}H_{27}F_3O_5$ M 428.448

Topical antiinflammatory agent. Cryst. (Me_2CO/cyclohexane). Mp 215-218°.

21-Ac: [35135-67-2]. *Cormethasone acetate*, *USAN. RS 3694R.*

$C_{24}H_{29}F_3O_6$ M 470.485

Antiinflammatory agent. Mp 227-231°.

Ger. Pat., 2 118 752, (*1971*); *CA*, **76**, 46400c (*synth, pharmacol*)

Corticoliberin C-00545

Corticotropin-releasing factor, *9CI. CRF. CRH*

[9015-71-8]

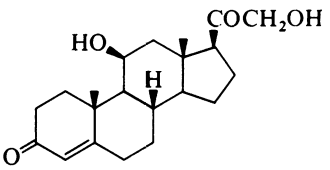
Polypeptide containing 41 amino acid residues. Isol. from posterior-pituitary extracts. Stimulates release of ACTH by adenohypophysial tissue. Diagnostic aid (Cushing's syndrome). Antiinflammatory agent.

Schally, A.V. *et al*, *Biochem. J.*, 1958, **70**, 97 (*purifn*)
Royce, P.C. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1960, **103**, 447 (*purifn*)
Schally, A.V. *et al*, *Nature (London)*, 1960, **188**, 1192
Cooper, D.M.F. *et al*, *J. Endocrinol.*, 1976, **71**, 171 (*purifn*)
Saffran, M. *et al*, *Ann. N.Y. Acad. Sci.*, 1977, **297**, 395 (*rev*)
Yasuda, N. *et al*, *Biochem. Biophys. Res. Commun.*, 1978, **85**, 1291.
Miller, R.J., *Med. Biol.*, 1983, **61**, 191 (*struct, biol activity*)
Shibahara, S. *et al*, *EMBO J.*, 1983, **2**, 775 (*cloning*)
Vale, W. *et al*, *Recent Prog. Horm. Res.*, 1983, **39**, 245 (*rev*)
Wass, J.A. *et al*, *Basic Clin. Endocrinol.*, 1983, **3**, 333 (*rev*)
Jakubke, H.-D. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1985, **24**, 85 (*rev*)
Gold, P.W. *et al*, *Adv. Biochem. Psychopharmacol.*, 1987, **43**, 183 (*physiol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16592.

Corticosterone C-00546

11β,21-Dihydroxy-4-pregnene-3,20-dione. Hydroxycortexon. Kendall's compound B. *Reichstein's Substance* H. *NSC 9705*

[50-22-6]



$C_{21}H_{30}O_4$ M 346.466

Hormone from adrenal cortex. Lustrous plates (Me_2CO), needles (EtOH). Mp 180-182°. $[\alpha]_D^{15}$ +223° (c, 1 in EtOH).

▷GM7650000.

21-Ac: [1173-26-8].
$C_{23}H_{32}O_5$ M 388.503
As active as parent. Needles (Et_2O/Me_2CO). Mp 153°. $[\alpha]_D$ +200° ($CHCl_3$).

▷GM7820000.

Benzoyl:
$C_{28}H_{34}O_5$ M 450.574
As active as parent. Cryst. (Et_2O/Me_2CO). Mp 201-202°.

Mason, H.L. *et al*, *J. Biol. Chem.*, 1936, **114**, 613 (*isol*)
Reichstein, T., *Helv. Chim. Acta*, 1937, **20**, 964, 983 (*isol*)
Oliveto, E.P. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1414 (*synth*)
Bhacca, N.S. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 8421 (*cmr*)
Campestyn, H. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 1726 (*cryst struct*)
Chafetz, L. *et al*, *J. Pharm. Sci.*, 1977, **66**, 1145 (*uv*)

Corticotrophin, INN, BAN C-00547

α^{1-39}-Corticotropin (human), 9CI. Adrenocorticotrophin. Corticotropin. Adrenocorticotropic hormone. ACTH

[9002-60-2]

H-[1]Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-[39]PheOH

$C_{207}H_{308}N_{56}O_{58}S$ M 4541.111

Struct. of human corticotropin shown. Minor differences in sequence have been identified in corticotropins from other mammalian spp. Endocrine hormone derived from pro-opiomelanotropin by proteolytic cleavage and released from the anterior lobe of the pituitary gland to cause release of several cortical hormones from the adrenal cortex. The amino terminal 1-19 sequence is necessary for corticotropic activity. Used in the clinical treatment of rheumatoid arthritis and asthma. Also used as a suspension with zinc hydroxide (Corticotropin-zinc hydroxide, INN).

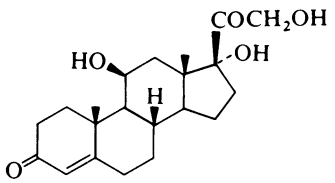
▷GM7900000.

Graf, L. *et al*, *Biochim. Biophys. Acta*, 1971, **6**, 415 (*struct*)
Sieber, P. *et al*, *Helv. Chim. Acta*, 1972, **55**, 1243 (*synth*)
Yamashiro, D. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 1310 (*synth*)
Oleofson, W., *Pharmacol. Ther.*, 1975, **B1**, 459.
Li, C.H. *et al*, *Biochem. Biophys. Res. Commun.*, 1978, **81**, 900 (*struct*)
Schwyzer, R., *Ann. N.Y. Acad. Sci.*, 1979, **297**, 3 (*rev*)
Chang, A.C.Y. *et al*, *Proc. Natl. Acad. Sci. USA*, 1980, **77**, 4890 (*cloning*)
Reith, M.E.A. *et al*, *Pharmacol. Ther.*, 1981, **12**, 449 (*metab, rev*)
Lintner, K. *et al*, *Horm. Act. Brain Pept.: Struct. Function*, 1982, 45 (*rev, conformn*)
Bennett, H.P.J. *et al*, *J. Biol. Chem*, 1983, **258**, 8108 (*struct, isoln*)
Imura, H., *Clin. Endocrinol. Metab.*, 1985, **14**, 845 (*rev*)
Jakubke, H.-D. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1985, **24**, 85 (*rev*)
Inouye, K. *et al*, *Horm. Proteins Pept.*, 1987, **13**, 1, 59, 173 (*formn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1461.

Cortisol C-00548

11β,17α,21-Trihydroxy-4-pregnene-3,20-dione, 9CI. ***Hydrocortisone, BAN, USAN, INN.*** *17α-Hydroxycorticosterone. Kendall's compound* F. *Reichstein's Substance* M. *Hydrocortone. Numerous proprietary synonyms*

[50-23-7]



$C_{21}H_{30}O_5$ M 362.465

Adrenal cortical hormone. Topical antiinflammatory; glucocorticoid antiallergic. Striated blocks (2-propanol). Mp 220° dec. $[\alpha]_D^{25}$ +157.5° (dioxan), +167° ($CHCl_3$). Bitter taste. Also employed as derivs. e.g. hemisuccinate, pentanoate.

▷Exp. teratogen. GM8925000.

21-Ac: [50-03-3]. ***Hydrocortisone acetate, USAN.*** *Cortisol acetate. Numerous proprietary names.*
$C_{23}H_{32}O_6$ M 404.502
Adrenocortical steroid. Local antiinflammatory and antiallergic agent. Monoclinic, spheroidal, tabular cryst. (Me_2CO aq.). Mp 225° (218-221.5°). $[\alpha]_D^{25}$ +166° (dioxan). Tasteless, hygroscopic.

▷GM8960000.

21-Ac, 17-propanoyl: [74050-20-7]. ***Hydrocortisone aceponate, INN.*** *Retef. BDF 6122.*
$C_{26}H_{36}O_7$ M 460.566
Antiinflammatory, antiallergic agent.

17-Butanoyl: [13609-67-1]. ***Hydrocortisone butyrate, USAN.*** *Alfason. Bukorti. Cortadin. Locoid. Locoidon. Plancol. HC 17B. TO 102.*
$C_{25}H_{36}O_6$ M 432.556

Antiinflammatory, antiallergic agent. Mp 208-210°. $[\alpha]_D$ +43°.

▷GM9002000.

21-Phosphate: [3863-59-0]. ***Hydrocortisone phosphate***. *Cortiphate inj..*
$C_{21}H_{31}O_8P$ M 442.445
Antiinflammatory, antiallergic agent.

▷GM9005000.

21-Phosphate, Di-Na salt: [6000-74-4]. *Hydrocortone sodium phosphate. Actocortin. Cleiton. Corphos. Efcortisol inj.. Flebocortid P 1000. Physiocortison.* Powder. $[\alpha]_D^{25}$ +120° (H_2O).

▷GM9006000.

17-Butanoyl, 21-propanoyl: [72590-77-3]. ***Hydrocortisone 17-butyrate 21-propionate***. *Pandel. TS 408.*
$C_{28}H_{40}O_7$ M 488.620
Antiinflammatory, antiallergic agent. Mp 122°.

▷GM9003000.

21-(3-Carboxypropanoyl): [2203-97-6]. ***Hydrocortisone hemisuccinate, USAN***.
$C_{25}H_{34}O_8$ M 462.539
Antiinflammatory, antiallergic agent.

21-(3-Carboxypropanoyl), Na salt: [125-04-2]. *Hydrocortisone sodium succinate, USAN. A-Hydrocort. Buccalsone. Nordicort. Solu-Glyc. Venort. Other proprietary names.* Amorph. powder. Mp 169-171.2°.

▷GM9015000.

21-(3-Cyclopentylpropanoyl): [508-99-6]. ***Hydrocortisone cypionate, USAN***. *Cortef fluid.*
$C_{29}H_{42}O_6$ M 486.647
Antiinflammatory, antiallergic agent. Cryst. (MeOH). Mp 166-169°.

21-(Diethylaminoacetyl): [76-47-1]. ***Hydrocortamate, INN***. *Cortisol 21-ester with* N,N-*diethylglycine, 8CI. Ulcort. AMA-De 1973. ND 1965.*
$C_{27}H_{41}NO_6$ M 475.624
Adrenocorticosteroid, antiallergic, antiinflammatory agent. Needles. Mp 170-171°.

21-(Diethylaminoacetyl); B,HCl: [125-03-1]. *Etacort. Etacortisone. Ethamicort. Magnacort. Magnacortril.* Mp 222° dec.

21-(3,3-Dimethylbutanoyl): [508-96-3]. ***Hydrocortisone tebutate***. *Hydrocortisone butylacetate. Hydrocortone TBA.*
$C_{27}H_{40}O_6$ M 460.609
Antiinflammatory, antiallergic agent. Dimorph. cryst. (EtOH). Mp 168-169°, Mp 229-230°. $[\alpha]_D^{25}$ +152° ($CHCl_3$).

17-Pentanoyl: [57524-89-7]. ***Hydrocortisone valerate, USAN***. *Cortisol valerate. Flexicort. Westcort.*
$C_{26}H_{38}O_6$ M 446.583
Antiinflammatory, antiallergic agent. Mp 159-161°. $[\alpha]_D$ +37°.

21-[(1-Benzoyl-1H-indazol-3-yl)oxy]acetyl: [53716-43-1]. ***Hydrocortisone bendazac***. *Bendacort. Cortazac. Versacort. AF 2071.*
$C_{37}H_{42}N_2O_7$ M 626.748
Antiinflammatory agent. Needles (EtOH). Mp 174-176°.

▷TU5020500.

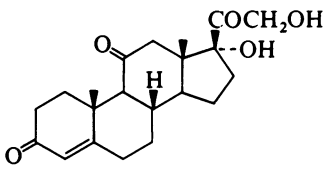
21-(O-Hydrogen dithiocarbonate): ***Hydrocortisone 21-xanthogenic acid.*** *Solvisat.*
$C_{22}H_{30}O_5S_2$ M 438.596
Antiallergic agent.

Reichstein, T., *Helv. Chim. Acta*, 1937, **20**, 953 (*isol*)
v. Euw, J. *et al*, *Helv. Chim. Acta*, 1942, **25**, 988 (*struct*)
Wendler, N.L. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3818 (*synth*)
Zaffaroni, A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1390 (*biosynth*)
B.P., 712 948, (*1954*); *CA*, **49**, 12546i (*cypionate*)
U.S.P., 2 736 733, (*1956*); *CA*, **50**, 13107 (*tebutate*)
Ger. Pat., 1 037 451, (*1958*); *CA*, **54**, 22730 (*hydrocortamate*)
Danish Pat., 88 839, (*1960*); *CA*, **55**, 21181 (*xanthogenate*)
U.S.P., 2 936 313, (*1960*); *CA*, **54**, 19783 (*phosphate*)
Biles, J.A., *J. Pharm. Sci.*, 1963, **52**, 1066 (*tebutate struct*)
Gardi, R. *et al*, *Gazz. Chim. Ital.*, 1963, **93**, 431 (*valerate*)
Vitali, R. *et al*, *Gazz. Chim. Ital.*, 1966, **96**, 1115 (*butyrate*)
Kooreman, H.J. *et al*, *Synth. Commun.*, 1971, **1**, 81 (*butyrate*)
Bhacca, N.S. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 8421 (*cmr*)
Haskins, N.J. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 423 (*ms*)
Fiegel, G., *Arzneim.-Forsch.*, 1975, **25**, 560 (*use*)
Swartz, H., *Invest. Med. Int.*, 1976, **3**, 255 (*rev, butyrate*)
B.P., 2 023 145, (*1979*); *CA*, **93**, 114834 (*aceponate*)
Ger. Pat., 2 826 257, (*1979*); *CA*, **93**, 26657 (*butyrate, propionate*)
De Angelis, L., *Drugs of Today*, 1979, **15**, 435 (*bendazac*)
Florey, K., *Anal. Profiles Drug Subst.*, 1983, **12**, 277 (*rev, synth, pharmacol, anal*)
Laurent, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1984, **317**, 421 (*Bendazac*)
Tanaka, S. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1235 (*butyrate, propionate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6346, 6986, 7335.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1105-1112, 1138.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 810.

Cortisone, BAN, INN C-00549

17α,21-Dihydroxy-4-pregnene-3,11,20-trione, 9CI. 17α-Hydroxy-11-dehydrocorticosterone. Kendall's compound Æ. Reichstein's Substance Fa. *Wintersteiner's compound* F. *Other proprietary names*

[53-06-5]



$C_{21}H_{28}O_5$ M 360.449
Adrenal cortical hormone. Used in rheumatoid arthritis and rheumatic fever therapy. Glucocorticoid, antiinflammatory agent. Rhombohedral platelets (EtOH). Mp 220-224°, 230-231°. $[\alpha]_D$ + 209° ($CHCl_3$).

▷GM9020000.

21-Ac: [50-04-4]. ***Cortisone acetate, USAN***. *Numerous proprietary names.*
$C_{23}H_{30}O_6$ M 402.486
Antiinflammatory agent. Needles (Me_2CO). Mp 239-241°, 243-245°. $[\alpha]_D^{23}$ +169° ($CHCl_3$). Component of Neosone.

▷GM9140000.

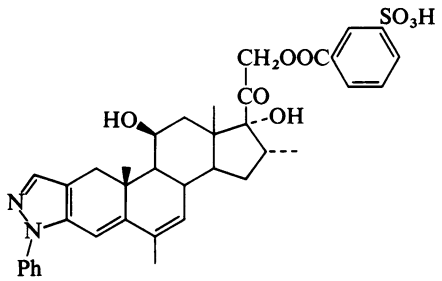
Reichstein, T., *Helv. Chim. Acta*, 1936, **19**, 1107; 1937, **20**, 978 (*isol*)
Sarett, L.H., *J. Am. Chem. Soc.*, 1948, **70**, 1454 (*synth*)
Rosenkranz, G. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4055 (*synth*)
Woodward, R.B. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4057 (*synth*)
Sarett, L.H. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 4974 (*synth*)
Weeks, C.M. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 2865 (*struct*)
Hazen, G.G., *J. Chem. Educ.*, 1980, **57**, 291 (*synth*)
Horiguchi, Y. *et al*, *J. Org. Chem.*, 1986, **51**, 4323 (*synth*)
Van Geerestein, V.J. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 136 (*cryst struct, acetate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6296, 6940 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1072.

Cortisuzol, INN C-00550

11β,17-Dihydroxy-6,16α-dimethyl-2'-phenyl-21-[(3-suflobenzoyl)oxy]-2'H-pregna-2,4,6-trieno[3,2-c]-pyrazol-20-one, 9CI. Solu-Altim. RU 16999

[50801-44-0]



$C_{37}H_{40}N_2O_8S$ M 672.792

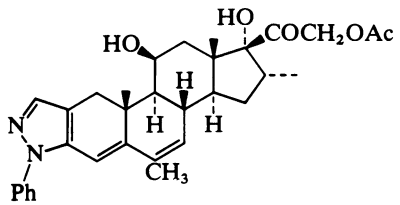
Antiasthmatic, antiinflammatory agent. Needles. Mp 280°. $[\alpha]_D^{20}$ +103° (c, 1 in EtOH aq.).

Ger. Pat., 2 307 795, (*1973*); *CA*, **79**, 137396j (*synth, pharmacol*)

Cortivazol, INN, USAN C-00551

11β,17,21-Trihydroxy-6,16α-dimethyl-2'-phenyl-2'H-pregna-2,4,6-trieno[3,2-c]pyrazol-20-one 21-acetate, 8CI. Altin. Diaster. Dilaster. Idaltim. H 3625. MK 650. NSC 80998. Ref 185

[1110-40-3]



$C_{32}H_{38}N_2O_5$ M 530.663

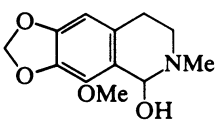
Dimorphic. Glucocorticoid, antiinflammatory agent. Mp 160-166° and 229-230°. $[\alpha]_D^{23}$ +14° ($CHCl_3$).

Fried, J.H. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 236 (*synth*)
Steelman, S.L. *et al*, *Steroids*, 1971, **18**, 129 (*pharmacol*)
Gianni, A.M. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 279 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1073.

Cotarnine C-00552

5,6,7,8-Tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-ol, 9CI

[82-54-2]



$C_{12}H_{15}NO_4$ M 237.255

Haemostatic. Small needles (C_6H_6). Mp 132-133° dec. Used mainly as chloride.

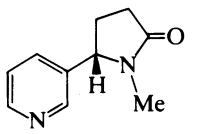
Chloride: [10018-19-6]. *Stypticin. Okistyptin.* $C_{12}H_{14}ClNO_3$ M 255.701

Phthalate ester (2:1): [6190-36-9]. *Styptol.* Light yellow deliquescent powder.

Salway, A.H., *J. Chem. Soc.*, 1910, **97**, 1208 (*synth*)
Pfeifer, H., *Arch. Pharm.*, 1957, **290**, 261 (*uv*)
Szegi, J. *et al*, *Acta Physiol. Acad. Sci. Hung.*, 1959, **16**, 325 (*pharmacol*)
Charnock, G.A. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 856 (*ms*)
Goryaev, M.I. *et al*, *Farmatsiya*, 1973, **22**, 39 (*chromatog*)
Merck Index, 10th Ed., 1983, 2529, 2530, 2531.

Cotinine, INN C-00553

1-Methyl-5-(3-pyridinyl)-2-pyrrolidinone, 9CI



Absolute configuration

$C_{10}H_{12}N_2O$ M 176.218

Alkaloid from leaf tobacco (*Nicotiana tabacum*), also detected in *Duboisia hopwoodii* (Solanaceae). Antidepressant. Viscous oil. Bp_6 210-211°. Prob. artifact of autoxidn. of nicotine.

(S)-form [486-56-6]

(−)-form

V. hygroscopic. Mp 40-43°. $Bp_{0.4}$ 142-144°.

Fumarate (2:1): [5695-98-7]. *Cotinine fumarate, USAN, INN. Scotine.*

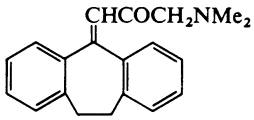
Picrate: Mp 102-103°.

Pinner, A., *Arch. Pharm.* (*Weinheim, Ger.*), 1893, **231**, 378 (*synth*)
Frankenburg, W.G. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 149 (*isol, struct, ir*)
Testa, B. *et al*, *Mol. Pharmacol.*, 1973, **9**, 10 (*conformn*)
Leete, E. *et al*, *J. Org. Chem.*, 1976, **41**, 3438; 1978, **43**, 2860 (*synth, ms*)
Tsujino, Y. *et al*, *Agric. Biol. Chem*, 1979, **43**, 871 (*synth*)
Acheson, R.M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, **2**, 579 (*synth*)
Nishida, T. *et al*, *Org. Magn. Reson.*, 1980, **13**, 434 (*cmr*)
Luanratana, O. *et al*, *Phytochemistry*, 1982, **21**, 449 (*isol*)
Benowitz, N.L. *et al*, *Clin. Pharmacol. Ther.*, 1983, **34**, 604 (*metab*)
Kyerematen, G.A. *et al*, *Life Sci.*, 1983, **32**, 551 (*metab*)

Cotriptyline, INN C-00554

1-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-3-(dimethylamino)-2-propanone, 9CI. 1-(Dimethylamino)-3-(10,11-dihydro-5H-dibenzo[a,d]-cycloheptene-5-ylidene)-2-propanone, 8CI. 10,11-Dihydro-5-(3-dimethylamino-2-oxopropylidene)-5H-dibenzo[a,d]cycloheptene. SD 2203-01

[34662-67-4]



$C_{20}H_{21}NO$ M 291.392

Antidepressant.

B,HCl: [27448-03-9]. Mp 190-196°.

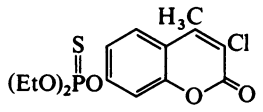
▷UC1638000.

Ger. Pat., 1 913 701, (*1969*); *CA*, **72**, 43295d (*synth, pharmacol*)
Boissier, J.R. *et al*, *Therapie*, 1971, **26**, 459 (*pharmacol*)

Coumaphos, BSI, BAN C-00555

O-(3-Chloro-4-methyl-2-oxo-2H-1-benzoypran-7-yl) O,O-diethyl phosphorothioate, 9CI. 3-Chloro-7-hydroxy-4-methylcoumarin O-ester with O,O-diethyl phosphorothioate, 8CI. ***Coumafos, INN****. Asuntol. Baymix. Co-ral. Kumafos. Meldane. Muscatox. Negasunt. Perizin. Resitox. Bayer 21/199*

[56-72-4]



$C_{14}H_{16}ClO_5PS$ M 362.764

Insecticide, acaricide, e.g. for houseflies, cattle ticks. Mp 95°. Apparently no longer in widespread use.

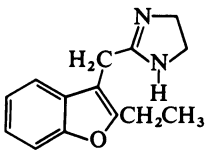
▷Mod. toxic by skin absorption. GN6300000.

B.P., 713 142, (*1954*); *CA*, **50**, 411g (*synth*)
Keith, L.H., *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Bowman, M.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1970, **53**, 499 (*glc*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P-31 nmr*)
Krijgsman, W. *et al*, *J. Chromatogr.*, 1976, **117**, 201 (*glc*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271; *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*glc, ms*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 519.

Coumazoline, INN C-00556

2-[(2-Ethyl-3-benzofuranyl)methyl]-4,5-dihydro-1H-imidazole, 9CI. Galenyl. Gayenyl. L 5818

[37681-00-8]



$C_{14}H_{16}N_2O$ M 228.293

Vasoconstrictor; nasal decongestant. Cryst. (hexane/C_6H_6). Mp 118-120°.

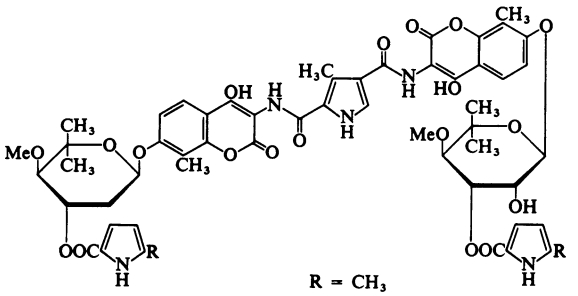
B,HCl: [37795-09-8]. *L 5818*. Cryst. (EtOH). Mp 193-197°.

Areschka, A. *et al*, *Chim. Ther.*, 1972, **7**, 337 (*synth, pharmacol*)
Ger. Pat., 2 203 373, (*1972*); *CA*, **77**, 140068t (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2049.

Coumermycin A_1 C-00557

Coumermycin, USAN*. Coumamycin, INN. Notomycin A_1. Sugordomycin D_{1a}. Bu 620. NSC 107412. Antibiotic Bu 620. Ro 5-4645/10*

[4434-05-3]



$C_{55}H_{59}N_5O_{20}$ M 1110.093

Isol. from *Streptomyces rishiriensis* and other *S.* spp. Active against gram-positive and -negative bacteria and mycobacteria. Mp 258-260° dec. $[\alpha]_D^{20}$ −141° (c, 1.0 in 75% Me_2CO aq.). Similar to Chlorobiocin. Also used as Na salt (Coumermycin sodium, USAN).

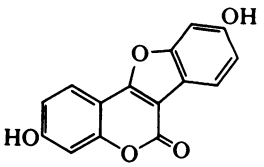
▷UX9375000.

Berger, J. *et al*, *Antimicrob. Agents Chemother.*, 1965, 778 (*synth*)
Kawaguchi, H. *et al*, *J. Antibiot., Ser. A*, 1965, **18**, 11 (*struct*)
Wick, A.E. *et al*, *Tetrahedron*, 1976, **32**, 2057 (*config*)
Berger, J. *et al*, *J. Chromatogr. Libr.*, 1978, **15**, 101 (*rev*)
Claridge, C.A. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 413 (*rev*)
Neu, H.C. *et al*, *Antimicrob. Agents Chemother.*, 1984, **25**, 687 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19000.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 813.

Coumestrol C-00558

3,9-Dihydroxy-6H-benzofuro[3,2-c] [1]benzopyran-6-one, 9CI. 6',7-Dihydroxybenzofuro[3',2',3,4]coumarin. 7,12-Dihydroxycoumestan. 3,9-Dihydroxy-6-oxopterocarpen. Cumostrol

[479-13-0]



$C_{15}H_8O_5$ M 268.225

Constit. of forage crops. Oestrogenic. Mp 385°. Subl. at 325°. Shows blue fluorescence.

▷Exp. carcinogen. DF8077000.

9-Glucoside: Coumestrin.
$C_{21}H_{18}O_{10}$ M 430.367
Constit. of *Glycine max*. Oil.

Di-Me ether: [3172-99-4]. *3,9-Dimethoxy-6-oxopterocarpen.* O,O-*Dimethylcoumestrol.*
$C_{17}H_{12}O_5$ M 296.279
Constit. of *Swartzia madagascarensis* heartwood and of *Dalbergia decipularis*. Microcryst. (MeOH). Mp 200-201° (195-198°).

O^3-*Me:* ***3-O-Methylcoumestrol****. 4'-O-Methylcoumestrol.*
$C_{16}H_{10}O_5$ M 282.252
Isol. from alfalfa (*Medicago sativa*). Cryst. (Me_2CO/MeOH). Mp 331-332°.

Bikoff, E.M. *et al*, *Science*, 1957, **126**, 969 (*isol*)
Bikoff, E.M. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 3969 (*struct*)
Micheli, R.A. *et al*, *J. Med. Chem.*, 1962, **5**, 321 (*pharmacol*)
Schauer, H., *Deut. Apotheker.-Ztg.*, 1964, **104**, 987 (*rev, props*)
Bickoff, E.M. *et al*, *J. Agric. Food Chem.*, 1965, **13**, 596 (*deriv*)
Harper, S.H. *et al*, *J. Chem. Soc. (C)*, 1969, 1109 (*deriv*)
Dewick, P.M. *et al*, *Phytochemistry*, 1970, **9**, 775 (*biosynth*)
De Alencar, R. *et al*, *Phytochemistry*, 1972, **11**, 1517.
Kappe, T., *Z. Naturforsch., B*, 1974, **29**, 292 (*synth*)
Kurosawa, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 1955 (*synth*)
Le-Van, N., *Phytochemistry*, 1984, **23**, 1204 (*Coumestrin*)
Pandit, S.B. *et al*, *Synth. Commun.*, 1988, **18**, 157 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2773.

Creatinolfosfate, INN C-00559

N-Methyl-N-[2-(phosphonooxy)ethyl]guanidine, 9CI. 1-(2-Hydroxyethyl)-1-methylguanidine dihydrogen phosphate, 8CI. Aplodan. Dragosil oral. Gipron. Nergize

[6903-79-3]

$HN{=}C(NH_2)NMeCH_2CH_2OP(O)(OH)_2$

$C_4H_{12}N_3O_4P$ M 197.130

Antianginal agent. Mp 243-244°.

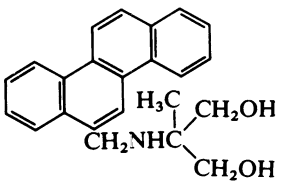
▷MF3600500.

Ferrari, G. *et al*, *Farmaco, Ed. Sci.*, 1965, **20**, 879 (*synth*)
Marchetti, G, *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **191**, 337 (*pharmacol*)
Ferrari, G. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1446 (*synth, rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12616.

Crisnatol, INN C-00560

2-[(6-Chrysenylmethyl)amino]-2-methyl-1,3-propanediol, 9CI

[96389-68-3]



$C_{23}H_{23}NO_2$ M 345.440

Antineoplastic agent.

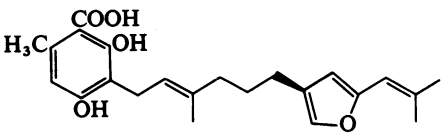
B,2HCl: [106988-42-5]. Cryst. (MeOH/Et_2O). Mp 241-243° dec.

Eur. Pat., 125 702, (*1984*); *CA*, **102**, 220604 (*synth, pharmacol*)

Cristatic acid C-00561

5-Methyl-2-[3-methyl-6-[5-(2-methyl-1-propenyl)-3-furanyl]-2-hexenyl]benzoic acid, 9CI

[80557-13-7]



$C_{23}H_{28}O_5$ M 384.471

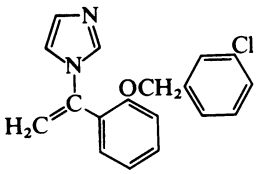
Isol. from *Albatrellus cristatus*. Shows cytotoxic activity. Active against *Bacillus* sp. and tumours. Haemolytic. Cryst. (pet. ether). Mp 104°.

Zechlin, L. *et al*, *Justus Liebigs Ann. Chem.*, 1981, 2099 (*isol, spectra*)

Croconazole, INN C-00562

1-[1-[2-[(3-Chlorophenyl)methoxy]phenyl]ethenyl]-1H-imidazole, 9CI. Cloconazole

[77175-51-0]



$C_{18}H_{15}ClN_2O$ M 310.782

Antifungal agent. Cryst. (hexane). Mp 72-73°.

B,HCl: [77174-66-4]. *Pilzcin. Pirutsusin. 710674* S. Cryst. (EtOAc/MeCN). Mp 148.5-150°.

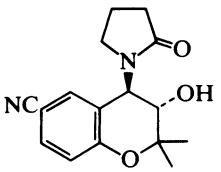
▷NI4376800.

Ogata, M. *et al*, *J. Med. Chem.*, 1983, **26**, 768 (*synth,pharmacol*)
Yamamoto, K. *et al*, *Oyo Yakuri*, 1984, **27**, 533 (*pharmacol*)
Ogata, M. *et al*, *J. Med. Chem.*, 1987, **30**, 1348 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1983.

Cromakalim, BAN, INN C-00563

3,4-Dihydro-3-hydroxy-2,2-dimethyl-4-(2-oxo-1-pyrrolidinyl)-2H-1-benzopyran-6-carbonitrile, 9CI. BRL 34915

[86776-67-2]



$C_{16}H_{18}N_2O_3$ M 286.330

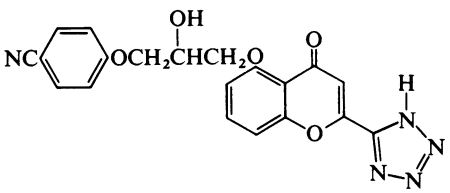
Antihypertensive agent. Potent vasodilator functioning by hyperpolarisation of vascular smooth muscle membranes and opening of K channels. Cryst. (EtOAc). Mp 230-231°.

Ashwood, V.A. *et al*, *J. Med. Chem.*, 1986, **29**, 2194 (*synth, pharmacol*)
Buckingham, R.E., *Br. J. Pharmacol.*, 1988, **93**, 541 (*pharmacol*)
Cook, N.S. *et al*, *J. Cardiovasc. Pharmacol.*, 1988, **11**, 90 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3034.

Cromitrile, INN C-00564

4-[2-Hydroxy-3-[[4-oxo-2-(1H-tetrazol-5-yl)-4H-1-benzopyran-5-yl]oxy]propoxy]benzonitrile, 9CI

[53736-51-9]



$C_{20}H_{15}N_5O_5$ M 405.369

(±)-form [53736-51-9]

Antiallergic and antiinflammatory agent. Mp 223°.

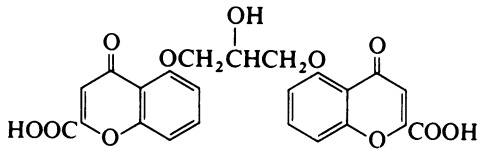
Na salt: [53736-52-0]. *Cromitrile sodium, USAN. TR 2855.* Mp 308°.

Ger. Pat., 2 360 355, (*1974*); *CA*, **81**, 91538t (*synth, pharmacol*)
U.S.P., 4 238 495, (*1980*); *CA*, **94**, 139623 (*synth, pharmacol*)

Cromoglycic acid, BAN **C-00565**

5,5'-[(2-Hydroxy-1,3-propanediyl)bis(oxy)]bis[4-oxo-4H-1-benzopyran-2-carboxylic acid, 9CI. ***Cromoglicic acid, INN***

[16110-51-3]



$C_{23}H_{16}O_{11}$ M 468.373

Drug for prophylaxis of allergic conditions. Mp 216-217°.

Di-Na salt: [15826-37-6]. *Cromolyn sodium, USAN. Sodium cromoglicate, JAN. Lomusol. Opticrom. Rynacrom. Intal. Other proprietary names.* Mp 241-242° dec.

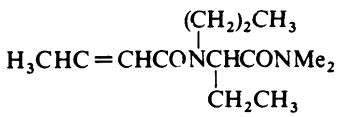
▷DJ2380000.

B.P., 1 144 906, (*1969*); *CA*, **71**, 91309 (*synth*)
Cox, J.S.G., *Pharmacol. Biochem. Prop. Drug Subst.*, 1977, **1**, 277 (*rev, pharmacol*)
Church, M.K., *Drugs of Today*, 1978, **14**, 353 (*rev*)
Berman, B.A. *et al*, *Clin. Rev. Allergy*, 1983, **1**, 105 (*rev*)
Suschitzky, J.L. *et al*, *Prog. Med. Chem.*, 1984, **21**, 1 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6791 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7721.

Cropropamide, BAN, INN **C-00566**

N-[1-[(Dimethylamino)carbonyl]propyl]-N-propyl-2-butenamide, 9CI. *N-[1-(Dimethylcarbamoyl)propyl]-N-propylcrotonamide, 8CI*

[633-47-6]



$C_{13}H_{24}N_2O_2$ M 240.345

(±)-form

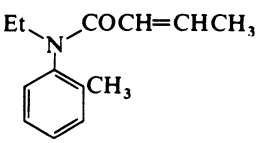
Analgesic. Sol. H_2O, Et_2O. $Bp_{0.25}$ 128-130°. When combined with Crotethamide, C-00569 used as respiratory stimulant. Component of Prethcainide, Gycoren, Miconen and Respirot.

U.S.P., 2 447 587, (*1949*); *CA*, **43**, 248g (*synth*)
Setnikar, I. *et al*, *Arch. Int. Pharmacodyn.*, 1964, **147**, 543 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1441.

Crotamiton, BAN, INN **C-00567**

N-Ethyl-N-(2-methylphenyl)-2-butenamide, 9CI. *N-Ethyl-o-crotonotoluidide, 8CI. Eurax. Numerous proprietary names*

[483-63-6]



$C_{13}H_{17}NO$ M 203.283

Fungicide, insecticide. Antipruritic and scabicide. Yellow oil. Bp_{13} 153-155°.

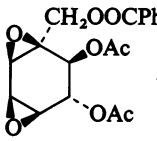
▷GQ7000000.

Domenjoz, R., *Schweiz. Med. Wochschr.*, 1946, **76**, 9 (*pharmacol*)
B.P., 615 137, (*1949*); *CA*, **43**, 5413 (*synth*)
Gao, Y. *et al*, *CA*, 1985, **102**, 220525 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2813 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1603.

Crotepoxide **C-00568**

2,3:4,5-Dianhydro-2-C-[(benzoyloxy)methyl]-D-epi-inositol diacetate, 11CI. *4-[(Benzoyloxy)methyl]-3,8-dioxatricyclo[5.1.0.0^{2,4}]octane-5,6-diol diacetate, 9CI. Futoxide*

[20421-13-0]



Absolute configuration

$C_{18}H_{18}O_8$ M 362.335

(+)-form

Isol. from the fruits of *Croton macrostachys* and from a *Boesenbergia* sp. Antineoplastic agent. Mp 152-153°. $[\alpha]_D^{25}$ +75° (+64°) (c, 1.70 in $CHCl_3$).

(±)-form [58072-91-6]

Needles (MeOH). Mp 110-111°.

Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 2982 (*isol, cryst struct, config, pharmacol*)
Coggon, P. *et al*, *J. Chem. Soc.* (*B*), 1969, 534 (*cryst struct*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3898 (*isol, uv*)
Oda, K. *et al*, *Tetrahedron Lett.*, 1975, 3187 (*synth*)
Demuth, M.R. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 634 (*synth*)
Matsumoto, M. *et al*, *Tetrahedron Lett.*, 1977, 3361 (*synth*)
Schlessinger, R.H. *et al*, *J. Org. Chem.*, 1981, **46**, 5252 (*synth*)
Pancharven, O. *et al*, *Aust. J. Chem.*, 1984, **37**, 221 (*cryst struct*)
Ogawa, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 800 (*synth*)

Crotethamide, BAN **C-00569**

N-[1-[(Dimethylamino)carbonyl]propyl]-N-ethyl-2-butenamide, 9CI. *N-[1-(Dimethylcarbamoyl)propyl]-N-ethylcrotonamide, 8CI. 2-(N-Ethylcrotonamido)-N,N-dimethylbutyramide.* ***Crotetamide, INN***

[6168-76-9]

$H_3CCH{=}CHCONEtCH(CH_2CH_3)CONMe_2$

$C_{12}H_{22}N_2O_2$ M 226.318

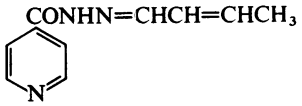
Stereochem. undefined. Analgesic, analeptic. Sol. H_2O, Et_2O. $Bp_{0.03}$ 132-134°. Component of Prethcamide, Gycoren, Miconen, Micoren, Respirot and Spirot.

U.S.P., 2 447 587, (*1948*); *CA*, **43**, 248 (*synth*)
Bouyard, P. *et al*, *Compt. Rend. Soc. Biol.*, 1957, **151**, 970 (*pharmacol*)
Domenjoz, R., *Anaesthetist*, 1959, **8**, 16 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1442.

Crotoniazide, INN **C-00570**

4-Pyridinecarboxylic acid 2-(2-butenylidene)hydrazide, 9CI. Isonicotinic acid 2-butenylidenehydrazide. Crotoylidenisoniazid. Isaniryl. 1352 CB

[7007-96-7]



$C_{10}H_{11}N_3O$ M 189.216

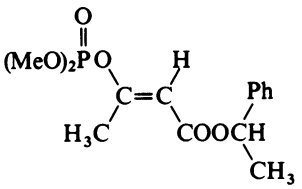
Tuberculostatic agent. Cryst. (MeOH). Mp 209.5-210.5°.

McMillan, F.H. *et al, J. Am. Pharm. Soc.*, 1953, **42**, 457 (*synth*)
Grammatickais, P., *Bull. Soc. Chim. Fr.*, 1955, 1471 (*synth*)
Lespagnol, C. *et al, Therapie*, 1959, **14**, 313 (*pharmacol*)
Gupta, S.K., *J. Sci. Ind. Res., Sect. C*, 1961, **20**, 207 (*pharmacol*)
Gupta, S.K. *et al, Arch. Int. Pharmacodyn.*, 1962, **135**, 178 (*pharmacol*)

Crotoxyphos, BSI, ISO **C-00571**

1-Phenylethyl 3-[(dimethoxyphosphinyl)oxy]-2-butenoate, 9CI. 3-Hydroxycrotonic acid α-methylbenzyl ester dimethylphosphate, 8CI. Dimethyl 1-methyl-2-(1-phenylethoxycarbonyl)vinyl phosphate. α-Methylbenzyl 3-(dimethoxyphosphinyloxy)isocrotonate. ***Crotoxyfos, BAN****. Ciodrin*

[326-12-5]



$C_{14}H_{19}O_6P$ M 314.274

Coml. samples contain ca. 80% (*E*)-form.

(±)-(*E*)-form [7700-17-6]

Insecticide for external use on livestock. Cholinesterase inhibitor. Straw-coloured liq. (tech.). d^{25} 1.19. $Bp_{0.03}$ 135°. n_D^{25} 1.4988.

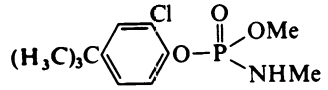
▷GQ5075000.

U.S.P., 2 982 686, (*1961*); *CA*, **55**, 22240 (*synth*)
Keith, L.H. *et al, Anal. Chim. Acta*, 1968, **51**, 1063 (*pmr*)
Ross, R.T. *et al, Anal. Chim. Acta*, 1970, **52**, 139 (*P-31 nmr*)
Beynon, K.I. *et al, Residue Rev.*, 1973, **47**, 55.
Szalontai, G., *J. Chromatogr.*, 1976, **124**, 9 (*hplc*)
Pesticide Manual, 6th Ed., 130; 7th Ed., 138.
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A100.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Crufomate, BSI, BAN, INN, USAN **C-00572**

2-Chloro-4-(1,1-dimethylethyl)phenyl methyl methylphosphoramidate, 9CI. (4-tert-Butyl-2-chlorophenyl) methyl methylphosphoramidate, 8CI. Amidophos. Montrel. Ruelene. Dowco 132. ENT 25602-x

[299-86-5]



$C_{12}H_{19}ClNO_3P$ M 291.714

Insecticide, veterinary anthelmintic. Cryst. (pet. ether or CCl_4) (coml. prod. may be an oil). Sol. Me_2CO, CCl_4, C_6H_6, insol. H_2O. Mp 60-60.5°.

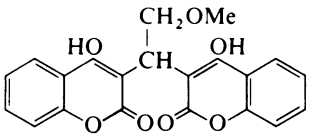
▷TB3850000.

U.S.P., 2 929, 762, (*1960*); *CA*, **54**, 18439 (*synth*)
Gaines, T.B., *Toxicol. Appl. Pharmacol.*, 1966, **14**, 515 (*tox*)
Keith, L.H. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Getz, M.E. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1101 (*tlc*)
Ross, R.T. *et al, Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)
Bakke, J.E. *et al, Biomed. Mass Spectrom.*, 1976, **3**, 299, 316 (*metab, ms*)
Szalontai, G., *J. Chromatogr.*, 1976, **124**, 9 (*hplc*)
Baughman, R.G. *et al, J. Agric. Food Chem.*, 1978, **26**, 398 (*cryst struct*)
Ripley, B.D. *et al, J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Pesticide Manual, 6th Ed., 131.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3572.

Cumetharol, BAN **C-00573**

3,3'-(2-Methoxyethylidene)bis[4-hydroxy-2H-1-benzopyran-2-one, 9CI. 4,4'-Dihydroxy-3,3'-(2-methoxyethylidene)dicoumarin. ***Coumetarol, INN****. Cumethoxan. Dicoumoxyl. Dicumoxane. Ph 137*

[4366-18-1]



$C_{21}H_{16}O_7$ M 380.353

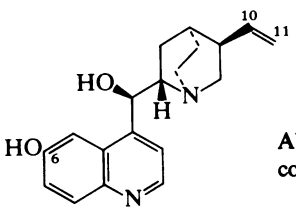
Anticoagulant. Cryst. (EtOH). Mp 156-157°.

Veldstra, H. *et al, Recl. Trav. Chim. Pays-Bas*, 1953, **72**, 358 (*synth*)
Vignalou, J. *et al, Therapie*, 1961, **16**, 143 (*pharmacol*)
Laruelle, C. *et al, Bull. Soc. Chim. Fr.*, 1974, 2111 (*nmr*)
Convert, O. *et al, Org. Magn. Reson.*, 1977, **10**, 220 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4808.

Cupreine **C-00574**

(8α,9R)-Cinchonan-6',9-diol, 9CI. Ultraquinine

[524-63-0]



Absolute configuration

$C_{19}H_{22}N_2O_2$ M 310.395

Alkaloid from *Remijia pedunculata*, poss. also present in *Picrolemma pseudocoffea* (Rubiaceae, Simaroubaceae). Mp 198°. $[\alpha]_D$ −175° (EtOH).

B,H₂SO₄: Mp 257°.
Di-Ac: Mp 88°.
Me ether: see Quinine, Q-00028
O⁶-Et: Quinethyline.
$C_{21}H_{26}N_2O_2$ M 338.449
Febrifuge. Mp 160°. $[\alpha]_D$ −169.4° (EtOH).
10,11-Dihydro: [5962-19-6]. ***Dihydrocupreine****. 10,11-Dihydrocinchonan-6',9-diol, 9CI. Hydrocupreine.*
$C_{19}H_{24}N_2O_2$ M 312.411
Alkaloid from the bark of *Timonius kaniensis* (Rubiaceae). Glass or foam. $[\alpha]_D$ −143° (c, 0.7 in EtOH).
10,11-Dihydro, picrate: Mp 250-252°.
10,11-Dihydro, O⁶-Et: see 6'-Ethoxy-10,11-dihydrocinchonan-9-ol, E-00163

▷*MW5950000.*

Paul, *et al*, *Pharm. J.*, 1881, **12**, 497 (*isol*)
Giemsa, G. *et al*, *Ber.*, 1918, **51**, 1325 (*derivs*)
Altman, R.F.A., *CA*, 1958, **52**, 506a (*occur*)
Lyle, G.G. *et al*, *Tetrahedron*, 1967, **23**, 51 (*ord*)
Johns, S.R. *et al*, *Aust. J. Chem.*, 1970, **23**, 211 (*Dihydrocupreine*)

Cupric acetate C-00575

[142-71-2]

$Cu(CH_3COO)_2$

$C_4H_6CuO_4$ M 181.635
Exists as dimer. Fungicide. Dark-green cryst. Mp 115°. Dec. at 240°. $^{64}Cu(Ac)_2$ used as radioactive agent.
▷AG3480000.

Kirk-Othmer. Encycl. Chem. Tech., 3rd Ed., 1978-1984, Wiley, N.Y., 267 (*rev*)
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 950, 951.

Cupric sulfate C-00576

[7758-98-7]

$CuSO_4$

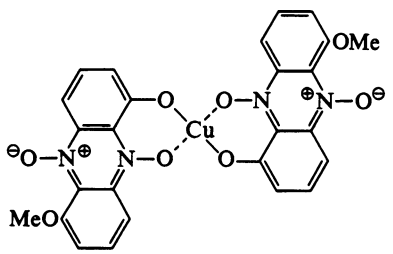
CuO_4S M 159.604
Occurs as mineral hydrocyanite. Phosphorus antidote, topical antifungal agent; used with cupric hydroxide as Bordeaux mixture. Grey-green rhomb. cryst. Mp 200°. Dec. above 560°; forms CuO at 650°.
▷GL8800000.
Pentahydrate: [7758-99-8]. Blue cryst. + $5H_2O$ (H_2O). Loses $5H_2O$ at 250°.
▷GL8900000.

Stringer, H.C.W., *Drugs*, 1973, **6**, 413 (*pharmacol*)
Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley Interscience, N.Y., 1975, 280 (*manuf*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5285.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 957, 958.

Cuprimyxin, INN C-00577

Bis(6-methoxy-1-phenazinol 5,10-dioxidato-O^1,O^{10}) copper, 9CI. Ro 7-4488. UNITOP

[28069-65-0]



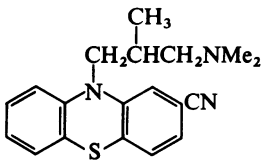
$C_{26}H_{18}CuN_4O_8$ M 577.996
Antibacterial and antifungal agent. Dark-green, fine cryst.

Ger. Pat., 1 931 466, (*1970*); *CA*, **72**, 70632 (*synth, props*)
U.S.P., 3 985 734, (*1976*); *CA*, **86**, 8625 (*synth*)

Cyamemazine, INN C-00578

10-[3-(Dimethylamino)-2-methylpropyl]-10H-phenothiazine-2-carbonitrile, 9CI. 2-Cyano-10-(3-dimethylamino-2-methylpropyl)phenothiazine. Cyamepromazine. Cianatil. Tercian. FI 6229. RP 7204. 2602 TH

[3546-03-0]



$C_{19}H_{21}N_3S$ M 323.455
Neuroleptic, antihistamine. Yellow oil. $Bp_{0.2\text{-}0.5}$ 205-220°.
▷SN6950000.
Maleate: Mp 196-197°.

Craig, P.N. *et al*, *J. Org. Chem.*, 1961, **26**, 1138 (*synth*)
Julou, J. *et al*, *Compt. Rend. Soc. Biol.*, 1961, **155**, 1029 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*props, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7033.

Cyanamide C-00579

Carbodiimide

[420-04-2]

$HN{=}C{=}NH$

CH_2N_2 M 42.040
Cryst. Sol. H_2O, EtOH, Et_2O, $CHCl_3$, C_6H_6. Mp 42°. Bp_{19} 140°. Steam-volatile.
▷Highly toxic, TLV 2. Dec. violently >50° in contact with H_2O, acids or alkalis. GS5950000.
Ca cpd.: [156-62-7]. *Calcium carbimide, INN.*
$CCaN_2$ M 80.104
Anthelmintic. Hexagonal cryst. Mp ca. 1340°. Forms calcium hydrogen cyanamide in aq. soln.
▷GS6000000.
Cpd. with citric acid (2:1): Dipstan. Abstem. Temposil. Antialcoholic.

Osterberg, A.E. *et al*, *J. Biol. Chem.*, 1917, **32**, 297 (*synth*)
Traube, W. *et al*, *Angew. Chem.*, 1926, **39**, 1469 (*synth*)
Liebknechit, O., *Angew. Chem.*, 1932, **45**, 584 (*synth*)
B.P., 360 621, (*1933*); *CA*, **27**, 1107
Ger. Pat., 648 541 2, (*1937*); *CA*, **31**, 8844 (*synth*)
Denner, L. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1979 (*cryst struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 168.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 295.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 526.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 259.

Cyanoacetohydrazide C-00580

Cyanoacetic acid hydrazide, 9CI. ***Cyacetacide, INN.*** *Cyacetazide, BAN. Numerous proprietary names*

[140-87-4]

$H_2NNHCOCH_2CN$

$C_3H_5N_3O$ M 99.092
Antitubercular and anthelmintic agent. Stout prisms (EtOH). V. sol. H_2O, EtOH, insol. Et_2O. Mp 108-110° (114.5-115°, evac. tube). Rapidly dec. by heat.
▷AG4200000.

B,HCl: Cryst. Mp 145°.

v. Rothenburg, R., *Ber.*, 1894, **27**, 687 (*synth*)
Darapsky, A. *et al*, *J. Prakt. Chem.*, 1915, **92**, 313 (*synth*)
Klosa, J., *Arch. Pharm. (Weinheim, Ger.)*, 1955, **288**, 453 (*synth*)
Serembe, M., *Minerva Med.*, 1955, 453 (*pharmacol*)
Oehme, P. *et al*, *Acta Biol. Med. Ger.*, 1968, **21**, 635 (*pharmacol*)
Chieh, P.C., *J. Chem. Soc., Perkin Trans. 2*, 1973, 1825 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 99 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7555.

N-Cyano-*N'*-(1,1-dimethylpropyl)-guanidine, 9CI C-00581

*1-Cyano-3-*tert*-pentylguanidine, 8CI.* ***Guancidine, INN.*** *Guancydine, USAN. CL 2422*

[1113-10-6]

$H_3CCH_2C(CH_3)_2NHC(NH_2)=NCN$

$C_7H_{14}N_4$ M 154.214
Antihypertensive drug. Mp 154-156°.
▷MF0175000.

Gadekar, S.M. *et al*, *J. Med. Chem.*, 1968, **11**, 811 (*synth, pharmacol*)
Worcel, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1971, **179**, 42 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 868.

2-Cyano-3,3-diphenyl-2-propenoic acid, 9CI C-00582

Diphenylmethylenemalonic mononitrile. 2-Cyano-3,3-diphenylacrylic acid, 8CI. α-Cyano-β-phenylcinnamic acid

[10380-41-3]

$Ph_2C=C(CN)COOH$

$C_{16}H_{11}NO_2$ M 249.268
Needles ($CHCl_3$/pet. ether). Mp 178°. Decarboxylates at 190°.

Et ester: [5232-99-5]. ***Etocrilene, INN.*** *Etocrylene, USAN. Uvinul* N-*35.*
$C_{18}H_{15}NO_2$ M 277.322
UV screen, light stabiliser for polymers. Mp 95-97°.
▷AT6200000.

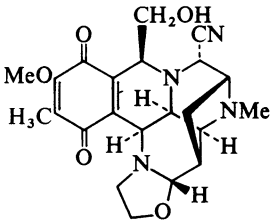
2-Ethylhexyl ester: [6197-30-4]. ***Octocrilene, INN.*** *Octocrylene, USAN. Uvinul* N-*539.*
$C_{24}H_{27}NO_2$ M 361.483
UV screen.

Kohler, E.P. *et al*, *Am. Chem. J.*, 1905, **33**, 333 (*synth*)
Cragoe, E.J. *et al*, *J. Org. Chem.*, 1950, **15**, 381 (*synth, ester*)
Belg. Pat., 619 809, (*1962*); *CA*, **58**, 13853 (*esters*)
Rivet-Le Guellac, P. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1963, **257**, 2124 (*ir*)
Netherlands Pat., 293 502, (*1965*); *CA*, **64**, 4862 (*synth, use*)
Rivet-Le Guellac, P. *et al*, *J. Chim. Phys. Physiochem. Biol.*, 1973, **70**, 1268 (*pmr*)

Cyanonaphthyridinomycin C-00583

Cyanocycline A. *Antibiotic 49A*

[82423-05-0]



$C_{22}H_{26}N_4O_5$ M 426.471
Quinone-type antibiotic. Isol. from *Streptomyces flavogriseus*. Shows broad spectrum antimicrobial and antitumour activity. Stabilized and more active form of naphthyridinomycin. Orange-red needles. $[\alpha]_D^{25}$ +82° (c, 1 in $CHCl_3$). $[\alpha]_D$ +76° (c, 0.5 in MeOH). Browns at 163°. Dec. at 168-170°.

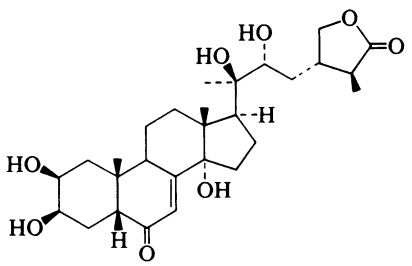
O-*De-Me:* [82475-12-5]. *Cyanocycline* F. *Naphthocyanidine.*
$C_{21}H_{24}N_4O_5$ M 412.444
Prod. semisynthetically from Antibiotic SF1739 or Cyanocycline *A*. Broad spectrum antibiotic with antitumour activity. Orange-red cryst. Mp 160°. $[\alpha]_D^{25}$ +61° (c, 1 in $CHCl_3$), $[\alpha]_D$ +76° (c, 0.5 in MeOH). λ_{max} 270 nm (EtOH).

Japan. Pat., 79 126 793, (*1979*); *CA*, **93**, 68655 (*isol*)
Zmijewski, M.J. *et al*, *J. Antibiot.*, 1982, **35**, 524 (*synth, props*)
Itoh, I. *et al*, *J. Antibiot.*, 1982, **35**, 642 (*isol*)
Hayashi, T. *et al*, *J. Antibiot.*, 1982, **35**, 771; 1983, **36**, 1228 (*isol, ur, ir, pmr, props*)
Hayashi, T. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1983, 335 (*cryst struct*)
Fukuyama, T. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 1587 (*synth*)

Cyasterone C-00584

2,3,14,20,22,28-Hexahydroxy-6-oxostigmast-7-en-26-oic acid γ-lactone, 9CI

[17086-76-9]



$C_{29}H_{44}O_8$ M 520.662
$C_{30}H_{44}O_9$ M 548.672
Insect moulting hormone from *Cyathula capitata*. Isol. from *Asuga* sp. Hypoglycaemic, antilipidaemic agent. Cryst. + $\frac{1}{2}H_2O$ (MeOH). Mp 164-166°. $[\alpha]_D$ +64.5° (c, 8.6 in Py).
▷WJ2510000.

22-Ac: ***22-Acetylcyasterone.***
$C_{31}H_{46}O_9$ M 562.699
Constit. of *Ajuga turkestanica*. Cryst. (EtOH).

5-Epimer: [31581-82-5]. ***5-Epicyasterone.***
$C_{29}H_{44}O_8$ M 520.662
Insect moulting hormone from *C. capitata*. Cryst. Mp 274-275°.

29-Nor: [79495-93-5]. *2β,3β,14,20,22*R,*28-Hexahydroxy-6-oxo-7-ergosten-26-oic acid, γ-lactone, 9CI.* ***29-Norcyasterone.***
$C_{28}H_{42}O_8$ M 506.635

Phytoecdysteroid from *A. reptans*. Cryst. (MeOH). Mp 152-155°. $[\alpha]_D$ +32.4° (c, 6.25 in MeOH).

29-Nor, 2-Ac: ***2-Acetyl-29-norcyasterone***.

$C_{30}H_{44}O_9$ M 548.672

Constit. of *A. reptans*. Needles (MeOH). Mp 214-218°.

29-Nor, 3-Ac: ***3-Acetyl-29-norcyasterone***.

$C_{30}H_{44}O_9$ M 548.672

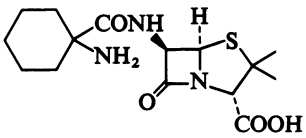
Constit. of *A. reptans*. Prisms (MeOH). Mp 235-248°.

Hikino, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 433 (*epimer*)
Hikino, H. *et al*, *Tetrahedron*, 1971, **27**, 315 (*struct*)
Boid, R. *et al*, *Biochem. Soc. Trans.*, 1974, **2**, 1066 (*biosynth*)
Usmanov, B.Z. *et al*, *Khim. Prir. Soedin.*, 1978, 215 (*deriv*)
Camps, F. *et al*, *Chem. Lett.*, 1982, 1313 (*Norcyasterone*)
Syrov, V.N. *et al*, *Dokl. Akad. Nauk. UzSSR*, 1983, **9**, 44 (*pharmacol*)
Camps, F. *et al*, *J. Chem. Res.* (*S*), 1985, 14; *J. Chem. Res.* (*M*), 241 (*cryst struct*)

Cyclacillin, USAN C-00585

(1-Aminocyclohexyl)penicillin. ***Ciclacillin, BAN, INN, JAN.*** *Cyclopen-W. Wy 4508. Antibiotic Wy 4508. Other proprietary names*

[3485-14-1]



$C_{15}H_{23}N_3O_4S$ M 341.424

Semisynthetic penicillin. Sol. H_2O. Mp 182-183°. $[\alpha]_D^{25}$ +268° (H_2O). pK_{a1} 2.68, pK_{a2} 7.50 (H_2O).

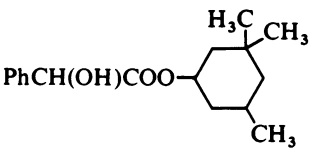
▷GT8450000.

U.S.P., 3 194 802, (*1965*); *CA*, **63**, 11569 (*synth*)
Alburn, H.E. *et al*, *Antimicrob. Agents Chemother.*, 1967, 586.
Rosenman, S.B. *et al*, *Antimicrob. Agents Chemother.*, 1967, 590, 597, 602.
Tsau, J. *et al*, *Int. J. Pharm.*, 1982, **12**, 185 (*hplc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3748.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 63.

Cyclandelate, BAN C-00586

α-Hydroxybenzeneacetic acid 3,3,5-trimethylcyclohexyl ester, 9CI. Mandelic acid 3,3,5-trimethylcyclohexyl ester, 8CI. 3,3,5-Trimethylcyclohexyl mandelate. Cyclospasmol. Numerous proprietary names

[456-59-7]



$C_{17}H_{24}O_3$ M 276.375

Antispasmodic, vasodilator. Insol. H_2O. Mp 50-53°. Bp_{14} 192-194°.

▷OO8200000.

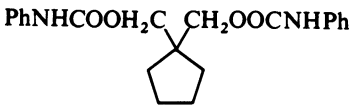
3-Pyridinecarboxylate: see Micinicate, M-00362

Brock, N. *et al*, *Arzneim.-Forsch.*, 1952, **2**, 165 (*synth*)
van den Akker, S. *et al*, *Arzneim.-Forsch.*, 1957, **7**, 15 (*pharmacol*)
Ernsting, M.J.E. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 632, 691, 853 (*metab*)
Ernsting, M.J.E. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1962, **81**, 751 (*synth*)
Doorendos, H.J. *et al*, *Pharm. Weekblad.*, 1965, **100**, 633 (*pharmacol*)
van der Vlies, C. *et al*, *Pharm. Weekblad.*, 1966, **101**, 93 (*nmr*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Amano, T. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 1106 (*cmr, ir, glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4531.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9222.

Cyclarbamate, BAN, INN C-00587

1,1-Cyclopentanedimethanol bis(phenylcarbamate), 9CI. 1,1-Cyclopentanedimethanol dicarbanilate, 8CI. 1,1-Dihydroxymethylcyclopentane N,N′-diphenylcarbamate. 1,1-Di(phenylcarbamoyloxymethyl)cyclopentane. Camalon. Calmalone. Casmalon. Cyclopentaphene. BSM 906M. C 1428

[5779-54-4]



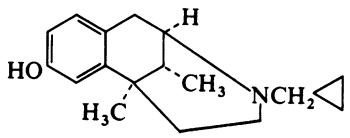
$C_{21}H_{24}N_2O_4$ M 368.432

Tranquilliser, antispasmodic. Needles (MeOH). Sl. sol. EtOH. Mp 151-152°.

Bourdais, J., *Bull. Soc. Chim. Fr.*, 1962, 266 (*synth*)
Matsuo, S. *et al*, *Japan. J. Pharmacol.*, 1968, **18**, 200 (*pharmacol*)

Cyclazocine, INN, USAN C-00588

3-Cyclopropylmethyl-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocin-8-ol, 9CI. Cyclozine. NIH 7981. NSC 107429. UM 407. Win 20740



(−)-*form* Absolute configuration

$C_{18}H_{25}NO$ M 271.402

(−)-*form* [7313-86-2]

Cryst.

(±)-*form* [3572-80-3]

Narcotic analgesic. Cryst. (MeOH). Mp 201-204°.

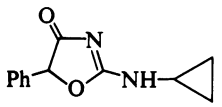
▷PB8585000.

Archer, S. *et al*, *J. Med. Chem.*, 1964, **7**, 123 (*synth, pharmacol*)
Tullar, B.F. *et al*, *J. Med. Chem.*, 1967, **10**, 383 (*synth, pharmacol*)
Karle, I.L. *et al*, *Acta Crystallogr., Sect. B*, 1969, **25**, 1469 (*cryst struct, abs config*)
Berger, A., *Fortschr. Arzneimittelforsch.*, 1971, **15**, 227 (*rev, props*)
Robinson, F.M., *Annu. Rep. Med. Chem.*, 1972, **7**, 31 (*rev, props*)
Gray, A.P., *Biochem. Psychopharmacol.*, 1973, **8**, 555 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7301.

Cyclazodone, INN C-00589

2-(Cyclopropylamino)-5-phenyl-4(5H)-oxazolone, 9CI. 2-(Cyclopropylamino)-5-phenyl-2-oxazolin-4-one, 8CI. LD 3695

[14461-91-7]

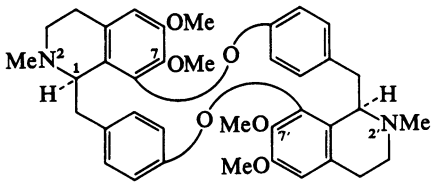


$C_{12}H_{12}N_2O_2$ M 216.239

(±)-form
Analeptic drug. Mp 139-140°.
Najer, H. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 1810 (*synth, uv, ir, pharmacol*)
Guidicelli, R. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1967, **265**, 165 (*derivs*)

Cycleanine, 9CI C-00590

Methylisochondodendrine. 7,7'-O,O-Dimethylisochondodendrine



$C_{38}H_{42}N_2O_6$ M 622.760

B,2MeBr: [75846-14-9]. *2,2'-Dimethylcycloanimium dibromide.*
$C_{40}H_{48}Br_2N_2O_6$ M 812.637
Skeletal muscle relaxant, antihypertensive agent.

▷GT8820000.

(−)-form [518-94-5]
Alkaloid from *Chondodendron tomentosum, Cissampelos insularis, C. pareira, Cleistopholis staudtii, Cyclea tonkinensis, Epinetrum cordifolium, E. mangenottii, E. villosum, Heracleum wallichi, Isolona hexaloba, Limaciopsis loangensis, Paracyclea ochiaiana, Stephania capitata, S. cepharantha, S. rotunda, S. elegans, Synclisia scabrida* and others (Menispermaceae, Annonaceae, Umbelliferae). Shows antiinflammatory and anaesthetic props. Curarising agent. Cryst. (Et_2O). Mp 280° (268-271°). $[\alpha]_D^{22}$ −15.94° (c, 0.69 in $CHCl_3$).

N^2-Oxide: [85805-55-6]. ***Cycleanine* N^2-oxide**.
$C_{35}H_{42}N_2O_7$ M 602.726
Alkaloid from the stems of *S. scabrida* (Menispermaceae). $[\alpha]_D^{25}$ −7.6° (c, 0.38 in MeOH).

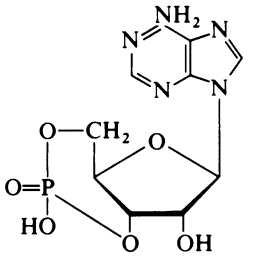
$N^{2'}$-De-Me: [83730-51-2]. ***$N^{2'}$-Desmethylcycleanine***.
$C_{37}H_{40}N_2O_6$ M 608.733
Alkaloid from the rhizomes of *Stephania glabra* (Menispermaceae). Mp 102-103°. $[\alpha]_D^{32}$ −165° (c, 0.29 in $CHCl_3$).

O^7-De-Me: [478-63-7]. ***Norcycleanine***.
$C_{37}H_{40}N_2O_6$ M 608.733
Alkaloid from *Chondodendron tomentosum, Cyclea insularis, E. cordifolium, E. mangenotii* and others (Menispermaceae). Needles (Me_2CO). Mp 245-246°. $[\alpha]_D^{24}$ −22.5° (c, 1 in EtOH).

(±)-form [10438-10-5]
Synthetic. Mp 222-225°.
Kidd, D.A.A. *et al*, *J. Chem. Soc.*, 1954, 669 (*struct*)
Kikuchi, T. *et al*, *Yakugaku Zasshi*, 1958, **78**, 1408; 1959, **79**, 262; *CA*, **53**, 7219f, 13188d (*Norcycleanine*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1965, 2239 (*ord*)
Debray, M. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 551; *CA*, **66**, 28942v (*Norcycleanine*)
Tomita, M. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 62 (*synth, pmr*)
Dwuma-Badu, D. *et al*, *Phytochemistry*, 1975, **14**, 2520 (*isol, uv, ir, pmr, ms*)
Marsaioli, A.J. *et al*, *Phytochemistry*, 1978, **17**, 1655 (*cmr*)
Scheinmann, F. *et al*, *Phytochemistry*, 1980, **19**, 1837 (*isol, ir, pmr, cmr, ms, conformn*)
Singh, R.S. *et al*, *J. Nat. Prod.*, 1981, **44**, 664 (*isol, uv, ir, pmr, ms*)
Bhakuni, D.S. *et al*, *J. Nat. Prod.*, 1982, **45**, 407 (*N-Desmethylcycleanine*)
Bhakuni, D.S. *et al*, *Tetrahedron*, 1983, **39**, 4003 (*biosynth*)
Ohiri, F.C. *et al*, *Planta Med.*, 1983, **47**, 87 (*oxide*)
Jin, G. *et al*, *Chin. Med. J.*, 1984, **97**, 877 (*rev, pharmacol, methobromide*)

Cyclic AMP C-00591

Adenosine cyclic 3',5'-(hydrogen phosphate), *9CI, 8CI. Acrasin. cAMP*
[60-92-4]



$C_{10}H_{12}N_5O_6P$ M 329.208
Found in several higher plants, bacteria and most animal cells. Excreted in human urine. Formed by action of adenate cyclase on ATP *in vivo*. Intracellular regulator of several cellular processes. Involved in hormone-mediated biological systems as a "second messenger". Cryst. + $1H_2O$. Mp 219-220°. $[\alpha]_D$ −43° (H_2O). λ_{max} 258 (ε 14 650) (pH 7) and 256 nm (14 500) (pH 2).

▷AU7357600.

Na salt: [37839-81-9]. Dihydrate. λ_{max} 256 nm (ε 14 500) (pH 2).

2-Propyl: λ_{max} 261 (ε 14 600) (pH 7), 256 (14 100) (pH 1), 261 nm (14 100) (pH 11).

2-Hexyl: λ_{max} 261 (ε 14 900) (pH 7), 256 (14 200) (pH 1), 261 nm (14 700) (pH 11) (H_2O).

N,O^2-Dibutanoyl: [362-74-3]. ***Bucladesine, INN***. *Dibutyrylcyclic AMP. Aztosin.*
$C_{18}H_{24}N_5O_8P$ M 469.390
Vasodilator. Also used as sodium salt (Bucladesine sodium, JAN).

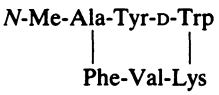
▷ES5055000.

Sutherland, E.W. *et al*, *J. Biol. Chem.*, 1958, **232**, 1077 (*isol*)
Lipkin, D. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 6075, 6198.
Posternak, T. *et al*, *Biochem. Biophys. Acta*, 1962, **65**, 558 (*Bucladesine*)
Borden, R.K., *J. Org. Chem.*, 1966, **31**, 3247 (*synth*)
Jost, J.P. *et al*, *Ann. Rev. Biochem.*, 1971, **40**, 741 (*biochem*)
Robison, G.A. *et al*, *Cyclic AMP*, Academic Press, New York, 1971.
Lapper, R.D. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 6243 (*pmr, nmr, Bucladesine*)
Kainosho, M. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 6839 (*pmr*)
Meyer, R.B. *et al*, *Biochemistry*, 1975, **14**, 3315.
Furusawa, K. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1711 (*synth*)
Kainosho, M., *Org. Magn. Reson.*, 1979, **12**, 548 (*cmr*)
Kingston, E.E. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 367 (*ms*)
Koch, H., *Pharm. Int.*, 1986, **7**, 81 (*rev, Bucladesine*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9202.

Cyclic(*N*-methyl-L-alanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-phenylalanyl), 9CI C-00592

Seglitide, INN. *L 363586*

[81377-02-8]



$C_{44}H_{56}N_8O_7$ M 808.976

Highly potent cyclic hexapeptide analogue of Somatostatin. Antiinflammatory agent.

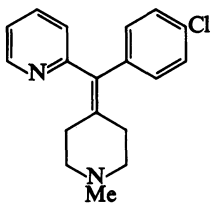
B,AcOH: [99248-33-6]. *Seglitide acetate, USAN.* Amorph. solid + $3H_2O$. $[\alpha]_D^{25}$ −65.5° (c, 1.07 in 1*M* AcOH).

U.S.P., 4 470 974, (*1984*); *CA*, **101**, 204947 (*props*)
Caldwell, L.J. *et al, Pharm. Res.*, 1985, 80 (*metab*)
U.S.P., 4 585 755, (*1986*); *CA*, **105**, 54611 (*props*)
Brady, S.F. *et al, J. Org. Chem.*, 1987, **52**, 764 (*synth, bibl*)

Cycliramine, INN C-00593

2-[(4-Chlorophenyl)(1-methyl-4-piperidinylidene)-methyl]pyridine, 9CI. 4-(p-Chloro-α-2-pyridylbenzylidene)-1-methylpiperidine, 8CI

[47128-12-1]



$C_{18}H_{19}ClN_2$ M 298.815

Antihistamine. Viscous yellow liq.

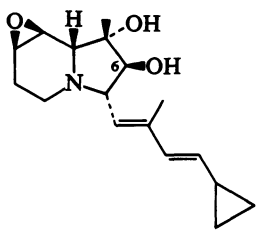
Maleate: [5781-37-3]. *Cycliramine maleate, USAN. Prolergic. NSC 70933. Sch 2544.*

U.S.P., 2 739 968, (*1956*); *CA*, **50**, 15597 (*synth, pharmacol*)

Cyclizidine C-00594

M 146791. Antibiotic M 146791

[84393-28-2]



$C_{17}H_{25}NO_3$ M 291.389

Indolizidine antibiotic. Prod. by *Streptomyces* sp. NCIB 11649. Shows immunostimulatory activity. Needles (EtOAc), cryst. (Et_2O). Mp 184° (176-178°). $[\alpha]_D^{23.5}$ −46.3° (c, 2 in MeOH).

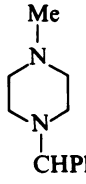
6-Ac: [84393-27-1]. Cryst. Mp 63-65°. $[\alpha]_D^{22.5}$ −83.6° (c, 2.0 in MeOH).

Freer, A.A. *et al, J. Chem. Soc., Chem. Commun.*, 1982, 1160 (*isol, struct*)
Leeper, F.J. *et al, J. Chem. Soc., Chem. Commun.*, 1987, 505 (*biosynth, pmr, cmr*)

Cyclizine, BAN, INN C-00595

1-(Diphenylmethyl)-4-methylpiperazine, 9CI, 8CI. N-*Benzhydryl*-N′-*methylpiperazine*

[82-92-8]



$C_{18}H_{22}N_2$ M 266.385

Antinauseant, antihistamine. Cryst. (pet. ether). Mp 105.5-107.5°. Light-sensitive.

▷TL6475000.

B,HCl: [303-25-3]. *Cyclizine hydrochloride, USAN. Marzine. Valoid. Other proprietary names.*

▷TL6560000.

B,2HCl: [7380-29-2]. Mp >250° dec.

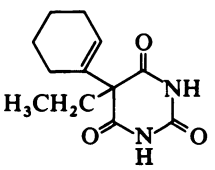
Lactate: [5897-19-8]. *Cyclizine lactate, USAN.*

Baltzly, R. *et al, J. Org. Chem.*, 1949, **14**, 775 (*synth*)
Peudse, V.K. *et al, Indian. J. Physiol. Pharmacol.*, 1969, **13**, 29 (*pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Benezra, S.A., *Anal. Profiles Drug Subst.*, 1977, **6**, 83 (*rev*)
Bertolasi, V. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 1975 (*cryst struct*)
Tsuji, Y. *et al, J. Org. Chem.*, 1985, **50**, 1365 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4849 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6121, 6122, 6123.

Cyclobarbitone, BAN C-00596

5-(1-Cyclohexen-1-yl)-5-ethyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-(1-Cyclohexen-1-yl)-5-ethylbarbituric acid, 8CI. **Cyclobarbital, INN.** *Phanodorm. Other proprietary names*

[52-31-3]



$C_{12}H_{16}N_2O_3$ M 236.270

Hypnotic, sedative. Cryst. with insipid bitter taste. Insol. H_2O. Mp 171-174°.

▷CQ2975000.

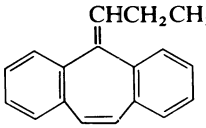
Ca salt: [5897-20-1]. *Itridal. Hexemal calcium.* Minute cryst. Insol. Et_2O, $CHCl_3$, sol. H_2O.

Eckstein, Z., *Przem. Chem.*, 1953, **9**, 390; *CA*, **49**, 11668 (*synth*)
Hansch, C. *et al, J. Med. Chem.*, 1967, **10**, 745 (*pharmacol*)
Avdovich, H.W. *et al, Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)
Bideau, J.P. *et al, C. R. Hebd. Seances Acad. Sci.*, 1970, **217**, 806 (*cryst struct*)
Fales, H.M. *et al, Arch. Mass Spectral Data*, 1971, **2**, 580 (*ms*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Gifford, L.A. *et al, Anal. Chem.*, 1974, **46**, 94 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2423 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4025, 4026.

Cyclobenzaprine, INN C-00597

3-(5H-Dibenzo[a,d]-cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine, 9CI. N,N-*Dimethyl-5H-dibenzo[a,d]cycloheptene-$\Delta^{5,8}$-propylamine, 8CI*

[303-53-7]



$C_{20}H_{21}N$ M 275.393

Muscle relaxant. Oil. Bp_1 175-180°.

▷HP0550000.

B,HCl: [6202-23-9]. *Cyclobenzaprine hydrochloride, USAN. Flexeril. Flexiban. Lisseril. Proheptatrien. G 38116. MK 130. RP 9715.* Mp 216-218°.

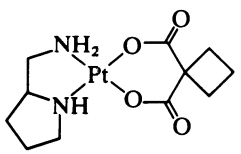
▷HP0875000.

Villani, F.J. *et al, J. Med. Chem.*, 1962, **5**, 373 (*synth, pharmacol*)
Winthrop, S.O. *et al, J. Org. Chem.*, 1962, **27**, 230 (*synth*)
Bickel, M.H. *et al, Int. J. Neuropharmacol.*, 1964, **3**, 611 (*pharmacol*)
Seidlova, V. *et al, Collect. Czech. Chem. Commun.*, 1967, **32**, 2826 (*synth*)
Moore, A., *Drugs of Today*, 1978, **14**, 467 (*rev*)
Miodownik, A. *et al, Synth. Commun.*, 1981, **11**, 241 (*synth*)
Till, A.E. *et al, Biopharm. Drug Dispos.*, 1982, **3**, 19 (*metab*)
Cotton, M.L. *et al, Anal. Profiles Drug Subst.*, 1988, **17**, 41 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5708.

[1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum, 9CI C-00598

DNA 2114

[103746-25-4]



$C_{11}H_{18}N_2O_4Pt$ M 437.354

Antineoplastic agent. Cryst. (H_2O). Mp 215-220° dec.

(***R*)-form** [103775-75-3]

Mp 248-257° dec. $[\alpha]_D^{20}$ −40.10° (H_2O).

(***S*)-form** [103775-74-2]

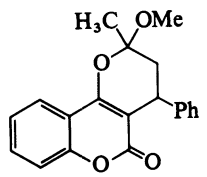
Mp 240-255° dec. $[\alpha]_D^{20}$ +39.17° (H_2O).

Eur. Pat., 176 005, (*1986*); *CA*, **105**, 97698f (*synth, isom, pharmacol*)

Cyclocoumarol, BAN C-00599

3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2H,5H-pyrano[3,2-c][1]benzopyran-5-one, 9CI. Cumopyran. Cyclocumarol. Anticoagulans 63. BL5. Link's Compound No. 63. Methanopyranorin. Cumopyrin. Methopyranorin

[518-20-7]



$C_{20}H_{18}O_4$ M 322.360

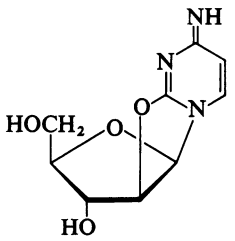
Anticoagulant. Cryst. (EtOH). Mp 166°. Opt. active forms are also known.

Ikawa, M. *et al, J. Am. Chem. Soc.*, 1944, **66**, 902 (*synth*)
Giannini, D.D. *et al, Proc. Natl. Acad Sci., USA*, 1974, **71**, 4221 (*cmr*)
Valente, E.J. *et al, J. Med. Chem.*, 1977, **21**, 141 (*cd*)
Bush, E. *et al, J. Pharm. Sci.*, 1983, **72**, 830 (*synth*)
Heimark, L.D. *et al, J. Med. Chem.*, 1985, **28**, 503 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4809.

Cyclocytidine C-00600

2,3,3a,9a-Tetrahydro-3-hydroxy-6-imino-6H-furo[2',3':4,5]oxazolo[3,2-a]pyrimidine-2-methanol, 9CI. 2,2'-Anhydro-1-(β-D-arabinofuranosyl)cytosine, 8CI. ***Ancitabine, INN***

[31698-14-3]



$C_9H_{11}N_3O_4$ M 225.204

Antineoplastic agent.

▷Exp. teratogen. LV2610000.

B,HCl: [10212-25-6]. *Ancitabine hydrochloride, JAN. KJ 101. NSC 145668.* Needles (MeOH/Me_2CO). Mp 266-267° dec. $[\alpha]_D^{23}$ −22.6° (c, 0.2 in H_2O).

▷LV2615000.

B,HBr: Needles (MeOH). Mp 263-265° dec.

B,AcOH: Cream needles (MeOH/Et_2O). Mp 190-192° dec.

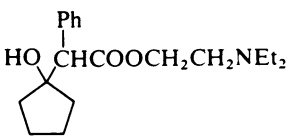
Picrate: Yellow needles (EtOH). Mp 218-221°.

Walwick, E.R. *et al, Proc. Chem. Soc. (London)*, 1959, 84 (*synth*)
Doerr, I.L. *et al, J. Org. Chem.*, 1967, **32**, 1462.
Brennan, T. *et al, Biochem. Biophys. Res. Commun.*, 1973, **52**, 1348 (*cryst struct*)
Russell, A.F. *et al, J. Org. Chem.*, 1974, **39**, 2182 (*synth, pmr, uv*)
Ho, D.H.W. *et al, Clin. Pharmacol. Ther.*, 1975, **17**, 66 (*pharmacol*)
Tsueno, W. *et al, Bull. Chem. Soc. Jpn.*, 1975, **48**, 505 (*synth*)
Hamamura, E.K. *et al, J. Med. Chem.*, 1976, **19**, 654 (*synth*)
Neumann, M., *Drugs of Today*, 1976, **12**, 303 (*rev*)
Finklestein, J.Z. *et al, Cancer Treat. Rep.*, 1979, **63**, 1331 (*props*)
Hoshi, A. *et al, Gann Monogr. Cancer Res.*, 1979, **24**, 143 (*rev*)
Venkatasubramanian, K., *Indian J. Phys. Part A*, 1982, **56**, 213 (*cryst struct*)
Davies, D.B. *et al, Magn. Reson. Chem.*, 1985, **23**, 72 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1824.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 529.

Cyclodrine C-00601

α-(1-Hydroxycyclopentyl)benzeneacetic acid 2-(diethylamino)ethyl ester. 1-Hydroxy-α-phenylcyclopentaneacetic acid 2-(diethylamino)ethyl ester

[52109-93-0]



$C_{19}H_{29}NO_3$ M 319.443

(±)-form

Anticholinergic, antispasmodic, mydriatic agent.

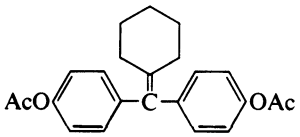
B,HCl: [78853-39-1]. *Cyclodrine hydrochloride. Cyclopent. GT 92.* Cryst. (2-propanol/Et_2O). Mp 135-136°.

Weston, A.W. *et al, J. Am. Chem. Soc.*, 1951, **73**, 4221 (*synth*)
Ehrenberg, M.H. *et al, J. Pharmacol. Exp. Ther.*, 1952, **106**, 141 (*pharmacol*)
Treves, G.R. *et al, J. Am. Chem. Soc.*, 1952, **74**, 46, 1730 (*synth*)
Lands, A.M. *et al, J. Pharmacol. Exp. Ther.*, 1956, **117**, 331 (*pharmacol*)

Cyclofenil, BAN, INN, JAN C-00602

4-[[4-(Acetyloxy)phenyl]cyclohexylidenemethyl]phenol acetate, 9CI. α-Cyclohexylidene-α-(p-hydroxyphenyl)-p-cresol acetate, 8CI. Ondonid. Numerous proprietary names

[2624-43-3]



$C_{23}H_{24}O_4$ M 364.440

Ovulation inducer used to treat infertility. Mp 135-136°.

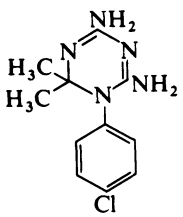
▷GO7550000.

Mignel, R. *et al, J. Med. Chem.*, 1963, **6**, 774 (*synth*)
Watnick, A.S. *et al, Acta Endocrinol. (Copenhagen)*, 1968, **59**, 611 (*pharmacol*)
Precigoux, G. *et al, Cryst. Struct. Commun.*, 1972, **1**, 341 (*cryst struct*)
Miquel, J.F. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1978, **286**, 151 (*synth*)
Placidi, G.F. *et al, Arzneim.-Forsch.*, 1978, **28**, 2134 (*metab*)
Borgstroem, L., *Eur. J. Clin. Pharmacol.*, 1981, **19**, 213 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6823 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9033.

Cycloguanil C-00603

1-(4-Chlorophenyl)-1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamine, 9CI. 4,6-Diamino-1-(p-chlorophenyl)-1,2-dihydro-2,2-dimethyl-s-triazine, 8CI. TCl

[516-21-2]



$C_{11}H_{14}ClN_5$ M 251.718

Antimalarial agent. Prisms ($CHCl_3$/Et_2O). Mp 146°.

▷XY7355000.

B,HCl: [152-53-4]. Prisms (H_2O). Mp 210-215°.

▷GU2625000.

Salt with 3,3'-dihydroxy-4,4'-methylenedi-2-naphthoic acid: [609-78-9]. ***Cycloguanil embonate, BAN, INN.*** *Cycloguanil pamoate, USAN. Chloroguanide Triazine Pamoate. Camolar. Chlorazin (Soviet). Cycloplasin. CI 501. CN 14329-23A. D 20. NSC 77830. PAM-MR 807-23a.* Yellow cryst. V. sl. sol. H_2O. Mp 231-234°.

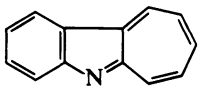
▷QL2275000.

Carrington, H.C. *et al, J. Chem. Soc.*, 1954, 1017 (*synth*)
Loo, T.L., *J. Am. Chem. Soc.*, 1954, **76**, 5096 (*synth, bibl*)
Modest, E.J., *J. Org. Chem.*, 1956, **21**, 1 (*synth*)
Powell, R.D. *et al, Am. J. Trop. Med. Hyg.*, 1965, **14**, 913; 1966, **15**, 281 (*pharmacol, metab*)
Ruiz, R. *et al, Toxicol. Appl. Pharmacol.*, 1971, **18**, 487 (*pharmacol*)
Walsh, R.J.A. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 495 (*synth, props*)
Schwalbe, C.H. *et al, J. Chem. Soc., Chem. Commun.*, 1978, 188 (*cryst struct*)
Hansch, C. *et al, J. Med. Chem.*, 1984, **27**, 129 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1377.

Cyclohept[*b*]indole, 9CI C-00604

1-Azabenz[b]azulene

[246-06-0]



$C_{13}H_9N$ M 179.221

Has antidepressant props. Purple-red needles (cyclohexane). Mp 143° (134.5-136°). Bluish-red solns. in org. solvs., orange-yellow solns. in acid.

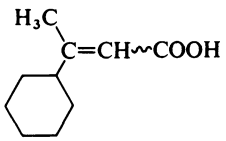
B,MeI: Red needles. Mp 232° dec.

Treibs, W. *et al, Justus Liebigs Ann. Chem.*, 1953, **581**, 54 (*synth, uv, vis*)
Boyer, J.H. *et al, J. Am. Chem. Soc.*, 1969, **91**, 5929 (*synth*)
Nozoe, T. *et al, Bull. Chem. Soc. Jpn.*, 1975, **48**, 314 (*synth, uv, ms*)

3-Cyclohexyl-2-butenoic acid, 9CI C-00605

β-Methylcyclohexaneacrylic acid, 8CI. β-Cyclohexylcrotonic acid. β-Cyclohexyl-β-methacrylic acid. ***Cicrotoic acid, INN.*** *Accroibile. AD 106*

[25229-42-9]



$C_{10}H_{16}O_2$ M 168.235

Choleretic agent. Prisms (MeOH aq.). Mp 85-86°. Mixt. of (*E*)- and (*Z*)-isomers.

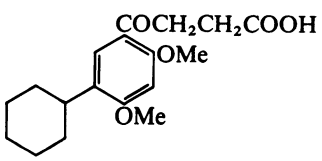
▷GU6940000.

Young, S.T. *et al, J. Org. Chem.*, 1963, **28**, 928 (*synth*)
Fr. Pat., M4665, (*1967*); *CA*, **72**, 42949h (*synth, pharmacol*)

4-(5-Cyclohexyl-2,4-dimethoxyphenyl)-4-oxobutanoic acid C-00606

5-Cyclohexyl-2,4-dimethoxy-γ-oxobenzenebutanoic acid, 9CI. Dimecipronic acid. SC 2644

[36879-87-5]



$C_{18}H_{24}O_5$ M 320.385

Used to treat liver disorders. Mp 168°.

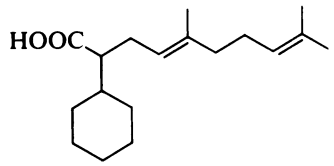
Cook, D.L. *et al, J. Pharmacol. Exp. Ther.*, 1950, **100**, 421; 1954, **110**, 293 (*pharmacol*)
B.P., 678 183, (*1952*); *CA*, **47**, 6440c (*synth*)

Rohrbach, P. *et al*, *Arch. Int. Pharmacodyn.*, 1958, **116**, 136 (*pharmacol*)

2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid C-00607

Cyclohexylgeranylacetic acid. Cigerol. Cygerol

[23142-02-1]



$C_{18}H_{30}O_2$ M 278.434

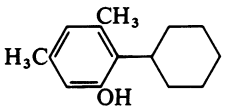
Topical dermatologic agent (used to stimulate wound healing). Sunscreen agent. Bp_{14} 218-219°.

Leder-Pakkendorf, L., *CA*, 1943, **37**, 871 (*synth, props*)
B.P., 1 173 419, (*1969*); *CA*, **72**, 54770 (*synth, props*)

2-Cyclohexyl-3,5-dimethylphenol C-00608

1′,2′,3′,4′,5′,6′-Hexahydro-4,6-dimethyl-2-biphenylol. 2-Cyclohexyl-3,5-xylenol. ***Cyclomenol, INN.*** *Hexinol*

[5591-47-9]



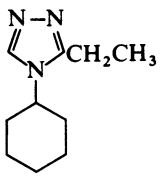
$C_{14}H_{20}O$ M 204.311

Antiseptic. Mp 82.5-83°.

Fr. Pat., 1 315 008, (*1963*); *CA*, **59**, 2717f (*synth, pharmacol*)

4-Cyclohexyl-3-ethyl-4*H*-1,2,4-triazole, 9CI C-00609

Hexazole, BAN. *Azoman. Azozol. Triazol 156*



$C_{10}H_{17}N_3$ M 179.264

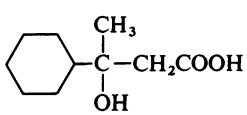
CNS stimulant. Stout prisms (Et_2O). Mp 89-90°. Bp_{10} 227°.

Behrens, B. *et al*, *CA*, 1937, **31**, 8015.
Hahn, F. *et al*, *CA*, 1957, **51**, 12338 (*use*)

3-Cyclohexyl-3-hydroxybutanoic acid C-00610

β-Hydroxy-β-methylcyclohexanepropanoic acid, 9CI. β-Hydroxycyclohexanehydracrylic acid, 8CI. ***Cyclobutoic acid, INN.*** *Adrilyl*

[17692-20-5]



$C_{10}H_{18}O_3$ M 186.250

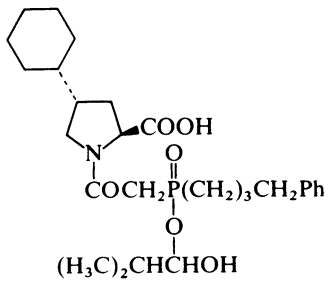
(±)-form

Drug used for treatment of hepatic deficiency. Mp 56-57°.

Fr. Pat., M4665, (*1967*); *CA*, **72**, 42949h (*synth, pharmacol*)
Kudo, Y. *et al*, *Tetrahedron Lett.*, 1972, 2125 (*synth*)
Mioskowski, C. *et al*, *Tetrahedron*, 1980, **36**, 227 (*synth*)
Carganico, G. *et al*, *J. Med. Chem.*, 1983, **26**, 1767 (*synth, props*)

4-Cyclohexyl-1-[[[1-hydroxy-2-methylpropoxy](4-phenylbutyl)phosphinyl]acetyl]-L-proline C-00611

SQ 27519



$C_{27}H_{42}NO_6P$ M 507.606

Angiotensin-converting enzyme inhibitor.

Propionate ester: [98048-97-6]. ***Fosinopril, INN.*** $C_{30}H_{46}NO_7P$ M 563.670

Antihypertensive agent; angiotensin-converting enzyme inhibitor. Hydrolyses *in vivo* to diacid.

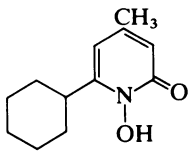
Propionate ester, Na salt: [88889-14-9]. *Fosinopril sodium, USAN. Fosfenopril sodium. SQ 28555.*

Jemal, M. *et al*, *J. Chromatogr.*, 1985, **345**, 299 (*detn*)
Singhvi, S.M. *et al*, *Br. J. Clin. Pharmacol.*, 1988, **25**, 9 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 965.

6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone, 9CI C-00612

Ciclopirox, BPC, INN. *Cyclopyrox*

[29342-05-0]



$C_{12}H_{17}NO_2$ M 207.272

Fungicide. Mp 144°.

2-Aminoethanol salt (1:1): [41621-49-2]. *Ciclopirox olamine, USAN, JAN. Batrafen. Brumixol. Fungiderm. Loprox. Miclast. Micomicen. Terit. Hoe 296.*

Antifungal.

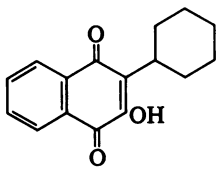
▷UU7785500.

Ger. Pat., 2 214 608, (*1973*); *CA*, **79**, 146419w (*synth*)
Dittmar, W. *et al*, *J. Med. Chem.*, 1974, **17**, 753 (*pharmacol*)
Lohaus, G. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1311 (*pharmacol, tox, numerous papers*)
Doglia Azambuja, R., *Drugs of Today*, 1981, **17**, 357 (*rev*)
Kranz, O., *Drugs Made Ger.*, 1981, **24**, 123 (*rev*)
Koch, H., *Pharm. Int.*, 1982, **3**, 46 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2571.

2-Cyclohexyl-3-hydroxy-1,4-naphthoquinone, 8CI C-00613

2-Cyclohexyl-3-hydroxy-1,4-naphthalenedione, 9CI. ***Parvaquone, BAN, INN.*** *Clexon*

[4042-30-2]



$C_{16}H_{16}O_3$ M 256.301

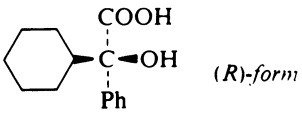
Veterinary theilericide, antimalarial agent. Bright yellow cryst. Mp 136.5-137.5°.

Fieser, L.F., *J. Am. Chem. Soc.*, 1948, **70**, 3165 (*synth, pharmacol*)
Fieser, L.F. *et al*, *J. Biol. Chem*, 1948, **176**, 1363 (*pharmacol*)
Huyser, E.S. *et al*, *J. Org. Chem.*, 1968, **33**, 576 (*synth*)
Fieldgate, D.M. *et al*, *Pestic. Sci.*, 1973, **4**, 193 (*props*)
Boehm, P. *et al*, *J. Med. Chem.*, 1981, **24**, 295 (*synth, pharmacol*)
Hudson, A.T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 1933 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18671.

2-Cyclohexyl-2-hydroxy-2-phenylacetic acid C-00614

α-Cyclohexyl-α-hydroxybenzeneacetic acid, 9CI. α-Phenylcyclohexaneglycolic acid, 8CI. Cyclohexylphenylglycolic acid

[4335-77-7]



(R)-form

$C_{14}H_{18}O_3$ M 234.294

(R)-form [20585-39-1]
Mp 140-142°. $[\alpha]_D$ −23.3° (MeOH).

Me ester:
$C_{15}H_{20}O_3$ M 248.321
Mp 51-52°. $[\alpha]_D$ −3.0° (MeOH).

(S)-form [20585-34-6]
Mp 139-142°. $[\alpha]_D$ +24.6° (MeOH).

Me ester: Mp 50-51°. $[\alpha]_D$ +1.0° (MeOH).

(±)-form [50896-04-3]
Mp 164-166°.

Me ester: Mp 71-72°.

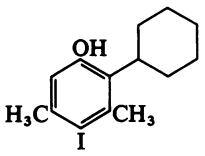
2-Methylpropyl ester: [31221-85-9]. ***Ibuverine, INN.*** *BS 6321.*
$C_{18}H_{26}O_3$ M 290.402
Spasmolytic agent.

Inch, T.D. *et al*, *J. Chem. Soc.* (*C*), 1968, 1693 (*synth, abs config*)
Hoffman, K. *et al*, *Helv. Chim. Acta*, 1947, **30**, 292 (*synth*)
Barlow, R.B. *et al*, *J. Med. Chem.*, 1973, **16**, 439 (*abs config, bibl*)
Atkinson, E.R. *et al*, *J. Med. Chem.*, 1977, **20**, 1612 (*resoln*)
Schjelderup, L. *et al*, *Acta Chem. Scand., Ser. B*, 1986, **40**, 601 (*resoln*)

2-Cyclohexyl-4-iodo-3,5-dimethylphenol, 9CI C-00615

2-Cyclohexyl-4-iodo-3,5-xylenol, 8CI. ***Cicliomenol, INN***

[10572-34-6]



$C_{14}H_{19}IO$ M 330.208

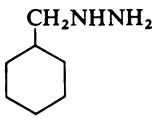
Antibacterial agent. Mp 86°.

Fr. Pat., CA M157, (*1967*); *CA*, **70**, 90752u (*synth, pharmacol, tox*)
Traverso, H. *et al*, *Agressologie*, 1967, **8**, 61 (*metab*)

(Cyclohexylmethyl)hydrazine, 8CI C-00616

(Hydrazinomethyl)cyclohexane. ***Cimemoxin, INN.*** *Cymemoxine. SD 286-03*

[3788-16-7]



$C_7H_{16}N_2$ M 128.217

Antidepressant (monamine oxidase inhibitor).

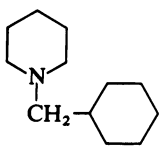
B,HCl: Mp 147°.

Fr. Pat., 1 405 420, (*1965*); *CA*, **63**, 16230 (*synth*)
Boissier, J.R. *et al*, *Chim. Ther.*, 1966, 320 (*synth, pharmacol*)
Boissier, J.R. *et al*, *Therapie*, 1967, **22**, 367 (*pharmacol*)

1-(Cyclohexylmethyl)piperidine, 9CI, 8CI C-00617

Leptacline, INN. *SD 210-32*

[5005-72-1]



$C_{12}H_{23}N$ M 181.320

Respiratory analeptic. Bp_{15} 105°.

▷GV6678000.

B,HCl: [5005-71-0]. Mp 205-207°.

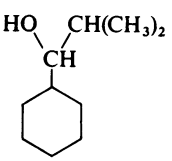
▷TM6607000.

Boissier, J.R. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 785 (*synth, pharmacol*)
Boissier, J.R. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **167**, 273 (*metab*)

1-Cyclohexyl-2-methyl-1-propanol C-00618

α-Isopropylcyclohexanemethanol, 8CI. ***Cimepanol, INN.*** *Bilidia*

[29474-12-2]



$C_{10}H_{20}O$ M 156.267

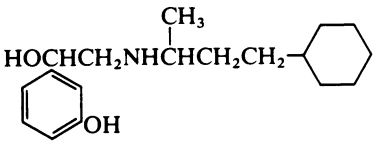
(R)-form

Sedative, analgesic, choleretic agent. Bp_{16} 98-101°. $[\alpha]_D^{24}$ −8.41° (neat).

Cram, D.J. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 2737 (*synth*)
Burrows, E.P. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 880 (*synth*)
Ota, M., *Yuki Gosei Kagaku Kyokai Shi*, 1970, **28**, 762; *CA*, **73**, 98458 (*synth*)
Baldwin, J.E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 22 (*synth*)

α-[[(3-Cyclohexyl-1-methylpropyl)amino]-methyl]-3-hydroxybenzyl alcohol C-00619

[41144-17-6]



$C_{18}H_{29}NO_2$ M 291.433

Sympathomimetic and bronchospasmolytic agent.

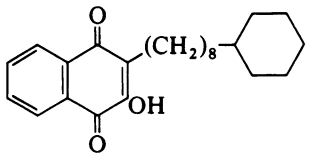
4-Aminobenzoate (salt): [34300-25-9]. *D 935.* Mp 124-125° (153°). Two cryst. forms known.

Ger. Pat., 2 010 883, (*1971*); *CA*, **75**, 151524 (*synth, pharmacol*)
Brunner, R., *Arzneim.-Forsch.*, 1972, **22**, 1223 (*pharmacol*)

2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthoquinone, 8CI C-00620

*2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthalenedione, 9CI. **Menoctone, USAN, INN**. NSC 103336. Win 11530*

[14561-42-3]



$C_{24}H_{32}O_3$ M 368.515

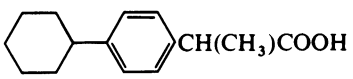
Antimalarial drug. Mp 78-79°.

Fieser, L.F. *et al*, *J. Med. Chem.*, 1967, **10**, 513 (*synth, pharmacol*)
Martin, Y.C. *et al*, *J. Med. Chem.*, 1973, **16**, 1089 (*props, pharmacol*)
Hudson, A.T., *Handb. Exp. Pharmacol.*, 1984, **68**, 343 (*rev*)

2-(4-Cyclohexylphenyl)propanoic acid C-00621

*4-Cyclohexyl-α-methylbenzeneacetic acid, 9CI. **Hexaprofen, BAN, INN**. BTS 13622. UR 336*

[24645-20-3]



$C_{15}H_{20}O_2$ M 232.322

▷UF0654000.

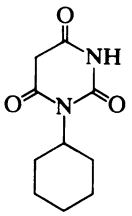
(±)-form

Antiinflammatory, analgesic, antipyretic. Mp 109.8-111.3°.

Carenini, G. *et al*, *Farmaco, Ed. Sci.*, 1973, **28**, 265 (*synth, pharmacol*)
Kogure, K. *et al*, *Agric. Biol. Chem*, 1976, **40**, 435 (*synth*)
Kuchar, M. *et al*, *Collect. Czech. Chem. Commun.*, 1981, **46**, 1173 (*synth, props*)

1-Cyclohexyl-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI C-00622

[1015-65-2]



$C_{10}H_{14}N_2O_3$ M 210.232

Cryst. (MeOH). Mp 192° (181°).

5-Butyl: [841-73-6]. **Bucolome, INN, JAN**. *5-Butyl-1-cyclohexylbarbituric acid, 8CI. BCP. Paramidin.*
$C_{14}H_{22}N_2O_3$ M 266.339
Analgesic, antiinflammatory agent. Needles (MeOH). Mp 84°. $Bp_{0.8}$ 185-187°. Unstable in strong alkali.

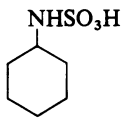
▷CQ1497900.

Japan. Pat., 61 17 397, (*1961*); *CA*, **64**, 2101h (*Bucolome*)
Shoeb, A. *et al*, *Indian J. Chem.*, 1967, **5**, 145 (*synth*)
Japan. Pat., 68 08 469, (*1968*); *CA*, **70**, 4129s (*synth*)
Yashiki, T. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 478, 869 (*Bucolome, uv, metab*)

Cyclohexylsulfamic acid, 9CI C-00623

*Cyclohexanesulfamic acid. **Cyclamic acid, USAN**. Cyclamate. Hexamic acid*

[100-88-9]



$C_6H_{13}NO_3S$ M 179.234

Artificial sweetening agent, usually employed as Na or Ca salt (cyclamate). Use suspended in some countries because of possible weak carcinogenic activity (disputed). Cryst. Mp 169-170°. pK_a 1.71 (25°).

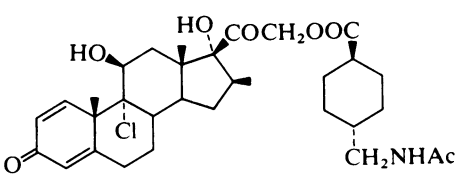
▷GV6950000.

U.S.P., 2 275 125, (*1942*); *CA*, **36**, 4292 (*synth*)
Audrieth, L.F. *et al*, *J. Org. Chem.*, 1944, **9**, 89 (*synth*)
Wicker, R.J., *Chem. Ind. (London)*, 1966, 1708 (*rev*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 528.

Cyclomethasone C-00624

21-[[[4-(Acetylamino)methyl]cyclohexyl]carbonyl]-oxy]-9-chloro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, 9CI. Ciclometasone. Cycloderm. Sterorer. Telocort. RIB 222

[67372-50-3]



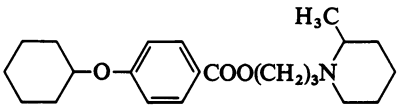
$C_{32}H_{44}ClNO_7$ M 590.155

Glucocorticoid. Antiinflammatory, antiallergic agent. Cryst. (EtOH). Mp 222°.

U.S.P., 4 081 541, (*1978*); *CA*, **89**, 110127 (*synth*)

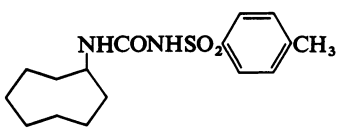
Ronca-Testoni, S. *et al*, *Drug Exp. Clin. Res.*, 1983, **9**, 73 (*metab*)
Ronca-Testoni, S., *Int. J. Clin. Pharmacol. Res.*, 1983, **3**, 17.

Cyclomethycaine, BAN, INN C-00625
4-(Cyclohexyloxy)benzoic acid 3-(2-methyl-1-piperidinyl)propyl ester, 9CI. 3-(2-Methylpiperidino)-propyl p*-cyclohexyloxybenzoate. Cainasurfa. Cyclocaine. Surfacaine. Surfathesin. Topocaine*
[139-62-8]



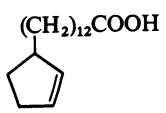
$C_{22}H_{33}NO_3$ M 359.508
Topical anaesthetic.
▷DG5679000.
B,HCl: [537-61-1]. Mp 178-180° dec.
▷DG5775000.
2B,H_2SO_4: [6202-05-7]. *Cyclomethycaine sulfate, USAN.*
McElvain, S.M. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 2592 (*synth, pharmacol*)
Schmidt, J.L. *et al*, *Toxicol. Appl. Pharmacol.*, 1959, **1**, 454 (*pharmacol, tox*)
O'Brien, K.P. *et al*, *Bull. Narc.*, 1970, **22**, 35 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7621.

***N*-Cyclooctyl-*N'*-(4-methylbenzenesulfonyl)urea** C-00626
N-[(*Cyclooctylamino)carbonyl*]-*4-methylbenzenesulfonamide, 9CI.* ***Glyoctamide, USAN, INN***
[1038-59-1]



$C_{16}H_{24}N_2O_3S$ M 324.437
Antidiabetic drug. Mp 130-132°.
Ger. Pat., 1 182 656, (*1964*); *CA*, **62**, 7690c (*synth, pharmacol*)

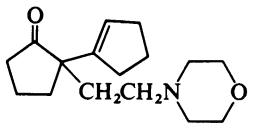
2-Cyclopentene-1-tridecanoic acid, 9CI C-00627
Chaulmoogric acid. Chaulmoogrina
[502-30-7]



(*S*)-*form*

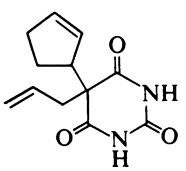
$C_{18}H_{32}O_2$ M 280.450
(*S*)-***form*** [29106-32-9]
Constit. of oils of *Hydnocarpus* and *Oncola* spp. Used in treatment of leprosy. Shiny leaflets (EtOH or pet. ether). Mp 67-68°. $[\alpha]_D^{26}$ +61.7° (c, 4.82 in $CHCl_3$).
Me ester: [24828-59-9].
$C_{19}H_{34}O_2$ M 294.476
Mp 22°. Bp_{20} 227°. $[\alpha]_D$ +50° ($CHCl_3$).
Et ester: [623-32-5]. *Antileprol. Chaulmestrol. Chaulmoogrol. Hyrganol. Moogrol.*
$C_{20}H_{36}O_2$ M 308.503
Leprostatic agent. Bp_{20} 230°. $[\alpha]_D$ +50.7°.
Amide:
$C_{18}H_{33}NO$ M 279.465
Mp 106°. $[\alpha]_D$ +57.3° ($CHCl_3$).
Chloride:
$C_{18}H_{31}ClO$ M 298.895
Mp 20-25°.
Nitrile:
$C_{18}H_{31}N$ M 261.450
$Bp_{3.5}$ 158-160°. $[\alpha]_D$ +55.2° (c, 0.3 in $CHCl_3$).
(±)-***form***
Cryst. (EtOAc). Mp 68.5°.
Amide: Cryst. (EtOH). Mp 106°.
Nitrile: $Bp_{2.5}$ 155-158°.
Mislow, K. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 3807 (*synth, abs config, bibl*)
Christie, W.W. *et al*, *Lipids*, 1969, **4**, 229 (*ms*)
Mani, V.V.S. *et al*, *J. Chromatogr.*, 1969, **39**, 182 (*isol, chromatog*)
Levy, L., *Am. Rev. Respir. Dis.*, 1975, **111**, 703 (*props*)
Kaneda, T., *Biochem. Biophys. Res. Commun.*, 1981, **99**, 1226 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6557.

2-(1-Cyclopentenyl)-2-(2-morpholinoethyl)-cyclopentanone C-00628
Cyclexanone, INN. *Pentethylcyclanone*



$C_{16}H_{25}NO_2$ M 263.379
(±)-***form***
Antitussive agent. $Bp_{0.035}$ 112°.
B,HCl: Exopan. Exopon. Melipan. Ciba 10611. Mp 209°.
B,MeI: Mp 106°.
Ger. Pat., 1 059 901, (*1959*); *CA*, **56**, 355g (*synth, pharmacol*)
B.P., 878 677, (*1961*); *CA*, **56**, 14116g (*synth, pharmacol*)

5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI C-00629
5-Allyl-5-(2-cyclopentenyl)barbituric acid, 8CI. Cyclopentobarbital. Ciclopal. Cyclopal. Cyclopea. Cyclopental. Dormisan. Hypalène
[76-68-6]

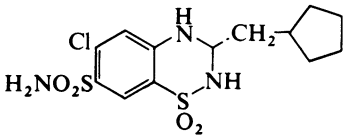


$C_{12}H_{14}N_2O_3$ M 234.254
Hypnotic, sedative. Cryst. with bitter taste. Sl. sol. H_2O, sol. org. solvs. Mp 139-140°.
▷CP8400500.
Centolella, A.P. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 2091 (*synth*)
Feltkamp, H., *Arzneim.-Forsch.*, 1965, **15**, 238 (*metab*)
Gruetzmacher, H.F. *et al*, *Tetrahedron Lett.*, 1966, 1365 (*ms*)
Hansch, C. *et al*, *J. Med. Chem.*, 1967, **10**, 745 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4027.

Cyclopenthiazide, USAN, BAN, INN C-00630

6-Chloro-3-(cyclopentylmethyl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Benesal. Cyclomethiazide. Navidrex. Navidrix. Salimid. Salurilo C. Ultra-Minzil. Ciba 8341-Su. NSC 107679. Su 8341

[742-20-1]



$C_{13}H_{18}ClN_3O_4S_2$ M 379.876

▷DK8750000.

(±)-form

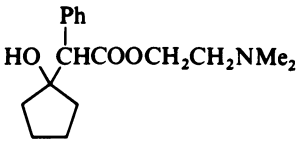
Oral diuretic, antihypertensive. Cryst. (EtOH aq.). Mp 230°. Component of Trasidrex.

Barrett, W.E. *et al*, *Arch. Int. Pharmacodyn.*, 1961, **131**, 325 (*pharmacol*)
Whitehead, C.W. *et al*, *J. Org. Chem.*, 1961, **26**, 2814 (*synth*)
Weetman, D.F., *Med. Actual*, 1979, **15**, 236 (*Trasidrex*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2323.

Cyclopentolate, BAN, INN C-00631

α-(1-Hydroxycyclopentyl)benzeneacetic acid 2-(dimethylamino)ethyl ester, 9CI. 1-Hydroxy-α-phenylcyclopentaneacetic acid 2-(dimethylamino)ethyl ester, 8CI

[512-15-2]



$C_{17}H_{25}NO_3$ M 291.389

Anticholinergic for ophthalmic use.

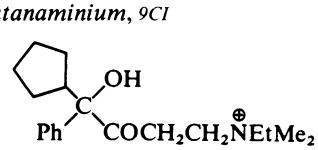
B,HCl: [5870-29-1]. *Cyclogyl. Mydrilate. Cyclopentolate hydrochloride, USAN.* Cryst. (EtOAc). Insol. Et_2O, sol. H_2O, EtOH. Mp 137-141°.

▷GY2450000.

U.S.P., 2 922 795, (*1960*); *CA*, **54**, 19454b (*synth*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Moylan-Jones, R.J. *et al*, *Br. J. Pharmacol.*, 1973, **48**, 309 (*pharmacol*)
Smith, S.A., *Br. J. Clin. Pharmacol.*, 1976, **3**, 503 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4548 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 355.

(4-Cyclopentyl-4-hydroxy-3-oxo-4-phenylbutyl)ethyldimethylammonium(1+) C-00632

δ-Cyclopentyl-N-ethyl-δ-hydroxy-N,N-dimethyl-γ-oxobenzenebutanaminium, 9CI



$C_{19}H_{30}NO_2^{\oplus}$ M 304.452 (ion)

(±)-form

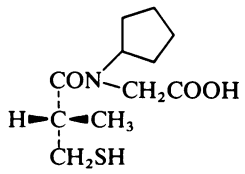
Anticholinergic, spasmolytic agent.

Chloride: [77214-85-8]. *Chlorosyl. Chlorozil. Khlorozil.* $C_{19}H_{30}ClNO_2$ M 339.905

Boikova, V.V. *et al*, *Farmakol. Toksikol. (Moscow)*, 1981, **44**, 93 (*pharmacol*)

***N*-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)glycine** C-00633

[78773-73-6]



(S)-form

$C_{11}H_{19}NO_3S$ M 245.336

(S)-form [93133-32-5]

Mp 186-188°. $[\alpha]_D$ −12.5° (c, 1 in $CHCl_3$).

S-*(2,2-Dimethylpropanoyl):* [81045-50-3]. ***Pivopril, USAN, INN.*** *Pivalopril. REV 3659. RHC 3659-S. USV 3659-S.*

$C_{16}H_{27}NO_4S$ M 329.454

Antihypertensive agent (ACE inhibitor). Mp 155-156°. $[\alpha]_D$ −104.64° (c, 1 in $CHCl_3$).

(±)-form [86324-07-4]

Mp 173-176° (143-144°).

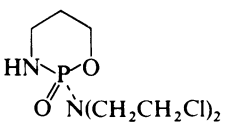
S-*(2,2-Dimethylpropanoyl):* Mp 140-142°.

Burnier, M. *et al*, *Br. J. Clin. Pharmacol.*, 1981, **12**, 893 (*pharmacol*)
Suh, J.T. *et al*, *J. Med. Chem.*, 1985, **28**, 57 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 190.

Cyclophosphamide, BAN, INN C-00634

N,N-*Bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine 2-oxide, 9CI. 2-[Di(2-chloroethyl)amino]-1-oxa-3-aza-2-phosphacyclohexane 2-oxide. Cyclophosphan. NSC 26271. Numerous proprietary names*

[50-18-0]



(R)-form

$C_7H_{15}Cl_2N_2O_2P$ M 261.087

▷Highly toxic. Exp. carcinogen and teratogen. RP5950000.

(R)-form [60030-72-0]

Selectively metab. in humans. Shows different biological props. from the (*S*)-form but the differences may vary with species. Cryst. (pet. ether/MeOH or EtOAc/diisopropyl ether). Mp 65-66.5°. $[\alpha]_D^{25}$ +2.48° (c, 10 in MeOH).

Monohydrate: Mp 68°.

(S)-form [60007-96-7]

Cryst. (EtOAc/diisopropyl ether). Mp 67-68°. $[\alpha]_D^{25}$ −2.46° (c, 10 in MeOH).

Monohydrate: Mp 68°.

(±)-form [60007-95-6]

Antitumour agent, immunosuppressant, sheep defleecing agent. Prisms (dry Et_2O). Sol. H_2O. Mp 51.5-52.5°.

Monohydrate: Mp 41-45°.

Garcia-Blanco, S. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2647 (*cryst struct*)
Clardy, J.C. *et al*, *Phosphorus*, 1974, **4**, 151 (*cryst struct*)
Schulten, H.R. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 223 (*ms*)
Struck, R.F. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 313 (*props, cmr*)

Voelker, G. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1172 (*tlc*)
Hill, D.L., *A Review of Cyclophosphamide*, 1975, Thomas, Springfield, Ill. (*rev*)
Przybylski, M. *et al*, *Cancer Treat. Rep.*, 1976, **60**, 509 (*ms*)
Adamiak, D.A. *et al*, *Z. Naturforsch., C*, 1977, **32**, 672 (*cryst struct*)
Cox, P.J. *et al*, *Biomed. Mass Spectrom.*, 1977, **4**, 371 (*ms*)
Karle, I.L. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 4803 (*abs config*)
Kawashima, T. *et al*, *J. Org. Chem.*, 1978, **43**, 1111 (*resoln, ir, pmr, P nmr*)
Bates, D.J. *et al*, *Biochem. Pharmacol.*, 1981, **30**, 3055 (*metab*)
Colvin, M. *et al*, *Cancer Treat. Rep.*, 1981, **65**, 89 (*rev, pharmacol*)
Chiu, F.T. *et al*, *J. Pharm. Sci.*, 1982, **71**, 542 (*deriv, pmr, P nmr*)
Przybyski, M., *Arzneim. Forsch.*, 1982, **32**, 995 (*glc, ms, rev*)
Stec, W.J., *Organophosphorus Chemistry*, 1982, **13**, 145 (*rev*)
Su, C.N. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 7343 (*spectra*)
Zon, G., *Prog. Med. Chem.*, 1982, **19**, 205 (*analogues, rev*)
Sato, T. *et al*, *J. Org. Chem.*, 1983, **48**, 98 (*synth*)
Zon, G. *et al*, *J. Pharm. Sci.*, 1983, **72**, 687 (*cmr*)
Buess, M.L. *et al*, *Org. Magn. Reson.*, 1984, **22**, 67 (*nqr*)
Mruzek, M.N. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 360 (*ms*)
Setzer, W.N. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 2083 (*pmr, P-31 nmr, conformn*)
Kleinrok, Z. *et al*, *Arch. Immunol. Ther. Exp.*, 1986, **34**, 263 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 783 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1285.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 640.

Cyclopropane, 9CI, INN, USAN C-00635

Trimethylene

[75-19-4]



C_3H_6 M 42.080

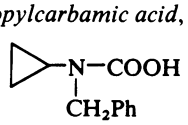
Inhalation anaesthetic. Gas with ethereal odour. Mod. sol. H_2O, v. sol. EtOH, Et_2O. Mp −126° to −127°. Bp −34°.

▷Extremely flammable. GZ0690000.

Hass, H.B. *et al*, *Ind. Eng. Chem.*, 1936, **28**, 1178 (*synth*)
Simmons, H.E. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 5323 (*synth*)
Weitkamp, H. *et al*, *Tetrahedron*, 1964, **20**, 2125 (*nmr*)
Etsten, B.E. *et al*, *Textb. Vet. Anesth.*, 1971, 81 (*pharmacol*)
Marsmann, M. *et al*, *Tetrahedron*, 1971, **27**, 4377 (*struct*)
Org. Synth., 1972, **52**, 22 (*synth*)
Neff, W.B., *Anesthesiology*, 1974, **41**, 313 (*history, use*)
Price, H.L. *et al*, *Pharmacol. Basis Ther. 5th Ed.*, 1975, 81 (*rev, pharmacol*)
Teratake, S. *et al*, *Chem. Lett.*, 1975, **12**, 1333 (*synth*)
Teratake, S., *CA*, 1978, **88**, 50332x.
Yamamoto, S. *et al*, *J. Phys. Chem.*, 1985, **89**, 3298 (*mol struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3105.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 532.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 265.

Cyclopropyl(phenylmethyl)carbamic acid, 9CI C-00636

N-Benzylcyclopropylcarbamic acid, 8CI



$C_{11}H_{13}NO_2$ M 191.229

Et ester: [2521-01-9]. ***Encyprate, USAN***. *A 19757. MO 1255.*

$C_{13}H_{17}NO_2$ M 219.283

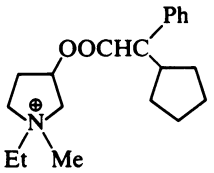
Antidepressant. $Bp_{0.08}$ 90-92°. n_D^{27} 1.5085.

▷GZ0875000.

Everett, G.M. *et al*, *Ann. N.Y. Acad. Sci.*, 1963, **107**, 1068 (*pharmacol*)
U.S.P., 3 083 226, (*1963*); *CA*, **59**, 9888f (*synth*)

Cyclopyrronium(1+) C-00637

1-Ethyl-3-hydroxy-1-methylpyrrolidinium α-cyclopentylphenylacetate



$C_{20}H_{30}NO_2^{\oplus}$ M 316.463 (ion)

(±)-*form*

Anticholinergic agent.

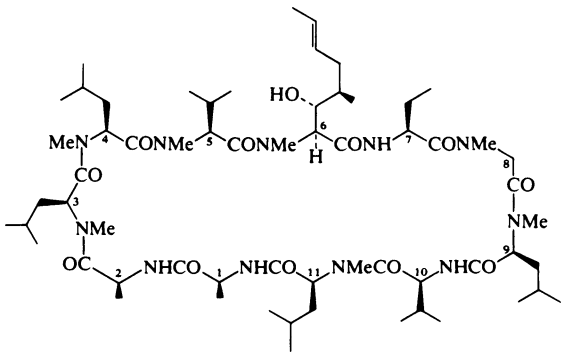
Bromide: [15599-22-1]. *Cyclopyrronium bromide, INN.*

$C_{20}H_{30}BrNO_2$ M 396.367

Mp 152.5-155°.

U.S.P., 2 956 062, (*1960*); *CA*, **55**, 7434 (*synth, props*)

Cyclosporins, 9CI C-00638



Cyclosporin *A*

Cyclosporin A [59865-13-3]

Ciclosporin, INN. *Cyclorin. Sandimmune. CyA. OL 27-400. S 7481/F1*

$C_{62}H_{111}N_{11}O_{12}$ M 1202.625

Metab. of *Trichoderma inflatum* (previously *T. polysporum*). Possesses antifungal activity and immunosuppressive props. Used clinically as an immunosuppressant after transplant surgery. Needles (Me_2CO). Mp 148-151°. $[\alpha]_D^{20}$ −244° (c, 0.6 in $CHCl_3$).

▷GZ4120000.

Deoxy: [83574-28-1]. ***Cyclosporin*** F. *(6,7-Didehydro-N,4-dimethyl-L-2-aminooctanoic acid)cyclosporin* A, *9CI.*

$C_{62}H_{111}N_{11}O_{11}$ M 1186.626

From *T. inflatum*. Cryst. (Et_2O/pet. ether). Mp 195-196°. $[\alpha]_D^{20}$ −290° ($CHCl_3$).

Cyclosporin B [63775-95-1]

7-L-Alaninecyclosporin A, *9CI*

$C_{61}H_{109}N_{11}O_{12}$ M 1188.599

Metab. of *T. inflatum*. Antifungal and immunosuppressive agent. Amorph. powder. Mp 149-152°. $[\alpha]_D^{20}$ −238° (c, 0.62 in $CHCl_3$).

Cyclosporin C [59787-61-0]
7-L-Threoninecyclosporin A, *9CI*
$C_{62}H_{111}N_{11}O_{13}$ M 1218.625
From *T. inflatum*. Needles (Me_2CO). Mp 152-155°. $[\alpha]_D^{20}$ −255° (c, 0.5 in $CHCl_3$).

Cyclosporin D [63775-96-2]
7-L-Valinecyclosporin A, *9CI*
$C_{63}H_{113}N_{11}O_{12}$ M 1216.652
Metab. of *T. inflatum*. Cryst. (Me_2CO at −15°). Mp 148-151°. $[\alpha]_D^{20}$ −252° (c, 0.52 in MeOH).

N*-*De-Me:* [83563-93-3]. ***Cyclosporin I***. *4-L-Leucine-7-L-valinecyclosporin* A, *9CI*.
$C_{62}H_{111}N_{11}O_{12}$ M 1202.625
From *T. inflatum*. Amorph. Mp 137-140°. $[\alpha]_D^{20}$ −220° (c, 0.71 in $CHCl_3$).

Cyclosporin E
5-L-Valinecyclosporine, A, *9CI*
$C_{61}H_{109}N_{11}O_{12}$ M 1188.599
From *T. inflatum*. Cryst. (Et_2O). Mp 149-152° (142-144°). $[\alpha]_D^{20}$ −179° ($CHCl_3$).

Cyclosporin G [74436-00-3]
7-L-Norvalinecyclosporin A, *9CI*
$C_{63}H_{113}N_{11}O_{12}$ M 1216.652
From *T. inflatum*. Cryst. (Et_2O/pet. ether). Mp 196-197°. $[\alpha]_D^{20}$ −245° ($CHCl_3$).

Cyclosporin H [83602-39-5]
5-(N-Methyl-D-valine)cyclosporin A, *9CI*
$C_{62}H_{111}N_{11}O_{12}$ M 1202.625
From *T. inflatum*. Cryst. (Et_2O). Mp 162-165°. $[\alpha]_D^{20}$ −177° (c, 0.75 in $CHCl_3$).

Cyclosporin K
6-(6,7-Didehydro-N,4-dimethyl-L-2-aminooctanoic acid)-7-L-valinecyclosporin A
$C_{63}H_{113}N_{11}O_{11}$ M 1200.653
Amorph. Mp 127-132°. $[\alpha]_D^{20}$ −293° ($CHCl_3$).

Cyclosporin L
6-(2-Amino-3-hydroxy-4-methyl-6-octenoic acid)-cyclosporin A
$C_{61}H_{109}N_{11}O_{12}$ M 1188.599
Amorph. Mp 154-157°. $[\alpha]_D^{20}$ −292° ($CHCl_3$).

Cyclosporin M
7,10-Bis(L-norvaline)cyclosporin A
$C_{63}H_{113}N_{11}O_{12}$ M 1216.652
Cryst. (Et_2O). Mp 142-144°. $[\alpha]_D^{20}$ −211° ($CHCl_3$).

Cyclosporin N
4-L-Leucine-7-L-norvalinecyclosporin A
$C_{62}H_{111}N_{11}O_{12}$ M 1202.625
Cryst. (Et_2O). Mp 169-172°. $[\alpha]_D^{20}$ −234° ($CHCl_3$).

Cyclosporin O
6-(N-Methyl-L-leucine)-7-L-norvalinecyclosporin A
$C_{60}H_{109}N_{11}O_{11}$ M 1160.588
Cryst. (pet. ether/Et_2O). Mp 186-188°. $[\alpha]_D^{20}$ −304° ($CHCl_3$).

Cyclosporin P
6-[(2S,3R,4R,6E)-2-Amino-3-hydroxy-4-methyl-6-octenoic acid]-7-L-threoninecyclosporin A
$C_{61}H_{109}N_{11}O_{13}$ M 1204.598
Amorph. Mp 157-160°. $[\alpha]_D^{20}$ −258° ($CHCl_3$).

Cyclosporin Q
9-L-Valinecyclosporin A
$C_{60}H_{107}N_{11}O_{12}$ M 1174.572
Amorph. Mp 160-164°. $[\alpha]_D^{20}$ −247° ($CHCl_3$).

Cyclosporin R
4,11-Bis(L-leucine)cyclosporin A
$C_{60}H_{107}N_{11}O_{12}$ M 1174.572
Struct. of this component has not been confirmed.
Amorph. Mp 173-175°. $[\alpha]_D^{20}$ −175° ($CHCl_3$).

Cyclosporin S
7-L-Threonine-9-L-valinecyclosporin A
$C_{60}H_{107}N_{11}O_{13}$ M 1190.571
Amorph. Mp 174-176°. $[\alpha]_D^{20}$ −199° ($CHCl_3$).

Cyclosporin T
4-L-Leucinecyclosporin A
$C_{61}H_{109}N_{11}O_{12}$ M 1188.599
Amorph. Mp 168-171°. $[\alpha]_D^{20}$ −245° ($CHCl_3$).

Cyclosporin U
11-L-Leucinecyclosporin A
$C_{61}H_{109}N_{11}O_{12}$ M 1188.599
Amorph. Mp 177-179°. $[\alpha]_D^{20}$ −207° ($CHCl_3$).

Cyclosporin V
1-S-(2-Aminobutanoic acid)cyclosporin A
$C_{63}H_{113}N_{11}O_{12}$ M 1216.652
Cryst. (Et_2O). Mp 149-152°. $[\alpha]_D^{20}$ −225° ($CHCl_3$).

Cyclosporin W
7-L-Threonine-5-L-valinecyclosporin A
$C_{61}H_{109}N_{11}O_{13}$ M 1204.598
Amorph. Mp 150-156°. $[\alpha]_D^{20}$ −219° ($CHCl_3$).

Cyclosporin X
3-L-Leucine-7-L-norvalinecyclosporin A
$C_{62}H_{111}N_{11}O_{12}$ M 1202.625
Cryst. (Et_2O). Mp 160-163°. $[\alpha]_D^{20}$ −233° ($CHCl_3$).

Cyclosporin Y
7-L-Norvaline-11-L-leucinecyclosporin A
$C_{62}H_{111}N_{11}O_{12}$ M 1202.625
Amorph. Mp 172-175°. $[\alpha]_D^{20}$ −192° ($CHCl_3$).

Cyclosporin Z
6-[S-(2-Aminooctenoic acid)]cyclosporin A
$C_{61}H_{111}N_{11}O_{11}$ M 1174.615
Amorph. Mp 132-136°. $[\alpha]_D^{20}$ −297° ($CHCl_3$).

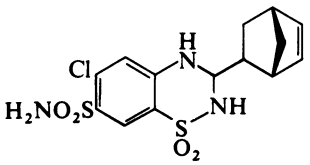
Rüegger, A. *et al*, *Helv. Chim. Acta*, 1976, **59**, 1480 (*cryst struct*)
Traber, R. *et al*, *Helv. Chim. Acta*, 1982, **65**, 1655 (*isol, uv, ir, pmr, cmr*)
U.S.P., 4 396 542, (*1983*); *CA*, **100**, 103900 (*synth*)
Thomson, A.W. *et al*, *Agents Actions*, 1984, **15**, 306 (*rev, pharmacol*)
Wenger, R.M., *Helv. Chim. Acta*, 1984, **67**, 502 (*synth, bibl*)
Kessler, H. *et al*, *Helv. Chim. Acta*, 1985, **68**, 661, 682 (*pmr, cmr, N nmr, cryst struct*)
Bennett, W.M. *et al*, *Annu. Rev. Med.*, 1986, **37**, 215 (*rev, tox, pharmacol*)
Prog. Allergy, 1986, **38**, 1 (*revs*)
Transplant. Proc., 1986, **18**, 1 (*revs*)
Hassan, M.M.A. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 145 (*rev*)
Traber, R. *et al*, *Helv. Chim. Acta*, 1987, **70**, 13 (*isol, pmr, cmr, struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1882.

Cyclothiazide, BAN, USAN, INN **C-00639**

3-[Bicyclo[2.2.1]hept-5-en-2-yl]-6-chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Anhydron. Aquirel. Ciclotiazid. Doburil. Fluidil. Renazide. Tensodiural. Valmiran. L 35483. MDi 193

[2259-96-3]



$C_{14}H_{16}ClN_3O_4S_2$ M 389.871

Diuretic, antihypertensive agent. Mp 234° (220° dec.).

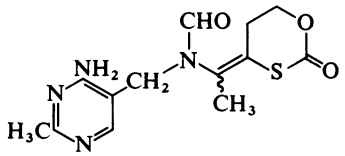
▷DK9610000.

Whitehead, C.W. *et al*, *J. Org. Chem.*, 1961, **26**, 2814 (*synth*)
Salim, E.F. *et al*, *J. Pharm. Sci.*, 1967, **56**, 518 (*ir, uv*)
Wentling, C.D., *Anal. Profiles Drug Subst.*, 1972, **1**, 65 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2324.

Cycotiamine, INN **C-00640**

N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-N-[1-(2-oxo-1,3-oxathian-4-ylidene)ethyl]formamide, 9CI, 8CI. N-[1-(2-Oxo-1,3-oxathian-4-ylidene)ethyl]-N-[(4-amino-2-methyl-5-pyrimidinyl)methyl]formamide. Carbothiamine. Cyclocarbothiamine. Cometamin

[6092-18-8]



$C_{13}H_{16}N_4O_3S$ M 308.354

Vitamin B_1 source, analgesic. Cryst. (H_2O). Mp 175.5° dec.

▷LQ0900000.

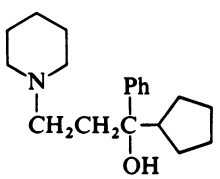
B,HCl: [19488-19-8]. Cryst. (MeOH/EtOAc). Mp 179-180° dec.

Neth. Pat., 6 511 842, (*1966*); *CA*, **65**, 8932a (*synth, pharmacol*)
Shiobara, Y. *et al*, *J. Vitaminol.*, 1967, **13**, 138 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7837.

Cycrimine, BAN, INN **C-00641**

α-Cyclopentyl-α-phenyl-1-piperidinepropanol, 9CI, 8CI. Cicrimin. Pagitane

[77-39-4]



$C_{19}H_{29}NO$ M 287.444

(±)-form

Anticholinergic drug. Used mainly as hydrochloride.

B,HCl: [126-02-3]. *Compound 08958*. Cryst. with bitter taste. Sol. H_2O, EtOH, $CHCl_3$. Mp 241-244°.

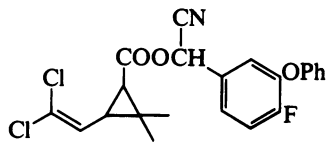
▷TN2800000.

Denton, J.J. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 3795 (*synth*)
Lands, A.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1956, **116**, 177 (*pharmacol*)
Askinazi, B.Z, *et al*, *Zh. Org. Khim.*, 1967, **3**, 2027 (*synth*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Dorlet, C. *et al*, *J. Pharm. Belg.*, 1976, **31**, 491 (*ms*)
Vedasiromoni, J.R. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1976, **219**, 64 (*pharmacol*)
Gelbcke, M., *Anal. Lett.*, 1977, **10**, 1221 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 356.

Cyfluthrin, BAN **C-00642**

α-Cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate. Baythroid. Cyfluthin. Bay VI 1704. FCR 1272

[68359-37-5]



$C_{22}H_{18}Cl_2FNO_3$ M 434.294

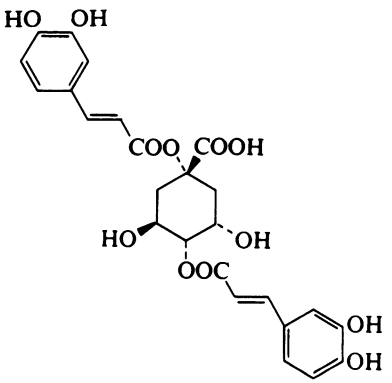
Veterinary insecticide.

Eur. Pat., 24 588, (*1981*); *CA*, **95**, 42696
Hammann, I. *et al*, *Pflanzenschutz-Nachr.*, 1981, **34**, 121 (*rev*)
Behrenz, W. *et al*, *Pflanzenschutz-Nachr.*, 1983, **36**, 127 (*rev*)
Lidgard, R.O. *et al*, *Biomed. Environ. Mass Spectrom.*, 1986, **13**, 677 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3855.

Cynarine, INN **C-00643**

1,3-Bis[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]-oxy]-4,5-dihydroxycyclohexanecarboxylic acid. 3,4-Dihydroxycinnamic acid 1-carboxy-4,5-dihydroxy-1,3-cyclohexylene ester, 9CI. 1,4-Bis(3,4-dihydroxycinnamoyl)quinic acid. Listrocol. Plemocil. Cinarcaf. Cinarina. CYN. Cynarex. Nivellipid

[1182-34-9]



$C_{25}H_{24}O_{12}$ M 516.457

Isol. from *Cyanara scolymus, Rhus typhina* flowers, *Senecio nemorensis* and *Cirsium arvense*. Choleretic agent. Cryst. Mp 227-228°. $[\alpha]_D^{25}$ −59° (c, 2 in MeOH). Confusion in lit. about struct.

▷GD8970000.

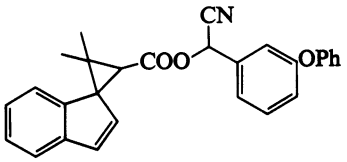
Penta-Me:
$C_{30}H_{34}O_{12}$ M 586.591
Cryst. Mp 160-161°.
Hexa-Ac:
$C_{37}H_{36}O_{18}$ M 768.681
Cryst. Mp 168-172°.

Panizzi, L. *et al*, *Nature* (*London*), 1954, **174**, 1062 (*isol*)
Preziosi, P. *et al*, *Arch. Int. Pharmacodyn.*, 1958, **117**, 63 (*pharmacol*)
Antona, A. *et al*, *Clin. Ter.*, 1971, **58**, 109; *CA*, **76**, 135904n (*metab*)
Palade, M. *et al*, *Farmacia* (*Bucharest*), 1971, **19**, 233; *CA*, **75**, 72500j
Albulescu, D. *et al*, *Farmacia* (*Bucharest*), 1972, **20**, 273; *CA*, **77**, 98704v
Pislarasu, N. *et al*, *Farmacia* (*Bucharest*), 1975, **23**, 183; *CA*, **84**, 140650w (*isol*)
Lattanzio, V. *et al*, *Experientia*, 1979, **35**, 993 (*isol*)
Horman, I. *et al*, *J. Agric. Food Chem.*, 1984, **32**, 538 (*struct, pmr, conformn*)

Cypothrin, USAN C-00644

Cyano(3-phenoxyphenyl)methyl 3,3-dimethylspiro[cyclopropane-1,1′-[1H]indene]-2-carboxylate, *9CI. CL 206797*

[60148-52-9]



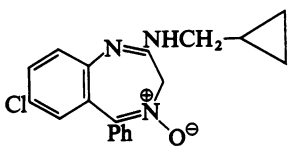
$C_{28}H_{23}NO_3$ M 421.495
Vet. insecticide. Pale-yellow oil.

U.S.P., 3 962 458, (*1976*); *CA*, **85**, 105432a (*synth, pharmacol*)

Cyprazepam, USAN, INN C-00645

7-Chloro-N-(cyclopropylmethyl)-5-phenyl-3H-1,4-benzodiazepin-2-amine 4-oxide, *9CI. Ciprazepam. W 3623*

[15687-07-7]



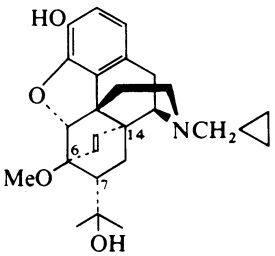
$C_{19}H_{18}ClN_3O$ M 339.824
Tranquilliser. Mp 248-251°.
▷DE8925000.

U.S.P., 3 138 586, (*1964*); *CA*, **61**, 7032f (*synth, pharmacol*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)

Cyprenorphine, BAN, INN C-00646

(5α,7α)-17-(Cyclopropylmethyl)-4,5-epoxy-3-hydroxy-6-methoxy-α,α-dimethyl-6,14-ethenomorphinan-7-methanol, *9CI.* N-*Cyclopropylmethyl-19-methylnorovinol. M 285. NIH 8112. RX 285M. UM 531*

[4406-22-8]



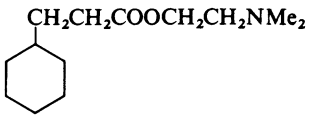
$C_{26}H_{33}NO_4$ M 423.551
Narcotic antagonist. Prisms (MeOH). Mp 234°.
B,HCl: [16550-22-4]. Mp 248°.

Bentley, K.W. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 3281 (*synth*)

Cyprodenate, INN C-00647

2-(Dimethylamino)ethyl cyclohexanepropionate, *9CI. Actebral. Ciprodene. LB 125. RD 406*

[15585-86-1]



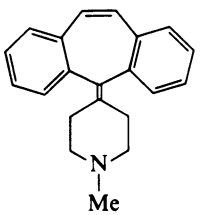
$C_{13}H_{25}NO_2$ M 227.346
Psychostimulant, cholinergic agent. Bp_2 102°.
Maleate: [22266-25-7]. Mp 129°.

Ger. Pat., 1 283 233, (*1968*); *CA*, **70**, 57282t (*synth, tox, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12624.

Cyproheptadine, BAN, INN C-00648

4-(5H-Dibenzo[a,d]cyclohepten-5-ylidene)-1-methylpiperidine, *9CI*, *8CI. 4-(5-Dibenzo[a,e]-cycloheptatrienylidene)-1-methylpiperidine. Numerous proprietary names*

[129-03-3]



$C_{21}H_{21}N$ M 287.404
Antihistamine, antipruritic, appetite stimulant. Cryst. (EtOH aq.). Mp 113°.
▷TM7000000.
B,HCl: [969-33-5]. *Cyproheptadine hydrochloride*, *USAN. Anarexol. Periactin.* Cryst. + $1\frac{1}{2}H_2O$ ($EtOH/Et_2O$). Mp 252.6-253.6° dec.
▷TM7050000.
Salt with Pyridoxal phosphate: ***Dihexazin***. *Viternum.* Appetite stimulant.

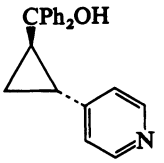
Engelhardt, E.L. *et al*, *J. Med. Chem.*, 1965, **8**, 829 (*synth, pharmacol*)
Fischer, L.J. *et al*, *Drug Metab. Dispos.*, 1980, **8**, 422 (*metab*)
Aboul-Enein, H.Y. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 155 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6124, 12653.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6064 (*synonyms*)

Cyprolidol, INN C-00649

α-Phenyl-α-[2-(4-pyridinyl)cyclopropyl]-benzenemethanol, 9CI. Diphenyl[2-(4-pyridyl)-cyclopropyl]methanol, 8CI

[7433-09-2]



$C_{21}H_{19}NO$ M 301.387

(1RS,2SR)-form [4904-00-1]

(±)-trans-*form*

Antidepressant. Mp 160-162°.

▷PC2000000.

B,HCl: [2364-72-9]. *Cyprolidol hydrochloride, USAN. IN 1060. NSC 84973.* Cryst. (MeOH/Et_2O). Mp 232°.

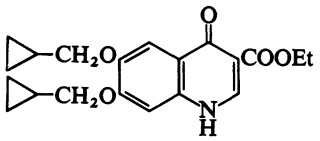
▷PC2100000.

Gray, A.P. *et al, J. Org. Chem.*, 1966, **31**, 399 (*synth, uv, ir*)
Miller, L. *et al, Arch. Int. Pharmacodyn. Ther.*, 1967, **166**, 313 (*pharmacol*)
Burger, A., *Fortschr. Arzneimittelforsch.*, 1971, **15**, 227 (*rev*)

Cyproquinate, USAN C-00650

Ethyl 6,7-bis(cyclopropylmethoxy)-1,4-dihydro-4-oxo-3-quinolinecarboxylate, 9CI. ***Ciproquinate, INN****. Cyproxyquine. Coxytrol. Su 18137*

[19485-08-6]



NH-form

$C_{20}H_{23}NO_5$ M 357.405

NH-Form predominates. Potent coccidiostat. Cryst. (DMF). Mp 290-290.5°.

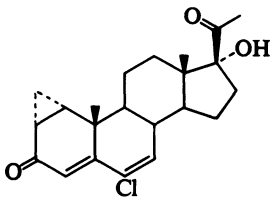
▷VB1925000.

Mizzoni, R.H. *et al, Experientia*, 1968, **24**, 1188 (*use*)
Mizzoni, R.H. *et al, J. Med. Chem.*, 1970, **13**, 870 (*synth, props*)

Cyproterone, INN C-00651

6-Chloro-1,2-dihydro-17-hydroxy-3'H-cyclopropa[1,2]pregna-1,4,6-triene-3,20-dione, 9CI

[2098-66-0]



$C_{22}H_{27}ClO_3$ M 374.907

▷GZ2228000.

(1β,2β)-form

Antiandrogen. Cryst. (EtOAc). Mp 237.5-240°.

Ac: [427-51-0]. *Cyproterone acetate, USAN, JAN. Androcur. Andro-Diane. Cyprostat. NSC 81430. SH 714. SH 80714.*

$C_{24}H_{29}ClO_4$ M 416.944

Antiandrogen. Cryst. (diisopropyl ether). Mp 200-201°.

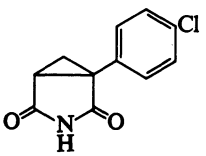
▷Exp. teratogen. GZ2230000.

Belg. Pat., 616 989, (*1963*); *CA*, **58**, 3445 (*synth*)
Ger. Pat., 1 189 991, (*1965*); *CA*, **63**, 1842 (*synth*)
Gerhards, E. *et al, Arzneim.-Forsch.*, 1973, **23**, 1550 (*pharmacol*)
Neumann, F. *et al, Adv. Exp. Med.*, 1980, 429 (*pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9034.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 533.

Cyproximide, USAN C-00652

1-(4-Chlorophenyl)-3-azabicyclo[3.1.0]hexane-2,4-dione, 9CI. 1-(p-Chlorophenyl)-1,2-cyclopropanedicarboximide, 8CI. ***Ciproximide, INN****. CL 53415*

[15518-76-0]



$C_{11}H_8ClNO_2$ M 221.643

Tranquilliser, antidepressant. Cryst. (EtOH). Mp 141-143°.

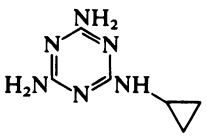
▷GZ2100000.

U.S.P., 3 344 026, (*1967*); *CA*, **68**, 29443m (*synth, pharmacol*)
Epstein, J.W. *et al, J. Med. Chem.*, 1981, **24**, 481 (*synth, pharmacol*)

Cyromazine, INN C-00653

N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine, 9CI. CGA 72662. Larvadex. Vetrazine

[66215-27-8]



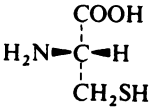
$C_6H_{10}N_6$ M 166.185

Ectoparasiticide. Cryst. Mp 219-222°.

U.S.P., 4 225 598, (*1980*); *CA*, **94**, 59795g (*synth, activity*)
Hall, R.D. *et al, J. Econ. Entomol.*, 1980, **73**, 564 (*activity*)
Hart, R.J. *et al, Aust. Vet. J.*, 1982, **59**, 104 (*activity*)
Binnington, K.C. *et al, Pestic. Biochem. Physiol.*, 1987, **27**, 201 (*activity*)

Cysteine C-00654

2-Amino-3-mercaptopropanoic acid, 9CI. Thioserine (obsol.). NSC 8746



(R)-form

$C_3H_7NO_2S$ M 121.154

(*R*)-*form* [52-90-4]
L-form
Found in hydrolysates of proteins. Used as a detoxicant. Sol. H_2O, AcOH, NH_3. Mp 178°. $[\alpha]_D^{25}$ −16.5° (c, 2 in H_2O), +6.5° (c, 2 in 5M HCl). pK_{a1} 1.92, pK_{a2} 8.35, pK_{a3} 10.46 (SH). Oxid. rapidly to Cystine. *N*-Protected derivs. useful in peptide synthesis have been listed alphabetically elsewhere.
▷HA1600000.
B,HCl: [52-89-1]. Mp 175-178° dec.
▷HA2275000.
Me ester: [2485-62-3]. ***Methyl cysteine, BAN.*** *Mecysteine, INN.*
$C_4H_9NO_2S$ M 135.181
Mucolytic. Vasoconstrictor.
Me ester; B,HCl: [18598-63-5]. *Acdrile. Livathiol. Visclair. Other proprietary names.* Cryst. (MeOH). Mp 140-141°. $[\alpha]_D^{20}$ −2.9° (MeOH).
▷HA2460000.
Benzyl ester; B,HCl:
$C_{10}H_{13}NO_2S$ M 211.278
Mp 106°. $[\alpha]_D^{25}$ −26.6° (0.1M HCl).
S-*Me:*
$C_4H_9NO_2S$ M 135.181
Found in human urine and in the kidney bean (*Phaseolus vulgaris*). Mp 207-211°. $[\alpha]_D^{26}$ −32° (H_2O).
S-*Me*, S-*oxide:*
$C_4H_9NO_3S$ M 151.180
Occurs free in cabbage and turnip and as peptide in beans. $[\alpha]_D$ +125° (H_2O).
S-*Et:*
$C_5H_{11}NO_2S$ M 149.207
Mp 228-230°.
S-*Propyl:*
$C_6H_{13}NO_2S$ M 163.234
Occurs as γ-glutamyl peptide in garlic. $[\alpha]_D$ −24.9° (H_2O).
S-*Propyl*, S-*oxide:*
$C_6H_{13}NO_3S$ M 179.234
Occurs free in onion bulbs. $[\alpha]_D$ −11° (H_2O).
S-*1-Propenyl:*
$C_6H_{11}NO_2S$ M 161.218
Isol. from chives and garlic. $[\alpha]_D$ −15° (2M HCl).
S-(*1-Propenyl*), S-*oxide:*
$C_6H_{11}NO_3S$ M 177.218
Isol. from onions. $[\alpha]_D$ −74° (H_2O).
S-(*2-Propenyl*): S-*Allylcysteine.*
$C_6H_{11}NO_2S$ M 161.218
Occurs in garlic. $[\alpha]_D$ −16.4° (H_2O).
S-*Benzyl:*
$C_{10}H_{13}NO_2S$ M 211.278
Mp 208-211° (215°). $[\alpha]_D^{25}$ +28° (c, 1 in NaOH), −20° (c, 1 in 5M HCl).
S-*Carboxymethyl:* [638-23-3]. ***Carbocisteine, BAN, INN, JAN.*** *Mucodyne. Thiodril. Numerous proprietary names.*
$C_5H_9NO_4S$ M 179.190
Mucolytic agent. Mp 204-207°. $[\alpha]_D^{24}$ +0.5° (0.1 1M HCl).
▷AY4342000.
S-(*2-Carboxy-2-hydroxyethyl*):
$C_6H_{11}NO_5S$ M 209.217
Isol. from human urine.
S-(*3-Carboxy-3-hydroxypropyl*):
$C_7H_{13}NO_5S$ M 223.243
Isol. from urine of cystathionuric and homocystinuric patients.
S-[(*2-Carboxy-2-hydroxyethylthio*)*methyl*]:
$C_7H_{13}NO_5S_2$ M 255.303
Isol. from *Acacia georginae.*
N-*Ac: see N-Acetylcysteine, A-00031*
N,S-*Di-Ac: see N-Acetylcysteine, A-00031*

(*S*)-*form* [921-01-7]
D-form
S-*Benzyl:* Mp 212-215°. $[\alpha]_D^{25}$ −25°.
S-*Benzyl, benzyl ester; B,HCl:*
$C_{17}H_{19}NO_2S$ M 301.403
Mp 128.5°. $[\alpha]_D^{24}$ +26.3° (c, 1 in MeOH).
S-*Benzyl*,N-*benzyloxycarbonyl:* Mp 94-95°. $[\alpha]_D^{24}$ +55° (c, 2 in DMF).

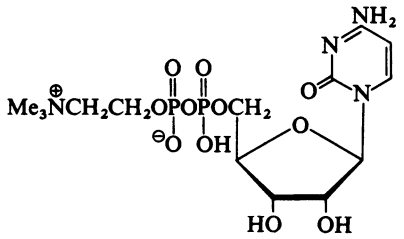
(±)-*form* [3374-22-9]
B,HCl: Mp 140-141°.
N,S-*Di-Ac:* Mp 111-112°.
N-*Benzoyl:*
$C_{10}H_{11}NO_3S$ M 225.262
Mp 137°.
Me ester; B,HCl:
$C_4H_9NO_2S$ M 135.181
Mp 138°.
S-*Benzyl; B,HCl:* Mp 112°.
S-*Benzyl, amide; B,HCl:*
$C_{10}H_{14}N_2OS$ M 210.293
Mp 189-190°.

du Vigneaud, V. *et al, J. Am. Chem. Soc.*, 1930, **52**, 4500.
Arnstein, H.R.V. *et al, Biochem. J.*, 1954, **57**, 360.
Zervas, L. *et al, J. Am. Chem. Soc.*, 1956, **78**, 1359 (*Mecysteine*)
Goodman, L. *et al, J. Org. Chem.*, 1958, **23**, 1251 (*Carbocysteine*)
Greenstein, J.P. *et al, Chemistry of the Amino Acids*, 1961, Wiley, N.Y., Vol. 3, 1879 (*rev*)
Tominga, T. *et al, J. Biochem.* (*Tokyo*), 1963, **54**, 220
Fowden, L., *Ann. Rev. Biochem.*, 1964, **33**, 173 (*occur, derivs*)
Martin, R.B. *et al, J. Am. Chem. Soc.*, 1965, **87**, 1065 (*pmr*)
Martin, T.A. *et al, J. Org. Chem.*, 1965, **30**, 2839.
Saggers, B.A. *et al, J. Clin. Pathol.*, 1966, **19**, 313; *CA*, **65**, 9533b.
Quevanviller, A. *et al, Therapie*, 1967, **22**, 485 (*Carbocysteine*)
Saia, B. *et al, Minerva Med.*, 1967, **58**, 3773 (*Mecysteine*)
Kerr, K.A. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 2022.
Mighell, A.D. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 1258 (*Carbocysteine*)
Martens, J. *et al, Angew. Chem., Int. Ed. Engl.*, 1981, **20**, 668 (*synth*)
Haley, T.J., *Dangerous Props. Ind. Mater. Rep.*, 1983, **3**, 14 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 319 (*deriv, synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 577, 579, 607.

Cytidine diphosphate choline C-00655

Cytidine 5'-(trihydrogen diphosphate) hydroxide mono[2-(trimethylammonio)ethyl ester. Choline hydroxide 5' ester with cytidine 5'-(trihydrogen pyrophosphate), inner salt. Citicoline. Cereb. Colite. Cyscholin. CDP-Choline

[987-78-0]



$C_{14}H_{26}N_4O_{11}P_2$ M 488.327

Antineoplastic agent. Involved in the biosynth. of lecithin and sphingomyelin and in the formation of plasmologen in the liver and brain. Hygroscopic powder + $3H_2O$. λ_{max} 271 (ε 9 100), 280 nm (13 700) (0.1M HCl).

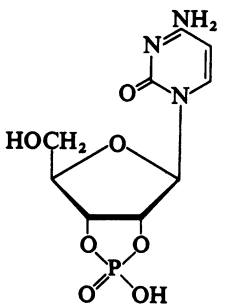
▷GA4027000.

Kennedy, E.P. *et al*, *J. Biol. Chem*, 1956, **222**, 193.
Makishima, K. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1343 (*pharmacol*)
Viswamitra, M.A. *et al*, *Nature* (*London*), 1975, **258**, 497 (*cryst struct*)
Furusawa, K. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1711 (*synth, uv*)

Cytidine 2',3'-phosphate C-00656

Cyclic 2',3'-(hydrogen phosphate)cytidine, 9CI, 8CI. ***Cifostodine, INN.*** *Cytipos*

[633-90-9]



$C_9H_{12}N_3O_7P$ M 305.183

Intermed. formed during digestion of ribonucleic acid by ribonuclease. Ophthalmologic agent. Synthesised from either Cytidylic acid *a* or *b*. Used as Na salt.

K salt: [20486-23-1]. Hygroscopic cryst. + $1H_2O$. λ_{max} 268 nm (ε 8 650) (pH 7.5).

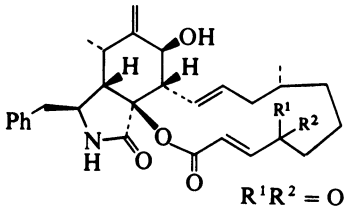
Ba salt: Amorph. powder. λ_{max} 268 (ε 8 400), 232 nm (ε 8 500) (H_2O).

Brown, D.M. *et al*, *J. Chem. Soc.*, 1952, 2708.
Biochem. Prep., 1968, **12**, 107 (*synth*)
Coulter, C.L., *J. Am. Chem. Soc.*, 1973, **95**, 570 (*cryst struct*)
Lapper, R.D. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 2880 (*pmr*)
Davies, D.B., *Stud. Biophys.*, 1976, **55**, 29; *CA*, **85**, 59065h (*cmr*)
Reddy, B.S. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 1520 (*cryst struct*)

Cytochalasin *A* C-00657

Dehydrophomin

[14110-64-6]



$R^1R^2 = O$

$C_{29}H_{35}NO_5$ M 477.599

Metab. of *Helminthosporium dematioideum* and of a *Phoma* spp. Shows antibiotic props. Blocks the process of cytokinesis in animal cells without interfering with nuclear division. Needles (Me_2CO). Mp 185-187°. $[\alpha]_D$ +92° (EtOH).

Ac: Mp 176-181°. $[\alpha]_D$ +18° ($CHCl_3$).

Aldridge, D.C. *et al*, *J. Chem. Soc.* (*C*), 1967, 1667 (*isol, ms, ir, uv, nmr, struct, synth*)
Rothweiler, W. *et al*, *Helv. Chim. Acta*, 1970, **53**, 696 (*isol, ir, uv, ms, pmr, struct*)
Masumune, S. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 6756 (*synth*)
Kim, M.Y. *et al*, *J. Org. Chem.*, 1981, **46**, 5383 (*synth*)
Ackermann, J. *et al*, *Helv. Chim. Acta*, 1984, **67**, 254 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 276.

Cytochalasin *B* C-00658

Phomin

[14930-96-2]

As Cytochalasin *A*, C-00657 with

$R_1 = H, R_2 = OH$

$C_{29}H_{37}NO_5$ M 479.615

Metab. of *Helminthosporium dematioideum* and a *Phoma* sp. Has antibiotic and cytotoxic props. Needles (Me_2CO). Mp 218-221°. $[\alpha]_D^{25}$ +83° (MeOH).

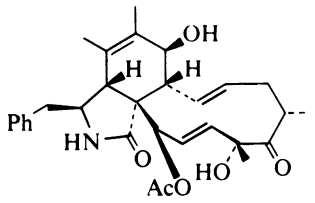
▷RO0205000.

Di-Ac: Amorph. $[\alpha]_D$ +98° (EtOH).

Aldridge, D.C. *et al*, *J. Chem. Soc.* (*C*), 1967, 1667 (*isol, ir, uv, ms, nmr, struct*)
McLaughlin, G.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1970, 1398 (*cryst struct*)
Rothweiler, W. *et al*, *Helv. Chim. Acta*, 1970, **53**, 696 (*isol, struct, ir, uv, ms, nmr*)
Turner, W.B. *et al*, *Biochem. J.*, 1972, **127**, 1P (*rev*)
Graf, W. *et al*, *Helv. Chim. Acta*, 1974, **57**, 1801 (*cmr, biosynth*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 7775 (*synth, ir, pmr*)
Kim, M.Y. *et al*, *J. Org. Chem.*, 1981, **46**, 5383 (*synth*)
Pohland, A.E. *et al*, *Pure Appl. Chem.*, 1982, **54**, 2220 (*uv, ir, pmr, ms*)
Ramaswamy, S., *Diss. Abstr. Int. B*, 1983, **44**, 1461 (*synth, rev*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 5510 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 281.

Cytochalasin *C* C-00659

[22144-76-9]



$C_{30}H_{37}NO_6$ M 507.625

Metab. of *Metarrhizium anisopliae*. Shows antibiotic and cytotoxic props. similar to Cytochalasin *A*, C-00657 . Needles (Me_2CO). Mp 260-264°. $[\alpha]_D^{28}$ −14.7° (c, 0.82 in dioxan).

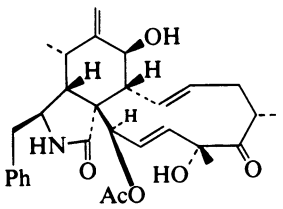
▷HA5300500.

Aldridge, D.C. *et al*, *J. Chem. Soc.* (*C*), 1969, 923 (*isol, struct, nmr*)
Clark, D.A., *Diss. Abstr. Int. B*, 1979, **40**, 243 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 294.

Cytochalasin *D* C-00660

Zygosporin A

[22144-77-0]



$C_{30}H_{37}NO_6$ M 507.625

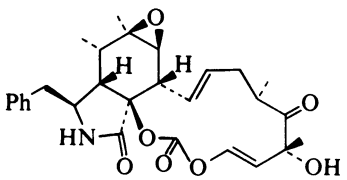
Metab. of *Metarrhizium anisopliae*. Shows antibiotic and cytotoxic props. similar to Cytochalasin *A*, C-00657 . Needles (Me_2CO/pet. ether). Mp 268-271°. $[\alpha]_D^{25}$ −7.5° (c, 0.55 in dioxan).

▷GZ4850000.

Aldridge, D.C. *et al*, *J. Chem. Soc.* (*C*), 1969, 923 (*isol, struct, nmr*)
Minato, H. *et al*, *J. Chem. Soc.* (*C*), 1970, 38 (*uv, ir, ms, nmr*)
Graf, W. *et al*, *Helv. Chim. Acta*, 1974, **57**, 1801 (*cmr, biosynth*)
Vederas, J.C. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1886; 1976, **59**, 558 (*biosynth*)
Arnost, M.J., *Diss. Abstr. Int. B*, 1980, **40**, 4297, 4309 (*synth*)
Chappuis, G. *et al*, *Helv. Chim. Acta*, 1982, **65**, 521 (*props*)
Vedejs, E. *et al*, *J. Org. Chem.*, 1982, **47**, 4384 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 299.

Cytochalasin *E* C-00661

[36011-19-5]



$C_{28}H_{33}NO_7$ M 495.571

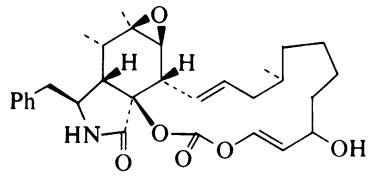
Metab. of *Rosellina necatrix* and *Aspergillus clavatus*. Antibiotic and cytotoxic props. similar to other members of the group. Mp 206-208° dec. $[\alpha]_D^{25}$ −25.6° (MeOH).

▷HA5360000.

Aldridge, D.C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 551 (*struct, pmr, cmr*)
Büchi, G. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 5423 (*struct, ms, ir, pmr, cryst struct*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 266.

Cytochalasin *F* C-00662

[36084-18-1]



$C_{29}H_{37}NO_5$ M 479.615

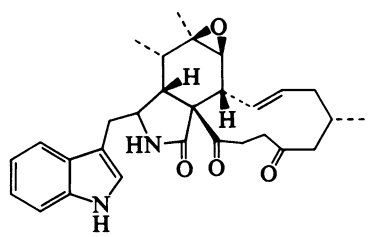
Minor metab. of *Helminthosporium dematioideum*. $[\alpha]_D^{23}$ −33.1° (c, 0.9 in $CHCl_3$).

▷RO0206000.

Aldridge, D.C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 148; 1973, 551 (*isol, struct, pmr, cmr*)
Büchi, G. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 5423 (*struct, ms, ir, pmr*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 5510 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 286.

Cytochalasin *G* C-00663

[54874-57-6]



$C_{29}H_{34}N_2O_4$ M 474.599

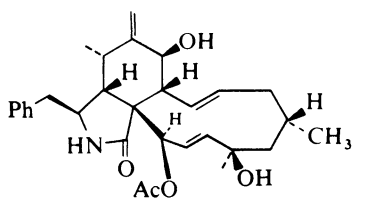
Prod. by an unidentified *Nigrosabulum* spp. Shows antibiotic and cytotoxic props. Needles (MeOH). Mp 255-257°. $[\alpha]_D^{24}$ −99° (c, 0.35 in MeOH).

Cameron, A.F. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1974, 1741 (*isol, ir, uv, ms, pmr, cryst struct*)
Probst, A. *et al*, *Helv. Chim. Acta*, 1981, **64**, 2056 (*cmr*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 272.

Cytochalasin *H* C-00664

Paspalin P1. Kodocytochalasin 1

[53760-19-3]



$C_{30}H_{39}NO_5$ M 493.642

Metab. of *Phomopsis* spp. Shows antibiotic and cytotoxic props. Long needles ($CHCl_3/Et_2O$). Mp 258-263°.

▷HA5306000.

O-*De-Ac:* [53760-20-6]. ***Cytochalasin* J**. *Deacetylcytochalasin* H.
$C_{28}H_{37}NO_4$ M 451.605

Metab. of a *P.* sp. Cryst. (Et_2O). Mp 274-276° part dec. $[\alpha]_D^{27}$ +47.8° (c, 0.43 in MeOH). Prob. identical with Kodocytochalasin 2.

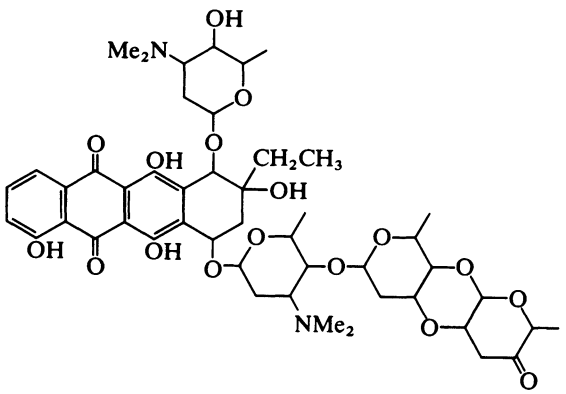
▷HA5320000.

Beno, M.A. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 4123 (*cryst struct, pmr, stereochem*)
McMillan, J.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 105 (*pmr, cryst struct*)
Cole, R.J. *et al*, *J. Agric. Food Chem.*, 1981, **29**, 205 (*deriv*)
Magin, D.F. *et al*, *J. Agric. Food Chem.*, 1984, **32**, 544 (*ms*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 289.

Cytorhodin *S* C-00665

Rodorubicin, INN. *HLB 817*

[96497-67-5]



$C_{48}H_{64}N_2O_{17}$ M 941.037

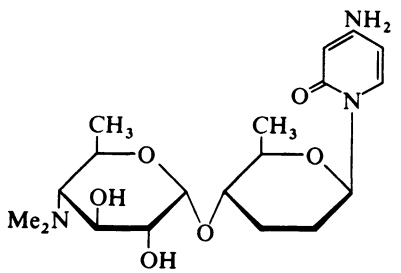
Red amorph. solid.

Eur. Pat., 131 942, (*1985*); *CA*, **103**, 5013 (*purifn, pmr, pharmacol*)

Cytosamine, 9CI, 8CI C-00666

4-Amino-1-[*2,3,6-trideoxy-4-*O-[*4,6-dideoxy-4-*(*dimethylamino*)-α-D-*glucopyranosyl*]-β-D-erythro-*hexopyranosyl*]-*2*(*1*H)-*pyrimidinone*, *9CI*

[26758-91-8]



$C_{18}H_{30}N_4O_6$ M 398.458

Alkaline degrad. prod. of the antibiotic Amicetin. Aminoacyl cytosamine derivs. are used as bactericides. Mp 160-165° (hydrate), 254-256° dec. (anhyd.). pK_a 3.9, 7.0.

*4*N-*Benzoyl:*
$C_{20}H_{32}N_4O_7$ M 440.495
Mp 130-135°.

*4*N-(*4-Nitrobenzoyl*): Mp 147-149°.

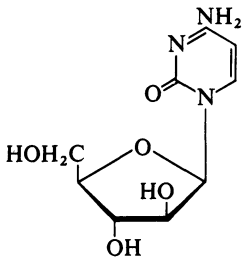
*4*N-(*3,5-Dinitrobenzoyl*): Mp 140-143°.

*4*N,*2'*,*3'-Tri-Ac:*
$C_{24}H_{36}N_4O_9$ M 524.570
Mp 220-222°.

Flynn, E.H. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 5867 (*isol*)
Haskell, T.H., *J. Am. Chem. Soc.*, 1958, **80**, 747.
U.S.P., 3 308 117, (*1967*); *CA*, **67**, 100416s
Stevens, C.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 3280 (*synth*)
Sygusch, J. *et al*, *Acta. Crystallogr., Sect. B*, 1974, **30**, 40 (*cryst struct*)

Cytosine arabinoside C-00667

4-Amino-1-arabinofuranosyl-2(1H)-*pyrimidinone*, *9CI. Arabinosylcytosine. 4-Amino-1-arabinofuranosyl-2-oxo-1,2-dihydropyrimidine. Arabinofuranosylcytosine*



$C_9H_{13}N_3O_5$ M 243.219

β-D-furanose-form [147-94-4]

Cytarabine, USAN, INN, JAN, BAN. *Cytosar-U. Aracytidine. Ara-C. Other synonyms*

Antineoplastic and antiviral agent. Prisms (EtOH aq.). Mp 212-213°. $[\alpha]_D^{25}$ +155.2° (c, 0.7 in H_2O).

▷Exp. teratogen. HA5425000.

B,HCl: [69-74-9]. *Cytarabine hydrochloride, USAN.* Cryst. (EtOH aq.). Mp 188-193°. $[\alpha]_D^{25}$ +131.0° (c, 0.7 in H_2O).

▷HA5500000.

*Tri-*O*-benzyl:* Cryst. (EtOAc). Mp 153-154°. $[\alpha]_D$ +123° (c, 2 in CH_2Cl_2).

1-Adamantanecarboxylate: [23113-01-1]. *Adamantoylcytarabine. Adam CA. adoAra C. AdOCA. NSC 117614. U 26516.* Immunosuppressive agent.

Docosanamide: [55726-47-1]. ***Enocitabine, INN, JAN.*** N^4-*Behenoyl-1-β-D-arabinofuranosylcytosine. Behenoylcytarabine. BH-Ac. NSC 239336. Sunrabine.*
$C_{31}H_{55}N_3O_6$ M 565.792
Antineoplastic, antileukaemic agent. Cryst. (DMSO). Mp 141-142°. $[\alpha]_D^{22}$ +70° (c, 1 in THF).

▷JR1230400.

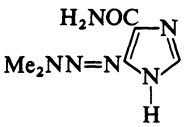
Walwick, E.R. *et al*, *Proc. Chem. Soc. London*, 1959, 84 (*synth*)
Shen, T.Y. *et al*, *J. Org. Chem.*, 1965, **30**, 835 (*synth*)
Roberts, W.K. *et al*, *J. Org. Chem.*, 1967, **32**, 816 (*synth*)
Greig, M.E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **182**, 364 (*metab, deriv*)
Tolman, R.L. *et al*, *J. Med. Chem.*, 1971, **14**, 1112 (*synth*)
Tougard, P. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 86 (*cryst struct*)
Akiyama, M. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 981 (*synth, spectra, deriv*)
Beranek, J. *et al*, *Nucl. Acid Chem.*, 1978, **1**, 239, 249, 255 (*synth*)
Krenitsky, T.A. *et al*, *Carbohyd. Res.*, 1981, **97**, 139 (*synth*)
Ohishi, J. *et al*, *Cancer Res.*, 1981, **41**, 2501 (*metab, deriv*)
Hruska, F.E. *et al*, *Can. J. Chem.*, 1982, **60**, 3026 (*pmr, cmr*)
Creasey, W.A., *Antibiotics (N.Y.)*, 1983, **6**, 12 (*rev*)
Pallavicini, M.G., *Pharmacol. Ther.*, 1984, **25**, 207 (*rev, pharmacol*)
Tsukagoshi, S., *Drugs of Today*, 1986, **22**, 169 (*rev, deriv, pharmacol*)
Woodcock, D.M., *Semin. Oncol.*, 1987, **14**, 251 (*rev, cytotoxicity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1826.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1297.

D

Dacarbazine, BAN, USAN, INN **D-00001**

5-(3,3-Dimethyl-1-triazenyl)-1H-imidazole-4-carboxamide, 9CI. Biocarbazine R. Deticene. DTIC. NSC 45388

[4342-03-4]



$C_6H_{10}N_6O$ M 182.185

Antineoplastic agent. Used to treat malignant melanoma. Ivory microcryst. Mp 250-255° dec., Mp 205°.

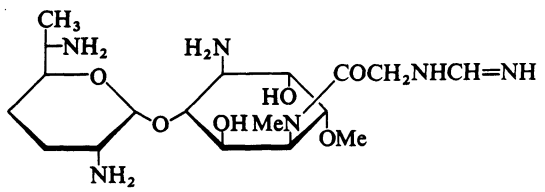
▷Explosive dec. Can cause irritation to skin and mucous membranes. NI3950000.

Shealy, Y.F. *et al, J. Org. Chem.*, 1962, **27**, 2150 (*synth*)
Fioretta, M.C., *Pharmacol. Res. Commun.*, 1975, **7**, 481 (*rev*)
Beal, D.D., *Diss. Abstr. Int. B*, 1978, **38**, 4720 (*metab, pharmacol*)
Zambito, A.J. *et al, Nucl. Acid Chem.*, 1978, **1**, 3 (*synth*)
Freeman, H.C. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 2045, 2051 (*cryst struct*)
Stevens, M.F.G., *Dev. Pharmacol.*, 1983, **3**, 183 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1827.

Dactimicin **D-00002**

Antibiotic SF 2052. SF 2052

[73196-97-1]



$C_{18}H_{36}N_6O_6$ M 432.519

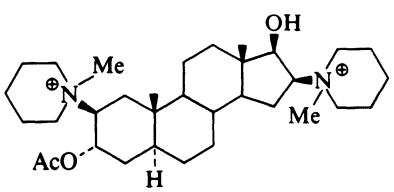
Aminoglycoside antibiotic. From *Dactylosporangium matsuzakiense* and *D. vinaceum*. Active against gram-positive and -negative bacteria.

B,HCl: Mp 209-210° (dec. with foaming). $[\alpha]_D^{25}$ +87° (c, 1 in H_2O).

Inouye, S. *et al, J. Antibiot.*, 1979, **32**, 1354 (*isol*)
Shomura, T. *et al, J. Antibiot.*, 1980, **33**, 924 (*isol*)
Ohba, K. *et al, J. Antibiot.*, 1981, **34**, 1090 (*struct*)
Atsumi, K. *et al, J. Antibiot.*, 1982, **35**, 90 (*synth*)
Japan. Pat., 82 43 694, (*1982*); *CA*, **97**, 22081 (*manuf*)
Matsukashi, Y. *et al, Antimicrob. Agents Chemother.*, 1985, **27**, 589 (*props*)

Dacuronium(2+) **D-00003**

[43021-45-0]



$C_{33}H_{58}N_2O_3^{\oplus\oplus}$ M 530.833 (ion)

Muscle relaxant.

Dibromide: [27115-86-2]. *Dacuronium bromide, BAN, INN. NB 68.*

$C_{33}H_{58}Br_2N_2O_3$ M 690.641

Mp 210-213°.

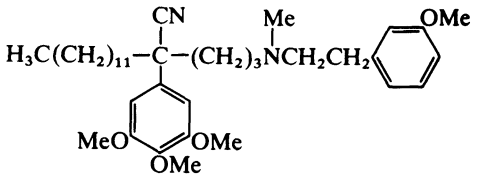
▷TN4924000.

Norman, J. *et al, Br. J. Anaesth.*, 1971, **43**, 313 (*pharmacol*)
Casy, A.F. *et al, Can. J. Chem.*, 1972, **50**, 3998 (*pmr, conformn*)
Buckett, W.R. *et al, J. Med. Chem.*, 1973, **16**, 1116 (*synth, pharmacol*)
Marshall, I.G. *et al, J. Pharm. Pharmacol.*, 1979, **31**, 831 (*pharmacol*)

Dagapamil, INN **D-00004**

α-Dodecyl-3,4,5-trimethoxy-α-[3-[[2-(3-methoxyphenyl)ethyl]methylamino]propyl]-benzeneacetonitrile, 9CI. 1-(3-Methoxyphenyl)-3-methylaza-7-cyan-7-(3,4,5-trimethoxyphenyl)-nonadecane

[85247-76-3]



$C_{36}H_{56}N_2O_4$ M 580.849

Antihypertensive agent.

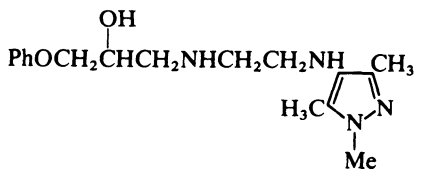
B,HCl: [85246-70-4]. Mp 93-95°.

Eur. Pat., 64 158, (*1982*); *CA*, **98**, 160449 (*synth, props*)

Dalbraminol, INN **D-00005**

1-Phenoxy-3-[[2-[(1,3,5-trimethyl-1H-pyrazol-4-yl)-amino]ethyl]amino]-2-propanol, 9CI. BM 14327. Rasaterol

[81528-80-5]



$C_{17}H_{26}N_4O_2$ M 318.418

(±)-form

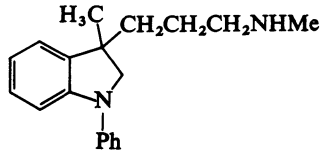
β-Adrenergic blocker. Cryst. (EtOH). Mp 124° dec.

Eur. Pat., 42 593, (*1981*); *CA*, **96**, 199720 (*synth*)

Daledalin D-00006

2,3-Dihydro-N,3-dimethyl-1-phenyl-1H-indole-3-propanamine, 9CI. 3-Methyl-3-[3-(methylamino)propyl]-1-phenylindoline, 8CI

[22136-27-2]



$C_{19}H_{24}N_2$ M 280.412

Antidepressant. Oil.

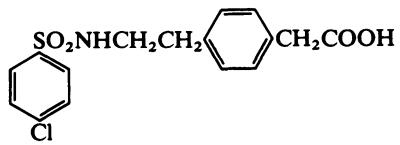
p-*Toluenesulphonate salt:* [23226-37-1]. *Daledalin tosylate, USAN. UK 3557-15.* Mp 122-122.5°.

Canas-Rodriguez, A. *et al, J. Med. Chem.*, 1972, **15**, 762 (*synth, pharmacol*)

Daltroban, INN D-00007

4-[2-[[(4-Chlorophenyl)sulfonyl]amino]ethyl]-benzeneacetic acid, 9CI. BM 13505

[79094-20-5]



$C_{16}H_{16}ClNO_4S$ M 353.820

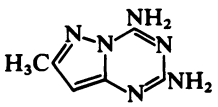
Thromboxane receptor antagonist. Mp 199-201°.

Ger. Pat., 3 000 377, (*1981*); *CA*, **95**, 132503 (*synth*)
Yanagisawa, A. *et al, Eur. J. Pharmacol.*, 1987, **133**, 89 (*pharmacol*)
Smith, E.F. *et al, Pharmacology*, 1988, **36**, 340 (*pharmacol*)

Dametralast, INN D-00008

7-Methylpyrazolo[1,5-a]-1,3,5-triazine-2,4-diamine, 9CI. LA 2851

[71680-63-2]



$C_6H_8N_6$ M 164.169

Bronchodilator, antiallergic, antihistamine agent.

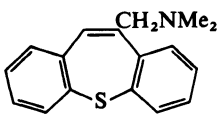
B,HCl: [71680-64-3]. Cryst. + ½H_2O (EtOH aq.). Mp 268-270°.

Ger. Pat., 2 900 288, (*1979*); *CA*, **91**, 157770 (*synth*)
Junien, J.L. *et al, Arch. Int. Pharmacodyn. Ther.*, 1981, **252**, 313 (*pharmacol*)
Ruff, F. *et al, Prostaglandins Ser.*, 1983, **3**, 205 (*pharmacol*)

Damotepine, INN D-00009

N,N-*Dimethyldibenzo[b,f]thiepin-10-methanamine, 9CI. 10-(Dimethylaminomethyl)dibenzo[b,f]thiepine. GP 41299*

[1469-07-4]



$C_{17}H_{17}NS$ M 267.388

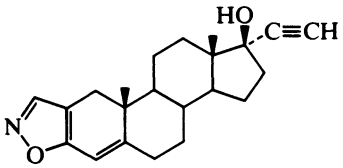
Adrenolytic, central depressive agent. Mp 112°.

Netherlands Pat., 6 514 187, (*1966*); *CA*, **65**, 12184a (*synth, pharmacol*)
Besserer, K. *et al, Arzneim.-Forsch.*, 1972, **22**, 932 (*pharmacol*)
Degen, P.H. *et al, J. Chromatogr.*, 1973, **85**, 53 (*glc*)

Danazol, BAN, USAN, INN, JAN D-00010

Pregna-2,4-dien-20-yno[2,3-d]isoxazol-17-ol, 9CI. Chronogyn. Danocrine. Danol. Ladogal. Other proprietary names

[17230-88-5]



$C_{22}H_{27}NO_2$ M 337.461

Anterior pituitary suppressant. Cryst. (Me_2CO). Mp 224.4-226.8°. $[\alpha]_D^{25}$ +7.5° (EtOH), $[\alpha]_D$ +21.9° ($CHCl_3$).

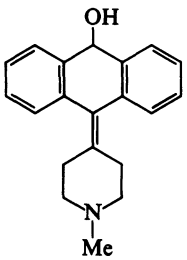
▷TU4157070.

Manson, A.J. *et al, J. Med. Chem.*, 1963, **6**, 1 (*synth, pharmacol*)
Potts, G.O. *et al, Drugs*, 1980, **19**, 321 (*rev, pharmacol*)
Barbieri, R.L. *et al, Am. J. Obstet. Gynecol.*, 1981, **141**, 453 (*rev, pharmacol*)
Kamata, S. *et al, Synthesis*, 1986, 588 (*synth*)
Walton, A.R. *et al, Acta Crystallogr., Sect. C*, 1988, **44**, 1621 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9035.

Danitracen, INN D-00011

9,10-Dihydro-10-(1-methyl-4-piperidinylidene)-9-anthracenol, 9CI. WA 335-BS

[31232-26-5]



$C_{20}H_{21}NO$ M 291.392

Antidepressant; sedative; antihistamine. Cryst. (EtOAc). Mp 227-228°.

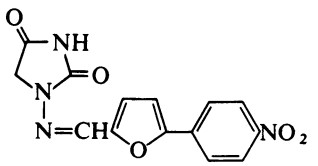
B,HCl: Mp 181° (dec.).

Fr. Pat., M6265, (*1968*); *CA*, **74**, 99722z (*synth, pharmacol*)
Engelhardt, G., *Arzneim.-Forsch.*, 1975, **25**, 1723 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12623.

Dantrolene, BAN, USAN, INN **D-00012**

1-[[[5-(4-Nitrophenyl)-2-furanyl]methylene]amino]-2,4-imidazolidinedione, 9CI. 1-[[5-(p-Nitrophenyl)-furfurylidene]amino]hydantoin, 8CI. F 368

[7261-97-4]



$C_{14}H_{10}N_4O_5$ M 314.257

Skeletal muscle relaxant. Cryst. (DMF aq.). Mp 279-280°.

▷MU3874000.

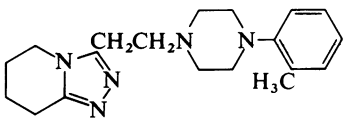
Na salt: [24868-20-0]. *Dantrolene sodium, JAN, USAN. Dantamacrin. Dantralen. Dantrium. Dantrix. F 440.* Orange powder + $3\frac{1}{2}H_2O$. Sol. alkalis.

Snyder, H.R. *et al, J. Med. Chem.*, 1967, **10**, 807 (*synth, pharmacol*)
Ellis, K.O. *et al, J. Pharm. Sci.*, 1973, **62**, 948 (*pharmacol*)
Hopkins, S.J., *Drugs of Today*, 1981, **17**, 382 (*rev, pharmacol*)
Oleinik, A.F. *et al, Khim.-Farm. Zh.*, 1984, **18**, 561 (*synth, pharmacol*)
Ward, A. *et al, Drugs*, 1986, **32**, 130 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5709.

Dapiprazole, INN **D-00013**

5,6,7,8-Tetrahydro-3-[2-(4-o-tolyl-1-piperazinyl)-ethyl]-s-triazolo[4,3-a]pyridine, 8CI

[72822-12-9]



$C_{19}H_{27}N_5$ M 325.456

Tranquilliser, antiglaucoma agent. Mp 158-160°.

B,HCl: [72822-13-0]. Cryst. (EtOH). Mp 206-207°.

Maleate (1:1): [72822-15-2]. Cryst. (EtOH). Mp 153-154°.

Ger. Pat., 2 915 318, (*1979*); *CA*, **92**, 111060 (*synth*)
Silvestrini, B. *et al, Arzneim.-Forsch.*, 1982, **32**, 668 (*pharmacol*)
Valeri, P. *et al, Pharmacol. Res. Commun.*, 1985, **17**, 417; 1986, **18**, 1093 (*metab, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19035.

Daptomycin, INN **D-00014**

Deptomycin, 9CI. LY 146032

[103060-53-3]

$C_{72}H_{101}N_{17}O_{26}$ M 1620.688

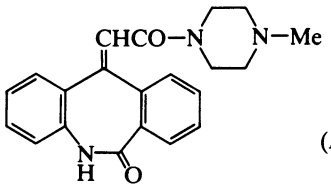
Cyclic lipopeptide antibiotic complex. Prod. by fermentation of *Streptomyces roseosporus*. Antibacterial agent.

Eur. Pat., 178 152 (*1986*); *CA*, **105**, 41258 (*isol*)
Ehlert, F. *et al, Eur. J. Clin. Pharmacol.*, 1987, **6**, 84, 91, 96, 100 (*pharmacol*)
Jones, R.N. *et al, Antimicrob. Agents Chemother.*, 1987, **31**, 625 (*pharmacol*)
Hamilton-Miller, J.M.T., *J. Antimicrob. Chemother.*, 1988, **21**, 133 (*rev*)

Darenzepine, INN **D-00015**

1-[(5,6-Dihydro-6-oxo-11H-dibenz[b,e]azepin-11-ylidene)acetyl]-4-methylpiperazine, 9CI

[90274-22-9]



(E)-form

$C_{21}H_{21}N_3O_2$ M 347.416

(E)-form [84629-61-8]

Gastric antisecretory and antiulcerogenic agent. Cryst. (EtOAc). Mp 229-231°.

(Z)-form [84629-60-7]

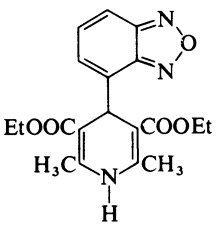
Cryst. (EtOAc). Mp 219-221°.

Eur. Pat., 61 709, (*1982*); *CA*, **98**, 89393 (*synth, pharmacol*)

Darodipine, INN **D-00016**

Diethyl 4-(4-benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate. Dazodipine. PY 108-068

[72803-02-2]



$C_{19}H_{21}N_3O_5$ M 371.392

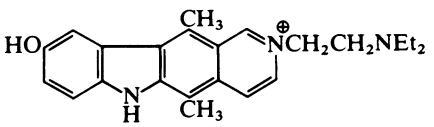
Peristaltic stimulant, coronary and peripheral vasodilator (calcium antagonist). Cryst. (toluene). Mp 153-155°.

Eur. Pat., 0 150 (*1979*); *CA*, **92**, 94404j (*synth, pharmacol*)
Hof, R.P., *Gen. Pharmacol.*, 1985, **16**, 1 (*rev, pharmacol*)
Ohno, S. *et al, Chem. Pharm. Bull.*, 1986, **34**, 1589 (*synth*)
Barres, C. *et al, Br. J. Pharmacol.*, 1988, **93**, 176 (*pharmacol*)
Ehrhardt, J.D. *et al, Biomed. Environ. Mass Spectrom.*, 1988, **15**, 525 (*ms*)

Datelliptium(1+) **D-00017**

2-[2-(Diethylamino)ethyl]-9-hydroxy-5,11-dimethyl-6H-pyrido[4,3-b]carbazolium, 9CI. 9-Hydroxy-2-(β-diethylaminoethyl)ellipticinium

[81531-57-9]



$C_{23}H_{28}N_3O^{\oplus}$ M 362.494 (ion)

Antineoplastic agent.

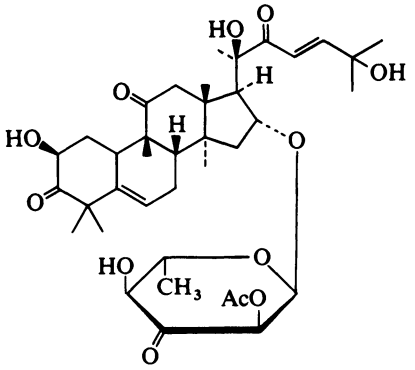
Chloride: [105118-14-7]. *Datelliptium chloride, INN.* $C_{23}H_{28}ClN_3O$ M 397.947

Acetate: [81531-58-0].

U.S.P., 4 310 667, (*1982*); *CA*, **96**, 181489 (*synth, pharmacol*)
Auclair, C. *et al, Cancer Res.*, 1987, **47**, 6254 (*pharmacol*)

Datiscoside D-00018

[36067-56-8]



$C_{38}H_{54}O_{12}$ M 702.837

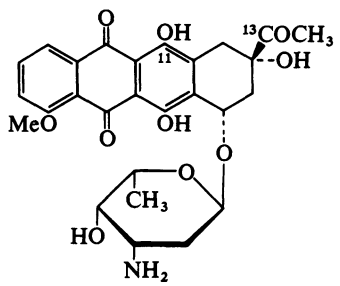
Antileukaemic principle from *Datisca glomerata*. Mp 174-175°. $[\alpha]_D^{23}$ +26° (c, 1 in $CHCl_3$).

Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 1353.
Restivo, R.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 892.

Daunomycin, 8CI D-00019

8-Acetyl-10-[(3-amino-2,3,6-trideoxy-α-L-xylohexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione, 9CI. ***Daunorubicin, BAN, INN.*** *Leukaemomycin* C. *Rubidomycin. Rubomycin* C

[20830-81-3]



$C_{27}H_{29}NO_{10}$ M 527.527

Anthracycline antibiotic. Isol. from *Streptomyces peucitius*. Antitumour agent used particularly in the treatment of leukaemia.

▷Exp. carcinogen. HB7875000.

B,HCl: [23541-50-6]. *Daunorubicin hydrochloride, JAN, USAN. Cerubidin. NSC 82151. RP 13057.* Thin red needles. Sol. H_2O. Mp 188-190°. $[\alpha]_D^{20}$ +248° (c, 0.05 in MeOH).

▷HB7878000.

Aglycone: [21794-55-8]. *8-Acetyl-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, 9CI, 8CI. Daunomycinone. Daunorubicinone. Leukaemomycinone.*

$C_{21}H_{18}O_8$ M 398.368

Mp 213-214°. $[\alpha]_D^{20}$ +193° (c, 0.1 in dioxan).

▷QI9295500.

Aglycone, tetra-Ac: [32384-96-6]. Mp 225°.

Aglycone, 6,10-dideoxy, 13-alcohol: [74178-36-2]. ***6,10-Dideoxy-13-dihydrodaunomycinone.***

$C_{21}H_{20}O_6$ M 368.385

From *S. coeruleorubidus*. Mp 245-247°.

11-Deoxy: [71800-91-4]. ***11-Deoxydaunorubicin.***

$C_{27}H_{29}NO_9$ M 511.527

Isol. from *Micromonospora* sp. nov. Shows antibacterial, cytotoxic and antileukaemic props.

11-Deoxy; B,HCl: [73890-43-4]. Mp 175-176° dec. $[\alpha]_D^{23}$ +139° (c, 0.2 in MeOH).

11-Deoxy, 13-deoxo: [71800-92-5]. ***11-Deoxy-13-deoxodaunorubicin.***

$C_{27}H_{31}NO_8$ M 497.544

Isol. from *M.* sp. nov. Antibacterial and cytotoxic agent.

11-Deoxy, 13-deoxo; B,HCl: [73890-45-6]. Mp 140-150° dec. $[\alpha]_D^{23}$ +122° (c, 0.2 in MeOH).

11-Deoxy, 13-alcohol: [71800-90-3]. ***11-Deoxy-13-dihydrodaunorubicin.***

$C_{27}H_{31}NO_9$ M 513.543

Isol. from *M.* sp. nov. Antibacterial and cytotoxic agent.

11-Deoxy, 13-alcohol; B,HCl: [73890-44-5]. Mp 163-164° dec. $[\alpha]_D^{23}$ +107° (c, 0.2 in MeOH).

13-(Benzoylhydrazide): [54083-22-6]. ***Zorubicin, INN.*** *Rubidazone.*

$C_{34}H_{35}N_3O_{10}$ M 645.665

Antineoplastic, antileukaemic agent.

▷DG3345000.

13-(Benzoylhydrazide), BHCl: [36508-71-1]. *Zorubicin hydrochloride, USAN. NSC 164011. RP 22050.* Mp 245-248°.

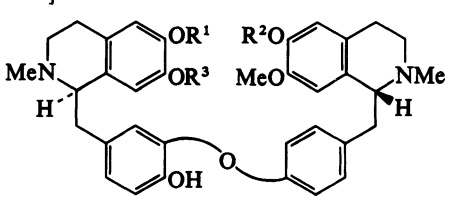
▷VL8420000.

Arcamone, F. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 5334 (*isol, struct, ir, uv, pmr*)
Arcamone, F. *et al*, *Tetrahedron Lett.*, 1968, 3353 (*abs config*)
Iwamoto, R.H. *et al*, *Tetrahedron Lett.*, 1968, 3891 (*struct, ir, uv, pmr*)
Wong, C.M. *et al*, *Can. J. Chem.*, 1973, **51**, 566 (*synth*)
Acton, E.M. *et al*, *J. Med. Chem.*, 1974, **17**, 659 (*synth, ir, uv, pmr, ms*)
Ger. Pat., 2 327 211, (*1974*); *CA*, **82**, 171381 (*Zorubicin*)
DiMarco, A. *et al*, *Antibiotics (N.Y.)*, 1975, **3**, 101 (*rev*)
Arnone, A. *et al*, *Tetrahedron Lett.*, 1976, 3349 (*cmr*)
Kende, A.S. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 1969 (*synth, ir, ms, pmr*)
Tong, G.L. *et al*, *J. Med. Chem.*, 1978, **21**, 732 (*Zorubicin*)
Van Hoff, D.D. *et al*, *Adv. Pharmacol. Chemother.*, 1978, **15**, 1 (*rev, pharmacol*)
Maral, R., *Cancer Chemother. Pharmacol.*, 1979, **2**, 31 (*pharmacol*)
Cassinelli, G. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 1462; *J. Antibiot.*, 1982, **35**, 176 (*derivs*)
Jizba, J.V. *et al*, *Collect. Czech. Chem. Commun.*, 1980, **45**, 764 (*deriv*)
Di Marco, A. *et al*, *Cancer Treat. Rep.*, 1981, **65**, 3 (*rev*)
Broadhurst, M.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 2227 (*synth*)
Kelly, T.R. (*Ed.*), *Tetrahedron*, 1984, **40**, 4569, 4575, 4585 (*Aglycones*)
White, R.J. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 569 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1828, 14032.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 852, 853.

Dauricine D-00020

6,6'-Di-O-methyldauricoline

[524-17-4]



$R^1 = R^2 = R^3 = Me$

$C_{38}H_{44}N_2O_6$ M 624.775

Alkaloid from the rhizomes of *Menispermum dauricum*, the subterranean parts of *M. canadense*, and from *Polyalthia nitidissima* (Menispermaceae, Annonaceae). Shows antiinflammatory and anaesthetic props. Weak curarising agent. Mp 115°. $[\alpha]_D$ −139° (MeOH).

▷Toxic, LD_{50} 6 mg/kg (i.p., mice)

B,2MeI: Needles (MeOH). Mp 201°. $[\alpha]_D^{20}$ −114° (c, 0.348 in H_2O).

Me ether: [2202-17-7]. **O-*Methyldauricine***.
$C_{39}H_{46}N_2O_6$ M 638.802
Alkaloid from the bark of *Colubrina asiatica* and *Popowia* cf. *cyanocarpa* (Rhamnaceae, Annonaceae). Shows activity against walker 256 carcinosarcoma. Brittle foam. $[\alpha]_D$ −128° (c, 0.06 in MeOH).

N′-De-Me: [34302-34-6]. **N′-*Demethyldauricine***. *2′-Demethyldauricine.*
$C_{37}H_{42}N_2O_6$ M 610.749
Alkaloid from the rhizomes of *M. canadense* (Menispermaceae). Unstable oil. $[\alpha]_D^{27}$ −98° (MeOH).

Me ether, 2-N-Oxide: **O-*Methyldauricine 2-N-oxide***.
$C_{39}H_{46}N_2O_7$ M 654.802
Alkaloid from the bark and leaves of *P. pisocarpa* (Annonaceae). Amorph. $[\alpha]_D$ −138° (c, 0.5 in MeOH). Isol. as an inseparable mixt. with the 2′-*N*-oxide (ratio 10:7 or 7:10).

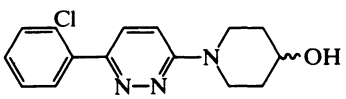
Me ether, 2′-N-Oxide: **O-*Methyldauricine 2′-N-oxide***.
$C_{39}H_{46}N_2O_7$ M 654.802
Alkaloid from the bark and leaves of *P. pisocarpa* (Annonaceae). Amorph.

Manske, R.H.F., *Can. J. Res., Sect. B*, 1943, **21**, 17 (*isol*)
Inubushi, Y. *et al*, *J. Pharm. Soc. Jpn.*, 1952, **72**, 762; *CA*, **47**, 6430d (*struct*)
Tomita, M. *et al*, *Chem. Pharm. Bull.*, 1955, **3**, 449 (*synth, O-Methyldauricine*)
Manske, R.H.F. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 1476 (*pmr*)
Johns, S.R. *et al*, *Aust. J. Chem.*, 1970, **23**, 363 (*isol, pmr, ms, config, O-Methyldauricine*)
Tschesche, R. *et al*, *Phytochemistry*, 1970, **9**, 1683 (*isol, uv, ir, pmr, ms, O-Methyldauricine*)
Doskotch, R.W. *et al*, *Lloydia*, 1971, **34**, 292 (*Demethyldauricine*)
Baldas, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 592 (*ms*)
Jossang, A. *et al*, *Planta Med.*, 1983, **49**, 20 (*isol*)
Jossang, A. *et al*, *J. Nat. Prod.*, 1986, **49**, 1018 (*oxides*)

Daxatrigine D-00021

1-[6-(2-Chlorophenyl)-3-pyridazinyl]-4-piperidinol, 9CI. CM 40907

[93181-81-8]



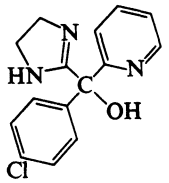
$C_{15}H_{16}ClN_3O$ M 289.764
Anticonvulsant, antiepileptic agent. Cryst. (EtOH). Mp 154-155°.

Hallot, A. *et al*, *J. Med. Chem.*, 1986, **29**, 369 (*synth, pharmacol*)
Perio, A. *et al*, *J. Pharmacol. Exp. Ther.*, 1986, **239**, 542 (*pharmacol*)

Dazadrol, INN D-00022

α-(4-Chlorophenyl)-α-(4,5-dihydro-1H-imidazol-2-yl)-2-pyridinemethanol, 9CI

[47029-84-5]



$C_{15}H_{14}ClN_3O$ M 287.748
Antidepressant.

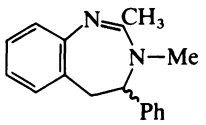
Maleate (1:1): [25387-70-6]. *Dazadrol maleate, USAN. Sch 12650.*

Lippmann, W. *et al*, *J. Pharm. Pharmacol.*, 1970, **22**, 387 (*pharmacol*)
Schmitt, H. *et al*, *Therapie*, 1971, **26**, 805 (*pharmacol*)
Lechat, P. *et al*, *Therapie*, 1971, **26**, 831 (*pharmacol*)

Dazepinil, INN D-00023

4,5-Dihydro-2,3-dimethyl-4-phenyl-3H-1,3-benzodiazepine, 9CI

[75991-50-3]



$C_{17}H_{18}N_2$ M 250.343
(±)-*form*
Antidepressant.

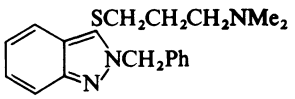
B,HCl: [80845-03-0]. *Dazepinil hydrochloride, USAN. HRP 543. P 762543.* Cryst. (EtOH/Et_2O). Mp 240-243°.

Martin, L.L. *et al*, *J. Med. Chem.*, 1982, **25**, 340, 346 (*synth, pharmacol*)

Dazidamine, INN D-00024

N,N-Dimethyl-3-[[2-(phenylmethyl)-2H-indazol-3-yl]thio]-1-propanamine, 9CI. 2-Benzyl-3-[[3-(dimethylamino)propyl]thio]-2H-indazole

[75522-73-5]



$C_{19}H_{23}N_3S$ M 325.471
Antiinflammatory agent.

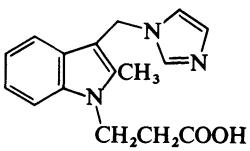
B,HCl: [77033-54-6]. Mp 150-153°.

Ger. Pat., 3 000 690, (*1980*); *CA*, **94**, 103359 (*synth, pharmacol*)

Dazmegrel, BAN, INN, USAN D-00025

3-(1H-Imidazol-1-ylmethyl)-2-methyl-1H-indole-1-propanoic acid, 9CI. UK 38485

[76894-77-4]



$C_{16}H_{17}N_3O_2$ M 283.329

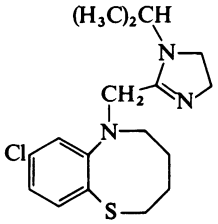
Antithrombotic; thromboxane synthetase inhibitor. Cryst. (MeOH/EtOAc). Mp 195-197°.

B.P., 2 045 244, (*1980*); *CA*, **94**, 156925g (*synth, pharmacol*)
Fischer, S. *et al*, *Circulation*, 1983, **68**, 821 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16600.

Dazolicine, INN **D-00026**

8-Chloro-6-[[4,5-dihydro-1-(1-methylethyl)-1H-imidazol-2-yl]methyl]-3,4,5,6-tetrahydro-2H-1,6-benzothiazocine, 9CI. 8-Chloro-3,4,5,6-tetrahydro-6-[(1-isopropyl-2-imidazolin-2-yl)methyl]-2H-1,6-benzothiazocine, 8CI

[61477-97-2]



$C_{17}H_{24}ClN_3S$ M 337.910
Antiarrhythmic, cardiotonic agent.

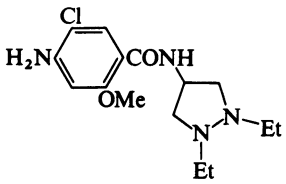
B,HCl: [24484-40-0]. *UCB B192.* Mp 232-233°. pK_a 11.58.

Ger. Pat., 1 905 525, (*1969*); *CA*, **72**, 12784h (*synth, pharmacol*)

Dazopride, INN, USAN **D-00027**

4-Amino-5-chloro-N-(1,2-diethyl-4-pyrazolidinyl)-2-methoxybenzamide, 9CI

[70181-03-2]



$C_{15}H_{23}ClN_4O_2$ M 326.825
Antiemetic, peristaltic stimulant. Cryst. (isopropyl ether). Mp 117-119°.

B,2HCl: Cryst. (EtOH/2-propanol/isopropyl ether). Mp 182-185°.

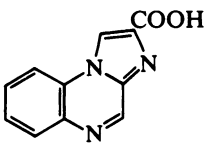
Fumarate (1:1): [81957-25-7]. *Dazopride fumarate, USAN. AHR 5531C.*

U.S.P., 4 207 327, (*1980*); *CA*, **93**, 204643s (*synth, pharmacol*)
Costall, B. *et al*, *Neuropharmacology*, 1987, **26**, 669 (*pharmacol*)
Schuurkes, J.A.J. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1987, **725**, 231, 249 (*rev, pharmacol*)

Dazoquinast, INN **D-00028**

Imidazo[1,2-a]quinoxaline-2-carboxylic acid, 9CI

[76002-75-0]



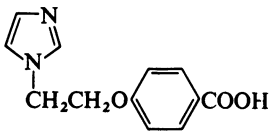
$C_{11}H_7N_3O_2$ M 213.195
Antiallergic agent. Cryst. (EtOH aq.). Mp 274-275°.

Ager, I.R. *et al*, *J. Med. Chem.*, 1988, **31**, 1098 (*synth, pharmacol*)

Dazoxiben, INN, BAN **D-00029**

4-[2-(1H-Imidazol-1-yl)ethoxy]benzoic acid, 9CI

[78218-09-4]



$C_{12}H_{12}N_2O_3$ M 232.238
Antithrombotic (inhibitor of thromboxane synthase).

B,HCl: [74226-22-5]. *Dazoxiben hydrochloride, USAN. UK-37,248-01.* Cryst. (EtOH/Et_2O). Mp 230-235° (239-241°).

Ger. Pat., 2 950 019, (*1980*); *CA*, **94**, 15731d (*synth, pharmacol*)
Iizuka, K. *et al*, *J. Med. Chem.*, 1981, **24** 1139; 1985, **28**, 1427 (*synth, pharmacol*)
Stopher, D.A. *et al*, *Xenobiotica*, 1981, **11**, 849 (*hplc*)
Tyler, H.M., *Br. J. Clin. Pharmacol.*, 1983, **15**, 13 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16613.

Deaminooxytocin **D-00030**

1-(3-Mercaptopropanoic acid)oxytocin, 9CI. ***Demoxytocin, INN.*** *Sandopart. Desaminooxytocin. ODA 914. Odeax. Sandopral*

[113-78-0]

$C_{43}H_{65}N_{11}O_{12}S_2$ M 992.173
Analogue of oxytocin, possessing high activity.

L-form

Plates (H_2O). Mp 179°. $[\alpha]_D^{20}$ −88.3° (c, 0.5 in 1*N* AcOH).

D-form

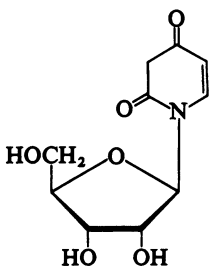
Fluffy powder. $[\alpha]_D^{20}$ +104° (c, 0.5 in 1*N* AcOH).

duVigneaud, V. *et al*, *J. Biol. Chem.*, 1960, **235**, 64 (*synth*)
Berde, B., *Advan. Exp. Med. Biol.*, 1968, **2**, 53, 101 (*synth*)
Takashima, H. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 1323 (*synth*)
Flouret, G. *et al*, *J. Med. Chem.*, 1971, **14**, 556 (*synth, isomer*)
Lebl, M. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 2540 (*biol activity*)
Wood, S.P. *et al*, *Science*, 1986, **232**, 633 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12630.

3-Deazauridine **D-00031**

4-Hydroxy-1β-D-ribofuranosyl-2(1H)-pyridinone, 9CI, 8CI. NSC 126849. WR 199830

[23205-42-7]



$C_{10}H_{13}NO_6$ M 243.216
Possess moderate activity against a number of bacterial systems *in vitro* and has a wide spectrum of anti-RNA viral activity in various cell cultures. Under investigation as an antineoplastic agent. Mp 230-232°. $[\alpha]_D^{25}$ +34.1° (c, 1.0 in H_2O). λ_{max} 278 (ε 4 470) (pH 1); 268 (6 450), 255 nm (8 280) (pH 11).

▷UV1148000.

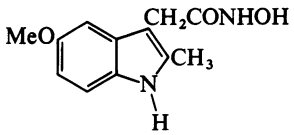
2',3',5'-Tribenzoyl: [23220-74-8].
$C_{31}H_{25}NO_9$ M 555.540
Mp 140-141°.

Robins, M.J. *et al, J. Chem. Soc., Chem. Commun.*, 1968, 1547 (*synth*)
Schwalbe, C.H. *et al, Acta Crystallogr., Sect. B*, 1973, **29**, 61 (*cryst struct*)
Cook, P.D. *et al, J. Heterocycl. Chem.*, 1977, **14**, 1295 (*synth, pmr*)
Moriconi, W.J. *et al, Invest. New Drugs*, 1986, **4**, 67 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19045.

Deboxamet, INN D-00032

N-*Hydroxy-5-methoxy-2-methyl-1*H-*indole-3-acetamide, 9CI. 5-Methoxy-2-methylindole-3-acetohydroxamic acid*

[34024-41-4]



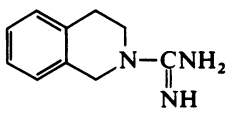
$C_{12}H_{14}N_2O_3$ M 234.254
Antiinflammatory agent. Cryst. (EtOH). Mp 172-174°.
▷NL2534000.

U.S.P., 3 624 103, (*1971*); *CA*, **76**, 72402 (*synth, pharmacol*)
De Martiis, F. *et al, Boll. Chim. Farm.*, 1975, **114**, 309 (*synth, pharmacol*)

Debrisoquine, BAN, INN D-00033

*2-Amidino-1,2,3,4-tetrahydroisoquinoline. Isocaramidine. 3,4-Dihydro-2(1*H*)-isoquinolinecarboximidamide, 9CI, 8CI*

[1131-64-2]



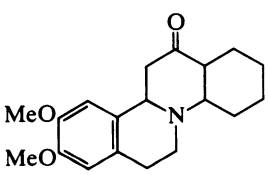
$C_{10}H_{13}N_3$ M 175.233
Antihypertensive agent.

2B,H_2SO_4: [581-88-4]. *Debrisoquine sulfate, USAN. Declinax. Equitensor. Equitonil. Giben. Pasiron* T. *Redupres. Tendor. Bonipress. Ro 5-3307/1.* Mp 278-280°. Mp. varies with humidity.
▷NW7010000.

Wenner, W., *J. Med. Chem.*, 1965, **8**, 125 (*synth, pharmacol*)
Casagrande, C. *et al, Farmaco, Ed. Sci.*, 1972, **27**, 445 (*synth*)
Bailey, D.M. *et al, J. Med. Chem.*, 1973, **16**, 151 (*pharmacol*)
Lennard, M.G. *et al, Xenobiotica*, 1986, **16**, 435 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 860.

1,2,3,4,4*a*,6,7,11*b*,12,13*a*-Decahydro-9,10-dimethoxy-13*H*-dibenzo[*a*,*f*]-quinolizin-13-one, 9CI D-00034

[61645-82-7]

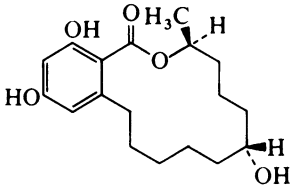


$C_{19}H_{25}NO_3$ M 315.411
Several stereoisomers characterised. Mp 153-154°, Mp 155-157°.

Oxime: [61864-30-0]. ***Benolizime, INN.***
$C_{19}H_{26}N_2O_3$ M 330.426
Tranquilliser. Mp 217-219°, Mp 218-223°, Mp 238-241°.

Ger. Pat., 2 617 440, (*1976*); *CA*, **86**, 89640e (*synth, pharmacol*)
Toth, G. *et al, Acta Chim. Acad. Sci. Hung.*, 1982, **109**, 149 (*pmr, cmr*)
Kurbako, V.Z. *et al, Zh. Prikl. Spektrosk.*, 1985, **43**, 83; *CA*, **103**, 112460b (*ir*)

3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, 9CI D-00035



Absolute configuration

$C_{18}H_{26}O_5$ M 322.400
▷DM2520000.

(*3S,7R*)-*form* [26538-44-3]
Zeranol, BAN, USAN, INN. *Zearalanol. Frideron. Ralabol. Ralgro. Ralone. Zerano. MK 188. P 1496*
Isol. from *Fusarium* spp. Obt. by redn. of Zearalenone. Anabolic agent, oestrogenic agent (mainly vet. use). Cryst. (2-propanol aq.). Mp 182-184°. $[\alpha]_D$ +46.3° (c, 1 in MeOH).
▷DM2520000.

(*3S,7S*)-*form* [42422-68-4]
Taleranol, USAN, INN. *β-Zearalenol. P 1560*
Isol. from *Fusarium* spp. Also obt. by redn. of Zearalenone. Gonadotropin inhibitor. Cryst. (2-propanol aq.). Mp 146-148°. $[\alpha]_D^{25}$ +39° (MeOH).

Bennett, G. *et al, Vet. Rec.*, 1974, **94**, 235 (*pharmacol*)
Ger. Pat., 2 328 605, (*1974*); *CA*, **81**, 3788w (*synth*)
Crawley, G.C. *et al, Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1980, **12**, 658 (*rev, pharmacol, tox*)
Galbraith, H. *et al, Vet. Res. Commun.*, 1983, **7**, 27, 35 (*pharmacol*)
Richardson, K.E. *et al, J. Agric. Food Chem.*, 1985, **33**, 862 (*isol*)
Gimeno, E.J., *Rev. Med. Vet. (Buenos Aires)*, 1986, 32 (*rev*)
Snatzke, G. *et al, Helv. Chim. Acta*, 1986, **69**, 734 (*abs config, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14027.

Decamethonium(2+) D-00036

N,N,N,N',N',N'-*Hexamethyl-1,10-decanediaminium, 9CI. Decamethylenebis[trimethylammonium], 8CI. Numerous proprietary names*

[156-74-1]

$Me_3N^{\oplus}(CH_2)_{10}N^{\oplus}Me_3$

$C_{16}H_{38}N_2^{\oplus\oplus}$ M 258.490 (ion)
Muscle relaxant.

Dibromide: [541-22-0]. *Decamethonium bromide, INN. Syncurine.*
$C_{16}H_{38}Br_2N_2$ M 418.298
Cryst. (MeOH/Me_2CO). Insol. Et_2O. Mp 268-270° dec.
▷BP5950000.

Diiodide: [1420-40-2]. *Decamethonium iodide, BAN.*
$C_{16}H_{38}I_2N_2$ M 512.299

Mp 243-246°.

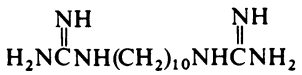
▷BP6300000.

Blomquist, A.T. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 678 (*synth*)
Sidenko, Z.S. *et al*, *Khim. Farm. Zh.*, 1968, **2**, 15 (*synth*)
v. Riezen, H., *Eur. J. Pharmacol.*, 1968, **5**, 37 (*pharmacol*)
Broen, C.C., *Acta Pharmacol. Toxicol. Suppl.*, 1972, 31 (*metab*)
Dufourcq, J. *et al*, *FEBS Lett.*, 1972, **22**, 205 (*pmr*)
Shabanowitz, J. *et al*, *Biomed. Mass Spectrom.*, 1975, **2**, 164 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5710, 5711.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4219 (*synonyms*)

1,1-Decamethylenediguanidine, 8CI D-00037

N,N‴-1,10-Decanediylbisguanidine, 9CI. 1,10-Diguanidinodecane. Anticoman. Riddobetes. Synthalin A

[111-23-9]



$C_{12}H_{28}N_6$ M 256.393

Antidiabetic agent.

B,2HCl: [301-15-5]. Cryst. (EtOH/Et_2O). Mp 193°.

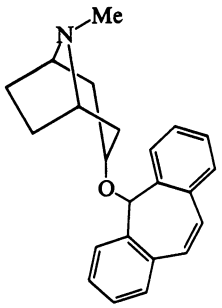
▷MF0350000.

B.P, 285 873, (*1927*); *CA*, **23**, 154 (*synth*)
Edwards, A.W., *Pharm. J.*, 1927, **119**, 293 (*synth*)
Sterne, J., *Med. Chem. Ser. Monogr.*, 1969, **9**, 193 (*rev*)

Decitropine, INN D-00038

3-(5H-Dibenzo[a,d]*cycloheptene-5-yloxy)tropane, 8CI. BS 7039*

[1242-69-9]



$C_{23}H_{25}NO$ M 331.457

Anticholinergic and antiulcer agent.

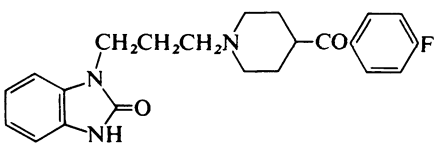
Maleate (1:1): [10139-99-8]. Mp 173-174.5°.

Ger. Pat., 1 152 410, (*1963*); *CA*, **60**, 5465f (*synth, pharmacol*)

Declenperone, INN, USAN D-00039

1-[3-[4-(4-Fluorobenzoyl)-1-piperidinyl]propyl]-1,3-dihydro-2H-benzimidazol-2-one, 9CI. R 33,204

[63388-37-4]



$C_{22}H_{24}FN_3O_2$ M 381.449

Veterinary sedative. Neuroleptic. Serotonin-S_2 antagonist. Cryst. Mp 163.9°.

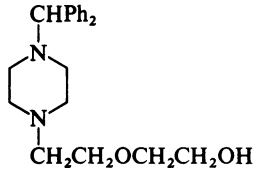
Ger. Pat., 2 645 125, (*1977*); *CA*, **87**, 102326z (*synth, pharmacol*)

Kennis, L.E.J. *et al*, *Drug Dev. Res.*, 1986, **8**, 133 (*synth, pharmacol*)

Decloxizine, INN D-00040

2-[2-[4-(Diphenylmethyl)-1-piperazinyl]ethoxy]-ethanol, 9CI. Autokar. Rescupal. UCB 1402

[3733-63-9]



$C_{21}H_{28}N_2O_2$ M 340.464

Bronchodilator. $Bp_{0.005}$ 185°.

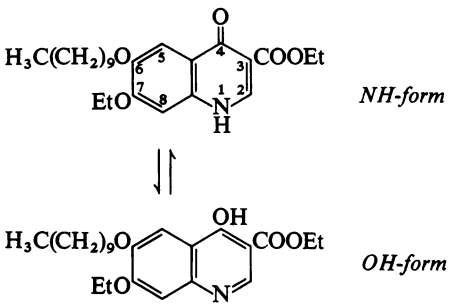
▷KK7350000.

Belg. Pat., 523 899, (*1954*); *CA*, **53**, 18071i (*synth*)
Herberg, D. *et al*, *Pharmacol. Clin.*, 1968, **1**, 54 (*pharmacol*)

Decoquinate, BAN, USAN, INN D-00041

Ethyl 6-decyloxy-7-ethoxy-4-hydroxy-3-quinolinecarboxylate. Deccox. HC 1528. M. and B. 15497

[18507-89-6]



NH-form

OH-form

$C_{24}H_{35}NO_5$ M 417.544

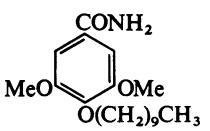
NH-Form predominates. Veterinary coccidial agent. Cryst. Mp 86-87°.

Ball, S.J. *et al*, *Chem. Ind. (London)*, 1968, 56 (*use*)
Fr. Pat., 1 531 495, (*1968*); *CA*, **71**, 70509 (*synth*)
Harris, N.D., *Synthesis*, 1972, 625 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12626.

4-(Decyloxy)-3,5-dimethoxybenzamide, 9CI, 8CI D-00042

***Decimemide, INN**. Denegyt. Egyt 1050. V 285*

[14817-09-5]



$C_{19}H_{31}NO_4$ M 337.458

Spasmolytic agent. Cryst. (MeOH). Mp 72-74°, Mp 121-122°.

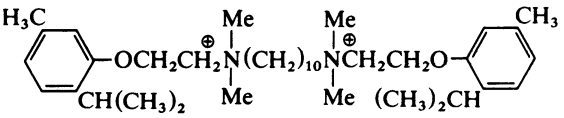
▷CV3455000.

Netherlands Pat., 6 605 460, (*1966*); *CA*, **67**, 32496r (*synth, pharmacol*)

Deditonium(2+) D-00043

N,N,N′,N′-*Tetramethyl*-N,N′-*bis*[2-[5-*methyl*-2-(1-*methylethyl*)*phenoxy*]*ethyl*]-1,10-*decanediaminium*(2+), *9CI. Decamethylenebis*[*dimethyl*[2-(*thymyloxy*)*ethyl*]]*ammonium*(2+), *8CI*

[20462-53-7]



$C_{38}H_{66}N_2O_2^{\oplus\oplus}$ M 582.952 (ion)

Antibacterial, antifungal agent.

Dibromide: [2401-56-1]. *Deditonium bromide, INN. Diaseptol.*

$C_{38}H_{66}Br_2N_2O_2$ M 742.760

Cryst. (butanone). Mp 164-165°.

Boissier, J.R. *et al, Chemotherapia*, 1966, **11**, 111; *CA*, **66**, 569 (*activity*)

Ratouis, R. *et al, Bull. Soc. Chim. Fr.*, 1966, 3823 (*synth*)

Deferoxamine, INN, USAN D-00044

N′-[5-[[4-[[5-(*Acetylhydroxyamino*)*pentyl*]*amino*]-1,4-*dioxobutyl*]*hydroxyamino*]*pentyl*]-N-(5-*aminopentyl*)-N-*hydroxybutanediamide*, *9CI.* ***Desferrioxamine, BAN.*** *Desferrin. NSC 527604*

[70-51-9]

$H_2N(CH_2)_5N(OH)COCH_2CH_2CONH(CH_2)_5N(OH)$-$COCH_2CH_2CONH(CH_2)_5N(OH)Ac$

$C_{25}H_{48}N_6O_8$ M 560.690

Isol. from *Streptomyces pilosus*. Chelating agent for iron mobilization; used as antidote to iron poisoning. Cryst. + $1H_2O$ (EtOH aq.). Mp 138-140°.

▷UG5300000.

B,HCl: [1950-39-6]. *Deferoxamine hydrochloride, USAN. Ba 29837.* Mp 172-175°.

N-*Ac:*

$C_{27}H_{50}N_6O_9$ M 602.727

Mp 180-182°.

B,MeSO₃H: [138-14-7]. *Desferrioxamine mesilate, BAN, JAN. Desferal. Ba 33112. Ciba 33112.* Cryst. (EtOH aq.). Mp 148-149°.

▷UG5310000.

Bickel, H. *et al, Helv. Chim. Acta*, 1960, **43**, 2118, 2129; 1963, **46**, 1385 (*isol, prep*)

Prelog, V. *et al, Helv. Chim. Acta*, 1962, **45**, 631 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1034.

Defibrotide, BAN, INN, 9CI D-00045

[83712-60-1]

Polydeoxyribonucleotides from bovine lung. MW 45-55,000. Antithrombotic, fibrinolytic.

Coccheri, S. *et al, Int. J. Clin. Pharmacol. Res.*, 1982, **2**, 227 (*isol, props*)

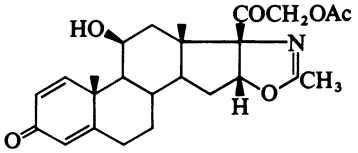
Ulutin, O.N., Ed., *Haemostasis*, 1986, **16** (*Suppl. 1*) (*book, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18626.

Deflazacort, INN, BAN, USAN D-00046

*11,21-Dihydroxy-2′-methyl-5′*H-*pregna-1,4-dieno*[17,16-d]*oxazole-3,20-dione 21-acetate, 9CI. Azacort. Deflan. Oxazacort. Lautadin. L 5458. DL-458-IT. MDL 458*

[14484-47-0]



$C_{25}H_{31}NO_6$ M 441.523

Glucocorticoid; antiinflammatory, antiallergic agent. Mp 255-256.5°. $[\alpha]_D$ +62.3°.

▷TU4157050.

Nathansohn, G. *et al, J. Med. Chem.*, 1967, **10**, 799 (*synth, pharmacol*)

Nathansohn, G. *et al, Steroids*, 1969, **13**, 365, 383 (*synth, pharmacol*)

Martinelli, E. *et al, Drug Metab. Dispos.*, 1979, **7**, 335 (*metab*)

Schiatti, P. *et al, Arzneim.-Forsch.*, 1980, **30**, 1543 (*pharmacol*)

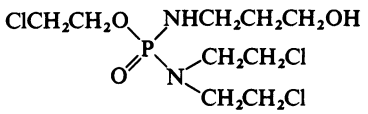
Imbimbo, B. *et al, Adv. Exp. Med. Biol.*, 1984, **171**, 9, 25, 45, 101, 149, 335 (*rev, pharmacol, metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12627.

Defosfamide, INN D-00047

2-Chloroethyl N,N-*bis*(2-*chloroethyl*)-N′-(3-*hydroxypropyl*)*phosphorodiamidate. Desmofosfamide. Mitarson. B 612-Asta*

[3733-81-1]



$C_9H_{20}Cl_3N_2O_3P$ M 341.601

Antineoplastic agent. Oily liq. Insol. H_2O.

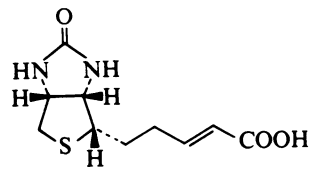
▷TD2534700.

Ger. Pat., 1 061 780, (*1959*); *CA*, **55**, 11302i (*synth, pharmacol*)

α-Dehydrobiotin D-00048

5-(*Hexahydro-2-oxo-1*H-*thieno*[3,4-d]*imidazol-4-yl*)-2-*pentenoic acid*, *9CI*, *8CI.* ***Lydimycin, USAN.*** *Lidimycin, INN. U 15965. Antibiotic U 15965*

[10118-85-1]



$C_{10}H_{14}N_2O_3S$ M 242.292

Isol. from culture filtrates of *Streptomyces lydicus*. Biotin antimetab. Antifungal agent. Needles (MeOH). Mp 238-240°, 256-257.5°. $[\alpha]_D^{25}$ +105.7° (c, 1.2 in 0.1M NaOH aq.). pK_a 4.32.

Hanka, L.J. *et al, Science*, 1966, **154**, 1667 (*isol*)

Field, G.F. *et al, J. Am. Chem. Soc.*, 1970, **92**, 3520 (*synth*)

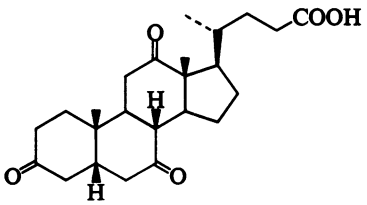
Martin, D.G. *et al, Tetrahedron Lett.*, 1971, 3791 (*synth*)

Field, G.F. *et al, J. Org. Chem.*, 1976, **41**, 3853 (*synth, ir, nmr*)

Dehydrocholic acid, BAN, INN, USAN D-00049

3,7,12-Trioxo-5β-cholan-24-oic acid. Decholin. Dehydrocholin. Atrocholin. Dilabil. Hykolex. Ketochol

[81-23-2]



$C_{24}H_{34}O_5$ M 402.530

Oxidn. prod. of cholic acid. Choleretic agent, laxative, diagnostic aid. Cryst. (Me_2CO). Mp 237°. $[\alpha]_D^{20}$ +26° (c, 1.4 in EtOH).

▷FZ2300000.

Na salt: [145-41-5]. *Dehydrocholate sodium, USAN.*

▷FZ2500000.

Et ester: [52718-49-7]. ***Ethyl dehydrocholate***. *Coledrin-Compresse. Deidrosan. Eucolil. Fluxobil. Lisacol.*

$C_{26}H_{38}O_5$ M 430.583

Choloretic agent. Mp 218-220°.

Diester with 3,3-bis(4-hydroxyphenyl)-2-oxoindole: [54063-34-2]. ***Cofisatin, INN***.

$C_{68}H_{79}NO_{11}$ M 1086.372

Laxative. Mp 235-236°.

Glycine amide: [3415-45-0]. *Dehydrocholylglycine. Glycodehydrocholic acid.*

$C_{26}H_{37}NO_6$ M 459.581

Cryst. (EtOH). Mp 246-248° dec.

Shimiza, T. *et al, Hoppe-Seylers Z. Physiol. Chem.*, 1932, **213**, 136 (*synth*)

Takeda, K. *et al, J. Pharm. Soc. Jpn.*, 1952, **72**, 1213.

Fr. Pat., 1 161 345, (*1958*); *CA*, **54**, 18552 (*Cofisatin*)

Fransson, B. *et al, Acta Pharm. Suec.*, 1975, **12**, 107 (*synth*)

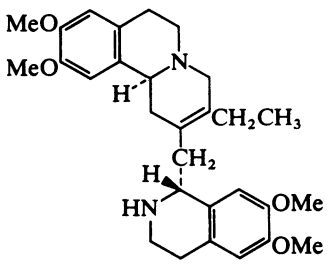
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7197 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3716.

Dehydroemetine, BAN, INN D-00050

2,3-Didehydro-6',7',10,11-tetramethoxyemetan, 9CI. Dametin. Efemetin. Mebadin. Ro 1-9334

[4914-30-1]



$C_{29}H_{38}N_2O_4$ M 478.630

Amoebicide.

▷JY5095000.

(+)-form

B,2HBr: Cryst. Mp 241-243°. $[\alpha]_D$ +95° (MeOH).

(−)-form

Cryst. (isopropyl ether). Mp 94-96°. $[\alpha]_D$ −183°.

B,2HBr: Cryst. Mp 243-245°. $[\alpha]_D$ −97° (MeOH).

(±)-form [1986-67-0]

B,HCl: Cryst. (EtOH/Et_2O). Mp 235°.

Brossi, A. *et al, Helv. Chim. Acta*, 1959, **42**, 772; 1962, **45**, 2219 (*synth, resoln*)

Blanc, F. *et al, Presse Med.*, 1961, **19**, 1548 (*pharmacol*)

Clark, D.E. *et al, J. Chem. Soc.*, 1962, 2479 (*synth*)

Sankale, M. *et al, Therapie*, 1966, **21**, 733 (*pharmacol*)

Johnson, R.K. *et al, Xenobiotica*, 1973, **3**, 85 (*metab*)

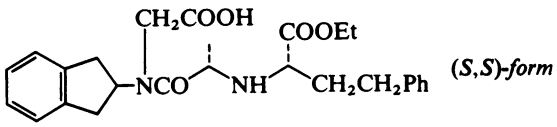
Szantay, C. *et al, Acta Chim. Acad. Sci. Hung.*, 1978, **96**, 55 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4773.

Delapril, INN D-00051

N-(2,3-Dihydro-1H-inden-2-yl)-N-(N-[1-(ethoxycarbonyl)-3-phenylpropyl]-L-alanyl]glycine, 9CI

[83398-29-2]



(*S,S*)-form

$C_{26}H_{32}N_2O_5$ M 452.549

(*S*)-form [83435-66-9]

Antihypertensive agent (ACE inhibitor).

B,HCl: [83435-67-0]. *Delapril hydrochloride, USAN. CV 3317. REV 6000A.* Plates (Me_2CO). Mp 166-170° dec. $[\alpha]_D^{22}$ +18.5° (c, 1 in MeOH).

Inada, Y. *et al, Jpn. J. Pharmacol.*, 1986, **42**, 1, 99 (*pharmacol*)

Miyake, A. *et al, Chem. Pharm. Bull.*, 1986, **34**, 2852 (*synth, pharmacol*)

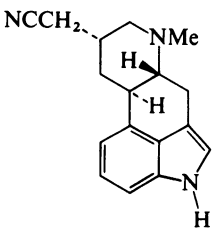
Ogihara, T. *et al, Curr. Ther. Res.*, 1987, **41**, 809 (*props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2850.

Delergotrile, INN D-00052

6-Methylergoline-8α-acetonitrile, 9CI. CM 29712

[59091-65-5]



$C_{17}H_{19}N_3$ M 265.357

Dopaminergic, antiparkinsonian agent. Mp 163-164°. $[\alpha]_D^{20}$ −73.4° (c, 0.23 in Py).

B,MeSO$_3$H: [67511-17-5]. Mp 260-265° dec. $[\alpha]_D^{20}$ −75° (c, 0.3 in Py).

Ger. Pat., 2 530 577, (*1976*); *CA*, **84**, 165094f (*synth*)

Zikán, V. *et al, Collect. Czech. Chem. Commun.*, 1976, **41**, 2761 (*synth, pharmacol*)

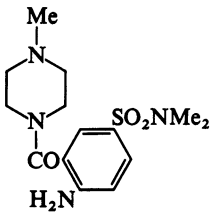
Stuetz, P.L. *et al, J. Med. Chem.*, 1978, **21**, 754 (*synth, pharmacol*)

McPherson, G.A. *et al, Eur. J. Pharmacol.*, 1983, **91**, 363; 1984, **97**, 151 (*pharmacol*)

Delfantrine, INN **D-00053**

N′,N′-Dimethyl-3-[(4-methyl-1-piperazinyl)carbonyl]-sulfanilamide, 8CI. 5-(Dimethylsulfamoyl)anthranilic acid N′-methylpiperazide. Ba 32968. Ciba 32968

[3436-11-1]



$C_{14}H_{22}N_4O_3S$ M 326.413

Analgesic, antiinflammatory agent. Mp 151-152°.

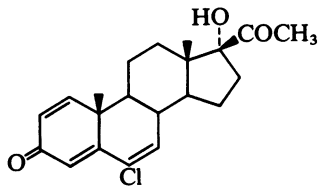
B,HCl: Mp 280-282°.

Netherlands Pat., 6 406 335, (*1964*); *CA*, **63**, 11586h (*synth, pharmacol*)

Delmadinone, BAN, INN **D-00054**

6-Chloro-17-hydroxypregna-1,4,6-triene-3,20-dione, 9CI

[15262-77-8]



$C_{21}H_{25}ClO_3$ M 360.880

Progestin.

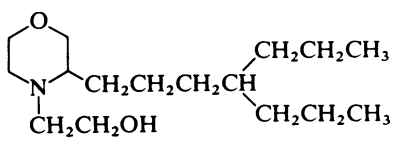
17-Ac: [13698-49-2]. ***Delmadinone acetate,*** *BAN, USAN. Delmate. Estrex. Tardak. Tardastren. Tardastrex. Zenadrex. RS 1310.* Progestin. Antiandrogen and antioestrogen. Cryst. Mp 168-170°. $[\alpha]_D$ −83° ($CHCl_3$).

Ringold, H.J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 3485 (*synth*)
Dorfman, R.I. *et al, Steroids*, 1963, **1**, 185 (*props*)
Weichert, R. *et al, Arzneim.-Forsch.*, 1967, **17**, 1103 (*props*)
Bordner, J. *et al, Cryst. Struct. Commun.*, 1978, **7**, 485 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12628.

Delmopinol, INN **D-00055**

3-(4-Propylheptyl)-4-morpholineethanol, 9CI. Decapinol

[79874-76-3]



$C_{16}H_{33}NO_2$ M 271.442

(±)-form

Antiplaque agent.

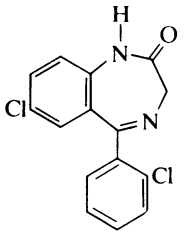
B,HCl: [98092-92-3]. Mp 70-72°.

Belg. Pat., 901 496, (*1985*); *CA*, **103**, 123490 (*synth, pharmacol*)

Delorazepam, INN **D-00056**

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one, 9CI. 2-Chlorophenyl-N-desmethyldiazepam. Ativan. RV 12165. Numerous proprietary names

[2894-67-9]



$C_{15}H_{10}Cl_2N_2O$ M 305.163

Tranquilliser, anticonvulsant. Mp 200-201°.

▷DF2367500.

3-Hydroxy: ***Lorazepam,*** *BAN, INN, JAN, USAN. 7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-2H-1,4-benzodiazepin-2-one, 9CI, 8CI.*

$C_{15}H_{10}Cl_2N_2O_2$ M 321.162

Minor tranquilliser. Mp 166-168°.

O^3-2,2-Dimethylpropanoyl: [57773-81-6]. ***Lorazepam pivalate.***

$C_{20}H_{18}Cl_2N_2O_3$ M 405.280

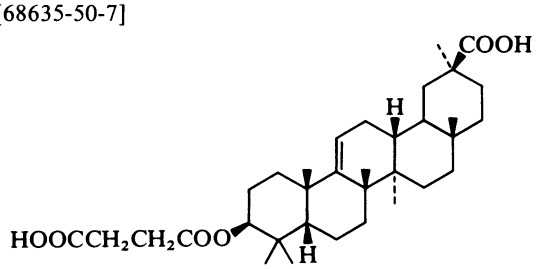
Minor tranquilliser. Cryst. (EtOH). Mp 198-201°.

Bell, S.C. *et al, J. Med. Chem.*, 1968, **11**, 457 (*synth, Lorazepam*)
Ger. Pat., 2 519 318, (*1974*); *CA*, **84**, 31152 (*pivalate*)
Bandoli, G. *et al, J. Chem. Soc., Perkin Trans. 2*, 1976, 413 (*cryst struct*)
Elliott, H.W., *Br. J. Anaesth.*, 1976, **48**, 1017 (*rev, metab, Lorazepam*)
Bogatskii, A.V. *et al, Khim.-Farm. Zh.*, 1977, **11**, 85 (*synth*)
De Angelis, L., *Drugs of Today*, 1979, **15**, 173 (*rev*)
Kovac, T. *et al, J. Heterocycl. Chem.*, 1979, **16**, 1449 (*synth, Lorazepam*)
Rutgers, J.G. *et al, Anal. Profiles Drug Subst.*, 1980, **9**, 397 (*rev, Lorazepam*)
Ameer, B. *et al, Drugs*, 1981, **21**, 161 (*rev, Lorazepam*)
Chananont, P. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1371 (*cryst struct*)
Quaglio, M.P. *et al, Farmaco, Ed. Prat.*, 1981, **36**, 487 (*glc*)
Comer, W.H. *et al, Semin. Anesth.*, 1982, **1**, 33 (*rev, Lorazepam*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3405 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7060, 12552.

Deloxolone, INN **D-00057**

3-(3-Carboxy-1-oxopropoxy)olean-9(11)-en-29-oic acid, 9CI

[68635-50-7]



$C_{34}H_{52}O_6$ M 556.781

Antiulcerogenic agent. Cryst. (EtOH). Mp 314-316° dec. $[\alpha]_D^{21}$ +79.2° (c, 0.2 in $CHCl_3$/MeOH). Used as di-Na salt.

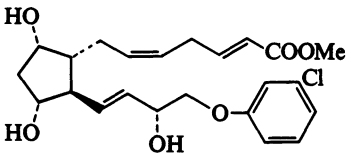
Di-Na salt: [68635-51-8]. *Deloxolone sodium.* Mp 320-330° dec. $[\alpha]_D^{25}$ +72.54° (c, 0.5 in MeOH).

Ger. Pat., 2 811 253, (*1978*); *CA*, **90**, 23334 (*synth, pharmacol*)

Delprostenate, BAN, INN **D-00058**

7-[2-[4-(3-Chlorophenoxy)-3-hydroxy-1-butenyl]-3,5-dihydroxycyclopentyl]-2,5-heptadienoic acid methyl ester, 9CI

[62524-99-6]



$C_{23}H_{29}ClO_6$ M 436.932

Veterinary luteolytic agent.

▷MI5242000.

Hayashi, M. *et al, J. Med. Chem.*, 1980, **23**, 525 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8078.

Demanyl phosphate **D-00059**

Phosphoric acid mono[2-(dimethylamino)ethyl] ester, 9CI. Mono-2-dimethylaminoethanol dihydrogen phosphate. Phosphoryldimethylaminoethanol. Phosphoryldimethylcholamine. Phosphoryldimethylethanolamine. PDMEA. Panclar. Pantos

[6909-62-2]

$Me_2NCH_2CH_2OP(O)(OH)_2$

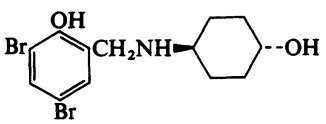
$C_4H_{12}NO_4P$ M 169.117

Isol. from a choline-requiring mutant of *Neurospora crassa*. Psychotonic agent. Cryst. + $1H_2O$ (EtOH). Mp 78-81° (anhyd. 175-176°).

Cherbuliez, E. *et al, Helv. Chim. Acta*, 1956, **41**, 1168 (*synth*)
Wolf, B. *et al, J. Biol. Chem*, 1959, **234**, 1068 (*synth, isol*)
Ansell, G.B. *et al, Biochem. J.*, 1966, **98**, 303 (*pharmacol*)
Taguchi, Y. *et al, J. Org. Chem.*, 1975, **40**, 2310 (*synth*)
Miyazaki, H. *et al, Chem. Pharm. Bull.*, 1976, **24**, 763 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12624.

Dembrexine, INN **D-00060**

2,4-Dibromo-6-[[(4-hydroxycyclohexyl)amino]methyl]-phenol, 9CI. 4-[(3,5-Dibromosalicyl)amino]-cyclohexanol. Dembrexol



$C_{13}H_{17}Br_2NO_2$ M 379.091

trans-form [83200-09-3]

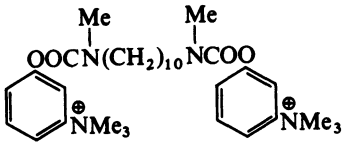
Drug aiding antibiotic absorption. Secretolytic.

B,HCl: [52702-51-9]. *Sputolysin. N-A 1523Cl.* Mp 212-218°.

Ger. Pat., 2 251 891, (*1974*); *CA*, **81**, 25327 (*synth, pharmacol*)
Eur. Pat., 88 943, (*1983*); *CA*, **100**, 12644j (*synth, pharmacol*)
Bauer, E. *et al, Xenobiotica*, 1986, **16**, 625 (*metab*)

Demecarium(2+) **D-00061**

3,3'-[1,10-Decanediylbis[(methylimino)carbonyloxy]]-bis[N,N,N-trimethylbenzenaminium], 9CI. (m-*Hydroxyphenyl)trimethylammonium decamethylenebis-[methylcarbamate] (2:1) ester, 8CI*



$C_{32}H_{52}N_4O_4^{\oplus\oplus}$ M 556.787 (ion)

Ophthalmic cholinergic agent. Used to treat glaucoma.

Dibromide: [56-94-0]. *Demecarium bromide, INN, BAN, JAN. Frumtosnil. Humorsol. Tonilen. Tosmicil. Tosmilen. Visumatic. Visumistic. BC 48.*

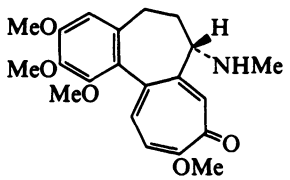
$C_{32}H_{52}Br_2N_4O_4$ M 716.595

Hygroscopic powder. Insol. Et_2O, sl. sol. Me_2CO. Mp 162-167° dec.

Austrian Pat., 195 439, (*1958*); *CA*, **52**, 9223d (*synth*)
Joshi, L.D. *et al, J. Pharm. Pharmacol.*, 1964, **16**, 763 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4512.

Demecolcine, BAN, INN **D-00062**

N-*Methyldeacetylcolchicine. Alkaloid* F. *Colchamine. Colcemid. Kolkamin. Omain. Santavy's Substance F. Ciba 12669*A. *NSC 3096*



Absolute configuration

$C_{21}H_{25}NO_5$ M 371.432

▷GH0800000.

(***S*)-form** [477-30-5]

Alkaloid from *Colchicum speciosum*, several other *C.* spp. and *Merendera jolantae* (Liliaceae). Antineoplastic and antimitotic agent. Mp 186°. $[\alpha]_D^{23}$ −129° (c, 1.02 in $CHCl_3$).

▷Exp. teratogen. GH0800000.

N-*Formyl:* [14686-61-4]. **N-*Formyldemecolcine***. *Alkaloid CC-19.*

$C_{22}H_{25}NO_6$ M 399.443

Alkaloid from the seeds of *C. cornigerum* (Liliaceae). Pale-yellow prisms ($MeOH/Et_2O$). $[\alpha]_D^{22}$ −189° (c, 1.0192 in $CHCl_3$), $[\alpha]_D^{22}$ −202° (c, 0.79 in EtOH).

▷GH0795000.

N-*Ac:* N-*Methylcolchicine*. Mp 199-200°, Mp 233-235° (double Mp). $[\alpha]_D^{20}$ −251° (c, 1.17 in $CHCl_3$).

N-*Me:* [7336-44-9]. **N-*Methyldemecolcine***. *Alkaloid CC-5.*

$C_{22}H_{27}NO_5$ M 385.459

Alkaloid from seeds, leaves, stems and flowers of *C. cornigerum* (Liliaceae). Pale-yellow prisms ($EtOAc/Et_2O$). Mp 208-210° (205-208°). $[\alpha]_D^{22}$ −104° (c, 0.678 in $CHCl_3$), $[\alpha]_D^{20}$ −111° (c, 1.78 in $CHCl_3$).

▷GH0792000.

O^2-*De-Me:* [7359-91-3].

2-Demethyldemecolcine. *Substance* S.
$C_{20}H_{23}NO_5$ M 357.405
Alkaloid from *C. autumnale, C. hierosolymnitanum, C. speciosum, C. latifolium, M. persica* and *M. robusta* (Liliaceae). Pale-yellow plates ($MeOH/Et_2O$). Mp 136-138°. $[\alpha]_D^{22}$ −119° (c, 1.00 in $CHCl_3$).

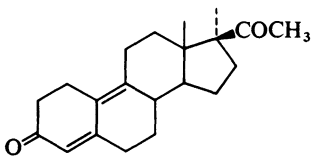
O^3-*De-Me:* [2034-50-6]. ***3-Demethyldemecolcine***.
$C_{20}H_{23}NO_5$ M 357.405
Alkaloid from the corms and leaves of *C. cornigerum* (Liliaceae). Mp 220-222°. $[\alpha]_D^{22}$ −128° (c, 0.888 in $CHCl_3$).

(±)-*form* [102491-77-0]
Cryst. ($MeOH/Et_2O$). Mp 178-179°.

Šantavý, F., *Pharm. Acta Helv.*, 1950, **25**, 248 (*isol*)
Šantavý, F. *et al*, *Helv. Chim. Acta*, 1953, **36**, 1319 (*struct, ir*)
Šantavý, F. *et al*, *Collect. Czech. Chem. Commun.*, 1954, **19**, 141 (*2-Demethyldemecolcine*)
Uffer, A. *et al*, *Helv. Chim. Acta*, 1954, **37**, 18 (*synth, uv*)
Šantavý, F., *Collect. Czech. Chem. Commun.*, 1959, **24**, 2237 (*2-Demethyldemecolcine*)
Saleh, M. *et al*, *Collect. Czech. Chem. Commun.*, 1963, **28**, 3413 (*N-Methyldemecolcine, 3-Demethyldemecolcine*)
Potěšilová, H. *et al*, *Collect. Czech. Chem. Commun.*, 1969, **34**, 3540 (*N-Formyldemecolcine*)
Kselev, V.V. *et al*, *Khim. Prir. Soedin.*, 1974, 535; *CA*, **82**, 16965x (*pmr*)
Margulis, T.N. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 899 (*cryst struct*)
Capraro, H.-G. *et al*, *Helv. Chim. Acta*, 1979, **62**, 965 (*uv, ir, pmr, ms, N-Methyldemecolcine*)
Hufford, C.D. *et al*, *Helv. Chim. Acta*, 1980, **63**, 50 (*pmr, cmr, N-Methyldemecolcine*)
Hrbek, J. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 2258 (*cd*)
Dumont, R. *et al*, *J. Org. Chem.*, 1986, **51**, 2515 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1829.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 503.

Demegestone, INN D-00063

17-Methyl-19-nor-4,9-pregnadiene-3,20-dione, 9CI. 17-Methyl-Δ^9-19-norprogesterone. Lutionex. R 2453
[10116-22-0]

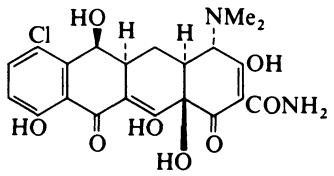


$C_{21}H_{28}O_2$ M 312.451
Progestin. $[\alpha]_D^{20}$ −270° (c, 0.44 in EtOH).

Netherlands Pat., 6 517 141, (*1966*); *CA*, **65**, 15471e (*synth, pharmacol*)
Velluz, L. *et al*, *Tetrahedron*, 1966, Suppl. 8, 495 (*synth, props*)
Joly, R. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 2694 (*synth*)
Courseille, C. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 2290 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12629.

6-Demethyl-7-chlorotetracycline D-00064

7-Chloro-4-dimethylamino-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-1,11-dioxonaphthacene-2-carboxamide, 9CI. ***Demeclocycline, BAN, INN***. *Ledermycin. Declomycin. Bioterciclin. Deganol. Pericicline. RP 10192. Numerous proprietary names*
[127-33-3]



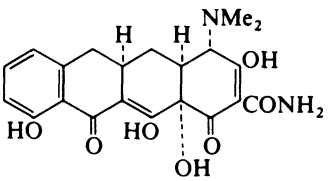
$C_{21}H_{21}ClN_2O_8$ M 464.859
Tetracycline antibiotic. Prod. by a mutant strain of *Streptomyces aureofaciens*. Clinically used antibacterial agent. Activity similar to Chlorotetracycline but more stable. Sesquihydrate. Mp 174-178° dec. $[\alpha]_D^{25}$ −258° (c, 0.5 in 0.1N H_2SO_4). Useful starting material for semisynthetic tetracyclines.
▷QI7650000.

B,HCl: [64-73-3]. *Demeclocycline hydrochloride, USAN. Demetracicline. Detravis. Meciclin. Mexocine. Clortetrin.*
▷QI7700000.

McCormick, J.R.D. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4561 (*synth*)
Dobrynin, V.N. *et al*, *Tetrahedron Lett.*, 1962, 901 (*abs config*)
Neidleman, S.L. *et al*, *Biochim. Biophys. Acta*, 1963, **41**, 199 (*biosynth*)
Rosenblatt, J.E. *et al*, *Antimicrob. Agents Chemother.*, 1966, 134 (*props*)
Goldenthal, E.I., *Toxicol. Appl. Pharmacol.*, 1971, **18**, 185 (*tox*)
Asleson, G.L. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 6246 (*cmr*)
Palenik, G.J. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 4458 (*cryst struct*)
Casy, A.F. *et al*, *J. Pharm. Biomed. Anal.*, 1983, **1**, 281 (*pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6058 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 65, 66.

6-Demethyl-6-deoxytetracycline D-00065

Sancycline, USAN, INN. *Bonomycin. Norcycline. GS 2147. NSC 51812*



$C_{21}H_{22}N_2O_7$ M 414.414
Semisynthetic tetracycline antibiotic.

(−)-*form* [808-26-4]
Semisynthetic tetracycline derived from demethyltetracyclines by hydrogenolysis. Clinically used antibacterial agent, more acid-stable than other tetracyclines.

B,HCl: [6625-20-3]. Mp 224-225° dec. $[\alpha]_D^{25}$ −102° (c, 1 in 0.01N HCl).

(±)-*form*

B,HCl: Pale-yellow prisms or rods + $\frac{1}{2}H_2O$. Mp 225-226°.

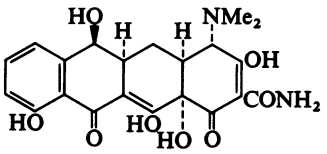
McCormick, J.R.D. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3381 (*synth*)

Conover, L.H. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3222 (*synth*)
Hlavka, J.J. *et al*, *J. Org. Chem.*, 1962, **27**, 3674 (*synth, props*)
Benbough, J. *et al*, *J. Pharm. Pharmacol.*, 1965, **17**, 409 (*props*)
Korst, J.J. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 439 (*synth*)
U.S.P., 3 502 696, (*1970*); *CA*, **73**, 3707d (*synth*)
Ger. Pat., 2 232 900, (*1973*); *CA*, **78**, 97393b (*synth*)

6-Demethyltetracycline D-00066

Demecycline, INN, USAN. *RP 6798. Antibiotic RP 6798. CL 22415*

[987-02-0]



$C_{21}H_{22}N_2O_8$ M 430.413

Tetracycline. Isol. from a mutant strain of *Streptomyces aureofaciens* and prepared by halogenolysis of 6-Demethyl-7-chlorotetracycline, D-00064 . Antibacterial; shows similar biol. activity to 6-Demethyl-7-chlorotetracycline, D-00064 .

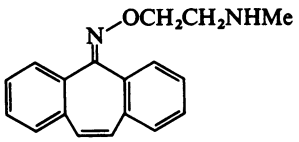
B,HCl: Cryst. + $\frac{1}{2}H_2O$. Mp 203-209° dec. $[\alpha]_D$ −259° (c, 0.5 in 0.1N H_2SO_4).

McCormick, J.R.D. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4561; 1963, **85**, 1692.
Webb, J.S. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4564 (*synth*)
Scandellari, G. *et al*, *CA*, 1965, **62**, 11749b (*rev, props, synth*)
Fr. Pat., 1 553 651, (*1969*); *CA*, **72**, 111168s (*synth*)

Demexiptiline, INN D-00067

5H-Dibenzo[a,d]*cyclohepten-5-one* O-[*2-(methylamino)ethyl*]*oxime, 8CI. Déparon*

[24701-51-7]



$C_{18}H_{18}N_2O$ M 278.353

Anticataleptic and antidepressant drug.

B,HCl: [18059-99-9]. Mp 230°.

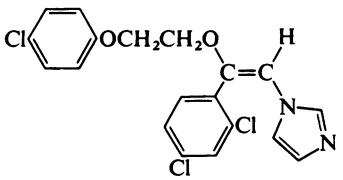
▷HP1330000.

Ger. Pat., 1 247 302, (*1967*); *CA*, **68**, 104842w (*synth, pharmacol*)
Aichinger, G. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 838 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3933.

Democonazole, INN D-00068

1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)ethenyl]-1H-imidazole, 9CI. 1-[2,4-Dichloro-β-[2-(p-chlorophenoxy)ethoxy]styryl]-imidazole

[70161-09-0]



$C_{19}H_{15}Cl_3N_2O_2$ M 409.699

(*E*)-*form*

Fungicide.

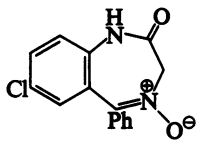
B,HNO₃: [74287-36-8]. Cryst. Mp 115.5-118.5°.

Ger. Pat., 2 839 388, (*1980*); *CA*, **93**, 46678a (*synth, pharmacol*)

Demoxepam, INN, USAN D-00069

7-Chloro-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one 4-oxide, 9CI, 8CI. Nordazepam oxide. NSC 46077. Ro 5-2092

[963-39-3]



$C_{15}H_{11}ClN_2O_2$ M 286.717

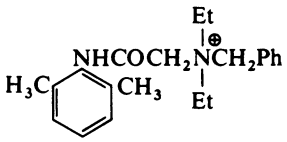
Tranquilliser. Cryst. (CH_2Cl_2/hexane). Mp 239-241°.

▷DF1925000.

Sternbach, L.H. *et al*, *J. Org. Chem.*, 1961, **26**, 4936 (*synth*)
Randell, L.O. *et al*, *Curr. Ther. Res. Exp. Clin.*, 1965, **7**, 590 (*pharmacol*)
Sadee, W., *Arch. Pharm.* (*Weinheim, Ger.*), 1969, **302**, 769 (*pmr*)
Schwartz, M.A. *et al*, *J. Pharm. Sci.*, 1970, **59**, 1569; 1971, **60**, 438 (*metab*)
Vane, F., *Arch. Mass Spectral Data*, 1971, **2**, 712 (*ms*)
Robichaud, R.C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1974, **211**, 165 (*pharmacol*)
Walser, A. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 619 (*synth*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Kovar, K.A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1983, **316**, 834 (*cmr*)

Denatonium(1+) D-00070

N-[*2-[(2,6-Dimethylphenyl)amino]-2-oxoethyl*]-N,N-*diethylbenzenemethanaminium, 9CI. Benzyldiethyl*[*(2,6-xylylcarbamoyl)methyl*]*ammonium, 8CI*



$C_{21}H_{29}N_2O^{\oplus}$ M 325.473 (ion)

Denaturant for toiletries; deterrent to ingestion of toxic substances.

Benzoate: [3734-33-6]. *Denatonium benzoate, BAN, INN, USAN. Lidocaine benzylbenzoate. Bitrex. Denaton. Indigestin. NSC 157658. THS 839. Win 16568.*
$C_{28}H_{34}N_2O_3$ M 446.588
Bitter-tasting cryst. (EtOAc/2-propanol). Sol. H_2O, insol. Et_2O. Mp 166-170°.

▷BO6650000.

U.S.P., 3 080 327, (*1962*); *CA*, **59**, 7429 (*synth*)
Glover, M.J. *et al*, *Analyst* (*London*), 1972, **97**, 891 (*use*)
Fr. Pat., 2 504 922, (*1982*); *CA*, **99**, 38064 (*synth, cryst, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 533.

Denaverine, INN D-00071

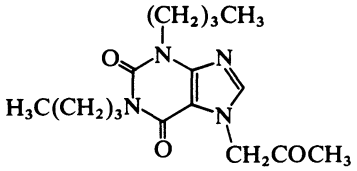
α-(*2-Ethylbutoxy*)-α-*phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester, 9CI. 2-(Dimethylamino)-ethyl (2-ethylbutoxy)diphenylacetate, 8CI. Spasmalgan. X 60*

[3579-62-2]

$H_3CCH_2CH(CH_2CH_3)CH_2OCPh_2COOCH_2CH_2NMe_2$

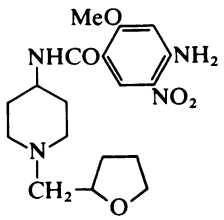
$C_{24}H_{33}NO_3$ M 383.530
Spasmolytic agent.
B,HCl: [3321-06-0]. Mp 143°.
Ger. Pat., 1 232 962, (*1967*); *CA*, **67**, 32495q (*synth, tox, pharmacol*)

Denbufylline, BAN, INN **D-00072**
1,3-Dibutyl-3,7-dihydro-7-(2-oxopropyl)-1H-purine-2,6-dione, 9CI. BRL 30892
[57076-71-8]



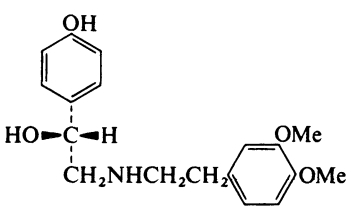
$C_{16}H_{24}N_4O_3$ M 320.391
Phosphodiesterase inhibitor, peripheral vasodilator. Cryst. (pet. ether/EtOH). Mp 106°.
B.P., 1 441 562, (*1976*); *CA*, **83**, 179125h (*synth*)
Angersbach, D. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1274 (*pharmacol*)

Denipride, INN **D-00073**
*4-Amino-2-methoxy-5-nitro-*N-*[1-[(tetrahydro-2-furanyl)methyl]-4-piperidinyl]benzamide, 9CI*
[106972-33-2]



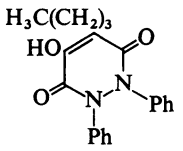
$C_{18}H_{26}N_4O_5$ M 378.427
(±)-*form*
Gastrointestinal agent.
Fumarate: [108225-85-0]. Mp 202-204°.
Eur. Pat., 213 775, (*1987*); *CA*, **106**, 213581j (*synth, pharmacol*)

Denopamine, INN **D-00074**
*α-[[[2-(3,4-Dimethoxyphenyl)ethyl]amino]methyl]-4-hydroxybenzenemethanol, 9CI. α-[[(3,4-Dimethoxyphenethyl)amino]methyl]-*p*-hydroxybenzyl alcohol. Detpamine. Kalgul. TA 064*



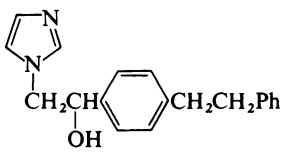
$C_{18}H_{23}NO_4$ M 317.384
***(R)*-form** [71771-90-9]
Cardiotonic agent. Mp 130-140°.
B,HCl: [64299-19-0]. Needles. Mp 138-139.5°. $[\alpha]_D^{25}$ −38° (c, 1 in MeOH).
Umino, N. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1479 (*synth, ir, ms*)
Nagao, T. *et al*, *Jpn. J. Pharmacol.*, 1984, **35**, 415 (*pharmacol*)
Furuuchi, S. *et al*, *Drug Metab. Dispos.*, 1985, **13**, 620 (*metab*)
Furuuchi, S. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 643, 652, 656, 665, 1063 (*pharmacol*)
Ikezaki, M. *et al*, *Yakugaku Zasshi*, 1986, **106**, 80 (*synth, abs config*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19049.

Denpidazone, INN **D-00075**
4-Butyl-1,2-dihydro-5-hydroxy-1,2-diphenyl-3,6-pyridazinedione, 9CI
[42438-73-3]



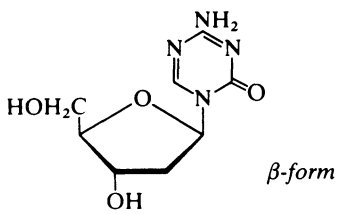
$C_{20}H_{20}N_2O_3$ M 336.390
Muscle relaxant. Mp 134-135°.
Diethanolamine salt: Mp 120-122°.
Piperidine salt: Mp 148-149°.
Ger. Pat., 2 155 001, 2 155 002, (*1973*); *CA*, **79**, 32074, 32077 (*synth*)

Denzimol, INN **D-00076**
α-[4-(2-Phenylethyl)phenyl]-1H-imidazole-1-ethanol, 9CI
[73931-96-1]



$C_{19}H_{20}N_2O$ M 292.380
(±)-*form*
Spasmolytic agent, anticonvulsant. Cryst. (EtOH). Mp 165-166°.
B,HCl: [77234-90-3]. Cryst. (EtOH). Mp 194-196°.
Ger. Pat., 2 929 777, (*1980*); *CA*, **93**, 71773 (*synth, pharmacol, tox*)
Nardi, D. *et al*, *J. Med. Chem.*, 1981, **24**, 727 (*synth, pharmacol*)
Graziani, G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1155, 1161, 1168 (*pharmacol, tox*)
Bertin, D. *et al*, *J. Chromatogr.*, 1986, **378**, 147 (*hplc*)
Tajana, A. *et al*, *Boll. Chim. Farm.*, 1986, **125**, 7 (*rev, anal*)
Testa, R. *et al*, *Curr. Probl. Epilepsy*, 1986, **4**, 85 (*rev*)

2′-Deoxy-5-azacytidine **D-00077**
5-Aza-2′-deoxycytidine

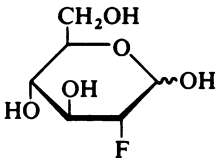


β-form

$C_8H_{12}N_4O_4$ M 228.207
***α*-form** [22432-95-7]
Cryst. (MeOH). Mp 181°. $[\alpha]_D^{29}$ −40.8° (c, 1.0 in H_2O).

β-form [2353-33-5]
Decitabine, *BAN, INN, USAN. NSC 127716*
Antineoplastic agent; inhibits DNA methylation. Cryst. (MeOH). Mp 191° dec. $[\alpha]_D^{29}$ +63.8° (c, 1.00 in H_2O).
▷XZ3012000.
Winkley, M.W. *et al, J. Org. Chem.*, 1970, **35**, 491 (*synth, uv, ir, pmr*)
Srivastava, P.C. *et al, J. Heterocycl. Chem.*, 1981, **18**, 1659 (*pmr*)
Ben-Hattar, J. *et al, J. Org. Chem.*, 1986, **51**, 3211 (*synth, pmr, bibl*)

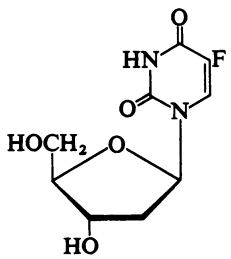
2-Deoxy-2-fluoroglucose, 9CI D-00078



$C_6H_{11}FO_5$ M 182.148
D-form [29702-43-0]
Inhibitor of the fowl plague virus in chicken embryo cells. Mp 160-165°, 170-176°. $[\alpha]_D$ +37° → +62° (H_2O).
α-D-form
1,3,4,6-Tetra-Ac:
$C_{14}H_{19}FO_9$ M 350.297
Mp 78-79°. $[\alpha]_D^{24}$ +146° (c, 1 in $CHCl_3$).
β-D-Pyranose-form
Me glycoside, tri-Ac: [39110-57-1]. *Methyl 3,4,6-tri-O-acetyl-2-deoxy-2-fluoro-β-D-glucopyranoside.*
$C_{13}H_{19}FO_8$ M 322.287
Mp 128-129°.
Me glycoside, 4,6-O-benzylidene, 3-Me:
$C_{15}H_{19}FO_5$ M 298.311
Mp 108°.
Adamson, J. *et al, J. Chem. Soc., Chem. Commun.*, 1969, 309 (*synth, pmr*)
Pacak, J. *et al, Collect. Czech. Chem. Commun.*, 1972, **37**, 2589.
Schmidt, M.F.G. *et al, J. Virol.*, 1976, **18**, 819 (*biochem*)
Levy, S. *et al, J. Chem. Soc., Chem. Commun.*, 1982, 972 (*β-glycoside*)
Tewson, T.J., *J. Org. Chem.*, 1983, **48**, 3507 (*synth, glycoside tri-Ac*)
Adam, M.J. *et al, Carbohydr. Res.*, 1983, **124**, 215 (*tetra-Ac*)
Haradahira, T. *et al, Chem. Pharm. Bull.*, 1985, **33**, 165 (*synth*)

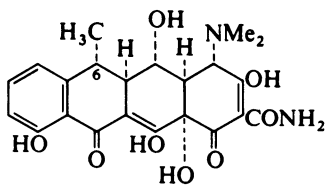
2'-Deoxy-5-fluorouridine, 9CI, 8CI D-00079

1-(2-Deoxy-β-D-ribofuranosyl)-5-fluorouracil. ***Floxuridine,*** *USAN, INN. Fluoruridindeoxyribose. FUDR. NSC 27640*
[50-91-9]



$C_9H_{11}FN_2O_5$ M 246.195
Antiviral, antineoplastic agent. Particularly effective against gastrointestinal and breast carcinomas. Cryst. (butyl acetate). Mp 150-151° (145°). $[\alpha]_D$ +37° (H_2O), +48.6° (DMF). λ_{max} 268 (ε 7 570) (pH 7.2), 270 nm (6 480) (pH 14). The α-form has Mp 150-1°, $[\alpha]_D^{25}$ −21° (c, 2.0 in H_2O).
▷Exp. teratogen. YU7525000.
3'-Ac:
$C_{11}H_{13}FN_2O_6$ M 288.232
Mp 200-201°.
5'-Ac: [1549-81-1].
$C_{11}H_{13}FN_2O_6$ M 288.232
Mp 146°.
3'-Ac, 5'-mesyl: [27095-26-7]. Mp 134-134.5°.
3'-Mesyl: [1549-81-1]. Mp 158° (161-162°) dec. $[\alpha]_D^{25}$ +32° (c, 0.57 in EtOH). λ_{max} 267.5 nm (ε 9 486) (MeOH).
3',5'-Ditosyl: [7585-89-9]. Mp 229°. $[\alpha]_D$ −17° (Py).
3'-Me:
$C_{10}H_{13}FN_2O_5$ M 260.222
Mp 146°.
5'-Me:
$C_{10}H_{13}FN_2O_5$ M 260.222
Mp 163°.
5'-Trityl: [10343-71-2]. Mp 196-197°. $[\alpha]_D^{23}$ +49° (c, 0.6 in EtOH). λ_{max} 257 nm (EtOH).
5'-Phosphate: FUDRP.
$C_9H_{12}FN_2O_8P$ M 326.175
Inhibitor of DNA synthesis.
Hoffer, M. *et al, J. Am. Chem. Soc.*, 1959, **81**, 4112.
Lemieux, R.U. *et al, Can. J. Chem.*, 1961, **39**, 110 (*struct, pmr*)
Sundaralingam, M., *J. Am. Chem. Soc.*, 1965, **87**, 599 (*conformn, cryst struct*)
Khwaja, T.A. *et al, J. Med. Chem.*, 1967, **10**, 1066; 1970, **13**, 64 (*synth*)
Robins, M.J. *et al, J. Am. Chem. Soc.*, 1971, **93**, 5277 (*synth, uv, ir, ms*)
Brokes, J. *et al, Collect. Czech. Chem. Commun.*, 1979, **44**, 439 (*synth*)
Schwarz, B. *et al, Collect. Czech. Chem. Commun.*, 1980, **45**, 3217 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1835.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 538.

6-Deoxy-5-hydroxytetracycline D-00080



6α-*form*

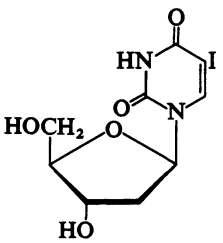
$C_{22}H_{24}N_2O_8$ M 444.440
Semisynthetic tetracycline.
6α-form [564-25-0]
Doxycycline, *BAN, USAN, INN. Vibramycin. Liviatin. GS 3065. Numerous proprietary names*
Clinically used broad-spectrum antibiotic more active than 6β-epimer.
▷QI8650000.
B,HCl: [24390-14-5]. *Doxycycline hyclate. Hydramycin. Liomycin. Tanamicin.* Light-yellow powder + $\frac{1}{2}H_2O$ + ½EtOH (EtOH/HCl). Mp ca. 201° (chars). $[\alpha]_D^{25}$ −109° (c, 1 in 0.1N HCl/MeOH). λ_{max} 267 (log ε 4.24) and 351 nm (4.12) (HCl/MeOH).
Compd. with Metaphosphoric acid (3:1); Na salt: [83038-87-3]. *Doxycycline fosfatex, BAN. AB 08.* Possesses improved bioavailability.
6β-form [3219-99-6]
Obt. by hydrogenation of Oxytetracycline. Activity ca. ⅓that of Oxytetracycline.
B,HCl: Mp 250-251° dec. $[\alpha]_D^{25}$ −251° (0.1N H_2SO_4). λ_{max} 267 (log ε 4.32) and 244 nm (4.17) (MeOH/HCl).

Stephens, C.R. *et al, J. Am. Chem. Soc.*, 1958, **80**, 5324.
McCormick, J.R.D. *et al, J. Am. Chem. Soc.*, 1960, **82**, 3381.
Stephens, C.R. *et al, J. Am. Chem. Soc.*, 1963, **85**, 2643 (*synth, stereochem*)
U.S.P., 3 069 467, (*1963*); *CA*, **59**, 1560 (*synth*)
v. Wittenau, M.S. *et al, J. Org. Chem.*, 1966, **31**, 613 (*stereochem, pmr*)
Cairella, M. *et al, CA*, 1969, **71**, 6479a (*rev*)
U.S.P., 3 907 890, (*1975*); *CA*, **83**, 206025j (*synth*)
Asleson, G.L. *et al, J. Am. Chem. Soc.*, 1975, **97**, 6246 (*cmr*)
Stezowski, J.J. *et al, J. Am. Chem. Soc.*, 1977, **99**, 1122 (*struct*)
Edwards, C., *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 305 (*rev, pharmacol*)
Cunha, B.A. *et al, Ther. Drug Monit.*, 1982, **4**, 115 (*rev,pharmacol*)
Shaw, D. *et al, J. Am. Vet. Med. Assoc.*, 1986, **189**, 808 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6541 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 72, 73, 74, 18633.

2'-Deoxy-5-iodouridine, 9CI, 8CI D-00081

***Idoxuridine**, BAN, USAN, INN, JAN. Kerecid. Dendrid. Herpid. Numerous proprietary names*

[54-42-2]



$C_9H_{11}IN_2O_5$ M 354.101

Used in the treatment of ocular herpetic infections. The 5'-amino-5'-deoxy derivative exhibits an antiviral effect against *Herpes simplex* virus type 1 in cell culture. Cryst. (H_2O). Mp 160° (190-195°, 240°) dec. $[\alpha]_D^{20}$ +29° (c, 1.0 in 1N NaOH).

▷YU7700000.

3'-Ac: [15384-26-6].
$C_{11}H_{13}IN_2O_6$ M 396.138
Mp 196-198°.

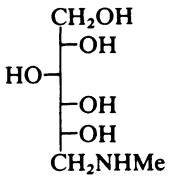
3'-Ac, 5'-trityl: Mp 132-145°.

5'-Tosyl: [58349-27-2]. Mp 164-165°.

5'-Trityl: [15414-61-6]. Mp 220°. λ_{max} 286 (ε 6 610) (0.1N HCl), 278 nm (4 840) (0.1N NaOH).

Cheong, L. *et al, J. Biol. Chem.*, 1960, **235**, 1441.
Chang, P.K. *et al, J. Med. Chem.*, 1963, **6**, 428 (*synth*)
Fr. Pat., 1 336 866, (*1963*); *CA*, **60**, 3082 (*synth*)
Camerman, N. *et al, Acta Crystallogr.*, 1965, **18**, 203 (*cryst struct*)
U.S.P., 3 324 110, (*1967*); *CA*, **67**, 108960k
Lin, T. *et al, J. Med. Chem.*, 1976, **19**, 495 (*synth*)
Prusoff, W.H. *et al, Antibiotics (N.Y.)*, 1979, **5**, 236 (*rev, pharmacol*)
Prusoff, W.H. *et al, Int. Encycl. Pharmacol. Ther.*, 1984, **111**, 341 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1205 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1681.

1-Deoxy-1-(methylamino)glucitol, 9CI, 8CI D-00082



$C_7H_{17}NO_5$ M 195.215

D-form [6284-40-8]

***Meglumine**, BAN, INN. Methylglucamine*

Mainly used as drug intermediate. Isophthalamate deriv. is used as a contrast medium for spinal cord radiotherapy. V. sol. H_2O. Mp 128-129°. $[\alpha]_D^{18}$ −18.5° (H_2O). Forms salts with acids and complexes with metals.

Antimonate: [133-51-7]. *Glucantime. Protostib. RP 2168.*
$C_7H_{18}NO_8Sb$ M 365.971
Antileishmanial. Powder.

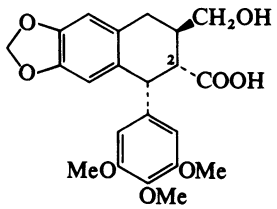
▷LZ4370000.

N-*Me; B,Mel:* Mp 111°.

Karrer, P. *et al, Helv. Chim. Acta*, 1937, **20**, 83 (*synth*)
Yakovleva, V.Y. *et al, Khim.-Farm. Zh.*, 1967, **1**, 51 (*synth*)
Ger. Pat., 2 404 071, (*1975*); *CA*, **84**, 8854m
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 209.

Deoxypodophyllic acid D-00083

[38943-33-8]



$C_{22}H_{24}O_8$ M 416.427

Isol. from *Thujopsis dolabrata*. Cytotoxic agent. Cryst. (MeOH). Mp 171-172°. $[\alpha]_D^{24}$ −158.5° (Py).

Lactone: Deoxypodopyllotoxin. Hernandion. Anthricin. Silicicolin. Desoxypodophyllotoxin.
$C_{22}H_{22}O_7$ M 398.412
Isol. from *Bursera microphylla* and *Libocedrus bidwillii*. Cytotoxic agent, tumour inhibitor. Cryst. (EtOH). Mp 170-171°. $[\alpha]_D^{19}$ −119° ($CHCl_3$). Readily epimerised by base to Deoxypicropodophyllin.

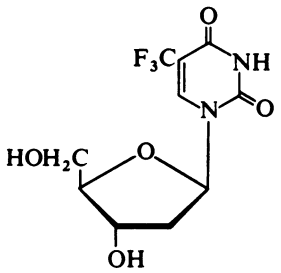
Lactone, 2-epimer: [24150-39-8]. *Deoxypicropodophyllin. Cicutin. Silicicolin* B.
$C_{22}H_{22}O_7$ M 398.412
From *Thuja plicata* and *Cicuta maculata*. Cryst. (EtOH aq.). Mp 171-172°. $[\alpha]_D^{21}$ +32° ($CHCl_3$).

1,2,3,4-Tetradehydro, lactone: 1,2,3,4-Dehydrodesoxypodophyllotoxin.
$C_{22}H_{18}O_7$ M 394.380
Constit. of seeds of *Hernandia ovigera*. Cryst. (EtOH). Mp 270-275°.

Hartwell, J.L. *et al, J. Am. Chem. Soc.*, 1953, **75**, 2138 (*synth*)
Bianchi, E. *et al, J. Pharm. Sci.*, 1968, **57**, 696 (*isol, deriv*)
Pelter, A., *J. Chem. Soc. (C)*, 1968, 74 (*ms*)
Akahori, A. *et al, Chem. Pharm. Bull.*, 1972, **20**, 1150 (*isol*)
Gensler, W.J. *et al, J. Org. Chem.*, 1972, **37**, 1062 (*synth*)
Quon, H.H. *et al, CA*, 1972, **77**, 137401 (*isol*)
Murphy, S.T. *et al, Aust. J. Chem.*, 1975, **28**, 81 (*isol*)
Russell, G.B., *Phytochemistry*, 1975, **14**, 2708 (*isol, derivs*)

Yamaguchi, H. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3212.

2'-Deoxy-5-(trifluoromethyl)uridine, 8CI **D-00084**
α,α,α-Trifluorothymidine, 9CI. **Trifluridine,** *USAN, INN. Bephen. Thilol. Triherpine. Viromidin. Viroptic.* F_3T. *NSC 75520*
[70-00-8]



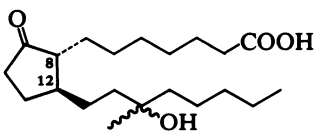
$C_{10}H_{11}F_3N_2O_5$ M 296.203
Ophthalmic antiviral agent. Used in treatment of herpetic keratitis. Cryst. (EtOAc). Mp 186-189°. $[\alpha]_D^{20}$ +46.9° (H_2O).
▷XP2087500.
Heidelberger, C. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3597 (*synth*)
Ryan, K.J. *et al*, *J. Org. Chem.*, 1966, **31**, 1181 (*synth*)
Cushley, R.J. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 709 (*nmr*)
Heidelberger, C. *et al*, *Pharmacol. Ther.*, 1979, **6**, 427 (*rev, pharmacol*)
Kobayashi, Y. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, 2755 (*synth*)
Carmine, A.A. *et al*, *Drugs*, 1982, **23**, 329 (*rev, pharmacol*)
Schwarz, B. *et al*, *J. Prakt. Chem.*, 1984, **326**, 985 (*synth*)

Deprolorphin **D-00085**
N-[*1*-[N-*1*-*L*-*Tyrosyl*-*L*-*prolyl*)-*L*-*phenylalanyl*]-*D*-*prolyl*]*glycine. D-Proline*[4]*-β-casomorphin*$_{1-5}$
[84799-24-6]

H-Tyr-Pro-Phe-D-Pro-Gly-OH

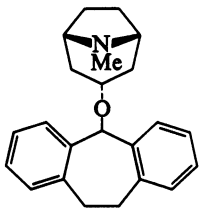
$C_{30}H_{37}N_5O_7$ M 579.652
Analgesic. No phys. props. reported.
Matthies, H. *et al*, *Peptides* (*Fayetteville, N.Y.*), 1984, **5**, 463; 1986, **7**, 195 (*synth, pharmacol*)
Kammerer, E. *et al*, *Biomed. Biochim. Acta*, 1985, **44**, 1379 (*pharmacol*)
Rauca, C. *et al*, *Neuropharmacology*, 1986, **25**, 1137 (*pharmacol*)

Deprostil, USAN, INN **D-00086**
15-Hydroxy-15-methyl-9-oxoprostan-1-oic acid, 9CI. *2-(3-Hydroxy-3-methyloctyl)-5-oxocyclopentaneheptan-oic acid,* 9CI. *AY 22469*
[33813-84-2]



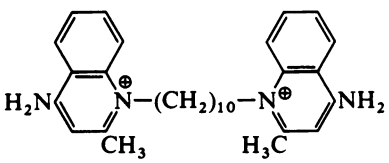
$C_{21}H_{38}O_4$ M 354.529
Gastric antisecretory agent.
Lippmann, W., *Ann. N.Y. Acad. Sci.*, 1971, **180**, 332 (*pharmacol*)
Ger. Pat., 2 137 811, (*1972*); *CA*, **76**, 126467v (*synth*)
Bagli, J.F. *et al*, *Tetrahedron Lett.*, 1973, 3329 (*synth, props*)
Tronconi, G. *et al*, *Prostaglandins*, 1977, **13**, 1067 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8079.

Deptropine, BAN, INN **D-00087**
3-[(*10,11-Dihydro-5*H-*dibenzo*[a,d]*cyclohepten-5-yl*)-*oxy*]-*8-methyl-8-azabicyclo*[*3.2.1*]*octane,* 9CI. *3α-*[(*10,11-Dihydro-5*H-*dibenzo*[a,d]*cyclohepten-5-yl*)-*oxy*]-*1α*H,*5α*H-*tropane,* 8CI. *Dibenzheptropine*
[604-51-3]



$C_{23}H_{27}NO$ M 333.472
Anticholinergic, antihistamine; bronchodilator. Mp 190-197°.
Hydrogen citrate: [2169-75-7]. *Brontine. BS 6987. Deptropine citrate. Dibenzheptropine citrate. Su-Brontine.*
▷YM3065000.
N-*Me, Br:* [10139-98-7]. *BS 7020a. Deptropine methobromide.* Anticholinergic, antiulcer agent, spasmolytic.
▷YM3575000.
N-*Me, I:* [38146-43-9]. *BS 7020. Deptropine methiodide.*
van der Stelt, C. *et al*, *J. Med. Chem.*, 1961, **4**, 335 (*synth*)
de Roos, A.M. *et al*, *Pharm. Weekbl.*, 1963, **98**, 1203 (*ir*)
Horn, A.S. *et al*, *Mol. Pharmacol.*, 1971, **7**, 66 (*pharmacol*)
Van Eeken, C.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **192**, 105 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6125.

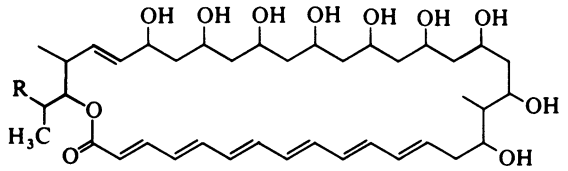
Dequalinium(2+) **D-00088**
1,1'-(*1,10-Decanediyl*)[*4-amino-2-methylquinolinium*], 9CI. *1,1'-Decamethylenebis*[*4-aminoquinaldinium*], 8CI
[6707-58-0]



$C_{30}H_{40}N_4^{\oplus\oplus}$ M 456.673 (ion)
Antibacterial agent.
Dichloride: [522-51-0]. *Dequalinium chloride, BAN, INN. Dequadin. Labosept.*
$C_{30}H_{40}Cl_2N_4$ M 527.579
Cryst. (EtOH). Mp 326° dec.
▷VA0700000.
Diacetate: [4028-98-2]. *Dequalinium acetate. Decalinium acetate, JAN.*
$C_{34}H_{46}N_4O_4$ M 574.762
Antiseptic, antifungal.
▷VA0600000.
Babbs, M. *et al*, *J. Pharm. Pharmacol.*, 1956, **8**, 110 (*pharmacol*)
Austin, W.C. *et al*, *J. Chem. Soc.*, 1958, 1489 (*synth*)
Burgess, G.G., *Aust. J. Pharm.*, 1959, **40**, 39.
Gaase, A., *Arzneim.-Forsch.*, 1962, **12**, 848 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7876 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2233, 2234.

Dermostatin, 9CI D-00089



Dermostatin *A*; R = CH_3
Dermostatin *B*; R = CH_2CH_3

Polyene antibiotic consisting of two components.

Dermostatin A [51053-36-2]
Viridofulvin, INN, USAN
$C_{40}H_{64}O_{11}$ M 720.939
Isol. from *Streptomyces viridogriseus*. Antifungal agent. Golden-yellow needles or yellow cryst. $[\alpha]_D$ −184° (Py).

▷HG4484000.

Dermostatin B [51141-40-3]
$C_{41}H_{66}O_{11}$ M 734.966

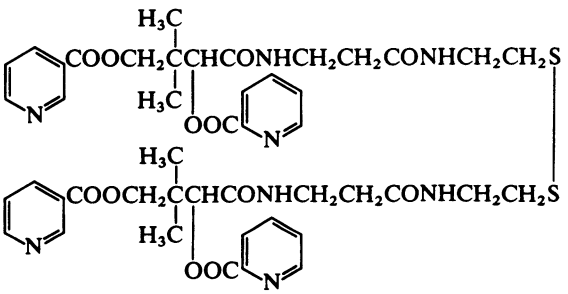
From *S. viridogriseus*. Antifungal agent. Yellow.

Narasimhachari, N. *et al*, *Chemotherapy*, 1968, **13**, 181; *J. Antibiot.*, 1970, **22**, 566 (*isol*)
Gordee, R.S. *et al*, *J. Antibiot.*, 1971, **24**, 561 (*props*)
Thirumalacher, M.J., *J. Sci. Ind. Res.*, 1972, **31**, 542 (*rev, pharmacol*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1973, **26**, 475; *Hindustan. Antibiot. Bull.*, 1980, **22**, 47 (*struct*)

Derpanicate, INN D-00090

3-Pyridinecarboxylic acid 2,2,23,23-tetramethyl-4,8,17,21-tetraoxo-12,13-dithia-5,9,16,20-tetraazatetracosane-1,3,22,24-tetrayl ester, 9CI

[99518-29-3]



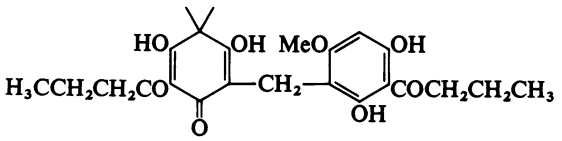
$C_{46}H_{54}N_8O_{12}S_2$ M 975.099
Anticholesteraemic agent.

Ger. Pat., 3 447 737, (*1986*); *CA*, **105**, 152837c (*synth, pharmacol*)

Desaspidin, INN D-00091

2-[[2,4-Dihydroxy-6-methoxy-3-(1-oxobutyl)phenyl]-methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)-2,5-cyclohexadien-1-one, 9CI. *Desaspidin* BB. *Rosapin*

[114-43-2]



$C_{24}H_{30}O_8$ M 446.496
Isol. from male fern *Dryopteris filix mas* and other *D.* spp. Anthelmintic. Cryst. (Et_2O/pet. ether). Mp 150-150.5°.

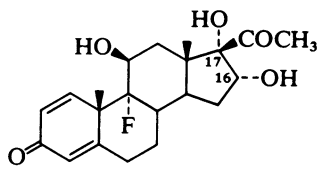
▷EU1225000.

Aebi, A. *et al*, *Helv. Chim. Acta*, 1957, **40**, 266 (*isol*)
Penttilä, A. *et al*, *Acta Chem. Scand.*, 1964, **18**, 344 (*isol*)
Lounasmaa, M. *et al*, *Acta Chem. Scand.*, 1972, **26**, 89 (*ms*)
Widen, C.J. *et al*, *Helv. Chim. Acta*, 1975, **58**, 880 (*isol, bibl*)
Ayras, P. *et al*, *Org. Magn. Reson.*, 1981, **16**, 209 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 770.

Descinolone, INN D-00092

9-Fluoro-11β,16α,17-trihydroxypregna-1,4-diene-3,20-dione, 9CI

[595-52-8]



$C_{21}H_{27}FO_5$ M 378.440
Glucocorticoid. Antiinflammatory, antiallergic. Prisms (Me_2CO/pet. ether). $[\alpha]_D^{25}$ +53.3° (c, 0.41 in MeOH). Darkens at 275°; dec. at 290-291°.

16,17-Acetonide: [2135-14-0]. ***Descinolone acetonide, USAN***. *Desoxytriamcinolone acetonide. CL 27071. NSC 44827.*
$C_{24}H_{31}FO_5$ M 418.504
Platelets (Me_2CO/pet. ether). Mp 294-296° dec. $[\alpha]_D^{25}$ +102° ($CHCl_3$).

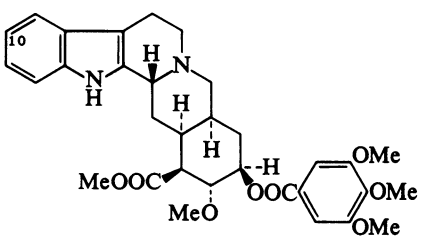
▷TU3840000.

Bernstein, S. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4956 (*synth*)
U.S.P., 2 990 401, (*1961*); *CA*, **55**, 26037b (*synth, acetonide*)
U.S.P., 3 167 546, (*1965*); *CA*, **62**, 9211h (*synth*)
Tonelli, G. *et al*, *Steroids*, 1967, **10**, 199 (*pharmacol*)
Justice, J.B. *et al*, *J. Med. Chem.*, 1978, **21**, 465 (*struct, activity*)

Deserpidine, BAN, INN D-00093

11-Demethoxyreserpine. Canescine. Harmonyl. Raunormine. Recanescine. Reserpidine. Lilly 22641

[131-01-1]



Absolute configuration

$C_{32}H_{38}N_2O_8$ M 578.661

Alkaloid from *Rauwolfia canescens* and several other *R.* spp., *Tonduzia longifolia* and *Ochrosia vieillardii* (Apocynaceae). Antihypertensive, neuroleptic agent. Trimorphic. Mp 228-232° (220-222° dec.). $[\alpha]_D^{24}$ −137° ($CHCl_3$), −118 (c, 1 in $CHCl_3$).

▷ZG0875000.

B,HCl: Cryst. + 1MeOH (MeOH). Mp 241-243° dec.

Cronheim, G.E. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1955, **89**, 21 (*pharmacol*)
Jurg, A. *et al*, *J. Pharmacol. Exp. Ther.*, 1955, **114**, 10 (*pharmacol*)
Klohs, M.W. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4084 (*isol, struct*)
Neuss, N. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4087 (*isol, uv, ir, struct*)
Schlittler, E. *et al*, *Experientia*, 1955, **11**, 64, 98 (*isol, pharmacol*)
Weichet, J. *et al*, *Collect. Czech. Chem. Commun.*, 1961, **26**, 1529 (*synth*)
Ben-David, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **171**, 274 (*pharmacol*)
Creveling, C.R. *et al*, *J. Med. Chem.*, 1968, **11**, 596 (*activity*)
Levin, R.H. *et al*, *J. Org. Chem.*, 1973, **38**, 1983 (*cmr*)
Timmins, P. *et al*, *Phytochemistry*, 1974, **13**, 1997 (*isol*)
Pantarotto, C. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1977, **2**, 351 (*ms*)
Szantay, C. *et al*, *Heterocycles*, 1977, **7**, 155 (*synth*)
Sakai, S. *et al*, *Heterocycles*, 1978, **10**, 67 (*synth*)
Szantay, C. *et al*, *Justus Liebigs Ann. Chem.*, 1983, 1292 (*synth*)
Miyata, O. *et al*, *Heterocycles*, 1984, **22**, 1041 (*synth*)
Lounasmaa, M. *et al*, *Heterocycles*, 1985, **23**, 371 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 861.

Desglugastrin, INN D-00094

N-(4-Carboxy-1-oxobutyl)-L-alanyl-L-tyrosylglycyl-L-tryptophyl-L-leucyl-L-α-aspartyl-L-phenylalaminamide, 9CI

[51987-65-6]

$HOOC(CH_2)_3CO$-L-Ala-L-Tyr-Gly-L-Trp-L-Leu-L-Asp-L-Phe-NH_2

$C_{49}H_{61}N_9O_{13}$ M 984.073

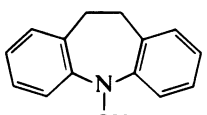
Gastric acid secretion stimulator.

Wissmann, H. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1973, **354**, 1591 (*synth, pharmacol*)
Bickel, M., *Drugs of Today*, 1986, **22**, 265 (*rev, pharmacol*)

Desipramine, BAN, INN D-00095

10,11-Dihydro-N-methyl-5H-dibenz[b,f]azepine-5-propanamine, 9CI. 10,11-Dihydro-5-[3-(methylamino)-propyl]-5H-dibenz[b,f]azepine, 8CI. Desmethylimipramine. Norimipramine

[50-47-5]



CH_2CH_2NHMe

$C_{18}H_{22}N_2$ M 266.385

CNS stimulant. $Bp_{0.02}$ 172-174°.

▷HO0350000.

B,HCl: [58-28-6]. *Desipramine hydrochloride, JAN, USAN. Pertofran. Irene. Norpramin. G35020. JB 8181. NSC 114901. Other synonyms.* Mp 214-218°.

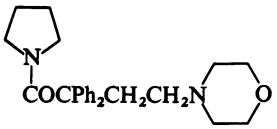
▷HO0525000.

B.P., 908 788, (*1962*); *CA*, **59**, 10011c (*synth*)
Sulser, F. *et al*, *Ann. N.Y. Acad. Sci.*, 1962, **96**, 279 (*pharmacol*)
Bever, K.H. *et al*, *Dtsch. Apoth.-Ztg.*, 1973, **113**, 1562 (*props*)
Saferstein, R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Larsen, D.W. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 4892 (*pmr*)
Janowsky, D.S. *et al*, *J. Clin. Psychiatry*, 1984, **45**, 3 (*rev, pharmacol*)
Kostowski, W. *et al*, *Psychopharmacol. Bull.*, 1986, **22**, 512 (*rev*)
Kennett, G.A. *et al*, *Eur. J. Pharmacol.*, 1987, **134**, 265 (*activity*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4851 (*synonyms*)

Desmethylmoramide, INN D-00096

1-(4-Morpholino-2,2-diphenylbutyryl)pyrrolidine

[1767-88-0]



$COCPh_2CH_2CH_2N$ O

$C_{24}H_{30}N_2O_2$ M 378.513

Narcotic analgesic. Mp 80-81.5°.

Janssen, P.A.J. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 381 (*pharmacol*)
B.P., 822 055, (*1959*); *CA*, **54**, 3561f (*synth, pharmacol*)

Desmopressin, BAN, INN D-00097

1-(3-Mercaptopropanoic acid)-8-D-arginineVasopressin, 9CI. Adiuretin SD. Defirin. Desurin. Minirin. Minrin. Minurin. Stimate. DDAVP

[16679-58-6]

SCH_2CH_2CO-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH_2

$C_{46}H_{64}N_{14}O_{12}S_2$ M 1069.218

Used in treatment of diabetes insipidus. Antidiuretic. $[\alpha]_D^{25}$ +85.5° (calculated).

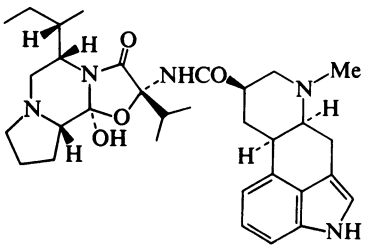
B,AcOH: [62357-86-2]. *Desmopressin acetate, USAN. Demopressin acetate, JAN.* Cryst. + $3H_2O$.

Huguenin, R.L. *et al*, *Helv. Chim. Acta*, 1966, **49**, 695 (*synth*)
Zaoral, M. *et al*, *Collect. Czech. Chem. Commun.*, 1967, **32**, 1250 (*synth*)
Vavra, I. *et al*, *J. Pharmacol. Exp. Ther.*, 1974, **188**, 241 (*props*)
Manning, M. *et al*, *J. Med. Chem.*, 1976, **19**, 842 (*synth, pharmacol*)
Cort, J.H. *et al*, *Int. J. Pept. Protein Res.*, 1981, **17**, 14 (*synth*)
Pliska, V., *Front. Horm. Res.*, 1985, **13**, 278 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5923.

Desocriptine, INN D-00098

9,10-Dihydro-12'-hydroxy-2'-(1-methylethyl)-5'-(1-methylpropyl)ergotaman-3',18-dione, 9CI. 6'-Deoxo-9,10α-dihydro-β-ergocryptine. DHM 32-550

[66759-48-6]



$C_{32}H_{45}N_5O_4$ M 563.739

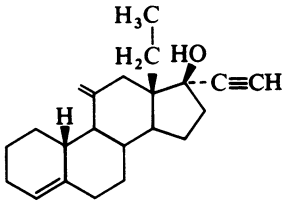
Antihypertensive, antianginal agent. Cryst. (CH_2Cl_2/Et_2O). Mp 159-160°. $[\alpha]_D^{20}$ −4° (c, 0.5 in DMF).

Ger. Pat., 2 738 730, (*1978*); *CA*, **89**, 24595m (*synth*)

Desogestrel, BAN, INN **D-00099**

13β-Ethyl-11-methylene-18,19-dinorpregn-4-en-20-yn-17α-ol, *9CI. Org 2969*

[54024-22-5]



$C_{22}H_{30}O$ M 310.478

Progestogen. Cryst. Mp 109-110°. $[\alpha]_D^{20}$ +55° ($CHCl_3$). Component of Marvelon, Dicromil and Microdiol.

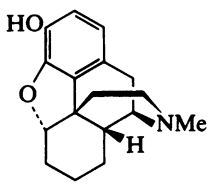
▷JF7975000.

Van der Broek, A.J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1975, **94**, 35 (*synth*)
Viinikka, L. *et al*, *Acta Endocrinol.* (*Copenhagen*), 1976, **83**, 429 (*pharmacol*)
Van Soest, T.C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1980, **99**, 323 (*cryst struct*)
Weijers, M.J., *Clin. Ther.*, 1982, **4**, 359 (*use*)
Pinkerton, S.M., *Drugs of Today*, 1983, **19**, 569 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12633.

Desomorphine, BAN, INN **D-00100**

4,5-Epoxy-17-methylmorphinan-3-ol, *9CI. Dihydrodeoxymorphine. Permonid*

[427-00-9]



$C_{17}H_{21}NO_2$ M 271.358

Narcotic analgesic. Cryst. + $\frac{1}{2}H_2O$ (EtOAc). Mp 162-164° (anhyd. 189°). $[\alpha]_D^{28}$ −79° (c, 1.08 in EtOAc).

▷QD1730000.

B,HCl: Cryst. (EtOH). $[\alpha]_D^{27}$ −67° (c, 0.9 in H_2O).

B_2,H_2SO_4: Rectangular plates and prisms + $2H_2O$. Mp 290-291° dec. $[\alpha]_D$ −58° (H_2O). Stable in boiling water.

O-*Me: Dihydrodesoxycodeine.*

$C_{18}H_{23}NO_2$ M 285.385

Mp 105-106°. $[\alpha]_D^{20}$ +80.3° (c, 0.6 in MeOH).

Ac:

$C_{19}H_{23}NO_3$ M 313.396

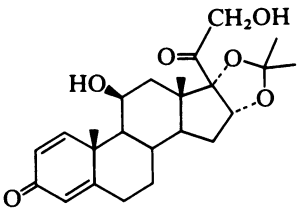
Light-yellow oil. $[\alpha]_D^{20}$ −156.2° (c, 0.8 in $CHCl_3$).

Small, L.F. *et al*, *J. Am. Chem. Soc.*, 1933, **55**, 3863 (*synth*)
Eddy, N.B. *et al*, *J. Pharmacol.*, 1935, **55**, 257 (*synth, pharmacol*)
Bognar, R. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 323 (*synth*)
Kugita, H. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 1422 (*synth, abs config*)
Kugita, H. *et al*, *J. Med. Chem.*, 1970, **13**, 973 (*pharmacol*)

Desonide, BAN, USAN, INN **D-00101**

11,21-Dihydroxy-16,17-[(1-methylethylidene)-bis(oxy)]pregna-1,4-diene-3,20-dione, *9CI. Desfluorotriamcinolone acetonide. Hydroxyprednisolone acetonide. Prednacinolone. Tridesilon. Other proprietary names*

[638-94-8]



$C_{24}H_{32}O_6$ M 416.513

Glucocorticoid. Antiinflammatory agent. Small plates (MeOH). Mp 274-275° (263-266°). $[\alpha]_D^{25}$ +123° (c, 0.5 in DMF).

▷TU2800000.

O-*Phosphate: Desonide phosphate.*

$C_{24}H_{33}O_9P$ M 496.493

Ophthalmologic glucocorticoid.

O-*Phosphate, di-Na salt: Desonide disodium phosphate. Prenacid.*

21-O-(*2,2-Dimethylpropanoyl*): [78806-68-5]. *Desonide pivalate. PR 100.*

$C_{29}H_{40}O_7$ M 500.631

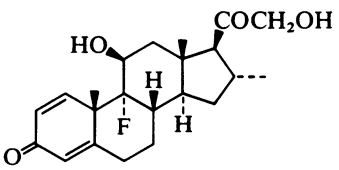
Antiinflammatory agent.

Bernstein, S. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4573 (*synth*)
Mantica, L. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 109 (*props*)
Mascitelli-Coriandoli, E. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 111 (*pharmacol, tox*)
Phillips, B.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1971, **20**, 522.
Kamano, Y. *et al*, *CA*, 1981, **95**, 133235 (*pivalate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1076.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7169.

Desoximetasone, USAN, INN **D-00102**

9-Fluoro-11,21-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, *9CI.* ***Desoxymethasone, BAN****. Actiderm. Dermo-Hidrol. Esperson. Flubason. Ibaril. Indexon. Stiedex. Topicort. Topiderm. Topisolon. Hoe 304*

[382-67-2]



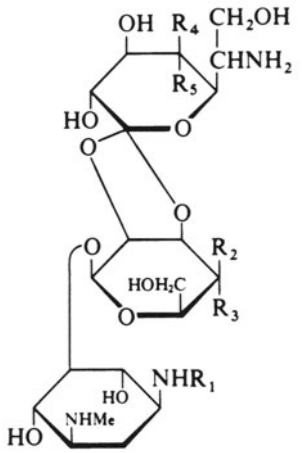
$C_{22}H_{29}FO_4$ M 376.467

Glucocorticoid. Topical antiinflammatory agent. Cryst. (EtOAc). Mp 217°. $[\alpha]_D$ +109° ($CHCl_3$).

▷TU3834000.

Lukacs, G. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1972, **274**, 1458 (*cmr*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 514 (*cryst struct*)
Joly, R. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1, 3 (*synth, props*)
Heel, R.C. *et al*, *Drugs*, 1978, **16**, 302 (*rev, pharmacol*)
Hornke, I. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 47 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1077.

Destomycins, 8CI D-00103



Destomycin	R_1	R_2	R_3	R_4	R_5
A	H	OH	H	OH	H
B	CH_3	H	OH	H	OH
C	CH_3	OH	H	OH	H

Aminoglycoside antibiotics.

Destomycin A [14918-35-5]
*XK 33*FI. *Antibiotic XK 33*FI. *Anthelmin. Destonate 20*
$C_{20}H_{37}N_3O_{13}$ M 527.525
Isol. from *Streptomyces rimofaciens*. Broad spectrum antibiotic, veterinary anthelmintic. Powder. Sol. H_2O. Mp 180-190° dec. $[\alpha]_D^{22}$ +7° (c, 2 in H_2O).

▷WK2129900.

Destomycin B [11005-98-4]
*A 16316*C. *Antibiotic A 16316*C
$C_{21}H_{39}N_3O_{13}$ M 541.551
Isol. from *S. rimofaciens*, *Streptoverticillium eurocidicus* and *Micromonospora cyaneogranulata*. Broad spectrum antibiotic. Powder. Mp 140-200° dec., 175-185° dec. $[\alpha]_D^{21}$ +6° (c, 1 in H_2O).

▷HH1330000.

N-*Ac:* Mp 220-240° dec.

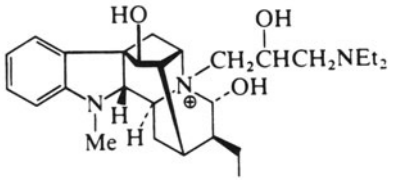
Destomycin C [55651-94-0]
N-*Methylhygromycin* B. *AB 74. Antibiotic AB 74*
$C_{21}H_{39}N_3O_{13}$ M 541.551
From *S. rimofaciens* and *S. aquacanus*. Broad spectrum antibiotic, anthelmintic. Hygroscopic powder. Mp 182-190° dec. $[\alpha]_D^{22}$ +9° (c, 1 in H_2O).

▷WK2129000.

Kondo, S. *et al*, *J. Antibiot., Ser. A*, 1965, **18**, 38 (*isol*)
Kondo, S. *et al*, *J. Antibiot., Ser. A*, 1966, **19**, 139 (*struct, ir, ms, pmr*)
Kondo, S. *et al*, *J. Antibiot.*, 1975, **28**, 79 (*struct, ir, ms, pmr*)
Shimura, M. *et al*, *J. Antibiot.*, 1975, **28**, 83.
Japan. Pat., 76 82 793, (*1976*); *CA*, **86**, 15201n
Shimura, M. *et al*, *Agric. Biol. Chem.*, 1976, **40**, 611.
Tamura, A. *et al*, *J. Antibiot.*, 1976, **29**, 590, 592 (*isol*)
Horito, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 2147 (*cryst struct*)
Yoshimura, J. *et al*, *CA*, 1981, **96**, 181549; 1986, **105**, 97853 (*rev, synth*)

Detajmium (1+) D-00104

4-[3-(Diethylamino)-2-hydroxypropyl]-17,21-dihydroxyajmalanium, 9CI



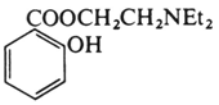
$C_{27}H_{42}N_3O_3^{\oplus}$ M 456.647 (ion)
Antiarrhythmic agent.

Hydrogen tartrate (1:2): [33774-52-6]. *Detajmium bitartrate, INN. Tachmalcor.* Mp 123-125.5°.
Chloride; B,HCl: Mp 165-168° dec. $[\alpha]_D^{20}$ +82° (EtOH).

East Ger. Pat., 82 731, (*1971*); *CA*, **77**, 19864 (*synth*)
Femmer, K. *et al*, *Pharmazie*, 1976, **31**, 33, 36, 39, 44 (*pharmacol, tox*)

Detanosal, INN D-00105

2-(Diethylamino)ethyl salicylate, 8CI
[23573-66-2]



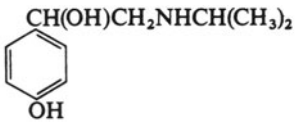
$C_{13}H_{19}NO_3$ M 237.298
Antipyretic, analgesic, antiinflammatory agent. $Bp_{0.05}$ 128°.

B,HCl: [23529-23-9]. Mp 144°.

Fr. Pat., M5342, (*1967*); *CA*, **71**, 80965x (*synth, pharmacol*)
Wolinski, J. *et al*, *Acta Pol. Pharm.*, 1980, **37**, 275 (*synth*)

Deterenol, INN D-00106

4-Hydroxy-α-[[(1-methylethyl)amino]methyl]-benzenemethanol, 9CI. p-Hydroxy-α-[(isopropylamino)-methyl]benzyl alcohol, 8CI



$C_{11}H_{17}NO_2$ M 195.261

(R)-form [29170-05-6]
Mp 133-135°. $[\alpha]_D^{25}$ −42.5°.

(±)-form [3506-31-8]
Ophthalmic adrenergic agent. Mp 138-140°.

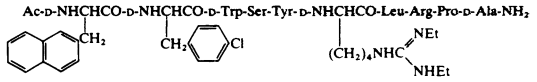
B,HCl: [23239-36-3]. *Deterenol hydrochloride, USAN. AL 842.* Cryst. (EtOH/Et_2O). Mp 155-157°.

Corrigan, J.R. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 1894 (*synth*)
Adamski, R.J. *et al*, *Synthesis*, 1970, **2**, 478 (*synth*)
Baldwin, H.A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1972, **199**, 302 (*pharmacol*)
U.S.P., 3 860 651, (*1975*); *CA*, **82**, 170330t (*synth*)
Barlow, J.J. *et al*, *J. Med. Chem.*, 1981, **24**, 315 (*synth, props*)

Detirelix, INN **D-00107**

N-*Acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-D-tryptophyl-L-seryl-L-tyrosyl-*N^6-*[bis(ethylamino)methylene]-D-lysyl-L-leucyl-L-arginyl-L-prolyl-D-alaninamide, 9CI*

[89662-30-6]



$C_{78}H_{105}ClN_{18}O_{13}$ M 1538.253

LHRH antagonist. Ovulation inhibitor.

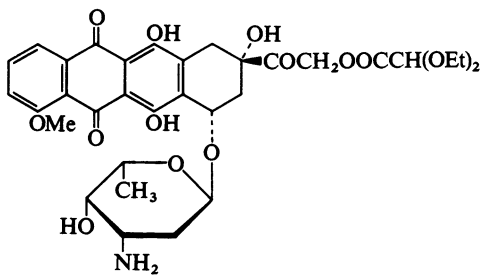
B,2AcOH: [102583-46-0]. *Detirelix acetate, USAN. RS 68439.*

Eur. Pat., 97 031, (*1983*); *CA*, **100**, 175300 (*synth, pharmacol*)
Vickery, B.H., *J. Steroid. Biochem.*, 1985, **23**, 779 (*rev*)
Parnes, H. *et al*, *Int. J. Pept. Protein Res.*, 1986, **27**, 239 (*synth*)

Detorubicin, INN **D-00108**

14-Diethoxyacetoxydaunorubicin. RP 33921. NSC 292652

[66211-92-5]



$C_{33}H_{39}NO_{14}$ M 673.669

Anthracycline. Semisynthetic. Antineoplastic agent.

▷AG9427000.

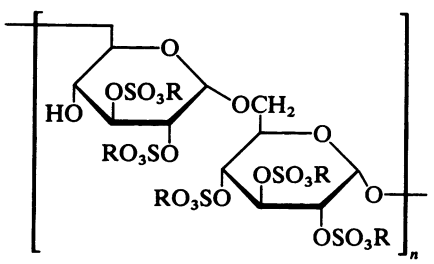
B,HCl: $[\alpha]_D^{20}$ +184° (c, 0.2 in EtOH).

Maral, R. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1978, **286**, 443 (*synth, uv, ir*)
Jacquillat, C. *et al*, *Cancer Treat. Rep.*, 1979, **63**, 889 (*pharmacol*)
U.S.P., 4 225 589, (*1980*); *CA*, **94**, 121880 (*synth*)
Carter, S.K., *Drugs*, 1980, **20**, 375 (*pharmacol*)
Smith, R.G., *Anal. Chem.*, 1982, **54**, 2006 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12635.

Detralfate, INN **D-00109**

Dextran sulfate sodium salt aluminum complex

[37209-31-7]



R = Na or $Al(OH)_2$

Antiulcerogenic. $[\alpha]_D^{20}$ +83.2° (c, 5 in *M* HCl).

▷HH2860000.

Ger. Pat., 1 916 535, (*1969*); *CA*, **72**, 35780 (*synth*)

Devapamil, INN **D-00110**

3,4-Dimethoxy-α-[3-[[2-(3-methoxyphenyl)ethyl]-methylamino]propyl]-α-(1-methylethyl)-benzeneacetonitrile, 9CI. Desmethoxyverapamil. D888

[92302-55-1]

$C_{26}H_{36}N_2O_3$ M 424.582

(*S*)-*form* [93468-87-2]

(−)-*form*

Pharmacol. active isomer.

(±)-*form* [102268-75-7]

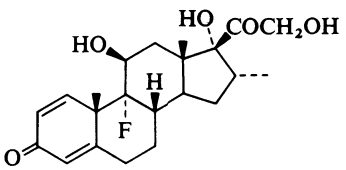
Calcium antagonist.

Ruth, P. *et al*, *Eur. J. Biochem.*, 1985, **150**, 313 (*pharmacol*)
Supavilai, P. *et al*, *Prog. Brain Res.*, 1985, **63**, 89 (*rev*)
Bruns, C. *et al*, *Br. J. Pharmacol.*, 1986, **87**, 481 (*pharmacol*)
Galizzi, J.P. *et al*, *J. Biol. Chem*, 1986, **261**, 1393 (*pharmacol*)
Vandaele, S. *et al*, *Biochemistry*, 1987, **26**, 5 (*pharmacol*)

Dexamethasone, BAN, INN **D-00111**

9α-Fluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione. 9α-Fluoro-16α-methylprednisolone. Desametasone. Dexametasone. Dexamethazon. Hexadecadrol. NSC 34521. Numerous proprietary names

[50-02-2]



$C_{22}H_{29}FO_5$ M 392.467

For 16β-epimer see Betamethasone, B-00141 .

Glucocorticoid with potent antiinflammatory props. Cryst. (Et_2O). Mp 262-264°. $[\alpha]_D^{25}$ +77.5° (dioxan).

▷TU3980000.

21-Ac: [1177-87-3]. ***Dexamethasone acetate,*** *USAN,* ***BAN****. Flumeprednisolone.*
$C_{24}H_{31}FO_6$ M 434.504
Mp 229-231°. $[\alpha]_D$ +77.6° (dioxan).

▷TU4050000.

21-Ac, 17-(2-furoate): [83880-70-0]. ***Dexamethasone acefurate, INN****. Sch 31353.*
$C_{29}H_{33}FO_8$ M 528.573
Topical glucocorticoid. Antiinflammatory, antiallergic agent. Mp 238-239°. $[\alpha]_D^{26}$ +0.9° (dioxan).

21-(Diethylaminoacetate): [1433-15-4]. ***Dexamethasone diethylaminoacetate****. Solu-Forte-Cortin.*
$C_{28}H_{40}FNO_6$ M 505.626
Antiinflammatory agent.

21-(3,3-Dimethylbutanoate): [24668-75-5]. ***Dexamethasone tert-butylacetate****. Decadron-TBA.*
$C_{28}H_{39}FO_6$ M 490.611
Antiinflammatory agent.

21-(2,2-Dimethylpropanoate): [1926-94-9]. ***Dexamethasone pivalate, BAN****. Dexamethasone trimethylacetate. Millicorten-TMA. Millicortenol. Opticortenol.*
$C_{27}H_{37}FO_6$ M 476.584
Antiinflammatory agent. Vet. prod. Mp 262-263°. $[\alpha]_D^{27}$ +84.9° (c, 1.4 in dioxan).

21-(9,12-Octadecadienoate): [39026-39-6]. ***Dexamethasone linoleate****. Linoderm. Situalin. Topolyn. ISF 2073.*
$C_{40}H_{59}FO_6$ M 654.901
Antiinflammatory agent.

17-Pentanoyl: [33755-46-3]. ***Dexamethasone valerate****. Dermadex. Desaval. Dexaval.*
$C_{27}H_{37}FO_6$ M 476.584

Antiinflammatory agent.

▷TU4065000.

21-Phosphate: [312-93-6]. ***Dexamethasone phosphate, BAN.*** *Numerous proprietary names.*

$C_{22}H_{30}FO_8P$ M 472.446

Antiinflammatory agent.

▷TU4055000.

21-Phosphate, di-Na salt: [2392-39-4]. *Dexamethasone sodium phosphate, BAN, USAN. Dalalone. Decadron.* Cryst. Mp 233-235°. $[\alpha]_D$ +57° (H_2O).

▷TU4056000.

21-(4-Pyridinecarboxylate): [2265-64-7]. ***Dexamethasone isonicotinate.***

$C_{28}H_{32}FNO_6$ M 497.562

Antiinflammatory agent. Cryst. Mp 256°. $[\alpha]_D^{27}$ +194.5° (dioxan).

▷TU4060000.

21-Sulfate: [7793-27-3].

$C_{22}H_{29}FO_8S$ M 472.525

Antiinflammatory agent.

21-Sulfate, Na salt: [466-11-5]. ***Dexamethasone sodium sulfate.*** $[\alpha]_D$ +95° (H_2O).

▷TU4059000.

21-(3-Sulfobenzoate): [16978-57-7]. ***Dexamethasone metasulphobenzoate, BAN.*** *Sisotek.*

$C_{29}H_{33}FO_9S$ M 576.633

Antiinflammatory agent.

21-(3-Sulfobenzoate), Na salt: [3936-02-5]. $[\alpha]_D^{20}$ +134° (c, 1 in H_2O).

21-(3,6,9-Trioxaundecanoate): [7743-96-6]. *Dexamethasone 21-(3,6,9-trioxaundecanoate).* ***Dexamethasone troxundate, BAN.*** *Devan. Dectan.*

$C_{30}H_{43}FO_9$ M 566.663

Antiinflammatory agent. Vet. prod. Mp 119°. $[\alpha]_D^{20}$ +72.8° (c, 1 in dioxan).

21-(3-Carboxypropanoate): [3800-86-0]. ***Dexamethasone succinate.*** *Deltasol. Hemidexa.*

$C_{26}H_{33}FO_8$ M 492.540

Antiinflammatory agent. Cryst. (Me_2CO aq.). Mp 221-222°. $[\alpha]_D^{20}$ +79° (c, 1 in Me_2CO).

21-Hexadecanoyl: [14899-36-6]. ***Dexamethasone palmitate.*** *Lipomethason.*

$C_{38}H_{59}FO_6$ M 630.879

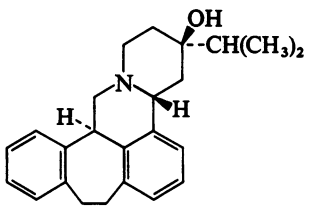
Glucocorticoid. Antiinflammatory, antiallergic agent. Mp 60-65°. $[\alpha]_D$ +59° ($CHCl_3$).

McAleer, W.J. *et al, J. Org. Chem.*, 1958, **23**, 508 (*synth*)
Oliveto, E.P. *et al, J. Am. Chem. Soc.*, 1958, **80**, 4431 (*synth*)
Junkmann, K. *et al, Arzneim.-Forsch.*, 1960, **10**, 921 (*derivs, pharmacol*)
Fr. Pat., M186, (*1961*); *CA*, **58**, 1517 (*succinate*)
Irmscher, K., *Chem. Ind. (London)*, 1961, 1035 (*phosphate*)
Desaulles, P.A. *et al, Steroids*, 1965, **6**, 339 (*pivalate*)
Neth. Pat., 6 514 035, (*1966*); *CA*, **65**, 13801 (*trioxaundecanoate*)
Ueberberg, H. *et al, Arzneim.-Forsch.*, 1966, **16**, 487 (*isonicotinate*)
Fr. Pat., M 5034, (*1967*); *CA*, **71**, 105200 (*palmitate*)
U.S.P., 3 314 854, (*1967*); *CA*, **67**, 108849 (*isonicotinate*)
Vitali, R. *et al, Farmaco, Ed. Sci.*, 1972, **27**, 818 (*valerate*)
Cohen, E.M., *Anal. Profiles Drug Subst.*, 1973, **2**, 163 (*rev*)
Ger. Pat., 2 317 954, (*1973*); *CA*, **80**, 27433 (*t-butylacetate*)
Fiegel, G., *Arzneim.-Forsch.*, 1975, **25**, 560 (*props*)
Fregnan, G.B. *et al, Curr. Ther. Res. Clin. Exp.*, 1975, **17**, 375 (*valerate*)
Harris, D.M., *J. Steroid Biochem.*, 1975, **6**, 711 (*pharmacol, derivs*)
Banfi, S. *et al, Curr. Ther. Res. Clin. Exp.*, 1976, **19**, 126 (*linoleate*)
Pifferi, G. *et al, Arzneim.-Forsch.*, 1976, **26**, 7 (*linoleate*)
Rohrer, D.C. *et al, Cryst. Struct. Commun.*, 1977, **6**, 123 (*struct*)
Hickey, J.P. *et al, J. Magn. Reson.*, 1980, **38**, 501 (*cmr*)
Simons, S.J. *et al, J. Org. Chem.*, 1980, **45**, 3084 (*derivs*)
Crowe, D.F. *et al, Tetrahedron*, 1983, **39**, 3083 (*synth, C-13*)
Yokoyama, K. *et al, Drugs Exp. Clin. Res.*, 1985, **11**, 611 (*palmitate*)
Grinenko, G.S. *et al, Khim.-Farm. Zh.*, 1987, **21**, 373 (*rev*)
Shapiro, E.L. *et al, J. Med. Chem.*, 1987, **30**, 1581 (*acefurate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6644, 6675, 7130, 7658, 7766 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1079, 1080, 1081, 1082, 1083, 1084, 1085, 1086.

Dexclamol, INN D-00112

2,3,4,4a,8,9,13b,14-Octahydro-3-(1-methylethyl)-1H-benzo[6,7]cyclohepta[1,2,3-de]pyrido[2,1-a]isoquinolin-3-ol, 9CI

[52340-25-7]



$C_{24}H_{29}NO$ M 347.499

(+)-form

Sedative.

B,HCl: [52389-27-2]. *Dexclamol hydrochloride, USAN. AY 24169.* Cryst. (CH_2Cl_2/EtOAc). Mp 241° dec. $[\alpha]_D^{25}$ +215° (c, 0.03 in MeOH).

Ger. Pat., 2 106 165, (*1971*); *CA*, **75**, 129687g (*synth*)
Humber, L.G. *et al, Mol. Pharmacol.*, 1975, **11**, 833 (*pharmacol*)
U.S.P., 4 062 851, (*1977*); *CA*, **88**, 105176g (*resoln*)

Dextran, 9CI, 8CI, INN, BAN D-00113

Macrose. Hemodex. Intradex

[9004-54-0]

α-D-Glc*p*(1→6)-α-D-Glc*p*-(1→6)-α-D-Glc*p*-(1→6)-

3
↑
1

(α-D-Glc*p*)$_x$

M 40000 (average for Dextran 40)

Bacterial polysaccharides of α-(1-6)-D-Glcp units differing only in chain length and degree of branching which occurs through α(1→3) and α(1→4) branch points. Many bacteria synthesise Dextran from sucrose. *Leuconostoc mesenteroides* and *L. dextranicum* are used commercially. Plasma volume expander. Used also as mol. sieve in a modified form. Mixed ethers and esters are used in lacquers. Chem. and phys. props. differ depending on mode of prodn. Native dextrans have a high Mw, clinical dextrans prod. by synth. or by depolymerisation of native dextrans have a low Mw.

▷HH9247500.

2,3-Dihydroxypropyl 2-hydroxy-1,3-propanediyl ether: [56087-11-7]. ***Dextranomer, INN.*** *Debrisan.* Promotes wound healing.

2-(Diethylamino)ethyl ether: [9015-73-0]. ***Colextran, INN.*** Antihypercholesterolaemic.

▷HH9250000.

Jeanes, A. *et al, J. Am. Chem. Soc.*, 1954, **76**, 5041.
Neely, W., *Adv. Carbohydr. Chem.*, 1960, **15**, 341 (*struct, synth, rev*)

Jeanes, A., *Methods Carbohydr. Chem.*, 1965, **5**, 118, 127 (*synth*)
Ovodov, Y.S. *et al*, *Dokl. Akad. Nauk SSSR, 1968*, **178**, 1338 (*pmr*)
Murphy, P.T. *et al*, *Ind. Gums* (*Whistler, R.L., Ed.*), 1973, Academic Press, 2nd Ed., 513 (*struct, manuf, rev*)
Sidebotham, R.L., *Adv. Carbohydr. Chem. Biochem.*, 1974, **30**, 371 (*rev*)
Friebolin, H. *et al*, *Makromol. Chem.*, 1976, **177**, 845 (*cmr*)
Walker, G.J., *Int. Rev. Biochem.*, 1978, **16**, 75 (*rev*)
Weetman, D.F., *Med. Actual.*, 1978, **14**, 360 (*pharmacol, Dextranomer*)
Heel, R.C., *Drugs*, 1979, **18**, 89 (*rev, pharmacol, Dextranomer*)
Kennedy, J.F. *et al*, *Comprehensive Org. Chem.*, (*Drayton, C.J., Ed.*), 1979, Pergamon Press, Oxford, **5**, Part 26, 790 (*rev*)
Alsop, R.M., *Prog. Ind. Microbiol.*, 1983, **18**, 1 (*rev, manuf, fermn*)
Guizard, C. *et al*, *Macromolecules*, 1984, **17**, 100 (*cryst struct*)
Forsgren, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, **11**, 2383 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 251, 252, 253, 254, 1604.

Dextrin, 9CI, 8CI **D-00114**

Amylin. British gum. Starch gum

[9004-53-9]

$(C_6H_{10}O_5)_n \cdot xH_2O$

A mixture of polymerised glucosans. Gives a reddish-brown colour with iodine and does not reduce Fehling's soln. Commercial dextrin is less pure and usually contains sol. starch and glucose. Treatment with dil. acids gives maltose and finally glucose. Formed by partial hydrol. of starch or by heating glucosans, product differs according to conditions of preparation. Used as an excipient for pills, in emulsions, for thickening mordants used in printing fabrics and in manuf. of printer's inks, glues, matches, fireworks, explosives. White or yellow, amorph. powder. Insol. EtOH, Et_2O, sol. in boiling water to give a gummy soln. $[\alpha]_D > +200°$ (H_2O).

▷HH9450000.

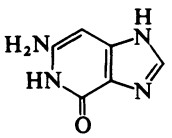
Mixt. with iron(III) hydroxide: [8063-26-1]. ***Dextriferron, BAN, INN.*** *Astrafer. Haemigron.* Used in the treatment of iron-deficiency anaemia.

Satterthwaite, R.W. *et al*, *Industrial Gums*, 1973, Academic Press, New York, 2nd Ed., 577 (*rev*)
Usui, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1973, 2425 (*cmr*)
Umeki, K. *et al*, *J. Biochem.* (*Tokyo*), 1975, **78**, 897 (*struct*)

Dezaguanine, USAN, INN **D-00115**

6-Amino-1,5-dihydro-4H-imidazo[4,5-c]pyridin-4-one, 9CI. Deazaguanine. CI 908. NSC 26176

[41729-52-6]



$C_6H_6N_4O$ M 150.140

Antineoplastic agent. Light-sensitive yellow needles. Mp >350°.

▷NJ5830880.

Methanesulfonate: [87434-82-0]. *Dezaguanine mesilate, USAN. PD 90695-73.*

1-(β-D-Ribofuranosyl): [56039-11-3]. *3-Deazaguanosine.*

$C_{11}H_{14}N_4O_5$ M 282.255

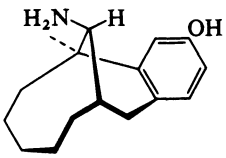
Microcryst. Mp 255-257° dec.

Cook, P.D. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 2916 (*synth, tox, pharmacol*)
Srivastava, P.C. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 1063 (*synth*)
Eur. Pat., 103 417, (*1984*); *CA*, **101**, 28280 (*uv, synth, deriv*)
Revankar, G.R. *et al*, *J. Med. Chem.*, 1984, **27**, 1389 (*synth, pharmacol*)
Leopold, W.R. *et al*, *Invest. New Drugs*, 1985, **3**, 223 (*pharmacol, rev*)
Gupta, P.K. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 59 (*bibl*)

Dezocine, INN, USAN **D-00116**

13-Amino-5,6,7,8,9,10,11,12-octahydro-5-methyl-5,11-methanobenzocyclodecen-3-ol, 9CI

[53648-55-8]



Absolute configuration

$C_{16}H_{23}NO$ M 245.364

(−)-form

Analgesic.

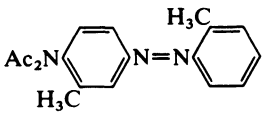
B,HBr: [57236-36-9]. *Dalgan. Wy 16225.* Mp 269-270°.

Freed, M.E. *et al*, *J. Med. Chem.*, 1973, **16**, 597 (*synth, pharmacol*)
Donohue, J. *et al*, *J. Cryst. Mol. Struct.*, 1981, **11**, 69 (*cryst struct, abs config*)
Petro, D.J., *Clin. Anaesthesiol.*, 1983, **1**, 159 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12637.

Diacetazotol **D-00117**

N-Acetyl-N-[2-methyl-4-[(2-methylphenyl)azo]-phenyl]acetamide, 9CI. 4-(Diacetylamino)-2',3-dimethylazobenzene. 4''-(o-Tolylazo)-o-diacetotoluidide. Dermagan. Diacetotoluide. Diacetylaminoazotoluene. Diamazo. Diazol. Dimazon. Epidermol. Epidon. Epithelon. Granulin. Pellidole. Pioderm

[83-63-6]



$C_{18}H_{19}N_3O_2$ M 309.367

Dimorphic. Topical dermatologic. Used to stimulate wound epitheliazation. Brick-red needles or stout red prisms. Mp 65°, Mp 75° respec.

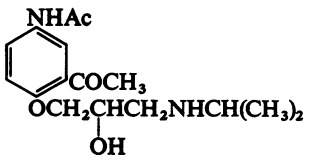
▷AB4230000.

Ger. Pat., 253 884, (*1912*)
Ettel, I.V. *et al*, *Collect. Czech. Chem. Commun.*, 1948, **13**, 161 (*synth*)
Rerabek, J. *et al*, *CA*, 1952, **46**, 7234 (*props*)
Jirasek, L. *et al*, *Cesk. Dermatol.*, 1966, **41**, 38 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2235.

Diacetolol, BAN, INN **D-00118**

N-[*3-Acetyl-4-[2-hydroxy-3-[(methylethyl)amino]-propoxy]phenyl]acetamide, 9CI. 3'-Acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]acetanilide, 8CI*

[28197-69-5]



$C_{16}H_{24}N_2O_4$ M 308.377

(±)-form [22568-64-5]

β-Adrenergic blocker. Mp 131-134°.

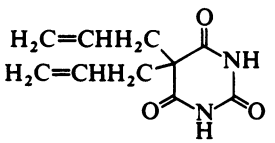
B,HCl: Diacetolol hydrochloride, USAN. EU 4891. M. + B. 16942A. RP 36903.

Basil, B. *et al, J. Med. Chem.*, 1976, **19**, 399 (*synth, pharmacol*)
Basil, B. *et al, Eur. J. Pharmacol.*, 1982, **80**, 47 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12638.

5,5-Diallylbarbituric acid **D-00119**

5,5-Di-2-propenyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. ***Allobarbital, USAN, INN.*** *Allobarbitone. Allylbarbitural. Diallylbarbital. Diallymal. NSC 9324. Other proprietary names*

[52-43-7]



$C_{10}H_{12}N_2O_3$ M 208.216

Powerful hypnotic. Plates (H_2O). Mp 173°.

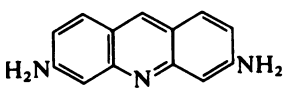
▷CQ3325000.

Nadkarni, M.V. *et al, J. Am. Pharm. Assoc.*, 1950, **39**, 297 (*synth*)
Weinswig, M.H. *et al, J. Pharm. Sci.*, 1967, **56**, 909 (*synth, pharmacol*)
Escobar, C., *Acta Crystallogr., Sect. B*, 1975, **31**, 1059 (*struct*)
Harvey, D.J. *et al, Drug Metab. Dispos.*, 1977, **5**, 527 (*metab*)
Asada, S. *et al, Bull. Chem. Soc. Jpn.*, 1978, **51**, 3379 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1538 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4003.

3,6-Diaminoacridine **D-00120**

3,6-Acridinediamine, 9CI. 2,8-Diaminoacridine (obsol.). ***Proflavine, INN.*** *Isoflav. Pancridine. Sanoflavin*

[92-62-6]



$C_{13}H_{11}N_3$ M 209.250

Derivs. are antiseptics. Yellow cryst. Mp 284-286°. Green fluor. in EtOH, blue in H_2SO_4.

▷Potent mutagen. AR8670000.

B,H₂SO₄: [553-30-0]. Antiseptic. Red or red-brown cryst. + $1H_2O$. Spar. sol. H_2O.

▷AR9065000.

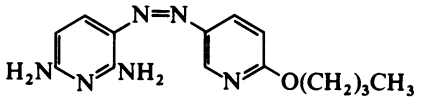
B,MeCl: [8063-24-9]. *Acriflavinium chloride, INN. Acriflavine. Numerous proprietary names.* Antiinfective. Deep orange powder. Commercial Acriflavine is normally a mixt. of B,MeCl.HCl and B,2HCl.

Scherlin, S.M. *et al, Justus Liebigs Ann. Chem.*, 1935, **516**, 218 (*synth*)
Albert, A. *et al, J. Chem. Soc.*, 1936, 93 (*synth*)
Goldberg, A.A. *et al, J. Chem. Soc.*, 1946, 102 (*synth*)
Albert, A., Ed., *The Acridines*, 2nd. Ed., St. Martins Press, N.Y. 1966 (*rev*)
Acheson, R.M., *Acridines*, 2nd Ed., Interscience, N.Y. 1973 (*rev*)
Achari, A. *et al, Acta Crystallogr., Sect. B*, 1976, **32**, 2537 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3124 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2201, 2271.

2,6-Diamino-2'-butyloxy-3,5'-azopyridine **D-00121**

3-[(6-Butoxy-3-pyridinyl)azo]-2,6-pyridinediamine, 9CI. Butazopyridine. Neotropin. Niazo. Savapyrin

[617-19-6]



$C_{14}H_{18}N_6O$ M 286.336

Urinary antiseptic. Orange cryst. Mp 129°.

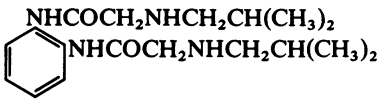
B,HCl: Mp 227°.

Zernik, F., *Pharm.-Ztg.*, 1930, **75**, 1204; *Chem. Zentralbl.*, 1930, **2**, 3812.
B.P., 341 598; *Chem. Zentralbl.*, 1931, **1**, 2678.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12474.

Diaminocaine **D-00122**

N,N'-*1,2-Phenylenebis[2-[(2-methylpropyl)amino]-acetamide.* N,N'-(o-*Phenylene)bis[(isobutylamino)-acetamide]. Ambrostasin*

[23724-96-1]



$C_{18}H_{30}N_4O_2$ M 334.461

Local anaesthetic. Mp 88-89°.

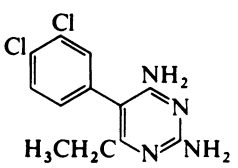
B,2HCl: Cryst. (MeOH). Mp 264°.

Tricerri, S. *et al, Farmaco, Ed. Sci.*, 1957, **12**, 954 (*synth, pharmacol*)

2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, 8CI **D-00123**

5-(3,4-Dichlorophenyl)-6-ethyl-2,4-pyrimidinediamine, 9CI. ***Etoprine, USAN.*** *BW 276U. DDEP*

[18588-57-3]



$C_{12}H_{12}Cl_2N_4$ M 283.160

Antineoplastic drug. Also has antimalarial props. Mp 230°.

▷UV8150000.

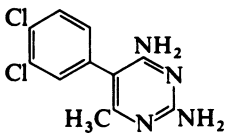
Russell, P.B. *et al, J. Am. Chem. Soc.*, 1951, **73**, 3763 (*synth*)
Roth, B. *et al, J. Org. Chem.*, 1969, **34**, 821 (*uv*)

South African Pat., 74 01 882, (*1975*); *CA*, **84**, 189423s (*synth, pharmacol*)
Nichol, C.A. *et al*, *Cancer Treat. Rep.*, 1977, **61**, 559 (*pharmacol*)
Cavallito, J.C. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 329 (*metab*)

2,4-Diamino-5-(3,4-dichlorophenyl)-6-methylpyrimidine, 8CI D-00124

5-(3,4-Dichlorophenyl)-6-methyl-2,4-pyrimidinediamine, 9CI. ***Metoprine, USAN.*** *Delcronol. Metodiklorofen. BW 50-197. BW 197U. NSC 19494. SK 52625. U 197*

[7761-45-7]



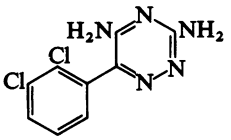
$C_{11}H_{10}Cl_2N_4$ M 269.133
Antineoplastic agent. Mp 275-276°.
▷UV8180000.

Russell, R.B. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3763 (*synth*)
Roth, B. *et al*, *J. Org. Chem.*, 1969, **34**, 821 (*uv*)
Baker, B.R. *et al*, *J. Med. Chem.*, 1970, **13**, 1130 (*pharmacol*)
Nichol, C.A. *et al*, *Cancer Treat. Rep.*, 1977, **61**, 559 (*pharmacol*)
Cavallito, J.C. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 329 (*metab*)
Cody, V., *Cancer Biochem. Biophys.*, 1983, **6**, 173 (*cryst struct*)

3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine D-00125

6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine, 9CI. ***Lamotrigine, BAN, INN, USAN.*** *BW 430C*

[84057-84-1]



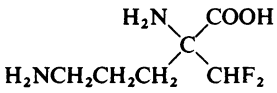
$C_9H_7Cl_2N_5$ M 256.094
Anticonvulsant drug. Mp 167-169°.

Eur. Pat., 21 121, (*1982*); *CA*, **98**, 89397d (*synth, pharmacol*)
Eur. Pat., 142 306, (*1985*); *CA*, **103**, 142021 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18658.

2,5-Diamino-2-(difluoromethyl)pentanoic acid D-00126

2-(Difluoromethyl)ornithine, 9CI. ***Eflornithine, INN.*** *MDL 71782. RMI 71782. DFMO*

[70052-12-9]



$C_6H_{12}F_2N_2O_2$ M 182.170
▷RM2981600.

(+)-***form*** [103957-16-0]
B,HCl: [70050-55-4]. Cryst. (EtOH aq.). Mp 240°. $[\alpha]_D$ +7° (c, 0.48 in MeOH).

(−)-***form*** [66640-93-5]
B,HCl: [69955-42-6]. Cryst. (EtOH aq.). Mp 244°. $[\alpha]_D$ −10° (c, 0.7 in MeOH).

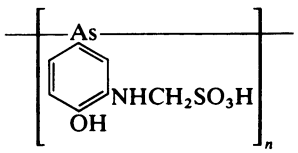
(±)-***form*** [67037-37-0]
Antiprotozoal, antitumour agent.
▷RM2981700.

B,HCl: [68278-23-9]. *Eflornithine hydrochloride, USAN.* Cryst. + $1H_2O$ (EtOH aq.). Mp 183°.

Bey, P. *et al*, *J. Org. Chem.*, 1979, **44**, 2732 (*synth*)
Janne, J. *et al*, *Med. Biol.*, 1981, **59**, 448 (*rev, pharmacol*)
McCann, P.P. *et al*, *Adv. Polyamine Res.*, 1981, **3**, 97 (*rev, pharmacol*)
Fozard, J.R. *et al*, *Trends Pharmacol. Sci.*, 1982, **3**, 107 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16604.

3,3'-Diamino-4,4'-dihydroxyarsenobenzene-*N,N'*-dimethylenesulfonic acid D-00127

[1,2-Diarsenediylbis[(6-hydroxy-3,1-phenylene)imino]]bismethanesulfonic acid



$C_7H_8AsNO_4S$ M 277.126
Acid and Na salt are polymeric.

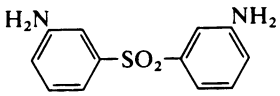
Na salt: [618-82-6]. ***Sulfarsphenamine, INN.*** *Myarsenol. Several other synonyms.*
$C_{14}H_{14}As_2N_2Na_2O_8S_2$ M 598.216
Antisyphilitic agent. Dark-yellow solid. V. sol. H_2O, sl. sol. EtOH.
▷PB1400000.

Goddard, A.E., *Textbook of Inorg. Chem.*, vol. XI, *Organometallic Compds.*, pt. II, 1930, Charles Griffin and Co., London, 390.
Dyke, W.J.C. *et al*, *J. Chem. Soc.*, 1935, 1745.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3134.

3,3'-Diaminodiphenyl sulfone D-00128

3,3'-Sulfonylbisbenzenamine, 9CI. 3,3'-Sulfonyldianiline, 8CI. Bis(3-aminophenyl) sulfone

[599-61-1]



$C_{12}H_{12}N_2O_2S$ M 248.299
Has antileprotic props. Used in polymerisations. Prisms. Mp 168°.
▷BY8800000.

Baker, B.R. *et al*, *J. Org. Chem.*, 1950, **15**, 400 (*synth*)
Hart, W.F. *et al*, *J. Org. Chem.*, 1962, **27**, 338 (*synth*)
Czech. Pat., 158 469, (*1975*); *CA*, **84**, 16955 (*synth*)
Ayyangar, N.R. *et al*, *Synthesis*, 1981, 640 (*synth, ir, pmr, ms*)

4,4'-Diaminodiphenyl sulfone D-00129

4,4'-Sulfonylbisbenzenamine, 9CI. 4,4'-Sulfonyldianiline, 8CI. Bis(4-aminophenyl) sulfone. ***Dapsone, BAN, USAN, INN.*** *Avlosulfon. Diaphenylsulfone. Metabolite C. NSC 6091. Other proprietary names*

[80-08-0]

$C_{12}H_{12}N_2O_2S$ M 248.299
Dimorphic. Antileprotic drug. Used in polymerisation. Cryst. (EtOH aq.). Mp 175-176°, Mp 180.5°.
▷BY8925000.

N,N'-*Di-Ac:* [77-46-3]. *Bis(4-acetamidophenyl)sulfone.* ***Acedapsone, BAN, INN, USAN.*** *Acetyldiphenasone. Other proprietary names.*
$C_{16}H_{16}N_2O_4S$ M 332.373

Antimalarial and antileprotic drug. Mp 289-292°.

▷AE7175000.

N,N′-*Di-Me:* [7324-96-1].

$C_{14}H_{16}N_2O_2S$ M 276.353

Leaflets (1,2-dichlorobenzene). Mp 276°.

N,N,N′,N′-*Tetra-Me:*

$C_{16}H_{20}N_2O_2S$ M 304.406

Leaflets (1,2-dichlorobenzene). Mp 304°.

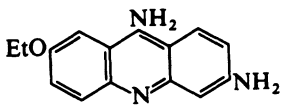
N,N′-*Bis(1-sulfoglucoside): see Glucosulfone, G-00057*

Heymann, H. *et al, J. Am. Chem. Soc.*, 1945, **67**, 1979 (*synth, derivs*)
Org. Synth., Coll. Vol., **3**, 239 (*synth*)
Elslager, E.F. *et al, J. Med. Chem.*, 1969, **12**, 357, 591 (*Acedapsone*)
Dickinson, C. *et al, J. Chem. Soc., Chem. Commun.*, 1970, 920 (*cryst struct*)
Bass, A.D., *Drills Pharmacol. Med. 4th Ed.*, 1971, 1674 (*rev, derivs*)
Popoff, I.C. *et al, J. Med. Chem.*, 1971, **14**, 550 (*Acedapsone*)
Orzech, C.A. *et al, Anal. Profiles Drug Subst.*, 1976, **5**, 87 (*rev*)
Ayyangar, N.R. *et al, Synthesis*, 1981, 640 (*synth, ir, pmr, ms*)
Kulkarni, M.S. *et al, Indian J. Phys. A*, 1982, **56**, 420 (*cryst struct*)
Zuidema, J. *et al, Clin. Pharmacokinet.*, 1986, **11**, 299 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2261, 3939 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6551, 6554, 6559.

3,9-Diamino-7-ethoxyacridine D-00130

7-Ethoxy-3,9-acridinediamine, 9CI. ***Ethacridine, INN***

[442-16-0]



$C_{15}H_{15}N_3O$ M 253.303

Orange-yellow cryst. (EtOH aq.). Mp 226°.

*3,9-Di-*N*-Ac:*

$C_{19}H_{19}N_3O_3$ M 337.377

Cryst. (Py aq.). Mp 296-297° dec.

Lactate: [1837-57-6]. *Rivanol. Antidiar 200. Acrinolum.* Antiseptic, disinfectant. Pale-yellow cryst. + $1H_2O$ ($EtOH/Et_2O$). Mp 235°. Darkens at 200°.

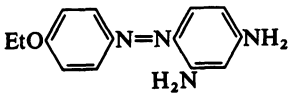
▷OD4725000.

Albert, A. *et al, Chem. Ind. (London)*, 1942, 159 (*synth*)
Sasa, T., *J. Soc. Org. Synth. Jpn.*, 1954, **12**, 24; *CA*, **51**, 2780 (*synth*)
Gabler, K. *et al, Pharmazie*, 1957, **12**, 79 (*rev*)
Khaletskii, A.M. *et al, Zh. Obshch. Khim.*, 1958, **28**, 2821; *CA*, **53**, 9224.
Rising, T.J. *et al, Arzneim.-Forsch.*, 1977, **27**, 872; 1978, **28**, 631 (*metab*)
Neidle, S. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 2420 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3536 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2243.

2,4-Diamino-4′-ethoxyazobenzene D-00131

*4-[(4-Ethoxyphenyl)azo]-1,3-benzenediamine, 9CI. 4-[(p-Ethoxyphenyl)azo]-*m*-phenylenediamine, 8CI.* ***Etoxazene, INN.*** *Carmurit. Cystural. Ethoxazene.* p-*Ethoxychrysoidine*

[94-10-0]



$C_{14}H_{16}N_4O$ M 256.307

Analgesic, acid/base indicator. Orange needles. Mp 116-117°.

▷ST2500000.

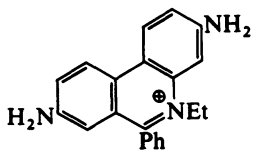
B,HCl: [2313-87-3]. *Ethoxazene hydrochloride, USAN. Serenium. SQ 2128. NSC 7214. SN 612.* Red powder. Sol. boiling H_2O, EtOH.

Lott, W.A. *et al, J. Am. Pharm. Assoc.*, 1934, **23**, 785 (*pharmacol*)
Czech. Pat., 90 620, (*1959*); *CA*, **55**, 7767f (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3161 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2643.

3,8-Diamino-5-ethyl-6-phenylphenanthridinium(1+), 9CI, 8CI D-00132

Homidium. Ethidium. Babidium. Novidium

[3546-21-2]



$C_{21}H_{20}N_3^{\oplus}$ M 314.409 (ion)

Antimetab., antitrypanosomiatic. Dyestuff.

▷Potent mutagen to yeast DNA. SF7949800.

Bromide: [1239-45-8]. *Homidium bromide, BAN, INN. Dromilac. Ethidium bromide. RD 1572.*

$C_{21}H_{20}BrN_3$ M 394.313

Dark-red cryst. (EtOH). Mp 238-240°.

▷SF7950000.

Walls, L.P. *et al, J. Chem. Soc.*, 1950, 41 (*synth*)
Slonimski, P.P. *et al, Biochem. Biophys. Res. Commun.*, 1968, **30**, 232 (*tox*)
Thomas, G. *et al, FEBS Lett.*, 1972, **26**, 169 (*pmr*)
Hudson, B. *et al, Biopolymers*, 1975, **14**, 1309 (*uv*)
Shabanowitz, J. *et al, Biomed. Mass Spectrom.*, 1975, **2**, 164 (*ms*)
Waring, M., *Antibiotics*, 1975, **3**, 141 (*rev, pharmacol*)
Griggs, B.G. *et al, Org. Magn. Reson.*, 1980, **14**, 371 (*cmr*)
Fraire, C. *et al, Drug Metab. Dispos.*, 1981, **9**, 156 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12826.

2,6-Diamino-3-phenylazopyridine D-00133

3-Phenylazo-2,6-pyridinediamine, 9CI. ***Phenazopyridine, BAN, INN.*** *Numerous proprietary names*

[94-78-0]



$C_{11}H_{11}N_5$ M 213.241

Urinary tract analgesic. Also used in stomach pH detn. Red cryst. Mp 139°.

▷Exp. carcinogen. US7700000.

B,HCl: [136-40-3]. *Phenazopyridine hydrochloride, USAN. Pyridium. Azomine. Suladyne. NSC 1879.* Mp 233-238°.

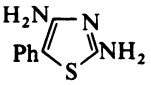
▷Exp. carcinogen. US7875000.

Shreve, R.H. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 2241 (*synth*)
Elvidge, J.A. *et al*, *J. Chem. Soc.*, 1952, 5008 (*synth*)
Blessel, K.W. *et al*, *Anal. Profiles Drug Subst.*, 1974, **3**, 465 (*rev*)
Baeyens, W. *et al*, *Pharmazie*, 1980, **35**, 86 (*synth, pmr*)
Bailey, K. *et al*, *Drug Metab. Dispos.*, 1983, **11**, 277 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1891 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2685.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 342, 542.

2,4-Diamino-5-phenylthiazole D-00134

5-Phenyl-2,4-thiazolediamine, *9CI*. ***Amiphenazole*, *BAN*, *INN***. *Amifenazole. Amphizol. Daftazol. Daptazole. Dizol. Phenamizol. DHA 245*

[490-55-1]



$C_9H_9N_3S$ M 191.250
Respiratory stimulant, morphine and barbiturate antagonist. Flakes (EtOH aq. or H_2O). Mp 163-164° dec.

▷XJ4020000.

B,HCl: [942-31-4]. Mp 272°.

▷XJ4025000.

Picrate: Yellow prisms (H_2O). Mp 189-191° dec.

Davies, W. *et al*, *J. Chem. Soc.*, 1950, 3491 (*synth*)
Dodson, R.H. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4517 (*synth*)
Chase, B.H. *et al*, *J. Chem. Soc.*, 1955, 4443.
Frey, H.A. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 583 (*pharmacol*)
Lundy, J.S. *et al*, *J. Am. Med. Assoc.*, 1957, **163**, 1455 (*props*)
Woo, J.T.C. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 763 (*pharmacol*)
Singh, J.M. *et al*, *CA*, 1969, **70**, 115046 (*synth*)
Miryan, N.L. *et al*, *Khim.-Farm. Zh.*, 1973, **7**, 17 (*synth, props*)
Ceder, O. *et al*, *Tetrahedron*, 1975, **31**, 963 (*nmr, tautom*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1411.

1,3-Diamino-2-propanol, 9CI D-00135

2-Hydroxytrimethylenediamine

[616-29-5]

$H_2NCH_2CH(OH)CH_2NH_2$

$C_3H_{10}N_2O$ M 90.125
Mp 42°. Bp 235°, Bp_{20} 145-165°.

▷Highly flammable, flash pt. −3°

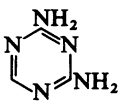
B,2HCl: [34989-00-9]. Needles (EtOH aq.). Mp 184.5°.
Picrate: Yellow needles (H_2O). Mp 236-237.2°.
N-*Tetra-Me:*
$C_7H_{18}N_2O$ M 146.232
Bp_{17} 80-82°.
N-*Hexa-Me, diiodide:* [123-47-7]. *2-Hydroxy-N,N,N,N′,N′,N′-hexamethyl-1,3-propanediaminium diiodide*, *9CI*. *(2-Hydroxytrimethylene)-bis(trimethylammonium)diiodide*, *8CI*. *Prolonium iodide*, *INN*. *Entodon. Esiodine. Iodoxil. Propiodal. Tensodex. Numerous proprietary names.*
$C_9H_{24}I_2N_2O$ M 430.110
Spasmolytic, hypertensive agent; iodine source. Mp 275° dec.

Gödeckemeyer, C., *Ber.*, 1888, **21**, 2684 (*synth*)
Gabriel, S., *Ber.*, 1889, **22**, 224.
U.S.P., 1 526 627, (*1925*); *CA*, **19**, 1757 (*Prolonium*)
Gibson, C.S. *et al*, *J. Chem. Soc.*, 1942, 163 (*deriv*)
Roushdi, I.M. *et al*, *CA*, 1947, **41**, 6188c (*Prolonium*)
Van der Werf, C.A. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1231 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1386.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13175.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 542.

2,4-Diamino-1,3,5-triazine D-00136

1,3,5-Triazinediamine, *9CI*. *Formoguanamine. Guanamine. Diamino-s-triazine. Afigan. Diurazine. Iperdiurin. Neodiuril. Reciogan*

[504-08-5]



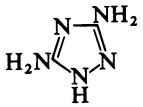
$C_3H_5N_5$ M 111.106
Diuretic. Needles (H_2O). Mp 325° (>350°). pK_a 5.12. Many derivs. known.
N,N-*Di-Me:* [4039-98-9].
$C_5H_9N_5$ M 139.160
Mp 192°.
N,N′-*Di-Me:* [30368-50-4].
$C_5H_9N_5$ M 139.160
Mp 204°.
N-*Ph: see Amanozine, A-00162*
N-*(4-Chlorophenyl): see N-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, C-00275*

Lipschitz, W.L. *et al*, *J. Pharmacol. Exp. Ther.*, 1948, **92**, 131 (*pharmacol*)
Smolin, E.M. *et al*, *Chem. Heterocycl. Compd.*, 1959, **13**, 222 (*bibl, derivs*)
Bredereck, H. *et al*, *Angew. Chem.*, 1963, **75**, 825 (*synth*)
Huffmann, K.R. *et al*, *J. Org. Chem.*, 1963, **28**, 1816 (*synth*)
Piskala, A. *et al*, *Collect. Czech. Chem. Commun.*, 1963, **28**, 1681 (*synth*)
Moschel, R.C. *et al*, *J. Org. Chem.*, 1974, **39**, 1983 (*synth*)
Wendelin, W. *et al*, *Monatsh. Chem.*, 1981, **112**, 853 (*synth*)

3,5-Diamino-1*H*-1,2,4-triazole D-00137

1H-1,2,4-Triazole-3,5-diamine, *9CI*. *Guanazole. NSC 1895*

[1455-77-2]



$C_2H_5N_5$ M 99.095
Antineoplastic agent. Prisms (H_2O). Mp 206°.

▷XZ4535000.

B,HCl: [6415-36-7]. Mp 100°.
B,2HCl: Mp 145°.
Picrate: Yellow cryst. or flat needles (H_2O). Mp 245°, 249-251° dec.
3-N-*Ac:*
$C_4H_7N_5O$ M 141.132
Cryst. (H_2O). Mp 296°.
3,5-Di-N-*Ac:* [60010-81-3].
$C_6H_9N_5O_2$ M 183.169
Cryst. (H_2O). Mp ca. 330°.
1-Me, picrate:
$C_3H_7N_5$ M 113.122
Yellow needles (EtOH aq.). Mp 273-274° dec.
3(5)-N,N-*Di-Me:* [51108-33-9].
$C_4H_9N_5$ M 127.149

Cryst. Mp 189-191°. $Bp_{0.1}$ 125° subl. Hygroscopic.

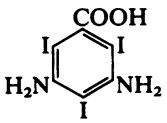
3,3,5,5-Tetra-N-Me: [18377-94-1].
$C_6H_{13}N_5$ M 155.202
Mp 180-182°.

1-Ph: [14575-59-8].
$C_8H_9N_5$ M 175.193
Needles (H_2O). Mp 174-175°.

Pellizzari, E., *Gazz. Chim. Ital.*, 1894, **24**, 481 (*synth*)
Kaiser, D.W. *et al*, *J. Org. Chem.*, 1953, **18**, 1610 (*derivs*)
Steck, E.A. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 3929 (*derivs*)
van den Bos, B.G., *Recl. Trav. Chim. Pays-Bas*, 1960, **79**, 836.
Hahn, M.A. *et al*, *J. Natl. Cancer Inst.*, 1972, **48**, 783 (*pharmacol*)
Adamson, R.A. *et al*, *Xenobiotica*, 1973, **3**, 247 (*metab*)
Starova, G.L. *et al*, *Kristallografiya*, 1980, **25**, 1292 (*struct*)
Temple, C., *Chem. Heterocycl. Compd.*, 1981, **37**, 205 (*bibl, derivs*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 891.

3,5-Diamino-2,4,6-triiodobenzoic acid, 9CI, 8CI D-00138

[5505-16-8]



$C_7H_5I_3N_2O_2$ M 529.842

N,N'-*Di-Ac:* [117-96-4]. ***Diatrizoic acid, BAN, USAN.*** *Amidotrizoic acid. NSC-61815.*
$C_{11}H_9I_3N_2O_4$ M 613.917
Radioopaque substance for contrast radiology. Cryst. (EtOH aq.). Mp >300°.
▷DG5950000.

N,N'-*Di-Ac, Na salt:* [737-31-5]. *Diatrizoate sodium, USAN. Sodium amidotrizoate, INN. Hypaque sodium. Angiografin. Urovist. Cardiografin. Odiston. Renovist. Thixoron. Numerous proprietary names.* Rhombic needles. Mp 261-262° dec. Light-sensitive. ^{125}I and ^{131}I labelled cpds. are used as radioactive agents.
▷DG6125000.

N,N'-*Di-Ac, meglumine salt (1:1):* [131-49-7]. *Meglumine diatrizoate.* Rhombic needles. Mp 189-193° dec. Component of Angiovist 292, Gastrovist, Renovist and Sinografin.
▷LZ4315000.

N,N'-*Dipropanoyl:* [85-16-5]. ***Diprotrizoic acid, INN.***
$C_{13}H_{13}I_3N_2O_4$ M 641.970
Diagnostic aid, radioopaque medium. Brown solid. Mp >340°.
▷DG9290000.

N,N'-*Dipropanoyl, Na salt:* [129-57-7]. *Sodium diprotrizoate, BAN. Miokon-Sodium.*
▷DH9300000.

N-*Me*, N,N'-*di-Ac:* [1949-45-7]. *3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, 9CI.* ***Metrizoic acid.*** *TO-096.*
$C_{12}H_{11}I_3N_2O_4$ M 627.943
Mp 281-282°.
▷DG0887300.

N-*Me*,N,N'-*di-Ac, Na salt:* [7225-61-8]. *Sodium metrizoate, BAN. Metrizoate sodium, USAN. Isopaque. Triosil. NSC 107431.* Radioopaque substance.

N-*Ac*, N'-(*hydroxyacetyl*): [19863-06-0]. *3-(Acetylamino-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, 9CI. 3-Acetamido-5-glycolamido-2,4,6-triiodobenzoic acid, 8CI.* ***Ioxotrizoic acid, INN, USAN.*** *SHH 248AB.*
$C_{11}H_9I_3N_2O_5$ M 629.916
Diagnostic aid, radioopaque medium. Mp 249-251.5-dec.°.

N-*Ac*, N'-(*2-hydroxypropanoyl*): [28179-44-4]. *5-Acetamido-N-[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, 9CI. 5-Acetamido-N-(2-hydroxyethyl)-2,4,6-triiodoisophthalamic acid, 8CI.* ***Ioxitalamic acid, INN.*** *Agelix. Telebrix. Vasobrix. AG 5895. AG 58107.*
$C_{12}H_{11}I_3N_2O_5$ M 643.943
Diagnostic aid, radioopaque medium. Mp 349°.

Larsen, A.A. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3210 (*synth*)
B.P., 791 997, (*1958*); *CA*, **53**, 2163b (*synth*)
Ger. Pat., 1 129 260, (*1962*); *CA*, **58**, 4474c (*synth, deriv, pharmacol*)
Cassebaum, H. *et al*, *Pharmazie*, 1966, **21**, 167 (*synth, pharmacol*)
Ger. Pat., 1 260 477, (*1968*); *CA*, **69**, 35756c (*Ioxotrizoic acid*)
Fr. Pat., M6777, (*1969*); *CA*, **74**, 125223j (*Ioxitalamic acid*)
Ger. Pat., 2 118 219, (*1972*); *CA*, **78**, 20204h (*Ioxotrizoic acid*)
Lerner, H.H., *Anal. Profiles Drug Subst.*, 1975, **4**, 137.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1532, 1534, 1554, 1555, 1556, 1579, 1583.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1824 (*synonyms*)

Diamminedichloroplatinum D-00139

[26035-31-4]

$Pt(NH_3)_2Cl_2$

$Cl_2H_6N_2Pt$ M 300.047

cis-form [15663-27-1]
Cisplatin, BAN, INN, USAN. *Cisplatyl. Neoplatin. Platinex. Platinol.* cis-*DDP. NSC 119875*
Antineoplastic agent. Yellow solid. Mp 270° dec.
▷TP2450000.

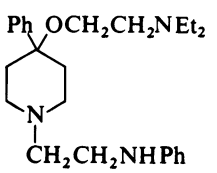
trans-form [14913-33-8]
Yellow. Mp 270° dec.
▷TP2455000.

Inorg. Synth., 1963, **7**, 239 (*synth*)
Rosenberg, B. *et al*, *Nature (London)*, 1965, **205**, 698 (*Cisplatin*)
Prestayko, A.W. *et al*, Eds., *Cisplatin; Current Status and New Developments*, Academic Press, New York, 1980 (*book*)
Douple, E.B., *Pharmacol. Ther.*, 1984, **25**, 297 (*rev, pharmacol*)
Loehrer, P.J. *et al*, *Ann. Intern. Med.*, 1984, **100**, 704 (*rev, pharmacol*)
Riley, C.M. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 77 (*rev, synth, anal, props*)
Siegel, M.M. *et al*, *Biomed. Environ. Mass Spectrom.*, 1986, **13**, 25 (*ms*)
Engel, J. *et al*, *Cancer Treat. Rev.*, 1987, **14**, 275 (*rev, pharmacol*)
Green, M., *Transition Met. Chem.*, 1987, **12**, 186 (*rev, chem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1822.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2244.

Diamocaine, BAN, INN D-00140

4-[2-(Diethylamino)ethoxy]-N,4-diphenyl-1-piperidineethanamine, 9CI. 1-(2-Anilinoethyl)-4-[2-(diethylamino)ethoxy]-4-phenylpiperidine, 8CI

[27112-37-4]



$C_{25}H_{37}N_3O$ M 395.587

Local anaesthetic.

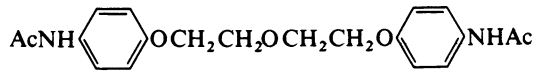
Cyclohexylsulphamic acid salt (1:2): [23469-05-8]. *Diamocaine cyclamate, USAN. Jamaine. R 10948.* Mp 110-121°.

Belg. Pat., 717 143, (*1968*); *CA*, **71**, 81200f (*synth*)
Herman, B. *et al*, *J. Med. Chem.*, 1970, **13**, 835 (*synth, pharmacol*)

Diamphenethide, BAN D-00141

N,N′-[*Oxybis(2,1-ethanediyloxy-4,1-phenylene)*]-*bisacetamide, 9CI. Diamfenetide, INN. Acemidophen. Coriban. Coryphamin. Oxybisphenacetin. BW 68-198*

[36141-82-9]



$C_{20}H_{24}N_2O_5$ M 372.420

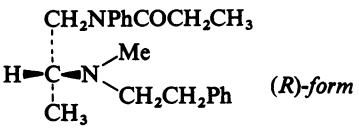
Anthelmintic (veterinary).

Rolands, D., *Pestic. Sci.*, 1973, **4**, 893 (*pharmacol*)
U.S.P., 3 862 226, (*1975*); *CA*, **82**, 125126w (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12639.

Diampromide, BAN, INN D-00142

N-[2-[*Methyl(2-phenylethyl)amino*]*propyl*]-N-*phenylpropanamide, 9CI.* N-[2-(N-*Methylphenethylamino*)-*propyl*]*propionanilide, 8CI. CL 22119. NIH 7603*

[552-25-0]



(*R*)-*form*

$C_{21}H_{28}N_2O$ M 324.465

▷UE5296000.

(*R*)-*form* [6086-67-5]
$Bp_{0.05}$ 162-166°. $[\alpha]_D^{25}$ −25.9°.

(*S*)-*form* [6086-66-4]
$Bp_{0.1}$ 160-165°. $[\alpha]_D^{25}$ +25.2°.

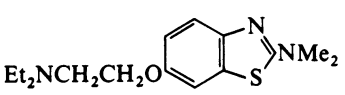
(±)-*form* [6086-65-3]
Analgesic. $Bp_{0.5}$ 174-178°. n_D^{26} 1.546.

Wright, W.B. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1518 (*synth*)
Portoghese, P.S. *et al*, *J. Pharm. Sci.*, 1962, **51**, 1197; 1965, **54**, 1831 (*synth, pharmacol*)
Wright, W.B. *et al*, *J. Med. Chem.*, 1963, **6**, 128 (*synth, pharmacol*)

Diamthazole, BAN D-00143

6-[2-(*Diethylamino)ethoxy*]-N,N-*dimethyl-2-benzothiazolamine, 9CI. Dimazole, INN. Amikazol. Asterol. Atelor. Mycotol. Ro 2-2453*

[95-27-2]



$C_{15}H_{23}N_3OS$ M 293.426

Antifungal agent. Bp_1 195-200°.

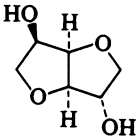
B,2HCl: [136-96-9]. Cryst. (EtOH/Et_2O). Mp 259-261°, 269°.

▷DL3580000.

U.S.P., 2 578 757, (*1951*); *CA*, **46**, 6158 (*synth, pharmacol*)
Utsumi, I. *et al*, *J. Pharm. Soc. Jpn.*, 1954, **74**, 238, 245; *CA*, **48**, 7780; **49**, 3163 (*synth, pharmacol*)
Samolovova, V.G. *et al*, *CA*, 1960, **54**, 21049 (*synth, pharmacol*)
Machon, Z. *et al*, *Acta Pol. Pharm.*, 1965, **22**, 319; *CA*, **64**, 6637 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2575.

1,4:3,6-Dianhydroglucitol, 9CI, 8CI D-00144

1,4:3,6-Dianhydrosorbitol. ***Isosorbide, 9CI, 8CI, USAN, JAN.*** *Devicoran. Hydronol. Ismotic. Isobide. Isorgen* G. *Sorbide (obsol.). NSC 40725*



$C_6H_{10}O_4$ M 146.143

***D*-form** [652-67-5]
Osmotic diuretic. Also a chiral modifying agent for asymmetric redn. of ketones. Mp 62-64°. Bp_2 160-175°. $[\alpha]_D^{20}$ +44.8° (H_2O).

▷LZ4380000.

2-Ac, 5-tosyl:
$C_8H_{12}O_5$ M 188.180
Mp 65-66°. $[\alpha]_D$ +79.2° ($CHCl_3$).

5-Ac, 2-tosyl:
$C_8H_{12}O_5$ M 188.180
$[\alpha]_D$ +83.6° ($CHCl_3$).

2,5-Ditosyl:
$C_{20}H_{22}O_8S_2$ M 454.509
Mp 100-101°. $[\alpha]_D^{23}$ +57.4° (c, 1 in $CHCl_3$).

5-Nitrate: [16051-77-7]. *Isosorbide mononitrate, BAN, INN. Numerous proprietary names.*
$C_6H_9NO_6$ M 191.140
Used for treatment of angina pectoris. Mp 52-53°.

2,5-Dinitrate: [87-33-2]. *Isosorbide dinitrate, BAN, USAN, INN. Dinitrosorbide. Numerous proprietary names.*
$C_6H_8N_2O_8$ M 236.138
Cardiac stimulant, coronary vasodilator. Mp 71°. $[\alpha]_D^{20}$ +135° (EtOH).

▷LZ4385000.

5-Nitrate, 2-tosyl: Mp 75-76°.

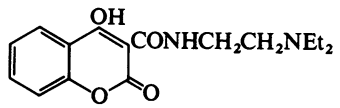
2,5-Dibenzyl:
$C_{20}H_{22}O_4$ M 326.391
$[\alpha]_D$ +75.7° ($CHCl_3$).

Hockett, R.C. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 927.
Wiggins, L.F., *Adv. Carbohydr. Chem.*, 1950, **5**, 191 (*rev, props*)
Cope, A.C. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3177 (*stereochem*)
Jackson, M. *et al*, *Can. J. Chem.*, 1959, **37**, 1048.
Hopton, F.J. *et al*, *Can. J. Chem.*, 1969, **47**, 2395 (*pmr*)
Soltzberg, S., *Adv. Carbohydr. Chem. Biochem.*, 1970, **25**, 229 (*rev*)
Silvieri, L.A. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 225 (*deriv*)
Hirao, A. *et al*, *J. Org. Chem.*, 1979, **44**, 1720 (*use*)
Bogaert, M.G., *Clin. Pharmacokinet.*, 1983, **8**, 410 (*dinitrate, rev*)
Abshagen, U., *Mononitrates* [*Int. Symp.*], 1984, 53 (*nitrates, rev*)
van Koningsveld, H. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 519 (*cryst struct*)
Jelleff, C.C., *Am. Heart. J.*, 1985, **110**, 197 (*dinitrate, rev*)
Fleche, G. *et al*, *Starch/Staerke*, 1986, **38**, 26 (*rev, synth, chem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2336, 9244, 15336.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 453, 474.

Diarbarone, INN **D-00145**

N-[*2-(Diethylamino)ethyl*]-*4-hydroxy-2-oxo-2H-1-benzopyran-3-carboxamide*, *9CI*. *3-[[2-(Diethylamino)-ethyl]carbamoyl]-4-hydroxycoumarin*, *8CI*

[1233-70-1]



$C_{16}H_{20}N_2O_4$ M 304.345

Anticoagulant. Mp 154°.

B,HCl: [1556-61-2]. Mp 225°.

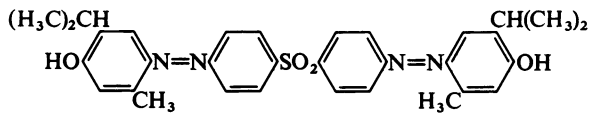
Fr. Pat., 1 397 382, (*1965*); *CA*, **63**, 2960b (*synth, pharmacol*)

Fontaine, L. *et al*, *Med. Pharmacol. Exp.*, 1967, **17**, 497 (*pharmacol*)

Diathymosulfone, INN **D-00146**

[*Sulfonylbis*(p-*phenyleneazo*)]*dithymol*. *Di[4-(4-hydroxy-2-methyl-5-isopropylphenylazo)phenyl]-sulfone*. *Diatox*. *Sulfonatox*. *Thylmolsulfone*. *Thymosulfone*. *Timosulfone*

[5964-62-5]



$C_{32}H_{34}N_4O_4S$ M 570.705

Antimycobacterial agent. Red-brown powder (EtOH aq.). Mp 222-224°.

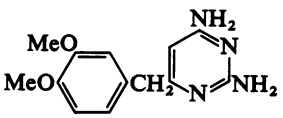
B.P., 758 744, (*1956*); *CA*, **51**, 9689 (*synth*)

Chiarlo, C. *et al*, *Arch. Ital. Sci. Farmacol.*, 1957, **7**, 167 (*synth, pharmacol*)

Diaveridine, USAN, BAN, INN **D-00147**

5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, *9CI*. *2,4-Diamino-5-(3,4-dimethoxybenzyl)-pyrimidine*. *BW 49-210*. *NSC 408735*

[5355-16-8]



$C_{13}H_{16}N_4O_2$ M 260.295

Antibacterial, antiprotozoal. Vet. prod. Synergist with various sulphonamides. Cryst. Mp 233°.

Falco, E.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3758 (*synth*)

Brossi, A. *et al*, *J. Med. Chem.*, 1971, **14**, 58, 462 (*synth, pharmacol*)

Koetzle, T.F. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 323 (*struct*)

Blaney, J.M. *et al*, *J. Med. Chem.*, 1979, **22**, 614 (*synth, props*)

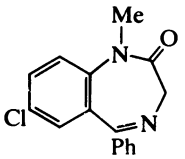
Calas, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 497 (*synth, props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12641.

Diazepam, BAN, USAN, INN **D-00148**

7-Chloro-2,3-dihydro-1-methyl-5-phenyl-1,4-benzodiazepin-2-one, *9CI*. *Valium*. *Tensium*. *Atensine*. *Numerous proprietary names*

[*439-14-5*]



$C_{16}H_{13}ClN_2O$ M 284.745

Extensively used tranquilliser and sedative. Cryst. (Me_2CO/pet. ether). Mp 125-126°.

▷DF1575000.

N-*De-Me:* [1088-11-5]. *7-Chloro-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one*, *9CI*. **Nordazepam, *INN***. *Demethyldiazepam*. *Ro 5-2180*.

$C_{15}H_{11}ClN_2O$ M 270.718

Metab. of Diazepam. Plates (Me_2CO). Mp 216-217°.

▷DF1750000.

N^1-*De-Me*, N^4-*oxide: see Demoxepam, D-00069*

Sternbach, L.H. *et al*, *J. Org. Chem.*, 1961, **26**, 4936 (*synth, Nordazepam*)

Sternbach, L.H. *et al*, *J. Org. Chem.*, 1962, **27**, 3788 (*synth*)

Blazevic, N. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 531 (*uv*)

Camerman, A. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 268 (*cryst struct*)

MacDonald, A. *et al*, *Anal. Profiles Drug Subst.*, 1972, **1**, 79 (*uv, ir, ms, pmr, anal*)

Sunjic, V. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 340 (*synth, pharmacol*)

Singh, S.P. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 1083 (*pmr*)

Scahill, T.A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 280 (*pmr, cmr*)

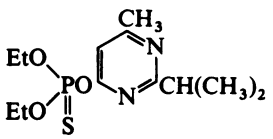
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3419, 3845.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7035, 7036.

Diazinon, BSI, BAN **D-00149**

O,O-*Diethyl* O-[*6-methyl-2-(1-methylethyl)-4-pyrimidinyl*] *phosphorothioate*, *9CI*. *2-Isopropyl-6-methyl-4-pyrimidyl phosphorothioic acid* O,O′-*diethyl ester*. **Dimpylate, *INN***. *Basudin*. *Diazitol*. *Spertacide*. *Other proprietary names*

[333-41-5]



$C_{12}H_{21}N_2O_3PS$ M 304.343

Nonsystemic insecticide for rice and fruit trees. Cholinesterase inhibitor. Liq. d^{20} 1.117. $Bp_{0.002}$ 83-84°. n_D^{20} 1.498. Slowly dec. by H_2O and dil. acids. Component of Neocidol.

▷Highly toxic, TLV (skin) 0.1. Exp. teratogen. TF3325000.

Gasser, R., *Z. Naturforsch., B*, 1953, **8**, 225 (*rev, use*)

Gysin, H., *Chimia*, 1954, **8**, 205, 221 (*synth*)

Shvetsova-Shilovskaya, K.D. *et al*, *Zh. Obshch. Khim.*, 1956, **26**, 808; *CA*, **50**, 14769 (*synth*)

Mortland, M.M. *et al*, *J. Agric. Food Chem.*, 1967, **15**, 163 (*uv, complexes*)

Keith, L.H. *et al*, *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)

Pardue, J. *et al*, *J. Agric. Food Chem.*, 1970, **18**, 405 (*metab, ir, ms, glc*)

Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P-31 nmr*)

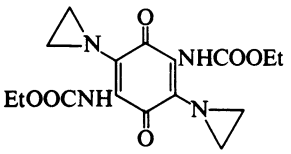
Gore, R.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*ir, uv*)

Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Pesticide Manual, 6th Ed., 163; 7th Ed., 171.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A131.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2568.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564, 18132.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 544.

Diaziquone, USAN, INN D-00150

Diethyl [2,5-bis(1-aziridinyl)-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]biscarbamate, 9CI. Aziridinyl benzoquinone. AZQ. CI 904. NSC-182986

[57998-68-2]



$C_{16}H_{20}N_4O_6$ M 364.357

Antineoplastic (antileukaemic) agent. Orange needles (EtOH). Mp 230°.

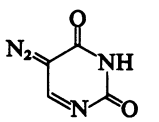
▷EY8794000.

Khan, A.H. *et al*, *J. Med. Chem.*, 1976, **19**, 313 (*synth, pharmacol*)
Kelly, J.A. *et al*, *J. Liq. Chromatogr.*, 1981, **4**, 1855 (*hplc*)
Bender, J.F. *et al*, *Invest. New Drugs*, 1983, **1**, 71 (*rev*)
Egorin, M.J. *et al*, *Cancer Res.*, 1985, **45**, 992 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19066.

5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione, 9CI D-00151

5-Diazouracil

[2435-76-9]



$C_4H_2N_4O_2$ M 138.085

Inhibitor of cell division in bacteria. Virostatic and carcinostatic. Cryst. (H_2O). Mp 198° dec.

▷YQ9630000.

3-Me:

$C_5H_4N_4O_2$ M 152.112

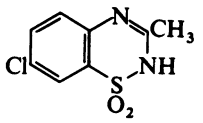
Cryst. Mp 123-124°.

Johnson, T.B. *et al*, *Ber.*, 1931, **64**, 2629 (*synth*)
Thurber, T.C. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 629 (*synth, ir, pmr, uv, struct*)

Diazoxide, BAN, USAN, INN D-00152

7-Chloro-3-methyl-2H-1,2,4-benzothiadiazine 1,1-dioxide, 9CI. Hyperstat. NSC 64198. Numerous proprietary names

[364-98-7]



$C_8H_7ClN_2O_2S$ M 230.669

Antihypertensive agent. Cryst. (EtOH aq.). Mp 330-331°. λ_{max} 268 nm (ε 11 300) (MeOH).

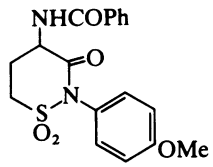
▷DK8185000.

Rubin, A.A. *et al*, *Science*, 1961, **133**, 2067.
Raffa, L. *et al*, *Farmaco, Ed. Sci.*, 1974, **39**, 411.
Bandoli, G. *et al*, *J. Cryst. Mol. Struct.*, 1978, **7**, 229 (*cryst struct*)
Paulissian, R., *Int. Anesthesiol. Clin.*, 1978, **16**, 201 (*rev, pharmacol*)
Scriabine, A., *Pharmacol. Antihypertens. Drugs*, 1980, 397 (*rev*)
Wollweber, H. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 279 (*synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 826 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 862.

Dibatod D-00153

N-[*Tetrahydro-2-(4-methoxyphenyl)-3-oxo-2H-1,2-thiazin-4-yl]benzamide 1,1-dioxide, 9CI*

[14079-08-4]



$C_{18}H_{18}N_2O_5S$ M 374.411

(±)-form

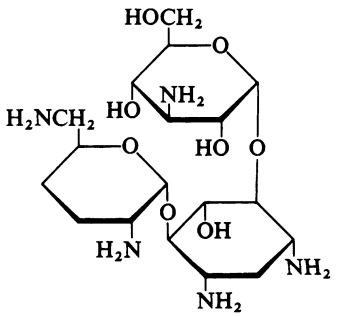
Antiviral agent. Mp 248-249°.

Lora-Tamayo, M. *et al*, *CA*, 1967, **66**, 115424 (*synth, pharmacol*)
Rico, S. *et al*, *Microbiol. Espan.*, 1972, **25**, 145 (*pharmacol*)

Dibekacin, BAN, INN, JAN D-00154

3',4'-Dideoxykanamycin B. Orbicin. Debecacin. Other proprietary names

[34493-98-6]



$C_{18}H_{37}N_5O_8$ M 451.519

Aminocyclitol antibiotic. Semisynthetic. Active against some kanamycin-resistant bacteria. Solid. $[\alpha]_D^{20}$ +132° (c, 0.65 in H_2O).

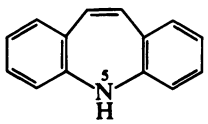
▷LD 63 mg/kg (mice). WK1985000.

Sulfate: [58580-55-5]. *Panimycin. Debekacyl.*
Yellowish-white powder with bitter taste.
▷WK1990000.
N′-(*4-Amino-2-hydroxybutanoyl*): [51025-85-5]. *Habekacin.* ***Arbekacin, INN.*** *HBK.*
$C_{22}H_{44}N_6O_{10}$ M 552.624
Semisynthetic. Antibacterial agent.

Umezawa, S. *et al, J. Antibiot.*, 1971, **24**, 485 (*synth*)
Fakatsu, S., *Jpn. J. Antibiot.*, 1972, **32** (*Suppl.*), S178 (*rev*)
Umezawa, S. *et al, Bull. Chem. Soc. Jpn.*, 1972, **45**, 3624 (*synth*)
Miyake, T. *et al, Carbohydr. Res.*, 1976, **49**, 141 (*synth*)
Tsuchiya, T. *et al, Tetrahedron Lett.*, 1979, 4951 (*synth, deriv*)
Yoneta, T. *et al, Bull. Chem. Soc. Jpn.*, 1979, **52**, 1131 (*synth*)
Tanaka, Y. *et al, J. Antibiot.*, 1981, **34**, 892 (*deriv*)
Matsuno, T. *et al, Carbohydr. Res.*, 1982, **109**, 271 (*synth*)
Takeda, N. *et al, Org. Mass Spectrom.*, 1982, **17**, 247 (*ms*)
Noone, P., *Drugs*, 1984, **27**, 548 (*rev, pharmacol*)
Chemotherapy (Tokyo), 1986, **34**, Suppl. 1 (*deriv, numerous papers*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5083.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 67.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 899.

5*H*-Dibenz[*b,f*]azepine, 9CI D-00155

Iminostilbene
[256-96-2]

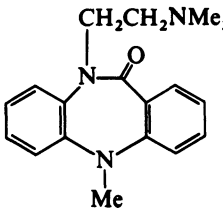


$C_{14}H_{11}N$ M 193.248
Orange cryst. (MeOH). Mp 196.5-198°.
5-N-Ac: [19209-60-0].
$C_{16}H_{13}NO$ M 235.285
Mp 120°.
5-N-Me: [52249-32-8].
$C_{15}H_{13}N$ M 207.274
Cryst. (pet. ether). Mp 142-142.5°.
5-Carboxamide: [298-46-4]. *5H-Dibenz[b,f]azepine-5-carboxamide, 9CI.* ***Carbamazepine, BAN, USAN, INN, JAN.*** *Numerous proprietary names.*
$C_{15}H_{12}N_2O$ M 236.273
Used to treat trigeminal neuralgia. Anticonvulsant.
Cryst. (EtOH or C_6H_6). Mp 204-206°.
▷HN8225000.
N-*Chlorocarbonyl:* [33948-22-0].
$C_{15}H_{10}ClNO$ M 255.703
Cryst. (toluene). Mp 168-169°.

Bergmann, E.D. *et al, J. Org. Chem.*, 1960, **25**, 827 (*synth*)
Huisgen, R. *et al, Chem. Ber.*, 1960, **93**, 392 (*synth*)
Davis, M.A. *et al, J. Med. Chem.*, 1964, **7**, 88 (*Carbamazepine*)
Aboul-Enein, H.Y. *et al, Anal. Profiles Drug Subst.*, 1980, **9**, 87 (*rev, Carbamazepine*)
Himes, V.L. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 2242 (*Carbamazepine*)
Sinha, A.K. *et al, Indian J. Chem., Sect. B*, 1982, **21**, 237 (*synth, Carbamazepine*)
Harding, M.M., *Acta Crystallogr., Sect. C*, 1983, **39**, 397 (*cryst struct*)
Molock, F.F. *et al, J. Heterocycl. Chem.*, 1983, **20**, 109 (*cmr*)
Hallberg, A. *et al, J. Heterocycl. Chem.*, 1984, **21**, 197 (*pmr, cmr*)
MacKichan, J.J., *Appl. Ther. Drug Monit.*, 1984, **2**, 73 (*rev, anal, Carbamazepine*)
Schmutz, M., *Handb. Exp. Pharmacol.*, 1985, **74**, 479 (*Carbamazepine, rev*)
Al-Showaier, I. *et al, J. Heterocycl. Chem.*, 1986, **23**, 731 (*ms*)
Bellucci, G. *et al, J. Med. Chem.*, 1987, **30**, 768 (*deriv, synth, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3447 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6605.

Dibenzepin, BAN, INN D-00156

10-[2-(Dimethylamino)ethyl]-5,10-dihydro-5-methyl-11H-dibenzo[b,e][1,4]diazepin-11-one, 9CI. Ansiopax. Deprex "Novo". Ecatril. Neodalit. Neodit. Neodil. Noveril. Victoril. HF 1927
[4498-32-2]

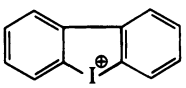


$C_{18}H_{21}N_3O$ M 295.383
Antidepressant. Mp 116-117°. $Bp_{0.01}$ 185°.
▷HP2499000.
B,HCl: [315-80-0]. *Dibenzepin hydrochloride, USAN, JAN.* Mp 234-240°.
▷HP2625000.

Hunziker, F. *et al, Arzneim.-Forsch.*, 1963, **13**, 324 (*prep, pharmacol*)
Lehner, H. *et al, Arzneim.-Forsch.*, 1967, **17**, 185 (*metab*)
Mesnard, P. *et al, Ann. Pharm. Fr.*, 1975, **33**, 279 (*pmr*)
Egli, A. *et al, Anal. Profiles Drug Subst.*, 1980, **9**, 181 (*rev*)
Lopez de Lerma, J. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1424 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2510.

Dibenziodolium D-00157

[244-54-2]

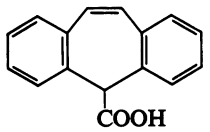


$C_{12}H_8I^{\oplus}$ M 279.100 (ion)
Experimental hypoglycaemic agent. Numerous salts have been prepd.
Fluoride:
$C_{12}H_8FI$ M 298.098
Mp 215°.
Chloride:
$C_{12}H_8ClI$ M 314.553
Cryst. (H_2O). Mp variable between 237° and 294°.
Bromide:
$C_{12}H_8BrI$ M 359.004
Cryst. (H_2O). Mp 245-250° dec.
Iodide:
$C_{12}H_8I_2$ M 406.004
Mp 215°.
Cyanide:
$C_{13}H_8IN$ M 305.117
Turns brown at 130°.
Nitrate:
$C_{12}H_8INO_3$ M 341.105
Cryst. (H_2O). Mp 230°.

Mascarelli, L. *et al, Gazz. Chim. Ital.*, 1908, **36**, 627; 1929, **59**, 858; *CA*, **24**, 2121 (*synth*)

Collette, J. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3819 (*synth*)
Levashova, T.V. *et al*, *Izv. Akad. Nauk. SSSR, Ser. Khim.*, 1972, 1280 (*uv*)

5*H*-Dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid, 9CI, 8CI D-00158



$C_{16}H_{12}O_2$ M 236.270
Cryst. ($CHCl_3$/hexane). Mp 241-242° (234-237°).

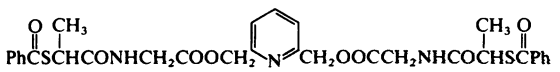
Amide: [10423-37-7]. ***Citenamide, USAN, INN.*** *Cytenamide. AY 15613.*
$C_{16}H_{13}NO$ M 235.285
Anticonvulsant drug. Long needles (MeCN). Mp 193-194°.
▷HO7700000.

Nitrile: [13055-58-8]. *5-Cyano-5H-dibenzo*[a,d]-*cycloheptene.*
$C_{16}H_{11}N$ M 217.270
Cryst. (hexane). Mp 99-100°.

Cristol, S.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 6155 (*synth*)
Davis, M.A. *et al*, *J. Med. Chem.*, 1964, **7**, 88 (*Citenamide*)
U.S.P., 3 287 409, (*1966*); *CA*, **66**, 37702 (*Citenamide*)
Frigerio, A. *et al*, *J. Chromatogr.*, 1977, **134**, 299 (*metab, Citenamide*)

Dibenzothioline D-00159

N-[*2-(Benzoylthio)-1-oxopropyl*]*glycine 2,6-pyridinediylbis(methylene)ester, 9CI. DBT. RIB 150*
[59316-76-6]

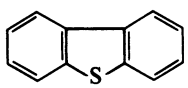


$C_{31}H_{31}N_3O_8S_2$ M 637.721
Hepatoprotectant. Mp 86°.

Ger. Pat., 2 540 461, (*1976*); *CA*, **85**, 5514 (*synth*)
Tongiani, R. *et al*, *Drugs Exp. Clin. Res.*, 1982, **8**, 61 (*pharmacol*)

Dibenzothiophene, USAN, 9CI D-00160

Diphenylene sulfide
[132-65-0]



$C_{12}H_8S$ M 184.255
Keratolytic agent. Cryst. (pet. ether). Mp 99°. Bp 332-333°, Bp_3 152-154°.

Picrate: Yellow cryst. (EtOH). Mp 125°.

5-Oxide: [1013-23-6].
$C_{12}H_8OS$ M 200.255
Mp 189.5-190° (183-185°).

5,5-Dioxide: [1016-05-3].
$C_{12}H_8O_2S$ M 216.254
Cryst. (EtOH). Mp 230°.

Rahman, A.U. *et al*, *Tetrahedron Lett.*, 1968, 3925 (*synth*)
Schaffrin, R.M. *et al*, *J. Chem. Soc.* (*A*), 1970, 1561 (*cryst struct*)
Bartle, K.D. *et al*, *Tetrahedron*, 1971, **27**, 5177 (*pmr*)
Ashby, J. *et al*, *Adv. Heterocycl. Chem.*, 1974, **16**, 181 (*rev*)
Benati, L. *et al*, *Gazz. Chim. Ital.*, 1975, **105**, 841 (*synth*)
Giraud, J. *et al*, *Org. Magn. Reson.*, 1979, **12**, 647 (*cmr*)
Riepe, W. *et al*, *Org. Mass Spectrom.*, 1979, **14**, 455 (*ms*)
Dunkerton, L.V. *et al*, *J. Heterocycl. Chem.*, 1987, **24**, 749 (*cmr*)

Dibenzoyl peroxide, 9CI D-00161

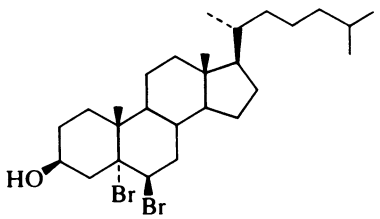
Benzoyl peroxide, USAN. *Benzoyl superoxide. Benoxyl. Benzac. Eloxyl. Persadox. Numerous proprietary names*
[94-36-0]

PhCO-O-O-OCPh

$C_{14}H_{10}O_4$ M 242.231
Catalyst for radical reactions. Added to bread as bleaching agent. Keratolytic agent. Prisms. Mp 106-108° dec. Component of Benzamycin and Vanoxide.
▷Toxic, irritant, TLV 5. Explodes on heating. Can explode spontaneously when dry. DM8576200.

Gambarjan, S., *Chem. Ber.*, 1909, **42**, 4003 (*synth*)
Hey, D.H. *et al*, *J. Chem. Soc.*, 1948, 2213 (*synth*)
Cadogan, J.I.G., *J. Chem. Soc.*, 1959, 2844 (*synth*)
Food Chemicals Codex, 2nd Ed., **2**, 82 (*anal*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, 7, 89.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 723.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 409.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 270.

5,6-Dibromocholestan-3-ol, 9CI D-00162



$C_{27}H_{46}Br_2O$ M 546.468

(3β,5α,6β)-form [1857-80-3]
Cholesterol dibromide
Mp 149-151°. $[\alpha]_D$ −44° (c, 2.1 in $CHCl_3$).

Ac: [514-50-1]. ***Acebrochol, INN.*** *Cholesteryl acetate dibromide.*
$C_{29}H_{48}Br_2O_2$ M 588.505
Hypnotic, sedative. Cryst. (EtOAc/MeOH). Mp 118-121°.

Benzoyl: [26048-47-5]. Mp 134-136°. $[\alpha]_D$ −33° (c, 2.3 in $CHCl_3$).

(3β,5β,6α)-form [5034-92-4]
Mp 139-141°. $[\alpha]_D$ +46° (c, 1.5 in $CHCl_3$).

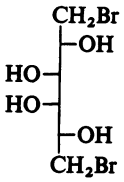
Benzoyl: Mp 160-161°. $[\alpha]_D$ +80.5° (c, 2.5 in $CHCl_3$).

Barton, D.H.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1066 (*synth*)
Jones, R.N. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3215 (*ir*)
Kind, C.A. *et al*, *J. Org. Chem.*, 1953, **18**, 203 (*synth*)
Carman, R.M. *et al*, *Aust. J. Chem.*, 1971, **24**, 1905 (*synth, pmr*)
Kasal, A., *J. Chem. Soc., Perkin Trans. 1*, 1978, 1642 (*synth*)
Trka, A. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 2946 (*ms*)
Roemer, J. *et al*, *J. Prakt. Chem.*, 1983, **325**, 422 (*cmr*)

1,6-Dibromo-1,6-dideoxygalactitol, 8CI D-00163

Mitolactol, INN. *Dibromidulcitol. Elobromol. DBD. NSC 104800*

[10318-26-0]



$C_6H_{12}Br_2O_4$ M 307.966

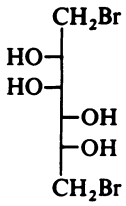
Antineoplastic agent. Mp 187-188°.

▷LW5425000.

Netherlands Pat., 6 600 395, (*1966*); *CA*, **65**, 20205f (*synth, pharmacol*)
Kellner, B. *et al*, *Arzneim.-Forsch.*, 1967, **216**, 669 (*pharmacol*)
Kellner, B. *et al*, *Nature* (*London*), 1967, **213**, 402 (*synth, pharmacol*)
Simon, K. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 806 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1849.

1,6-Dibromo-1,6-dideoxymannitol, 9CI, 8CI D-00164

Mitobronitol, INN, JAN, BAN. *Myebrol. Myelobromol. DBM. NSC 94100*



$C_6H_{12}Br_2O_4$ M 307.966

D-form [488-41-5]

Antineoplastic agent. Cryst. (MeOH/dichloroethane). Mp 176-178°.

▷OP2800000.

3,4-O-Isopropylidene: 1,6-Dibromo-1,6-dideoxy-3,4-O-isopropylidene-D-mannitol.
$C_9H_{16}Br_2O_4$ M 348.031
Mp 71-72°. $[\alpha]_D^{20}$ +32.8° (Me_2CO).

3,4-O-Isopropylidene, 2,5-di-Ac:
$C_{13}H_{20}Br_2O_6$ M 432.105
Mp 49-50°. $[\alpha]_D^{20}$ +13.4° ($CHCl_3$).

3,4-O-Isopropylidene, 2,5-dimesyl: Mp 112-113°. $[\alpha]_D^{20}$ −1.9° (dioxan).

Tetramesyl: Mp 105-107°. $[\alpha]_D^{20}$ +29.1° (c, 1.0 in $CHCl_3$).

Kuszmann, J. *et al*, *Carbohydr. Res.*, 1969, **11**, 165 (*synth*)
Horvath, T. *et al*, *CA*, 1970, **73**, 56 370v (*synth*)
Eckhardt, S., *Haematologica*, 1973, **57**, 722 (*rev*)
Simon, K. *et al*, *Cryst. Struct. Commun.*, 1973, **2**, 481 (*cryst struct*)
Jarman, M. *et al*, *Org. Mass Spectrom.*, 1974, **8**, 377 (*ms*)
Weisburger, J.H. *et al*, *CA*, 1976, **84**, 84 368w (*tox*)
Ota, K., *CA*, 1979, **90**, 33653 (*rev*)
Chiuten, D.F. *et al*, *Cancer*, 1981, **47**, 442 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1847.

3,5-Dibromo-2-hydroxybenzoic acid D-00165

3,5-Dibromosalicylic acid

[3147-55-5]

$C_7H_4Br_2O_3$ M 295.915

Needles (EtOH). Mp 228° (225°, 223°).

Me ester: [21702-79-4].
$C_8H_6Br_2O_3$ M 309.942
Needles. Mp 149°, 156°. Bp_{12} 181°.

Et ester: [64831-28-3].
$C_9H_8Br_2O_3$ M 323.968
Rhombic plates. Mp 101°. Bp_{16} 184°.

Amide: [17892-25-0].
$C_7H_5Br_2NO_2$ M 294.930
Needles. Mp 183° dec.

Nitrile: [40718-08-9]. *3,5-Dibromo-2-hydroxybenzonitrile. 2,4-Dibromo-6-cyanophenol.*
$C_7H_3Br_2NO$ M 276.915
Mp 167-168°.

Me ether: [13130-23-9]. *3,5-Dibromo-2-methoxybenzoic acid.*
$C_8H_6Br_2O_3$ M 309.942
Needles (EtOH aq.). Mp 193-194°.

Me ether, Me ester: [15790-59-7].
$C_9H_8Br_2O_3$ M 323.968
Needles. Mp 53°.

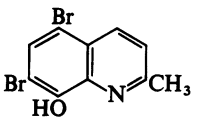
Anilide: [2577-72-2]. *3,5-Dibromo-2-hydroxy-N-phenylbenzamide, 9CI. 3,5-Dibromosalicylanilide, 8CI.* ***Metabromsalan, USAN, INN.*** *NSC 526280.*
$C_{13}H_9Br_2NO_2$ M 371.028
Disinfectant, anthelmintic.

Leulier, A. *et al*, *Bull. Soc. Chim. Fr.*, 1927, **41**, 1362.
Musante, C., *Gazz. Chim. Ital.*, 1948, **78**, 536.
Berends, W. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1955, **74**, 1323.
U.S.P., 3 513 196, (*1970*); *CA*, **73**, 35081m (*synth, use, anilide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2291.

5,7-Dibromo-8-hydroxy-2-methylquinoline D-00166

Broquinaldol, INN. *5,7-Dibromo-8-hydroxyquinaldine. 5,7-Dibromo-2-methyl-8-quinolinol*

[15599-52-7]



$C_{10}H_7Br_2NO$ M 316.979

Shows fungistatic props. Cryst. (EtOH). Mp 127°.

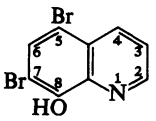
Benzoyl: [3684-46-6]. ***Broxaldine, INN.*** *AL 307.*
$C_{17}H_{11}Br_2NO_2$ M 421.087
Antiseptic. Mp 130-132°.

Irving, H. *et al*, *J. Chem. Soc.*, 1957, 285 (*synth*)
Fiedler, H., *Arch. Pharm.* (*Weinheim, Ger.*), 1960, **293**, 609 (*synth*)
Zsolani, T., *Biochem. Pharmacol.*, 1961, **7**, 195 (*props*)
Bourquin, J.P. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1962, **295**, 383 (*Broxaldine*)
U.S.P., 3 136 768, (*1964*); *CA*, **61**, 6998b (*Broxaldine*)
Gershon, H. *et al*, *Antimicrob. Agents Chemother.*, 1972, **1**, 373 (*pharmacol*)
Hartmann, V., *Pharm. Technol.*, 1975, **21**, 215 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4760 (*Broxaldine*)

5,7-Dibromo-8-hydroxyquinoline D-00167

5,7-Dibromo-8-quinolinol, 9CI. ***Broxyquinoline, INN, JAN.*** *Brodiar. Broxykinolin. Colepur. Fenilor. Dibromoquin. Numerous proprietary names*

[521-74-4]



$C_9H_5Br_2NO$ M 302.953

Fungicide; amoebicide. Needles (EtOH). Insol. dil. acids. Mp 196° (190°). Sublimes.

▷VC5300000.

B,HBr: Yellow needles. Mp 250°.

Me ether: 5,7-Dibromo-8-methoxyquinoline.

$C_{10}H_7Br_2NO$ M 316.979

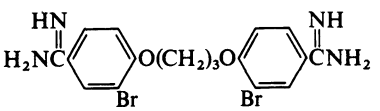
Needles (EtOH aq.). Mp 99°.

Irving, H. *et al, J. Chem. Soc.*, 1957, 285 (*synth*)
Cawthorne, M.A., *J. Chromatogr.*, 1966, **25**, 164 (*tlc*)
Berggren, L. *et al, Clin. Pharmacol. Ther.*, 1968, **9**, 67 (*metab, tox*)
Gershon, H. *et al, J. Org. Chem.*, 1972, **37**, 4078 (*deriv*)
Kashino, S. *et al, Bull. Chem. Soc. Jpn.*, 1973, **46**, 1094 (*cryst struct*)
Corsini, A. *et al, Talanta*, 1974, **21**, 252 (*pmr*)
Hartmann, V. *et al, Pharm. Ind.*, 1974, **36**, 202 (*glc*)
Barsode, C.D. *et al, J. Indian Chem. Soc.*, 1975, **52**, 942 (*ms*)
Stankovic, S. *et al, Cryst. Struct. Commun.*, 1976, **5**, 645 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1070 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4761.

Dibrompropamidine, INN D-00168

4,4'-[1,3-Propanediylbis(oxy)]bis[3-bromobenzenecarboximidamide], 9CI. 4,4'-(Trimethylenedioxy)bis(3-bromobenzamidine), 8CI. M. & B. 1270

[496-00-4]



$C_{17}H_{18}Br_2N_4O_2$ M 470.163

Topical antibacterial and antifungal agent.

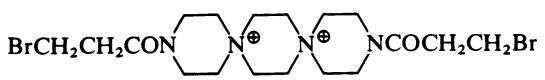
B,2HCl: Mp 308-309°.

Bis(2-hydroxyethanesulfonate): [614-87-9]. *Dibromopropamidine isethionate. Brolene. Brulidine. Otamidyl.* Antiseptic. Mp 226°.

Henry, A.J., *J. Chem. Soc.*, 1945, 870 (*synth*)
Wien, R. *et al, Lancet*, 1948, **254**, 711 (*pharmacol*)
Berg, S.S. *et al, J. Chem. Soc.*, 1949, 642 (*synth*)
Hugo, W.B., *CA*, 1972, **76**, 68565 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2236.

Dibrospidium (2+) D-00169

3,12-Bis(3-bromo-1-oxopropyl)-3,12-diaza-6,9-diazoniadispiro[5.2.5.2]hexadecane, 9CI



$C_{18}H_{32}Br_2N_4O_2^{\oplus\oplus}$ M 496.284 (ion)

Antineoplastic agent.

Dichloride: [86641-76-1]. *Dibrospidium chloride, INN. Spirobromin.*

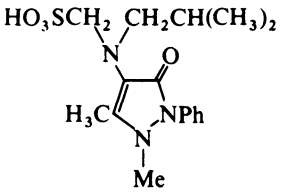
$C_{18}H_{32}Br_2Cl_2N_4O_2$ M 567.190

Cryst.

Safanova, T.S. *et al, Khim. Farm. Zh.*, 1983, **17**, 626; 1984, **18**, 1437 (*synth, pharmacol*)

Dibupyrone, BAN, INN D-00170

[(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)(2-methylpropyl)amino]methanesulfonic acid, 9CI. (Antipyrinylisobutylamino)methanesulfonic acid, 8CI



$C_{16}H_{23}N_3O_4S$ M 353.435

Analgesic, antipyretic, usually employed as Na salt.

Na salt: [1046-17-9]. *Isobutylphenazone methanesulfonate sodium.* Cryst. (EtOAc). Sol. H_2O. Mp 170°.

U.S.P., 2 193 788, (*1940*); *CA*, **34**, 4864 (*synth*)

Dibutoline(1+) D-00171

Ethyl(2-hydroxyethyl)dimethylammonium bis(dibutylcarbamate), 8CI. (2-Dibutylcarbamoyloxyethyl)-ethyldimethylammonium. Dibuline

$(H_3CCH_2CH_2CH_2)_2NCOOCH_2CH_2N^{\oplus}Me_2Et$

$C_{15}H_{33}N_2O_2^{\oplus}$ M 273.438 (ion)

Anticholinergic agent. Antispasmodic.

Sulfate (2:1): [532-49-0].

$C_{30}H_{66}N_4O_8S$ M 642.933

Hygroscopic powder. Mp 166° dec. Aq. solns. stable for 1 year.

▷BQ5775000.

Iodide: [614-12-0].

$C_{15}H_{33}IN_2O_2$ M 400.342

Mp 76.5-78°. Darkens on exp. to light.

U.S.P., 2 432 049, (*1947*); *CA*, **41**, 775c (*synth, pharmacol*)
Kent, L.J., *Arizona Med.*, 1950, **7**, 31 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 359.

1,3-Dibutoxy-2-propanol D-00172

1,3-Di-O-butylglycerol. ***Dibuprol, INN***

[2216-77-5]

$H_3C(CH_2)_3OCH_2CH(OH)CH_2O(CH_2)_3CH_3$

$C_{11}H_{24}O_3$ M 204.309

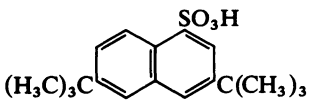
Muscle relaxant, choleretic agent. Bp_2 104-105°.

▷UB0525000.

Henze, H.R. *et al, J. Am. Chem. Soc.*, 1939, **61**, 433 (*synth*)
Hine, C.H. *et al, J. Pharmacol. Exp. Ther.*, 1949, **47**, 414 (*pharmacol*)
Ger. Pat., 2 252 637, (*1974*); *CA*, **81**, 63145 (*synth, pharmacol*)
Khadzhibekov, S.N. *et al, CA*, 1986, **105**, 6719 (*synth*)

3,6-Di-*tert*-butyl-1-naphthalenesulfonic acid, 8CI D-00173

3,6-Bis(1,1-dimethylethyl)-1-naphthalenesulfonic acid, 9CI



$C_{18}H_{24}O_3S$ M 320.446

Antitussive. Cryst. ($CHCl_3$/pet. ether) (hydrate). Mp 140-142°.

Na salt: [39315-52-1]. *Sodium dibunate. Dibunate sodium. Other proprietary names.*
$C_{20}H_{28}O_3S$ M 348.499
Hygroscopic cryst. Mp >300° dec. Coml. product is a mixt. of 3,6- and 3,7-isomers.

Et ester: [5560-69-0]. ***Ethyl dibunate, BPC, USAN, INN.*** *Neodyne. Tussets. NDR 304.*
$C_{18}H_{23}ClO_2S$ M 338.892
Antitussive. Mp 138-139°. The coml. preparation has also contained the 3,7-isomer.

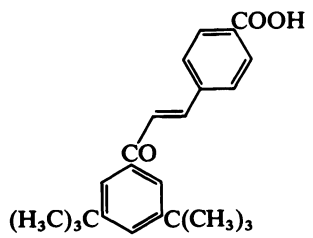
Chloride: Cryst. (ligroin). Mp 167-169°.

Amide: Mp 165°.

McColl, J.D. *et al*, *Can. Pharm. J. Sci. Sect.*, 1961, **94**, 596 (*pharmacol*)
Menard, M. *et al*, *Can. J. Chem.*, 1961, **39**, 729 (*synth*)
Megel, H. *et al*, *Biochem. Pharmacol.*, 1966, **15**, 1177 (*metab*)
Shemano, I. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **165**, 410 (*pharmacol*)
Le Bihan, M.T. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 629 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4951 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5632.

4-[3-(3,5-Di-*tert*-butylphenyl)-3-oxo-1-propenyl]benzoic acid D-00174

Ch 55



$C_{24}H_{28}O_3$ M 364.483

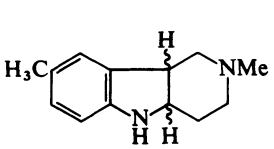
Inducer of human myelogenous leukaemia HL-60 cell differentiation. Ornithine decarboxylase inhibitor. Mp 202-203.5°.

Shudo, K. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 404 (*synth*)
Hashimoto, Y. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3190.

Dicarbine, INN D-00175

2,3,4,4a,5,9b-Hexahydro-2,8-dimethyl-1H-pyrido[4,3-b]indole, 9CI, 8CI

[17411-19-7]



$C_{13}H_{18}N_2$ M 202.299

Antipsychotic agent.

B,2HCl: [33162-17-3]. *Karbidine.* Cryst. (EtOH aq.). Mp 241-245°.

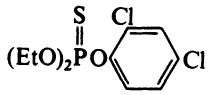
▷UU9860000.

Artemenko, G.N. *et al*, *Farmakol. Toksikol.*, 1972, **35**, 274 (*pharmacol*)
Mitrofanov, V.S. *et al*, *Farmakol. Toksikol.*, 1972, **35**, 410 (*tox*)
Herrmann, W.M. *et al*, *Dis. Nerv. Syst.*, 1974, **35**, 28 (*rev, pharmacol*)
Nagai, Y. *et al*, *J. Med. Chem.*, 1979, **22**, 677 (*synth, pharmacol*)
Maryanoff, B.E. *et al*, *J. Org. Chem.*, 1981, **46**, 355 (*synth*)

Dichlofenthion, BSI, BAN D-00176

O-2,4-Dichlorophenyl O,O-diethyl phosphorothioate, 9CI, 8CI. VC-13. Bromex. Nemacide VC 13. VC 13

[97-17-6]



$C_{10}H_{13}Cl_2O_3PS$ M 315.151

Nonsystemic nematocide, soil insecticide. Cholinesterase inhibitor. Liq. d_4^{20} 1.31. $Bp_{0.2}$ 126-131°. n_D^{25} 1.5318.

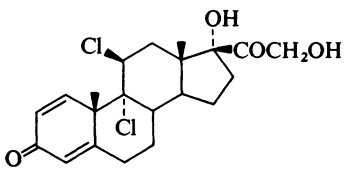
▷TF0350000.

Mandel'baum, Ya.A. *et al*, *Zh. Obshch. Khim.*, 1959, **29**, 1149 (*Engl. transl.* p. 1120) (*synth*)
U.S.P., 3 004 054, (*1961*); *CA*, **56**, 8636 (*synth*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P-31 nmr*)
Nuretdinov, I.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, 1266 (*Engl. transl.* p. 1170) (*synth, P-31 nmr, ir, tox*)
Nicholas, M.L. *et al*, *J. Assoc. Off. Anal. Chem.*, 1976, **59**, 1071 (*raman*)
Busch, K.L. *et al*, *Appl. Spectrosc.*, 1978, **32**, 388 (*ms*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Pesticide Manual, 6th Ed., 167.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Dichlorisone, INN D-00177

9α,11β-Dichloro-17α,21-dihydroxypregna-1,4-diene-3,20-dione, 9CI. Sch 5350

[7008-26-6]



$C_{21}H_{26}Cl_2O_4$ M 413.340

Topical antipruritic, antiinflammatory, antiallergic agent. Mp 238-241° dec. $[\alpha]_D^{20}$ +134° (Py).

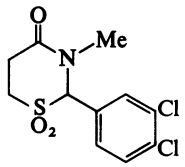
Ac: [79-61-8]. *Dichlorisone acetate. Astroderm. Diloderm. Other proprietary names.*
$C_{23}H_{28}Cl_2O_5$ M 455.377
Antipruritic, antiinflammatory, antiallergic. Mp 246-253° dec. $[\alpha]_D^{25}$ +162° (dioxan).

Bowers, A., *J. Am. Chem. Soc.*, 1959, **81**, 4107 (*synth*)
Robinson, C.H. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 2191 (*uv, ir, synth, pharmacol*)
Shapiro, E. *et al*, *Steroids*, 1967, **9**, 143 (*esters*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12645.

Dichlormezanone, INN **D-00178**

2-(3,4-Dichlorophenyl)tetrahydro-3-methyl-4H-1,3-thiazin-4-one 1,1-dioxide, 9CI, 8CI. Dichlormethazanone. Win 12267

[5571-97-1]



$C_{11}H_{11}Cl_2NO_3S$ M 308.179

Skeletal muscle relaxant. Mp 122.5-126.1°.

▷XJ1225000.

Surrey, A.R. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 3469 (*synth, pharmacol*)
Gesler, R.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1959, **1**, 168 (*pharmacol*)

4-[(Dichloroamino)sulfonyl]benzoic acid, 9CI **D-00179**

Benzoic acid p-N-*dichlorosulfonamide. N-Dichloro-4-sulfonamidobenzoic acid.* p-(*Dichlorosulfamoyl*)*benzoic acid.* ***Halazone, INN, USAN.*** *Alazone. Cloritines. Pantocid. Zeptabs*

[80-13-7]



$C_7H_5Cl_2NO_4S$ M 270.087

Germicide. Used to sterilise drinking water, prob. by generation of HOCl. Cryst. with chlorine odour. Mp 196° dec., Mp 213°. Coml. halazone also contains the corresponding monochloro compd.

▷DG8050000.

Na salt: [5698-56-6]. *Aseptamide. Cavosept. Gynamide. Pantosept. Phenochlorium. Sulfochloramin. Theragynes.*

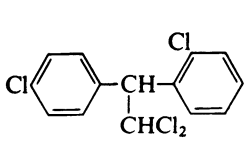
Et ester:
$C_9H_9Cl_2NO_4S$ M 298.140
Mp 80°.

Victorin, K. *et al*, *J. Hyg.*, 1972, **70**, 313 (*use*)
Saljoughian, M. *et al*, *Monatsh. Chem.*, 1986, **117**, 553 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2249.

1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane **D-00180**

1-Chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethyl]-benzene, 9CI. ***Mitotane, USAN, INN.*** *Chloditan. Chlordithane. Lysodren. Opeprim. CB 313.* o,p′-*DDD. NSC 38721*

[53-19-0]



$C_{14}H_{10}Cl_4$ M 320.045

Present in coml. DDT. Antineoplastic drug, insecticide. Mp 76-78°.

▷KH7880000.

Haller, H.L. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 1591 (*synth*)
Inoi, T. *et al*, *J. Org. Chem.*, 1962, **27**, 4597 (*synth, uv*)
Chen, J.-Y. *et al*, *J. Assoc. Off. Anal. Chem.*, 1972, **55**, 15 (*ir*)
Abou-Donia, M.B., *Appl. Spectrosc.*, 1975, **29**, 261 (*uv*)
Dougherty, R.C. *et al*, *Anal. Chem.*, 1975, **47**, 54 (*ms*)
Straw, J.A. *et al*, *Handb. Exp. Pharmakol.*, 1975, **38**, 808 (*pharmacol*)
Arora, S.K. *et al*, *J. Org. Chem.*, 1976, **41**, 554 (*cryst struct*)
Freidlina, R.K. *et al*, *Org. Magn. Reson.*, 1981, **15**, 133 (*cmr*)
Guilford, J. *et al*, *Tex. J. Sci.*, 1986, **38**, 81 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1852.

***N,N″*-Dichlorodiazenedicarboximidamide, 9CI** **D-00181**

1,1′-Azobis[N-*chloroformamidine*], *8CI.* ***Chlorazodin, INN.*** *Chloroazodin. Azochloramide*

[502-98-7]

$ClN{=}C(NH_2)N{=}NC(NH_2){=}NCl$

$C_2H_4Cl_2N_6$ M 183.000

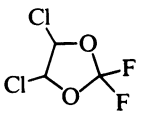
Antibacterial, veterinary topical anaesthetic. Bright-yellow needles. Mp 155° dec. explosively. Bitter-tasting, with chlorine odour. Light-sensitive.

Braz, G.I. *et al*, *Appl. Chem. USSR*, 1944, **17**, 565 (*synth*)
Takagi, S. *et al*, *CA*, 1951, **45**, 5628 (*synth*)
Kumler, W.D., *J. Am. Chem. Soc.*, 1953, **75**, 3092 (*uv, struct*)
Bryden, J.H., *Acta Crystallogr.*, 1958, **11**, 158 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2225.

4,5-Dichloro-2,2-difluoro-1,3-dioxolane, 9CI **D-00182**

Dioxychlorane

[60010-42-6]



$C_3H_2Cl_2F_2O_2$ M 178.950

Anaesthetic (inhalation). d^{24} 1.563. Bp 98°.

Denson, D.D. *et al*, *ACS Symp. Ser.*, 1976, **28**, 190 (*synth, props*)
Ger. Pat., 2 604 350, (*1977*); *CA*, **87**, 23254 (*synth*)
Jaramillo, J. *et al*, *Br. J. Anaesth.*, 1979, **51**, 1041 (*pharmacol*)

2,2-Dichloro-1,1-difluoro-1-methoxyethane, 9CI **D-00183**

2,2-Dichloro-1,1-difluoroethyl methyl ether, 8CI. ***Methoxyflurane, BAN, USAN, INN.*** *Analgizer. Anecotan. Inhalan. Metofane. Penthrane. Pentrane. DA 7591. NSC 110432*

[76-38-0]

Cl_2CHCF_2OMe

$C_3H_4Cl_2F_2O$ M 164.967

Inhalation anaesthetic. Liq. d_4^{20} 1.426. Mp −35°. Bp 105°, Bp_{100} 51°. n_D^{20} 1.3861.

▷KN7820000.

Miller, W.T. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 431 (*synth*)
Park, J.D. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 861 (*ir, uv*)
Speers, L. *et al*, *J. Med. Chem.*, 1971, **14**, 593 (*synth, props*)
Mazze, R.I. *et al*, *Int. Anesthesiol. Clin.*, 1974, **12**, 93 (*rev, metab*)
Van Poznak, A., *Monogr. Anaesthesiol.*, 1979, **6**, 113 (*rev*)
Li, Y.S. *et al*, *J. Mol. Struct.*, 1982, **81**, 181 (*conformn, spectra*)
Carpenter, R.L. *et al*, *Anesthesiology*, 1986, **65**, 201 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3117.

2,2-Dichloro-1,1-difluoro-1-(methylthio)-ethane, 9CI D-00184

2,2-Dichloro-1,1-difluoroethyl methyl sulfide, 8CI. ***Methioflurane***

[2045-53-6]

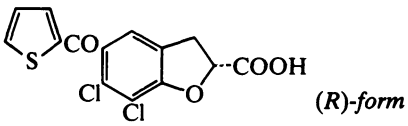
$MeSCF_2CHCl_2$

$C_3H_4Cl_2F_2S$ M 181.027

Anaesthetic (inhalation). Liq. Bp_{20} 47.2°.

Salman, K.N., *Diss. Abstr.*, 1964, **25**, 3025 (*props*)
Terrell, R.C. *et al*, *J. Org. Chem.*, 1965, **30**, 4011 (*synth*)
Inukai, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1966, **39**, 2191 (*synth*)

6,7-Dichloro-2,3-dihydro-5-(2-thienylcarbonyl)-2-benzofurancarboxylic acid D-00185



(*R*)-*form*

$C_{14}H_8Cl_2O_4S$ M 343.181

(*S*)-form shows greater diuretic activity. Diuretic agent related structurally to Tienilic acid, T-00258 .

(R)-form

Cryst. (toluene). Mp 126-128°. $[\alpha]_D^{25}$ −11.5° (c, 1.0 in MeOH).

(S)-form

Cryst. (toluene). $[\alpha]_D^{25}$ +11.5° (c, 1.0 in MeOH).

(±)-form

Cryst. (MeCN). Mp 194-196°.

Hoffman, W.F. *et al*, *J. Med. Chem.*, 1981, **24**, 865 (*synth, pharmacol*)

2,4-Dichloro-3,5-dimethylphenol, 9CI D-00186

2,4-Dichloro-3,5-xylenol, 8CI. ***Dichloroxylenol, BAN, INN***

[133-53-9]

$C_8H_8Cl_2O$ M 191.057

Antibacterial agent. Cryst. (pet. ether). Mp 95-96°. pK_a 8.28 (20°, EtOH aq.).

▷Highly toxic

Benzoyl:

$C_{15}H_{12}Cl_2O_2$ M 295.165

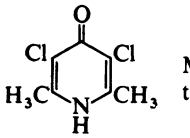
Mp 114-115°.

Lesser, R. *et al*, *Ber.*, 1923, **56**, 963.
Gump, W.S. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 6311.
Husain, S. *et al*, *Indian J. Chem.*, 1968, **6**, 26 (*synth, uv, ir*)
Sucha, L. *et al*, *Collect. Czech. Chem. Commun.*, 1970, **35**, 3651.
Lamartine, R. *et al*, *J. Org. Chem.*, 1974, **39**, 1744 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 485, 568.

3,5-Dichloro-2,6-dimethyl-4(1*H*)-pyridinone D-00187

3,5-Dichloro-2,6-dimethyl-4-pyridinol, 9CI, 8CI. 3,5-Dichloro-4-hydroxy-2,6-dimethylpyridine. ***Clopidol, BAN, USAN, INN.*** *Coyden 25. Farmacoccid. Lerbek 25. Meticlorpindol. Rigecoccin*

[2971-90-6]



Major tautomer

$C_7H_7Cl_2NO$ M 192.044

Veterinary antiprotozoal agent. Insol. H_2O. Mp >320°.

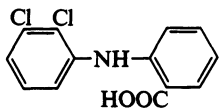
▷UU7711500.

Ryley, R.F., *Parasitology*, 1968, **58**, 215 (*pharmacol*)
Boer, F.P., *Acta Crystallogr., Sect. B*, 1972, **28**, 3200 (*cryst struct*)
B.P., 1 305 524, (*1973*); *CA*, **78**, 124452d (*synth*)
Cameron, B.D. *et al*, *J. Agric. Food Chem.*, 1975, **23**, 269 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12589.

2′,3′-Dichlorodiphenylamine-2-carboxylic acid D-00188

2-[(2,3-Dichlorophenyl)amino]benzoic acid, 9CI. N-*(2,3-Dichlorophenyl)anthranilic acid, 8CI.* ***Clofenamic acid, INN***

[4295-55-0]



$C_{13}H_9Cl_2NO_2$ M 282.126

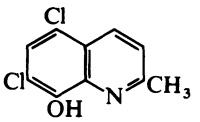
Antiinflammatory, antirheumatic agent. Mp 255-257°.

Juby, P.F. *et al*, *J. Med. Chem.*, 1968, **11**, 111 (*synth, pharmacol*)

5,7-Dichloro-8-hydroxy-2-methylquinoline D-00189

5,7-Dichloro-2-methyl-8-quinolinol, 9CI, 8CI. ***Chlorquinaldol, BAN, INN.*** *Steroxin. Sterosan. Numerous proprietary names*

[72-80-0]



$C_{10}H_7Cl_2NO$ M 228.077

Antibacterial agent, fungicide. Yellow needles (EtOH). Insol. H_2O, sol. $CHCl_3$. Mp 114-115° dec.

▷VC5600000.

Fiedler, H., *J. Prakt. Chem.*, 1961, **13**, 86 (*synth*)
Vaidya, M.G. *et al*, *J. Med. Chem.*, 1962, **5**, 389 (*synth*)
Silberg, A. *et al*, *CA*, 1967, **67**, 54015 (*synth*)
Ellenrieder, M. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 821 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1400 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1601.

5,7-Dichloro-8-hydroxyquinoline D-00190

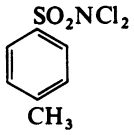
5,7-Dichloro-8-quinolinol, 9CI. ***Chloroxine, USAN.*** *Chlorquinol. Halquinol. Capitrol. Endiaron. Halquivet. Olinkol. Permin. Quinolor. Quixalin. Quixalud. SQ 16401*

[773-76-2]
$C_9H_5Cl_2NO$ M 214.051
Bactericide, fungicide, antiseborrheic, used, e.g., in shampoos. Needles (EtOH). Sol. pet. ether, spar. sol. EtOH, AcOH, $CHCl_3$. Mp 180-181°.
B,HCl: Mp 215°.
O-*Ac:* [52174-94-4].
$C_{11}H_7Cl_2NO_2$ M 256.088
Cryst. (pet. ether). Mp 97-98°.
O-*Benzoyl:* [18193-10-7].
$C_{16}H_9Cl_2NO_2$ M 318.159
Mp 188-189°.
1-Oxide: [21168-33-2].
$C_9H_5Cl_2NO_2$ M 230.050
Cryst. (C_6H_6). Mp 206-207°.

Hebebrand, A., *Ber.*, 1888, **21**, 2977 (*synth*)
Corsini, A. *et al*, *Talanta*, 1974, **21**, 252 (*pmr*)
Sawada, Y. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1357 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4785.

N,N-Dichloro-4-methylbenzenesulfonamide, 9CI D-00191

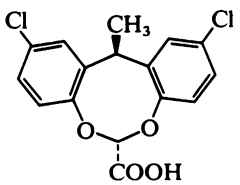
N,N-*Dichloro*-p-*toluenesulphonamide. Dichloramine*-T. *Peraktivin*
[473-34-7]



$C_7H_7Cl_2NO_2S$ M 240.104
Germicide. Prisms ($CHCl_3$/pet. ether). Mp 83°.

Krauss, R.B. *et al*, *J. Am. Chem. Soc.*, 1917, **39**, 2720 (*synth*)
Soper, F.G., *J. Chem. Soc.*, 1924, **125**, 1899 (*synth*)
Petterson, R.C. *et al*, *J. Org. Chem.*, 1960, **25**, 1595 (*ir*)
Boberg, F. *et al*, *Justus Liebigs Ann. Chem.*, 1969, **728**, 36 (*synth*)
Heintzelman, R.W. *et al*, *Synthesis*, 1976, 731 (*synth*)

2,10-Dichloro-12-methyl-12*H*-dibenzo[*d,g*][1,3]dioxocin-6-carboxylic acid, 9CI D-00192



trans-form

$C_{16}H_{12}Cl_2O_4$ M 339.174
trans-form [53341-51-8]
Cryst. ($CHCl_3$/CCl_4). Mp 201-205°.
Et ester: [53341-49-4]. ***Ponfibrate, INN.*** *Crismel. Egyt-1932.*
$C_{18}H_{16}Cl_2O_4$ M 367.228
Antilipidaemic agent. Cryst. (EtOH). Mp 149-150°.

Ger. Pat., 2 351 292, (*1974*); *CA*, **81**, 91598n (*synth, deriv*)
Maderspach, A. *et al*, *Acta Pharm. Hung.*, 1979, **49**, 174, 182; *CA*, **91**, 168387j; *CA*, **92**, 157637k (*pharmacol*)

2,2'-Dichloro-*N*-methyldiethylamine, 8CI D-00193

2-Chloro-N-(*2-chloroethyl*)-N-*methylethanamine*, *9CI. Chloromethine. Nitrogen mustard gas. Mustine, BAN. Mechlorethamine. Caryolysine.* ***Chlormethine, INN.*** *Chloramine. Numerous proprietary names*
[51-75-2]

$MeN(CH_2CH_2Cl)_2$

$C_5H_{11}Cl_2N$ M 156.055
Antitumour agent. Spar. sol. H_2O. Bp_{11} 86-87°, Bp_2 59°.
▷Very poisonous. Powerful mutagenic agent. Vesicant. IA1750000.
B,HCl: [55-86-7]. *Mechlorethamine hydrochloride, USAN. Embichen. Mustargen. NSC 762.* Leaflets (Me_2CO or $CHCl_3$). Mp 119° (110°). Hygroscopic.
▷IA2100000.
N-*Oxide:* [302-70-5]. *Mustron. Nitromin.*
$C_5H_{11}Cl_2NO$ M 172.054
Mp 109-110° (as hydrochloride).
▷Carcinogen. IA2275000.
N-*Oxide, picrate:* Mp 122-124°.

Eisleb, O., *Ber.*, 1941, **74**, 1433 (*synth*)
Stahmann, M.A. *et al*, *J. Org. Chem.*, 1946, **11**, 586 (*deriv, synth*)
Hanby, W.E. *et al*, *J. Chem. Soc.*, 1947, 513 (*synth, deriv*)
Abrams, J.T. *et al*, *J. Soc. Chem. Ind., London*, 1949, **68**, 288 (*synth*)
Hunt, C.C. *et al*, *J. Pharmacol. Exp. Ther.*, 1949, **95**, 131 (*pharmacol, toxicity*)
Witten, C., *Kirk-Othmer Encycl. Chem. Tech.*, 1951, **7**, 130.
Kikot, B.S. *et al*, *Zh. Prikl. Spektrosk.*, 1972, **16**, 928 (*conformn, ir*)
Nimgirawath, K. *et al*, *Cryst. Struct. Commun.*, 1975, **4**, 41 (*cryst struct*)
Ali-Mattila, E. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **47**, 371 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1853.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 339, 340.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 562, 861.

Dichloromethylenebisphosphonic acid, 9CI D-00194

Dichloromethanediphosphonic acid. ***Clodronic acid,*** *BAN, INN, USAN*
[10596-23-3]

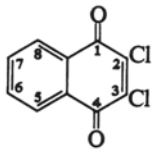
$Cl_2C[P(O)(OH)_2]_2$

$CH_4Cl_2O_6P_2$ M 244.893
Used clinically in the treatment of tumoural bone disease. Prevents mineral formation in bone calcium regulator. pK_{a1} 1.70, pK_{a2} 2.13, pK_{a3} 5.66, pK_{a4} 8.30 (25°, H_2O).
Di-Na salt: [22560-50-5]. *Sodium clodronate, BAN. Clodronate.* Cryst. + $4H_2O$.
Tetra-Et ester: [19928-97-3]. *Tetraethyl dichloromethylenebisphosphonate.*
$C_9H_{20}Cl_2O_6P_2$ M 357.107
Liq. $Bp_{0.05}$ 119-120°. n_D^{20} 1.4619.
Tetraisopropyl ester: Tetraisopropyl dichloromethylenebisphosphonate.
$C_{11}H_{24}ClO_6P_2$ M 349.708
Solid. Mp 56°.

Quimby, O.T. *et al*, *J. Organomet. Chem.*, 1968, **13**, 199 (*esters, synth, P nmr*)
Francis, M.D. *et al*, *J. Chem. Educ.*, 1978, **55**, 760 (*rev*)
Fleisch, H. *et al*, *Calcif. Tissue Int.*, 1979, **27**, 91 (*props, rev*)
Kukhar, V.P. *et al*, *Zh. Obshch. Khim.*, 1979, **49**, 1470 (*Engl. transl.* p. 1284) (*esters, synth, ir*)
Fonong, T. *et al*, *Anal. Chem.*, 1983, **55**, 1089 (*complexes*)
Nardelli, M. *et al*, *Inorg. Chim. Acta*, 1983, **80**, 259 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12673.

2,3-Dichloro-1,4-naphthoquinone, 8CI **D-00195**
2,3-Dichloro-1,4-naphthalenedione, 9CI. *Dichlone. Phygon*
[117-80-6]



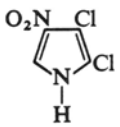
$C_{10}H_4Cl_2O_2$ M 227.046
Fungicide. Yellow needles (EtOH). Mp 194-195°.
▷Irritant. QL7525000.

Ter Horst, W.P. *et al*, *Ind. Eng. Chem.*, 1943, **35**, 1255 (*use*)
Fieser, L.F., *J. Am. Chem. Soc.*, 1948, **70**, 3151 (*synth*)
Gaertner, R., *J. Am. Chem. Soc.*, 1954, **76**, 6150 (*synth*)
Crecely, R.W. *et al*, *J. Mol. Spectrosc.*, 1969, **32**, 407 (*nmr*)
Gore, R.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*uv, ir*)
Hutzinger, O. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 178 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 564.

2,6-Dichloro-4-nitroaniline **D-00196**
2,6-Dichloro-4-nitrobenzenamine, 9CI. *Dichloran,* BSI. *Allisan. Botran*
[99-30-9]
$C_6H_4Cl_2N_2O_2$ M 207.016
Fungicide, indicator. Yellow needles (EtOH). Mp 189-190°. pK_a 15.87.
▷BX2975000.
N-*Ac:* [17742-68-6].
$C_8H_6Cl_2N_2O_3$ M 249.053
Mp 214-215°.
N-*Di-Ac:*
$C_{10}H_8Cl_2N_2O_4$ M 291.090
Mp 142.5°.

Datta, R.L. *et al*, *J. Am. Chem. Soc.*, 1919, **41**, 2037 (*synth*)
Goldschmidt, S. *et al*, *Ber.*, 1922, **55**, 2457 (*synth*)
Bessubets, M.K., *CA*, 1949, **43**, 6193 (*synth*)
Clark, N.G. *et al*, *J. Sci. Food Agric.*, 1961, **12**, 751 (*use*)
Ryan, A.J., *Aust. J. Pharm. Sci.*, 1972, **1**, 30 (*metab*)
Atlas of Spectral Data and Physical Constants, 1973, CRC Press, 575 (*nmr, ir, uv*)
Earls, D.W. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1975, 54 (*synth*)
Pesticide Manual, 6th Ed., 182.

2,3-Dichloro-4-nitro-1*H*-pyrrole, 9CI **D-00197**
***Pyrrolomycin* A.** *SF 2080A. Antibiotic SF 2080A*
[79763-01-2]

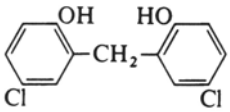


$C_4H_2Cl_2N_2O_2$ M 180.978
Pyrrole antibiotic. Isol. from *Actinosporangium vitaminophilum*. Antifungal agent. Yellow cryst. (C_6H_6). Mp 211-213°.

Ezaki, N. *et al*, *J. Antibiot.*, 1981, **34**, 1363, 1569 (*isol, struct, synth, pharmacol*)

Fr. Pat., 2 472 611, (*1981*); *CA*, **96**, 4942

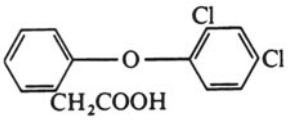
Dichlorophen, BAN, INN **D-00198**
2,2′-Methylenebis(4-chlorophenol), 9CI, 8CI. *Bis(5-chloro-2-hydroxyphenyl)methane. Anthiphen. Dicestral. Numerous proprietary names*
[97-23-4]



$C_{13}H_{10}Cl_2O_2$ M 269.127
Bactericide for cosmetics and for protection of textiles; anthelmintic. Spar. sol. toluene. Mp 177-178°.
▷Mod. toxic and irritant. SM0175000.

Moshfegh, A. *et al*, *Helv. Chim. Acta*, 1957, **40**, 1157 (*synth*)
Barr, F.S. *et al*, *J. Pharm. Sci.*, 1970, **59**, 262 (*pharmacol*)
Abou-Donia, M.B., *Appl. Spectrosc.*, 1975, **29**, 261 (*uv*)
Arct, J. *et al*, *Org. Prep. Proced. Int.*, 1976, **8**, 267 (*synth*)
Dixon, P.A.F. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1978, **3**, 95 (*metab*)
Hakimelahi, G.H. *et al*, *Helv. Chim. Acta*, 1981, **64**, 599 (*synth*)
Yu, S. *et al*, *CA*, 1984, **101**, 210657 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2647 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 771.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 418.

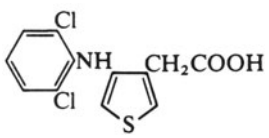
2-(2,4-Dichlorophenoxy)benzeneacetic acid, 9CI **D-00199**
***Fenclofenac,* BAN, USAN, *INN*.** *Flenac. Gidalon. RX 67408*
[34645-84-6]



$C_{14}H_{10}Cl_2O_3$ M 297.137
Antiinflammatory agent. Mp 134-136°. Causes ulcers.
▷CY1577850.

Ger. Pat., 2 117 826, (*1971*); *CA*, **76**, 14110s (*synth, pharmacol*)
Atkinson, D. *et al*, *Agents Action*, 1976, **6**, 657 (*pharmacol*)
Hopkins, S.J. *et al*, *Drugs of Today*, 1979, **15**, 91 (*rev*)
Swain, M.C. *et al*, Eds., *Int. Congr. Symp. Ser.-R Soc. Med. No. 28*, Academic Press, London, 1980 (*book*)
Atkinson, D.C. *et al*, *J. Med. Chem.*, 1983, **26**, 1353 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2647.

4-[(2,6-Dichlorophenyl)amino]-3-thiopheneacetic acid, 9CI **D-00200**
***Eltenac, INN*.** *B 78820. 4-(2,6-Dichloroanilino)-3-thiopheneacetic acid*
[72895-88-6]



$C_{12}H_9Cl_2NO_2S$ M 302.175

Antiinflammatory agent. Mp 179-180°.

Ger. Pat., 2 920 861, (*1979*); *CA*, **92**, 110838 (*synth, pharmacol*)

3,5-Dichloropyridine, 9CI D-00201

[2457-47-8]

$C_5H_3Cl_2N$ M 147.991

Bactericide and fungicide. Leaflets (EtOH aq.). Mp 64-65°.

▷US8575000.

Meyer, H. *et al*, *Ber.*, 1928, **61**, 2214 (*synth*)
Wilbaut, J.P., *Recl. Trav. Chim. Pays-Bas*, 1939, **58**, 709 (*synth*)
Bruegel, W., *Z. Elektrochem.*, 1962, **66**, 159 (*nmr*)
Green, J.H.S. *et al*, *Spectrochim. Acta, Part A*, 1973, **29**, 1177 (*ir, Raman*)
Ger. Pat., 2 407 937, (*1974*); *CA*, **81**, 169532h
Giacobbe, T.J. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 889 (*uv*)

1,2-Dichloro-1,1,2,2-tetrafluoroethane, 9CI, 8CI D-00202

Cryofluorane, INN. *Arcton 33. Freez-o-derm. Freoderm. Freon 114. Frezan. Frigiderm. Genatron 316. Pharmäthyl*

[76-14-2]

$ClCF_2CF_2Cl$

$C_2Cl_2F_4$ M 170.922

Important aerosol propellant. Anaesthetic. Gas. d_4^0 1.531. Bp 3.8°. n_D^{25} 1.3092.

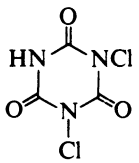
▷Narcotic at high concs., TLV 7000. Reacts violently with Al. KI1101000.

Locke, E.G. *et al*, *J. Am. Chem. Soc.*, 1934, **56**, 1726 (*synth*)
Harris, R.K. *et al*, *Trans. Faraday Soc.*, 1963, **59**, 606 (*nmr*)
Brown, F.B. *et al*, *J. Mol. Spectrosc.*, 1967, **24**, 163 (*ir, raman*)
Doucet, J. *et al*, *J. Chem. Phys.*, 1975, **62**, 355 (*uv*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 338.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 966.

1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, 9CI D-00203

Troclosene. Dichloroisocyanuric acid

[2782-57-2]



$C_3HCl_2N_3O_3$ M 197.965

Chlorinating agent. Topical antiseptic. Cryst. with chlorine odour. Mp 226.4-226.7°.

▷Severe eye irritant. Emits CO on heating. XZ1845000.

K salt: [2244-21-5]. *Troclosene potassium, USAN, INN. Potassium dichloroisocyanurate, JAN. ACL 59.* Hygroscopic cryst. Mp 250° dec.

▷LD_{50} 1215 mg/kg; rat, p.o. XZ1900010.

Na salt: [2893-78-9]. *Aponti-Sterilisierhad. Simpla. ACL 60.*

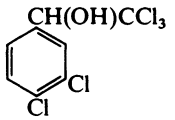
▷XZ1900000.

Petterson, R.C. *et al*, *J. Org. Chem.*, 1960, **25**, 1595 (*synth, ir*)
Sancier, K.M. *et al*, *Spectrochim. Acta*, 1964, **20**, 397 (*uv*)
Gottardi, W., *Monatsh. Chem.*, 1970, **101**, 615 (*synth*)
Kaneto, H. *et al*, *Oyo Yakuri*, 1984, **27**, 899 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2276.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2273.

3,4-Dichloro-α-(trichloromethyl)benzyl alcohol D-00204

3,4-Dichloro-α-(trichloromethyl)benzenemethanol, 9CI

[5331-95-3]



$C_8H_5Cl_5O$ M 294.392

(±)-form

Visc. oil. $Bp_{1.8}$ 144-147;° $Bp_{0.6}$ 153-154°.

Ac: [21757-82-4]. ***Plifenate.*** *Benzethazet. Penfenate. Bay o 3768. Baygom MEB. Bay-Meb 6046.*
$C_{10}H_7Cl_5O_2$ M 336.429
Insecticide. Mp 92°.

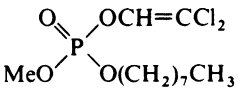
▷KK5000000.

U.S.P., 2 477 978, (*1949*); *CA*, **44**, 1137i (*synth*)
Riemschneider, R., *Monatsh. Chem.*, 1951, **82**, 600 (*synth, deriv*)
Crooy, P., *Ind. Chem. Belge*, 1967, **32**, 268 (*synth*)
Ger. Pat., 2 644 590, (*1978*); *CA*, **89**, 23992 (*synth, deriv*)

2,2-Dichlorovinyl methyl octyl phosphate, 8CI D-00205

2,3-Dichloroethenyl methyl octyl phosphate, 9CI. ***Vincofos,*** *USAN, INN. Vingard. SD 15803*

[17196-88-2]



$C_{11}H_{21}Cl_2O_4P$ M 319.164

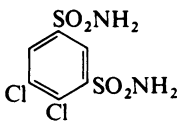
Anthelmintic. $Bp_{0.01}$ 128°.

Ger. Pat., 1 251 745, (*1967*); *CA*, **68**, 39322k (*synth, pharmacol*)
Morales, J.G. *et al*, *J. Med. Chem.*, 1972, **15**, 1225 (*pharmacol*)
Hass, D.K. *et al*, *Am. J. Vet. Res.*, 1974, **35**, 103 (*props*)

Dichlorphenamide, BAN, USAN D-00206

4,5-Dichloro-1,3-benzenedisulfonamide, 9CI. ***Diclofenamide, INN.*** *Daranide. Oratrol. Other proprietary names*

[120-97-8]



$C_6H_6Cl_2N_2O_4S_2$ M 305.150

Carbonic anhydrase inhibitor (treatment of glaucoma). Needles (DMSO aq.). Sol. alkalis. Mp 239-241° (228.5-229°).

▷Exp. teratogen. CZ9200000.

U.S.P., 2 835 702, (*1958*); *CA*, **52**, 17184 (*synth*)
Maren, T.M. *et al*, *J. Med. Chem.*, 1968, **11**, 228 (*pharmacol*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1977, **13**, 361 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 406 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2325.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 557.

Dichlorvos, BSI, INN **D-00207**

O-(2,2-Dichloroethenyl) O,O-dimethyl phosphate, 9CI. 2,2-Dichlorovinyl dimethyl phosphate, 8CI. O,O-*Dimethyl* O-(*2,2-dichlorovinyl*) *phosphate. Dichlorophos. D.D.V.P.. Vapona. NSC 6738. Other proprietary names*

[62-73-7]

$(MeO)_2P(O)OCH{=}CCl_2$

$C_4H_7Cl_2O_4P$ M 220.977

Veterinary anthelmintic, insecticide. Cholinesterase inhibitor. Liq. with aromatic odour. Mod. sol. H_2O (1% w/v), misc. EtOH. d_4^{25} 1.42. Bp_{14} 120°, Bp_3 88°. n_D^{20} 1.4550. Hydrolysed rel. slowly by H_2O, more quickly by alkalis.

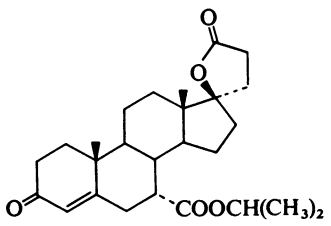
▷Highly toxic by skin absorption and inhalation, TLV 1, exp. teratogen. LD_{50} 56-108 mg/kg; rat, p.o. TC0350000.

Barthel, W.F. *et al, J. Am. Chem. Soc.*, 1955, **77**, 2424 (*synth*)
Keith, L.H. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Ross, R.T. *et al, Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)
Gore, R.C. *et al, J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*ir, uv*)
Betteridge, D. *et al, Anal. Chem.*, 1972, **44**, 2005 (*pe*)
Gillett, J.W. *et al, Residue Rev.*, 1972, **44**, 115, 161 (*tox, rev*)
Gaydou, E.M., *Bull. Soc. Chim. Fr.*, 1973, 2275 (*synth, props*)
Gaydou, E.M. *et al, Org. Mass Spectrom.*, 1974, **9**, 157 (*ms*)
Nikonorov, K.V. *et al, Zh. Obshch. Khim.*, 1974, **44**, 1267 (*Engl. transl.* p. 1245) (*synth*)
Nicholas, M.L. *et al, J. Assoc. Off. Anal. Chem.*, 1976, **59**, 1071 (*raman*)
Szalontai, G., *J. Chromatogr.*, 1976, **124**, 9 (*hplc*)
Stan, H.-J. *et al, Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Szalontai, G. *et al, Org. Magn. Reson.*, 1977, **10**, 63 (*cmr*)
Wright, A.S. *et al, Arch. Toxicol.*, 1979, **42**, 1 (*metab, props, bibl*)
Ramel, C. *et al, Mutat. Res.*, 1980, **76**, 297 (*rev, tox*)
Reuber, M.D., *Clin. Toxicol.*, 1981, **18**, 47 (*rev, props*)
Pesticide Manual, 8th Ed., 269.
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A141.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 201 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3577.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1151.

Dicirenone, USAN, INN **D-00208**

17-Hydroxy-3-oxopregn-4-ene-7,21-dicarboxylic acid γ-lactone 1-methylethyl ester, 9CI. SC 26304

[41020-79-5]



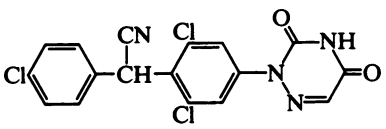
$C_{26}H_{36}O_5$ M 428.567

Antihypertensive (aldosterone antagonist). Mp 183-185°. $[\alpha]_D$ +16° (c, 0.837 in $CHCl_3$).

Funder, J.W. *et al, Biochem. Pharmacol.*, 1974, **23**, 1493 (*pharmacol*)
Weier, R.M. *et al, J. Med. Chem.*, 1975, **18**, 817 (*synth, uv, ir, nmr, pharmacol*)
Netchitails, P. *et al, Biochem. Pharmacol.*, 1985, **34**, 189 (*pharmacol*)

Diclazuril, INN, USAN **D-00209**

2,6-Dichloro-α-(4-chlorophenyl)-4-(4,5-dihydro-3,5-dioxo-1,2,4-triazin-2(3H)-yl)benzeneacetonitrile, 9CI. R 64433



$C_{17}H_9Cl_3N_4O_2$ M 407.643

(±)-*form* [101831-37-2]

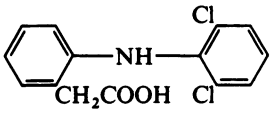
Coccidiostat (for poultry). Mp 290.5°. Related to Clazuril, C-00413 .

Eur. Pat., 170 316, (*1986*); *CA*, **105**, 60637 (*synth, pharmacol*)

Diclofenac, BAN, INN **D-00210**

2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid, 9CI. Numerous proprietary names

[15307-86-5]



$C_{14}H_{11}Cl_2NO_2$ M 296.152

Antiinflammatory drug. Cryst. (Et_2O/pet. ether). Mp 156-158°.

▷AG6310000.

Na salt: [15307-79-6]. *Diclofenac sodium, USAN, JAN. Voltarol.* Cryst. (H_2O). Mp 283-285°.

▷AG6330000.

Carboxymethyl ester: [89796-99-6]. ***Aceclofenac, INN.*** *Tresquim.*

$C_{16}H_{13}Cl_2NO_4$ M 354.189

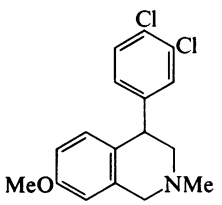
Analgesic, antiinflammatory agent.

Ger. Pat., 1 815 802, (*1969*); *CA*, **72**, 12385d (*synth*)
Menasse-Gdynia, R. *et al, Experientia*, 1973, **29**, 450 (*pharmacol*)
Kracmar, J. *et al, Pharmazie*, 1976, **31**, 614 (*uv*)
Spanish Pat., 520 813, (*1984*); *CA*, **104**, 88301 (*Aceclofenac*)
Tamura, Y. *et al, Chem. Pharm. Bull.*, 1984, **32**, 1995 (*synth*)
Sallman, A.R. *et al, Am. J. Med.*, 1986, **80**, 1 (*revs*)
Todd, P.A. *et al, Drugs*, 1988, **35**, 244 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3010 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2545, 2632.

Diclofensine, INN **D-00211**

4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisoquinoline, 9CI

[67165-56-4]



$C_{17}H_{17}Cl_2NO$ M 322.233

(±)-*form*

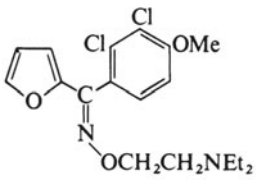
Antidepressant.

B,HCl: [34041-84-4]. Cryst. (MeOH/Et_2O). Mp 273-275°.

Swiss Pat., 538 477, (*1973*); *CA*, **79**, 136996t (*synth, pharmacol*)

Diclofurime, INN **D-00212**

(2,3-Dichloro-4-methoxyphenyl)-2-furanylmethanone-D-[2-(diethylamino)ethyl]oximine, 9CI. 2,3-Dichloro-4-methoxyphenyl 2-furyl ketone O-[2-(diethylamino)-ethyl]oxime



$C_{18}H_{22}Cl_2N_2O_3$ M 385.289

(E)-form [64743-08-4]

Coronary vasodilator.

B,HCl: [56425-51-5]. Mp 175°.

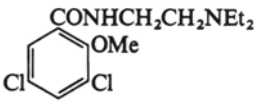
B,MeSO$_3$H: [70441-81-5]. *ANP 4364.*

Ger. Pat., 2 449 205, (*1975*); *CA*, **83**, 97004d (*synth, pharmacol*)
Laforest, J. *et al*, *J. Heterocycl. Chem.*, 1977, **14**, 793 (*nmr, synth, config*)
Yamaguchi, T. *et al*, *J. Chromatogr.*, 1979, **173**, 147 (*chromatog*)
Nakashima, M. *et al*, *CA*, 1980, **92**, 209151 (*pharmacol*)
U.S.P., 4 246 277, (*1981*); *CA*, **94**, 162764 (*pharmacol*)

Diclometide, INN **D-00213**

3,5-Dichloro-N-[2-(diethylamino)ethyl]-2-methoxybenzamide, 9CI. 3,5-Dichloro-N-[2-(diethylamino)ethyl]-o-anisamide, 8CI. Litican (old form)

[17243-49-1]



$C_{14}H_{20}Cl_2N_2O_2$ M 319.230

Tranquilliser.

B,HCl: [14492-32-1]. Cryst. (Me_2CO). Mp 114-115°.

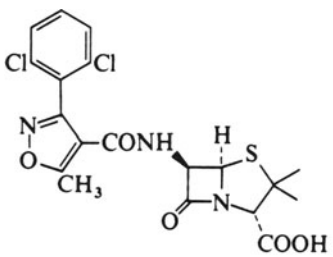
B,MeI: Mp 164-165°.

U.S.P., 3 219 528, (*1965*); *CA*, **64**, 12609 (*synth, pharmacol*)
Ger. Pat., 1 233 877, (*1967*); *CA*, **66**, 115474n (*synth, pharmacol*)

Dicloxacillin, USAN, BAN, INN **D-00214**

3-(2,6-Dichlorophenyl)-5-methyl-4-isoxazolylpenicillin. Maclicine. Numerous proprietary names

[3116-76-5]



$C_{19}H_{17}Cl_2N_3O_5S$ M 470.326

Semisynthetic penicillin. Orally absorbed antibiotic resistant to staphylococcal β-lactamase.

▷XH8923000.

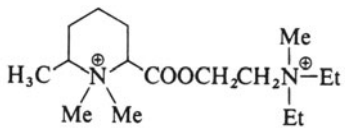
Na salt: [13412-64-1]. *Dicloxacillin sodium, USAN. Veracillin. BRL 1702. P 1011. Antibiotic BRL 1702. Antibiotic P 1011. Diclocil.* Monohydrate. Sol. H_2O. Mp 222-225° dec. $[\alpha]_D^{20}$ +127.2° (H_2O).

▷XH8925000.

B.P., 978 299, (*1965*); *CA*, **62**, 10441
Gloxhuber, C. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 322 (*props*)
Hanson, J. *et al*, *J. Chem. Soc.*, 1965, 5976 (*synth*)
Blanpain, P. *et al*, *Cryst. Struct. Commun.*, 1977, **6**, 711 (*cryst struct, ester*)
Chang, C.-J. *et al*, *J. Pharm. Sci.*, 1979, **68**, 64 (*cmr*)
Murai, Y. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3292; 1984, **32**, 3277 (*pmr, cmr, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5134 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 68.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1837.

Dicolinium(2+) **D-00215**

2-[[2-(Diethylmethylammonio)ethoxy]carbonyl]-1,1,6-trimethylpiperidinium, 9CI. 2-Carboxy-1,1,6-trimethylpiperidinium diethyl-(2-hydroxyethyl)-methylammonium, 8CI



$C_{16}H_{34}N_2O_2^{\oplus\oplus}$ M 286.457 (ion)

Antihypertensive agent, ganglion blocking agent.

Diiodide: [382-82-1]. *Dicolinium iodide, INN.*
$C_{16}H_{34}I_2N_2O_2$ M 540.266
Mp 222-223°.

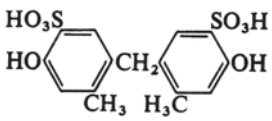
▷TN4721610.

Rubtsov, M.V. *et al*, *Khim. Med.*, 1962, **15**, 16 (*synth*)
Vinogradov, A.V. *et al*, *Sov. Med.*, 1967, **30**, 112 (*pharmacol*)
Yavorskii, M.P. *et al*, *Farm. Zh.*, 1972, **27**, 84 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 863.

Dicresulene, INN **D-00216**

3,3′-Methylenebis[6-hydroxy-4-methylbenzenesulfonic acid], 9CI. 4,4′-Dihydroxy-2,2′-dimethyldiphenylmethane-3,3′-disulfonic acid

[78480-14-5]



$C_{15}H_{16}O_8S_2$ M 388.407

Antiseptic. Mp 135-138° (trihydrate).

Polymer: [9011-02-3]. ***Policresulen, INN***. *Albocresil. Albothyl. Lotagen. Negaderm. Vagothyl.*
$[C_{15}H_{16}O_8S_2]_x$

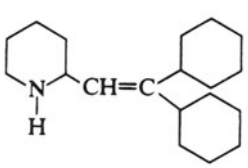
Antiseptic, haemostatic.

Eur. Pat., 29 990, (*1981*); *CA*, **95**, 132502m (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1723.

2-(2,2-Dicyclohexylvinyl)piperidine, 8CI **D-00217**

Hexadiline, INN. *Hexadylamine. MRL 38*

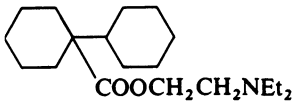
[3626-67-3]



$C_{19}H_{33}N$ M 275.476

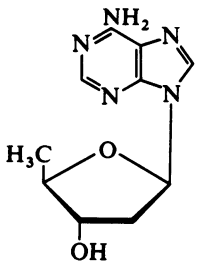
(±)-*form*
Coronary vasodilator.
B,HCl: Mp 152-154°.
U.S.P., 3 038 930, (*1962*); *CA*, **57**, 13471b (*synth, pharmacol*)

Dicyclomine, BAN **D-00218**
[1,1'-Bicyclohexyl]-1-carboxylic acid 2-(diethylamino)-ethyl ester, 9CI. ***Dicycloverine, INN***
[77-19-0]



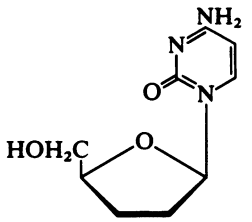
$C_{19}H_{35}NO_2$ M 309.491
Anticholinergic agent.
B,HCl: [67-92-5]. *Dicyclomine hydrochloride, USAN. Atumin. Bentyl. Neoquess. Numerous proprietary names.* Cryst. (butanone). Sol. H_2O. Mp 164-166°. Constit. of Debendox.
▷DT7350000.
Tilford, C.H. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 2902 (*synth*)
McGrath, W.R. *et al*, *J. Pharmacol. Exp. Ther.*, 1964, **146**, 354 (*pharmacol*)
Johns, A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1976, **224**, 109 (*pharmacol*)
Chananont, P. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 1878 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5527 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 360.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 317.

2',5'-Dideoxyadenosine, 9CI, 8CI **D-00219**
*9-(2',5'-Dideoxy-D-*erythro*-pentofuranosyl)adenine*
[6698-26-6]



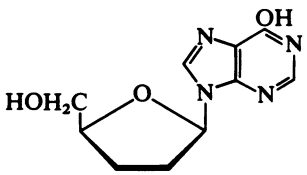
$C_{10}H_{13}N_5O_2$ M 235.245
Inhibits intracellular 5-phosphoribosyl 1-pyrophosphate synth. Antagonist of cholera toxin. Mp 186-188°. $[\alpha]_D^{22}$ −38° (c, 0.7 in H_2O). λ_{max} 259.5 nm (ϵ 14 400) (MeOH).
Robins, M.J. *et al*, *Biochemistry*, 1966, **5**, 224 (*synth*)
Tyrsted, G. *et al*, *Biochim. Biophys. Acta*, 1968, **155**, 619.
Shaw, S.J. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 2510 (*ms*)
Zenser, T.V., *Proc. Soc. Exptl. Biol. Med.*, 1976, **152**, 126 (*biochem*)

2',3'-Dideoxycytidine, 9CI **D-00220**
DDC
[7481-89-2]



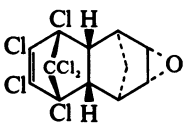
$C_9H_{13}N_3O_3$ M 211.220
Antiviral agent. Potentially of use against HIV infection. Mp 231-232°. $[\alpha]_D^{20}$ +90° (c, 0.5 in H_2O).
Horwitz, J.P. *et al*, *J. Org. Chem.*, 1967, **32**, 817 (*synth*)
Mitsuya, H. *et al*, *Proc. Natl. Acad. Sci. USA*, 1986, **83**, 1911 (*pharmacol*)
Mitsuya, H. *et al*, *Nature*, 1987, **325**, 773.

2',3'-Dideoxyinosine, 9CI **D-00221**
DDI. NSC 612049
[69655-05-6]



$C_{10}H_{12}N_4O_3$ M 236.230
Antiviral agent. Potentially of use against HIV infection.
Mitsuya, H. *et al*, *Proc. Natl. Acad. Sci. USA*, 1986, **83**, 1911 (*pharmacol*)
Ahluwalia, G. *et al*, *Biochem. Pharmacol.*, 1987, **36**, 3797.
Ray, G. *et al*, *Anal. Lett.*, 1987, **20**, 1815 (*hplc*)
Hao, Z. *et al*, *Mol. Pharmacol.*, 1988, **34**, 431 (*pharmacol*)

Dieldrin, BSI, BAN, INN **D-00222**
1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4:5,8-dimethanonaphthalene, 9CI. HEOD, BSI
[60-57-1]

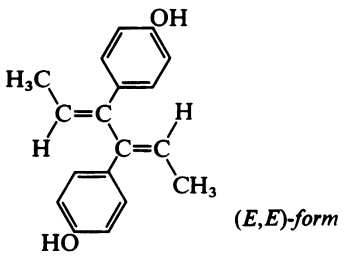


$C_{12}H_8Cl_6O$ M 380.913
The coml. prod. Dieldrin contains >85% of this compd., which is more correctly known as HEOD in Britain. Obt. by chemical or metabolic oxidn. of Aldrin. Insecticide. Nonsystemic, persistent. Mp 176-177°.
▷Highly toxic by skin contact, TLV (skin) 0.25.
IO1750000.
Kearns, C.W. *et al*, *J. Econ. Entomol.*, 1949, **42**, 127 (*use*)
U.S.P., 2 676 131, (*1954*); *CA*, **48**, 8473 (*synth*)
Korte, F. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **656**, 131 (*synth*)
Keith, L.H., *Tetrahedron Lett.*, 1971, 3 (*cmr*)
Pesticide Manual, 6th Ed., 185.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 569.

Dienestrol, INN, USAN D-00223

*4,4'-(1,2-Diethylidene-1,2-ethanediyl)bis[phenol], 9CI. **Dienoestrol, BAN**. Denestrolin. Dienol. Dinovex. Follormon. Oestrodiene. Synestrol. γ-Dienestrol. Numerous proprietary names*

[84-17-3]



(E,E)-form

$C_{18}H_{18}O_2$ M 266.339

Coml. product is prob. a mixt. of geometrical isomers. Used to treat menopausal symptoms. Mp 121-122°.

▷SL0580000.

Diacetate: [84-19-5]. *Faragynol. Gynocyrol. Numerous proprietary names.*

$C_{22}H_{22}O_4$ M 350.413

Prisms (EtOH). Mp 119-120°.

▷SL0590000.

(E,E)-form [13029-44-2]

α-Dienestrol

Most potent isomer. Mp 227-228°.

▷SL0582000.

(Z,Z)-form [35495-11-5]

Isodinoestrol. β-Dienestrol

Pale-brown needles (C_6H_6). Mp 192-194°.

▷SL0562500.

Mono-Me ether: [6033-98-3].

$C_{19}H_{20}O_2$ M 280.366

Mp 142°.

Di-Me ether: [6033-99-4].

$C_{20}H_{22}O_2$ M 294.393

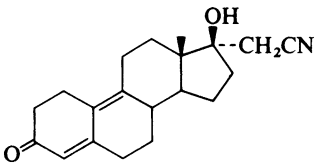
Mp 161°.

Lane, J.F. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4408 (*synth*)
Fornies-Marquina, J.M. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 655 (*cryst struct*)
Kresnadi, S. *et al*, *Endocrinology*, 1972, **90**, 834 (*pharmacol*)
Doyle, T.D. *et al*, *J. Pharm. Sci.*, 1975, **64**, 1525 (*pmr, cryst struct*)
Engel, L.L. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 582 (*ms*)
Metzler, M., *Tetrahedron*, 1978, **34**, 3113 (*synth, pmr*)
Crawley, G.C., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1980, **12**, 658 (*rev*)
Metzler, M., *Food Cosmet. Toxicol.*, 1981, **19**, 611 (*metab*)
De Ruig, W.G. *et al*, *Fresenius' Z. Anal. Chem.*, 1985, **320**, 749 (*hplc*)
Oda, T. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1534 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4758, 6476 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9037.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 861.

Dienogest, INN D-00224

17-Hydroxy-3-oxo-19-nor-17α-pregna-4,9-diene-21-nitrile, 9CI. 17α-(Cyanomethyl)-13β-methyl-17β-hydroxygona-4,9(10)-dien-3-one. STS 557

[65928-58-7]



$C_{20}H_{25}NO_2$ M 311.423

Progestogen. Cryst. (MeOH or EtOAc). Mp 210-212°.

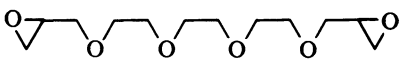
▷RC8899500.

Huebner, M. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 401 (*synth, pharmacol*)
Reck, G. *et al*, *Cryst. Struct. Commun.*, 1982, **11**, 1815 (*cryst struct*)
Huebner, M. *et al*, *Exp. Clin. Endocrinol.*, 1983, **81**, 109 (*synth, pharmacol, tox, metab*)
Schubert, K. *et al*, *Stud. Org. Chem. (Amsterdam)*, 1985, **20**, 143 (*synth, props*)
Menzenbach, B. *et al*, *Z. Chem.*, 1986, **26**, 371 (*synth*)

1,2:15,16-Diepoxy-4,7,10,13-tetraoxahexadecane, 8CI D-00225

*2,2'-(2,5,8,11-Tetraoxadodecane-1,12-diyl)bisoxirane, 9CI. 1,2-Bis[2-(2,3-epoxypropoxy)ethoxy]ethane. Triethylene glycol diglycidyl ether. **Etoglucid, INN**. Ethoglucid, BAN. Epodil. Epodyl. AY 62013. ICI 32865. NSC 80439*

[1954-28-5]



$C_{12}H_{22}O_6$ M 262.302

Antineoplastic agent. Liq. d^{20} 1.13. Mp −15° to −11°. Bp_2 195-197°, $Bp_{0.005}$ 140°.

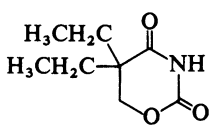
▷XF0700000.

B.P., 901 876, (*1962*); *CA*, **57**, 16562c (*synth, pharmacol*)
Duncan, W.A.M. *et al*, *Biochem. J.*, 1962, **82**, 8P (*pharmacol*)
Blyakhman, E.M., *Zh. Org. Khim.*, 1967, **3**, 1423 (*synth*)
James, S.P. *et al*, *Xenobiotica*, 1971, **1**, 43.
Gu, X.-P. *et al*, *Synthesis*, 1985, 649 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1833.

Diethadione, BAN, INN D-00226

5,5-Diethyldihydro-2H-1,3-oxazine-2,4(3H)-dione, 9CI. 5,5-Diethyl-2,3,5,6-tetrahydro-4H-1,3-oxazine-2,4-dione. Dietroxine. Dioxone. Ledosten. Lep-ton. Persisten. Toce. Tocen

[702-54-5]



$C_8H_{13}NO_3$ M 171.196

Analeptic agent. Cryst. (Et_2O). Mp 97-98°.

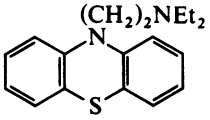
▷RP6300000.

Testa, E. *et al*, *J. Org. Chem.*, 1959, **24**, 1928 (*synth*)
B.P., 855 244, (*1960*); *CA*, **55**, 15519a (*synth*)
Maffii, G. *et al*, *J. Pharm. Pharmacol.*, 1961, **13**, 244, 309 (*pharmacol*)
Wittgens, A., *Boll. Chim. Farm.*, 1963, **102**, 88 (*rev*)

Diethazine, BAN, INN **D-00227**

N,N-*Diethyl-10H-phenothiazine-10-ethanamine,* 9CI. *10-(2-Diethylaminoethyl)phenothiazine,* 8CI

[60-91-3]



$C_{18}H_{22}N_2S$ M 298.445

Anticholinergic agent used for treatment of Parkinson's disease. Oily liq. Bp_{4-5} 195-208°.

▷SO4200000.

B,HCl: [341-70-8]. *Antipar. Diparcol. Other proprietary names.* Insol. Et_2O. Mp 184-186°.

▷SO4375000.

Heymans, C. *et al, Arch. Int. Pharmacodyn.*, 1949, **79**, 123 (*pharmacol*)
Cavallito, C.J. *et al, J. Am. Chem. Soc.*, 1954, **76**, 1862 (*synth*)
Friebel, H. *et al, Arzneim.-Forsch.*, 1954, **4**, 171 (*pharmacol*)
Wassermann, N. *et al, Rev. Chim.*, 1959, **10**, 81 (*synth*)
Gilbert, J.N.T. *et al, Org. Mass. Spectrom.*, 1969, **2**, 17 (*ms*)
Marsau, P., *Acta Crystallogr., Sect. B*, 1971, **27**, 42 (*cryst struct*)
De Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Poltorakov, A.P. *et al, Izv. Akad. Nauk SSSR, Ser. Khim.*, 1973, 2106 (*pharmacol*)
Rylski, L. *et al, Acta Pol. Pharm.*, 1974, **31**, 711 (*synth*)
Blazek, J. *et al, Cesk. Farm.*, 1975, **24**, 174 (*ir*)
Szabo, W.A. *et al, J. Org. Chem.*, 1980, **45**, 744 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4867 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 361.

1,1-Diethoxyethane, 9CI **D-00228**

Acetal. Acetaldehyde diethyl acetal. Ethylidene diethyl ether

[105-57-7]

$H_3CCH(OEt)_2$

$C_6H_{14}O_2$ M 118.175

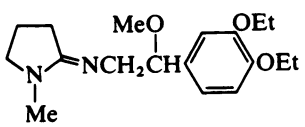
Solv., perfumery ingredient, formerly used as hypnotic. Mod. sol. H_2O, misc. EtOH. Bp 103.2°, Bp_{22} 21°. Readily polymerises.

▷Irritant, narcotic vapour. Highly flammable, fl. p. −20°. AB2800000.

Org. Synth., Coll. Vol., **1**, 1 (*synth*)
Vericat, J.B., *CA*, 1945, **39**, 3784 (*synth*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 606.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 331.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 285.

3,4-Diethoxy-β-methoxy-*N*-(1-methyl-2-pyrrolidinylidene)benzeneethanamine, 9CI **D-00229**

[34866-51-8]



$C_{18}H_{28}N_2O_3$ M 320.431

(±)-*form*

Antiarrhythmic agent. $Bp_{0.035}$ 143-145°.

Fumarate (1:1): [40665-49-4]. *McN 2840.* Cryst. (2-propanol). Mp 116-118°.

Ger. Pat., 2 235 683, (*1973*); *CA*, **78**, 147789 (*synth*)
Hageman, W.E. *et al, Arch. Int. Pharmacodyn. Ther.*, 1979, **237**, 298 (*pharmacol*)

3,4-Diethoxy-*N*-[*p*-[2-(methylamino)-ethoxy]benzyl]benzamide **D-00230**

*3,4-Diethoxy-*N*-[[4-[2-(methylamino)ethoxy]phenyl]-methyl]benzamide*

[5936-70-9]



$C_{21}H_{28}N_2O_4$ M 372.463

Antiemetic agent.

B,HCl: [19457-00-2]. *Ancobon (old form). Ro 5-6574.* Mp 119-121°.

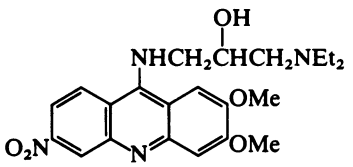
▷CV4200000.

Netherlands Pat., 6 505 819, (*1965*); *CA*, **64**, 17500 (*synth, pharmacol*)
Schallek, W. *et al, Arch. Int. Pharmacodyn. Ther.*, 1968, **174**, 350 (*pharmacol*)

1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)amino]-2-propanol, 9CI **D-00231**

Nitroakridin 3582. Nitroacridine 3582. L 280401. W 1889

[6035-39-8]



$C_{22}H_{28}N_4O_5$ M 428.487

▷UB1495000.

(±)-*form*

Antibacterial, antiseptic. Cryst. (Me_2CO).

B,2HCl: [73972-50-6]. Orange cryst. Dec. at 219-220°.

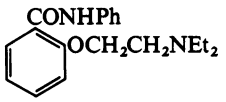
▷UB1500000.

Miller, C.S. *et al, J. Org. Chem.*, 1948, **13**, 891 (*synth, bibl*)
Steck, E.A. *et al, J. Am. Chem. Soc.*, 1957, **79**, 4414 (*synth*)
Wolfe, A.D. *et al, J. Bacteriol.*, 1971, **108**, 320 (*props*)
Wolfe, A.D., *Progr. Mol. Subcell. Biol.*, 1971, **2**, 247 (*rev*)

2-[2-(Diethylamino)ethoxy]benzanilide, 8CI **D-00232**

2-[2-(Diethylamino)ethoxy]-N-phenylbenzamide, 9CI. ***Salverine, INN.*** *Ajucin simplex. Ajurac. Biospal. M 811*

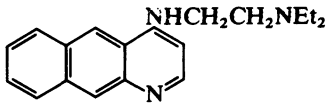
[6376-26-7]



$C_{19}H_{24}N_2O_2$ M 312.411

Analgesic, spasmolytic. Mp 44°.
▷CV7525000.
B,HCl: Mp 173°.
Belg. Pat., 639 158, (*1964*); *CA*, **65**, 2178 (*synth, pharmacol*)
Kienel, G., *Arzneim.-Forsch.*, 1966, **16**, 1127 (*pharmacol, tox*)

4-[[2-(Diethylamino)ethyl]amino]benzo[*g*]-quinoline D-00233
N'-Benzo[g]*quinolin-4-yl*-N,N-*diethyl-1,2-ethanediamine, 9CI*
[56548-50-6]



$C_{19}H_{23}N_3$ M 293.411
Antimalarial agent.
B,2H3PO4: [56548-51-7]. ***Dabequine***. *Dabekhin. G 800.* Mp 216-217°.
▷YE0450000.
U.S.S.R. Pat., 476 000, (*1975*); *CA*, **83**, 142107 (*synth, pharmacol*)
Bekhli, A.F. *et al*, *Med. Parazitol. Parazit. Bolezni*, 1977, **46**, 71; 1981, **50**, 27; 1983, **52**, 23 (*synth, pharmacol*)

α-[*N*-(β-Diethylaminoethyl)amino]-phenylacetic acid D-00234
α-[[2-(Diethylamino)ethyl]amino]benzeneacetic acid, 9CI. N-[*2-(Diethylamino)ethyl*]-*2-phenylglycine, 8CI*

$Et_2NCH_2CH_2NHCH(Ph)COOH$

$C_{14}H_{22}N_2O_2$ M 250.340
(±)-*form*
B,HBr: Mp 255-256° dec.
B,2HCl: Cryst. (MeOH/EtOH). Mp 229-230° dec.
Isopentyl ester: [54-30-8]. ***Camylofin, INN***. *Adopon. Avadyl. Belosin. Spasmocan. Other proprietary names.*
$C_{19}H_{32}N_2O_2$ M 320.474
Anticholinergic, spasmolytic agent. Pale-yellow oil. Bp_4 165-180°, $Bp_{1.5}$ 174-178°.
▷MB9625000.
Isopentyl ester; B,2HCl: [5892-41-1]. *Camylofin hydrochloride. Avacan.* Cryst. Mp 174-178° (173°).
▷MB9640000.
Ger. Pat., 842 206, (*1952*); *CA*, **47**, 5445 (*Camylofin*)
Ghielmetti, G., *CA*, 1953, **47**, 11161h (*Camylofin*)
Fujimura, H., *J. Pharm. Soc. Jpn.*, 1956, **76**, 1175 (*Camylofin*)
Murano, T. *et al*, *Jpn. J. Pharmacol.*, 1956, **5**, 122 (*metab, Camylofin*)
Szarvasi, E. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 1019 (*synth*)
Causa, P. *et al*, *Arch. Ital. Sci. Farmacol.*, 1959, **9**, 133 (*pharmacol, Camylofin*)
Edwards, B.K. *et al*, *J. Pharm. Pharmacol.*, 1960, **12**, 179 (*pharmacol, Camylofin*)
Bruzzese, T. *et al*, *J. Pharm. Sci.*, 1966, **55**, 737 (*synth*)
Crombez, E. *et al*, *J. Chromatogr.*, 1976, **117**, 161 (*glc*)

2-(Diethylamino)ethyl diphenylcarbamate, 8CI D-00235
Dicarfen. SD 25
[15585-88-3]

$Ph_2NCOOCH_2CH_2NEt_2$

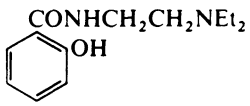
$C_{19}H_{24}N_2O_2$ M 312.411
Spasmolytic agent, local anaesthetic, antiparkinsonian agent. Oil. $Bp_{0.4}$ 169°.
B,HCl: [668-37-1]. *Sipasyl.* Cryst. (Me_2CO/EtOH). Mp 182°.
▷FA4375000.
Pálat, K. *et al*, *Experientia*, 1956, **12**, 273.
Sekera, A. *et al*, *J. Am. Pharm. Assoc.*, 1960, **49**, 394 (*pharmacol, props*)
Hazard, R. *et al*, *Bull. Soc. Chim. Fr.*, 1961, 2087 (*synth*)
Jahn, U. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 534 (*pharmacol*)
Fr. Pat., M4707, (*1967*); *CA*, **69**, 21898 (*synth, pharmacol*)

2-[2-(Diethylamino)ethyl]-*N,N'*-diphenyl-propanediamide, 9CI D-00236
2-(Diethylamino)ethylmalonanilide, 8CI. Detamid. Dethamid
[27258-23-7]

$(PhNHCO)_2CHCH_2CH_2NEt_2$

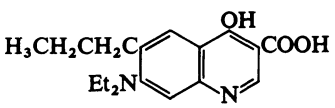
$C_{21}H_{27}N_3O_2$ M 353.463
Antiinflammatory agent. Mp 152-153°.
Gromova, E.G. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1974, **37**, 432 (*pharmacol*)
Moldaver, B. *et al*, *Khim. Geterosikl. Soedin.*, 1974, 403 (*synth*)

***N*-[2-(Diethylamino)ethyl]-2-hydroxybenzamide, 9CI** D-00237
N-[*2-(Diethylamino)ethyl*]*salicylamide, 8CI. **Saletamide, INN**. Salethamide. MA 593*
[46803-81-0]



$C_{13}H_{20}N_2O_2$ M 236.313
Analgesic. Bp_2 153°, $Bp_{0.01}$ 140-141°.
B,HCl: Cryst. (2-propanol). Mp 97-99°.
Maleate (1:1): [24381-55-3]. *Salethamide maleate, USAN.*
Massarani, E., *Farmaco, Ed. Sci.*, 1957, **12**, 700 (*synth*)
B.P., 862 721, (*1959*); *CA*, **56**, 12809 (*synth, pharmacol*)
B.P., 874 206, (*1961*); *CA*, **57**, 7180 (*synth, pharmacol*)
Phillips, B.M. *et al*, *J. Pharm. Sci.*, 1969, **58**, 1414 (*synth*)

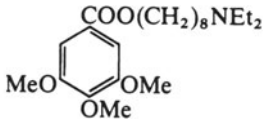
7-(Diethylamino)-4-hydroxy-6-propyl-3-quinolinecarboxylic acid D-00238



$C_{17}H_{22}N_2O_3$ M 302.372
Me ester: [17230-85-2]. ***Amquinate, USAN, INN***. *Amquinolate.*
$C_{18}H_{24}N_2O_3$ M 316.399
Antimalarial agent. Mp 212°.
McManus, E.C. *et al*, *J. Parasitol.*, 1968, **54**, 1190 (*pharmacol*)
U.S.P., 3 474 169, (*1969*); *CA*, **75**, 129681a (*synth, pharmacol*)

8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate D-00239

[57818-92-5]



$C_{22}H_{37}NO_5$ M 395.538

Intracellular calcium antagonist; inhibits calmodulin sensitive Ca^{2+}-ATPase activity; protein kinase C inhibitor.

B,HCl: [53464-72-5]. *TMB 8.* Mp 95°.

Malagodi, M.H. *et al*, *Eur. J. Pharmacol.*, 1974, **27**, 25 (*pharmacol, synth*)
Fairhurst, A.S. *et al*, *Life Sci.*, 1983, **32**, 1331 (*pharmacol*)
Simpson, A.W. *et al*, *FEBS Lett.*, 1984, **176**, 139 (*activity*)
Frank, G.B. *et al*, *Proc. West. Pharmacol. Soc.*, 1986, **29**, 215 (*pharmacol*)

2-(Diethylamino)-1-phenyl-1-propanone, 9CI D-00240

2-Diethylaminopropiophenone, 8CI. ***Amfepramone, INN.*** *Diethylpropion, BAN, USAN. Regenon. Tepanil. Tenuate. Numerous proprietary names*

[90-84-6]

$PhCOCH(CH_3)NEt_2$

$C_{13}H_{19}NO$ M 205.299

▷UG9450000.

(±)-form

Anorexic drug. Liq. Bp_{14} 110-112°, $Bp_{0.02}$ 84-85°.

B,HCl: [134-80-5]. *Diethylpropion hydrochloride, USAN. Apistate.* Cryst. Mp 168° dec.

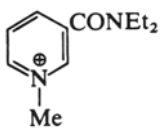
▷UH0360000.

Hyde, J.F. *et al*, *J. Am. Chem. Soc.*, 1928, **50**, 2287 (*synth*)
U.S.P., 3 001 910, (*1961*); *CA*, **56**, 2384 (*synth*)
Mueller, H.K. *et al*, *Justus Liebigs Ann. Chem.*, 1965, **689**, 134 (*synth*)
Sekiya, M. *et al*, *Chem. Pharm. Bull.*, 1970, **18**, 2081 (*synth*)
Jacques, J. *et al*, *Tetrahedron Lett.*, 1971, 4617 (*resoln*)
Hoekenga, M.T. *et al*, *Cent. Mech. Anorectic Drugs*, 1978, 391 (*rev, pharmacol*)
Beckett, A.H. *et al*, *Curr. Med. Res. Opin.*, 1979, **6**, 107 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2879 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1475.

3-(Diethylcarbamoyl)-1-methylpyridinium(1+) D-00241

3-[(Diethylamino)carbonyl]-1-methylpyridinium, 9CI. N′-Methylcoramine

[20168-80-3]



$C_{11}H_{17}N_2O^{\oplus}$ M 193.268 (ion)

Analeptic.

Chloride: [16237-07-3]. *Methylnicethamide. Ini-Cardio.*
$C_{11}H_{17}ClN_2O$ M 228.721
Mp 188°.

Camphorsulfonate: [4876-45-3]. ***Camphotamide, INN.*** *Camphramine. Tonicorine.*
$C_{21}H_{32}N_2O_5S$ M 424.554
Cryst. Mp 174-175°.

▷UU3874700.

Fr. Pat., 812 032, (*1937*); *CA*, **32**, 1052 (*synth, props*)
Machek, G., *Monatsh. Chem.*, 1938, **72**, 77 (*synth*)
Brazda, F.G. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1946, **62**, 19 (*tox*)
Boriani, A., *Arch. Ital. Sci. Farmacol.*, 1954, **4**, 385 (*pharmacol*)
Cuisa, W. *et al*, *Gazz. Chim. Ital.*, 1965, **95**, 1455 (*synth, props*)

***O,O*-Diethyl *S*-(2-dimethylaminoethyl) phosphorothioate** D-00242

O,O-*Diethyl* S-(*2-dimethylaminoethyl*) *thiophosphate*

[6736-03-4]

$(EtO)_2P(O)SCH_2CH_2NMe_2$

$C_8H_{20}NO_3PS$ M 241.285

Long acting anticholinesterase. Controls glaucoma. Liq. d_4^{20} 1.08. $Bp_{0.1}$ 85°. n_D^{25} 1.4655.

Hydrogen oxalate: [470-94-0]. Solid. Mp 116°.

▷Highly toxic. TF2025000.

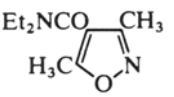
B,MeI: see Ecothiopate(1+), E-00010

Tammelin, L.E. *et al*, *Acta Chem. Scand.*, 1957, **11**, 1340 (*synth*)
Warren, C. *et al*, *J. Pharm. Sci.*, 1971, **60**, 1548.
Amitai, G. *et al*, *J. Med. Chem.*, 1976, **19**, 810 (*synth*)

***N,N*-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, 9CI** D-00243

Cycliton. Oxalept

[2433-20-7]



$C_{10}H_{16}N_2O_2$ M 196.249

Analeptic, respiratory stimulant. Bp_{11} 155-156°.

Hoffer, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1937, **56**, 211 (*pharmacol*)
Muench, H., *Deut. Med. Wochschr.*, 1938, **64**, 605 (*pharmacol*)
U.S.P., 2 115 681, (*1938*); *CA*, **32**, 4727 (*synth, pharmacol*)

Diethyldithiocarbamic acid D-00244

Diethylcarbamodithioic acid, 9CI

[147-84-2]

$Et_2NC(S)SH$

$C_5H_{11}NS_2$ M 149.269

Free acid unstable. Salts used as vulcanisation accelerators, esters as plasticisers. Na and K salts sol. H_2O.

▷Salts emit highly toxic fumes when heated. EZ4550000.

Zn salt: Vulcanisation accelerator. Mp 180°.

Me ester: [686-07-7].
$C_6H_{13}NS_2$ M 163.295
d_4^0 1.098. Mp 2°. Bp 256°.

▷EZ5700000.

Chloride: [88-11-9].
$C_5H_{10}ClNS$ M 151.654
Mp 46.5°. Bp_{10} 108°.

S-*Oxide:*
$C_5H_{11}NOS_2$ M 165.268
New class of sulfine.

Na salt: [148-18-5]. *Ditiocarb sodium, INN. Dithiocarb. Cupral. Imuthiol. DTC.*
$C_5H_{10}NNaS_2$ M 171.250

Antidote (in Wilson's disease). Immunopotentiator. Chelating agent. Mp 94-96° (when anhydr). Used as trihydrate.

▷EZ6475000.

Diethylamine salt (1:1): [1518-58-7]. *Contramine.* Antidote. Antibacterial. Cryst. (Et_2O). Mp 83-84°.

▷EZ5425000.

Grodzki, M., *Ber.*, 1881, **14**, 2754 (*synth*)
Clifford, A.M. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 1163 (*synth*)
Campbell, A.W. *et al*, *Ind. Eng. Chem.*, 1953, **45**, 125 (*use*)
Wahlberg, A., *Acta Crystallogr., Sect. B*, 1978, **34**, 3822 (*cryst struct*)
Cavell, K.J. *et al*, *J. Inorg. Nucl. Chem.*, 1979, **41**, 1277 (*synth, ir*)
Van Gaal, H.L.M. *et al*, *Inorg. Chem.*, 1979, **18**, 3251 (*cmr*)
Renoux, G. *et al*, *Dev. Immunol.*, 1982, **17**, 575 (*pharmacol*)
Mereiter, K. *et al*, *Inorg. Chim. Acta*, 1985, **98**, 71 (*struct*)
Renoux, G., *Int. Encycl. Pharmacol. Ther.*, 1985, **115**, 393 (*rev*)
Watanabe, Y. *et al*, *J. Org. Chem.*, 1988, **53**, 2119 (*oxide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1054.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 980, 1010, 1011.

Diethylenetriamine D-00245

N-(*2-Aminoethyl*)-*1,2-ethanediamine*, 9CI. *Di(2-aminoethyl)amine. 2,2′-Diaminodiethylamine. Bis(2-aminoethyl)amine*

[111-40-0]

$HN(CH_2CH_2NH_2)_2$

$C_4H_{13}N_3$ M 103.167

Used in manuf. of chelating agents, wet strength resins, epoxy resin curing agents, surfactants and corrosion inhibitors. Misc. H_2O, EtOH. Bp 208°.

▷Irritant, causes burns TLV 4. IE1225000.

Tripicrate: Prisms (H_2O). Mp 210-212° dec.

Tri-Ac:
$C_{10}H_{19}N_3O_3$ M 229.278
Felted needles (EtOH). Mp 220°.

N,N′,N″-*Tris(4-methylbenzenesulfonyl):* [87555-93-9]. Cryst. (DMF aq.). Mp 176-177°.

Copolymer with epichlorohydrin: [50925-79-6]. ***Colestipol, INN.*** *Colestid.* Antihyperlipoproteinaemic.

Copolymer with epichlorohydrin; B,HCl: [37296-80-3]. *Colestipol hydrochloride, USAN. U 26597A.* Pale-yellow granules.

Hofmann, A.W., *Proc. R. Soc. London*, 1862, **11**, 420.
Fargher, R.G., *J. Chem. Soc.*, 1920, **117**, 1351 (*synth*)
Mann, F.G., *J. Chem. Soc.*, 1934, 461.
v. Braun, J., *Ber.*, 1937, **70**, 979 (*synth*)
Ger. Pat., 2 053 585, (*1971*); *CA*, **75**, 49997 (*synth, Colestipol*)
Alhadeff, M. *et al*, *Drugs of Today*, 1978, **14**, 65 (*rev, Colestipol*)
Denney, D.B. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 7072.
Heel, R.C. *et al*, *Drugs*, 1980, **19**, 161 (*rev, Colestipol*)
Newkome, G.R. *et al*, *J. Org. Chem.*, 1983, **48**, 4848 (*pmr, ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 577.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 288.

Diethyl ether D-00246

1,1′-Oxybisethane, 9CI. *Ether. Ethyl ether. Diethyl oxide*

[60-29-7]

EtOEt

$C_4H_{10}O$ M 74.122

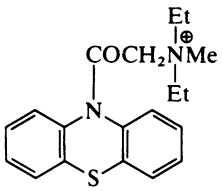
Detected in hop oil (*Humulus lupulus*). Widely used solvent dissolves P, S, Br_2, I. Formerly used as anaesthetic. Volatile liq. with characteristic odour. Sol. H_2SO_4, spar. sol. H_2O, misc. most org. solvs. d_4^{20} 0.714. Fp −116.2°, −123.3° (dimorph.). Bp 34.5°. n_D^{25} 1.3542.

▷Narcotic, TLV 1200. Extremely flammable flash p. −45°. Forms explosive peroxides; powerful oxidants produce explosions. KI5775000.

Krafft, F., *Ber.*, 1893, **26**, 2831 (*synth, props*)
Bruhl, J.W., *Ber.*, 1897, **30**, 158 (*props*)
Buttery, R.G. *et al*, *Nature (London)*, 1963, **200**, 435 (*isol*)
André, D. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2389 (*cryst struct*)
Price, H.L., *Pharmacol. Basis Ther. 5th Ed.*, 1975, 89 (*pharmacol*)
Keeley, D.E., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1980, **9**, 381 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3107.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 505-6.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 663.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 289.

N,N-Diethyl-*N*-methyl(10-phenothiazinylcarbonyl)-methylammonium(1+) D-00247

N,N-*Diethyl*-N-*methyl-β-oxo-10*H-*phenothiazine-10-ethanaminium*



$C_{19}H_{23}N_2OS^{\oplus}$ M 327.464 (ion)

Antispasmodic agent.

Iodide:
$C_{19}H_{23}IN_2OS$ M 454.368
Mp 187-189°.

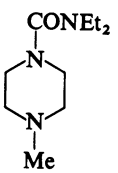
Methyl sulfate: [6249-68-9]. *Mefazine. Mephasine. Mephazin.* Mp 101-102°.

Khromov-Borisov, N.V. *et al*, *Zh. Obshch. Khim.*, 1959, **29**, 2663 (*synth, props*)
Spalva, E.A., *Farmakol. Toksikol. (Moscow)*, 1960, **23**, 331 (*pharmacol*)
Magazanik, L.G., *Farmakol. Toksikol. (Moscow)*, 1961, **24**, 541 (*pharmacol*)

N,N-Diethyl-4-methyl-1-piperazinecarboxamide, 9CI D-00248

Diethylcarbamazine, BAN, INN. *1-Diethylcarbamoyl-4-methylpiperazine. Carbamazine. Caricide. Ditrazin. Notezine. Carbilazine. Spatonin. Numerous proprietary names*

[90-89-1]



$C_{10}H_{21}N_3O$ M 199.295

Drug used in treating muchereriasis, loasis, onchocerciasis, ascariasis and ankylostomiasis. Cryst. Mp 47-49°. Bp_3 108.5-111°. Mostly used as citrate.

B,HCl: Cryst. (Me_2CO). Mp 156.6-157°.

Citrate (1:1): [1642-54-2]. *Diethylcarbamazine citrate, USAN. Filarabits.* Mp 137-138.5°.

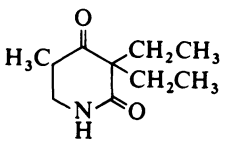
▷TL1225000.

Harned, B.K. *et al, Ann. N.Y. Acad. Sci.*, 1948, **50**, 141 (*pharmacol, tox*)
Kushner, S. *et al, J. Org. Chem.*, 1948, **13**, 151 (*synth*)
U.S.P., 2 467 893; 2 467 895, (*1949*); *CA*, **43**, 6245a (*synth, derivs*)
Fujii, K. *et al, J. Pharm. Soc. Japan*, 1956, **76**, 605 (*synth*)
Faulkner, J.K. *et al, Xenobiotica*, 1971, **1**, 321; 1972, **2**, 59 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1785.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 772.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1005, 1006.

3,3-Diethyl-5-methyl-2,4-piperidinedione, 9CI D-00249

Methyprylone, BAN. *Methyprylon, INN. Dimeron. Noctan. Noludar. Ro 1-6463*

[125-64-4]



$C_{10}H_{17}NO_2$ M 183.250

▷TM7350000.

(+)-*form*

Mp 84°. $[\alpha]_D^{20}$ +124° (c, 5 in H_2O). Shows slightly more pharmacol. activity than the racemate.

(−)-*form*

Mp 84°. $[\alpha]_D^{20}$ −118° (c, 5 in H_2O).

(±)-*form*

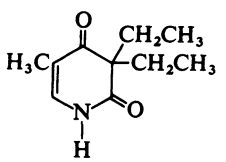
Sedative, hypnotic. Spar. sol. H_2O. Mp 74-77°. pK_a ca. 12 (>13).

Schnider, O. *et al, Experientia*, 1954, **10**, 135 (*synth*)
Vogler, K. *et al, Helv. Chim. Acta*, 1956, **39**, 1387 (*resoln*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 363 (*rev*)
Gwilt, P.R. *et al, J. Pharm. Sci.*, 1985, **74**, 1001 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4052.

3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, 9CI, 8CI D-00250

Ethypicone, INN. *Dehydromethyprylon*

[467-90-3]



$C_{10}H_{15}NO_2$ M 181.234

Hypnotic, sedative. Mp 75-76°.

Schnider, O. *et al, Experientia*, 1954, **10**, 135.
Swiss Pat., 330 658, (*1958*); *CA*, **53**, 6261a (*synth, pharmacol*)
Pribilla, O., *Arch. Toxikol.*, 1959, **18**, 1 (*uv, tox, pharmacol*)
Pankaskie, M.L. *et al, J. Chromatogr.*, 1983, **278**, 458 (*hplc*)

2,2-Diethyl-4-pentenoic acid, 9CI D-00251

Diethylallylacetic acid

[67020-02-4]

$$H_2C{=}CHCH_2C(CH_2CH_3)_2COOH$$

$C_9H_{16}O_2$ M 156.224

Amide: [512-48-1]. *Diethylallylacetamide.* ***Valdetamide, INN.*** *Epinoval. Novonal. "Pentenamide". DAPA.* $C_9H_{17}NO$ M 155.239

Mild hypnotic. Mp 75-76°.

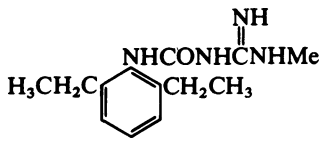
▷SB2145000.

Bockmühl, M. *et al, Deut. Med. Wochschr.*, 1928, **54**, 270, 271 (*amide*)
Beyer, K.H., *Deut. Apoth.-Ztg.*, 1978, **118**, 1303 (*rev, amide*)
Klug, E. *et al, Arzneim.-Forsch.*, 1979, **29**, 1651 (*anal, metab, amide*)
Eur. Pat., 33 233, (*1981*); *CA*, **95**, 203337 (*synth*)

1-(2,6-Diethylphenyl)-3-(methylamidino)-urea D-00252

N-(*2,6-Diethylphenyl*)-N′-[*imino*(*methylamino*)*methyl*]*urea, 9CI. WHR 1330*A

[67165-57-5]



$C_{13}H_{20}N_4O$ M 248.327

Antiarrhythmic agent.

B,HCl: [65009-45-2]. Mp 154-155°.

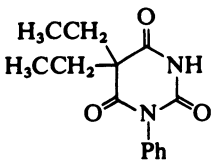
▷YS9389600.

Douglas, G.H. *et al, Arzneim.-Forsch.*, 1978, **28**, 1435 (*synth, pharmacol*)

5,5-Diethyl-1-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI D-00253

5,5-Diethyl-1-phenylbarbituric acid, 8CI. ***Phetharbital, INN.*** *Pyrictal. Fedibaretta*

[357-67-5]



$C_{14}H_{16}N_2O_3$ M 260.292

Anticonvulsant used for treatment of unconjugated hyperbilirubinaemia. Mp 197°.

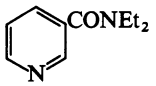
▷CQ3774000.

Fischer, E. *et al, Justus Liebigs Ann. Chem.*, 1904, **335**, 349 (*synth*)
Bush, M.T. *et al, J. Pharmacol.*, 1940, **68**, 278 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4063.

N,N-Diethyl-3-pyridinecarboxamide, 9CI D-00254

N,N-*Diethylnicotinamide, 8CI.* ***Nikethamide, INN.*** *Carbamidal. Corvotone. Coraton. Cordiamin. Nicethamide. Salvacarol. Ventramine. Numerous tradenames*

[59-26-7]



$C_{10}H_{14}N_2O$ M 178.233

Central and respiratory stimulant. Pale yellow oil or cryst. with sl. bitter taste. Mp 24-26°. Bp 296-300° dec., $Bp_{0.4}$ 115°.

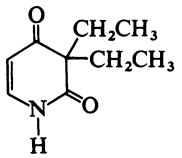
▷May induce convulsion at high doses. QS4375000.

Oxley, P. *et al, J. Chem. Soc.*, 1946, 763 (*synth*)
Pórszász, J. *et al, Acta Physiol. Acad. Sci. Hung.*, 1955, **7**, 139 (*pharmacol*)
Kracmar, J. *et al, Pharmazie*, 1968, **23**, 567 (*uv*)
Chambon, P. *et al, C.R. Hebd. Seances Acad. Sci., Ser. D*, 1969, **269**, 523 (*metab, ms, nmr*)
Khakimov, Kh.Kh. *et al, Zh. Strukt. Khim.*, 1969, **10**, 1036 (*ir*)
Batyr, D.G. *et al, Zh. Neorg. Khim.*, 1972, **17**, 3004 (*ir*)
Kaempe, B., *Arch. Pharm. Chem.*, 1974, **81**, 1183 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1633 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1434.

3,3-Diethyl-2,4(1*H*,3*H*)-pyridinedione, 9CI D-00255

Pyrithyldione, INN. *Didropyridinum. Benedorm. Persedon. Presidon. Pyridion. Tetridin. Nu 903*

[77-04-3]



$C_9H_{13}NO_2$ M 167.207

Hypnotic. Bp_{14} 187-189°.

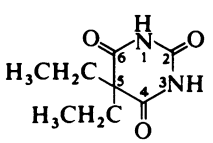
▷UT2810530.

Scheibl, F. *et al, Arch. Toxikol.*, 1960, **18**, 253 (*synth*)
Corrodi, H. *et al, Helv. Chim. Acta*, 1962, **45**, 2618 (*pharmacol*)
Nuhn, P. *et al, Tetrahedron Lett.*, 1970, 611 (*nmr*)
Ostercamp, D.L., *J. Org. Chem.*, 1970, **35**, 1632 (*uv*)
Natarajan, P.N., *Bull. Narcotics*, 1972, **24**, 39 (*ir*)
Bertram, J., *Dtsch. Apoth.-Ztg.*, 1974, **114**, 1395 (*tlc*)
Ostercamp, D.L. *et al, J. Org. Chem.*, 1975, **40**, 500 (*ms*)
Lauwereys, M. *et al, Chromatographia*, 1976, **9**, 520 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4065.

5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI D-00256

5,5-Diethylbarbituric acid. Diethylmalonylurea. ***Barbital, INN.*** *Barbitone. Veronal. Numerous proprietary names*

[57-44-3]



$C_8H_{12}N_2O_3$ M 184.194

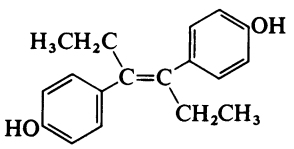
Exists in several tautomeric forms. Powerful hypnotic and sedative of long duration. Faintly bitter cryst. (H_2O); polymorphic forms; triagonal cryst., monoclinic prisms, monoclinic needles, triclinic cryst. Mp 190°, 183°, 181°, 176°. pK_a 7.43. Also used as Na salt Barbital sodium, INN.

▷CQ3500000.

N-*Me: see Metharbitone, M-00173*
Fischer, E. *et al, Justus Liebigs Ann. Chem.*, 1904, **335**, 334 (*synth*)
Köfler, A., *CA*, 1947, **41**, 3584 (*props*)
Craven, B.M. *et al, J. Mol. Struct.*, 1973, **16**, 331 (*cryst struct*)
Japan. Pat., 7 537 673, (*1975*); *CA*, **85**, 108659 (*synth*)
Asada, S. *et al, Bull. Chem. Soc. Jpn.*, 1978, **51**, 3379 (*cmr*)
McMullen, R.K. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 3719 (*cryst struct*)
Voronin, V.G. *et al, CA*, 1978, **89**, 107167 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 969 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4009, 4010.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 344.

Diethylstilbestrol, INN, USAN D-00257

4,4'-(1,2-Diethyl-1,2-ethenediyl)bisphenol, 9CI. 3,4-Bis-(4-hydroxyphenyl)-3-hexene. α,α-Diethyl-4,4'-dihydroxystilbene. Stilboestrol. Estromon. Estilbin MCO. Numerous proprietary names



(*E*)-*form*

$C_{18}H_{20}O_2$ M 268.355

Component of Tylosterone.

(*E*)-*form* [56-53-1]

Palmestril

Strong oestrogen. Used in animal feed additives. Also a strong ichthyotoxin and coronary vasodilator. Plates (EtOAc or C_6H_6). Mp 171-172°.

▷Highly toxic, human carcinogen. Causes male impotence and transsexual changes. WJ5600000.

Disulfate: [316-23-4]. *Diethylstilbestrol disulfate. Hydroestryl. Idroestril. M.G. 137.*
$C_{18}H_{20}O_8S_2$ M 428.471

Diphosphate: [522-40-7]. ***Fosfestrol, BAN, INN, JAN.*** *Honvol. Stilphostrol. Stilbestrol diphosphate. Other synonyms.*
$C_{18}H_{22}O_8P_2$ M 428.315
Used to treat prostatic carcinoma. Cryst. powder. Mp 249-252° (204-206°). Dec. at 204-6°.

▷WJ5680000.

Di-Ac: [5965-06-0]. *Hormostilboral stark.*
$C_{22}H_{24}O_4$ M 352.429
Mp 123-124°.

Mono-Me ether: [18839-90-2]. *4-[1-Ethyl-2-(4-methoxyphenyl)-1-butenyl]phenol, 9CI. Diethylstilbestrol monomethyl ether.* ***Mestilbol.*** *Monomestro.*
$C_{19}H_{22}O_2$ M 282.382
Synthetic oestrogen. Needles (C_6H_6/pet. ether), leaflets (EtOH 70%). Mp 116-117°. $Bp_{0.3}$ 185-195°.

Di-Me ether: [130-79-0]. ***Dimestrol.*** *Depot-Ostromon. Dimethoxydiethylstilbene. Synthila. Other synonyms.*
$C_{20}H_{24}O_2$ M 296.408
Plates (pet. ether). Mp 124°.

Monobenzyl ether: [6202-26-2]. *4-[1-Ethyl-2-[4-(phenylmethoxy)phenyl]-1-butenyl]phenol, 9CI. Hypantin. Monozol. Pituitrope.*
$C_{25}H_{26}O_2$ M 358.479
Hypophysis inhibitor.
▷WJ6968000.

Dipropanoate: [130-80-3]. *Diethylstilbestrol dipropionate. Stilbestriol DP. Synestrin. Willestrol. Numerous other synonyms.*
$C_{24}H_{28}O_4$ M 380.483
Plates (MeOH). Mp 104°.
▷WJ5775000.

Didodecanoate: Acnestrol-Lotion. Diethylstilbestrol dilaurate.
$C_{42}H_{64}O_4$ M 632.965

Dihexadecanoate: [6533-53-5]. *4,4'-(1,2-Diethyl-1,2-ethenediyl)bis[phenol]dihexadecanoate, 9CI. Diethylstilbestrol dipalmitate. Palmestril. Stilpalmitate.*
$C_{50}H_{80}O_4$ M 745.180
Plates (hot EtOH). Mp 77-78°.

Bis[di(2-chloroethyl)carbamate]: [15470-58-3]. *Bis(2-chloroethyl)carbamic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, 9CI. ICI 85966. Stilbostat.*
$C_{28}H_{34}Cl_4N_2O_4$ M 604.400

(*Z*)-form [22610-99-7]

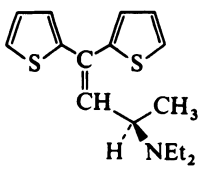
Dipropanoate:
Mp 79° (71-72°). A compd. originally thought to be the (*Z*)-form of Stilboestrol was shown to be the $\Delta^{2,3}$-isomer (ψ-Stilboestrol).

Kharasch, N. *et al, J. Am. Chem. Soc.*, 1943, **65**, 11 (*synth*)
Solmssen, U.V., *Chem. Rev.*, 1945, **37**, 481 (*rev, uv*)
Doskosch, J. *et al, Monatsh. Chem.*, 1953, **84**, 1146 (*isom*)
Busetta, B., *Acta Crystallogr., Sect. B*, 1973, **29**, 2456 (*struct*)
Engel, L.L. *et al, Biomed. Mass Spectrom.*, 1978, **5**, 582 (*ms*)
Crawley, G.C., *Kirk-Othmer. Encycl. Chem. Technol.*, 3rd Ed., 1980, **12**, 658 (*pharmacol, toxicol*)
Williard, P.G. *et al, Tetrahedron Lett.*, 1980, **21**, 3731 (*synth*)
Metzler, M., *CRC Crit. Rev. Biochem.*, 1981, **10**, 171 (*rev, metab*)
Leimner, J. *et al, Chem. Ber.*, 1982, **115**, 3697 (*synth, deriv*)
Schneider, M. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 49 (*synth, deriv*)
Duax, W.L. *et al*, EHP, *Environ. Health Perspect.*, 1985, **61**, 111 (*cryst struct*)
Inamori, Y. *et al, Chem. Pharm. Bull.*, 1985, **33**, 4478 (*pharmacol, uv, ir, pmr*)
Darden, T. *et al, J. Am. Chem. Soc.*, 1986, **108**, 207 (*conformn*)
Oda, T. *et al, Chem. Pharm. Bull.*, 1988, **36**, 1534 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4805, 4885, 5765, 7091.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9053, 9105, 9106.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1028, 1029.

Diethylthiambutene, BAN, INN D-00258

N,N-*Diethyl-4,4-di-2-thienyl-3-buten-2-amine, 9CI. 3-Diethylamino-1,1-di-2'-thienyl-1-butene. Diethibutine. Grapon. Themalon. Thiambutene. BW 49-191. C 49. 191-C-49. NIH 4185*

[86-14-6]



(+)-*form* Absolute configuration

$C_{16}H_{21}NS_2$ M 291.469
▷BA6300000.

(*R*)-form
Analgesic, narcotic. The pharmacol. active enantiomer.
B,HI: Mp 139-140°. $[\alpha]_D^{20}$ +109° (c, 0.9 in EtOH).

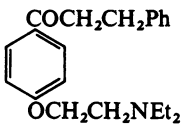
(±)-form
$Bp_{0.03}$ 122-128°.
B,HCl: Mp 152-153°.
B,HI: Plates. Mp 147-148°.

Adamson, D.W. *J. Chem. Soc.*, 1950, 885 (*synth*)
Green, A.F. *et al, Br. J. Pharmacol,*, 1953, **8**, 2; 1954, **9**, 106 (*pharmacol*)
Beckett, A.H. *et al, J. Chem. Soc.*, 1955, 900 (*abs config*)
Beckett, A.H. *et al, J. Pharm. Pharmacol.*, 1956, **8**, 860 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12649.

Dietifen, INN D-00259

1-[4-[2-(Diethylamino)ethoxy]phenyl]-3-phenyl-1-propanone, 9CI. 4'-[2-(Diethylamino)ethoxy]-3-phenylpropiophenone, 8CI. 4-[2-(Diethylamino)ethoxy]phenyl phenethyl ketone

[3686-78-0]



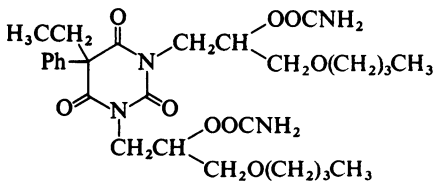
$C_{21}H_{27}NO_2$ M 325.450
Anaesthetic, vasodilator. Bp_{30} 264-268°, Bp_1 212-213°.
B,HCl: Mp 129-130°.
B,EtI: Mp 122°.
Citrate (1:1): [58919-63-4]. *Epilin.* Mp 118-119°.

Zasosov, V.A. *et al, CA*, 1957, **51**, 4994d (*synth*)
B.P., 905 903, (*1962*); *CA*, **58**, 5576g (*synth, pharmacol*)

Difebarbamate, INN D-00260

1,3-Bis(3-butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid dicarbamate, 8CI

[15687-09-9]



$C_{28}H_{42}N_4O_9$ M 578.661
Sedative. Component of Tetrabamate.

B.P., 1 193 438, (*1968*); *CA*, **70**, 57881n (*synth*)

Difemerine, INN D-00261

2-(Dimethylamino)-2-methylpropyl benzilate. 2-(Dimethylamino)-2-methylpropyl diphenylglycolate. α-Hydroxy-α-phenylbenzeneacetic acid 2-(dimethylamino)-1,1-dimethylethyl ester

[3477-97-2]

$Ph_2C(OH)COOCH_2C(CH_3)_2NMe_2$

$C_{20}H_{25}NO_3$ M 327.422
Anticholinergic, spasmolytic agent. Mp 78-78.3°.
▷DD3155000.

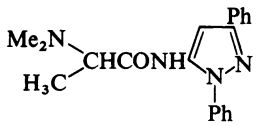
B,HCl: [70280-88-5]. *Luostyl. UP 57.* Cryst. (2-propanol). Mp 182°.

Kuznetsov, S.G. *et al*, *Zh. Obshch. Khim.*, 1962, **32**, 511 (*synth, pharmacol*)
Fr. Pat., M3406, (*1965*); *CA*, **63**, 13163 (*synth, pharmacol*)
Carpy, A. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 882 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 362.

Difenamizole, INN D-00262

1,3-Diphenyl-5-(2-dimethylaminopropionamido)-pyrazole. 2-(Dimethylamino)-N-(1,3-diphenylpyrazol-5-yl)propionamide. AP-14. Pasalin

[20170-20-1]



$C_{20}H_{22}N_4O$ M 334.420

▷UE3865000.

(±)-form

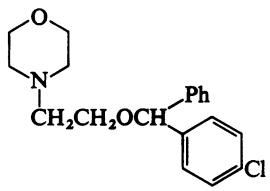
Analgesic, antiinflammatory, muscle relaxant, narcotic antagonist. Pale-yellow powder. Mp 123-128°.

Japan. Pat., 68 06 621, (*1968*); *CA*, **69**, 106704x (*synth, pharmacol*)
Tanaka, H. *et al*, *Oyo Yakuri*, 1972, **6**, 279 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2634.

Difenclosazine, INN D-00263

4-[2-(p-Chloro-α-phenylbenzyloxy)ethyl]morpholine, 8CI. Diphenchloxazine

[5617-26-5]



$C_{19}H_{22}ClNO_2$ M 331.841

Tranquilliser. Bp_5 197°, $Bp_{0.6}$ 174-178°.

B,HCl: [1798-49-8]. *Olympax. LD 2630.* Mp 140-141°.

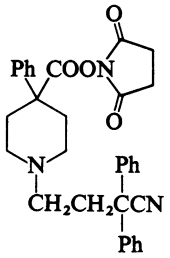
▷QE0440000.

Arnold, H. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 189 (*synth, pharmacol*)
Usdin, E. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1961, **108**, 461 (*pharmacol*)
Takatori, K. *et al*, *Yakugaku Zasshi*, 1967, **87**, 1109 (*synth*)

Difenoximide, INN D-00264

4-[[(2,5-Dioxo-1-pyrrolidinyl)oxy]carbonyl]-α,α,4-triphenyl-1-piperidinebutanenitrile, 9CI

[47806-92-8]



$C_{32}H_{31}N_3O_4$ M 521.615

Antiperistaltic drug. Mp 156-157°.

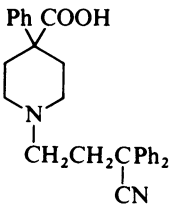
B,HCl: [37800-79-6]. *Difenoximide hydrochloride, USAN. SC 26100.* Cryst. (2-propanol/diisopropyl ether). Mp 242-244°.

Ger. Pat., 2 161 865, (*1972*); *CA*, **77**, 139818 (*synth, pharmacol*)
Tennant, F.S. *et al*, *Probl. Drug Depend.*, 1976, 242 (*pharmacol*)

Difenoxin, BAN, USAN, INN D-00265

1-(3-Cyano-3,3-diphenylpropyl)-4-phenyl-4-piperidinecarboxylic acid, 9CI. Difenoxylic acid. Dioctin. Lyspafen. Motofen. Rheatrol. McN JR 15403-11. R 15403

[28782-42-5]



$C_{28}H_{28}N_2O_2$ M 424.541

Antidiarrhoeal.

B,HCl: [35607-36-4]. Powder. Spar. sol. H_2O, org. solvs. Mp 290°.

▷NS5310000.

Et ester: [915-30-0]. ***Diphenoxylate, BAN, INN.*** *8049 CB. FH 049E. NIH 7562. R 1132.*
$C_{30}H_{32}N_2O_2$ M 452.595
Antidiarrhoeal.

▷NS5290000.

Et ester; B,HCl: [3810-80-8]. Cryst. Mp 220.5-222°.

▷NS5300000.

Butyl ester: [15302-05-3]. ***Butoxylate, INN.*** *Butyl difenoxilate. R 1319.*
$C_{32}H_{36}N_2O_2$ M 480.649
Antidiarrhoeal.

Butyl ester; B,HCl: Mp 208-208.5°.

2-Phenoxyethyl ester: [54063-45-5]. ***Fetoxylate, BAN.*** *Fetoxilate, INN. McN JR 13558-11. R 13558.*
$C_{36}H_{36}N_2O_3$ M 544.692
Antidiarrhoeal and smooth muscle relaxant.

2-Phenoxyethyl ester; B,HCl: [23607-71-8]. *Fetoxylate hydrochloride, USAN.* Mp 208-210°.

U.S.P., 2 898 340, (*1959*); *CA*, **54**, 2367 (*esters*)
Ger. Pat., 1 807 691, (*1969*); *CA*, **71**, 81194 (*fetoxylate*)
Ger. Pat., 1 953 342, (*1970*); *CA*, **73**, 38571g (*synth, pharmacol*)
van Wijngaarden, I. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 513 (*numerous papers*)
Alhadeff, M., *Drugs of Today*, 1976, **12**, 347 (*rev*)

v. Bever, W. *et al*, *Mod. Pharmacol.-Toxicol.*, 1976, **7**, 23, 37 (*revs*)
Biandri, C. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1040 (*pharmacol*)
Hong, D.D. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 149 (*diphenoxylate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7950.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6223.

Difeterol, INN D-00266

α-[1-[[2-(Diphenylmethoxy)ethyl]methylamino]ethyl]-benzyl alcohol, 8CI. Pandryl

[14587-50-9]

$Ph_2CHOCH_2CH_2NMeCH(CH_3)CH(OH)Ph$

$C_{25}H_{29}NO_2$ M 375.510

Antihistaminic agent. Mp 72-73°.

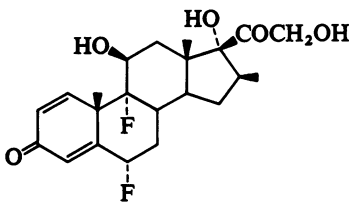
B,HCl: Mp 185-186°.

Japan. Pat., 64 1 923, (*1964*); *CA*, **60**, 14437gh (*synth, pharmacol*)

Diflorasone, INN D-00267

6α,9-Difluoro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione, 9CI, 8CI

[2557-49-5]



$C_{22}H_{28}F_2O_5$ M 410.457

Obt. from the corresponding 4-ene-3,20-dione by incubation with *Nocardia opaca*. Glucocorticoid. Antiinflammatory and antiallergic agent. Cryst. (MeOH).

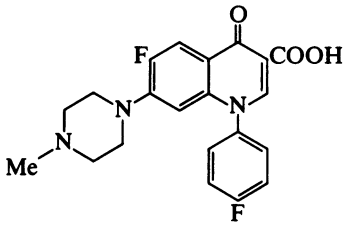
17,21-Di-Ac: [33564-31-7]. ***Diflorasone diacetate, USAN.*** *Bexilona. Diacort. Difral. Florone. Flurone. Maxiflor. Murode. Sparcort. Surfone. U 34865.*
$C_{26}H_{32}F_2O_7$ M 494.531
Topical antiinflammatory agent. Cryst. (Me_2CO/MeOH). Mp 221-223° dec. $[\alpha]_D$ +61° ($CHCl_3$).

B.P., 881 334, (*1959*); *CA*, **56**, 15585 (*synth, pharmacol*)
Ger. Pat., 2 308 731, (*1973*); *CA*, **79**, 146739a (*synth, pharmacol*)
Bluefarb, S.M. *et al*, *J. Int. Med. Res.*, 1976, **4**, 454.
Hammarstrom, S. *et al*, *Science*, 1977, **197**, 994 (*pharmacol*)
Wickrema, S. *et al*, *J. Invest. Dermatol.*, 1978, **71**, 372 (*pharmacol*)
Moore, A.F., *Med. Actual.*, 1979, **15**, 445 (*rev, diacetate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12651.

Difloxacin, INN D-00268

1-(p-Fluorophenyl)-6-fluoro-7-(4-methyl-1-piperazinyl)-1,4-dihydro-4-oxoquinoline-3-carboxylic acid

[98106-17-3]



$C_{21}H_{19}F_2N_3O_3$ M 399.396

Antibacterial agent. DNA gyrase inhibitor.

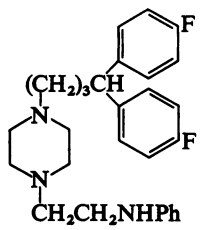
B,HCl: [91296-86-5]. *Difloxacin hydrochloride, USAN. Abbott 56619.* Cryst. (H_2O). Mp >275°.

Chu, D.T.W. *et al*, *J. Med. Chem.*, 1985, **28**, 1558 (*synth, pharmacol*)
Fernandes, P.B. *et al*, *Antimicrob. Agents Chemother.*, 1986, **29**, 201 (*pharmacol*)
Granneman, G.R. *et al*, *Antimicrob. Agents Chemother.*, 1986, **30**, 689 (*metab*)
Granneman, G.R. *et al*, *J. Chromatogr.*, 1987, **413**, 199 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19232.

Difluanine D-00269

4-[4,4-Bis(4-fluorophenyl)butyl]-N-phenyl-1-piperazineethanamine, 9CI. 1-(2-Anilinoethyl)-4-[4,4-bis(p-fluorophenyl)butyl]piperazine, 8CI. ***Difluanazine, INN.*** *McN-JR 7242-11. R 7242*

[5522-39-4]



$C_{28}H_{33}F_2N_3$ M 449.586

Central stimulant.

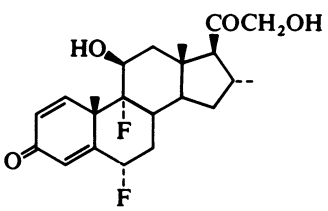
B,3HCl: [5522-33-8]. *Difluanine hydrochloride, USAN.* Mp 234-235°.

Netherlands Pat., 6 507 312, (*1965*); *CA*, **64**, 12706d (*synth, pharmacol*)

Diflucortolone, BAN, USAN, INN D-00270

6α,9-Difluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione, 9CI, 8CI

[2607-06-9]



$C_{22}H_{28}F_2O_4$ M 394.458

Glucocorticoid. Antiinflammatory and antiallergic agent. Mp 248-249°. $[\alpha]_D^{22}$ +111° (MeOH).

21-Pentanoyl: [59198-70-8]. ***Diflucortolone valerate, JAN.*** *Claral. Demetex. Neriforte. Nerilan. Nerisone. Talacort. Temetex. Texmeten. Ro 10-7614. SHK 183.*
$C_{27}H_{36}F_2O_5$ M 478.575

Antiinflammatory and antiallergic agent. Cryst. Mp 195-195.5°. $[\alpha]_D^{22}$ +100.8° (dioxan).

▷TU3830500.

21-(2,2-Dimethylpropanoyl): [15845-96-2]. ***Diflucortolone pivalate, USAN.*** *SH 968.*

$C_{27}H_{36}F_2O_5$ M 478.575

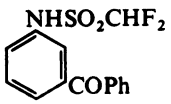
Antiinflammatory and antiallergic agent.

Belg. Pat., 639 708, (*1964*); *CA*, **62**, 14786g (*synth*)
Alhadeff, M., *Drugs of Today*, 1976, **12**, 259 (*valerate*)
Kapp, J.F. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1462 (*pharmacol*)
Joseph-Nathan, P. *et al*, *Spectrochim. Acta, Part A*, 1984, **40**, 347 (*F-19 nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1087.

Diflumidone, BAN, INN D-00271

N-(3-Benzoylphenyl)-1,1-difluoromethanesulfonamide, 9CI. 3'-Benzoyl-1,1-difluoromethanesulfanilide, 8CI

[22736-85-2]



$C_{14}H_{11}F_2NO_3S$ M 311.303

Antiinflammatory drug. Mp 99-100.5°.

▷PB0507500.

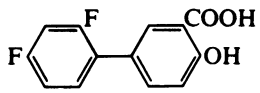
Na salt: [22737-01-5]. *Diflumidone sodium, USAN. BA 4164-8. MBR 4164-8. R 807.* Mp 228-230°.

Harrington, J.K. *et al*, *J. Med. Chem.*, 1970, **13**, 137 (*synth, pharmacol*)
Wax, J. *et al*, *J. Pharmacol. Exp. Ther.*, 1975, **192**, 172 (*pharmacol*)

2',4'-Difluoro-4-hydroxy-3-biphenylcarboxylic acid D-00272

5-(2,4-Difluoro)salicylic acid. ***Diflunisal,*** *BAN, INN, USAN,* ***JAN.*** *Dolobid. Numerous proprietary names*

[22494-42-4]



$C_{13}H_8F_2O_3$ M 250.201

Analgesic, antiinflammatory and antipyretic agent. Cryst. (C_6H_6/pet. ether). Mp 210-211°.

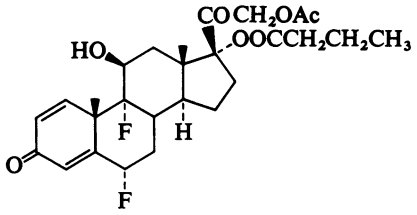
▷DV2030000.

Hannah, J. *et al*, *J. Med. Chem.*, 1978, **21**, 1093 (*synth, use*)
Brodgen, R.N. *et al*, *Drugs*, 1980, **19**, 84 (*rev*)
Winter, C.A. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1981, **3**, 291 (*rev, pharmacol*)
Cotton, M.L. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 491 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2629 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2635.

Difluprednate, USAN, INN D-00273

21-(Acetyloxy)-6α,9-difluoro-11β-hydroxy-17-(1-oxobutoxy)pregna-1,4-diene-3,20-dione, 9CI. 6α,9-Difluoro-11β,17,21-trihydroxypregna-1,4-diene-3,20-dione 21-acetate 17-butyrate, 8CI. Epitopic. CM 9155. W 6309

[23674-86-4]



$C_{27}H_{34}F_2O_7$ M 508.558

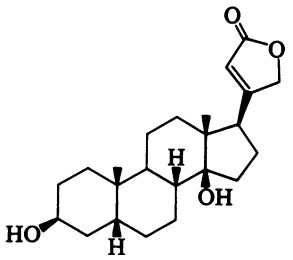
Glucocorticoid. Antiinflammatory drug. Cryst. (CH_2Cl_2/Et_2O/pet. ether). Mp 191-194°. $[\alpha]_D^{22}$ +31.7° (c, 0.5 in dioxan).

South African Pat., 68 03 686, (*1968*); *CA*, **71**, 61689u (*synth, pharmacol*)
Gardi, R. *et al*, *J. Med. Chem.*, 1972, **15**, 556 (*pharmacol*)
Barbier, A. *et al*, *Therapie*, 1978, **33**, 607 (*pharmacol*)
Navarro, J. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 2302 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12652.

Digitoxigenin D-00274

3β,14β-Dihydroxy-5β-card-20(22)-enolide

[143-62-4]



$C_{23}H_{34}O_4$ M 374.519

Cardiac aglycone. Cryst. (EtOH aq.). Mp 253°. $[\alpha]_D^{17}$ +19.1° (c, 1.4 in MeOH).

▷FH4975000.

3-O-L-Cymaroside: [31087-88-4]. ***Wallichoside.***

$C_{30}H_{46}O_7$ M 518.689

Constit. of *Beaumontia grandiflora.* Cryst. Mp 193-196°. $[\alpha]_D$ −65.5° ($CHCl_3$).

3-O-(Deoxy-D-galactoside): [63700-70-9]. ***Digiproside.***

$C_{29}H_{44}O_8$ M 520.662

Constit. of Digitalis. Cryst. (Me_2CO/Et_2O). Mp 194-196°. $[\alpha]_D^{21}$ 0°.

3-O-(2,6-Dideoxy-4-O-β-D-glycopyranosyl-β-D-xylohexopyranoside): [57361-71-4]. ***Coroloside.***

$C_{35}H_{54}O_{12}$ M 666.804

Constit. of *Corchorus olitorius.* Cryst. Mp 235-237°. $[\alpha]_D^{20}$ −46.7° (MeOH).

3-O-(β-D-Glycosyl-D-cymaroside): ***Echubioside.***

$C_{36}H_{56}O_{12}$ M 680.831

From *A. bohemianum* and *A. lugordii.* Cryst. (Me_2CO). Mp 231-234°. $[\alpha]_D$ +4.2° (c, 0.959 in MeOH).

3-O-[3'-O-Methyl-α-L-rhamnopyranoside]: [4356-33-6]. ***3'-O-Methylevomonoside.***

$C_{30}H_{46}O_8$ M 534.689

Constit. of *Thevetia ahouia.* Cryst. (EtOH). Mp 203-204°. $[\alpha]_D^{25}$ −20.6° (MeOH).

▷WF0540000.

3-O-(*2,3-Di*-O-*methyl-β-D-glucopyranoside*): ***Asperoside***.
$C_{31}H_{48}O_9$ M 564.715
Constit. of *Streblus asper*. Cryst. Mp 198-205°. $[\alpha]_D$ −19.5° (c, 0.98 in MeOH).

3-O-*Glycosidofucoside:* [2446-63-1]. ***Glucodigifucoside***.
$C_{35}H_{54}O_{13}$ M 682.804
Constit. of *D. purpurea*. Cryst. (MeOH aq.). Mp 194-197°. $[\alpha]_D^{21}$ −3° (c, 1.5 in Py).

▷LZ4800000.

3-O-(*α-D-Glycosyl-β-D-glycosyl-D-cyamoside*): ***Echujin***.
$C_{42}H_{66}O_{17}$ M 842.973
Constit. of *Adenium bohemianum* and *A. lugardii*. Arrow poison. Cryst. (Me_2CO). Mp 165-172°. $[\alpha]_D^{20}$ −6.5° (c, 1 in MeOH).

▷Highly toxic, LD_{50} 0.3 mg/kg (cat)

3-O-[*β-D-Glucosyl-D-*(*3*-O-*methyl*)*glucoside*]: ***Gracilo-side***. *Odoroside* F.
$C_{36}H_{56}O_{13}$ M 696.831
Constit. of *Strophanthus gracilis*. Cryst. ($CHCl_3$/MeOH/Et_2O). Mp 298-302° dec. $[\alpha]_D^{25}$ −15.3° (c, 0.9 in MeOH).

3-O-*α-L-Rhamnopyranoside:* [508-93-0]. ***Evomonoside***.
$C_{29}H_{44}O_8$ M 520.662
Constit. of *Evonymus europaea*. Cryst. (MeOH). Mp 238-240°. $[\alpha]_D^{20}$ −30.6° (c, 1.2 in MeOH).

▷FH4780000.

3-O-*Oleandroside:* [31087-87-3]. ***Beaumontoside***.
$C_{30}H_{46}O_7$ M 518.689
Constit. of *Beaumontia grandiflora*. Cryst. Mp 202-203°. $[\alpha]_D$ −32.5° ($CHCl_3$).

▷FH4920620.

3-O-*Thevetoside:* [466-07-9]. ***Neriifolin***.
$C_{30}H_{46}O_8$ M 534.689
Cryst. (MeOH aq.). Mp 218-225°. $[\alpha]_D^{23}$ −50.2° (MeOH).

▷FH4906100.

3-O-*Oleandroside, 14-Ac:* [25633-33-4]. ***Cerberin***. *Vaneferine*.
$C_{32}H_{48}O_9$ M 576.726
Constit. of *Cerbera odollam and Tanghinia* and *Venefera* spp. Cryst. (MeOH). Mp 312-315°. $[\alpha]_D$ −86° (MeOH).

▷FH4906200.

3-O-*Gentiobioside:* [27127-79-3]. ***Thevetin* B**. *Cerberoside*.
$C_{42}H_{66}O_{18}$ M 858.973
Constit. of *Thevetia neriifolia*. Cryst. (H_2O). Mp 197-201°. $[\alpha]_D^{24}$ −61.4° (c, 1.5 in MeOH).

3-O-(*β-D-Thevetoside*): [560-67-8]. ***Hongkelin***. *Honghelin*.
$C_{30}H_{46}O_8$ M 534.689
Constit. of *Adenium hongkei*. Cryst. Mp 130-135°. $[\alpha]_D^{26}$ −10.3° (MeOH).

3-O-(*β-D-Glucoside*): [17059-16-4].
$C_{29}H_{44}O_9$ M 536.661
Constit. of *D. lanata*. Cryst. Mp 232-233°. $[\alpha]_D^{25}$ −3.9° (c, 0.5 in EtOH).

3β-(*2',3'-Didesoxy-α-L-rhamnopyranosyloxy*): [33156-28-4]. ***Ramnodigin, INN***.
$C_{29}H_{44}O_6$ M 488.663
Cardiotonic. Mp 218°. $[\alpha]_D^{20}$ −41° (c, 0.5 in MeOH).

3-O-(*6-Deoxy-3*-O-*methylglucopyranosyldigitoxiside*): ***Bulloside***.
$C_{36}H_{56}O_{11}$ M 664.832
Isol. from seeds of *Pachycarpus distinctus*. Granules (MeOH/Et_2O). Mp 220-223°. $[\alpha]_D^{24}$ −10.7° (c, 0.68 in $CHCl_3$).

3-O-(*β-D-Glucopyranosyl*(*1→4*)*digitoxoside:* ***Glucoevatromonoside***.
$C_{35}H_{54}O_{12}$ M 666.804
Isol. from *D. lanata* and detected in other *D.* spp. Cryst. (Me_2CO). Mp 263-266°. $[\alpha]_D^{25}$ −0.8° (MeOH).

3-O-(*β-D-Glucopyranosyl-6-deoxy-D-allopyranoside*): ***Digitoxigenins glucosidoallomethyloside***.
$C_{35}H_{54}O_{13}$ M 682.804
Isol. from *D. lanata*, detected in other *D.* spp. No phys. props. reported. Complete struct. not detd.

3-O-(*β-D-Glucopyranosyl*(*1→2*)*fucoside*): ***Neoglucodigifucoside***.
$C_{35}H_{54}O_{13}$ M 682.804
Isol. from leaves of *D. lanata*, also detected in other *D.* spp. Cryst. + $1H_2O$ (EtOAc). Mp 242-245°. $[\alpha]_D^{26}$ −2.7°. Abs. config. of fucose residue not detd.

3-O-(*β-D-Glucopyranosyl*(*1→4*)*-6-deoxy-α-D-glucopyranoside*): ***Digitoxigenin glucosidoglucomethyloside***.
$C_{35}H_{54}O_{13}$ M 682.804
Isol. from leaves of *D. lanata*, also detected chromatographically in several other *D.* spp. Cryst. + $1H_2O$ (EtOAc). Mp 216-223°. $[\alpha]_D$ −7.3°.

3-O-(*β-D-Glucopyranosyl*(*1→2*)*-6-deoxy-3*-O-*methyl-β-D-galactopyranoside*): ***Neoodorobioside* G**.
$C_{36}H_{56}O_{13}$ M 696.831
Isol. from leaves of *D. lanata*, also detected in *D. ferruginea* and *D. grandiflora*. Cryst. (Me_2CO/Et_2O). Mp 272-277°. $[\alpha]_D$ −4.9° (MeOH).

3-O-(*β-D-Glucopyranosyl*(*1→4*)*-β-D-digitoxopyranosyl*(*1→4*)*-β-D-digitoxopyranoside*): ***Digitoxigenin glucosidobisdigitoxoside***.
$C_{41}H_{64}O_{15}$ M 796.948
Isol. from *D. lanata*, also in other *D.* spp. Cryst. + $1H_2O$ (Me_2CO/Et_2O). Mp 187-190°. $[\alpha]_D^{24}$ +6.7° (MeOH).

3-O-(O-*Acetyl-6-deoxy-3*-O-*methyl-α-L-mannopyranoside*): ***Mono-O-acetylsolanoside***.
$C_{32}H_{48}O_9$ M 576.726
Isol. from seeds of *V. solanacea*. Prisms (Me_2CO/Et_2O). Mp 135-141°. $[\alpha]_D^{24}$ −15.1° (c, 1.03 in MeOH). Posn. of Ac gp. not certain.

3-O-(*2,3-Di*-O-*methyl-β-D-glucopyranoside*): ***Asperoside***.
$C_{31}H_{48}O_9$ M 564.715
Isol. from peel of *Streblus asper*. Cryst. (Me_2CO/Et_2O). Mp 198-205°. $[\alpha]_D^{29}$ −19.5° (c, 0.98 in MeOH).

3-O-(O-*Acetyl-6-deoxy-3*-O-*methyl-α-L-allopyranoside*): ***Monoacetyl vallaroside***. O-*Acetylvallaroside*.
$C_{32}H_{48}O_9$ M 576.726
Isol. from *V. solanacea*. Prismatic needles (Me_2CO/pentane). Mp 196-199°. $[\alpha]_D^{27}$ −38.2° (c, 1.0 in MeOH). Posn. of Ac gp. not certain.

3-O-(*6-Deoxy-3*-O-*methyl-α-L-mannopyranoside*): ***Solanoside***.
$C_{30}H_{46}O_8$ M 534.689
Constit. of *V. solanacea*. Needles (Me_2CO/Et_2O). Mp 219-221°. $[\alpha]_D$ −20.7° (c, 0.96 in MeOH).

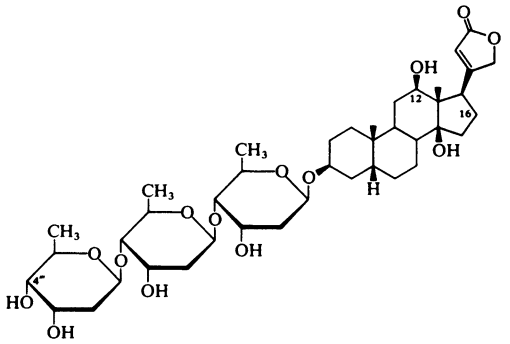
3-O-(*6-Deoxy-D-allopyranoside*): ***Digitoxigenin allomethyloside***.
$C_{29}H_{44}O_8$ M 520.662
Isol. from *D. canariensis*, *D. lanata* and *D. heywoodii*. Cryst. (Me_2CO/Et_2O). Mp 152-156°, Mp 230-235° (double Mp). $[\alpha]_D$ −11.6° (c, 0.7 in MeOH).

3-O-(*6-Deoxy-3*-O-*methyl-α-L-altropyranoside*):

Vallaroside.
$C_{30}H_{46}O_8$ M 534.689
Isol. from seeds of *Vallaris solanacea*. Needles (MeOH/Et_2O). Mp 122-124°. $[\alpha]_D^{24}$ −46.5° (c, 0.91 in MeOH).
Stoll, A., *The Cardiac Glycosides*, 1937 (*rev*)
Helfenberger, H. *et al*, *Helv. Chim. Acta*, 1948, **31**, 1470 (*Neriifolin*)
Reichstein, T. *et al*, *Helv. Chim. Acta*, 1952, **35**, 2202 (*Echubioside*)
Reyle, K. *et al*, *Helv. Chim. Acta*, 1952, **35**, 195 (*Hongkelin*)
Rosselet, J.P. *et al*, *Helv. Chim. Acta*, 1953, **36**, 787 (*Gracilloside*)
Tamm, C. *et al*, *Helv. Chim. Acta*, 1953, **36**, 1309 (*Evomonoside*)
Striebel, P.R. *et al*, *Helv. Chim. Acta*, 1955, **38**, 1001 (*Echujin*)
Okano, A. *et al*, *Chem. Pharm. Bull.*, 1959, **7**, 222 (*Glucodigifucoside*)
Rees, R. *et al*, *Helv. Chim. Acta*, 1961, **44**, 1607 (*Allomethyloside*)
Khare, M.P. *et al*, *Helv. Chim. Acta*, 1962, **45**, 1515, 1534 (*Asperoside*)
Zorbach, W.W. *et al*, *J. Org. Chem.*, 1962, **27**, 1766 (*synth*)
Krasso, A.F. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1691 (*Wallichoside*)
Kaiser, F. *et al*, *Justus Liebigs Ann. Chem.*, 1964, **678**, 137; 1968, **688**, 216 (*Glucoevatranonoside, Glucosidoglucomethyloside, Neoodorobioside G*)
Duncan, G.R. *et al*, *Helv. Chim. Acta*, 1965, **48**, 649 (*Bulloside*)
Kaiser, F., *Experientia*, 1965, **21**, 575 (*Glucosidoallomethyloside, Neoglucodigifucoside*)
Kaiser, F. *et al*, *Naturwisschaften*, 1965, **52**, 108 (*isol*)
Kaufmann, H. *et al*, *Helv. Chim. Acta*, 1965, **48**, 65, 83 (*Vallaroside, Solanoside*)
Leete, E. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 3475 (*biosynth*)
Calcondi, V. *et al*, *Pharmazie*, 1968, **23**, 343 (*Digiproside*)
Voigtlaender, H.W., *Arch. Pharm. (Weinheim, Ger.)*, 1969, **302**, 538 (*Neriifolin*)
Ger. Pat., 1 943 901, (*1971*); *CA*, **75**, 49517m (*synth, pharmacol, Ramnodigin*)
Krasso, A.F. *et al*, *Helv. Chim. Acta*, 1972, **55**, 1352 (*struct*)
Aberhart, D.J. *et al*, *Phytochemistry*, 1973, **12**, 1065 (*biosynth*)
Tori, K. *et al*, *Tetrahedron Lett.*, 1973, 1077 (*cmr*)
Fritsch, W. *et al*, *Justus Liebigs Ann. Chem.*, 1974, 621 (*synth*)
Hartenstein, J. *et al*, *Justus Liebigs Ann. Chem.*, 1975, 1763 (*synth*)
Yoshii, E. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 2496 (*synth*)
Wichtl, M. *et al*, *Oesterr. Apoth.-Ztg.*, 1976, **30**, 275 (*biosynth*)
Kartnig, T. *et al*, *Planta Med.*, 1977, **31**, 221 (*biosynth*)
Tori, K. *et al*, *Tetrahedron Lett.*, 1977, 717 (*Thevetin*)
Donovan, S.F. *et al*, *Tetrahedron Lett.*, 1979, 3287 (*synth*)
Jolad, S.D. *et al*, *J. Org. Chem.*, 1981, **46**, 1946 (*Methylevomoside*)
Milkova, T. *et al*, *Tetrahedron Lett.*, 1982, **23**, 413 (*synth*)
Stache, U. *et al*, *Angew. Chem.*, 1982, **94**, 560 (*synth, Ramnodigin*)
Welzel, P. *et al*, *Justus Liebigs Ann. Chem.*, 1982, 2119 (*synth*)
Jin, H. *et al*, *Can. J. Chem.*, 1983, **61**, 2442 (*synth*)
Wicha, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, 1601 (*synth*)
Merck Index, 9th Ed., 5202 (*Lanatoside A*)

Digoxin, BAN, INN, USAN **D-00275**

Cordioxil. Davoxin. Digacin. Dilanacin. Lanoxin. Numerous proprietary names
[20830-75-5]



$C_{41}H_{64}O_{14}$ M 780.948
Constit. of *Digitalis lanata*. Cardiotonic. Cryst. (EtOH aq.). Mp 265° dec. $[\alpha]_D^{20}$ +13.3° (c, 10 in Py).

▷Highly toxic. IH6125000.

3‴-Ac: [5511-98-8]. ***α-Acetyldigoxin***. *Decardil. Dioxanin. Lanatilin. Sandolanid. Other proprietary names.*
$C_{43}H_{66}O_{15}$ M 822.985
From *D. lanata*. Cardiotonic. Prisms (MeOH/$CHCl_3$). $[\alpha]_D^{20}$ +18.9° (Py). Dec. at 225°.

▷IH6300000.

4‴-Ac: [5355-48-6]. ***β-Acetyldigoxin***. *Agolanid. Kardiamed. Novodigal. Other proprietary names.*
$C_{43}H_{66}O_{15}$ M 822.985
From *D. lanata*. Cardiotonic. Needles (EtOH/$CHCl_3$). $[\alpha]_D^{20}$ +30.4° (c, 1.2 in EtOH). Dec. at 240°.

▷IH6330000.

4‴-Me ether: [30685-43-9]. ***Medigoxin, BAN***. *Metildigoxin, INN, JAN. β-Methyldigoxin. Cardiolan. Digicor. Lanirapid. Lanitop. Metidi. Miopat.*
$C_{42}H_{66}O_{14}$ M 794.975
Cardiotonic. Cryst. Mp 227-231°.

▷FH4920605.

12-Deoxy: [71-63-6]. ***Digitoxin, BAN, INN, USAN***. *Cardidigin. Crystodigin. Digisidin. Purodigin. Unidigin.*
$C_{41}H_{64}O_{13}$ M 764.949
From D. purpurea. Cardiotonic. Mp 256-257°. $[\alpha]_D$ +4.8° (c, 1.2 in dioxan).

▷IH2275000.

12-Deoxy, 3‴-Ac: [1111-39-3]. ***Acetyldigitoxin, INN***. *Acedigal. Acedoxin. Acylanid. Other proprietary names.*
$C_{43}H_{66}O_{14}$ M 806.986
From *D. lanata* and *D. purpurea*. Cardiotonic. Platelets (MeOH). Mp 217-221°. $[\alpha]_D^{20}$ +50.0° (c, 0.7 in Py).

▷IH2450000.

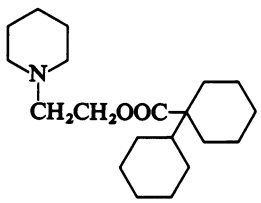
Schaumann, W. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 225, 231 (*Medigoxin*)
Jakovljevic, I.M., *Anal. Profiles Drug Subst.*, 1974, **3**, 149 (*rev, Digitoxin*)
Playle, A.C., *Drugs of Today*, 1976, **12**, 319 (*Medigoxin*)
Perrier, D. *et al*, *Clin. Pharmacokinet.*, 1977, **2**, 292 (*Digitoxin*)
Vine, J. *et al*, *Biomed. Mass Spectrom.*, 1979, **6**, 415 (*ms*)
Aronson, J.K. *et al*, *Clin. Pharmacokinet.*, 1980, **5**, 136 (*rev*)
Foss, P.R.B. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 207 (*rev, synth, anal, props*)
Brown, L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 1779 (*cmr*)
Marks, V. *et al*, *Ther. Drug Monit.*, 1981, 415 (*rev, anal*)

Wisener, K. *et al*, *Helv. Chim. Acta*, 1985, **68**, 300 (*synth*)
Soldin, S.J., *Clin. Chem.*, 1986, **32**, 5 (*rev, pharmacol*)
Woods, K.L., *J. Clin. Hosp. Pharm.*, 1986, **11**, 11 (*rev, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5801, 5802, 5803, 5815, 5820.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8189, 8190, 8232, 8233, 8234.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 107, 1035, 1037.

Dihexyverine, INN D-00276

2-(1-Piperidinyl)ethyl [1,1'-bicyclohexyl]-1-carboxylate, 9CI. 2-Piperidinoethyl [bicyclohexyl]-1-carboxylate, 8CI. Dihexiverine

[561-77-3]



$C_{20}H_{35}NO_2$ M 321.502

Anticholinergic, spasmolytic agent.

B,HCl: [5588-25-0]. *Dihexyverine hydrochloride, USAN. Dispas. Diverine. Metaspas. Olimplex. Seclin. Spasmalex. Spasmodex. Spasmolevel. JL 1078.* Mp 175° (copper block), Mp 200° (capillary).

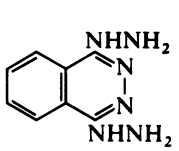
▷DT7361000.

Kopp, M. *et al*, *Bull. Soc. Chim. Fr.*, 1952, 84 (*synth*)
Buchel, L. *et al*, *C. R. Seances Soc. Biol. Ses Fil.*, 1961, **155**, 2127 (*pharmacol*)
Colleter, J.C. *et al*, *Bull. Soc. Pharm. Bordeaux*, 1961, **100**, 87 (*cryst struct*)
Guyonneau, M., *Med. Exptl.*, 1962, **6**, 245 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 363.

Dihydralazine, BAN, INN D-00277

2,3-Dihydro-1,4-phthalazinedione dihydrazone, 9CI. 1,4-Dihydrazinophthalazine, 8CI. Dihydrallazine

[484-23-1]



$C_8H_{10}N_6$ M 190.207

Antihypertensive agent. Orange cryst. (H_2O). Mp 180° (dec.).

▷TH8849900.

B,H_2SO_4: [7327-87-9]. *Nepresol. Other proprietary names.* Needles. Mp 233° dec.

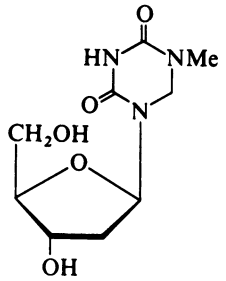
▷TH8880000.

Druey, J. *et al*, *Helv. Chim. Acta*, 1951, **34**, 195 (*synth*)
Reynolds, G.A. *et al*, *J. Org. Chem.*, 1959, **24**, 1205 (*synth*)
Grecu, I. *et al*, *Farmacia*, 1967, **15**, 193 (*ir*)
van Zwieten, P.A., *Arzneim.-Forsch.*, 1968, **18**, 79 (*pharmacol*)
Herrnstadt, C. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1979, 735 (*cryst struct*)
Stadnicka, K. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 770 (*cryst struct*)
Gao, S. *et al*, *CA*, 1984, **100**, 156556 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 925.

5,6-Dihydro-5-azathymidine D-00278

PA 399. U 44590. Antibiotic PA 399. Antibiotic U 44590

[57350-36-4]



$C_9H_{15}N_3O_5$ M 245.235

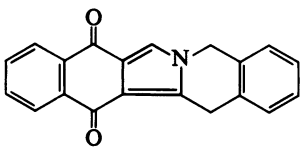
Nucleoside-type antibiotic. Obt. from *Streptomyces platensis* var. *clarensis* and *Micromonospora melanogenes*. Antiviral agent, useful against herpes simplex. Also active against gram-positive and -negative bacteria. Needles. Sol. H_2O. Mp 141-142°. $[\alpha]_D^{23}$ −5° (c, 0.903 in H_2O).

U.S.P., 3 907 643, (*1975*); *CA*, **84**, 15683h (*isol*)
Argoudelis, A.D. *et al*, *J. Antibiot.*, 1976, **29**, 818.
Weirenga, W. *et al*, *J. Org. Chem.*, 1978, **43**, 529 (*cmr*)
Japan. Pat., 78 66 494, (*1978*); *CA*, **89**, 178087 (*isol*)
Skulnick, H.I. *et al*, *J. Carbohydr. Nucleosides, Nucleotides*, 1979, **6**, 263 (*synth*)
Wierenga, W. *et al*, *Carbohydr. Res.*, 1981, **90**, 41 (*synth*)

5,14-Dihydrobenz[5,6]isoindolo[2,1-*b*]-isoquinoline-8,13-dione, 9CI D-00279

***Mitoquidone**, INN, BAN. GR 30921*

[91753-07-0]



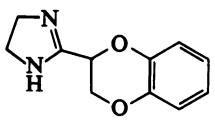
$C_{20}H_{13}NO_2$ M 299.328

Antineoplastic agent. Cryst. ($CHCl_3/CH_2Cl_2$). At least 2 cryst. forms known.

Eur. Pat., 108 620, (*1984*); *CA*, **101**, 110758q (*synth, pharmacol*)

2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-1*H*-imidazole, 9CI D-00280

***Idazoxan**, BAN, INN*



$C_{11}H_{12}N_2O_2$ M 204.228

(±)-***form*** [79944-58-4]

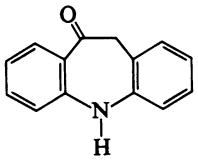
α_2-Adrenergic blocking agent. Mp 207-8°.

B,HCl: [79944-56-2]. *RX 781094.*

Chapleo, C.B. *et al*, *J. Med. Chem.*, 1983, **26**, 823 (*synth, pharmacol*)
Doxey, J.C. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1984, **325**, 136 (*pharmacol*)

5,11-Dihydro-10*H*-dibenz[*b,f*]azepin-10-one, 8CI D-00281

[21737-58-6]



$C_{14}H_{11}NO$ M 209.247
Mp 145°.

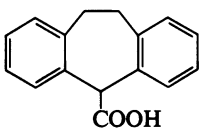
N-*Carbamoyl:* [28721-07-5]. *10,11-Dihydro-10-oxo-5H-dibenz*[b,f]*azepine-5-carboxamide, 8CI.* ***Oxcarbazepine, INN.*** *Oxcarb. GP 47680.*
$C_{15}H_{12}N_2O_2$ M 252.272
Neuroleptic agent. Anticonvulsant. Cryst. (EtOH). Mp 215-216°.

B.P., 943 277, (*1963*); *CA*, **61**, 1815f (*synth*)
Ger. Pat., 2 011 087, (*1970*); *CA*, **73**, 109711r (*deriv, synth, pharmacol*)
Feldmann, K.F. *et al, Adv. Epileptol.*, 1981, **12**, 89 (*metab*)
Theisohn, M. *et al, Eur. J. Clin. Pharmacol.*, 1982, **22**, 545 (*metab*)
Kumps, A., *J. Liq. Chromatogr.*, 1984, **7**, 1235 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19623.

10,11-Dihydro-5*H*-dibenzo[*a,d*]-cycloheptene-5-carboxylic acid, 9CI, 8CI D-00282

Dibenzo[a,d]*cycloheptadiene-5-carboxylic acid*

[5018-91-7]



$C_{16}H_{14}O_2$ M 238.285
Needles (CH_2Cl_2). Mp 237-238°.

Amide: [7199-29-3]. ***Cyheptamide, USAN, INN.*** *AY 8682. BS 7029. ICI 51426.*
$C_{16}H_{15}NO$ M 237.301
Anticonvulsant. Long needles (MeCN). Mp 193-194°.
▷HO7878000.

Chloride:
$C_{16}H_{13}ClO$ M 256.731
Mp 71-72°.

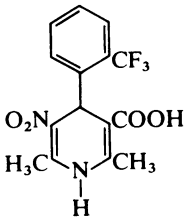
Tropine ester: [602-40-4]. ***Cyheptropine, INN.*** *10,11-Dihydro-5H-dibenzo*[a,d]*cycloheptene-5-carboxylic acid 8-methyl-8-azabicyclo*[*3.2.1*]*oct-3-yl ester. BS 7042.*
$C_{24}H_{27}NO_2$ M 361.483
Antiarrhythmic agent.

Tropine ester; B,HCl: [10123-16-7]. Mp 272-275°.
Tropine ester, maleate: Mp 175-177°.

Davis, M.A. *et al, J. Med. Chem.*, 1963, **6**, 251; 1964, **7**, 88.
Roozemond, R.C. *et al, Biochem. Pharmacol.*, 1965, **14**, 699 (*pharmacol, Cyheptropine*)
van der Stelt, C. *et al, Rec. Trav. Chim.*, 1965, **84**, 1466 (*synth, Cyheptropine*)
Hespe, W. *et al, Int. Conf. Radioactive Isotop. Pharmacol.*, 1967, 187 (*pharmacol, Cyheptropine*)
Funcke, A.B.H. *et al, Arch. Int. Pharmacodyn. Ther.*, 1970, **187**, 174 (*Cyheptamide*)
van Eeken, C.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1970, **188**, 79 (*Cyheptamide*)
Horn, A.S. *et al, Mol. Pharmacol.*, 1971, **7**, 66 (*pharmacol*)
Kraml, M. *et al, Biochem. Pharmacol.*, 1971, **20**, 2327 (*Cyheptamide*)
Wright, B.B. *et al, J. Am. Chem. Soc.*, 1984, **106**, 4175 (*synth*)

1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)phenyl]-3-pyridinecarboxylic acid, 9CI D-00283

[85615-40-3]



$C_{15}H_{13}F_3N_2O_4$ M 342.274

(±)-***form*** [109074-83-1]

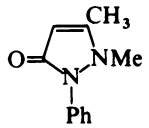
Me ester: [71145-03-4]. *Bay K 8644.* Smooth muscle stimulant. (*R*)-form is a Ca channel antagonist, (*S*)-form is a Ca channel activator.

Ger. Pat., 3 130 041, (*1983*); *CA*, **98**, 198038h (*synth*)
Brown, A.M. *et al, Nature* (*London*), 1984, **311**, 570 (*pharmacol*)
Franckowiak, G. *et al, Eur. J. Pharmacol.*, 1985, **114**, 223 (*pharmacol*)
Langs, D.A. *et al, Mol. Pharmacol.*, 1985, **27**, 544 (*cryst struct*)
Ger. Pat., 3 447 169, (*1986*); *CA*, **105**, 172304e (*synth, esters*)
Wei, X.Y. *et al, J. Pharmacol. Exp. Ther.*, 1986, **239**, 144 (*pharmacol*)
Conte-Camerino, D. *et al, J. Pharm. Pharmacol.*, 1987, **39**, 954 (*pharmacol*)

1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, 9CI D-00284

1,5-Dimethyl-2-phenyl-3-pyrazolone. 2,3-Dimethyl-1-phenyl-5-pyrazolone. Dimethyloxyquinazine. ***Antipyrine, USAN.*** *Phenazone, BAN, INN. Other proprietary names*

[60-80-0]



$C_{11}H_{12}N_2O$ M 188.229
Analgesic, antipyretic; parent substance of a large group of compds. with similar props. Leaflets or scales (Et_2O, C_6H_6 or H_2O). V. sol. H_2O, EtOH, spar. sol. Et_2O. Mp 114°. Bp_{175} 319°. pK_a 1.10 (20°, H_2O). Weak base; aq. soln. neut. to litmus. Component of Auralgan and Larylgan.

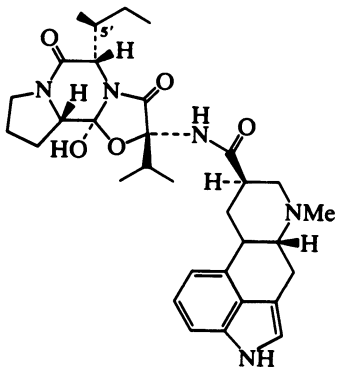
▷Mod. toxic, exp. carcinogen. CD2450000.

Compd. with 2-Acetoxybenzoic acid (1:1): [569-84-6]. *Antipyrine acetylsalicylate. Acetasol. Acetopyrine. Acopyrine.* Antipyretic and antirheumatic. Mp 63-65°.
Compd. with 2-Hydroxybenzoic acid (1:1): [520-07-0]. *Antipyrine salicylate. Salazolon. Saldoren. Salizol. Saliphenazone. Salipyrazolon. Salipyrine.* Antipyretic, analgesic and antineuralgic. Mp 91-92°.
▷VO1740000.
Compd. with 2-Hydroxy-2-methylbutanoic acid (1:1): [5794-16-1]. *Antipyrine methylethylglycolate. Astrolin.* Analgesic. Mp 64-65.5°.
Compd. with α-Hydroxyphenylacetic acid (1:1): [603-64-5]. *Antipyrine mandelate. Antipyrine amygdalate. Tussol.* Antitussive. Mp 52-55°.
Compd. with 2,2,2-Trichloro-1,1-ethanediol (1:2): see 2,2,2-Trichloro-1,1-ethanediol, T-00433
Picrate: Yellow needles. Mp 188°.

Pfeiffer, P., *Hoppe-Seylers Z. Physiol. Chem.*, 1928, **178**, 97 (*deriv*)
Klebanskii, A.L. *et al*, *J. Appl. Chem.*, 1935, **8**, 269; *CA*, **29**, 6891 (*synth*)
U.S.P., 2 005 505, (*1935*); *CA*, **29**, 5130 (*synth*)
Vogel, A.I., *Textbook of Practical Organic Chemistry*, 1957, 3rd Ed., Longman, 998 (*synth*)
Müller, A. *et al*, *Monatsh. Chem.*, 1958, **89**, 23 (*synth*)
Singh, T.P. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 714; 1974, **30**, 557 (*cryst struct*)
Borsub, L. *et al*, *Tetrahedron Lett.*, 1976, 105.
Stevenson, I.H., *Br. J. Clin. Pharmacol.*, 1977, **4**, 261 (*rev*)
Danhof, M. *et al*, *Pharm. Int.*, 1984, **5**, 11 (*rev, metab*)
Goya, P. *et al*, *Magn. Reson. Chem.*, 1986, **24**, 444 (*N-15 nmr*)
Aldrich Library of Infrared Spectra, 2nd Ed., 956C (*ir*)
Aldrich Library of NMR Spectra, **7**, 94C (*pmr*)
Sadtler Standard Ultraviolet Spectra, 1503 (*uv*)
Sadtler Standard C-13 NMR Spectra, 8046 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1911.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2682.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 307.

Dihydroergocryptine D-00285

[25447-66-9]



(5'αR)-form

$C_{32}H_{43}N_5O_5$ M 577.722

[5'α(R)]-form [88660-47-3]
Epicriptine, INN
Prolactin inhibiting alkaloid.
B,MeSO₃H: [14271-05-7].

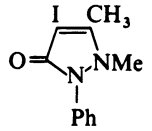
[5'α(S)]-form [19467-62-0]
Dihydro-β-ergocryptine. *Dihydroergocryptine* B
Sympatholytic agent. Rhombic leaves (MeOH or EtOH). Mp 194-195° dec. $[\alpha]_D^{20}$ −31° (c, 1.5 in py).
B,MeSO₃H: [65914-79-6].

Schlientz, W. *et al*, *Experientia*, 1967, **23**, 991 (*sepn, chromatog*)
Schlientz, W. *et al*, *Pharm. Acta Helv.*, 1968, **43**, 497 (*isoln, pharmacol*)
Hung. Pat., 20 965, (*1981*); *CA*, **97**, 127877z (*synth*)
Markstein, R. *et al*, *Eur. J. Pharmacol.*, 1982, **86**, 145; 1983, **93**, 159 (*pharmacol*)
Pat. Coop. Treaty (*WIPO*), 83 02 775, (*1983*); *CA*, **100**, 68581d (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12008.

1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, 9CI D-00286

4-Iodo-2,3-dimethyl-5-oxo-1-phenyl-Δ³-pyrazoline. 4-Iodoantipyrine, 8CI. Iodophenazone. Arthripur. Iodopyrine

[129-81-7]



$C_{11}H_{11}IN_2O$ M 314.125

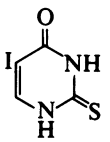
Used as a circulation indicator in lung and muscle tissue, esp. in ^{131}I labelled form. Antipyretic and antineuralgic agent. Needles. Mp 160-161°.

Bougault, J. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1921, **172**, 452 (*synth*)
Romain, P., *Bull. Soc. Pharm. Bordeaux*, 1956, **95**, 75 (*cryst struct*)
Vanaček, R., *CA*, 1965, **62**, 11799 (*synth*)
Leopoldo, J.A. *et al*, *Experientia*, 1966, **22**, 78 (*metab*)
Shiue, C.Y. *et al*, *J. Labelled Compd. Radiopharm.*, 1983, **20**, 1363 (*synth*)
Spacek, M., *Chem. Prum.*, 1984, **34**, 256 (*synth*)

2,3-Dihydro-5-iodo-2-thioxo-4(1*H*)-pyrimidinone, 9CI D-00287

4-Hydroxy-5-iodo-2-mercaptopyrimidine. 5-Iodo-2-thiouracil. ***Iodothiouracil, BAN, INN.*** *Iodacil. Itrumil*

[5984-97-4]



$C_4H_3IN_2OS$ M 254.045

Antithyroid substance. Mp ca. 220°. Dec. at 278-80°. Light sensitive.

▷Exp. neoplastic agent

Na salt: [3565-15-9]. *Iothiouracil sodium.* Cryst. + $1H_2O$. Dec. at 235°.

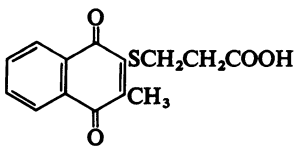
▷YR0600000.

Barrett, H.W., *J. Am. Chem. Soc.*, 1948, **70**, 1753.
Catz, B., *J. Clin. Endocrinol.*, 1951, **11**, 978 (*props*)
Klein, E., *Klin. Wochschr.*, 1952, **30**, 462 (*metab*)
Lanzilotti, A.E. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3666 (*synth*)
Sarcione, E.J. *et al*, *Endocrinology*, 1958, **63**, 142 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 833.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2436.

3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]propanoic acid, 9CI D-00288

Vitamin K-S(*II*)

[2487-39-0]



$C_{14}H_{12}O_4S$ M 276.306

Antihaemorrhagic vitamin. Orange needles (C_6H_6). Mp 161°.

Hanna, C., *J. Am. Chem. Soc.*, 1952, **74**, 2120 (*synth*)
Carter, J.R. *et al*, *J. Clin. Invest.*, 1958, **37**, 70.
Hoak, J.C. *et al*, *Arch. Intern. Med.*, 1961, **107**, 715.
Martius, C., *Blood Clotting Enzymol.*, 1967, 55; *CA*, **67**, 98121 (*rev*)

1,3-Dihydro-1-methyl-2*H*-imidazole-2-thione, 9CI D-00289

1-Methylimidazole-2-thiol, 8CI. 2-Mercapto-1-methylimidazole. ***Methimazole, BAN.*** *Thiamazole, INN. Mercazolyl. Metimazol. Tapazole. Other proprietary names*

[60-56-0]



$C_4H_6N_2S$ M 114.165

Used in treatment of hyperthyroidism. Leaflets (EtOH). Mp 146-148°. Bp 280° dec.

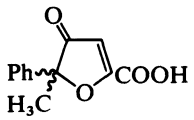
▷NI8615000.

Wohl, A. *et al*, *Ber.*, 1889, **22**, 1354 (*synth*)
Jones, R.G. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 4000 (*synth*)
Bowie, J.H. *et al*, *Aust. J. Chem.*, 1967, **20**, 1613 (*ms*)
Langer, P., *Endocrinology*, 1968, **83**, 1268 (*pharmacol*)
Aboul-Enein, H.Y. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 351 (*rev*)
Skellern, G.G. *et al*, *Xenobiotica*, 1981, **11**, 627 (*metab*)
Anjaneyulu, B. *et al*, *J. Labelled Compd. Radiopharm.*, 1983, **20**, 951 (*synth*)
Raper, E.S. *et al*, *Acta Crystallogr., Sect. B*, 1983, **39**, 355 (*cryst struct*)
Cooper, D.S. *et al*, *Endocrinology*, 1984, **114**, 786 (*pharmacol*)
Balestrero, R.S. *et al*, *Magn. Reson. Chem.*, 1986, **24**, 651 (*N-15 nmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 180 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 835.

4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, 9CI D-00290

Acifran, INN, USAN. *AY 25712*

[72420-38-3]



$C_{12}H_{10}O_4$ M 218.209

(+)-*form* [77103-91-4]

Cryst. (Et_2O). Mp 87-89°. $[\alpha]_D^{25}$ +146.4° (c, 2 in MeOH).

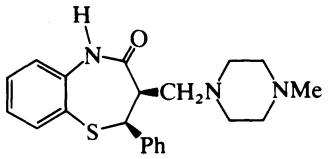
(±)-*form* [82720-24-9]

Antilipidaemic agent. Mp 176°.

Cayen, M.N. *et al*, *Atherosclerosis* (*Shannon, Irel.*), 1982, **45**, 267, 281 (*pharmacol*)
Jirkovsky, I. *et al*, *J. Med. Chem.*, 1982, **25**, 1154 (*synth, pharmacol, resoln*)
Gonzalez, R. *et al*, *Clin. Biochem.* (*Ottawa*), 1983, **16**, 244 (*hplc*)
Cayen, M.N. *et al*, *Xenobiotica*, 1986, **16**, 251 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18714.

2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5-benzothiazepin-4(5*H*)one D-00291

[72293-38-0]



cis-form

$C_{21}H_{25}N_3OS$ M 367.508

Antiulcer agent showing parasympatholytic action. Mp 198°. Other stereoisomers known.

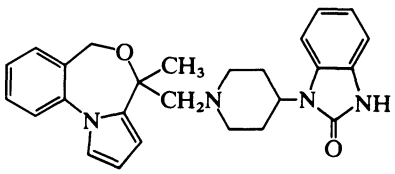
cis-form

B,HCl: [87687-13-6]. *BTM 1086.*
B,2HCl: [72293-40-4]. *BTM 1042.* Mp 212° (dec.).

Hillier, K., *Drugs Future*, 1981, **6**, 534 (*rev*)
Ohno, S. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 1780 (*synth*)
Yamamoto, H. *et al*, *Jpn. J. Pharmacol.*, 1986, **41**, 283 (*pharmacol*)
Yamamoto, H. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3419 (*bibl*)

1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*][4,1]benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, 9CI D-00292

[109826-26-8]



$C_{26}H_{28}N_4O_2$ M 428.533

(±)-*form*

Calmodulin inhibitor showing *in vivo* antidiarrhoeal activity. Monohydrate. Mp 173-175°.

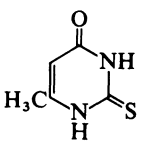
Maleate salt: [109826-27-9]. *CGS 9343*B. Mp 189-190°.

Norman, J.A. *et al*, *Mol. Pharm.*, 1987, **31**, 535 (*pharmacol*)
Boyer, S. *et al*, *J. Heterocycl. Chem.*, 1988, **25**, 1003 (*synth, ir, pmr*)

2,3-Dihydro-6-methyl-2-thioxo-4(1*H*)-pyrimidinone, 9CI D-00293

6-Methyl-2-thiouracil, 8CI. ***Methylthiouracil, INN.*** *Muracin. Prostrumyl. Strumacil. Thimecil. Thiothymin. Thyreostat. Numerous tradenames*

[56-04-2]



$C_5H_6N_2OS$ M 142.175

Thyroid inhibitor. Mp 326-331°. Subl. readily.

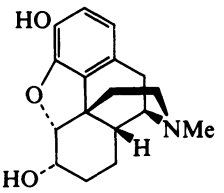
▷YR0875000.

List, G., *Justus Liebigs Ann. Chem.*, 1886, **236**, 1 (*synth*)
Galimberti, P. *et al*, *Ann. Chim.* (*Paris*), 1958, **48**, 457 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 281 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 836.

Dihydromorphine D-00294

4,5α-Epoxy-17-methylmorphinan-3,6α-diol, 9CI

[509-60-4]



(−)-*form*
Absolute configuration

$C_{17}H_{21}NO_3$ M 287.358

▷QC8945000.

(+)-***form***

Obt. from sinomenine. Mp 159°. $[\alpha]_D$ +151.5° (c, 0.02 in EtOH).

(−)-***form***

Obt. from morphine. Analgesic. Mp 159°. $[\alpha]_D^{30}$ −149.7° (c, 0.02 in EtOH).

B,HCl: [1421-28-9]. *Paramorphan. Paramorfan.* $[\alpha]_D^{25}$ −112° (c, 1.6 in H_2O). Addictive. No longer in clinical use.

▷QD4200000.

3-O-Me: [125-28-0]. ***Dihydrocodeine, INN.*** *Other proprietary names.*

$C_{18}H_{23}NO_3$ M 301.385

Analgesic and antitussive. Mp 55°. $[\alpha]_D^{30}$ −146.7° (c, 0.02 in EtOH).

▷QD1680000.

3-O-Me, tartrate (1:1): [5965-13-9]. Cryst. (MeOH). Mp 192-193°, Mp 186-190° (coml. prod.). $[\alpha]_D^{25}$ −72° to −75° (c, 1 in H_2O).

▷QD1729000.

(±)-***form***

Mp 154°.

B,HI: Cryst. (EtOH). Mp 261°.

3-O-Me: (±)-*Dihydrocodeine.*

$C_{18}H_{23}NO_3$ M 301.385

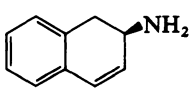
Prisms. Mp 105°.

Goto, K. *et al, Justus Liebigs Ann. Chem.*, 1941, **547**, 194 (*synth*)
Small, L., *J. Org. Chem.*, 1947, **12**, 359 (*synth*)
Keats, A.S. *et al, J. Pharmacol. Exp. Ther.*, 1957, **120**, 354 (*pharmacol, deriv*)
Weiss, B., *Am. J. Pharm.*, 1959, **131**, 286 (*rev, deriv*)
Kosterlitz, H.W. *et al, Nature (London)*, 1964, **201**, 719 (*metab*)
Audier, H. *et al, Tetrahedron Lett.*, 1965, 13 (*ms*)
Hug, C.C. *et al, J. Pharmacol. Exp. Ther.*, 1965, **149**, 446 (*metab*)
Weiss, U. *et al, Bull. Soc. Chim. Fr.*, 1965, **12**, 3707 (*cd*)
Carroll, F.I. *et al, J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Crone, T.A. *et al, Anal. Chem.*, 1981, **53**, 17 (*cd*)
Rowell, F.J. *et al, Eur. J. Clin. Pharmacol.*, 1983, **25**, 419 (*deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4907 (*synonyms*)

1,2-Dihydro-2-naphthylamine D-00295

1,2-Dihydro-2-naphthalenamine, 9CI. 2-Amino-1,2-dihydronaphthalene

[79605-60-0]



(*R*)-*form*

$C_{10}H_{11}N$ M 145.204

Potent conformationally restricted amphetamine analogue.

(***R***)-***form***

B,HCl: Mp 218-220°. $[\alpha]_D$ +194.1° (c, 0.71 in H_2O).

(*S*)-*form*

More potent enantiomer.

B,HCl: Mp 218-220°. $[\alpha]_D$ −191° (c, 0.92 in H_2O).

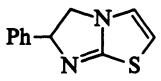
(±)-***form***

B,HCl: Mp 209°.

Hathaway, B.A. *et al, J. Med. Chem.*, 1982, **25**, 535 (*synth, resoln, abs config*)

5,6-Dihydro-6-phenylimidazo[2,1-*b*]-thiazole, 8CI D-00296

Antafenite, INN. *R-8193*



$C_{11}H_{10}N_2S$ M 202.273

(±)-***form*** [15301-45-8]

Anthelmintic.

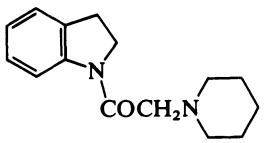
B,HCl: [6691-97-0]. Mp 175-177°.

Raeymaekers, A.H.M. *et al, J. Med. Chem.*, 1966, **9**, 545 (*synth, pharmacol*)

2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole, 9CI D-00297

Indocaine. Indokain. IN 24

[56533-61-0]



$C_{15}H_{20}N_2O$ M 244.336

Local anaesthetic. Cryst. (hexane). Mp 124-125°.

B,HCl: [59836-70-3]. Mp 274-275°.

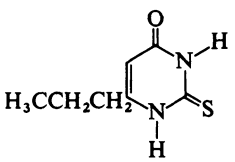
▷NM2025000.

Kommissarov, I.V. *et al, Farmakol. Toksikol. (Moscow)*, 1976, 286 (*pharmacol*)
Sheinkman, A.K. *et al, Khim.-Farm. Zh.*, 1977, **11**, 59 (*synth, pharmacol*)

2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, 9CI D-00298

6-Propyl-2-thiouracil, 8CI. ***Propylthiouracil, INN.*** *Propacil. Procasil. Thyneostat II. Numerous proprietary names*

[51-52-5]



$C_7H_{10}N_2OS$ M 170.229

Thyroid inhibitor. Bitter-tasting cryst. Mp 218-219°.

▷YR1400000.

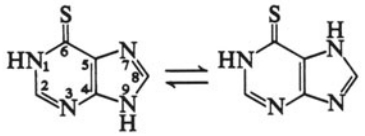
Anderson, G.W. *et al, J. Am. Chem. Soc.*, 1945, **67**, 2197 (*synth, pharmacol*)
Alexander, W.D. *et al, Br. Med. J.*, 1969, **2**, 290 (*metab*)
Aboul-Enein, H.Y., *Anal. Profiles Drug Subst.*, 1977, **6**, 457 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 725 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 838.

1,7-Dihydro-6*H*-purine-6-thione, 9CI D-00299

*6-Purinethiol. **Mercaptopurine**, BAN, USAN, INN. Purinethol. NSC 755. Other proprietary names. Leukerin*

[50-44-2]



1,9-Dihydro-*form* 1,7-Dihydro-*form*

$C_5H_4N_4S$ M 152.173

1,7-Dihydro-form predominant as cryst.; 1,9-dihydro-form predominant in soln.; 3,X-dihydro- and thiol forms minor tautomers. Antineoplastic (for acute leukaemia). Yellow prisms + $1H_2O$ (H_2O). Mp 313-314° dec. (loses H_2O at 140°).

▷Exp. teratogen. UO9800000.

1,7-Dihydro-form

1-Me: [1006-22-0].
$C_6H_6N_4S$ M 166.200
Cryst. (H_2O). Mp >300°.

7-Me: [3324-79-6].
$C_6H_6N_4S$ M 166.200
Light-brown cryst. (H_2O). Mp 306-308°.

1,9-Dihydro-form [111079-50-6]

9-Me: [1006-20-8].
$C_6H_6N_4S$ M 166.200
Cryst. (H_2O). Mp 338-342°.

1,9-Di-Me: [5759-62-6].
$C_7H_8N_4S$ M 180.227
Yellow needles (AcOH). Mp 250°.

3,7-Dihydro-form

3-Me: [1006-12-8].
$C_6H_6N_4S$ M 166.200
Yellow prisms (H_2O). Mp >300° dec.

3,7-Di-Me: [5759-60-4].
$C_7H_8N_4S$ M 180.227
Yellow needles (H_2O). Mp 282-283°.

3,9-Dihydro-form

3,9-Di-Me:
$C_7H_8N_4S$ M 180.227
Yellow needles ($AcOH/C_6H_6$). Mp 276-278°.

6-Thiol-form

6-Mercaptopurine. 6-Purinethiol

S-*Me:* [50-66-8].
$C_6H_6N_4S$ M 166.200
Cryst. (H_2O). Mp 220° dec.
▷UO8976000.

S,3N-*Di-Me:* [1008-08-8].
$C_7H_8N_4S$ M 180.227
Cryst. (H_2O). Mp 220° dec.

S,7N-*Di-Me:* [1008-01-1].
$C_7H_8N_4S$ M 180.227
Needles (H_2O). Mp 212-213°.

S,9N-*Di-Me:* [1127-75-9].
$C_7H_8N_4S$ M 180.227
Needles (MeOH). Mp 171-172°.

9-β-D-Ribofuranosyl: see 6-Thioinosine, T-00204

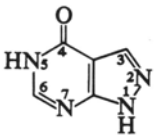
▷*UO8985000.*

Elion, G.B. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 411; 1959, **81**, 3042 (*synth, metab*)
Johnson, J.A. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3863 (*derivs*)
Fox, J.J. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1669 (*derivs*)
Beaman, A.G. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 4042 (*synth*)
Bergmann, F. *et al*, *J. Org. Chem.*, 1961, **26**, 1504.
Townsend, L.B. *et al*, *J. Org. Chem.*, 1962, **27**, 990.
Sletten, E. *et al*, *Acta Crystallogr.*, 1969, **325**, 1330 (*cryst struct*)
Lichtenberg, D. *et al*, *Isr. J. Chem.*, 1972, **10**, 805 (*nmr, uv, tautom*)
Purnell, L.G. *et al*, *Org. Magn. Reson.*, 1977, **10**, 1 (*cmr*)
Benezra, S.A. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 343 (*rev*)
Foye, W.O. *et al*, *Phosphorus Sulfur*, 1980, **8**, 205 (*synth*)
Elion, G.B., *Toxicol. Ind. Health*, 1986, **2**, 1 (*rev*)
Nair, V. *et al*, *Synthesis*, 1986, 450 (*derivs, synth, bibl*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 266 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1844.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 947.

1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, 9CI D-00300

*4-Hydroxypyrazolo[3,4-d]pyrimidine. **Allopurinol**, BAN, INN. NSC 1390. Numerous proprietary names*

[315-30-0]



$C_5H_4N_4O$ M 136.113

Used in treatment of gout and related diseases. Xanthine oxidase inhibitor. Cryst. (H_2O). Mp 383-384°.

▷UR0785000.

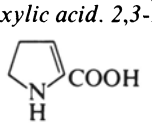
1-Me:
$C_6H_6N_4O$ M 150.140
Needles (H_2O). Mp >300°.

1,5-Di-Me:
$C_7H_8N_4O$ M 164.166
Needles (MeOH). Mp 193-195°.

Robins, R.K., *J. Am. Chem. Soc.*, 1956, **78**, 784 (*synth*)
Thang, K.V. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1969, **268**, 525 (*synth, ir*)
Hildick, B.G. *et al*, *J. Chem. Soc.* (*C*), 1971, 1610 (*synth*)
Prusiner, P. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2148 (*cryst struct*)
Benezra, S.A. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 1 (*rev*)
Tisler, M. *et al*, *Heterocycles*, 1982, **17**, 405 (*synth*)
Wang, Y. *et al*, *CA*, 1983, **99**, 105210 (*synth*)
Marr, J.J., *Adv. Exp. Med. Biol.*, 1985, **165A**, 231 (*rev, metab*)
Rundles, R.W., *Arch. Intern. Med.*, 1985, **145**, 1492 (*rev, pharmacol, use*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 262 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1004.

4,5-Dihydro-1*H*-pyrrole-2-carboxylic acid D-00301

2-Pyrroline-2-carboxylic acid. 2,3-Dehydroproline



$C_5H_7NO_2$ M 113.116

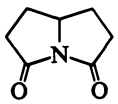
Delpierie, G.R. *et al*, *J. Chem. Soc.* (*C*), 1966, 1653.

Dihydro-1*H*-pyrrolizine-3,5(2*H*,6*H*)-dione, D-00302

9CI

2,5-Pyrrolizidinedione. 3,4-Dioxopyrrolizidine. ***Rolziracetam,*** *BAN, INN. PD 105587. CI 911. Lukes-Šorm dilactam*

[18356-28-0]



$C_7H_9NO_2$ M 139.154

Note various numbering systems used for pyrrolizines.

(±)-*form*

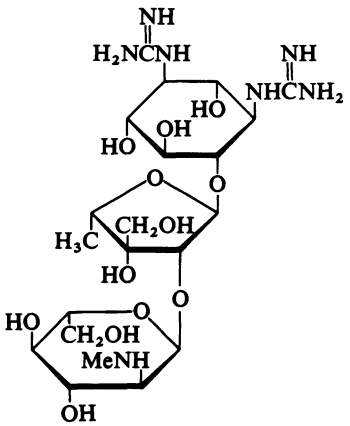
Shows amnesia-reversing props. in memory-impaired and demented patients. Cryst. by subl., needles (EtOH). Mp 181°.

Lukes, R. *et al*, *Collect. Czech. Chem. Commun.*, 1947, **12**, 278 (*synth*)
Micheel, F. *et al*, *Chem. Ber.*, 1955, **88**, 509; 1956, **89**, 129 (*synth*)
Butler, D.E. *et al*, *J. Med. Chem.*, 1987, **30**, 498 (*synth, pharmacol, bibl*)
Alonso, R. *et al*, *Synth. Commun.*, 1988, **18**, 37 (*synth, pmr*)

Dihydrostreptomycin, INN D-00303

Abiocine. Vibriomycin. DST. M43-05026. Numerous proprietary names

[128-46-1]



$C_{21}H_{41}N_7O_{12}$ M 583.595

Aminoglycoside antibiotic. Isol. from *Streptomyces humidus* and obt. by redn. of streptomycin. Broad-spectrum antibacterial agent.

▷WK2450000.

B,3HCl: [6533-54-6]. Cryst. (MeOH). Mp 190-195° dec. $[\alpha]_D^{25}$ −95°.

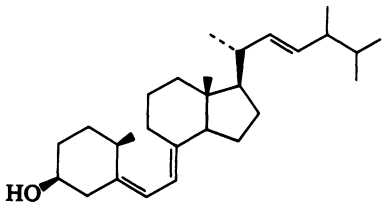
B,1½H₂SO₄: [5490-27-7]. *Dihydrostreptomycin sulfate, USAN. Sol-Mycin. Streptomagma. Didromycine.* Cryst. (MeOH aq.). $[\alpha]_D^{17}$ −85° (c, 0.1 in H_2O). Dec. at 255-265°. Component of Diathal and Azimycin.

Peck, R.L. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1390 (*synth*)
Bartz, Q.R. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 2163 (*synth*)
Tatsuoka, S. *et al*, *Chem. Pharm. Bull.*, 1957, **5**, 343 (*isol*)
Schlessinger, D. *et al*, *Antibiotics* (*N.Y.*), 1975, **3**, 535 (*rev*)
Umezawa, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 568 (*synth, pmr*)
Yamasaki, T. *et al*, *J. Antibiot.*, 1978, **31**, 1233 (*synth, pmr*)
Umezawa, S. *et al*, *Jpn. J. Antibiot.*, 1979, **32** (*Suppl.*), S60 (*synth, rev*)
Wallace, B.J. *et al*, *Antibiotics* (*N.Y.*), 1979, **5**, 272 (*pharmacol, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6412.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 71.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2121.

Dihydrotachysterol, INN, BAN D-00304

9,10-Secoergosta-5,7,22-trien-3-ol, 9CI. Antitetanin. Hytakerol. Tachyrol. Other proprietary names

[67-96-9]



$C_{28}H_{46}O$ M 398.671

Blood calcium regulator. Cryst. (MeOH). Mp 125-127°. $[\alpha]_D^{22}$ +97.5° ($CHCl_3$).

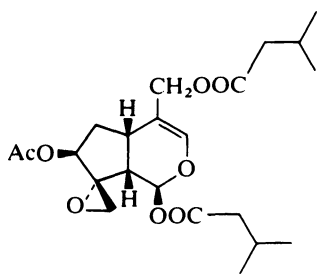
▷WW0600000.

Windaus, A. *et al*, *Justus Liebigs Ann. Chem.*, 1932, **499**, 198 (*synth*)
Berman, E. *et al*, *J. Org. Chem.*, 1977, **42**, 3225 (*pmr, cmr*)
Mourino, A. *et al*, *J. Org. Chem.*, 1978, **43**, 1653 (*synth, bibl*)
Reeve, J., *Br. Med. J.*, 1979, **2**, 888 (*rev, pharmacol*)
Duraisamy, M. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 3270 (*cd*)
Bosch, R. *et al*, *J. Steroid Biochem.*, 1985, **23**, 223 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7732.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7891.

Dihydrovaltrate D-00305

Didrovaltrate, INN. *Didrovaltratum. Dihydrovalepotriate*

[18296-45-2]



$C_{22}H_{32}O_8$ M 424.490

Minor constit. of *Valeriana* sp. Sedative. Mp 65-66°. $[\alpha]_D^{21}$ −80.8° (MeOH).

Thies, P.W. *et al*, *Tetrahedron*, 1968, **24**, 313; 1973, **29**, 3213 (*config, pmr, ir*)
Laufer, J.L. *et al*, *Pharm. Weekbl.*, 1970, **105**, 609 (*isol*)
Wagner, H. *et al*, *Planta Med.*, 1980, **38**, 366 (*metab*)
Hazelhoff, B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1982, **257**, 274 (*pharmacol*)
Bounthanh, C. *et al*, *Planta Med.*, 1983, **49**, 138 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14008.

Dihydroxyaluminum sodium carbonate D-00307

[Carbonato(2−)-O,O′]dihydroxyaluminate(1−) sodium. ***Carbaldrate, INN.*** *Dawsonite. Kompensan. Minicid. Noacid*

[41342-54-5]

$(HO)_2AlNaCO_3$

CH_2AlNaO_5 M 143.995

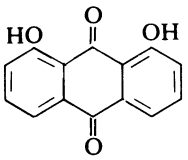
Antacid. Amorph. powder + xH_2O.

Grote, I.W. *et al*, *J. Am. Pharm. Assoc.*, 1955, **44**, 219 (*synth, props*)
Krantz, J.C., *Kirk-Othmer Encycl. Chem. Technol., 2nd Ed.*, 1963, **2**, 427 (*rev*)
Guccione, E., *Chem. Eng.*, 1965, **72**, 168 (*synth, props*)
Serna, C.J. *et al*, *J. Pharm. Sci.*, 1978, **67**, 324 (*cryst struct*)
Pakula, R. *et al*, *Sci. Pharm.*, 1979, **47**, 181 (*synth, ir*)
Keenan, F.J., *Diss. Abstr. Int. B*, 1982, **42**, 3255 (*synth, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 689.

1,8-Dihydroxyanthraquinone, 8CI D-00308

1,8-Dihydroxy-9,10-anthracenedione, 9CI. Chrysazin. ***Danthron, BAN.*** *Dorbane. Istizin. Danivac. Dantron, INN. Other proprietary names*

[117-10-2]



$C_{14}H_8O_4$ M 240.215

Occurs in roots of *Rheum palmatum*, leaves and stems of *Xyris semifuscata*, tissue culture of *Cinchona ledgeriana* and leaves of *Pyrrhalta luteola*. Cathartic. Reddish-yellow needles or leaflets. Mp 193°. pK_{a1} 13.06, pK_{a2} 15.15.

▷CB6650000.

Di-Ac: [1963-82-2].
$C_{18}H_{12}O_6$ M 324.289
Yellow needles. Mp 231-232°.

▷CB6690000.

Me ether: [5539-66-2]. *1-Hydroxy-8-methoxyanthraquinone.*
$C_{15}H_{10}O_4$ M 254.242
Orange-red needles (EtOH). Mp 197-198°.

Di-Me ether: [6407-55-2]. *1,8-Dimethoxyanthraquinone.*
$C_{16}H_{12}O_4$ M 268.268
Yellow cryst. Mp 219°.

Naylor, C.A. *et al*, *J. Am. Chem. Soc.*, 1931, **53**, 4112.
Aoyama, S. *et al*, *J. Pharm. Soc. Jpn.*, 1932, **52**, 17.
Lish, P.M. *et al*, *J. Am. Pharm. Assoc.*, 1958, **47**, 371 (*pharmacol*)
Benyon, J.H. *et al*, *Appl. Spectrosc.*, 1960, **14**, 156 (*ms*)
Kido, H. *et al*, *Anal. Chim. Acta*, 1960, **23**, 116 (*ir*)
Prakesh, A., *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1965, **122**, 272 (*cryst struct*)
Fairbairn, J.W. *et al*, *J. Pharm. Pharmacol.*, 1970, **22**, 584 (*pharmacol*)
Idris, K.A. *et al*, *Egypt. J. Chem.*, 1973, 67 (*uv*)
Morley, J.O. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 1626 (*pmr*)
Fournier, G. *et al*, *Phytochemistry*, 1975, **14**, 2099 (*isol*)
Breimer, D.D. *et al*, *Pharmacology*, 1976, **14**, 30 (*metab*)
Berger, Y. *et al*, *Org. Magn. Reson.*, 1978, **11**, 375 (*cmr*)
Case, M.T. *et al*, *Drug. Chem. Toxicol.*, 1978, **1**, 89 (*tox*)
Cameron, A.W. *et al*, *Aust. J. Chem.*, 1982, **35**, 2095 (*synth*)
Howard, D.F. *et al*, *Naturwissenschaften*, 1982, **69**, 91 (*isol*)
Mueller, K. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 120 (*synth*)
Khanapure, S.P. *et al*, *J. Org. Chem.*, 1987, **52**, 5685 (*deriv, synth, pmr, ir*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2970 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7510.

4,5-Dihydroxyanthraquinone-2-carboxylic acid D-00309

9,10-Dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracenecarboxylic acid, 9CI. 1,8-Dihydroxyanthraquinone-3-carboxylic acid. ***Rhein.*** *Chrysazin-3-carboxylic acid. Cassic acid. Monorhein*

[478-43-3]

$C_{15}H_8O_6$ M 284.225

Obt. from various *Cassia* spp. such as senna and rhubarb (*Rheum palmatum*). Also isol. from *Scrophularia nodosa*. Used in treatment of arthritis. Yellow needles (MeOH). Mp 321° (310°).

Di-Ac: [13739-02-1]. ***Diacerein, INN.*** *Artrodar. Fisiodar. SF 277.*
$C_{19}H_{12}O_8$ M 368.299
Nonsteroidal antiinflammatory agent. Yellow plates (AcOH). Mp 217-218°, 258°.

▷CB8781000.

Di-Ac, Me ester: [13739-04-3]. Prisms (C_6H_6). Mp 194-195°.

8-O-β-D-Glucoside:
$C_{21}H_{18}O_{11}$ M 446.367
From *C. acutifolia*, also from *R. palmatum*. Mp 260-266°.

4-O-β-D-Glucopyranoside:
$C_{21}H_{18}O_{11}$ M 446.367
Isol. from leaves of *C. acutifolia*. Orange cryst. (MeOH aq.) (synthetic). Mp 170° dec.

Hauptmann, H. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1492.
Romanova, A.S. *et al*, *Khim. Prir. Soedin.*, 1966, **2**, 143 (*isol, Glucosides*)
Nawa, H. *et al*, *J. Org. Chem.*, 1961, **26**, 979 (*struct*)
Murty, V.K. *et al*, *Tetrahedron*, 1967, **23**, 515 (*synth, deriv*)
Romonova, A.S. *et al*, *CA*, 1969, **70**, 9366 (*isol*)
Ger. Pat., 2 711 493, (*1977*); *CA*, **88**, 37504k (*synth*)
Hauser, F.M. *et al*, *J. Org. Chem.*, 1982, **47**, 383 (*synth*)
Zope, U.R. *et al*, *Chem. Ind. (London)*, 1988, 124 (*Diacerein, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1729.

1,8-Dihydroxyanthrone D-00310

1,8-Dihydroxy-9(10H)-anthracenone. ***Dithranol, BAN, INN.*** *Anthralin. Chrysanthranol. Cignolin. Numerous proprietary names*

[1143-38-0]

$C_{14}H_{10}O_3$ M 226.231

Tautomeric. Has been used in treatment of dermatitis, psoriasis and other skin complaints. Yellow plates or needles (ligroin). Mp 178-180°.

▷Mod. toxic. An exp. carcinogen

1-Ac: [2891-34-1].
$C_{16}H_{12}O_4$ M 268.268
Mp 159°.

Di-Ac: [38165-75-2].
$C_{18}H_{14}O_5$ M 310.306
Mp 210-212°.

1-Me ether: 1-Hydroxy-8-methoxyanthrone.
$C_{15}H_{12}O_3$ M 240.258

Yellow needles. Mp 183.5°.

Di-Me ether: 1,8-Dimethoxyanthrone. Yellow needles (AcOH). Mp 196-197°.

Triol-form [480-22-8]

1,8,9-Anthracenetriol, 9CI. 1,8,9-Trihydroxyanthracene. 1,8,9-Anthratriol

▷CB1225000.

Tri-Ac: [16203-97-7]. *Triacetoxyanthracene. Exolen. Psoralex.*

$C_{20}H_{16}O_6$ M 352.343

Used in treatment of psoriasis. Yellow needles. Mp 209-210°.

▷CB1410000.

Schrobsdorf, H., *Ber.*, 1902, **35**, 2930.
Hirosé, Y., *Ber.*, 1912, **45**, 2474.
Zahn, K. *et al*, *Ber.*, 1938, **71**, 172 (*synth*)
Barnes, R.A. *et al*, *Chem. Ind. (London)*, 1956, 873 (*uv*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Hafer, P. *et al*, *Pharm. Acta Helv.*, 1974, **49**, 35 (*triacetate*)
Ahmed, F.R., *Acta Crystallogr., Sect. B*, 1980, **36**, 3184 (*cryst struct*)
Avdovich, H.M. *et al*, *Can. J. Spectrosc.*, 1980, **25**, 110 (*struct*)
Ippen, H. *et al*, *Br. J. Dermatol.*, 1981, **105**, 28, 72 (*revs*)
Schaefer, H. *et al*, *Psoriasis, Proc. Int. Symp. 3rd*, 1981, 111 (*rev*)
Farber, E.M. *et al*, *Acta Derm.-Venereol. Suppl.*, 1984, **112**, 11 (*rev*)
Mueller, K. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 120 (*synth, C-14*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2996 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1606.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 382.

3,4-Dihydroxybenzaldehyde D-00311

Protocatechualdehyde, 8CI. Protocatechuic aldehyde. Rancinamycin IV

[139-85-5]

$C_7H_6O_3$ M 138.123

Cryst. (toluene). Mp 153-154°.

▷UL0380000.

Oxime: [3343-59-7].

$C_7H_7NO_3$ M 153.137

Mp 157° dec.

Di-Ac: [67727-64-4].

$C_{11}H_{10}O_5$ M 222.197

Cryst. (EtOH). Mp 54°.

3-Me ether: [121-33-5]. *4-Hydroxy-3-methoxybenzaldehyde.* ***Vanillin, USAN.*** *Zimco.*

$C_8H_8O_3$ M 152.149

Constit. of vanilla (*Vanilla* spp.) and many other plants, obt. from spent wood-pulp liquors. Used in flavours and perfumes. Needles or tetragonal cryst. with characteristic pleasant odour (H_2O). Spar. sol. cold H_2O, mod. sol. hot. Mp 81-82°, 77-79° (dimorph.). Bp_{15} 170°. Slowly oxid. in air.

▷YW5775000.

3-Me ether, Ac:

$C_{10}H_{10}O_4$ M 194.187

Flavouring material. Needles (Et_2O). Mp 102-103°.

3-Me ether, oxime:

$C_8H_9NO_3$ M 167.164

Plates or needles (H_2O). Mp 121-122°.

3-Me ether, 2,4-dinitrophenylhydrazone: Orange-red microprisms (AcOH). Mp 267-268°.

4-Me ether: 3-Hydroxy-4-methoxybenzaldehyde. 3-Hydroxyanisaldehyde. Isovanillin.

$C_8H_8O_3$ M 152.149

Cryst. (H_2O). Mp 116-117°. Bp_{15} 179°.

4-Me ether, oxime:

$C_8H_9NO_3$ M 167.164

Mp 146.5°.

4-Me ether, Ac:

$C_{10}H_{10}O_4$ M 194.187

Mp 64°, 88.9°.

4-Me ether, 2,4-dinitrophenylhydrazone: Red needles (MeOH). Mp 277-277.5°.

4-Me ether, 3-β-D-glucosyl: Glucovanillin. Avenein.

$C_{14}H_{18}O_8$ M 314.291

Needles + $2H_2O$ (EtOH aq.). Mod. sol. H_2O. Mp 192°. $[\alpha]_D^{20}$ −88.03° (H_2O).

3-Et ether: [121-32-4]. *3-Ethoxy-4-hydroxybenzaldehyde. Vanillal. Bourbonal.* ***Ethyl vanillin, USAN.*** *Aethylvanillin. Homovanillin. Vanirom.*

$C_9H_{10}O_3$ M 166.176

Used extensively in perfumery and flavour industries, hydrazone derivs. as tuberculostatics. Cryst. (EtOH). Mp 76-78°.

▷CU6125000.

Dibenzyl ether: 3,4-Dibenzyloxybenzaldehyde.

$C_{21}H_{18}O_3$ M 318.371

Cryst. (EtOH). Mp 90-92°.

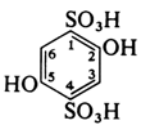
Org. Synth., 1938, **18**, 75 (*synth*)
Weijlard, J., *J. Am. Chem. Soc.*, 1947, **69**, 2070 (*synth, deriv*)
Naito, M. *et al*, *Yakugaku Zasshi*, 1957, **77**, 1251; *CA*, **52**, 4015i (*pharmacol*)
Kratzl, K. *et al*, *Monatsh. Chem.*, 1960, **91**, 219 (*synth, deriv*)
Pichat, L. *et al*, *Bull. Soc. Chim. Fr.*, 1961, 2255 (*synth*)
de Ropp, R.S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **181**, 127 (*pharmacol*)
Froment, P., *Chromatographia*, 1971, **4**, 173 (*tlc*)
Santavy, F. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 1825 (*uv*)
Iwasaki, F., *Chem. Lett.*, 1973, 277 (*cryst struct, deriv*)
de Kowalewski, D.G. *et al*, *J. Mol. Struct.*, 1973, **16**, 451 (*nmr*)
Slabbert, N.P., *Tetrahedron*, 1977, **37**, 821.
Ger. Pat., 2 804 063, (*1978*); *CA*, **90**, 22595 (*synth*)
Maggioni, P. *et al*, *Chim. Ind. (Milan)*, 1979, **61**, 101 (*synth*)
Ramage, R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 1539 (*deriv*)
Gannett, P.M. *et al*, *J. Org. Chem.*, 1988, **53**, 1064 (*deriv, synth, ir, pmr, cmr, ms, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2417.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1084.

2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312

9CI

Persilic acid, INN

[4444-23-9]



$C_6H_6O_8S_2$ M 270.229

Virucide, haemostatic, capillary protective agent.

Di-NH_4 salt: Cryst. Dec. >300.

Diethylamine salt (1:2): [57775-25-4]. *Dietilan. 263-E.*

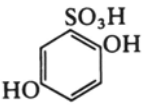
Quilico, A., *Gazz. Chim. Ital.*, 1927, **57**, 793 (*synth*)

Heymann, H. *et al*, *Arch. Biochem. Biophys.*, 1958, **73**, 366 (*pharmacol*)
Sim, A. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 962 (*pharmacol*)
Solans, X. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 651 (*cryst struct*)

2,5-Dihydroxybenzenesulfonic acid, 9CI D-00313

Hydroquinonesulfonic acid

[88-46-0]



$C_6H_6O_5S$ M 190.170

NH_4 salt: Mp 204°.

Ca salt (2:1): [20123-80-2]. *Calcium dobesilate, USAN, INN. Caricap. Doxytrex. Mesopor. Stifarol. Other proprietary names.* Haemostatic, vasotropic agent. Cryst. (H_2O). Mp >300° dec.

▷DB6127000.

Diethylamine salt (1:1): [2624-44-4]. ***Ethamsylate, BAN, USAN.*** *Etamsylate, INN. Cyclonamine. Dicynene. Impedil. Other proprietary names.* Haemostatic. Cryst. (EtOH). Mp 125°.

▷DB6145000.

5-Tosylate: [57775-26-5]. ***Sultosilic acid, INN.***
$C_{13}H_{12}O_7S_2$ M 344.354
Antilipidaemic agent.

5-Tosylate, cpd. with piperazine (1:1): [57775-27-6]. *Piperazine sulfosilate. Mimedran. A585.* Mp 174°.

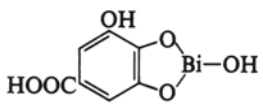
▷DB7070000.

Seyda, A., *Ber.*, 1883, **16**, 688 (*synth, salts*)
Dodgson, J.W., *J. Chem. Soc.*, 1914, **105**, 2438 (*synth*)
Esteve, J. *et al*, *Therapie*, 1960, **15**, 110 (*ethamsylate*)
Demars, A., *Med. Exptl.*, 1961, **4**, 173 (*ethamsylate*)
Fr. Pat., M1968, (*1963*); *CA*, **60**, 2845 (*ethamsylate*)
Fr. Pat., M6163 (*1968*); *CA*, **71**, 128752 (*dobesilate*)
Benakis, A. *et al*, *Therapie*, 1974, **29**, 211 (*dobesilate*)
Esteve, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 43 (*tosylate, synth*)
Romanian Pat., 70 166, (*1981*); *CA*, **95**, 219885 (*synth*)
Wood, S.G. *et al*, *Xenobiotica*, 1982, **12**, 165 (*tosylate, metab*)
Dayrens, P. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 372 (*tosylate, pharmacol*)
Sanchez-Ferrando, F. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 185 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1720.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 428.

2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, 9CI D-00314

Basic bismuth gallate. Bismuth subgallate. Dermatol. Numerous proprietary names

[99-26-3]



$C_7H_5BiO_6$ M 394.093

Used medicinally, mainly in USSR. Wound disinfectant. Yellow cryst. + $1H_2O$. Mp 100° dec. Loses $2H_2O$ at 100°. Component of Bongast.

Teletov, I.S., *CA*, 1929, **23**, 1718 (*synth*)
Pfeiffer, P. *et al*, *Pharmazie*, 1950, **5**, 517; *CA*, **46**, 4506 (*struct*)
Gryazina, A.G. *et al*, *Farmatsiya* (*Moscow*), 1977, **26**, 69 (*rev*)
Thomas, D.W. *et al*, *Dev. Toxicol. Environ. Sci.*, 1977, **1**, 293 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 649 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4280.

2,3-Dihydroxybenzoic acid, 9CI D-00315

Pyrocatechuic acid, 8CI. Catechol-3-carboxylic acid. o-*Pyrocatechuic acid*

[303-38-8]



$C_7H_6O_4$ M 154.122

Cryst. + $1H_2O$ (H_2O). Mp 204° (anhyd.). pK_a 2.91.

Di-Ac: [486-79-3]. *2,3-Bis(acetyloxy)benzoic acid, 9CI.* ***Dipyrocetyl, INN.*** *Artromialgina. Diacetol. Movilene. Movirene. Neovirene. Pirartrin. Pirocatechol. Prentan. Pyrocat. Tosiben. UCB 5080.*
$C_{11}H_{10}O_6$ M 238.196
Antirheumatic, antiinflammatory, antipyretic. Cryst. (C_6H_6/AcOH). Mp 160-163° (157-158°).

2-Me ether: [2169-28-0]. *3-Hydroxy-2-methoxybenzoic acid.*
$C_8H_8O_4$ M 168.149
Needles (H_2O). Mp 151-152°.

2-Me ether, Me ester: [2169-25-7].
$C_9H_{10}O_4$ M 182.176
Bp_{12-13} 146-148°.

3-Me ether: [877-22-5]. *2-Hydroxy-3-methoxybenzoic acid. Guaiacol-3-carboxylic acid. 3-Methoxysalicylic acid.* o-*Vanillic acid.*
$C_8H_8O_4$ M 168.149
Cryst. + $1H_2O$. Mp 152° (anhyd.).

▷BZ4840000.

3-Me ether, Me ester: [6342-70-7].
$C_9H_{10}O_4$ M 182.176
Mp 73°.

Rodionov, V.M., *CA*, 1941, **35**, 5101 (*synth*)
King, F.E. *et al*, *J. Chem. Soc.*, 1955, 4206 (*synth*)
Telung, S.A. *et al*, *J. Org. Chem.*, 1965, **30**, 752.
Polukordas, M.R. *et al*, *Farmakol. Toxikol.*, 1966, **29**, 594 (*pharmacol*)
Coward, R.F. *et al*, *J. Chromatogr.*, 1969, **45**, 311 (*glc*)
Scott, K.N., *J. Magn. Reson.*, 1970, **2**, 361 (*nmr*)
Kamath, B.V. *et al*, *J. Appl. Chem. Biotechnol.*, 1975, **25**, 743 (*uv*)
Rainsford, K.D. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 599 (*Dipyrocetyl*)
Williams, S.G. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 508.
Bergeron, R.J. *et al*, *J. Org. Chem.*, 1980, **45**, 1589 (*Dipyrocetyl*)
Obaseki, A.O. *et al*, *J. Heterocycl. Chem.*, 1985, **22**, 529 (*Dipyrocetyl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 263.

2,5-Dihydroxybenzoic acid, 9CI D-00316

Gentisic acid, INN, 8CI. *Hydroquinonecarboxylic acid. 5-Hydroxysalicylic acid*

[490-79-9]

$C_7H_6O_4$ M 154.122

Analgesic, antirheumatic, antiarthritic. Cryst. (H_2O). Mp 204.5-205°.

▷LY3850000.

Na salt: [4955-90-2]. *Sodium gentisate. Gentinatre. Gentisod. Legential. Other synonyms.* Cryst. + $5\frac{1}{2}H_2O$ (H_2O).

▷LY3860000.

Me ester: [2150-46-1].
$C_8H_8O_4$ M 168.149
Counterirritant, antirheumatic. Mp 88°.
Et ester: [3943-91-7].
$C_9H_{10}O_4$ M 182.176
Mp 77°.
Me ester, di-Ac:
$C_{12}H_{12}O_6$ M 252.223
Mp 62-63.5° (sealed tube).
2-Me ether: [61227-25-6]. *5-Hydroxy-2-methoxybenzoic acid.*
$C_8H_8O_4$ M 168.149
Mp 155-156°.
5-Me ether: [2612-02-4]. *2-Hydroxy-5-methoxybenzoic acid. 5-Methoxysalicylic acid.* Mp 145-146°.
Nitrile: [4640-29-3].
$C_7H_5NO_2$ M 135.122
Mp 151°.
Benzyl ester: ***Trichocarpinine.***
$C_{14}H_{12}O_4$ M 244.246
Isol. from bark of *Populus candicans.* Long needles (MeOH aq.). Mp 105-106°.
2-O-β-D-Glucopyranosyl, benzyl ester: [10590-85-9]. ***Trichocarpin.***
$C_{20}H_{22}O_9$ M 406.388
Constit. of the bark of *P. candicans.* Rosettes (H_2O). Mp 134-136°. $[\alpha]_D^{20}$ −46.3° (c, 5 in MeOH).

Puxeddu, E., *Gazz. Chim. Ital.*, 1929, **59**, 10 (*synth*)
Raistrick, H. *et al*, *Biochem. J.*, 1933, **27**, 628 (*synth*)
Meyer, K. *et al*, *Science*, 1948, **108**, 281 (*pharmacol*)
Forrest, J. *et al*, *J. Chem. Soc.*, 1950, 2340 (*synth, Me ester*)
Lowenthal, J. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 3292 (*synth*)
U.S.P., 2 782 232, (*1957*); *CA*, **51**, 10578a (*synth*)
Kaarlo, J.V. *et al*, *Acta Chem. Scand.*, 1963, **17**, 62 (*metab*)
Loeschcke, V. *et al*, *Naturwissenschaften*, 1964, **51**, 140 (*Trichocarpin, Trichocarpinine*)
Pearl, I.A. *et al*, *Phytochemistry*, 1968, **7**, 825, 837; 1971, **10**, 2844 (*Trichocarpin*)
Meek, W.H. *et al*, *J. Chem. Eng. Data*, 1969, **14**, 388 (*deriv*)
Scott, K.N., *J. Magn. Reson.*, 1970, **2**, 361 (*pmr*)
Šantavý, F. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 1825 (*uv*)
Scott, K.N., *J. Am. Chem. Soc.*, 1972, **94**, 8564 (*cmr*)
Haisa, M. *et al Acta Crystallogr., Sect. B*, 1982, **38**, 1480 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 647.

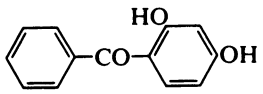
2,6-Dihydroxybenzoic acid, 9CI D-00317

γ-Resorcylic acid, 8CI. Resorcinol-2-carboxylic acid
[303-07-1]
$C_7H_6O_4$ M 154.122
Cryst. + $1H_2O$ (H_2O). Mp 150° to 170° (variable acc. to rate of heating). pK_a 1.08.
Me ester: [2150-45-0].
$C_8H_8O_4$ M 168.149
Mp 67-68°.
Me ether: [3147-64-6]. *2-Hydroxy-6-methoxybenzoic acid.*
$C_8H_8O_4$ M 168.149
Cryst. ($CHCl_3/C_6H_6$). Mp 135°.
Me ether, benzyl ester:
$C_{15}H_{14}O_4$ M 258.273
Constit. of *Aster ptarmicoides.* Cryst. (Et_2O/pet. ether). Mp 40°.
Me ether, 2-methoxybenzyl ester:
$C_{16}H_{16}O_5$ M 288.299
Constit. of *A. ptarmicoides.* Cryst. (Et_2O/pet. ether). Mp 35°.
p-*Bromoanilide:* [20788-07-2]. N-(*4-Bromophenyl*)-*2,6-dihydroxybenzamide, 9CI.* ***Resorantel, INN.*** *4'-Bromo-γ-resorcylamide, 8CI. Terenol. Hoe 296V.*
$C_{13}H_{10}BrNO_3$ M 308.131
Veterinary anthelmintic, teniacide. Mp 221-230°.

Mauthner, F., *J. Prakt. Chem.*, 1930, **124**, 319 (*synth*)
Shah, L.G. *et al*, *J. Sci. Ind. Res., Sect. B*, 1956, **15**, 159 (*synth*)
Doyle, F.P. *et al*, *J. Chem. Soc.*, 1962, 1453.
B.P., 916 548, (*1963*); *CA*, **59**, 3840 (*manuf*)
Dell, H.D. *et al*, *Justus Liebigs Ann. Chem.*, 1967, **709**, 70 (*ir, uv*)
B.P., 1 124 613, (*1968*); *CA*, **70**, 3574w (*Resorantel, synth, pharmacol*)
Bohlmann, F. *et al*, *Chem. Ber.*, 1969, **102**, 1682 (*isol, derivs*)
Coward, R.F. *et al*, *J. Chromatogr.*, 1969, **45**, 311 (*glc*)
Scott, K.N., *J. Magn. Reson.*, 1970, **2**, 361 (*nmr*)
Scott, K.N., *J. Am. Chem. Soc.*, 1972, **92**, 8564 (*cmr*)
Steinegger, E. *et al*, *Pharm. Acta Helv.*, 1972, **47**, 133 (*tlc*)
Ruschig, H. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1745 (*Resorantel*)
Williams, S.G. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 508.

2,4-Dihydroxybenzophenone, 8CI D-00318

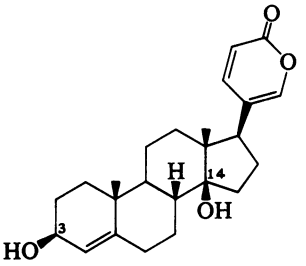
(*2,4-Dihydroxyphenyl*)*phenylmethanone, 9CI. 4-Benzoylresorcinol*
[131-56-6]



$C_{13}H_{10}O_3$ M 214.220
Polymer stabiliser, antioxidant; sunscreen agent. Needles (H_2O). Mp 142.6-144.6°.
▷DJ0700000.
Di-Ac: [75697-71-1].
$C_{17}H_{14}O_5$ M 298.295
Prisms. Mp 78°.
4-Me ether: [131-57-7]. (*2-Hydroxy-4-methoxyphenyl*)-*methanone, 9CI. 2-Hydroxy-4-methoxybenzophenone.* ***Oxybenzone,*** *INN, USAN. Anuvex. Cyasorb UV 9 (obsol.). Eusolex 4360. Spectra-Sorb UV. Uvinul M40. MOB. NSC 7778.*
$C_{14}H_{12}O_3$ M 228.247
Ultraviolet sunscreen. Cryst. (2-propanol). Mp 66°.
▷DJ1575000.
Di-Me ether: [3555-84-8].
$C_{15}H_{14}O_3$ M 242.274
Prisms (EtOH aq.). Mp 87-88°.

König, B. *et al*, *Ber.*, 1906, **39**, 4027 (*synth*)
Cox, E.H., *Recl. Trav. Chim. Pays-Bas*, 1931, **50**, 848 (*synth*)
Ledger, M.B. *et al*, *Spectrochim. Acta, Part A*, 1967, **23**, 641 (*uv*)
Homrowski, S., *CA*, 1968, **69**, 50613 (*tox*)
Liebich, B.W. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2522 (*cryst struct, deriv*)
S. African Pat., 7 602 667, (*1977*); *CA*, **87**, 201102 (*synth*)
Stocklinski, A.W. *et al*, *J. Chromatogr.*, 1979, **170**, 495 (*tlc*)
Piccolo, O. *et al*, *Tetrahedron*, 1986, **42**, 885 (*synth, Oxybenzone*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9312, 9320.

3,14-Dihydroxy-4,20,22-bufatrienolide D-00319



$C_{24}H_{32}O_4$ M 384.514

(3β,14β)-form [465-22-5]
Scillarenin
Constit. of *Scilla maritima*. Cryst. (MeOH). Mp 232-238°. $[\alpha]_D^{20}$ −16.8° (c, 0.4 in MeOH).
▷EI3500000.

3-(α-L-Rhamnopyranoside): [466-06-8]. *Proscillaridin A.* ***Proscillaridin, BAN, INN, JAN, USAN.*** *Cardion. Prostosin. Desglucotransvaalin. Scillacrist. Numerous proprietary names.*
$C_{30}H_{42}O_8$ M 530.657
Constit. of *S. maritima*. Cardiotonic. Cryst. (MeOH). Mp 219-222°. $[\alpha]_D^{20}$ −91.5° (MeOH).
▷UK6650000.

3-(Di-L-rhamnoside): [18894-18-3].
$C_{36}H_{52}O_{12}$ M 676.800
Constit. of *S. indica*. Cryst. + $2H_2O$ (MeOH). Mp 160-170° and 250-260°. $[\alpha]_D$ −75.2° (MeOH).

3-(β-D-Glucoside): [14904-71-3].
$C_{30}H_{42}O_9$ M 546.656
Constit. of *S. maritima*. Cryst. (EtOH). Mp 208-212°. $[\alpha]_D^{20}$ −54.2° (c, 0.5 in MeOH).

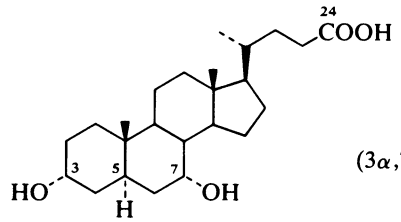
3-(4-L-Rhamnopyranosyl-β-D-glucopyranoside): [124-99-2]. ***Scillaren*** A. *Transvaalin. Glucoproscillardin* A.
$C_{36}H_{52}O_{13}$ M 692.799
Constit. of squills. Cardiotonic. Cryst. (EtOH). Mp 270°. $[\alpha]_D^{20}$ −73.8° (EtOH). Forms a methanolate monohydrate, Mp 230-240°.
▷EI3325000.

3-Scillatrioside: Glucoscillaren A.
$C_{42}H_{62}O_{18}$ M 854.941
Constit. of *S. maritima*. Cryst. (MeOH). Mp 228-232°. $[\alpha]_D^{20}$ −66° (MeOH).

3-(4-O-Methyl-α-L-rhamnopyranoside): [33396-37-1]. ***Meproscillarin, BAN, INN.*** *Methylproscillaridin. Rambufaside. Clift. Ky 18.*
$C_{31}H_{44}O_8$ M 544.684
Prepd. semisynthetically from Proscillaridin. Cardiotonic. Mp 213-217°. $[\alpha]_D^{20}$ −94° (MeOH).
▷EI3700000.

Stoll, A. *et al, Helv. Chim. Acta*, 1952, **35**, 1934, 2495 (*deriv*)
v. Wartburg, A. *et al, Helv. Chim. Acta*, 1966, **49**, 30 (*deriv*)
Rao, R.v.K. *et al, Tetrahedron Lett.*, 1967, 4563 (*deriv*)
Kamano, Y. *et al, J. Org. Chem.*, 1974, **39**, 2629 (*synth*)
Kubinyi, H. *et al, Arzneim.-Forsch.*, 1978, **28**, 493 (*synth, pharmacol, Meproscillarin*)
Andersson, K.E. *et al, Handb. Exp. Pharmacol.*, 1981, **56**, 87 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7879.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5821, 5826.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2317, 2386.

3,7-Dihydroxy-24-cholanoic acid D-00320



(3α,7α)-*form*

$C_{24}H_{40}O_4$ M 392.578

(3α,5α,7α)-form [15357-34-3]
Allochenodeoxycholic acid
Cryst. Mp 245-246°. $[\alpha]_D^{25}$ +6.38° (c, 1 in MeOH).

(3α,5β,7α)-form [474-25-9]
Chenodeoxycholic acid, BAN, INN. *Chenodiol, USAN. Chenic acid. Numerous proprietary names*
Occurs in human bile and bile of many other spp. Exptl. in prevention and dissolution of gall stones. Needles (EtOAc/heptane). Mp 119°, 145-146°. $[\alpha]_D$ +11° (EtOH).
▷FZ1980000.

Glycine amide: [640-79-9]. *Glycochenodeoxycholic acid. Glycoanthropodeoxycholic acid.*
$C_{26}H_{43}NO_5$ M 449.629
Occurs in human bile. Hexagonal plates (EtOH). Mp 181-182°. $[\alpha]_D^{27}$ +9.20° (EtOH).

Taurine amide: [516-35-8]. *Taurochenodeoxycholic acid.*
$C_{26}H_{45}NO_6S$ M 499.705
Occurs in human bile.

Taurine amide, Na salt: Mp 182-184°. $[\alpha]_D^{23}$ +9° (c, 1.0 in EtOH).

(3α,5β,7β)-form [128-13-2]
Ursodeoxycholic acid, BAN, INN. *Destolit. Ursodiol. Numerous proprietary names*
Occurs in bear bile. Cholagogic agent used for dissolution of gallstones. Plates (EtOH). Mp 203° (198-200°). $[\alpha]_D^{30}$ +44.5°, $[\alpha]_D^{20}$ +58° (c, 2.0 in EtOH).
▷FZ2000000.

Glycine amide: [64480-66-6]. *Glycoursodeoxycholic acid.*
$C_{26}H_{43}NO_5$ M 449.629
Conjugate of Ursodeoxycholic acid found in bear bile. Cryst. (EtOH) (hydrate). Mp 232° (228°). $[\alpha]_D^{25}$ +49.8° (EtOH).

(3β,5β,7α)-form [566-24-5]
Cryst. (EtOAc). Mp 204-206°.

(3β,5β,7β)-form [78919-26-3]
Cryst. (EtOAc/hexane). Mp 166-168.5°.

Iwasaki, T., *Hoppe-Seyler's Z. Physiol. Chem.*, 1936, **244**, 181 (*Ursodeoxycycholic*)
Fieser, L.F. *et al, J. Am. Chem. Soc.*, 1950, **72**, 5530 (*Chenodeoxycholic*)
Sato, Y. *et al, J. Org. Chem.*, 1959, **24**, 1367 (*Chenodeoxycholic*)
Hauser, E. *et al, Helv. Chim. Acta*, 1960, **43**, 1595 (*Chenodeoxycholic*)
Samuelson, B., *Acta Chem. Scand.*, 1960, **14**, 17 (*synth*)
Hofmann, J., *Acta Chem. Scand.*, 1963, **17**, 173.
Ziller, S.A. *et al, Chem. Ind. (London)*, 1967, 999 (*Allochenodeoxycholic*)
Inoue, M. *et al, Chem. Pharm. Bull.*, 1974, **22**, 1949 (*ms*)
Iser, J.H. *et al, Drugs*, 1981, **21**, 90 (*rev*)
Iida, T. *et al, J. Org. Chem.*, 1982, **47**, 2966 (*synth*)
Wovkulich, P.M. *et al, Helv. Chim. Acta*, 1984, **67**, 612 (*synth*)
Tint, G.S. *et al, Gastroenterology*, 1986, **91**, 1007 (*rev*)
Lindley, P.F. *et al, J. Crystallogr. Spectrosc. Res.*, 1987, **17**, 231 (*cryst struct*)
Rosenbaum, C.L. *et al, Drug Intell. Clin. Pharm.*, 1988, **22**, 941 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3706, 3753.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7226, 7227.

3,12-Dihydroxy-24-cholanoic acid D-00321

$C_{24}H_{40}O_4$ M 392.578

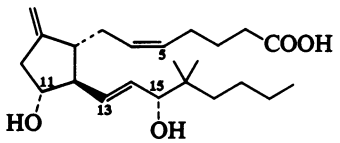
(3α,5α,12α)-form [1912-55-6]
β-Lagodeoxycholic acid
Constit. of rabbit bile and faeces. Mp 214-215°. $[\alpha]_D^{27}$ +42° (c, 0.75 in 90% EtOH aq.).

(3α,5β,12α)-form [83-44-3]
Deoxycholic acid. Choleic acid. Cholorebic acid. Droxolan. Pyrochol. Septochol
Occurs in bile of man, ox, goat and sheep. Choleretic, antiinflammatory agent. Cryst. (EtOH). Mp 187-189°. $[\alpha]_D^{19}$ +47.7° (c, 1.7 in dioxan), $[\alpha]_D$ +53° ($CHCl_3$). Adduct with menthol is marketed as Degalol.
▷Exp. carcinogen. FZ2100000.

Glycine amide: [360-65-6]. *Glycodeoxycholic acid. Deoxycholylglycine.*
$C_{26}H_{43}NO_5$ M 449.629
Bile acid. Cryst. Mp 187-188°. $[\alpha]_D^{23}$ +45.9° (c, 1 in EtOH), $[\alpha]_D$ +53° ($CHCl_3$).
▷MB9670000.

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1942, **25**, 797 (*synth*)
Bergström, S. *et al*, *Acta Chem. Scand.*, 1953, **7**, 481 (*synth*)
Fieser, L.F. *et al*, *Steroids*, 1959, Reinhold, N.Y. (*rev*)
Danielsson, H. *et al*, *J. Biol. Chem.*, 1963, **238**, 3846 (*isol*)
Chang, F.C. *et al*, *J. Org. Chem.*, 1965, **30**, 1718 (*synth*)
Leibfritz, D. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 4996 (*cmr*)
Inoue, M. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1949 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 866.

11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid D-00322



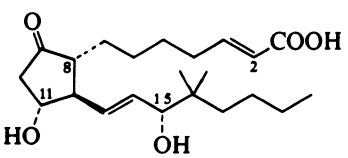
$C_{23}H_{38}O_4$ M 378.551

(5Z,11R,13E,15R)-form [61263-35-2]
Meteneprost, INN. *U 46785*
Oxytocic agent, shows high abortifacient activity.
Adamantamine salt: [65470-21-5]. Mp 115-117°. $[\alpha]_D$ −31° (c, 1 in MeOH).

Bygdeman, M. *et al*, *Lancet*, 1979, 1 (*8126*), 1136 (*pharmacol*)
Kimball, F.A. *et al*, *Prostaglandins*, 1979, **17**, 657 (*ir, pmr, ms, synth, props*)
Steffenrud, S., *Drug Metab. Dispos.*, 1983, **11**, 255 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8090.

11,15-Dihydroxy-16,16-dimethyl-9-oxa-2,13-prostadienoic acid D-00323

[64318-79-2]

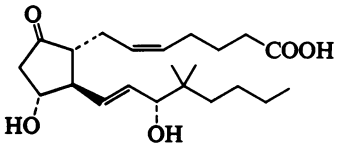


$C_{22}H_{36}O_5$ M 380.523
▷UK7894500.

(2E,11R,13E,15R)-form
Induces menstruation and uterine contraction. $[\alpha]_D^{25}$ −41.8° (c, 0.985 in EtOH).

Suga, H. *et al*, *Prostaglandins*, 1978, **15**, 907 (*synth, ir, pmr*)
Takagi, S. *et al*, *Prostaglandins*, 1978, **15**, 913.

11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid, 9CI D-00324



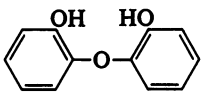
$C_{22}H_{36}O_5$ M 380.523

(5Z,11R,13E,15R)-form [39746-25-3]
16,16-Dimethyl-PGE₂. 16,16-Dimethyldinoprostone
Has abortive and contraceptive activity. Also affects stomach secretion.
▷UK7894000.

Magerlein, B.J. *et al*, *Prostaglandins*, 1973, **4**, 143 (*synth*)
U.S.P., 3 903 131, (*1975*); *CA*, **83**, 192667 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8080.

2,2'-Dihydroxydiphenyl ether D-00325

2,2'-Oxybisphenol, 9CI. 2,2'-Oxydiphenol, 8CI
[15764-52-0]



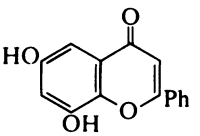
$C_{12}H_{10}O_3$ M 202.209
Bactericide for detergents. Mp 122-123°.

Di-Me ether: [1655-70-5].
$C_{14}H_{14}O_3$ M 230.263
Cryst. (pet. ether). Mp 79-80°. Bp 330-331°.

Ballantine, J.A. *et al*, *Org. Mass Spectrom.*, 1968, **1**, 447 (*ms*)
Kime, D.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 1048 (*synth, uv, ir, ms, pmr*)

6,8-Dihydroxyflavone, 8CI D-00326

6,8-Dihydroxy-2-phenyl-4H-1-benzopyran-4-one



$C_{15}H_{10}O_4$ M 254.242
Yellow needles (EtOH). Mp 278° dec.

Di-Ac:
$C_{19}H_{14}O_6$ M 338.316
Cryst. Mp 198-200°.

8-Me ether: 6-Hydroxy-8-methoxyflavone.
$C_{16}H_{12}O_4$ M 268.268
Pale-yellow needles (C_6H_6). Mp 244-245°.

Di-Me ether: [75523-08-9]. *6,8-Dimethoxyflavone.*
$C_{17}H_{14}O_4$ M 282.295
Cream needles (EtOH). Mp 148-149°, 152-153° (dimorph.).

Bis(carboxymethyl) ether: [37470-13-6]. *2,2'-[(4-Oxo-2-phenyl-4H-1-benzopyran-5,7-diyl)bis(oxy)-bis(acetic acid), 9CI.* ***Flavodic acid, INN.*** *Intercyton. Pericel. Comparison.*
$C_{19}H_{14}O_8$ M 370.315

Capillary protecting agent for treatment of atherosclerosis; freq. employed as di-Na salt.

Gowan, J.E. *et al*, *Tetrahedron*, 1958, **2**, 116 (*synth, uv*)
Simpson, T.H., *J. Org. Chem.*, 1963, **28**, 2107 (*synth*)
Fr. Pat., 2 076 753, (*1971*); *CA*, **77**, 34341s (*Flavodic acid*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12752.

2,7-Dihydroxy-9*H*-fluoren-9-one, 9CI D-00327

[42523-29-5]

$C_{13}H_8O_3$ M 212.204

O-Aminoalkyl derivs. have antitumour, antiviral, antiinflammatory activity. Red needles (EtOH aq.). Mp 338° dec., subl. Blue soln. in alkalis.

Di-Me ether: [42523-28-4]. *2,7-Dimethoxy-9-fluorenone.*

$C_{15}H_{12}O_3$ M 240.258

Orange-red needles (EtOH). Mp 126°.

Bis(diethylaminoethyl) ether: see Tilorone, T-00277

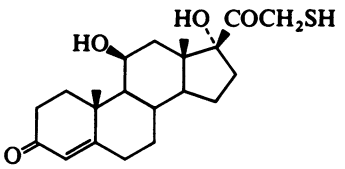
$C_{25}H_{34}NO_3$ M 396.549

Courtot, C. *et al*, *Ann. Chim.* (*Paris*), 1930, **14**, 44 (*synth*)
Krueger, R.F. *et al*, *Science*, 1970, **169**, 1213 (*use*)
Horner, L. *et al*, *Justus Liebigs Ann. Chem.*, 1973, 910 (*synth*)

11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, 9CI D-00328

***Tixocortol*, BAN, INN.** *Tiocortisol*

[61951-99-3]



$C_{21}H_{30}O_4S$ M 378.526

Corticosteroid used in labelling receptors. Dec. at 220-221°.

21-(2,2-Dimethylpropanoyl): [55560-96-8]. ***Tixocortol pivalate, USAN.*** *Pivalone. Rectovalone. Tiovalone. JO 1016.*

$C_{26}H_{38}O_5S$ M 462.643

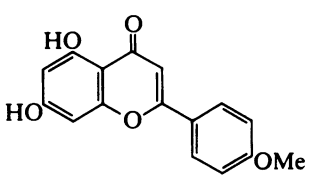
Antiinflammatory and antiallergic agent. Cryst. (EtOH). Mp 195-200°. $[\alpha]_D^{20}$ +145° (c, 1 in dioxan).

Ger. Pat., 2 357 778, (*1974*); *CA*, **82**, 156584 (*pivalate*)
Simons, S.S. *et al*, *J. Steroid Biochem.*, 1980, **13**, 311 (*synth, props*)
Uphill, P.F. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 453, 459, 462, 467 (*pivalate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13356.

5,7-Dihydroxy-4'-methoxyflavone, 8CI D-00329

5,7-Dihydroxy-2-(4-methoxyphenyl)-4H-1-benzopyran-4-one, 9CI. Apigenin 4'-methyl ether. ***Acacetin.*** *Linarigenin. Buddleoflavonol*

[480-44-4]



$C_{16}H_{12}O_5$ M 284.268

Constit. of *Robina pseudoacacia* (common acacia) and *Ammi visnaga*. Antiinflammatory, capillary protective and spasmolytic agent. Pale-yellow needles (EtOH). Mp 263°.

▷DJ3002000.

Di-Ac: [5892-39-7]. Needles (EtOH). Mp 203°.

7-β-D-Galactoside: [35013-09-3].

$C_{22}H_{22}O_{10}$ M 446.410

Mp 259° dec. $[\alpha]_D^{25}$ −36.6° (c, 0.55 in DMF).

7-β-D-Glucurono-β(1→2)-D-glucuronide: [36730-68-4]. Constit. of leaves of *Clerodendron trichotomum*. Mp 191-205° dec. $[\alpha]_D^{22}$ −48° (c, 1.3 in Py).

7-β-D-Glucoside: ***Tilianin.***

$C_{22}H_{22}O_{10}$ M 446.410

Obt. from leaves of *Tilia japonica*. Cryst. + $2.5H_2O$ (MeOH). Mp 259-260° (anhyd.). $[\alpha]_D^{20}$ −63.3° (7:3 Py/EtOH).

7-β-Rutinoside: ***Linarin.*** *Acaciin. Buddleoflavonoloside.*

$C_{28}H_{32}O_{14}$ M 592.552

Occurs in *Linaria vulgaris*, *Robinia* and *Micromeria* spp. and other plants. Mp 272-276°. $[\alpha]_D^{24}$ −90.3° (Py).

7-(2,4-Di-O-acetyl-α-L-rhamnopyranosyl(1→6)-β-D-glucopyranosyl(1→2)-β-D-glucopyranosyl(1→2)-3-O-acetyl-β-D-glycopyranoside): [59985-51-2]. ***Coptiside*** **I.**

$C_{46}H_{58}O_{27}$ M 1042.948

Constit. of leaves of *Coptis japonica*. Pale-yellow amorph. powder. Mp 190-191°. $[\alpha]_D^{25}$ −93° (Py).

7-Neohesperidoside: [20633-93-6]. ***Fortunellin.***

$C_{28}H_{32}O_{14}$ M 592.552

Constit. of *Fortunella* spp. Cryst. (MeOH aq.). Mp 214-216°.

Robinson, R. *et al*, *J. Chem. Soc.*, 1926, **128**, 2344 (*synth*)
Shibata, S. *et al*, *Yakugaku Zasshi*, 1960, **80**, 620; *CA*, **54**, 21488 (*pharmacol*)
Nakaoki, T. *et al*, *CA*, 1961, **55**, 10803 (*deriv*)
Nogradi, M. *et al*, *Chem. Ber.*, 1967, **100**, 2783 (*deriv*)
Bowie, J.H. *et al*, *J. Chem. Soc.* (*B*), 1969, **2**, 89 (*ms*)
Khadzhai, Y. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1969, **32**, 451 (*pharmacol*)
Okigawa, M. *et al*, *Tetrahedron Lett.*, 1970, 2935 (*deriv*)
Wagner, H. *et al*, *Chem. Ber.*, 1969, **102**, 1445, 2083; 1970, **103**, 851 (*derivs*)
Fujiwara, H. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 407 (*Coptiside*)
Wagner, H. *et al*, *Tetrahedron Lett.*, 1976, 1799 (*nmr*)

5,7-Dihydroxy-4'-methoxyisoflavone D-00330

5,7-Dihydroxy-3-(4-methoxyphenyl)-4H-1-benzopyran-4-one, 9CI. ***Biochanin A.*** *Genistein 4'-methyl ether*

[491-80-5]

$C_{16}H_{12}O_5$ M 284.268

Constit. of clover (*Trifolium repens*), *Dalbergia* and *Cotoneaster* spp. Sl. oestrogenic. Needles (MeOH or EtOH aq.). Mp 215-216°.

7-Ac:

$C_{18}H_{14}O_6$ M 326.305

Rectangular plates (MeOH). Mp 155-156°.

5,7-Di-Ac:

$C_{20}H_{16}O_7$ M 368.342

Needles (MeOH). Mp 190°.

7-β-D-Glucoside: [5928-26-7]. ***Sissotrin.***

$C_{22}H_{22}O_{10}$ M 446.410

Constit. of *Thermopsis* and *C.* spp. Mp 220°. $[\alpha]_D^{30}$ −35.3° (c, 1.644 in DMF).

7-(β-D-Apiosyl(1→2)-β-D-glucopyranoside): ***Lanceolarin.***

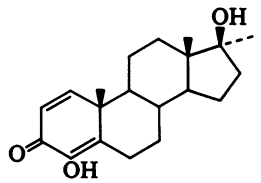
$C_{27}H_{30}O_{14}$ M 578.526

Constit. of the root bark of *D. lanceolaria*. Cryst. (MeOH). Mp 165-167° (unsharp, previous sintering). $[\alpha]_D^{22}$ −9.69° (c, 1.032 in 80% MeOH aq.).

Baker, W. *et al*, *J. Chem. Soc.*, 1953, 1852 (*synth*)
Geissman, T.A. *et al*, *Phytochemistry*, 1965, **4**, 89 (*Sissotrin*)
Malhotra, A. *et al*, *Tetrahedron*, 1967, **23**, 405 (*Lanceolarin*)
Foot, S. *et al*, *Synthesis*, 1976, 326 (*synth*)
Diedrich, D.F. *et al*, *J. Chem. Eng. Data*, 1977, **22**, 448 (*pmr*)
Ashdown, D.H.J. *et al*, *Synthesis*, 1978, 843 (*synth*)
Bass, R.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 666 (*cmr*)

4,17-Dihydroxy-17-methyl-1,4-androstadien-3-one, 9CI, 8CI D-00331

Enestebol, INN



$C_{20}H_{28}O_3$ M 316.439

(4α,17S)-form [2320-86-7]

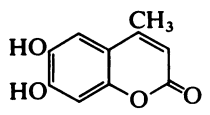
Anabolic agent. Mp 158-160°. $[\alpha]_D$ +84°.

Camerino, B. *et al*, *Ann. Chim. (Rome)*, 1965, **55**, 288 (*synth*)
Baldratt, G. *et al*, *Folia Endocrinol.*, 1967, **20**, 357 (*pharmacol*)

6,7-Dihydroxy-4-methyl-2*H*-1-benzopyran-2-one, 9CI D-00332

6,7-Dihydroxy-4-methylcoumarin. 4-Methylaesculetin

[529-84-0]



$C_{10}H_8O_4$ M 192.171

Cryst. (EtOH aq.). Mp 272-274°.

Bis(hydrogen sulfate): [29334-07-4]. ***Sulmarin, INN***. *4-Methyl-6,7-bis(sulfooxy)-2H-1-benzopyran-2-one, 9CI. MG-143. Idro* P_2.

$C_{10}H_8O_{10}S_2$ M 352.287

Haemostatic drug, used as di-Na salt.

Di-Me ether: [4281-40-7]. *6,7-Dimethoxy-4-methyl-2H-1-benzopyran-2-one.* Found in *Sideritis canariensis, Cedrela toona, Clematis ligusticifolia* and other plants. Cryst. (EtOH). Mp 136-137°. Struct. formerly assigned to Siderin.

6-(Carboxymethyl) ether: [52814-39-8]. *[(7-Hydroxy-4-methyl-2-oxo-2H-1-benzopyran-6-yl)oxy]acetic acid, 9CI. Methylesculetylethanoic acid.* ***Metexuletol, INN***.

$C_{12}H_{10}O_6$ M 250.207

Antiinflammatory agent. Cryst. (EtOH). Mp 272-274°.

6-(Carboxymethyl) ether, Na salt: [53285-61-3]. *Permethol. Metesculetol sodium.*

6-(Carboxymethyl)ether; compd. with 7-[2-(Diethylamino)ethyl]theophylline: [15518-82-8]. ***Metescufylline, INN***. *Etamiphyllin. Methescutol. Veinartan. Venarterin.*

▷PC9450000.

v. Pechmann, H. *et al*, *Ber.*, 1901, **34**, 423.
Org. Synth., Coll. Vol., **1**, 360.
Maggiorelli, E., *CA*, 1953, **47**, 6412d (*synth*)
Cortesi, R. *et al*, *Bull. Soc. Pharm. Bordeaux*, 1961, **100**, 133 (*Metexuletol*)
Radouco-Thomas, S. *et al*, *Life Sci.*, 1967, **3**, 465 (*Sulmarin*)
Khan, M.A.S. *et al*, *Anal. Chim. Acta*, 1968, **43**, 153 (*pmr*)
Fr. Pats., 1 604 935, (*1972*), 2 377 201, (*1978*); *CA*, **81**, 13389f, *CA*, **91**, 9494a (*Metexuletol*)
Cussans, N.J. *et al*, *Tetrahedron*, 1975, **31**, 2719 (*cmr*)
Ahluwalia, V.K. *et al*, *Indian J. Chem., Sect. B*, 1977, **15**, 514 (*deriv*)
Sankar, S.S. *et al*, *Org. Magn. Reson.*, 1982, **19**, 222 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12934, 13284.

1,4-Dihydroxy-2-methylnaphthalene D-00333

2-Methyl-1,4-naphthalenediol, 9CI, 8CI. 2-Methyl-1,4-naphthoquinol. ***Menadiol, BAN***. *Protrombrovit*

[481-85-6]

$C_{11}H_{10}O_2$ M 174.199

Drug used for treatment of hyproprothrombinaemia. Cryst. (AcOH or toluene). Mp 177-178° (160°, 175°). Easily oxid. to 2-Methyl-1,4-naphthoquinone.

▷QJ5075000.

Bis(dihydrogen phosphate): [84-98-0].

$C_{11}H_{12}O_8P_2$ M 334.159

Prothrombogenic vitamin.

Bis(dihydrogen phosphate), tetra-Na salt: [131-13-5]. *Menadiol sodium diphosphate. Kappadione. Synkayvite.* Hexahydrate.

▷QJ5150000.

Sodium phosphate: [6700-42-1]. *Synkavit.*

Di-O-sulfate: [29520-22-7]. *Menadiol disulfate.*

$C_{11}H_{10}O_8S_2$ M 334.315

Synthetic vitamin K analogue; prothrombogenic agent.

Di-O-sulfate, di-K salt: [1612-30-2]. *Potassium menaphthosulfate, BAN. Menadiol potassium sulfate, INN. Vikastab.* Vitamin K analogue.

Di-Ac: [573-20-6]. ***Acetomenaphthone, BAN***. *Acetomenadione. Menadiol diacetate. Kapilin. Kappaxan. Kayvite. Vitamin* K_4. *Numerous proprietary names.*

$C_{15}H_{14}O_4$ M 258.273

Vasodilator, prothrombogenic vitamin. Antihaemorrhagic. Cryst. (EtOH or AcOH). Mp 113°.

▷QJ5250000.

Di-Me ether:

$C_{13}H_{14}O_2$ M 202.252

Bp_{14} 170-171°.

Dibutanoyl: [53370-44-8]. ***Menadiol dibutyrate***. *Karan. Karanum.*

$C_{19}H_{22}O_4$ M 314.380

Prothrombogenic vitamin. Mp ca. 53°.

▷QJ5255000.

Bis(3-carboxypropanoyl): [60539-13-1]. ***Menadiol disuccinate***. *Kapathrom.*

$C_{19}H_{18}O_8$ M 374.346

Prothrombogenic vitamin. Cryst. (EtOH aq.). Mp 177°.

Bis(x-sulfobenzoyl): ***Menadiol bissulfobenzoate***. K-*Thrombyl inj.*.

$C_{25}H_{18}O_{10}S_2$ M 542.531

Prothrombogenic vitamin.

1-(Trimethylammonium acetyl), chloride: ***Menadiol trimethylammonioacetate chloride***. *Hemodal (T).*

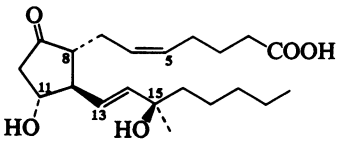
$C_{16}H_{20}ClNO_3$ M 309.792

Antihaemorrhagic.

Fries, K. *et al*, *Ber.*, 1921, **54**, 2912 (*synth*)
Fieser, L.F. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 228 (*synth*)
Sah, P.P.T. *et al*, *Ber.*, 1940, **73**, 762; *Recl. Trav. Chim. Pays-Bas*, 1940, **59**, 461 (*Acetomenadione*)

Ger. Pat., 734 220, (*1943*); *CA*, **38**, 1252 (*Dibutyrate*)
Buu-Hoï, Ng.Ph. *et al*, *J. Chem. Soc.*, 1956, 1743 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3512.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7904, 7905.

11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, 9CI D-00334



(*5Z,11R,13E,15R*)-*form*

$C_{21}H_{34}O_5$ M 366.497

(*5Z,11R,13E,15R*)-*form* [55028-70-1]
(*15*R)-*Methyl-PGE*$_2$. ***Arbaprostil, INN***. *Arbacet. U 42842*
Gastric antisecretory and antiulcer agent.
▷UK7895000.
Me ester: [39219-61-9]. Oil. $[\alpha]_D$ −74° (c, 1.0 in $CHCl_3$).

(*5Z,11R,13E,15S*)-*form* [35700-27-7]
(*15*S)-*Methyl-PGE*$_2$
Has vasodepressor activity.
▷UK7896000.
Me ester: [36210-00-1]. Has vasodepressor activity. Oil. $[\alpha]_D$ −79° (c, 1.3 in $CHCl_3$).

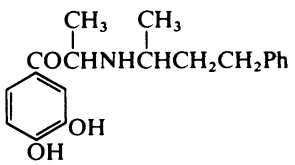
(*5Z,8R,11R,12S,13E,15R*)-*form*
(*15*R)-*Methyl*-ent-*PGE*$_2$
Me ester: [53317-79-6]. Oil. $[\alpha]_D$ +78° (c, 0.84 in $CHCl_3$).

(*5Z,8R,11R,12S,13E,15S*)-*form*
(*15*S)-*Methyl*-ent-*PGE*$_2$
Me ester: [53317-78-5]. Oil. $[\alpha]_D$ +77° (c, 0.75 in $CHCl_3$).

Bundy, G.L. *et al*, *Ann. N.Y. Acad. Sci.*, 1971, **180**, 76 (*synth*)
Cooper, E.L. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 5876 (*synth, pmr, ir, uv, ms*)
Yankee, E.W. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 5865 (*synth, ir, pmr, uv*)
Thornburgh, B.A. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1986, **11**, 61 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8072, 8073.

3,4-Dihydroxy-α-[(1-methyl-3-phenylpropyl)amino]propiophenone D-00335

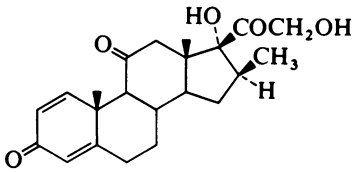
1-(3,4-Dihydroxyphenyl)-2-[(1-methyl-3-phenylpropyl)amino]-1-propanone. Asthma-Keton 11. Asthma-Tropon



$C_{19}H_{23}NO_3$ M 313.396
Antiasthmatic.
B,HCl: [3810-85-3].

Ludwigs, N. *et al*, *Naunyn-Schmiedebergs Arch. Pharmacol.*, 1953, **218**, 432 (*pharmacol*)
Ger. Pat., 942 513, (*1956*); *CA*, **53**, 10130a (*synth, props*)
Thies, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1962, **295**, 194, 715 (*uv, ir*)

17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione, 9CI, 8CI D-00336



$C_{22}H_{28}O_5$ M 372.460

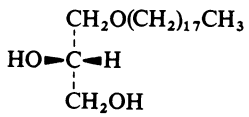
16α-form [2036-77-3]
Semisynth. steroid obt. by hydroxylation with *Bacillus lentus*. Antiinflammatory agent. Cryst. (EtOH). Mp 199-200°.
21-Ac:
$C_{24}H_{30}O_6$ M 414.497
Mp 212-214°. $[\alpha]_D$ +157.9° (c, 1 in dioxan).

16β-form [1247-42-3]
Meprednisone, USAN, INN. *Methylprednisone. Betapred. Betapar. NSC 527579. Other proprietary names*
Prod. semisynth. from various substrates by *Corynebacterium simplex* hydroxylation. Glucocorticoid. Antiinflammatory agent. Cryst. Mp 200-205°. $[\alpha]_D$ +200° (dioxan).
▷TU4154090.
21-Ac: Mp 232-235°. $[\alpha]_D$ +210° (c, 1 in dioxan).
21-(3-Carboxypropanoyl): [27303-92-0]. ***Meprednisone hydrogen succinate***. *Methylprednisone hemisuccinate. Lepicortin-Beta. Injectavel.*
$C_{26}H_{32}O_8$ M 472.534
Antiinflammatory and antiallergic agent.

Oliveto, E.P. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4428 (*synth*)
Taub, D. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4435; 1960, **82**, 4012 (*synth*)
Kluepfel, D. *et al*, *Experientia*, 1962, **18**, 441 (*synth*)
Gallo, G.G. *et al*, *Ann. Chim.* (*Rome*), 1964, **54**, 1370 (*nmr*)
Ebling, W.F. *et al*, *Drug Metab. Dispos.*, 1985, **13**, 296 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6630 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1114.

2,3-Dihydroxy-1-octadecyloxypropane D-00337

Batyl alcohol. Glyceryl 1-octadecyl ether. Glyceryl α-stearyl ether. α-Stearyl glyceryl ether. ***Batilol, INN***
[544-62-7]



(*S*)-*form*

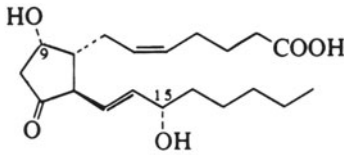
$C_{21}H_{44}O_3$ M 344.577
▷TZ0960000.

(*S*)-*form* [10567-22-3]
1-O-Octadecyl-sn-*glycerol. D-form*
Constit. of shark liver and other elasmobranch fish oils. Radioprotective agent. Mp 70.5-71.5°. Opt. rotn. concn. dependent.
Di-Ac: [18330-40-0].
$C_{25}H_{48}O_5$ M 428.651
Mp 39-40°. $[\alpha]_D^{22}$ −11.8° (c, 0.27 in hexane).
Isopropylidene deriv.:
$C_{24}H_{48}O_3$ M 384.641
$[\alpha]_D^{22}$ −16.2° (c, 0.46 in hexane).

Heilbron, I.M. *et al*, *J. Chem. Soc.*, 1928, 942 (*isol*)
Baer, E. *et al*, *J. Biol. Chem*, 1941, **140**, 397 (*synth, config*)
Kind, C.A. *et al*, *J. Org. Chem.*, 1942, **7**, 424 (*isol*)

Edlund, T., *Nature (London)*, 1954, **174**, 1102 (*props*)
Bodman, J. *et al*, *Clin. Chim. Acta*, 1958, **3**, 253 (*rev, occur*)
Hallgren, B. *et al*, *J. Lipid Res.*, 1962, **3**, 31 (*occur*)
Wood, R. *et al*, *Lipids*, 1967, **2**, 161 (*synth, chromatog, pmr*)
Chacko, G.K. *et al*, *Biochim. Biophys. Acta*, 1968, **164**, 252 (*synth*)
Suemune, H. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3112 (*synth, ir, pmr*)

9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid D-00338

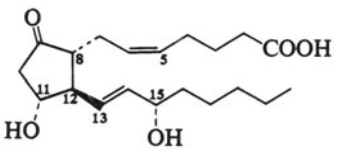


$C_{20}H_{32}O_5$ M 352.470

(5Z,9S,13E,15S)-form [41598-07-6]
Prostaglandin D_2. *PGD_2*
Metab. of PGH_2, bronchoconstrictor. Mp 68°.
▷UK7930000.

Hayashi, M. *et al*, *J. Org. Chem.*, 1973, **38**, 2115 (*synth, ir, pmr*)
Anderson, N.H. *et al*, *Prostaglandins*, 1977, **14**, 61 (*synth*)
Stehle, R.G., *Methods Enzymol.*, 1982, **86**, 436 (*rev*)
Bundy, G.L. *et al*, *J. Med. Chem.*, 1983, **26**, 790 (*synth, pharmacol*)
Cepa, S.R. *et al*, *Prostaglandins*, 1984, **27**, 645 (*ms*)
Suzuki, M. *et al*, *Tetrahedron Lett.*, 1984, **25**, 1383 (*synth*)
Cainelli, G. *et al*, *Tetrahedron*, 1985, **41**, 1385 (*synth*)
Whittle, B.J.R. *et al*, *Avd. Exp. Med. Biol.*, 1985, **192**, 109 (*rev, props*)
Ogawa, Y. *et al*, *J. Org. Chem.*, 1986, **51**, 1625 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8094.

11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, 9CI D-00339



$C_{20}H_{32}O_5$ M 352.470

(5Z,8R,11R,12R,13E,15S)-form [363-24-6]
Prostaglandin E_2. *PGE_2*. ***Dinoprostone, BAN, INN, JAN, USAN***. *Dinopron* EM. *Enzaprost* E. *Medullin*. *Minprostin* E_2. *Prostarmon* E. *Prostenon*. *Prostin* E_2. *U 12062*
Most common and biologically active of mammalian prostaglandins. Oxytocic, abortifacient and vasodilator. Mp 66-68°. $[\alpha]_D^{26}$ −61° (c, 1 in THF).
▷UK8000000.

(5E,8R,11R,12R,13E,15S)-form [36150-00-2]
(5E)-*PGE_2*
Plates (Et_2O/hexane). Mp 76-77°. $[\alpha]_D$ −66° (c, 0.983 in EtOH), −95° (c, 0.903 in $CHCl_3$).
▷Exp. teratogen

(5Z,8R,11S,12R,13E,15S)-form [38310-90-6]
11-epi-*PGE_2*
Oil. $[\alpha]_D^{25}$ −26° (c, 0.0076 in EtOH).

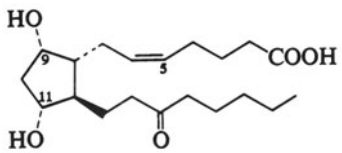
(5Z,8SR,11RS,12RS,13E,15SR)-form [31660-17-0]
(±)-*8*-iso-*PGE_2*
Cryst. (EtOAc/heptane). Mp 90-92°.

(5Z,8RS,11RS,12RS,13E,15RS)-form [31660-13-6]
(±)-*15*-epi-*PGE_2*

Bergström, S. *et al*, *Biochim. Biophys. Acta*, 1964, **90**, 207 (*biosynth*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 5675; *Tetrahedron Lett.*, 1970, 307 (*synth*)
Bundy, G.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 2124 (*synth*)
Floyd, D.M. *et al*, *Tetrahedron Lett.*, 1972, 3269 (*synth*)
Horton, E.W., *Proc. Roy. Soc. London, Ser. B*, 1972, **182**, 411 (*rev*)
Heather, J.B. *et al*, *Tetrahedron Lett.*, 1973, 2313 (*synth*)
Von Euler, U.S., *Arch. Int. Pharmacodyn. Ther.*, 1973, **202**, 295 (*rev, pharmacol*)
Sih, C.J. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 865 (*synth*)
Andersen, N.H. *et al*, *Prostaglandins*, 1977, **14**, 61 (*synth*)
Schneider, W.P. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 1222 (*synth, ms*)
Uekama, K. *et al*, *Chem. Lett.*, 1977, 1389 (*cd*)
Chen, S.-M.L. *et al*, *J. Org. Chem.*, 1978, **43**, 3450 (*synth, ir, pmr, cmr, ms*)
Nakamura, N. *et al*, *Tetrahedron Lett.*, 1978, 1549 (*synth, pmr*)
Van Dyk, J.M., *Med. Actual.*, 1978, **14**, 74 (*rev*)
Newton, R.F. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 2789 (*synth*)
de Titta, G.T. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 638 (*cryst struct, conformn*)
Stehle, R.G., *Methods Enzymol.*, 1982, **86**, 436 (*rev*)
Donaldson, R.E. *et al*, *J. Org. Chem.*, 1983, **48**, 2167 (*synth*)
Tanaka, T. *et al*, *Tetrahedron Lett.*, 1985, **26**, 5575 (*synth*)
Johnson, C.R. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 5655 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8082.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1222.

9,11-Dihydroxy-15-oxo-5-prostenoic acid, 9CI D-00340

7-[3,5-Dihydroxy-2-(3-oxooctyl)cyclopentyl]-5-heptenoic acid, 8CI
[27376-76-7]

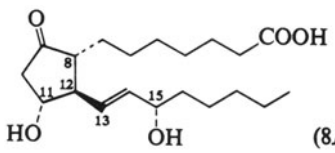


$C_{20}H_{34}O_5$ M 354.486

(5Z,9S,11R)-form [27376-76-7]
Metab. of $PGF_{2\alpha}$ and PGE_2 occurring in blood, urine and semen.

Hamberg, M. *et al*, *Ann. N.Y. Acad. Sci.*, 1971, **180**, 164.

11,15-Dihydroxy-9-oxo-13-prostenoic acid, 9CI D-00341



(8*R*,11*R*,12*R*,13*E*,15*S*)-*form*

$C_{20}H_{34}O_5$ M 354.486

(8R,11R,12R,13E,15S)-form [745-65-3]
(8α,11α,15α)-*form*. *Prostaglandin* E_1. (−)-*PGE_1*. ***Alprostadil, BAN, USAN, INN***. *Minprog. Prostin* VR. *U 10136*
Constit. of sheep's prostate and calf thymus glands. Vasodilator, oxytoxic and abortifacient. Cryst. (EtOAc). Mp 114-116.5°. $[\alpha]_D^{24}$ −53.2° (c, 0.977 in THF).
▷GY4569800.

(8S,11S,12S,13E,15R)-form
(+)-*PGE_1*. ent-*PGE_1*
Mp 114-117°. $[\alpha]_D$ +57° (c, 0.50 in THF).

(8RS,11RS,12RS,13E,15SR)-form [20348-58-7]
(±)-*PGE*$_2$
Mp 113.5-115°.

(8S,11R,12R,13E,15S)-form [21003-46-3]
(*8β,11α,15α*)-*form. 8*-epi-*Prostaglandin* E$_1$. (−)-*8*-epi-*PGE*$_1$. *Ovinonic acid*
Cryst. (EtOAc/pet. ether). Mp 87-88°. Polymorphic.

(8RS,11SR,12SR,13E,15RS)-form [23203-65-8]
(±)-*8*-epi-*Prostaglandin* E$_1$. (±)-*8*-epi-*PGE*$_1$
Mp 101-102°.
Me ester: Mp 52-53°.

(8RS,11SR,12RS,13E,15SR)-form [20348-68-9]
(*8α,11β,15α*)-*form.* (±)-*11*-epi-*Prostaglandin* E$_1$. (±)-*11*-epi-*PGE*$_1$
Cryst. (Et_2O). Mp 92.5-93°.

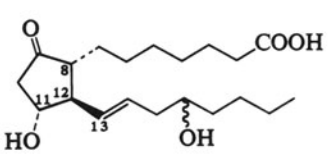
(8RS,11RS,12RS,13E,15RS)-form [20897-96-5]
(*8α,11α,15β*)-*form.* (±)-*15*-epi-*Prostaglandin* E$_1$. (±)-*15*-epi-*PGE*$_1$
Oil.

(8RS,11SR,12SR,13E,15SR)-form [55869-97-1]
(*8β,11α,15β*)-*form.* (±)-*8,15*-diepi-*Prostaglandin* E$_1$. (±)-*8,15*-diepi-*PGE*$_1$
Oil.

(8RS,11SR,12RS,13E,15RS)-form [20348-69-0]
(*8α,11β,15β*)-*form.* (±)-*11,15*-diepi-*Prostaglandin* E$_1$. (±)-diepi-*PGE*$_1$
Has twice the biological activity of (±)-Prostaglandin E_1.
Cryst. (EtOAc). Mp 91-92°.

Berti, F. *et al, Progr. Biochem. Pharmacol.*, 1967, **3**, 110 (*rev, props*)
Corey, E.J. *et al, J. Am. Chem. Soc.*, 1968, **90**, 3245, 3247; 1969, **91**, 535 (*synth*)
Daniels, E.G. *et al, J. Am. Chem. Soc.*, 1968, **90**, 5894 (*isol*)
Schneider, W.P. *et al, J. Am. Chem. Soc.*, 1968, **90**, 5895 (*synth*)
Hamberg, M. *et al, J. Biol. Chem*, 1971, **246**, 6713 (*metab*)
Sih, C.J. *et al, J. Am. Chem. Soc.*, 1972, **94**, 3643 (*synth*)
Weeks, J.R. *et al, Ann. Rev. Pharmacol.*, 1972, **12**, 317 (*rev*)
Lincoln, F.H. *et al, J. Org. Chem.*, 1973, **38**, 951 (*synth*)
Lukacs, G. *et al, Tetrahedron Lett.*, 1973, 515 (*cmr*)
Miyano, M. *et al, J. Org. Chem.*, 1975, **40**, 1740, 1748 (*synth, bibl, ord, cd*)
Murakami, A. *et al, Chem. Pharm. Bull.*, 1977, **25**, 2870; 1979, **27**, 548 (*conformn*)
Spek, A.L., *Acta Crystallogr., Sect. B*, 1977, **33**, 816 (*cryst struct*)
Nakamura, N. *et al, Tetrahedron Lett.*, 1978, 1549 (*synth*)
Bernady, K.F. *et al, J. Org. Chem.*, 1979, **44**, 1438 (*synth*)
Nokami, J. *et al, Bull. Chem. Soc. Jpn.*, 1982, **55**, 3043 (*synth*)
Tanaka, T. *et al, Tetrahedron Lett.*, 1983, **24**, 4103 (*synth*)
Cepa, S.P. *et al, Prostaglandins*, 1984, **27**, 645 (*ms*)
Whittle, B.J.R. *et al, Adv. Exp. Med. Biol.*, 1985, **192**, 109 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8071.

11,16-Dihydroxy-9-oxo-13-prostenoic acid, 9CI D-00342

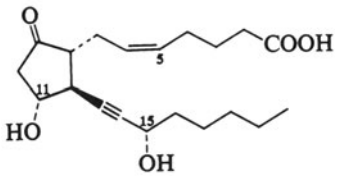


$C_{20}H_{34}O_5$ M 354.486

(8RS,11RS,12RS,13E)-form
Bronchodilator.
Me ester: [59122-45-1]. Inhibits gastric secretion.

Collins, P.W. *et al, Tetrahedron Lett.*, 1975, 4217 (*synth, pmr*)
Collins, P.W. *et al, J. Med. Chem.*, 1977, **20**, 1152 (*synth*)

11,15-Dihydroxy-9-oxo-5-prosten-13-ynoic acid D-00343



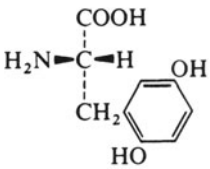
$C_{20}H_{30}O_5$ M 350.454

(5Z,11R,15S)-form [39918-02-0]
13,14-Dehydro-PGE$_2$

Cooper, G.F. *et al, Proc. Inst. Corp. Stable Isot. Chem. Biol. Med., 1st*, 1973, 72 (*cmr*)
Fried, J. *et al, Tetrahedron Lett.*, 1973, 3899 (*synth*)

2,5-Dihydroxyphenylalanine, 9CI D-00344

β-(2,5-Dihydroxyphenyl)alanine. 2-Amino-3-(2,5-dihydroxyphenyl)propanoic acid
[60594-70-9]



(*S*)-*form*
Absolute configuration

$C_9H_{11}NO_4$ M 197.190

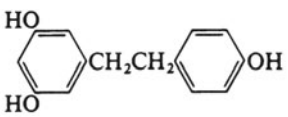
(S)-form [32361-24-3]
L-form
Metab. of *Streptomyces* spp. Antibiotic and cardiac stimulant.

(±)-*form*
Cryst. (H_2SO_3 aq.). Mp 245-250°. Green colour with $FeCl_3$.
B,HBr: Mp 274.5-275° dec.
B,HI: Mp 230-235°.
Monohydrate: Mp 232-233°.

Gillespie, H.B., *Biochem. Prep.*, 1953, **3**, 79 (*synth*)
Shuylgin, A.T. *et al, J. Chem. Soc.*, 1953, 1316 (*synth*)
Fickenscher, U. *et al, Arch. Mikrobiol.*, 1971, **75**, 346 (*isol*)
U.S.P., 3 976 782, (*1976*); *CA*, **86**, 47289 (*synth*)

1-(3,5-Dihydroxyphenyl)-2-(4-hydroxyphenyl)ethane D-00345

3,4',5-Trihydroxybibenzyl. 5-[2-(4-Hydroxyphenyl)-ethyl]-1,3-benzenediol



$C_{14}H_{14}O_3$ M 230.263
Constit. of *Cannabis sativa*. Cryst. ($Et_2O/CHCl_3$). Mp 156-157°.

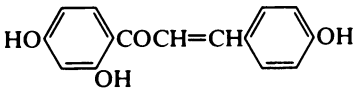
3-Me ether: [67884-29-1]. *3,4'-Dihydroxy-5-methoxybibenzyl. 3-[2-(4-Hydroxyphenyl)ethyl]-5-methoxyphenol.*
$C_{15}H_{16}O_3$ M 244.290
Noncannabinoid constit. of cannabis. Shows oestrogenic props. Prisms. Mp 109-110°.

El-Feraly, F.S. *et al, Experientia*, 1979, **35**, 1131 (*synth*)

Wirth, Ph. *et al*, *Experientia*, 1981, **37**, 1181 (*pharmacol*)
El-Feraly, F.S., *J. Nat. Prod.*, 1984, **47**, 89 (*isol*)

1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, 9CI D-00346

2',4,4'-Trihydroxychalcone, 8CI



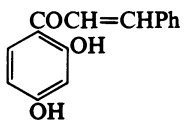
$C_{15}H_{12}O_4$ M 256.257

Tri-Me ether: [18493-30-6]. *1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, 9CI. 2',4,4'-Trimethoxychalcene, 8CI.* ***Metochalcone, INN.*** *Lesidrin. Versidril. CB1314. Acrobil. Cholesteril. Trimepaton. Numerous proprietary names.*
$C_{18}H_{18}O_4$ M 298.338
Choleretic, diuretic. Mp 97°.

Freudenberg, K. *et al*, *Chem. Ber.*, 1957, **90**, 957 (*synth*)
Guilleman, P., *Gaz. Hop. Civ. Mil.*, 1958, **130**, 215 (*pharmacol, tox*)
Kovalev, I.P. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 1670 (*ir*)
Batterham, T.J. *et al*, *Aust. J. Chem.*, 1964, **17**, 428 (*nmr*)
Lavrushin, V.F. *et al*, *Zh. Obshch. Khim.*, 1964, **34**, 13 (*polarog*)

1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one, 9CI D-00347

2',4'-Dihydroxychalcone, 8CI. 2,4-Dihydroxyphenyl styryl ketone
[1776-30-3]



$C_{15}H_{12}O_3$ M 240.258
Isol. from *Flemingia chappar* and *Ceratiola ericoides*. Anthelmintic. Yellow needles (EtOH/toluene). Mp 149-150°, 175°.
▷FL7020000.

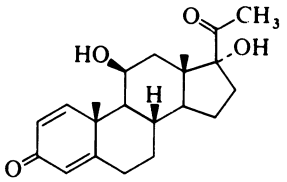
4'-Me ether: [39273-61-5].
$C_{16}H_{14}O_3$ M 254.285
Yellow needles (EtOH). Mp 105°.

Di-Me ether: [1154-77-4].
$C_{17}H_{16}O_3$ M 268.312
Yellow needles (EtOH). Mp 78°.

4'-(3-Methyl-2-butenyl)ether: [51619-65-9]. *Derricidin. Cordoin.*
$C_{20}H_{20}O_3$ M 308.376
Constit. of the root bark of *Derris sericea* and of *Cordoa piaca*. Yellow cryst. (MeOH). Mp 116°.

Saiyad, I.Z. *et al*, *J. Chem. Soc.*, 1937, 1737 (*synth*)
Jurd, L. *et al*, *J. Org. Chem.*, 1961, **26**, 2561 (*uv*)
Audier, H., *Bull. Soc. Chim. Fr.*, 1966, 2892 (*ms*)
Obara, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1969, **42**, 560 (*synth*)
Adityachaudhury, N. *et al*, *Tetrahedron*, 1971, **27**, 2111 (*uv, ir, isol, synth*)
do Nascimento, M.C. *et al*, *Phytochemistry*, 1972, **11**, 3023 (*Derricidin*)
Khanna, R.N. *et al*, *Indian J. Chem.*, 1973, **11**, 1225 (*Derricidin*)
Lupi, A. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 449 (*Cordoin*)
Fronczek, F.R. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 158 (*cryst struct*)

11,17-Dihydroxy-1,4-pregnadiene-3,20-dione D-00348



$C_{21}H_{28}O_4$ M 344.450

(11β,17α)-form [20423-99-8]
Deprodone, BAN, INN. *Desolone*
Corticosteroid. Mp 258-259°.

17-Propanoyl: [20424-00-4]. ***Deprodone propionate.*** *RD 20000.*
$C_{24}H_{32}O_5$ M 400.514
Antiinflammatory and antiallergic agent. Mp 228-229°. $[\alpha]_D$ +34° ($CHCl_3$).

U.S.P., 3 033 873, (*1962*); *CA*, **57**, 13844 (*synth*)
B.P., 1 159 490, (*1969*); *CA*, **71**, 81660 (*deriv*)
Fr. Pat., 2 255 079, (*1975*); *CA*, **84**, 122146 (*synth*)
Gonzalez, M.D. *et al*, *Org. Magn. Reson.*, 1984, **22**, 586 (*cmr*)
Gonzalez, M.D. *et al*, *Biomed. Mass Spectrom.*, 1985, **12**, 405 (*ms*)

17,21-Dihydroxy-4-pregnene-3,20-dione D-00349

$C_{21}H_{30}O_4$ M 346.466

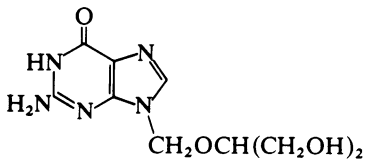
17α-form [152-58-9]
Cortodoxone, BAN, USAN, INN. *17-Hydroxydeoxycorticosterone. Cortexolone. Reichstein's Substance S. NSC 18317. SKF 3050*
Glucocorticoid. Antiinflammatory drug. Plates (Et_2O). Mp 207-208°, Mp 212.8-216.8°.
▷TU5011500.

21-Ac: [640-87-9].
$C_{23}H_{32}O_5$ M 388.503
Needles (Me_2CO). Mp 237.2-240.2°. $[\alpha]_D$ +114° (116°) (Me_2CO).

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1938, **21**, 1197 (*isol, synth*)
Gallagher, T.F. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3262 (*synth*)
Julian, P.L. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 5145 (*synth*)
Dupont, L. *et al*, *Acta Crystallogr.*, 1973, **29**, 205 (*cryst struct*)
Boar, R.B., *J. Chem. Soc., Perkin Trans. 1*, 1975, 1275 (*pmr*)
Gonzalez, M.D. *et al*, *Org. Magn. Reson.*, 1984, **22**, 586 (*cmr*)
Numazawa, M. *et al*, *J. Org. Chem.*, 1985, **50**, 81 (*synth*)

9-(1,3-Dihydroxy-2-propoxymethyl)guanine D-00350

2-Amino-1,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]-6H-purin-6-one, 9CI. 9-[[2-Hydroxy-1-(hydroxymethyl)ethoxy]methyl]-guanine. 2'-Nor-2'-deoxyguanosine. 2'-NDG. DHPG. ***Ganciclovir, BAN, INN, USAN.*** *RS 21592*
[82410-32-0]



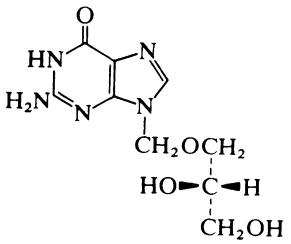
$C_9H_{13}N_5O_4$ M 255.233
Active against Herpes virus. Cryst. (H_2O). Mp >300°.
▷MF8407000.

Monohydrate: Mp 248-249° dec.

Ashton, W.T. *et al*, *Biochem. Biophys. Res. Commun.*, 1982, **108**, 1716 (*synth, uv, pmr, props*)
Martin, J.C. *et al*, *J. Med. Chem.*, 1983, **26**, 759 (*synth, uv, pmr, cmr, props*)
Matthews, T. *et al*, *Rev. Infect. Dis.*, 1988, **10**, S490 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19084.

9-(2,3-Dihydroxy-1-propoxymethyl)guanine D-00351

2-Amino-9-[(2,3-dihydroxypropoxy)methyl]-1,9-dihydro-6H-purin-6-one, 9CI



$C_9H_{13}N_5O_4$ M 255.233

(*S*)-*form* [96480-03-4]

Antiviral particularly against herpes simplex. Cryst. (H_2O). Mp 244-245° dec. $[\alpha]_D^{20}$ +1.5° (c, 2 in 0.1*M* NaOH). The (*R*)-form shows v. little antiviral activity.

Lin, T.-S. *et al*, *Tetrahedron Lett.*, 1984, **25**, 905 (*synth*)
Ashton, W.T. *et al*, *J. Med. Chem.*, 1985, **28**, 926 (*synth, uv, pmr, props*)
MacCoss, M. *et al*, *Tetrahedron Lett.*, 1985, **26**, 1815 (*synth*)

[2-[(2,3-Dihydroxypropyl)amino]-2-methylpropyl]urea D-00352

$HOCH_2CH(OH)CH_2NHC(CH_3)_2NHCONH_2$

$C_7H_{17}N_3O_3$ M 191.230

(±)-*form*

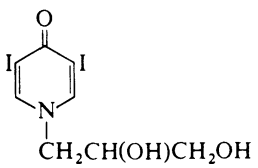
2-Fluorobenzoic acid ester: [87721-62-8]. ***Flestolol, INN.***
$C_{15}H_{22}FN_3O_4$ M 327.355
Antiadrenergic (β-receptor).

2-Fluorobenzoic acid, ester; B,H_2SO_4: [88844-73-9]. *Flestolol sulfate, USAN. ACC 9089.* Cryst. (EtOH). Mp 149-152°.

Kam, S.T. *et al*, *J. Med. Chem.*, 1984, **27**, 1007 (*synth, pharmacol*)
Pat. Coop. Treaty (WIPO), 85 04 581, (*1985*); *CA*, **104**, 95486r (*synth*)
Barton, S.D. *et al*, *J. Clin. Pharmacol.*, 1986, **26** (*Suppl. A*), 36 (*rev, pharmacol*)
Frishman, W.H. *et al*, *Med. Clin. North Am.*, 1988, **72**, 359 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18708.

N-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone, 9CI D-00353

Iopydol, *BAN, USAN, INN, JAN. NPP*



$C_8H_9I_2NO_3$ M 420.973

(±)-*form* [5579-92-0]

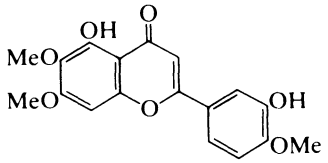
X-ray contrast medium. Mp 161°.

Ger. Pat., 579 224, (*1933*); *CA*, **27**, 4880
Fr. Pat., M1147, (*1962*); *CA*, **58**, 2650 (*use*)
Sugii, A. *et al*, *J. Pharm. Soc. Jpn.*, 1969, **89**, 1066.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1573.

3',5-Dihydroxy-4',6,7-trimethoxyflavone D-00354

5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-6,7-dimethoxy-4H-1-benzopyran-4-one, 9CI. *Eupatorin*

[855-96-9]



$C_{18}H_{16}O_7$ M 344.320

Cytotoxic flavone from *Eupatorium semiserratum, Baccharis trimera, Centaurea aggregata, Sideritis altissimum* etc. Emetic. Yellow prisms (EtOH or dioxan aq.), needles (dioxan). Mp 195-196°.

3'-Me ether:
$C_{19}H_{18}O_7$ M 358.347
Isol. from *E. altissimum* and *S. gomerae*. Needles (EtOH). Mp 188-190°.

Di-Ac:
$C_{22}H_{20}O_9$ M 428.395
Needles. Mp 176-177°.

Kupchan, S.M. *et al*, *J. Pharm. Sci.*, 1965, **54**, 929 (*isol, struct*)
Farkas, L. *et al*, *Chem. Ber.*, 1969, **102**, 112 (*synth*)
Kupchan, S.M. *et al*, *Tetrahedron*, 1969, **25**, 1603 (*isol, struct*)
Adams, J.A. *et al*, *Planta Med.*, 1977, **32**, 86 (*ms*)
Goudard, M. *et al*, *Phytochemistry*, 1979, **18**, 186 (*ms*)
Iinuma, M. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 708 (*cmr*)

5,7-Dihydroxy-3',4',6-trimethoxyflavone D-00355

2-(3,4-Dimethoxyphenyl)-5,7-dihydroxy-6-methoxy-4H-1-benzopyran-4-one, 9CI. *Eupatilin*

[22368-21-4]

$C_{18}H_{16}O_7$ M 344.320

Cytotoxic flavone from *Eupatorium semiserratum, Tanacetum vulgare* and *Liatris punctata*. Cryst. (EtOAc). Mp 234-236° (241-242°).

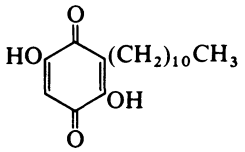
Di-Ac:
$C_{22}H_{20}O_9$ M 428.395
Cryst. (C_6H_6/pet. ether); needles (MeOH). Mp 154-155° (220-221°, 165-167°).

Kupchan, S.M. *et al*, Tet, 1969, **25**, 1603 (*isol, struct*)
Horie, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 3198 (*synth*)
Wagner, H. *et al*, *Chem. Ber.*, 1974, **107**, 1049 (*synth*)
Midge, M.D. *et al*, *Indian J. Chem.*, 1975, **13**, 541 (*synth*)
Goudard, M. *et al*, *Phytochemistry*, 1978, **17**, 145 (*ms*)

2,5-Dihydroxy-3-undecyl-1,4-benzoquinone D-00356

2,5-Dihydroxy-3-undecyl-2,5-cyclohexadiene-1,4-dione, 9CI. Embelin. Embelic acid

[550-24-3]



$C_{17}H_{26}O_4$ M 294.390

Constit. of *Embelia ribes*, E. *tsjersium-cottam*, *Ardisia humilis*, *Rapanea umbellata* and *Connarus ritchiei*. Anthelminthic, potent oral contraceptive. Orange cryst. (MeOH or hexane/EtOH). Insol. H_2O. Mp 145-146°.

▷DK4230000.

Di-Ac:

$C_{21}H_{30}O_6$ M 378.464

Yellow cryst. (MeOH aq.). Mp 54°, 59°.

Di-Me ether:

$C_{19}H_{30}O_4$ M 322.444

Cryst. (MeOH aq.). Mp 58°.

5-Me ether:

$C_{18}H_{28}O_4$ M 308.417

Yellow cryst. (hexane). Mp 95-96°.

2-Ac, 5-Me ether:

$C_{20}H_{30}O_4$ M 334.455

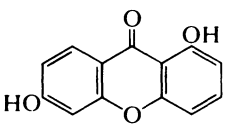
Yellow cryst. Mp 78°.

Fieser, L.F. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 71 (*synth*)
Natori, S. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 236 (*ir, uv*)
Dallacker, F. *et al*, *Chem. Ber.*, 1972, **105**, 614 (*synth*)
Desai, H.K. *et al*, *Indian J. Chem., Sect. B*, 1975, **13**, 97; 1977, **15**, 291 (*isol*)
Joshi, B.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 327 (*isol, ms, pmr*)
Thappa, R.K. *et al*, *Indian J. Pharm.*, 1976, **38**, 17 (*synth, pharmacol*)
Gupta, O.P. *et al*, *Indian J. Physiol. Pharmacol.*, 1977, **21**, 31 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 777.

1,6-Dihydroxyxanthone D-00357

1,6-Dihydroxy-9H-xanthen-9-one. Isoeuxanthone

[5042-08-0]



$C_{13}H_8O_4$ M 228.204

Has antineoplastic props. Yellow needles (EtOH aq.). Mp 258-259° (245-246°).

6-Me ether: [20081-71-4]. Yellow leaflets. Mp 143-144°.

6-Ac: [3722-95-0].

$C_{15}H_{10}O_5$ M 270.241

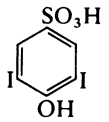
Mp 195°.

Locksley, H.D. *et al*, *J. Chem. Soc. (C)*, 1966, 430 (*synth*)
Finnegan, R.A. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 1896 (*synth*)
Chawla, H.M. *et al*, *Proc.-Indian Acad. Sci., Sect. A*, 1973, **78**, 141 (*ir*)
Finnegan, R.A. *et al*, *J. Pharm. Sci.*, 1973, **62**, 483 (*pharmacol*)
Westerman, P.W. *et al*, *Org. Magn. Reson.*, 1977, **9**, 631 (*nmr*)

3,5-Diiodo-4-hydroxybenzenesulfonic acid D-00358

Sozoiodolic acid. *Dijozol. Iodozol. Optojod. Ronozol. Sozojodol*

[554-71-2]



$C_6H_4I_2O_4S$ M 425.964

Wound disinfectant. Radiopaque medium. Needles + $3H_2O$. Mp 120°. Becomes anhydr. at 100°. Dec. at 190°.

Hg salt: [515-43-5]. *Anogon. Meriodine.*

$C_6H_2HgI_2O_4S$ M 624.538

Formerly used as antisyphilitic. Fine orange-yellow powder.

Rupp, E. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1916, **254**, 488 (*synth*)
Anders, H., *Apoth.-Ztg.*, 1951, **3**, 67 (*synth*)

Diiodomethanesulfonic acid D-00359

Dimethiodal

[76-07-3]

I_2CHSO_3H

$CH_2I_2O_3S$ M 347.894

Diagnostic aid (radioopaque medium).

Na salt: [124-88-9]. *Dimethiodal sodium, INN. Tenebryl. Intron. Dimetiodolum. Intramin. Urotrast.*

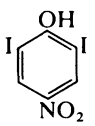
▷PB1960000.

Ger. Pat., 652 594, (*1937*); *CA*, **32**, 12948 (*synth, pharmacol*)

2,6-Diiodo-4-nitrophenol, 9CI D-00360

Anchilen V. Ancylol. Devonea. Disofen. ***Disophenol***

[305-85-1]



$C_6H_3I_2NO_3$ M 390.904

Vet. anthelmintic. Light-yellow feathery cryst. (AcOH). Mp 157°.

▷SL0750000.

Datta, R.L. *et al*, *J. Am. Chem. Soc.*, 1917, **39**, 446 (*synth*)
U.S.P., 3 081 224, (*1963*); *CA*, **58**, 13732c (*synth, use*)
Fowler, J.S., *Br. Vet. J.*, 1971, **127**, 304 (*tox*)
Liao, J.T.F. *et al*, *Vet. Hum. Toxicol.*, 1980, **22**, 315 (*rev, pharmacol*)
Hadjiarapoglou, L. *et al*, *J. Chem. Res. (S)*, 1983, 50 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1080.

9,10-Diiodooctadecanoic acid D-00361

9,10-Diiodostearic acid

$H_3C(CH_2)_7CH(I)CH(I)(CH_2)_7COOH$

$C_{18}H_{34}I_2O_2$ M 536.274

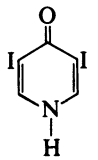
Opthalmologic.

Ca salt: Mikol.
Et ester: [7008-02-8]. ***Iodetryl, INN.*** *Angiopac. Jodetrylum. Vasoselectan.*
$C_{20}H_{38}I_2O_2$ M 564.328
Diagnostic aid (radiopaque medium).

Tagliaferro, A., *CA*, 1953, **47**, 2432g (*use*)
Baronchelli, A., *CA*, 1955, **49**, 13528c (*metab*)
Japan. Pat., 70 27 085, (*1970*); *CA*, **74**, 53064h (*synth, Ca salt*)

3,5-Diiodo-4(1*H*)-pyridinone, 9CI D-00362

Iopydone, BAN, USAN, INN, JAN. *DJP*
[5579-93-1]

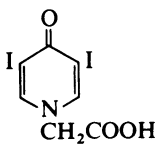


$C_5H_3I_2NO$ M 346.894
X-ray contrast medium. Mp 321° dec.
▷UV1146600.

Dohrn, M. *et al*, *Justus Liebigs Ann. Chem.*, 1932, **494**, 284.
Baker, W. *et al*, *J. Soc. Chem. Ind. London*, 1943, **62**, 189 (*synth*)
Klingsberg, E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 2373 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1574.

3,5-Diiodo-4-pyridone-1-acetic acid D-00363

3,5-Diiodo-4-oxo-1(4H)-pyridineacetic acid, 9CI, 8CI. Pelvirinic acid
[101-29-1]

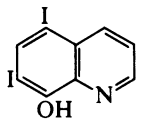


$C_7H_5I_2NO_3$ M 404.930
Diagnostic aid in contrast radiology. Mp 247° dec.
Diethanolamine salt (1:1): [300-37-8]. ***Iodopyracet.*** *Diodone, INN. Cardiotrast. Numerous proprietary names.* Urographic diagnostic aid. Powder. Mp 155-157° dec. Freq. used in ^{125}I- or ^{131}I-labelled form.
▷UR8750000.
N-*Methylglucamine salt (1:1):* [3736-90-1]. ***Diodone meglumine.*** *Other proprietary names.* Radioopaque medium.
2-Hydroxypropyl ester: [22940-77-8]. ***Oxypropyliodone.*** *Broncho-Abrodil-Flasche.*
$C_{10}H_{11}I_2NO_4$ M 463.010
Bronchographic diagnostic aid. Cryst. (EtOH). Mp 170-172°.
Propyl ester: [587-61-1]. ***Propyliodone, BAN, INN.*** *Bronchodiagnostin. Brosombra. Dionosil. Diostril. Propiodone. Propylix.*
$C_{10}H_{11}I_2NO_3$ M 447.011
Bronchographic diagnostic aid. Mp 186-187°.
▷UR8925000.

Dohrn, M. *et al*, *Justus Liebigs Ann. Chem.*, 1932, **494**, 284 (*synth*)
B.P., 517 382, (*1940*); *CA*, **35**, 7124 (*Propyliodone*)
Baker, W. *et al*, *J. Soc. Chem. Ind.*, 1943, **62**, 189 (*synth, props*)
Tomich, E.G. *et al*, *Br. J. Pharmacol.*, 1953, **8**, 166 (*Propyliodone*)
Busfield, D. *et al*, *Brit. J. Radiol.*, 1962, **35**, 815 (*pharmacol, tox*)
Chawla, B.S., *J. Pharm. Pharmacol.*, 1968, **20**, Suppl., 168 (*Propyliodone*)
Shanazarov, K.S. *et al*, *Khim.-Farm. Zh.*, 1968, **2**, 40; 1969, **3**, 21 (*esters*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 616 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1521, 1574, 1582.

5,7-Diiodo-8-quinolinol, 9CI, 8CI D-00364

8-Hydroxy-5,7-diiodoquinoline. ***Diiodohydroxyquinoline, INN, BAN.*** *Iodoquinol, USAN. Diodoquin. Embequin. Floraquin. Numerous proprietary names*
[83-73-8]

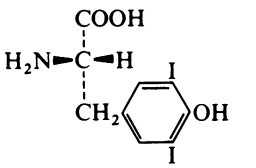


$C_9H_5I_2NO$ M 396.954
Prophylactic amoebicide, fungicide, often used as metal complexes. Used also as anal. reag. for cations. Cryst. (xylene). Mp ca. 214° dec.
▷Suspected carcinogen. VC5775000.

Papesch, V. *et al*, *J. Am. Chem. Soc.*, 1936, **58**, 1314 (*synth*)
Goodwin, L.G. *et al*, *Br. J. Pharmacol.*, 1948, **3**, 44 (*pharmacol*)
Das, A. *et al*, *J. Org. Chem.*, 1957, **22**, 1111 (*synth*)
Urbanyi, T. *et al*, *J. Pharm. Sci.*, 1966, **55**, 730 (*ir*)
Berggren, L. *et al*, *Clin. Pharmacol. Ther.*, 1968, **9**, 67 (*metab, tox*)
Barsode, C.D. *et al*, *J. Indian Chem. Soc.*, 1975, **52**, 942; 1976, **53**, 761 (*ms, pmr, ir*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1075 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4777.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1080.

3,5-Diiodotyrosine, 9CI D-00365

2-Amino-3-(4-hydroxy-2,5-diiodophenyl)propanoic acid. Iodogorgoic acid. Agontan. Apothyrin. Cemiod. Dityrin. Flaianina. Itir. Normotiroides
[66-02-4]



(S)-form
Absolute configuration

$C_9H_9I_2NO_3$ M 432.984
(R)-form [16711-71-0]
D-form
Needles (AcOH aq.). Mp 194° dec. $[\alpha]_D$ +2.75° (*N* HCl).
Anhydride: Mp 204° dec.
(S)-form [300-39-0]
L-form
Constit. of Thyroglobulin from the thyroid gland; intermed. in thyroxin biosynth. Found in skeletal proteins of corals, sponges and other marine organisms. Thyroid inhibitor. Used to treat Graves' disease and other disorders. Needles (H_2O or EtOH aq.). Mp 199-200° dec. (215° dec.). $[\alpha]_D^{28}$ +2.3° (c, 5.016 in 1.1N HCl), $[\alpha]_D^{28}$ −2.27° (25% NH_4OH). ^{125}I and ^{131}I labelled cpds. are used as radioactive agents.
B,HCl: Needles ($MeOH/Et_2O$). Mp 211° dec. Darkens at 208°.

Me ester:
$C_{10}H_{11}I_2NO_3$ M 447.011
Plates (EtOH). Mp 192° dec. Darkens at 186.5°.
N-tert-*Butoxycarbonyl:* Cryst. (EtOAc/pet. ether). Mp 187-189°. $[\alpha]_D^{24}$ −10.2° (c, 2 in DMF).

(±)-*form* [620-59-7]
Needles (EtOH aq.), plates (H_2O). Mp 195° (200°) dec.

Block, P. *et al, J. Am. Chem. Soc.*, 1943, **65**, 1430 (*synth*)
Srinivasan, M. *et al, J. Sci. Ind. Res., Sect. B*, 1954, **13**, 184; *CA*, **49**, 6879g (*synth*)
Tong, W. *et al, J. Biol. Chem*, 1954, **207**, 59 (*metab*)
Cody, V. *et al, J. Appl. Crystallogr.*, 1972, **5**, 140 (*cryst struct*)
Pitt-Rivers, R., *Horm. Protein Pept.*, 1978, **6**, 391 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9005.

Diisopromine, INN D-00366

N,N-*Bis(1-methylethyl)-γ-phenylbenzenepropanamine*, *9CI.* N,N-*Diisopropyl-3,3-diphenylpropylamine*
[5966-41-6]

$$Ph_2CHCH_2CH_2N[CH(CH_3)_2]_2$$

$C_{21}H_{29}N$ M 295.467
Choleretic and spasmolytic agent. $Bp_{0.1}$ 145-147°.
B,HCl: [24358-65-4]. *Agofell. Bilagol. Other proprietary names.* Cryst. Mp 175-176°.

B.P., 808 158, (*1959*); *CA*, **53**, 17972i (*synth*)
Leszkovsky, G. *et al, Acta Physiol. Acad. Sci. Hung.*, 1966, **29**, 283 (*pharmacol*)
Buczkowski, Z. *et al, Rocz. Chem.*, 1972, **46**, 1047 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3719.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6306 (*synonyms*)

2,6-Diisopropylphenol, 8CI D-00367

2,6-Bis(1-methylethyl)phenol, 9CI. **Propofol, *BAN, USAN, INN.*** *Disoprofol (obsol.). ICI 35868. Diprivan*
[2078-54-8]
$C_{12}H_{18}O$ M 178.274
Intravenous anaesthetic. Mp 19°. Bp_{30} 136°. n_D^{20} 1.5134.
▷SL0810000.
α-Naphthylurethane: Mp 163-164°.

Kolka, A.J. *et al, J. Org. Chem.*, 1956, **21**, 712 (*synth*)
Tsutsumi, S. *et al, Nippon Kagaku Zasshi*, 1956, **77**, 737; *CA*, **52**, 304b, 9005a (*synth*)
Shrewsbury, D.D., *Spectrochim. Acta*, 1960, **16**, 1294 (*ir*)
Pivcová, H. *et al, Collect. Czech. Chem. Commun.*, 1971, **36**, 1388 (*pmr*)
Krokhin, A.V. *et al, Izv. Akad. Nauk SSSR, Ser. Khim.*, 1975, 2334 (*ms*)
Healy, T.E.J. *et al, Postgrad. Med. J.*, 1985, **61**, Pt. 3 (*book*)
Reilly, C.S. *et al, Drugs*, 1987, **34**, 98 (*rev, props*)
Kanto, J.H., *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1988, **26**, 41 (*rev, pharmacol*)
White, P.F., *Semin. Anesth.*, 1988, **7**, 4 (*rev*)
Sadtler Standard Ultraviolet Spectra, 3227 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12677.

Diisopropyl phosphorofluoridate, 8CI D-00368

Bis(1-methylethyl) phosphorofluoridate, 9CI. Diisopropyl fluorophosphonate. Diisopropyl fluorophosphate. ***Dyflos, BAN.*** *Difluorophate. Diflupyl. Floropryl. Fluostigmine. Isoflurophate. Neoglaucit*
[55-91-4]

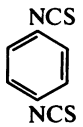
$$[(H_3C)_2CHO]_2P(O)F$$

$C_6H_{14}FO_3P$ M 184.147
Phosphorylating agent, ophthalmic cholinergic used to treat glaucoma, parasympathomimetic agent. Liq. Spar. sol. H_2O. d_4^{25} 1.06. Mp −82°. Bp_{25} 84-85°, Bp_5 46°. n_D^{20} 1.3814. Liq. hydrol. by moisture to HF. Stable in glass container at r.t.
▷Highly toxic, exp. carcinogen. TE5075000.

Saunders, B.C. *et al, J. Chem. Soc.*, 1948, 695 (*synth, tox*)
Ford-Moore, A.H. *et al, J. Chem. Soc.*, 1953, 1776 (*synth*)
Olah, G.A. *et al, J. Org. Chem.*, 1959, **24**, 1568 (*synth*)
Boter, H.L. *et al, Recl. Trav. Chim. Pays-Bas*, 1966, **85**, 1099 (*synth*)
Hudson, R.F. *et al, J. Chem. Soc. (B)*, 1969, 325.
Landau, M.A. *et al, Zh. Struckt. Khim.*, 1970, **11**, 513 (*Engl. transl.* p. 467) (*struct*)
Reddy, G.S. *et al, Z. Naturforsch, Part B*, 1970, **25**, 1199 (*F-19 and P-31 nmr*)
Nikitin, E.V. *et al, Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1980, **252**, 922 (*Engl. transl.* p. 442) (*synth, F-19 and P-31 nmr*)
Gordon, J.J. *et al, Arch. Toxicol.*, 1983, **52**, 71 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4514.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1667.

1,4-Diisothiocyanatobenzene, 9CI D-00369

Isothiocyanic acid p-*phenylene ester, 8CI. Phenylene-1,4-diisothiocyanate.* ***Bitoscanate, INN.*** *Biscomate. Jonit. Yonit. Hoe 16842. WM 842*
[4044-65-9]

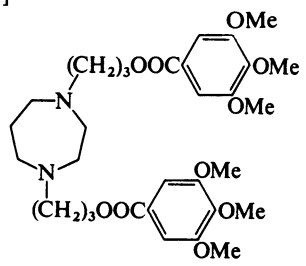


$C_8H_4N_2S_2$ M 192.253
Anthelmintic. Needles (Me_2CO). Mp 132°.
▷NX9150000.

Pohloudek-Fabini, R. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1960, **292**, 666 (*synth*)
Lieber, E. *et al, J. Org. Chem.*, 1962, **27**, 2214 (*synth*)
Kristian, P. *et al, Collect. Czech. Chem. Commun.*, 1965, **30**, 3658 (*synth, ir*)
Christ, O. *et al, Arzneim.-Forsch.*, 1970, **20**, 756 (*metab*)
Jucker, E. (*Ed.*), *Prog. Drug Res.*, 1975, **19**, 2 (*rev, pharmacol*)
Danihel, I. *et al, Chem. Zvesti*, 1984, **38**, 539 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 764.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2185.

Dilazep, INN D-00370

Tetrahydro-1H-1,4-diazepine-1,4(5H)-dipropanediyl 3,4,5-trimethoxybenzoate, 9CI. N,N′-*Bis[3-(3,4,5-trimethoxybenzoyloxy)propyl]homopiperazine. Biopropazepan bis(3,4,5-trimethoxybenzoate)*
[35898-87-4]



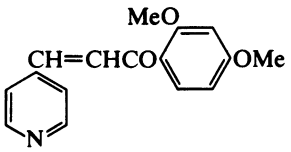
$C_{31}H_{44}N_2O_{10}$ M 604.696
Coronary vasodilator, antianginal agent.
B,2HCl: [20153-98-4]. *Comelian. Cormelian. Demicardio. Komerian. Labitan. Renvisol. Asta C 4898. CD 072. KI 2119. Ro 10-8910.* Monohydrate. Mp 194-198°.
▷DI0250000.

B.P., 1 107 470, (*1968*); *CA*, **69**, 59297e (*synth, pharmacol*)
Buyniski, J.P. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **181**, 522 (*pharmacol*)
Lenke, O. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 639 (*pharmacol, tox*)
Schaumlöffel, E. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1651 (*metab*)
Sano, N. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1893 (*pharmacol*)
Colli, S. *et al*, *Pharmacol. Res. Commun.*, 1983, **15**, 593 (*pharmacol*)
Paterson, A.R.P. *et al*, *Dev. Pharmacol.*, 1983, **2**, 203 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9224.

Dilmefone, INN D-00371

1-(2,4-Dimethoxyphenyl)-3-(4-pyridinyl)-2-propen-1-one, *9CI. 2',4'-Dimethoxy-3-(4-pyridyl)acrylophenone*

[37398-31-5]



$C_{16}H_{15}NO_3$ M 269.299

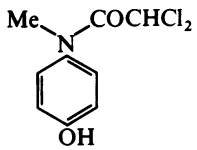
Drug for increasing capillary wall strength. Coronary vasodilator. Yellow cryst. (EtOH aq.). Mp 108°.

Fr. Pat., 2 081 591, (*1972*); *CA*, **77**, 126447 (*synth, pharmacol*)

Diloxanide, BAN, INN D-00372

2,2-Dichloro-N-(4-hydroxyphenyl)-N-methylacetamide, *9CI. 2,2-Dichloro-4'-hydroxy-N-methylacetanilide*, *8CI. Entamide. Amebamida. Ame-Boots. M. & B. 4453. RD 3803*

[579-38-4]



$C_9H_9Cl_2NO_2$ M 234.082

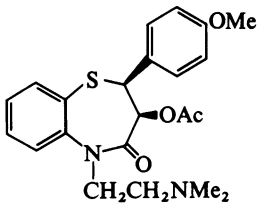
Amoebicide. Cryst. (EtOAc). Mp 175°.

Furoate: [3736-81-0]. ***Diloxanide furoate***. *Amebiazol. Diclofurazol. Furamide. Furentomin. Histomibal. Mebamide. Miforon. CB 8073.*
$C_{14}H_{11}Cl_2NO_4$ M 328.151
Amoebicide. Cryst. (EtOH aq.). Mp 112.5-114°.

B.P., 786 806, (*1957*); *CA*, **52**, 11921c (*synth*)
B.P., 855 556, (*1960*); *CA*, **58**, 12362 (*deriv*)
Main, P.T. *et al*, *Ann. Biochem. Expt. Med. Suppl.*, 1960, **20**, 441 (*pharmacol*)
Kidd, D.A.A. *et al*, *Br. J. Pharmacol.*, 1962, **18**, 128 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4799.

Diltiazem, BAN, INN D-00373

3-(Acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5H)-one, *9CI. Latiazem. Numerous proprietary names*



$C_{22}H_{26}N_2O_4S$ M 414.518

(2S,3S)-form [42399-41-7]

(+)-cis-*form*

Coronary vasodilator, calcium antagonist.

B,HCl: [33286-22-5]. *Diltiazem hydrochloride*, *USAN, JAN. Anginyl.* Insol. C_6H_6, sol. H_2O, MeOH, $CHCl_3$. Mp 187-188°.

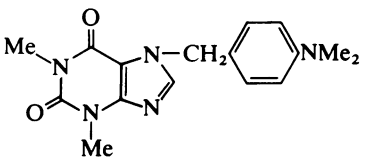
▷DL0310000.

Inoue, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 595 (*synth*)
McGraw, B.F. *et al*, *Drug Intell. Clin. Pharm.*, 1982, **16**, 366, 371 (*revs*)
Kojic-Prodic, B. *et al*, *Helv. Chim. Acta*, 1984, **67**, 916 (*synth, cryst struct, abs config*)
Chaffman, M. *et al*, *Drugs*, 1985, **29**, 387 (*rev, pharmacol*)
Hugenholtz, P.G., *Handb. Exp. Pharmacol.*, 1985, **76**, 459 (*rev, pharmacol*)
Echizen, H. *et al*, *Clin. Pharmacokinet.*, 1986, **11**, 425 (*rev, metab*)
Kendall, M.J. *et al*, *J. Clin. Hosp. Pharm.*, 1986, **11**, 159 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6555 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9225.

Dimabefylline, INN D-00374

7-[p-(Dimethylamino)benzyl]theophylline, *8CI. Anabron. Larcaphylline. LJ 278*

[1703-48-6]



$C_{16}H_{19}N_5O_2$ M 313.358

Antiasthmatic, bronchospasmolytic drug; cardiac stimulant. Mp 185.5°.

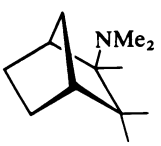
B,HCl: [1703-49-7]. Mp 167-168°.

Quevauviller, A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **166**, 398 (*tox, pharmacol*)
Fr. Pat., M5878, (*1968*); *CA*, **71**, 13145s (*synth, pharmacol, tox*)

Dimecamine, INN D-00375

N,N,2,3,3-Pentamethylbicyclo[2.2.1]heptan-2-amine, *9CI. N,N,2,3,3-Pentamethyl-2-norbornanamine. 2-Dimethylaminoisocamphane. Dimekamin*

[3570-07-8]



$C_{12}H_{23}N$ M 181.320

Ganglion blocking agent. Oily liquid. Bp_2 70-71°. n_D^{25} 1.4898.

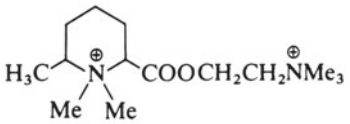
B,HCl: Cryst. (methylisobutyl ketone). Mp 173-174° dec.

B,HBr: Cryst. ($EtOH/Et_2O$). Mp 177-178°.

B.P., 804 879, (*1958*); *CA*, **53**, 18979i (*synth, props*)
Vejdelek, Z.J. *et al*, *Collect. Czech. Chem. Commun.*, 1959, **24**, 2614 (*synth*)
Blackman, J.G. *et al*, *Br. J. Pharmacol.*, 1964, **22**, 56 (*pharmacol*)

Dimecolonium(2+) D-00376

1,1,6-Trimethyl-2-[[(trimethylammonio)ethoxy]carbonyl]piperidinium, *9CI*. *2-Carboxy-1,1,6-trimethylpiperidinium(2-hydroxyethyl)trimethylammonium*, *8CI*



$C_{14}H_{30}N_2O_2^{\oplus\oplus}$ M 258.403 (ion)
Ganglion-blocking agent.

Diiodide: [3425-97-6]. *Dimecolonium iodide*, *INN*. *Dimecolin. Dimelin. OF 1299.*
$C_{14}H_{30}I_2N_2O_2$ M 512.212
Cryst. + $2H_2O$. Mp 198-200°.

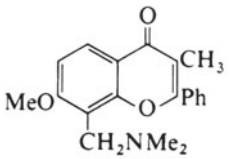
▷TN4721600.

Nikitskaya, E.S. *et al*, *Khim.-Farm. Zh.*, 1967, **1**, 48; *CA*, **67**, 64204k (*synth, pharmacol*)
Mashkovskii, M.O. *et al*, *Farmakol. Toksikol.*, 1974, **9**, 87 (*pharmacol*)

Dimefline, BAN, INN D-00377

8-[(Dimethylamino)methyl]-7-methoxy-3-methyl-2-phenyl-4H-1-benzopyran-4-one, *9CI*. *8-Dimethylaminomethyl-7-methoxy-3-methylflavone*

[1165-48-6]



$C_{20}H_{21}NO_3$ M 323.391
Respiratory stimulant.

▷LK8400000.

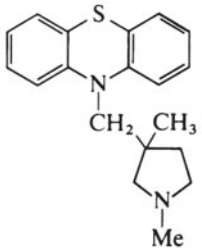
B,HCl: Dimefline hydrochloride, *USAN*, *JAN*. *Reanimil. Remeflin. DW 62. NSC 114650. Rec 7-0267.* Cryst. ($EtOH/Et_2O$). Mp 213-214° dec.

Da Re, P. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 800 (*synth*)
Setnikar, I. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 1109 (*pharmacol*)
Setnikar, I. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1964, **147**, 543 (*pharmacol*)
Scanni, A. *et al*, *Boll. Chim. Farm.*, 1977, **116**, 353 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1420.

Dimelazine, INN D-00378

10-[(1,3-Dimethyl-3-pyrrolidinyl)methyl]-10H-phenothiazine, *9CI*. *Diprothazinum. Mepyrrotazinum. B 1250*

[15302-12-2]



$C_{19}H_{22}N_2S$ M 310.456

(±)-*form*
Sedative, antihistaminic agent. Mp 100-101°. $Bp_{0.04}$ 168-173°.

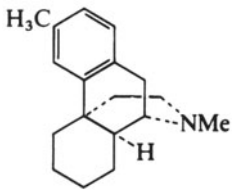
B,HCl: Mp 185-187°.

B.P., 917 817, (*1963*); *CA*, **59**, 1655b
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12656.

Dimemorfan, INN D-00379

3,17-Dimethylmorphinan, *9CI*. *AT-17*

[36309-01-0]



$C_{18}H_{25}N$ M 255.402
Antitussive.

(+)-*form*
Prisms (Me_2CO). Mp 90-93°. $[\alpha]_D^{20}$ +52.0° (c, 1.0 in MeOH).

B,HBr: Cryst. Mp 213-216°. $[\alpha]_D^{24}$ +26.8° (c, 1.1 in MeOH).

Phosphate: [36304-84-4]. *At 17. Astomin. Gentus.* Bitter-tasting cryst. Sl. sol. H_2O, MeOH, insol. Me_2CO, EtOH, $CHCl_3$, Et_2O. Mp 267-269°. $[\alpha]_D^{23}$ +25.7° (c, 0.5 in MeOH).

▷QC7696000.

(−)-*form*
Cryst. (Me_2CO). Mp 92-93°. $[\alpha]_D^{20}$ −49.7° (c, 0.9 in MeOH).

(±)-*form*
Cryst. (Me_2CO). Mp 53-56°.

Murakami, M. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1706 (*synth, deriv, pmr, ms, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5615.

Dimenoxadole, BAN D-00380

α-Ethoxy-α-phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester, *9CI*. *2-Dimethylaminoethyl α-ethoxy-α,α-diphenylacetate. Aestocin. Estocin. Lokarin. Propalgyl.* ***Dimenoxadol, INN.*** *NIH 7577. AD 67*

[509-78-4]

$EtOCPh_2COOCH_2CH_2NMe_2$

$C_{20}H_{25}NO_3$ M 327.422

Analgesic and antitussive agent. Pale-yellow oil. Bp_6 185°.

B,HCl: [2424-75-1]. Needles. Mp 170-172°.

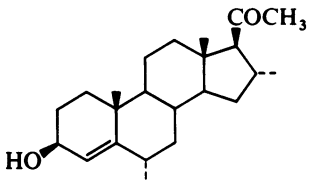
▷AH2790000.

Klosa, J., *Arch. Pharm.* (*Weinheim, Ger.*), 1955, **288**, 42 (*synth*)
Doyle, F.P. *et al*, *J. Med. Chem.*, 1965, **8**, 571 (*synth, pharmacol*)
Liberman, S.S., *Farmakol. Toksikol.* (*Moscow*), 1968, **31**, 668 (*pharmacol*)
Yakhontov, L.N. *et al*, *Khim.-Farm. Zh.*, 1974, **8**, 56 (*synth, props*)

Dimepregnen, BAN, INN D-00381

3β-Hydroxy-6α,16α-dimethyl-4-pregnen-20-one, 8CI. St 1411

[21208-26-4]



$C_{23}H_{36}O_2$ M 344.536

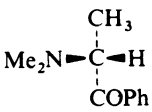
Antioestrogen. Mp 131-134°. $[\alpha]_D$ +90.7° (dioxan).

B.P., 1 130 115, (*1968*); *CA*, **70**, 38002k (*synth*)

Dimepropion, BAN D-00382

*2-(Dimethylamino)-1-phenyl-1-propanone, 9CI. α-Dimethylaminopropiophenone. **Metamfepramone, INN**. Effilone. Medulor. Metamfepyramone. MG 559*

[15351-09-4]



(R)-form Absolute configuration

$C_{11}H_{15}NO$ M 177.246

▷UH0539900.

(R)-form [65528-82-7]

Oil. $[\alpha]_D^{20}$ +66° (neat) (calcd).

(S)-form [35026-77-8]

$[\alpha]_D^{26}$ −60°.

B,HCl: Prisms. Mp 197-199°. $[\alpha]_D^{26}$ −52.5°.

(±)-form [65331-01-3]

Anorexic and analeptic agent. Oil. Bp_{13} 126°.

B,HCl: Mp 202-204°.

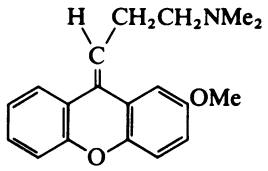
Picrate: Yellow needles (MeOH). Mp 128-130°.

Eidebenz, E., *Arch. Pharm.* (*Weinheim, Ger.*), 1942, **280**, 49 (*synth*)
Takamatsu, H., *J. Pharm. Soc. Jpn.*, 1956, **76**, 1219; *CA*, **51**, 4303 (*resoln*)
Audoye, P. *et al*, *Org. Mass. Spectrom.*, 1975, **10**, 669 (*ms*)
Gaset, A., *Spectrochim. Acta, Ser. A*, 1975, **31**, 727 (*ir, pmr*)
Yamamoto, K. *et al*, *Chem. Lett.*, 1977, 1115 (*resoln, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1476.

Dimeprozan, INN D-00383

3-(2-Methoxy-9H-xanthen-9-ylidene)-N,N-dimethyl-1-propanamine, 9CI. 2-Methoxy-N,N-dimethyl-Δ9,γ-xanthenepropylamine, 8CI

[6538-22-3]



$C_{19}H_{21}NO_2$ M 295.380

Tranquilliser.

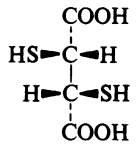
B,HCl: Mp 173-177°.

B.P., 834 143, (*1960*); *CA*, **54**, 24812b (*synth, pharmacol*)
Bonvicino, G.E. *et al*, *J. Org. Chem.*, 1961, **26**, 2383 (*synth, pharmacol*)

2,3-Dimercaptobutanedioic acid, 9CI D-00384

2,3-Dimercaptosuccinic acid, 8CI. Dithiotartaric acid

[2418-14-6]



(2R,3R*)-form*

$C_4H_6O_4S_2$ M 182.209

Poison antidote, complexing agent.

▷WM7640000.

(2R*,3R*)-form [10008-75-0]

(+)-threo-*form*

Prisms. Mp 124-125°. $[\alpha]_D^{22}$ +28° (c, 1 in Et_2O).

▷WM7645000.

(2S*,3S*)-form

(−)-threo-*form*

Fine needles (EtOAc/pet. ether). Mp 124-125°. $[\alpha]_D^{22}$ −128° (c, 1 in Et_2O).

(2RS,3RS)-form

(±)-threo-*form*

Mp 127-128°.

Di-Me ester:

$C_6H_{10}O_4S_2$ M 210.263

Cryst. (isopropyl ether). Mp 71-72°.

Di-S-Ac:

$C_8H_{10}O_6S_2$ M 266.283

Mp 150-151°. Must be recryst. <50°.

(2RS,3SR)-form [304-55-2]

erythro-*form*. meso-*form*. ***Succimer, INN, USAN***. *DIMSA. DMS. DMSA. DTS. MPI-DMSA. Ro 1-7977*

Antidote for heavy metal poisoning, diagnostic aid. Cryst. (EtOAc). Mp 210-211° (dec., dependent on rate of heating).

▷WM7650000.

Di-Me ester: Platelets. Mp 91-92°.

Di-S-Ac: Mp 183-185°.

Di-Ac, di-Me ester:

$C_{10}H_{14}O_6S_2$ M 294.337

Mp 119-120°.

Di-S-Me, di-Me ester:

$C_8H_{14}O_4S_2$ M 238.316

Cryst. (MeOH). Mp 111-112°.

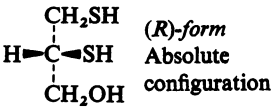
B.P., 908 986, (*1960*); *CA*, **58**, 5693f (*synth, pharmacol*)
Cannava, A. *et al*, *Arch. Int. Pharmacodyn.*, 1961, **131**, 283 (*pharmacol*)

Gerecke, M. *et al*, *Helv. Chim. Acta*, 1961, **44**, 955 (*synth, resoln, config*)
Aposhian, H.V., *Annu. Rev. Pharmacol. Toxicol.*, 1983, **23**, 193 (*activity*)
McGown, E.L. *et al*, *Proc. West. Pharmacol. Soc.*, 1984, **27**, 169 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1058.

2,3-Dimercapto-1-propanol, 9CI D-00385

3-Hydroxy-1,2-propanedithiol. 1,2-Dithioglycerol. British anti-lewisite. ***Dimercaprol,*** *BAN, USAN,* ***INN****. Ametoxin. Antoxol. Balistab. Balonk. Dimersol. Panobal. Sulfactin. BAL*

[59-52-9]



(*R*)-form
Absolute configuration

$C_3H_8OS_2$ M 124.216

Used in conjunction with Benzoic acid, B-00092 .

▷Highly irritant. UB2625000.

(R)-form [16495-08-2]

Oil. $Bp_{0.1}$ 65°. $[\alpha]_D^{21}$ −9.6° (c, 7 in MeOH), $[\alpha]_D^{25}$ +3.0° (c, 9 in $CHCl_3$).

Benzyl ether: [16495-07-1].

$C_{10}H_{14}OS_2$ M 214.340

Oil. $Bp_{0.0005}$ 93-95°. $[\alpha]_D^{25}$ −7.6° (c, 1.5 in $CHCl_3$).

(S)-form [16495-16-2]

Oil. $Bp_{0.1}$ 65°. $[\alpha]_D^{25}$ +9.6° (c, 6 in MeOH).

Benzyl ether: [16495-15-1].

$C_{10}H_{14}OS_2$ M 214.340

Oil. $Bp_{0.1}$ 93-96°. $[\alpha]_D^{26}$ +7.2° (c, 10 in $CHCl_3$).

(±)-form

Antidote to heavy metal poisoning. Oil. d^{20} 1.246. $Bp_{0.8}$ 82-84°. n_D^{20} 1.5749.

1,2-Di-Ac:

$C_7H_{12}O_3S_2$ M 208.290

Oil. $Bp_{0.05}$ 120°.

3-Me ether: [58950-98-4]. *3-Methoxy-1,2-propanedithiol.*

$C_4H_{10}OS_2$ M 138.242

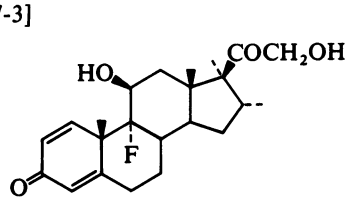
Oil. Bp_1 68°.

Fraser, J.B. *et al*, *Biochem. J.*, 1947, **41**, 328 (*rev*)
Stocken, L.A., *J. Chem. Soc.*, 1947, 592 (*synth*)
Anisuzzaman, A.K.M. *et al*, *J. Chem. Soc.* (*C*), 1967, 1021 (*synth, abs config*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1036.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 343.

Dimesone, BAN, INN D-00386

9α-Fluoro-11β,21-dihydroxy-16α,17-dimethylpregna-1,4-diene-3,20-dione, 9CI

[25092-07-3]



$C_{23}H_{31}FO_4$ M 390.494

Glucocorticoid. Antiinflammatory drug.

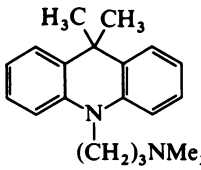
21-Ac: [15042-30-5]. Cryst. (Me_2CO/pet. ether). Mp 228-230°. $[\alpha]_D^{25}$ +50° (c, 0.3 in $CHCl_3$).

U.S.P., 3 483 236, (*1969*); *CA*, **72**, 44020x (*synth*)
Schaub, R.E. *et al*, *J. Med. Chem.*, 1967, **10**, 789 (*deriv*)

Dimetacrine, INN D-00387

N,N,*9,9-Tetramethyl-10(9H)-acridinepropanamine, 9CI. 10-[3-(Dimethylamino)propyl]-9,9-dimethylacridan, 8CI. Acripramine. Dimethacrine*

[4757-55-5]



$C_{20}H_{26}N_2$ M 294.439

Antidepressant. Bp_1 200°. Used mainly as tartrate.

▷AR6973200.

B,HCl: Cryst. (EtOH/Me_2CO). Mp 151-154°.

Tartrate (1:1): [3759-07-7]. *Isotonil. Istonil. Linostil. Miroistonil. HK 5031.* SD *709.* Antidepressant. Mp 155-156°.

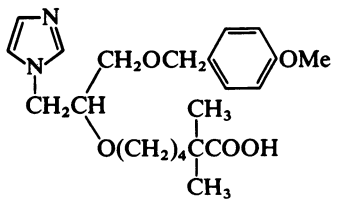
▷AR9275000.

Molnar, I. *et al*, *Helv. Chim. Acta*, 1965, **48**, 1782 (*synth*)
Schatz, F. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 862 (*pharmacol*)
Blackwell, B. *et al*, *Psychopharmacologia*, 1972, **25**, 205 (*pharmacol*)
Neye, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1978, **311**, 1042; 1979, **312**, 2 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2511.

Dimetagrel, INN D-00388

6-[2-(1H-Imidazol-1-yl)-1-[[(4-methoxyphenyl)-methoxy]methyl]ethoxy]-2,2-dimethylhexanoic acid, 9CI. SC 41156

[91304-04-0]



$C_{22}H_{32}N_2O_5$ M 404.505

(S)-form [109837-89-0]

Oil. $[\alpha]_D^{20}$ +38.7° (EtOH).

(±)-form [109786-78-9]

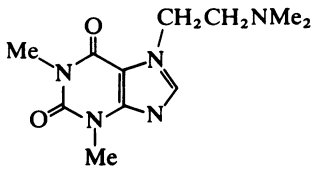
Antithrombotic. Platelet aggregation inhibitor. Cryst. (EtOAc/Et_2O). Mp 69-70°.

Manley, P.W. *et al*, *J. Med. Chem.*, 1987, **30**, 1812 (*synth, pharmacol*)

Dimethazan, INN D-00389

7-(2-Dimethylaminoethyl)theophylline. Elidin

[519-30-2]



$C_{11}H_{17}N_5O_2$ M 251.288

Antidepressant, diuretic. Mp 95°.

B,HCl: Mp 260°.

Klosa, J., *Arch. Pharm. (Weinheim, Ger.)*, 1955, **288**, 301 (*synth*)
Balatre, P. *et al*, *Therapie*, 1956, **11**, 1146 (*pharmacol*)

Dimethicone, BAN D-00390

Dimeticone, INN. *Poly(dimethyl siloxane)*

[9006-65-9]

Antifoaming agent, water repellent. Antiflatulent. Component of Altacaps, Cobadex, Diovol, Siloxyl and Vasogen.

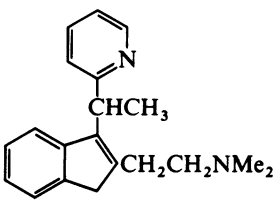
Mixt. with silicon dioxide: [8050-81-5]. ***Simethicone, USAN.*** *Mylicon. Silain.* Viscous oil. d 0.965-0.970. Component of Gelusil, Mylanta and Tricone.

Ger. Pat., 2 057 239, (*1971*); *CA*, **75**, 91 323v (*synth, pharmacol*)
Cox, H.L.M. *et al*, *Pharm. Weekbl.*, 1976, **111**, 973 (*activity*)
Grape, W., *Parfuem. Kosmet.*, 1986, **67**, 326 (*manuf, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6427.

Dimethindene, BAN D-00391

N,N-Dimethyl-3-[1-(2-pyridinyl)ethyl]-1H-indene-2-ethanamine, 9CI. 2-[1-[2-(2-Dimethylaminoethyl)inden-3-yl]ethyl]pyridine, 8CI. Dimethpyrindene. Dimethylpyrindene. ***Dimetindene, INN***

[5636-83-9]



$C_{20}H_{24}N_2$ M 292.423

▷UT0800000.

(+)-*form*

Maleate: Mp 130-132°. $[\alpha]_D^{26}$ +125.7° (H_2O).
Tartrate: $[\alpha]_D^{22}$ +113.9° (EtOH), +78.6° (H_2O).

(−)-*form*

The more active enantiomer.

Maleate: Mp 128-130°. $[\alpha]_D^{26}$ −166.8° (EtOH).
Tartrate: Mp 142-143°. $[\alpha]_D^{27}$ −77.8° (H_2O).

(±)-*form*

Antihistaminic, antipruritic agent. Oil. $Bp_{0.5}$ 165-175°.

Maleate (1:1): [3614-69-5]. *Dimethindene maleate, USAN. Dimetindene maleate, JAN. Forhistal. Foristal. Triten. NSC 107677. Su 6518. Z 822. Fenestil. Fenostil.* Mp 159-161°.

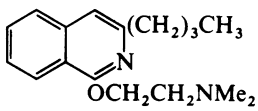
▷UT0830000.

Huebner, C.F. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2077 (*synth*)
Barrett, W.E. *et al*, *Toxicol. Appl. Pharmacol.*, 1961, **3**, 534 (*pharmacol*)
U.S.P., 3 060 186, (*1962*); *CA*, **58**, 5642c (*synth, resoln*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Guillerm, R., *Arzneim.-Forsch.*, 1974, **24**, 1350 (*pharmacol*)
Siek, T.J. *et al*, *J. Forensic Sci.* 1976, **21**, 525 (*uv*)
Meszaros, J. *et al*, *Experientia*, 1983, **39**, 400 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6129.

Dimethisoquin, BAN D-00392

2-[(3-Butyl-1-isoquinolinyl)oxy]-N,N-dimethylethanamine, 9CI. 3-Butyl-1-[2-(dimethylamino)ethoxy]-isoquinoline, 8CI. ***Quinisocaine, INN***

[86-80-6]



$C_{17}H_{24}N_2O$ M 272.389

Topical antipruritic and anaesthetic. Bp_3 155-157°. n_D^{20} 1.5486.

B,HCl: [2773-92-4]. *Isochinol. Pruralgan. Pruralgin. Quotane. SKF 538A.* Off-white powder. Insol. Et_2O, sol. H_2O, EtOH, $CHCl_3$. Mp 144-148°.

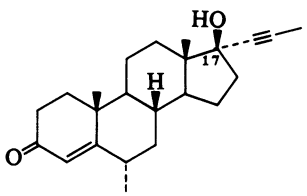
▷NW6950000.

Wilson, J.W. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 937 (*synth, props*)
Fellows, E.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1951, **103**, 306 (*pharmacol*)
Robinson, M.M., *Southern Med. J.*, 1957, **50**, 367 (*props*)
Schmidt, J.L. *et al*, *Toxicol. Appl. Pharmacol.*, 1959, **1**, 454 (*tox*)
Eloy, F. *et al*, *Chim. Ther.*, 1969, **4**, 469 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7622.

Dimethisterone, BAN, USAN, INN D-00393

17β-Hydroxy-6α,21-dimethyl-4-pregnen-20-yn-3-one. Dimethylethisterone. Lutagan. Secrosteron. MJ 5048. P 5048

[79-64-1]



$C_{23}H_{32}O_2$ M 340.505

Progestin. Cryst. Mp 102°. $[\alpha]_D^{20}$ +10° ($CHCl_3$).

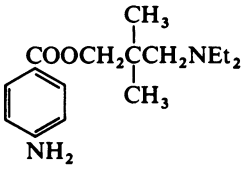
▷BV8510000.

Barton, D.H.R. *et al*, *J. Chem. Soc.*, 1959, 1957.
U.S.P., 2 939 819, (*1960*); *CA*, **54**, 22728 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9038.

Dimethocaine D-00394

3-(Diethylamino)-2,2-dimethyl-1-propanol 4-aminobenzoate ester, 9CI. Laracaine

[94-15-5]



$C_{16}H_{26}N_2O_2$ M 278.394

Local anaesthetic, more active than cocaine.

▷UB1575000.

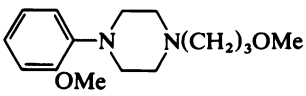
B,HCl: [553-63-9]. Minute cryst. or powder, or fine leaflets. Sol. H_2O, spar. sol. EtOH, Et_2O. Mp 196-197°. Bitter taste.

Mannich, C. *et al, Ber.*, 1932, **65**, 378 (*synth*)
Buechi, J. *et al, Arzneim.-Forsch.*, 1966, **16**, 1657 (*use*)
Neville, G.A., *Can. Spectrosc.*, 1969, **14**, 44 (*pmr*)

Dimetholizine, INN D-00395

1-(2-Methoxyphenyl)-4-(3-methoxypropyl)piperazine, 9CI

[7008-00-6]



$C_{15}H_{24}N_2O_2$ M 264.367

Antihypertensive, antihistaminic agent. $Bp_{0.1}$ 138°.

B,HCl: Mp 155-158°.

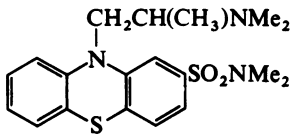
Phosphate: [13980-98-8]. *HT 1479.* Mp 143-144°.

Morphis, B.B. *et al, Proc. Soc. Exp. Biol. Med.*, 1959, **101**, 174 (*pharmacol*)
U.S.P., 2 891 063, (*1959*); *CA*, 1959, **53**, 22028b (*synth, pharmacol*)

Dimethothiazine, BAN D-00396

10-[2-(Dimethylamino)propyl]-N,N-dimethyl-10H-phenothiazine-2-sulfonamide, 9CI. ***Dimetotiazine, INN.*** *Fonazine. Other proprietary names*

[7456-24-8]



$C_{19}H_{25}N_3O_2S_2$ M 391.545

▷SP5250000.

(±)-form

Drug used for treatment of migraine. Antihistamine and serotonin inhibitor. Mp 44-48°.

B,HCl: [34396-64-0]. Mp 214° dec.

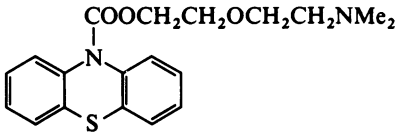
B,MeSO$_3$H: [7455-39-2]. *Fonazine mesylate, USAN. Dimetotiazine mesilate, JAN.* Sol. H_2O, EtOH, spar. sol. $CHCl_3$, insol. Et_2O. Mp 178-182°.

B.P., 814 512, (*1959*); *CA*, **53**, 22025d (*synth*)
Kiger, J.L. *et al, Ann. Pharm. Fr.*, 1965, **23**, 489 (*anal*)
Julou, L. *et al, Arch. Int. Pharmacodyn. Ther.*, 1966, **159**, 70; 1968, **171**, 449 (*pharmacol, metab*)
De Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5404 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6130.

Dimethoxanate, BAN, INN D-00397

10H-Phenothiazine-10-carboxylic acid 2-[2-(dimethylamino)ethoxy]ethyl ester, 9CI. Phenothiazine-10-carboxylic acid 2-[2-(dimethylamino)ethoxy]ethyl ester, 8CI. Atuss. Cotrane. Egotux. Metaxan. Perlatos. Toa. Toxanon. Tussidin. Tussizid

[477-93-0]



$C_{19}H_{22}N_2O_3S$ M 358.454

Antitussive.

B,HCl: [518-63-8]. *Cothera.* Cryst. (Me_2CO or MeOH). Mp 161-163° dec.

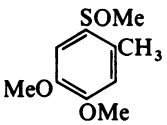
▷SN7525000.

Weston, A.W. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4006 (*synth*)
Boissier, J.R. *et al, Therapie*, 1960, **15**, 97 (*pharmacol*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Savini, E.C. *et al, Therapie*, 1968, **23**, 491 (*pharmacol*)
De Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5616.

(4,5-Dimethoxy-2-methylphenyl) methyl sulfoxide D-00398

1,2-Dimethoxy-4-methyl-5-(methylsulfinyl)benzene, 9CI. ***Tolmesoxide, BAN, INN.*** *RX 71107*

[38452-29-8]



$C_{10}H_{14}O_3S$ M 214.279

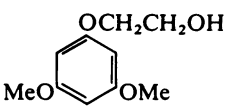
Antihypertensive agent. Mp 92-93°.

B.P., 1 337 576, (*1973*); *CA*, **80**, 95494c (*synth*)
Doxey, J.C. *et al, Br. J. Pharmacol.*, 1978, **63**, 111 (*pharmacol*)
Greenslade, D. *et al, Xenobiotica*, 1981, **11**, 89 (*metab*)
Scheen, A. *et al, Arch. Int. Pharmacodyn. Ther.*, 1981, **251**, 322 (*pharmacol*)
Clifford, J.M. *et al, Br. J. Clin. Pharmacol.*, 1982, **13**, 270P (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13360.

2-(3,5-Dimethoxyphenoxy)ethanol, 8CI D-00399

Floverine, INN. *Irabil. LL 1452*

[27318-86-1]



$C_{10}H_{14}O_4$ M 198.218

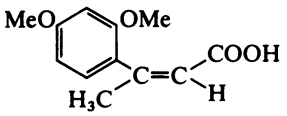
Spasmolytic agent. Cryst. (EtOH). Mp 57°.

Ger. Pat., 1 944 972, (*1970*); *CA*, **73**, 14464y (*synth, tox, pharmacol*)

3-(2,4-Dimethoxyphenyl)-2-butenoic acid, 9CI D-00400

2,4-Dimethoxy-β-methylcinnamic acid, 8CI. 3-(2,4-Dimethoxyphenyl)crotonic acid. ***Dimecrotic acid, INN***

[7706-67-4]



$C_{12}H_{14}O_4$ M 222.240

(Z)-(?)-form [54283-64-6]

Choleretic, spasmolytic agent. Mp 149°.

Mg salt: [54283-65-7]. *Hepadial. Fisiobil.* Mp 135°.

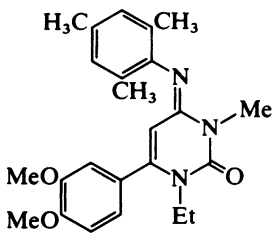
Ger. Pat., 1 915 023, (*1969*); *CA*, **72**, 66630y (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3720.

6-(3,4-Dimethoxyphenyl)-1-ethyl-3,4-dihydro-3-methyl-4-[(2,4,6-trimethylphenyl)imino]-2(1*H*)-pyrimidinone, 9CI D-00401

FK 644

[94936-90-0]



$C_{24}H_{29}N_3O_3$ M 407.511

Orally effective cardiotonic agent.

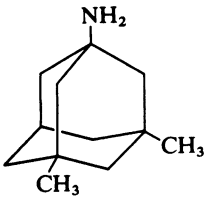
Eur. Pat., 166 564, (*1986*); *CA*, **104**, 186443 (*synth*)

Miyame, A. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1619 (*cryst struct*)

3,5-Dimethyl-1-adamantanamine, 8CI D-00402

3,5-Dimethyltricyclo[3.3.1.1^{3,7}]decan-1-amine, 9CI. 1-Amino-3,5-dimethyladamantane. Akatinol. ***Memantine, INN.*** *D145*

[19982-08-2]



$C_{12}H_{21}N$ M 179.305

Serotoninergic agent, antiparkinsonian agent.

B,HCl: [41100-52-1].

U.S.P., 3 391 142, (*1968*); *CA*, **69**, 59281v (*synth, pharmacol*)

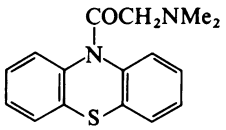
Maj, J. *et al*, *Eur. J. Pharmacol.*, 1974, **26**, 9 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4550.

10-[(Dimethylamino)acetyl]-10*H*-phenothiazine, 9CI D-00403

10-(N,N-Dimethylglycyl)phenothiazine, 8CI. ***Dacemazine, INN.*** *Ahistan. Histantine*

[518-61-6]



$C_{16}H_{16}N_2OS$ M 284.375

Antihistam[illegible] [illegible]g. Cryst. (EtOH). Mp 149-150°.

▷SO9240000.

B,HCl: Cryst. (EtOH/pet. ether). Mp 230° dec.

Di-tert-butylnaphthalenesulfonate (1:1): [27176-90-5]. *Codopectyl.* Spasmolytic and antitussive agent.

Ekstrand, T. *et al*, *Acta Chem. Scand.*, 1951, **5**, 102 (*synth, pharmacol*)

Kano, H. *et al*, *CA*, 1958, **52**, 10094i (*synth*)

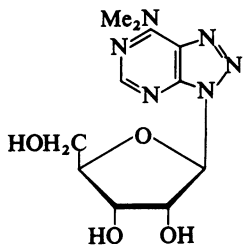
Wassermann, N. *et al*, *Rev. Chim.*, 1959, **10**, 81 (*synth*)

Fr. Pat., M 5 765, (*1968*); *CA*, **70**, 90751 (*salt*)

6-Dimethylamino-8-azaadenosine D-00404

N,N-Dimethyl-3-β-D-ribofuranosyl-3H-1,2,3-triazolo[4,5-d]pyrimidin-7-amine, 9CI

[38874-44-1]



$C_{11}H_{16}N_6O_4$ M 296.285

Shows antitumour activity. Mp 216°.

Andrews, K.J.M. *et al*, *J. Chem. Soc.*, 1958, 2768 (*synth*)

Hutzenlaub, W. *et al*, *J. Med. Chem.*, 1972, **15**, 879 (*synth*)

4-(Dimethylamino)benzoic acid, 9CI D-00405

[619-84-1]

$C_9H_{11}NO_2$ M 165.191

Cryst. (EtOH aq.). Mp 242.5-243.5°.

▷DG8735000.

Me ester: [1202-25-1].

$C_{10}H_{13}NO_2$ M 179.218

Cryst. (EtOH). Mp 102°. Bp 304-305°.

2-Methylhexyl ester: [21245-02-3]. ***Padimate O, USAN.*** *Escalol 507. Arlatone 507.*

$C_{16}H_{23}NO_2$ M 261.363

Extensively used in sunscreen preparations.

Chloride: [4755-50-4].

$C_9H_{10}ClNO$ M 183.637

Cryst. Mp 147-149°.

Amide: [6083-47-2].

$C_9H_{12}N_2O$ M 164.207

Cryst. (EtOH aq.). Mp 206°.

Nitrile: [1197-19-9]. *4-Dimethylaminobenzonitrile. 4-Cyanodimethylaniline.*

$C_9H_{10}N_2$ M 146.191

Yellow cryst. Mp 75.6°. Bp 318°.

Morton, A.A. *et al*, *J. Am. Chem. Soc.*, 1931, **53**, 4031 (*synth*)

Kawasaki, A. *et al*, *J. Org. Chem.*, 1977, **42**, 2506 (*synth*)
Mackie, R.K. *et al*, *J. Fluorine Chem.*, 1977, **10**, 437 (*synth*)

3-[(Dimethylamino)(1,3-dioxan-5-yl)-methyl]pyridine D-00406

*α-1,3-Dioxan-5-yl-*N,N*-dimethyl-3-pyridinemethanamine, 9CI*



(*R*)-*form*

$C_{12}H_{18}N_2O_2$ M 222.286

(*R*)-form [62904-71-6]

Doxpicomine, INN. *Doxpizodine*

Analgesic.

B,HCl: [69494-04-8]. *Doxpicomine hydrochloride, USAN. LY 108380.* Analgesic. Cryst. (EtOH). Mp 234-236°. $[\alpha]_D^{25}$ −17° (c, 1 in MeOH).

▷UT5495000.

(±)-form

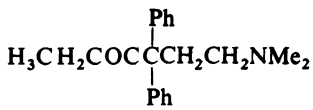
B,2HCl: Mp 196-197°.

Booher, R.N. *et al*, *J. Med. Chem.*, 1977, **20**, 885 (*pharmacol, synth, resoln*)
Rubin, A. *et al*, *Drug. Metab. Dispos.*, 1979, **7**, 149 (*metab*)
Wang, R.I.H. *et al*, *Clin. Pharmacol. Ther.*, 1981, **29**, 771 (*pharmacol*)
Farkas, E. *et al*, *J. Org. Chem.*, 1985, **50**, 1110 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12679.

6-Dimethylamino-4,4-diphenyl-3-hexanone, 9CI, 8CI D-00407

Normethadone, BAN, INN. *Desmethylmethadone. Isoamidone I. Mepidon. Noramidone. Normedon. Normetadone. Phenyldimazone. Hoechst 10582. NIH 2820. U 9558*

[467-85-6]



$C_{20}H_{25}NO$ M 295.424

Narcotic analgesic, antitussive. Oily liq. Bp_1 153.5-157°.

▷MP1650000.

B,HCl: [847-84-7]. Cryst. (Me_2CO). Sol. H_2O, EtOH. Mp 173.5-175°.

▷MP1750000.

B,MeI: Cryst. (EtOH). Mp 199.5-200.5°.

Oxalate: Cryst. (EtOH). Mp 161.5-163°.

Picrate: Yellow needles (EtOH). Mp 134-136°.

*2,6-Di-*tert*-butylnaphthalonedisulphonate: Extussin. Tinafon.*

Bockmuehl, M. *et al*, *Justus Liebigs Ann. Chem.*, 1948, **561**, 72 (*synth*)
Eddy, N.B. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **98**, 121 (*pharmacol*)
Easton, N.R. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 5772 (*synth*)
Janssen, P.A.J. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 381 (*pharmacol*)
Hengen, O. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 620 (*deriv*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol*, 1971, **23**, 941 (*metab*)
Bye, E., *Acta Chem. Scand., Ser. B*, 1976, **30**, 323 (*cryst struct*)
Duax, W.L. *et al*, *Tetrahedron*, 1984, **40**, 467 (*conformn*)
Gerardy, B.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1985, **22**, 5 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13033.

2-Dimethylaminoethanol D-00408

Dimethyl-2-hydroxyethylamine. N*-Dimethylethanolamine.* ***Deanol, BAN.*** *Other proprietary names*

[108-01-0]

$Me_2NCH_2CH_2OH$

$C_4H_{11}NO$ M 89.137

CNS stimulant. Antidepressant. d_4^{20} 0.887. Bp 135°.

▷Irritant. Flammable. KK6125000.

Ac:

$C_6H_{13}NO_2$ M 131.174

Bp_{80} 86-88°.

Picrate: Mp 96-97°.

4-(Acetylamino)benzoate salt (1:1): [3635-74-3]. *Deaner. Diforene. Deanol acetamidobenzoate. Other proprietary names.* Antidepressant. Cryst. (EtOH/EtOAc). Mp 159-161.5°.

▷KK6300000.

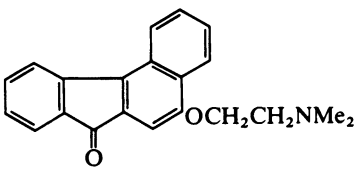
N*-Acetyl-L-glutamate salt (1:1):* [3342-61-8]. *Deanol aceglumate, INN. Demanol aceglumate. Cleregil. Dardanin. Otrun. Risatarun. Rischiaril.* Antidepressant.

▷LZ9800000.

Knorr, L. *et al*, *Ber.*, 1901, **34**, 3482 (*synth*)
Fränkel, S. *et al*, *Ber.*, 1918, **51**, 1660 (*synth, derivs*)
B.P., 879 259, (*1957*); *CA*, **56**, 14080 (*derivs*)
Fr. Pat., M2487, (*1964*); *CA*, **61**, 12085c (*deriv*)
Štokr, J. *et al*, *Collect. Czech. Chem. Commun.*, 1987, **52**, 1256 (*pmr, cmr, conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 244.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12624, 12625.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 299.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1112, 1113.

5-[2-(Dimethylamino)ethoxy]-7*H*-benzo[c]-fluoren-7-one, 9CI D-00409

[78250-23-4]



$C_{21}H_{19}NO_2$ M 317.387

Antineoplastic agent, used to treat leukaemia. Cryst. ($CHCl_3$/hexane). Mp 91-93°.

B,HCl: [80427-58-3]. *Benfluron. VUFB 13468.* Cryst. (EtOH). Mp 268-269°.

Citrate (1:1): Cryst. (EtOH). Mp 165-167°.

Kumar, S. *et al*, *Indian J. Chem., Sect. B*, 1981, **20**, 36 (*synth*)
Pujman, V. *et al*, *Neoplasma*, 1981, **28**, 715 (*pharmacol*)
Krepelka, J. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 1856 (*synth, props*)
Francova, V. *et al*, *Neoplasma*, 1985, **32**, 529.
Koruna, I. *et al*, *Cesk. Farm.*, 1986, **35**, 451 (*metab*)

2-(Dimethylamino)ethyl benzilate D-00410

α-Hydroxy-α-phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester. Arinol. ***Benzacine.*** *Diphemin. Labotropin. Tropalpin. Numerous proprietary names*

[968-46-7]

$Ph_2C(OH)COOCH_2CH_2NMe_2$

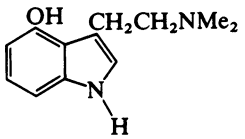
$C_{18}H_{21}NO_3$ M 299.369
Antispasmodic, mydriatic, antirhinitic.
B,HCl: [71-79-4]. Mp 186-188°.
▷DD3150000.
Picrate: Mp 123-124°.

Astrom, A., *Arch. Pharmacol. Toxicol.*, 1952, **8**, 363 (*pharmacol*)
Klosa, J., *Arch. Pharm. (Weinheim, Ger.)*, 1955, **288**, 77 (*synth*)
Ioffe, D.V. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 3051 (*synth*)
Helmy, M.M. *et al*, *Zentralbl. Veterinaermed. Reihe A*, 1973, **20**, 84 (*pharmacol*)
Granger, R. *et al*, *Eur. J. Med. Chem.*, 1974, **9**, 404 (*synth, pharmacol*)
Mozgov, I.E., *Veterinariya (Moscow)*, 1974, 104 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4824.

3-(2-Dimethylaminoethyl)-4-hydroxyindole D-00411

3-(2-Dimethylaminoethyl)-1H-indol-4-ol, 9CI. N,N-*Dimethyl-4-hydroxytryptamine.* ***Psilocine.*** *CX 59*

[520-53-6]



$C_{12}H_{16}N_2O$ M 204.271
Alkaloid from *Psilocybe* spp. and *Copelandia chlorocystis*. Euphoric. Mp 173-176°.
▷NM2625000.

O-*Phosphate:* [520-52-5]. ***Psilocybine,*** *BAN, INN. Indocybin. CY 39.*
$C_{12}H_{17}N_2O_4P$ M 284.251
Active principle of hallucinogenic mushrooms *Psilocybe mexicana* and other *P.* spp. Psychotomimetic agent. Cryst. (MeOH or H_2O). Mp 220-228° (185-195°).
▷NM3150000.

N-*De-Me*, O-*Phosphate:* [21420-58-6]. ***Baeocystine.***
$C_{11}H_{15}N_2O_4P$ M 270.224
Alkaloid from *P. semilanceolata* and *P. baeocystis*. Mp 254-258° dec.

Di-N-*de-Me*, O-*phosphate:* ***Norbaeocystine.***
$C_{10}H_{13}N_2O_4P$ M 256.197
Alkaloid from *P. baeocystis*. Mp 188-192° dec.

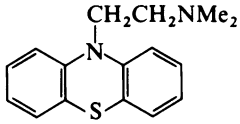
Hofmann, A. *et al*, *Experientia*, 1958, **14**, 107, 397; 1959, **15**, 101 (*isol, synth, ir, uv*)
Julia, M. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1959, **269**, 51 (*synth*)
Leung, A.Y. *et al*, *J. Pharm. Sci.*, 1967, **56**, 146; 1968, **57**, 1667 (*derivs*)
Agurell, S. *et al*, *Acta Chem. Scand.*, 1968, **22**, 1210 (*biosynth*)
Hofmann, A., *Bull. Narc.*, 1971, **23**, 3 (*rev*)
Aboul-Enein, H.Y., *Am. J. Pharm.*, 1974, **146**, 91 (*rev, Psilocybine*)
Weber, H.P. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1974, 942, 946 (*cryst struct*)
Repke, D.B., *J. Pharm. Sci.*, 1977, **66**, 113, 743 (*isol, glc, ms, derivs*)
Chilton, W.S. *et al*, *J. Psychedelic Drugs*, 1979, **11**, 61 (*rev*)
Unger, S.E., *Anal. Lett.*, 1979, **12**, 1157 (*ms*)
Weeks, R.A., *J. Nat. Prod.*, 1979, **49**, 469 (*isol, uv, ms*)
White, P.C., *J. Chromatogr.*, 1979, **169**, 453 (*deriv*)
Repke, D.B. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 175 (*synth, bibl*)
Seeger, R., *Dtsch. Apoth. Ztg.*, 1985, **125**, 65 (*rev, Psilocybine*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5019, 5020.

10-[2-(Dimethylamino)ethyl]phenothiazine, D-00412

8CI

N,N-*Dimethyl-10H-phenothiazine-10-ethanamine, 9CI.* ***Fenethazine, INN.*** *Anergen. Contralergial. Ethysine. Etisine. Lisergan. Lysergan. Phenethazinum. RP 3015. SC 1627. Wy 1143*

[522-24-7]



$C_{16}H_{18}N_2S$ M 270.392
Compd. and derivs. are antihistamines. Liq. or cryst. Mp 42-44.5°. Bp_1 183-187°.
▷SO5250000.

B,HCl: [5934-20-3]. Mp 201-201.5°, 225°.
▷SO5425000.
B,MeCl: Mp 219-221°.

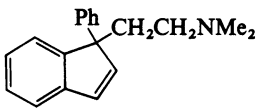
5-Oxide:
$C_{16}H_{18}N_2OS$ M 286.391
Mp 132-133°.
5-Oxide; B,HCl: Mp 225-226°.

Winter, C.A. *et al*, *J. Pharmacol.*, 1947, **90**, 224 (*pharmacol*)
Cavallito, C.J. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1862.
Kiyoshi, M. *et al*, *J. Pharm. Soc. Jpn.*, 1957, **29**, 161; *CA*, **53**, 8145 (*synth*)
Wasserman, N. *et al*, *Rev. Chim.*, 1959, **10**, 81; *CA*, **57**, 16603 (*synth*)
Audier, L. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 1013 (*ms*)
Galons, H. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 5108 (*synth, pmr*)
Obata, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, **58**, 437 (*synth, cryst struct*)

1-(2-Dimethylaminoethyl)-1-phenylindene D-00413

N,N-*Dimethyl-1-phenyl-1H-indene-1-ethanamine, 9CI.* N,N-*Dimethyl-1-phenylindene-1-ethylamine, 8CI.* ***Indriline, INN***

[7395-90-6]



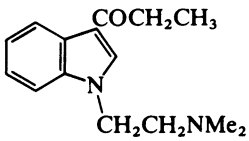
$C_{19}H_{21}N$ M 263.382

(±)-form
Central stimulant.

B,HCl: [2988-32-1]. *Indriline hydrochloride, USAN. Lu 3-083. MJ 1986.* Mp 202-203°.
▷NK8400000.

Dykstra, S.J. *et al*, *J. Med. Chem.*, 1967, **10**, 418 (*synth, pharmacol, pmr*)
Buchel, L. *et al*, *Therapie*, 1968, **23**, 1135 (*pharmacol*)
U.S.P., 3 743 746, (*1973*); *CA*, **79**, 133056 (*use*)

1-(Dimethylamino)ethyl-3-propanoyl-1*H*-indole D-00414



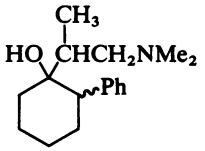
$C_{15}H_{20}N_2O$ M 244.336
Yellow oil. $Bp_{0.5}$ 200-210°.
Maleate (1:1): Yellow cryst. (2-propanol). Mp 150°.

B,MeI:
$C_{16}H_{23}IN_2O$ M 386.275
Pale-yellow prisms (MeOH). Mp 225-226°.
Oxime: [54063-37-5]. *[1-[1-(Dimethylamino)ethyl]-1H-indol-3-yl]-1-propanone oxime, 9CI.* ***Etoprindole, INN.*** *CB 1700.*
$C_{15}H_{21}N_3O$ M 259.350
Antiinflammatory agent. Small cryst. (MeOH). Mp 145°.

Schmitt, J. *et al, Bull. Soc. Chim. Fr.*, 1957, 1470 (*synth*)
U.S.P., 2 930 798, (*1960*); *CA*, **54**, 21130 (*synth, pharmacol*)

1-(2-Dimethylamino-1-methylethyl)-2-phenylcyclohexanol, 9CI D-00415

1-[2-(Dimethylamino)-1-methylethyl]-2-phenylcyclohexanyl acetate, 9CI
[58026-32-7]



$C_{17}H_{27}NO$ M 261.406

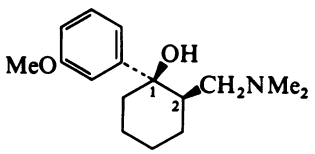
(+)-*form*
$[\alpha]_D^{25}$ +4.3° (c, 1.0 in $CHCl_3$).
Acetate: Mp 150-153°. $[\alpha]_D^{25}$ +29.1° (c, 1.0 in $CHCl_3$).

(−)-*form*
$[\alpha]_D^{25}$ −5.1° (c, 1.0 in $CHCl_3$).
Acetate: Cryst. (*n*-Hexane). Mp 63-66°. $[\alpha]_D^{25}$ −76.7° (c, 1.0 in $CHCl_3$).

(±)-*form*
Acetate: [53716-48-6]. ***Nexeridine, INN.*** Analgesic.
Acetate; B,HCl: [53716-47-5]. *Nexeridine hydrochloride, USAN. Compound 673-082.*

Ger. Pat., 2 509 053, (*1975*); *CA*, **84**, 58889x (*deriv, synth, pharmacol*)
Swain, H.H. *et al, Probl. Drug Depend.*, 1975, 773 (*pharmacol*)
Telfer, T.L. *et al, Tetrahedron Lett.*, 1976, **18**, 1465 (*synth*)

2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol, 9CI D-00416



$C_{16}H_{25}NO_2$ M 263.379

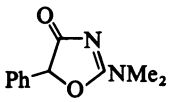
(*1RS,2RS*)-*form* [27203-92-5]
(±)-trans-*form.* ***Tramadol, INN.*** *E 265. CG 315E. U 26225A*
Analgesic.
▷GV8925000.
B,HCl: [36282-47-0]. *Tramadol hydrochloride, USAN, JAN. Crispin. Melanate. Tramal.* Mp 180-182°.

(*1RS,2SR*)-*form*
(±)-cis-*form*
B,HCl: [53611-16-8]. Mp 212°.

Flick, K. *et al, Arzneim..-Forsch.*, 1978, **28**, 107 (*synth, pharmacol, numerous papers*)
Lintz, W. *et al, Arzneim.-Forsch.*, 1981, **31**, 1932 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6263.

2-(Dimethylamino)-5-phenyl-4(5*H*)-oxazolone, 9CI D-00417

2-(Dimethylamino)-5-phenyl-2-oxazolin-4-one, 8CI. ***Thozalinone, USAN.*** *Stimsen. CL 39808*
[655-05-0]

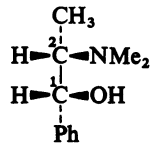


$C_{11}H_{12}N_2O_2$ M 204.228
Antidepressant. Mp 133-136°. pK_a 0.54.
▷RQ5775000.

Howell, C.F. *et al, J. Org. Chem.*, 1964, **29**, 370 (*pmr, ir*)
Najer, H. *et al, C. R. Hebd. Seances Acad. Sci.*, 1965, **260**, 4343.
Lindberg, U.H. *et al, Acta Pharm. Suec.*, 1968, **5**, 15 (*synth, pharmacol*)

2-Dimethylamino-1-phenyl-1-propanol D-00418

α-[1-(Dimethylamino)ethyl]benzenemethanol, 9CI
[17605-71-9]



(*1R,2S*)-*form*

$C_{11}H_{17}NO$ M 179.261
See also references under 2-Methylamino-1-phenyl-1-propanol, M-00221 .
▷DO4620000.

(*1R,2S*)-*form* [552-79-4]
erythro-*form.* **N-*Methylephedrine.*** *Methylephedrine, BAN. Metheph. Methy-F*
Alkaloid from *Ephedra sinica* and *E. vulgaris* (Ephedraceae). Analeptic. Needles (MeOH). Mp 87-88°. $[\alpha]_D$ −29.2° (MeOH).
B,HCl: Tablets (EtOH). Sol. H_2O, EtOH, spar. sol. Me_2CO. Mp 188-189°. $[\alpha]_D$ −29.8° (H_2O).
B,MeI: Tablets (EtOH). Mp 212-213°. $[\alpha]_D$ −21.8°.
Picrate: Cryst. (EtOH). Mp 144°.

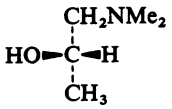
(*1S,2S*)-*form* [51018-28-1]
Methyl-ψ-ephedrine. *Methylisoephedrine. Methylpseudoephedrine*
Alkaloid from Ma Huang. Cryst. (pet. ether). Sol. most org. solvs., spar. sol. H_2O. Mp 30°. $[\alpha]_D$ +48.1°.
B,MeI: Cryst. (EtOH). Mp 216-217°.
Picrate: Cryst. (EtOH). Mp 152-153°.

(*1RS,2SR*)-*form*
erythro-(±)-*form*
Cryst. (pet. ether or MeOH). Mp 63.5-64.5°.
B,HCl: [18760-80-0]. Cryst. (Me_2CO). Mp 207-208°.
▷DO5100000.

Smith, S., *J. Chem. Soc.*, 1927, 2056.
Nagai, W.N. *et al, Justus Liebigs Ann. Chem.*, 1929, **470**, 157 (*synth*)
Leithe, W., *Ber.*, 1932, **65**, 660.
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*rev, occur*)
Shono, T. *et al, Tetrahedron Lett.*, 1983, **24**, 4577 (*synth*)
Blagg, J. *et al, J. Chem. Soc., Chem. Commun.*, 1985, 653 (*synth*)
Miyano, S. *et al, J. Org. Chem.*, 1985, **50**, 4350 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2083.

1-Dimethylamino-2-propanol, 9CI D-00419

[108-16-7]



(*S*)-*form*

$C_5H_{13}NO$ M 103.164

▷UB3150000.

(*S*)-*form* [53636-15-0]

L-form

Bp 118-122°. $[\alpha]_D^{25}$ +23.22° (c, 0.9 in EtOH).

B,MeI: Mp 174-175°. $[\alpha]_D^{24.5}$ +27.27° (c, 2.2 in EtOH aq.).

O-*Ac; B,MeI:* Mp 177.5-178.5°. $[\alpha]_D^{22.5}$ +27.0° (c, 2 in EtOH aq.).

(±)-*form* [53657-16-2]

Dimepranol, INN

Antiviral agent. Bp 124-125°.

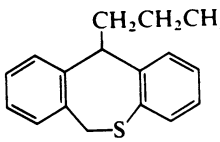
Picrate: Mp 72°.

Kaluszyner, A. *et al, J. Org. Chem.*, 1961, **21**, 3536 (*synth*)
Beckett, A.H. *et al, J. Pharm. Pharmacol.*, 1963, **15**, 349 (*synth*)
Biochem. Prep., 1966, **11**, 4 (*synth*)
Chan, M.M.-L. *et al, J. Med. Chem.*, 1974, **17**, 1057 (*synth, resoln, bibl*)
Angeloni, A.S. *et al, Gazz. Chim. Ital.*, 1977, **107**, 421 (*abs config*)

11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenzo[*b,e*]thiepine D-00420

6,11-Dihydro-N,N-*dimethyldibenzo*[b,e]*thiepine-11-propanamine*, 9CI

[1886-45-9]



$C_{19}H_{23}NS$ M 297.457

Thymoleptic. Cryst. (pet. ether). Mp 45-49°.

▷HQ2800000.

B,HCl: [846-54-8]. *Hydrothiaden.* Cryst. + ½H_2O (Me_2CO). Mp 174°.

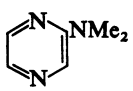
Maleate (1:1): [23788-35-4]. Cryst. (EtOH/Et_2O or Me_2CO). Mp 136-138°.

Protiva, M. *et al, Collect. Czech. Chem. Commun.*, 1964, **29**, 2161; 1969, **34**, 1278 (*synth, props*)
Metysova, J. *et al, Arzneim.-Forsch.*, 1965, **15**, 524 (*pharmacol*)

Dimethylaminopyrazine, 8CI D-00421

N,N-*Dimethylpyrazinamine*, 9CI. ***Ampyzine, INN***

[5214-29-9]



$C_6H_9N_3$ M 123.157

Central stimulant. Liq. Mp 25.7°. Bp_8 88-90°, $Bp_{1.2}$ 64°. n_D^{25} 1.5680.

B,H_2SO_4: [7082-29-3]. *Ampyzine sulfate*, USAN. *W 3580*B.

Picrate: Mp 158-160° dec.

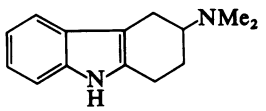
4-Oxide: [13134-49-1]. Mp 149-150°.

Cheeseman, G.W.H., *J. Chem. Soc.*, 1960, 242 (*synth*)
B.P., 1 019 219, (*1966*); *CA*, **64**, 11227 (*use*)
Klein, B. *et al, J. Org. Chem.*, 1967, **32**, 2412 (*synth*)
Tobias, S. *et al, Tetrahedron Lett.*, 1982, **23**, 4785 (*pmr, cmr, N-15 nmr*)

3-(Dimethylamino)-1,2,3,4-tetrahydrocarbazole, 8CI D-00422

2,3,4,9-Tetrahydro-N,N-*dimethyl-1*H-*carbazol-3-amine*, 9CI. ***Cyclindole, USAN***. *Ciclindole, INN. Win 27147-2*

[32211-97-5]



$C_{14}H_{18}N_2$ M 214.310

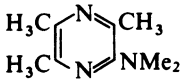
Antidepressant. Mp 138-142°.

Benziger, D.P. *et al, Drug. Metab. Dispos.*, 1977, **5**, 239 (*metab*)
Mooradian, A. *et al, J. Med. Chem.*, 1977, **20**, 487 (*synth, pharmacol*)

(Dimethylamino)trimethylpyrazine, 8CI D-00423

N,N,*3,5,6-Pentamethyl-2-pyrazinamine*, 9CI. ***Triampyzine, INN***

[6503-95-3]



$C_9H_{15}N_3$ M 165.238

Anticholinergic, antisecretory agent.

B,HCl: Mp 162-164°.

B,H_2SO_4: [7082-30-6]. *Triampyzine sulfate*, USAN. *W 3976*B.

B.P., 1 031 915, (*1966*); *CA*, **65**, 5471g (*synth, pharmacol*)

Dimethylarsinic acid, 9CI D-00424

Cacodylic acid. Hydroxydimethyl arsine oxide. Numerous proprietary names

[75-60-5]

$Me_2As(O)OH$

$C_2H_7AsO_2$ M 137.998

Common metab. of arsenite and arsenate. Herbicide, has been used in chronic eczema and as a tonic. V. sol. H_2O, sol. EtOH, insol. Et_2O. Mp 200°.

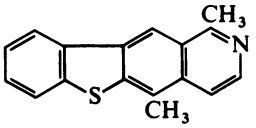
▷Mod. toxic. CH7525000.

Valeur, A. *et al, Bull. Soc. Chim. Fr.*, 1927, **41**, 1318.
Challenger, F. *et al, J. Chem. Soc.*, 1935, 396 (*synth*)
Simon, A. *et al, Z. Anorg. Allg. Chem.*, 1973, **400**, 294 (*ir, raman*)
Gruendler, H.V. *et al, J. Mol. Struct.*, 1974, **21**, 149 (*raman, ir*)
Fitchett, A.W. *et al, Anal. Chim. Acta*, 1975, **79**, 93.
Moore, L.O. *et al, Encycl. Chem. Process Des.*, 1977, **3**, 396 (*rev*)
Zakirov, D.U. *et al, Izv. Akad. Nauk SSSR, Ser. Khim.*, 1977, 910 (*nqr*)
Dietz, E.A., *Anal. Methods Pestic. Plant Growth Regul.*, 1978, **10**, 385.
Cullen, W.R. *et al, Can. J. Microbiol.*, 1979, **25**, 1201.
Filowitz, M. *et al, Inorg. Chem.*, 1979, **18**, 93 (*O-17 nmr*)
Edmonds, J.S. *et al, J. Chem. Soc., Perkin Trans. 1*, 1983, 2375 (*pmr, cmr*)
Anon., *Dangerous Props. Ind. Mater. Rep.*, 1986, **6**, 33 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 66.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1566.

1,5-Dimethyl[1]benzothieno[2,3-*g*]-isoquinoline, 9CI **D-00425**

Thiaolivacine

[23436-73-9]



$C_{17}H_{13}NS$ M 263.356

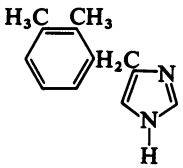
Has antitumour props. Cryst. (C_6H_6). Mp 139-141°.

Campaigne, E. *et al*, *J. Heterocycl. Chem.*, 1969, **6**, 875.

4-(2,3-Dimethylbenzyl)-1*H*-imidazole **D-00426**

4-[(2,3-Dimethylphenyl)methyl]imidazole, 9CI. ***Detomidine, INN, BAN***

[76631-46-4]



$C_{12}H_{14}N_2$ M 186.256

Veterinary tranquilliser, analgesic, sedative. Cryst. (Me_2CO). Mp 114-116°.

B,HCl: [90038-01-0]. *Domosedan.*

Eur. Pat., 24 829, (*1981*); *CA*, **95**, 115545k (*synth, pharmacol*)

Vainio, O., *Colloq. INRA*, 1982, **8**, 281; *CA*, **100**, 44676n (*rev, pharmacol*)

Laine, E. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 451 (*cryst struct, cmr, deriv*)

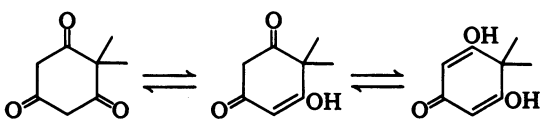
Virtanen, R. *et al*, *Eur. J. Pharmacol.*, 1985, **108**, 163 (*pharmacol*)

Savola, J.M. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 29 (*pharmacol*)

2,2-Dimethyl-1,3,5-cyclohexanetrione, 9CI **D-00427**

Filicinic acid

[511-68-2]



Trioxo-*form* Monoenol-*form* Dienediol-*form*

$C_8H_{10}O_3$ M 154.165

Isol. from *Dryopteris* ferns. Anthelmintic, bactericide. Prisms (H_2O or C_6H_6). Mod. sol. hot H_2O, hot EtOH, spar. sol. Et_2O, AcOH. Mp 212-215°, 215° dec., 220° dec. pK_a 5.8.

Monoenol-form

5-Hydroxy-6,6-dimethyl-4-cyclohexene-1,3-dione, 9CI, 8CI

Me ether: 5-Methoxy-6,6-dimethoxy-4-cyclohexene-1,3-dione.

$C_9H_{12}O_3$ M 168.192

Prisms (EtOAc). Mp 205-207°. Bp_{18} 194-196°.

Dienediol-form [2065-00-1]

3,5-Dihydroxy-4,4-dimethyl-2,5-cyclohexadien-1-one

Di-Et ether: 3,5-Diethoxy-4,4-dimethyl-2,5-cyclohexadien-1-one.

$C_{12}H_{18}O_3$ M 210.272

Plates or prisms (pet. ether). Mp 103-105°.

Di-Ac:

$C_{12}H_{14}O_5$ M 238.240

Cryst. (MeOH). Mp 65-66°, 82-85°.

Boehm, R., *Justus Liebigs Ann. Chem.*, 1899, **307**, 249 (*isol*)

Reid, E.B. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 1661 (*synth*)

Hoefer, K. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **656**, 127 (*synth, uv*)

Lounasmaa, M. *et al*, *Acta Chem. Scand.*, 1971, **25**, 3428 (*ms*)

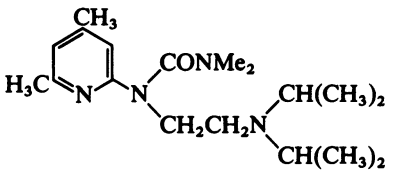
Lounasmaa, M. *et al*, *Planta Med.*, 1973, **24**, 148 (*isol*)

Lounasmaa, M. *et al*, *Acta Chem. Scand., Ser. B*, 1974, **28**, 1209 (*synth, pmr*)

***N,N*-Dimethyl-*N'*-(2-diisopropylaminoethyl)-*N'*-(4,6-dimethyl-2-pyridinyl)urea** **D-00428**

L 634366

[75308-65-5]



$C_{18}H_{32}N_4O$ M 320.477

Antisecretory agent.

B,HCl: [63763-54-2]. Cryst. ($EtOH/Et_2O$). Mp 190-192°.

Hucker, H.B. *et al*, *Drug Metab. Dispos.*, 1982, **10**, 28 (*metab*)

Bolhofer, W.A. *et al*, *J. Med. Chem.*, 1983, **26**, 538 (*synth, pharmacol*)

Torchiana, M.L. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **281**, 120 (*pharmacol*)

1,4-Dimethyl-1,4-diphenyl-2-tetrazene, 9CI, 8CI **D-00429**

Simtrazene, USAN, INN. *Centrazene. CL 26193. MPT. NSC 83799*

[5579-27-1]

PhNMeN=NNMePh

$C_{14}H_{16}N_4$ M 240.307

Antineoplastic agent. Mp 138°.

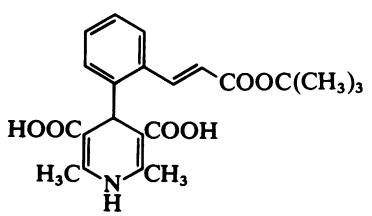
Erusalimskii, B.L. *et al*, *Zh. Obshch. Khim.*, 1957, **27**, 267 (*synth*)

Vogel, A.W. *et al*, *Nature (London)*, 1963, **197**, 85 (*pharmacol*)

Sloboda, A.E. *et al*, *Cancer Res.*, 1964, **24**, 461 (*props*)

Mataka, S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1974, 554 (*synth*)

4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, 9CI **D-00430**



(*E*)-*form*

$C_{22}H_{25}NO_6$ M 399.443

(E)-form

Di-Et ester: [103890-78-4]. ***Lacidipine, BAN, INN.***

$C_{26}H_{33}NO_6$ M 455.550

Antihypertensive agent (calcium antagonist). Cryst. (EtOAc). Mp 173-175°.

(Z)-form

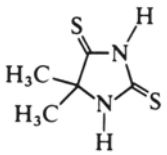
Di-Et ester: [103890-79-5]. Cryst. (pet. ether/Et_2O). Mp 143-145°.

Ger. Pat., 3 529 997, (*1986*); *CA*, **105**, 97322d (*synth*)
Eur. Pat., 245 919, (*1987*); *CA*, **108**, 112257u (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2495.

5,5-Dimethyl-2,4-imidazolidinedithione, 9CI D-00431

Dimethyldithiohydantoin. 5,5-Dimethyl-2,4-dithiohydantoin, 8CI. Thiomedan. Vincidol

[20513-25-1]



$C_5H_8N_2S_2$ M 160.252

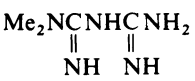
Antiepileptic agent. Pale yellow needles (C_6H_6). Mp 144°.

Carrington, H.C., *J. Chem. Soc.*, 1947, 681 (*synth*)
Hazard, R. *et al*, *Compt. Rend.*, 1948, **226**, 1850; 1949, **228**, 958, 1762; 1950, **230**, 243 (*pharmacol*)
Frommel, E. *et al*, *Arch. Int. Pharmacodyn.*, 1952, **92**, 44 (*pharmacol*)
Robbe, Y. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 235 (*synth, use*)
Cristiani, F. *et al*, *Spectrochim. Acta*, 1985, **41A**, 487 (*ir*)

N,N-Dimethylimidodicarbonimidic diamide, 9CI D-00432

Metformin, BAN, USAN, INN. *1,1-Dimethylbiguanide, 8CI. Diabetosan. Fluamine. Gliguamid*

[657-24-9]



$C_4H_{11}N_5$ M 129.164

Oral hypoglycaemic agent.

▷DU1790000.

B,HCl: [1115-70-4]. *Diabefagos. Glucophage. Haurymellin.* Prisms (H_2O). Sol. H_2O, EtOH, insol. Et_2O. Mp 232° (218-220°).

▷DU1800000.

Picrate: Pale-yellow needles (H_2O). Mp 219°.

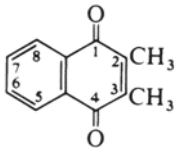
4-Chlorophenoxy acetate (salt): [25672-33-7]. *Glucinan.* Mp 189-191°.

Werner, E.A. *et al*, *J. Chem. Soc.*, 1922, 1790 (*synth*)
Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 3728 (*synth, pharmacol*)
Ger. Pat., 1 900 772, (*1969*); *CA*, **72**, 43230d (*synth, deriv*)
Beckmann, R. *et al*, *CA*, 1970, **72**, 30102p (*metab*)
Nandi, S.D., *Tetrahedron*, 1972, **28**, 845 (*uv, deriv*)
Hermann, L.S., *Diabete Metab.*, 1979, **5**, 233 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 247 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7230, 7231.

2,3-Dimethyl-1,4-naphthoquinone, 8CI D-00433

2,3-Dimethyl-1,4-naphthalenedione, 9CI

[2197-57-1]



$C_{12}H_{10}O_2$ M 186.210

Antihaemorrhagic. Yellow prisms (EtOH). Mp 127°. Steam-volatile.

▷QL8050000.

Smith, L.I. *et al*, *J. Am. Chem. Soc.*, 1937, **59**, 662 (*synth*)
Fieser, L.F. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 2206 (*uv*)
Bowie, J.H. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 5094 (*ms*)
Breton-Lacombe, M., *Acta Crystallogr.*, 1967, **23**, 1024 (*struct*)
Milazzo, G. *et al*, *Experientia, Suppl.*, 1971, **18**, 453 (*synth, ir, pmr*)
Pluim, H. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1984, **103**, 36 (*synth, ir, pmr, cmr*)

2,7-Dimethyl-1,4-naphthoquinone D-00434

Chimaphilin

[482-70-2]

$C_{12}H_{10}O_2$ M 186.210

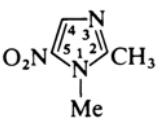
Isol. from *Chimaphilia* and *Pyrola* spp. Characteristic of the Pyrolaceae. Has been used as an urinary antiseptic. Yellow needles. Mp 113.5-114.5°. Polymerises in sunlight.

Weisgerber, R. *et al*, *Ber.*, 1919, **52**, 346 (*synth*)
Di Modica, L. *et al*, *Gazz. Chim. Ital.*, 1956, **76**, 976 (*isol*)
Inouye, H., *J. Pharm. Soc. Jpn.*, 1956, **76**, 976 (*isol*)
Stieth, K. *et al*, *Lloydia*, 1967, **30**, 78 (*isol*)
Burnett, A.R. *et al*, *J. Chem. Soc.* (*C*), 1968, 857 (*isol, occur*)
Boisvert, L. *et al*, *Tetrahedron Lett.*, 1983, **24**, 2453 (*synth*)

1,2-Dimethyl-5-nitro-1*H*-imidazole D-00435

Dimetridazole, BAN, INN. *Emtryl. Emtrymix*

[551-92-8]



$C_5H_7N_3O_2$ M 141.129

Veterinary antiprotozoal agent. Needles (H_2O). Mp 138-139°.

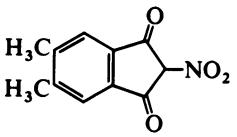
▷Toxic. NI5075000.

Bwagwat, V.K. *et al*, *J. Chem. Soc.*, 1925, **127**, 1832 (*synth*)
Huether, H. *et al*, *J. Mol. Struct.*, 1969, **4**, 108 (*nmr*)
v. Lear, G.E., *Org. Mass Spectrom.*, 1972, **6**, 1117 (*ms*)
Oklobdzija, M. *et al*, *Synthesis*, 1975, 596 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 615.

5,6-Dimethyl-2-nitro-1,3-indanedione D-00436

5,6-Dimethyl-2-nitro-1H-indene-1,3(2H)-dione, 9CI. ***Nivimedone, BAN, INN***

[49561-92-4]



$C_{11}H_9NO_4$ M 219.196

Antiallergic drug. Mp 113-114°.

Na salt: [57441-90-4]. *Nivimedone sodium, USAN. BRL 10833.*

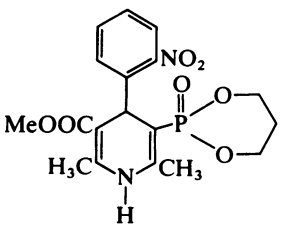
Buckle, D.R. *et al, J. Med. Chem.*, 1973, **16**, 1334 (*synth, pharmacol*)

Alexander, R.G. *et al, J. Chem. Soc., Perkin Trans. 1*, 1977, 1191 (*synth*)

2,6-Dimethyl-4-(2-nitrophenyl)-5-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-3-pyridinecarboxylate D-00437

DHP-218

[102097-78-9]



$C_{18}H_{21}N_2O_7P$ M 408.347

Antihypertensive agent. Cryst. (EtOAc/$CHCl_3$). Mp 246-248° dec. Undergoing clinical trials (1989).

Miura, A. *et al, Arzneim.-Forsch.*, 1986, **36**, 1323, 1329, 1336 (*synth, pharmacol*)

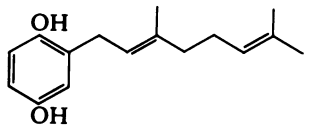
Taira, N. *et al, J. Cardiovasc. Pharmacol.*, 1987, **10**, 274 (*pharmacol*)

Morita, I. *et al, Chem. Pharm. Bull.*, 1988, **36**, 1139 (*synth*)

2-(3,7-Dimethyl-2,6-octadienyl)-1,4-benzenediol D-00438

(3,7-Dimethyl-2,6-octadienyl)hydroquinone, 8CI. 2-Geranylhydroquinone. ***Geroquinol, INN***

[10457-66-6]



$C_{16}H_{22}O_2$ M 246.349

(±)-form

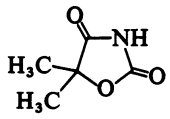
Radioprotectant drug.

Rudali, G., *C. R. Soc. Biol.*, 1966, **160**, 1365 (*pharmacol*)

Fr. Pat., M2694, (*1964*); *CA*, 1964, **61**, 15940e (*synth, pharmacol, tox*)

5,5-Dimethyl-2,4-oxazolidinedione, 9CI, 8CI D-00439

Dimethadione, USAN, INN. *Eupractone. NSC 30152*



$C_5H_7NO_3$ M 129.115

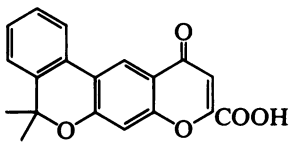
Anticonvulsant. Mp 76-77°.

Stoughton, R.W., *J. Am. Chem. Soc.*, 1941, **63**, 2376 (*synth*)

Frey, H.H. *et al, Arch. Int. Pharmacodyn. Ther.*, 1971, **193**, 181 (*pharmacol*)

5,5-Dimethyl-11-oxo-5*H*,11*H*-[2]-benzopyrano[4,3-*g*][1]benzopyran-9-carboxylic acid, 9CI D-00440

[52156-73-7]



$C_{19}H_{14}O_5$ M 322.317

Antiallergic agent.

2-Aminoethanol salt (1:1): [57165-39-6]. *PR-D 92*Ea. Cryst. (DMSO aq.). Mp 279-282°.

Devlin, J.P., *et al, J. Med. Chem.*, 1977, **20**, 205 (*synth, pharmacol*)

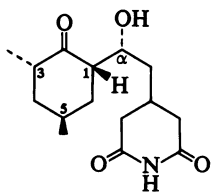
El-Azab, J. *et al, Int. Arch. Allergy Appl. Immunol.*, 1977, **55**, 350 (*props*)

Beets, J.L. *et al, Br. J. Pharmacol.*, 1978, **62**, 423P (*pharmacol*)

Johnson, A.J. *et al, Br. J. Clin. Pharmacol.*, 1979, **7**, 511 (*pharmacol*)

4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione, 9CI D-00441

[17280-60-3]



(1*S*,3*S*,5*S*,α*R*)-*form*

Absolute configuration

$C_{15}H_{23}NO_4$ M 281.351

Glutarimid antibiotic.

(1R,3R,5S,αR)-form [6746-42-5]

Isocycloheximide

Isol. from *Streptomyces griseus*. Active against *Saccharomyces pastorianus*. Possesses 30% of Cycloheximide activity. Mp 101-102°. $[\alpha]_D^{23}$ +36° (c, 10 in MeOH).

▷MA4375100.

(1R,3R,5S,αS)-form [94799-82-3]

α-Epiisocycloheximide. *Neoisocycloheximide*

Isol. from "Nongkang-101". Antifungal agent. Cryst. (EtOAc/Et_2O). Mp 130-131°.

(1R,3S,5S,αR)-form [642-81-9]

***Naramycin* B**

From *S. naraensis* and *S. griseus*. Active against fungi and yeasts. Possesses herbicidal props. Plates. Mp 109°. $[\alpha]_D^{12.5}$ −50.2° (c, 2 in MeOH).

▷QN4555000.

(*1S,3S,5S,αR*)-*form* [66-81-9]
Cycloheximide, USAN. Cicloheximide, INN. *Actidione. Acti-Aid. Naramycin. Naramycin* A. *NSC 185. U 4527*
From *S. griseus*. Antifungal agent. Active against leaf blight and rust diseases. Cryst. (H_2O). Mp 119.5-121°. $[\alpha]_D^{29}$ −33.8° (c, 1 in $CHCl_3$). pK_a 11.2.
▷Highly toxic. MA4375000.
Ac: Mp 150.2°. $[\alpha]_D^{25}$ +24.6° (c, 3.7 in MeOH).
4-Nitrobenzoyl: Mp 215-220° dec.
α-Ketone: [363-27-9]. ***Dehydroactidione***.
$C_{15}H_{21}NO_4$ M 279.335
From *S. noursei* and other *S.* spp. Cryst. (EtOH). Mp 178°. $[\alpha]_D^{20}$ −298° (c, 2 in dioxan).
1,6-Didehydro: ***Inactone***.
$C_{15}H_{21}NO_4$ M 279.335
From *S. griseus*. Only 1.2% as biol. active as Cycloheximide. Needles. Mp 116°. $[\alpha]_D$ −55° (H_2O).

(*1R,3S,5S,αS*)-*form*
Mp 98.5-99.5°. $[\alpha]_D^{20}$ +74.7° (c, 0.55 in MeOH).

(*1S,3S,5S,αS*)-*form*
Mp 106-107°. $[\alpha]_D^{20}$ −23.5° (c, 2.5 in MeOH).

Whiffen, A.J. *et al, J. Am. Chem. Soc.*, 1947, **69**, 474 (*isol*)
Kornfeld, E.C. *et al, J. Am. Chem. Soc.*, 1949, **71**, 150 (*struct*)
Raul, R. *et al, Bull. Soc. Chim. Fr.*, 1955, 1316 (*isol*)
Suzuki, M. *et al, Chem. Pharm. Bull.*, 1963, **11**, 582, 589 (*synth*)
Starkovsky, N.A. *et al, Tetrahedron Lett.*, 1964, 919 (*abs config*)
Johnson, F. *et al, J. Am. Chem. Soc.*, 1966, **88**, 149 (*synth*)
Sayers, J. *et al, J. Am. Chem. Soc.*, 1977, **99**, 3848 (*cryst struct*)
Jeffs, P.W. *et al, J. Am. Chem. Soc.*, 1981, **103**, 6185 (*biosynth, cmr*)
Berg, D. *et al, Z. Naturforsch., C*, 1982, **37**, 1100 (*isol, props*)
Jost, J.L. *et al, Drugs Pharm. Sci.*, 1984, **22**, 531 (*rev*)
Kudo, S. *et al, Agric. Biol. Chem.*, 1984, **48**, 2315, 2739 (*synth, bibl*)
Ye, D. *et al, CA*, 1985, **102**, 92566 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12620.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 833.

N',α-Dimethylphenethylhydrazine D-00442

1-Methyl-1-(1-methyl-2-phenylethyl)hydrazine, 9CI. ***Methphendrazine.*** *Metfenrazine. HM 11. MO 482*
[3734-26-7]

$PhCH_2CH(CH_3)N(Me)NH_2$

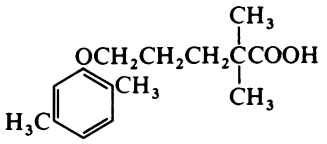
$C_{10}H_{16}N_2$ M 164.250
▷MV7175000.

(±)-*form*
Antidepressant (monoamine oxidase inhibitor). Bp_{18} 132-134°, $Bp_{0.5}$ 88-90°.
B,H₃PO₄: Mp 116-118°. Bp_{17} 129°.

B.P., 874 198, (*1959*); *CA*, **56**, 7215 (*synth*)
U.S.P., 3 000 903, (*1959*); *CA*, **56**, 1394 (*synth*)
Matthies, H. *et al, Acta Biol. Med. Ger.*, 1967, **19**, 447 (*props*)

5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid, 9CI D-00443

2,2-Dimethyl-5-(2,5-xylyloxy)valeric acid, 8CI. ***Gemfibrozil, BAN, INN, USAN.*** *Gevilon. Hipolixan. Lipozid. Lipur. Lopid. Organolipid. CI 719*
[25812-30-0]

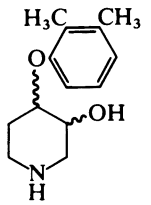


$C_{15}H_{22}O_3$ M 250.337
Antihypercholesterolaemic drug. Cryst. Mp 61-63°. $Bp_{0.02}$ 158-159°.
▷YV7120000.

U.S.P., 3 707 566, (*1973*); *CA*, **78**, 58105q (*synth*)
Creger, P.L. *et al, Proc. Roy. Soc. Med.*, 1976, **69**, (*Suppl. 2*), 1 (*pharmacol, metab, tox*)
U.S.P., 4 126 637, (*1979*); *CA*, **90**, 121021z (*synth*)
Glueck, C., *Am. J. Cardiol.*, 1983, **52**, 31 (*rev*)
Abraham, D.J. *et al, J. Med. Chem.*, 1984, **27**, 967 (*synth, props*)
Todd, P.A. *et al, Drugs*, 1988, **36**, 314 (*rev*)

4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine D-00444

4-(2,3-Dimethylphenyl)-3-piperidinol, 9CI



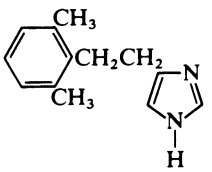
$C_{13}H_{19}NO_2$ M 221.299

cis-form [66208-11-5]
Ifoxetine, INN
Antidepressant. Oil.
Fumarate: Cryst. ($MeOH/Et_2O$). Mp 188-189°.
Maleate (2:1): [66208-12-6].

Ger. Pat., 2 738 477, (*1978*); *CA*, **88**, 152446 (*synth, pharmacol*)

4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, 9CI D-00445

4-(2,6-Dimethylphenethyl)-1H-imidazole. MPV 295
[79928-22-6]



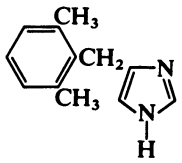
$C_{13}H_{16}N_2$ M 200.283
α-Adrenoceptor agonist.

B.P., 2 101 114, (*1983*); *CA*, **99**, 38462 (*synth*)
Ruskoaho, H. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1983, **322**, 279 (*pharmacol*)
Jarvensivu, P. *et al, Acta Physiol. Scand. Suppl.*, 1984, **537**, 39 (*pharmacol*)
Savola, J.M. *et al, Arzneim.-Forsch.*, 1988, **38**, 29 (*pharmacol*)

4-[(2,6-Dimethylphenyl)methyl]-1*H*-imidazole, 9CI D-00446

*4-(2,6-Dimethylbenzyl)-1*H*-imidazole. MPV 207*

[78892-44-1]



$C_{12}H_{14}N_2$ M 186.256

Antihypertensive agent. Cryst. (EtOAc). Mp 126-128°.

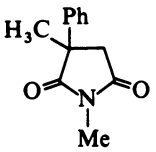
B,HCl: Cryst. (EtOAc). Mp 207-210°.

U.S.P., 4 443 466, (*1984*); *CA*, **101**, 130687 (*synth, pharmacol*)
Savola, J.M. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 29 (*pharmacol*)

1,3-Dimethyl-3-phenyl-2,5-pyrrolidinedione, 9CI D-00447

*N,2-Dimethyl-2-phenylsuccinimide, 8CI. **Methsuximide, BAN**. Mesuximide, INN. Celontin. Metosuccimide. Petinutin. PM 396*

[77-41-8]



$C_{12}H_{13}NO_2$ M 203.240

Antiepileptic drug. Cryst. (EtOH aq.). Mp 52-53°. $Bp_{0.1}$ 121-122°.

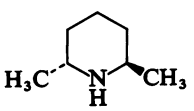
▷WN2625000.

Miller, C.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4895 (*synth*)
Marshall, P.G. *et al*, *J. Pharm. Pharmacol.*, 1954, **6**, 740 (*pharmacol*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1972, **305**, 757, 849 (*synth, abs config*)
Nicholls, P.J. *et al*, *Br. J. Pharmacol.*, 1972, **45**, 48 (*metab*)
Dudley, K.H. *et al*, *Drug Metab. Dispos.*, 1974, **2**, 113 (*metab*)
Kornet, M.J. *et al*, *J. Med. Chem.*, 1977, **20**, 1210 (*synth*)
Wijnberg, J.B.P.A. *et al*, *Tetrahedron*, 1978, **34**, 179 (*synth*)
Ferrendeli, J.A. *et al*, *Adv. Neurol.*, 1980, **27**, 587 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6614.

2,6-Dimethylpiperidine D-00448

*Lupetidine, 8CI. Nanofine. **Nanofin, INN***

[504-03-0]



(2R,6R)-form
Absolute configuration

$C_7H_{15}N$ M 113.202

▷OK5775000.

(2R,6R)-form

Alkaloid from *Nanophyton erinaceum* (Chenopodiaceae). Ganglion blocking agent. Oil. $[\alpha]_D$ −43.02° (neat).

B,HCl: [5072-45-7]. Mp 280-282°.

N-*Me:* ***1,2,6-Trimethylpiperidine***.
$C_8H_{17}N$ M 127.229
Obt. from *N. erinaceum* (Chenopodiaceae).

(2RS,6RS)-form [10066-29-2]

(±)-trans-*form*

Oil. Bp 136-138°.

B,HCl: Cryst. (EtOAc/AcOH). Mp 236-238°.

Picrate: Mp 144-146°.

N-*Me:* Bp 154-155°.

N-*Me, picrate:* Mp 244-245°.

(2RS,6SR)-form [766-17-6]

cis-*form*

Oil. Bp 127-128°.

N-*Me:* Bp_{12} 50-55°.

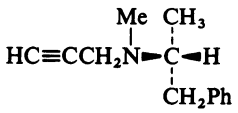
N-*Me, picrate:* Mp 225°.

Marcuse, A. *et al*, *Ber.*, 1899, **32**, 2528 (*synth*)
Adkins, H. *et al*, *J. Am. Chem. Soc.*, 1934, **56**, 2427 (*synth*)
Kuzovkov, A.D. *et al*, *Zh. Obshch. Khim.*, 1950, **20**, 1524 (*isol*)
U.S.P., 2 813 100, (*1957*); *CA*, **52**, 6414f (*synth*)
Hill, R.K. *et al*, *J. Org. Chem.*, 1966, **31**, 3451 (*abs config*)
Vidal-Beretervide, K. *et al*, *J. Pharmacol. Exp. Ther.*, 1966, **152**, 181 (*pharmacol*)
Kawazoe, Y. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 429 (*synth, pmr*)
Lecomte, C. *et al*, *Cryst. Struct. Commun.*, 1975, **4**, 477 (*cryst struct*)
House, H.O. *et al*, *J. Org. Chem.*, 1976, **41**, 863 (*synth, deriv*)
Duthaler, R.O. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 8406 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 156.
Frazer, R.R. *et al*, *Tetrahedron Lett.*, 1982, **23**, 4195 (*cmr*)
Erra-Balsells, R. *et al*, *Aust. J. Chem.*, 1988, **41**, 103 (*pmr, cmr, ms*)

***N*,α-Dimethyl-*N*-2-propynylphenethylamine, 8CI** D-00449

N,α-*Dimethyl*-N-*propynylbenzeneethanamine, 9CI. Methyl*(α-*methylphenethyl*)*prop-2-ynylamine*. N-*Methyl*-N-*2-propynylamphetamine*. ***Selegiline, BAN, INN***. *Deprenyl. Cardison. Deprenaline*

[2323-36-6]



(R)-form

$C_{13}H_{17}N$ M 187.284

Psychoenergetic, anorexic agent.

(R)-form [14611-51-9]

L-*form*

Oil. Bp_5 92-93°. $[\alpha]_D^{20}$ −11.2°. LD_{50} in rats 81 mg/kg, i.v.; 280 mg/kg, s.c.

B,HCl: [14611-52-0]. *Eldepryl. Jumex. Lesotal. Tumex. E 250.* Antiparkinsonian drug, monoamine oxidase inhibitor. Mp 170-171°. $[\alpha]_D^{22}$ −14.8° (H_2O).

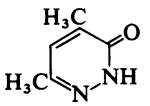
▷DA0292500.

(±)-form [4530-70-5]

Oil. Bp_5 103-110°.

Swett, L.R. *et al*, *Ann. N.Y. Acad. Sci.*, 1963, **107**, 891 (*pharmacol*)
Swiss. Pat., 393 306, (*1965*); *CA*, **64**, 2004d (*synth*)
Magyar, K. *et al*, *Acta Physiol. Acad. Sci. Hung*, 1967, **32**, 377 (*toxicol*)
Netherlands Pat., 6 605 956, (*1966*); *CA*, **67**, 21611y (*synth*)
Knoll, J., *Ciba Found. Symp.*, 1976, 39 (*pharmacol*)
Fowler, J.S., *J. Org. Chem.*, 1977, **42**, 2637 (*synth, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13228.

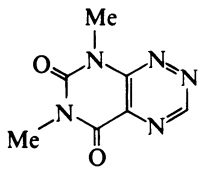
4,6-Dimethyl-3(2*H*)-pyridazinone, 8CI D-00450
Cetohexazine, INN. *Ketohexazine*
[7007-92-3]



$C_6H_8N_2O$ M 124.142
Hypnotic, tranquilliser. Mp 57-58°.
B,HBr: Mp 223°.
Levisalles, J., *Bull. Soc. Chim. Fr.*, 1957, 1004 (*synth, uv*)
U.S.P., 3 053 731, (*1962*); *CA*, **58**, 2327c (*pharmacol, tox*)

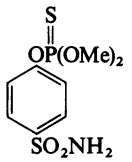
4,6-Dimethyl-2(1*H*)-pyridinone, 9CI D-00451
[16115-08-5]
C_7H_9NO M 123.154
Major tautomer of 2-hydroxy-4,6-dimethylpyridine, q.v. for *O*-subst. derivs. Cryst. (H_2O). V. sol. EtOH, $CHCl_3$, sol. hot H_2O, spar. sol. cold H_2O, Et_2O, ligroin, C_6H_6. Mp 180°, 186°. Sublimes in needles.
N-*Me:* [15031-89-7]. *1,4,6-Trimethyl-2(1H)-pyridinone.*
$C_8H_{11}NO$ M 137.181
Prisms (hexane). Mp 84-85°.
1-Hydroxy: [29342-02-7]. *1-Hydroxy-4,6-dimethyl-2(1H)-pyridone, 9CI.* ***Metipirox, INN.***
$C_7H_9NO_2$ M 139.154
Bactericide. Needles. Mp 135°.
Knoevenagel, E. *et al*, *Ber.*, 1902, **35**, 2390.
Mumm, O. *et al*, *Ber.*, 1923, **56**, 2301 (*deriv*)
Hull, R., *J. Chem. Soc.*, 1951, 1136.
Ziegler, E. *et al*, *Monatsh. Chem.*, 1969, **100**, 132 (*synth*)
Rajla, F.K. *et al*, *J. Chem. Soc.* (*C*), 1971, 2044 (*synth, uv, pharmacol, Metipirox*)
Lohaus, G. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1311 (*synth, props, Metipirox*)

6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, 9CI D-00452
Fervenulin. Planomycin. Pulanomycin. Antibiotic 10204-BII
[483-57-8]



$C_7H_7N_5O_2$ M 193.165
Isol. from *Streptomyces fervens* and *S. rubrireticuli.* Active against gram-positive and -negative bacteria and possesses antitumour props. Cryst. Mp 178-179°.
▷UW7900000.
Daves, G.D. *et al*, *J. Org. Chem.*, 1961, **26**, 5257 (*isol, struct, uv, ir*)
Yoneda, F. *et al*, *J. Heterocycl. Chem.*, 1970, **7**, 1443 (*synth*)
Taylor, E.C. *et al*, *J. Org. Chem.*, 1975, **40**, 2321 (*synth, nmr*)
Senda, S. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 7358 (*synth*)
Ichiba, M. *et al*, *J. Org. Chem.*, 1978, **43**, 469 (*synth, ir, uv, ms, nmr*)

***O,O*-Dimethyl *O*-4-sulfamoylphenyl phosphorothioate** D-00453
O,O-*Dimethyl* O-(*4-aminosulfonylphenyl*) *phosphorothioate, 9CI.* O,O-*Dimethyl phosphorothioate, ester with* p-*hydroxybenzene sulfonamide, 8CI. Cyflee*
[115-93-5]



$C_8H_{12}NO_5PS_2$ M 297.280
Vet. insecticide. Solid. Insol. H_2O, sol. C_6H_6, Me_2CO, Et_2O, EtOH. Mp 73-74°.
▷TF7525000.
Pesticide Manual, 7th Ed., 209.

Dimethyl sulfoxide, BAN, USAN, INN D-00454
Sulfinylbismethane, 9CI. Methyl sulfoxide. DMSO. Dermavet. Iduridine. NSC 763. Numerous proprietary names
[67-68-5]

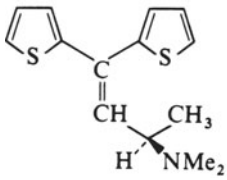
MeSOMe

C_2H_6OS M 78.129
Widely used solvent and reagent in org. synth. Dissolves some inorganic salts, facilitates many reactions. Oxidising agent. Pharmaceutical aid for vet. applications. Topical antiinflammatory agent. Misc. H_2O, org. solvs. d_4^{20} 1.100. Mp 18.5°. Bp 189°, $Bp_{0.37}$ 20°.
▷Irritant, readily penetrates skin. Reacts violently or explosively with many substances. PV6210000.
U.S.P., 2 581 050, (*1952*); *CA*, **46**, 8669 (*synth*)
Allan, G.G. *et al*, *Chem. Ind.* (*London*), 1967, 1706 (*haz*)
Jacob, S.W. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1553 (*pharmacol, tox*)
Martin, D. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1967, **6**, 318 (*rev*)
Jacob, S.W. *et al*, Eds., *Ann. N.Y. Acad. Sci.*, 1975, Vol. **243** (*book*)
Mancuso, J. *et al*, *Synthesis*, 1981, 165 (*rev, bibl*)
Kharasch, N. *et al*, *Ann. N.Y. Acad. Sci.*, 1983, **411**, 391 (*rev, struct, props*)
Swanson, B.N. *et al*, *Rev. Clin. Basic Pharmacol.*, 1985, **5**, 1 (*rev, pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **8**, 198.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 64.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 394-6.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 307.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1201.

Dimethylthiambutene, BAN, INN D-00455

N,N-*Dimethyl-4,4-di-2-thienyl-3-buten-2-amine, 9CI.* N,N,*1-Trimethyl-3,3-di-2-thienylallylamine, 8CI. Dimethibutin. Dimetiltiambutene. Other proprietary names*

[524-84-5]



(*R*)-*form* Absolute configuration

$C_{14}H_{17}NS_2$ M 263.415

▷BA6900000.

(*R*)-*form*

The pharmacol. active enantiomer.

(*S*)-*form*

Yellow oil.

B,HBr: Pale buff plates (Et_2O/EtOH). Mp 163-164°. $[\alpha]_D^{22}$ −104° (c, 0.4 in H_2O).

(±)-*form*

Narcotic analgesic. Viscous dark-yellow oil. $Bp_{0.05}$ 123-125°.

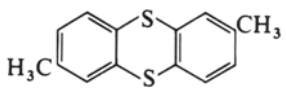
B,HCl: Cryst. (EtOH/EtOAc). Mp 169-170°.

Adamson, D.W., *J. Chem. Soc.*, 1950, 885 (*synth*)
Eddy, N.B. *et al, J. Pharmacol. Exp. Ther.*, 1953, **107**, 385 (*pharmacol*)
Green, A.F., *Br. J. Pharmacol.*, 1953, **8**, 2 (*pharmacol*)
Beckett, A.H. *et al, J. Chem. Soc.*, 1955, 900 (*abs config*)
Iwata, N. *et al, Jpn. J. Pharmacol.*, 1971, **21**, 427, 447 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3175 (*synonyms*)

2,7-Dimethylthianthrene, 9CI, 8CI D-00456

Mesulfen, INN. *Mesulphen, BAN. Caldorene. Mitigal. Thianthol. Other proprietary names*

[135-58-0]



$C_{14}H_{12}S_2$ M 244.369

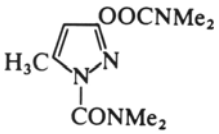
Used in treatment of skin infections. Scabicide. Needles (AcOH, EtOAc or EtOH). Mp 123°. Bp_{14} 228-231°, Bp_3 184°.

Cohen, J.B. *et al, J. Chem. Soc.*, 1899, **75**, 890 (*synth*)
Rumpf, P., *Bull. Soc. Chim. Fr.*, 1940, **7**, 632 (*synth*)
Gordon, R.M. *et al, Ann. Trop. Med.*, 1943, **37**, 195 (*props*)
Sullivan, P.D., *J. Am. Chem. Soc.*, 1968, **90**, 3618 (*esr*)
Wei, C.H., *Acta Crystallogr., Sect. B*, 1971, **27**, 1523 (*struct*)
Eur. Pat., 19 720, (*1980*); *CA*, **94**, 162756 (*use*)
Giordan, J. *et al, Chem. Ber.*, 1982, **115**, 2548 (*radical ion*)
Weakley, T.J.R., *Cryst. Struct. Commun.*, 1982, **11**, 681 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3055 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1622.

Dimetilan, BSI D-00457

Dimethylcarbamic acid 1-[(1-dimethylamino)carbonyl]-5-methyl-1H-pyrazol-3-yl ester. G 22870. GS 13332. OMS 479

[644-64-4]



$C_{10}H_{16}N_4O_3$ M 240.261

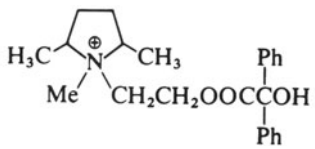
Insecticide (cholinesterase inhibitor). Solid. V. sol. H_2O. Mp 68-71°.

▷EZ9084000.

U.S.P., 2 681 879, (*1949*); *CA*, **49**, 8333f
Casina, J.E. *et al, J. Econ. Entomol.*, 1960, **53**, 205.
Hodgson, E. *et al, Biochem. Pharmacol.*, 1961, **8**, 179 (*props*)
Gubler, K. *et al, J. Sci. Food. Agr.*, 1968 (*Suppl.*), 13
Ramsteiner, K.A. *et al, J. Chromatogr.*, 1975, **104**, 438 (*hplc*)
Pesticide Manual, 6th Ed., 205.

Dimetipirium(1+) D-00458

1-[2-[(Hydroxydiphenylacetyl)oxy]ethyl]-1,2,5-trimethylpyrrolidinium, 9CI. 1-(2-Hydroxyethyl)-1,2,5-trimethylpyrrolidinium benzilate



$C_{23}H_{30}NO_3^{\oplus}$ M 368.495 (ion)

Spasmolytic, antineoplastic, anticholinergic agent.

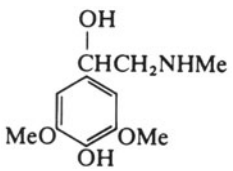
Bromide: [51047-24-6]. *Dimetipirium bromide, INN.*
$C_{23}H_{30}BrNO_3$ M 448.399
Cryst. (EtOH/EtOAc). Mp 186-187°.

Ger. Pat., 2 315 200, (*1973*); *CA*, **80**, 14840n (*synth, pharmacol*)

Dimetofrine, INN D-00459

4-Hydroxy-3,5-dimethoxy-α-[(methylamino)methyl]-benzyl alcohol, 8CI

[22950-29-4]



$C_{11}H_{17}NO_4$ M 227.260

(±)-*form*

Sympathomimetic, hypertensive agent. Mp 178° dec. pK_a 9.71.

B,HCl: [22775-12-8]. *Dimetofrine hydrochloride. Dovida. Pressamina. SM-14. Superten.* Mp 171-173°.

▷DO6460000.

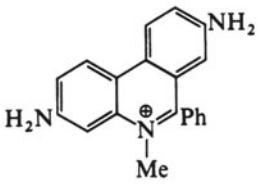
Maleate: [22775-15-1]. Mp 194-198°.

B.P., 1 145 637, (*1969*); *CA*, **71**, 38585y (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2051.

Dimidium(1+) D-00460

3,8-Diamino-5-methyl-6-phenylphenanthridinium, 9CI

[20566-69-2]



$C_{20}H_{18}N_3^{\oplus}$ M 300.382 (ion)

Antitumour and antitrypanosomal agent.

Chloride: [52671-18-8].

$C_{20}H_{18}ClN_3$ M 335.835

Purple-black plates (EtOH aq.). Mp 253° dec.

Bromide: [518-67-2]. *Trypadine. Phenanthridinium 1553.*

$C_{20}H_{18}BrN_3$ M 380.286

Dark-red cryst. Mp ~250°. Bitter taste.

Sulphate:

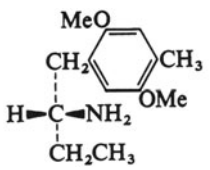
$C_{20}H_{18}N_3O_4S$ M 396.440

Orange plates. Mp 278° dec.

Barber, H.J. *et al*, *J. Soc. Chem. Ind.*, 1950, **69**, 82 (*synth*)
Goodwin, L.G. *et al*, *Br. J. Pharmacol.*, 1950, **5**, 261; 1952, **7**, 581, 591 (*pharmacol*)
Grooves, M.J. *et al*, *J. Pharm. Pharmacol.*, 1964, **16**, 140 (*synth, pharmacol*)
Cain, B.F. *et al*, *J. Med. Chem.*, 1969, **12**, 199 (*pharmacol*)
Courseille, C. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2631 (*cryst struct*)
Griggs, B.G. *et al*, *Org. Magn. Reson.*, 1980, **14**, 371 (*cmr*)

Dimoxamine D-00461

α-Ethyl-2,5-dimethoxy-4-methylbenzeneethanamine, 9CI. *1-(2,5-Dimethoxy-4-methylphenyl)-2-butylamine*



$C_{13}H_{21}NO_2$ M 223.314

(R)-form [52842-59-8]

Memory adjuvant.

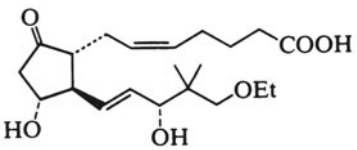
B,HCl: [52663-86-2]. *Dimoxamine hydrochloride*, *USAN. BL 3912A.* Mp 245-246.5°. $[\alpha]_{365}^{26}$ −50.7° (c, 1 in EtOH).

Standridge, R.T. *et al*, *J. Med. Chem.*, 1976, **19**, 1400; 1980, **23**, 154 (*synth, pharmacol*)

Dimoxaprost, INN D-00462

7-[2-(5-Ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl)-3-hydroxy-5-oxocyclopentyl]-5-heptenoic acid, 9CI. *Hoe 260*

[90243-98-4]



$C_{21}H_{34}O_6$ M 382.496

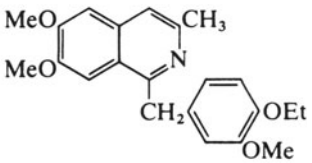
Antisecretory, cytoprotective agent.

Ger. Pat., 2 416 193, (*1975*); *CA*, **84**, 135175 (*synth, pmr*)
Bickel, M. *et al*, *Biomed. Biochim. Acta*, 1984, **43**, 235 (*pharmacol*)

Dimoxyline, INN D-00463

1-(4-Ethoxy-3-methoxybenzyl)-6,7-dimethoxy-3-methylisoquinoline, 9CI. *Dioxyline. Paveril*

[147-27-3]



$C_{22}H_{25}NO_4$ M 367.444

Vasodilator. Mp 124-125°.

▷NX0700000.

B,HCl: Mp 196-208°.

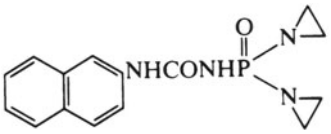
Phosphate: [5667-46-9]. *LO 8146. Paverone.* Mp 197-199° dec.

U.S.P., 2 728 769, (*1955*); *CA*, **51**, 7436gh (*synth, pharmacol*)
Hanna, C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **185**, 228 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5231.

Dinaphthimine D-00464

N-[*Bis(1-aziridinyl)phosphinyl*]-N′-*2-naphthalenylurea*, 9CI. *Preparation 484*

[4412-21-9]



$C_{15}H_{17}N_4O_2P$ M 316.299

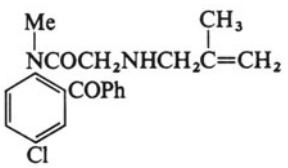
Antineoplastic agent. Mp 147-149°.

Kropacheva, A.A. *et al*, *Zh. Obshch. Khim.*, 1962, **32**, 1540 (*synth*)
Kulik, G.I. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1964, 109 (*pharmacol*)
Yankovskaya, T.S., *CA*, 1970, **73**, 33810 (*pharmacol*)

Dinazafone, INN D-00465

N-(*2-Benzoyl-4-chlorophenyl*)-N-*methyl-2*[(*2-methyl-2-propenyl*)*amino*]*acetamide*, 9CI. *2′-Benzoyl-4′-chloro-N-methyl-2-*[(*2-methylallyl*)*amino*]*acetanilide. N-Methyl-N′-methyl-2′-allyl-2-benzoyl-4-chloroglycínanilide. F 1797*

[71119-12-5]



$C_{20}H_{21}ClN_2O_2$ M 356.851

Anticonvulsant, anxiolytic.

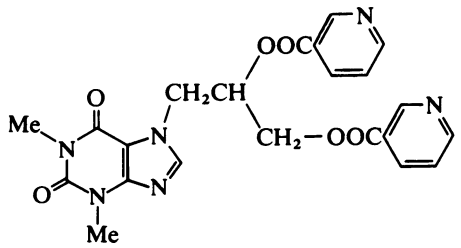
B,HCl: [70541-21-8]. Cryst. Mp 166°.

Ballabio, M. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 959 (*metab*)
U.S.P., 4 372 975, (*1983*); *CA*, **99**, 6040

Diniprofylline, INN **D-00466**

3-Pyridinecarboxylic acid 1-[(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-yl)methyl]-1,2-ethanediyl ester, 9CI. *7-(2,3-Dihydroxypropyl)theophylline dinicotinate,* 8CI. *A17 HF. Diteonicon*

[17692-30-7]



$C_{22}H_{20}N_6O_6$ M 464.437

Vasodilator, broncholytic agent. Mp 162-163°.

B,2HCl: [20085-29-4]. Mp 200-205°.

Oxalate: [20085-30-7]. Mp 122°.

B,2MeI: [20493-34-9]. Mp 258°.

B.P., 1 115 255, (*1968*); *CA*, **69**, 67433m (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 633.

4,5-Dinitro-1,2-benzenedicarboxylic acid, 9CI **D-00467**

4,5-Dinitrophthalic acid, 8CI

$C_8H_4N_2O_8$ M 256.128

Mp 215-217°.

Mono-Me ester:

$C_9H_6N_2O_8$ M 270.155

Mp 185-187°.

Di-Me ester:

$C_{10}H_8N_2O_8$ M 284.182

Mp 139°.

Mono-Et ester:

$C_{10}H_8N_2O_8$ M 284.182

Mp 181-183°.

Di-Et ester:

$C_{12}H_{12}N_2O_8$ M 312.235

Mp 109°.

Chloride:

$C_8H_3ClN_2O_7$ M 274.574

Mp 100-101°.

Anhydride:

$C_{16}H_6N_4O_{15}$ M 494.241

Mp 158-159°.

Goldstein, H. *et al*, *Helv. Chim. Acta*, 1952, **55**, 1476.

3,5-Dinitrobenzoic acid, 9CI, 8CI **D-00468**

[99-34-3]

$C_7H_4N_2O_6$ M 212.118

Corrosion inhibitor, also used in photography. Cryst. (EtOH aq.). Mp 206-207°. pK_a 2.824 (25°, H_2O).

Me ester: [2702-58-1].

$C_8H_6N_2O_6$ M 226.145

Mp 112°.

Et ester: [618-71-3].

$C_9H_8N_2O_6$ M 240.172

Mp 93°.

Chloride: [99-33-2].

$C_7H_3ClN_2O_5$ M 230.564

Reagent for isol. and characterisation of alcohols. Needles. Mp 74°. Bp_{11} 196°.

▷Highly toxic, irritant. DM6637000.

Amide: [121-81-3]. *3,5-Dinitrobenzamide.* ***Nitromide, USAN.*** *NSC 60719.*

$C_7H_5N_3O_5$ M 211.134

Coccidiostat for poultry. Leaflets. Mp 183°.

Anhydride: [40993-10-0].

$C_{14}H_6N_4O_{11}$ M 406.222

Mp 109°.

Nitrile: [4110-35-4]. *1-Cyano-3,5-dinitrobenzene.*

$C_7H_3N_3O_4$ M 193.118

Cryst. (isopropyl ether). Mp 130-131°.

▷DI4365000.

Org. Synth., Coll. Vol., **3**, 337.

Bachman, G.B. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 5871 (*synth*)

Belg. Pat., 612 706, (*1962*); *CA*, **58**, 2786g (*use, amide*)

Finan, P.A. *et al*, *J. Chem. Soc.*, 1962, 2824 (*synth, amide*)

Dippy, J.F.S. *et al*, *J. Chem. Soc.*, 1964, 154 (*synth*)

Mai, K. *et al*, *Tetrahedron Lett.*, 1986, **27**, 2203 (*nitrile*)

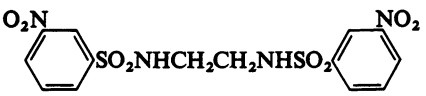
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 320.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 617.

Dinsed, USAN, INN **D-00469**

N,N′-*1,2-Ethanediylbis*[*3-nitrobenzenesulfonamide*], 9CI. N,N′-*Ethylenebis*[*3-nitrobenzenesulfonamide*], 8CI. *NSC 5109*

[96-62-8]



$C_{14}H_{14}N_4O_8S_2$ M 430.407

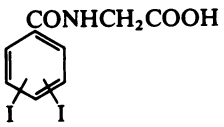
Coccidiostat for poultry. Pale-yellow platelets (AcOH). Mp 189-191° dec.

Chattaway, F.D., *J. Chem. Soc.*, 1905, **87**, 381 (*synth*)

U.S.P., 2 715 600, (*1955*); *CA*, **50**, 2929c (*pharmacol*)

Diohippuric acid **D-00470**

Diiodohippuric acid. N-[*Diiodobenzoyl*]*glycine*



$C_9H_7I_2NO_3$ M 430.968

^{125}I and ^{131}I cpds. are used as radioactive agents.

2,5-Diiodo: Cryst. (EtOH). Mp 210.5-211°.

3,4-Diiodo: Mp 150-154°.

3,5-Diiodo: [69104-87-6]. Mp 213°.

U.S.P., 2 160 413, (*1939*); *CA*, **33**, 7317 (*synth*)

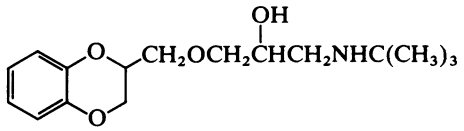
Klemme, C.J. *et al*, *J. Org. Chem.*, 1940, **5**, 227 (*synth*)

Tse, J.W. *et al*, *Int. J. Nucl. Med. Biol.*, 1978, **5**, 77 (*synth, metab*)

Dioxadilol, INN D-00471

1-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methoxy]-3-[(1,1-dimethylethyl)amino]-2-propanol, 9CI

[80743-08-4]



$C_{16}H_{25}NO_4$ M 295.378

(±)-form

Antiarrhythmic agent, β-adrenergic blocker.

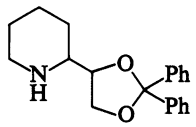
Maleate: [80743-09-5]. Cryst. (EtOAc/isopropyl ether). Mp 90°.

Eur. Pat., 37 778, (*1981*); *CA*, **96**, 85566 (*synth, pharmacol*)

Dioxadrol, INN D-00472

2-(2,2-Diphenyl-1,3-dioxolan-4-yl)piperidine, 9CI. 2,2-Diphenyl-5-(2-piperidyl)-1,3-dioxolane. Oxadrolum. Rydar. CL 639C

[6495-46-1]



$C_{20}H_{23}NO_2$ M 309.407

(+)-form [4741-41-7]

Dexoxadrol, INN. *Relane. CL 911C. NSC 526062. U 22559A*

Antidepressant. Central stimulant and analgesic.

B,HCl: [631-06-1]. *Dexoxadrol hydrochloride, USAN.* Mp 256-260°. $[\alpha]_D^{20}$ +34° (c, 2 in MeOH).

▷TM7630000.

(−)-form [4792-18-1]

Levoxadrol, INN. *Levoxan. CL 912C. NSC 526063. U 22304A*

Antidepressant.

B,HCl: [23257-58-1]. *Levoxadrol hydrochloride, USAN.* Mp 251-254°. $[\alpha]_D^{25}$ −34.5° (c, 2 in MeOH).

▷TM7640000.

(±)-form

Antidepressant. Oil.

B,HCl: [3666-69-1]. *Dioxadrol hydrochloride, USAN.* Cryst. (MeOH). Mp 267° dec.

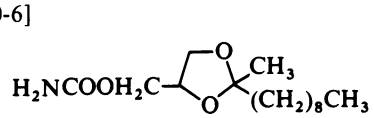
▷TM7600000.

Belg. Pat., 613 262, (*1962*); *CA*, **57**, 16630 (*synth, resoln*)
Hardie, W.R. *et al*, *J. Med. Chem.*, 1966, **9**, 127 (*synth, pharmacol*)
Williams, M.W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **178**, 26 (*pharmacol*)

Dioxamate, BAN, INN D-00473

4-Carbamoyloxymethyl-2-methyl-2-nonyl-1,3-dioxolan. (2-Methyl-2-nonyl-1,3-dioxolan-4-yl)methyl carbamate. A 2655

[3567-40-6]



$C_{15}H_{29}NO_4$ M 287.398

Anticonvulsant. Cryst. Mp 61-66°. Stereoisomeric mixt.

High-melting-form

Cryst. (C_6H_6). Mp 79-80°.

Low-melting-form

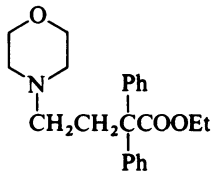
Cryst. (C_6H_6). Mp 63-64°.

U.S.P., 3 058 981, (*1962*); *CA*, **58**, 6841 (*synth*)
McColl, J.D. *et al*, *Toxicol. Appl. Pharmacol.*, 1962, **4**, 263 (*pharmacol*)

Dioxaphetyl butyrate, BAN, INN D-00474

α,α-Diphenyl-4-morpholinebutanoic acid ethyl ester, 9CI. Ethyl 4-morpholino-2,2-diphenylbutyrate. Amidalgon. Spasmoxal

[467-86-7]



$C_{22}H_{27}NO_3$ M 353.460

Narcotic analgesic. Spasmolytic. Cryst. Mp 68.5-70°. $Bp_{0.5}$ 170-180°.

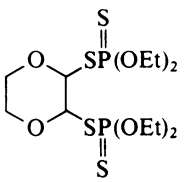
B,HCl: Cryst. Mp 167.5-168.5°.

Dupré, D.J. *et al*, *J. Chem. Soc.*, 1949, 500 (*synth*)
Specter, M.E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 57 (*synth*)
Janssen, P.A.J. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 381 (*pharmacol*)
Kwapiszewski, W. *et al*, *Acta Pol. Pharm.*, 1983, **40**, 419 (*synth, ms*)

Dioxathion, BSI, BAN D-00475

1,4-Dioxan-2,3-diyl S,S-di(O,O-diethyl phosphorodithioate), 9CI. S,S'-(1,4-Dioxane-2,3-diyl) O,O,O',O'-tetraethyl di(phosphorothioate). 2,3-p-Dioxanedithiol S,S-bis(O,O-diethyl phosphorodithioate). ***Dioxation, INN.*** *Delnav. AC 528*

[78-34-2]



$C_{12}H_{26}O_6P_2S_4$ M 456.521

Tech. prod. is a mixt. of *cis-* and *trans*-isomers plus other compds. Non-systemic insecticide and acaricide. Brown liq. (tech. grade). d_4^{26} 1.257. Mp −20°. $Bp_{0.5}$ 60-68°. n_D^{20} 1.5409 (1.5420). Solns. in C_6H_6/hexane are more stable than pure compd.

▷TE3350000.

Cis-form [16088-56-5]

Liq.

▷More toxic to flies and rats than trans-form. TD7527000.

Trans-form [16270-86-3]

Liq.

▷TD7526000.

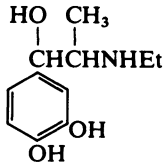
Diveley, W.R. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 139 (*synth*)
Schuntner, C.A. *et al*, *J. Chromatogr.*, 1967, **27**, 272 (*isom, ir*)
Babad, H. *et al*, *Anal. Chim. Acta*, 1968, **41**, 259 (*pmr*)
Harned, W.H. *et al*, *J. Agric. Food Chem.*, 1976, **24**, 689 (*isom, props, tlc, ir, pmr, ms*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Stan, H.-J. *et al*, *Biomed. Mass. Spectrom.*, 1982, **9**, 483 (*ms*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)

Pesticide Manual, 6th Ed., 213; 7th Ed., 217.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A163.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 538.

Dioxethedrin, INN D-00476

4-[2-(Ethylamino)-1-hydroxypropyl]-1,2-benzenediol, 9CI. α-[1-(Ethylamino)ethyl]-3,4-dihydroxybenzyl alcohol, 8CI. N-Ethyl-3,4-dihydroxynorephedrine. 2-Ethylamino-1-(3,4-dihydroxyphenyl)-1-propanol. α-(1-Ethylaminoethyl)protocatechuyl alcohol. C 247

[497-75-6]



$C_{11}H_{17}NO_3$ M 211.260
Bronchodilator, antitussive, sympathomimetic agent. Used mainly as hydrochloride.

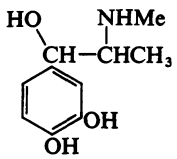
B,HCl: [22930-85-4]. Mp 212-214°.

Lespagnol, A. *et al*, *Ann. Pharm. Fr.*, 1960, **80**, 445 (*synth, pharmacol*)
Hutzinger, O. *et al*, *Can. J. Chem.*, 1969, **47**, 2003 (*synth*)

Dioxifedrine, INN D-00477

3,4-Dihydroxy-α-[1-(methylamino)ethyl]benzyl alcohol, 8CI. 4-[1-Hydroxy-2-(methylamino)propyl-1,2-benzenediol, 9CI. 1-(3,4-Dihydroxyphenyl)-2-methylamino-1-propanol. 3,4-Dihydroxyephedrine

[10329-60-9]



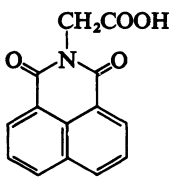
$C_{10}H_{15}NO_3$ M 197.233
Sympathomimetic agent.

Fr. Pat., 939 727, (*1948*); *CA*, **45**, 5186g (*synth*)
Thies, H. *et al*, *Pharmazie*, 1962, **295**, 194 (*uv*)
Murnaghan, M.F., *Arch. Int. Pharmacodyn.*, 1965, **155**, 332 (*pharmacol*)

1,3-Dioxo-1*H*-benz[*de*]isoquinoline-2(3*H*)-acetic acid, 9CI D-00478

Alrestatin, INN

[51411-04-2]



$C_{14}H_9NO_4$ M 255.229
Aldose reductase inhibitor used for treatment of side effects of diabetes. Mp 271-272°.

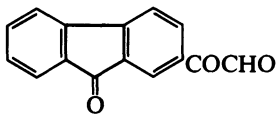
▷DE4080500.

Na salt: [51876-97-2]. *Alrestatin sodium, USAN. AY 22284.*

U.S.P., 3 821 383, (*1974*); *CA*, **81**, 176158 (*synth, pharmacol*)
Varma, S.D. *et al*, *Science*, 1975, **188**, 1215 (*pharmacol*)
Gabbay, K.H. *et al*, *Metab. Clin. Exp.*, 1979, **28** (*Suppl. 1*), 471 (*metab*)
El-Naggar, A.M. *et al*, *Egypt. J. Chem.*, 1981, **24**, 127 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16022.

α,9-Dioxo-9*H*-fluorene-2-acetaldehyde D-00479

[42834-66-2]



$C_{15}H_8O_3$ M 236.226
Cryst. (AcOH) + $2H_2O$. Mp 198-200° (as dihydrate).

Sodium bisulfite cpd.: [51367-77-2]. *Florenal.*
$C_{15}H_9NaO_6S$ M 340.282
Antiviral agent.

Uretskaya, G.Y. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 3053 (*synth*)
Grinev, A.N. *et al*, *Khim. Farm. Zh.*, 1976, **10**, 1397 (*synth, ir*)

Dipenine(1+) D-00480

2-[(Dicyclopentylacetyl)oxy]-N,N,N-triethylethanaminium, 9CI. 2-Dicyclopentylacetoxyethyltriethylammonium. Diponium



$C_{20}H_{38}NO_2^{\oplus}$ M 324.526 (ion)
Antispasmodic drug.

Bromide: [2001-81-2]. *Dipenine bromide, BAN. Diponium bromide, INN. Espaston. Spaston. Unospaston. DCDE. HL 267. Sa 267.*
$C_{20}H_{38}BrNO_2$ M 404.430
Mp 185-186°.

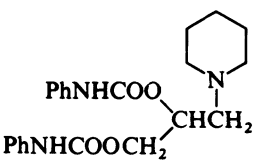
▷BR1210000.

Barrelet, Ch. *et al*, *CA*, 1960, **54**, 3758 (*synth*)
Stille, G., *Arzneim.-Forsch.*, 1960, **10**, 911 (*pharmacol*)
Swiss Pat., 344 054, (*1960*); *CA*, **55**, 418 (*synth*)
Haeusler, G. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 878 (*pharmacol*)
Partsch, G. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1983, **3**, 55 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12668.

Diperodon, BAN, INN, USAN D-00481

3-(1-Piperidinyl)-1,2-propanediol bis(phenylcarbamate) ester, 9CI. Diothane. Diothoid

[101-08-6]



$C_{22}H_{27}N_3O_4$ M 397.473

(±)-form

Local anaesthetic. Used mainly as hydrochloride.

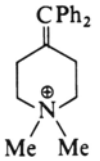
B,HCl: Proctodon. Insol. C_6H_6, Et_2O, spar. sol. H_2O, Me_2CO. Mp 195-200° dec.

Rider, T.H., *J. Am. Chem. Soc.*, 1930, **52**, 2115 (*synth*)
Rider, T.H., *J. Pharmacol.*, 1938, **64**, 1 (*pharmacol*)
Dofek, R. *et al*, *J. Am. Pharm. Assoc.*, 1959, **48**, 398 (*synth*)
Sekera, A., *Actual. Pharmacol.*, 1961, **14**, 197 (*props, pharmacol*)
O'Brian, K.P. *et al*, *Bull. Narc.*, 1970, **22**, 35 (*ir*)
Cohen, J.L., *Anal. Profiles Drug Subst.*, 1977, **6**, 99 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7623, 7624.

Diphemanil (1+) D-00482

4-(Diphenylmethylene)-1,1-dimethylpiperidinium, 9CI, 8CI. N,N-*Dimethyl-4-piperidylidene-1,1-diphenylmethane. Vagophemanil*

[479-72-1]



$C_{20}H_{24}N^{\oplus}$ M 278.416 (ion)
Antispasmodic, anticholinergic agent.

Methosulphate: [62-97-5]. *Diphemanil methylsulfate, BAN. Diphemanil metilsulfate, INN. Demotil. Diphenatil. Nivelon. Prantal. Prantil. Prentol. Talpran. Variton.* Sol. H_2O. Mp 194-195°.

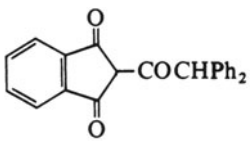
▷TN5075000.

Margolin, S. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1951, **78**, 576 (*pharmacol*)
Sperber, N. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 5010 (*synth*)
Carminati, G.M., *Arch. Int. Pharmacodyn.*, 1965, **153**, 359 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 364.

Diphenadione, BAN, INN D-00483

2-(Diphenylacetyl)-1H-indene-1,3(2H)-dione, 9CI. 2-(Diphenylacetyl)-1,3-indandione, 8CI. Didandin. Didion. Difexan. Dipaxin. Diphacinone. Diphenacin. Oragulant. Solvan. U 1363. URI 788

[82-66-6]



$C_{23}H_{16}O_3$ M 340.378
Anticoagulant, rodenticide. Pale-yellow cryst. (EtOH). Sol. Me_2CO, AcOH, sl. sol. C_6H_6. Mp 146-147°.

▷Highly toxic orally. NK5600000.

1-Hydrazone: [5102-79-4].
$C_{23}H_{18}N_2O_2$ M 354.407
Reagent for determination of carbonyl compds. Yellow cryst. (EtOH/DMF). Mp 305° dec.

U.S.P., 2 672 483, (*1954*); *CA*, **49**, 3264a (*synth*)
Braun, R.A. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 2749 (*synth, deriv*)
Ozols, J. *et al*, *Zh. Obshch. Khim.*, 1958, **28**, 3038 (*synth*)
Mosher, W.A. *et al*, *Talanta*, 1968, **15**, 482 (*use, deriv*)
Pietrzyk, D.J. *et al*, *Anal. Chem.*, 1970, **42**, 37 (*synth, use, deriv*)
Tckhvinska, T.I. *et al*, *CA*, 1976, **85**, 32670q.
Kurth, M.J. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4883 (*cmr, struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 335.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4812.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1231.

Diphenhydramine, BAN, INN D-00484

2-(Diphenylmethoxy)-N,N-dimethylethanamine, 9CI. 2-(Diphenylmethoxy)-N,N-dimethylethylamine, 8CI. Benzhydryl 2-dimethylaminoethyl ether. 2-Dimethylaminoethyl α-phenylbenzyl ether. Numerous proprietary names

[58-73-1]

$Ph_2CHOCH_2CH_2NMe_2$

$C_{17}H_{21}NO$ M 255.359
Antihistamine and virucide. Oil. Bp_3 163-167°, Bp_2 150-165°. Component of Mandrax.

▷KR6825000.

B,HCl: [147-24-0]. *Diphenhydramine hydrochloride, USAN. Histex. Bendylate. Eldadryl. Benadryl.* Component of numerous proprietary preparations. Cryst. ($EtOH/Et_2O$). Mp 161-162°, 166-170°. LD_{50} (rats) 500mg/kg.

▷KR7000000.

Citrate: [88637-37-0]. *Diphenhydramine citrate, USAN.*

8-Chlorotheophylline salt(1:1): [523-87-5]. *Diphenhydramine teoclate.* ***Dimenhydrinate, BAN, INN.*** *Dramamine. Eldodram. Gravol. Numerous proprietary names.*
$C_{24}H_{28}ClN_5O_3$ M 469.970
Antinauseant. Mp 102-107°.

▷XH5082000.

N-*Oxide:* [3922-74-5]. ***Amoxydramine, INN.***
$C_{17}H_{21}NO_2$ M 271.358
Antihistamine. Mp 20°. Normally used as salts.

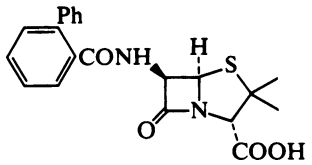
N-*oxide, 2-oxo-10-bornanesulfonate:* [15350-99-9]. *Amoxydramine camsilate, INN.*

U.S.P., 2 421 714, 2 427 878, (*1947*); *CA*, **41**, 5550 (*synth*)
Cusic, J.W., *Science (Washington)*, 1949, **109**, 574 (*synth, Dimenhydrinate*)
Kubo, H. *et al*, *CA*, 1955, **49**, 218 (*synth*)
B.P., 752 707, (*1956*); *CA*, **51**, 5846 (*synth, Dimenhydrinate*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Ostrovkhaya, Y.A., *Med. Prom. SSSR*, 1966, **20**, 23 (*synth*)
Rekker, R.F. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1968, **87**, 1099 (*uv*)
Rekker, R.F. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1572 (*ir, nmr*)
Jaju, B.P. *et al*, *J. Pharmacol. Exp. Ther.*, 1971, **176**, 718 (*Dimenhydrinate*)
Holcomb, I.J. *et al*, *Anal. Profiles Drug Subst.*, 1974, **3**, 173 (*rev, synth, anal, props*)
Eckhardt, G., *Org. Mass Spectrom.*, 1979, **14**, 31 (*ms*)
Julian, E.A. *et al*, *J. Pharm. Sci.*, 1981, **70**, 704 (*struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4439 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6128, 6131, 12669.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 352.

Diphenicillin D-00485

6-[[(1,1'-Biphenyl)-2-ylcarbonyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. 2-Biphenylyl penicillin. Bifencillin. Biphenicillin. BL-P 413. SKF 12141

[304-43-8]



$C_{21}H_{20}N_2O_4S$ M 396.460

Antibiotic.

▷XH8575000.

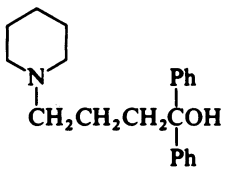
Na salt: [2289-50-1]. *Ancillin.* Cryst. + $1H_2O$. Mp 173-180° dec. $[\alpha]_D^{26}$ +262° (c, 1 in H_2O).

Dolan, M.M. *et al, Antimicrob. Agents Chemother.*, 1961, 648, 757 (*pharmacol*)
Gourevitch, A. *et al, Antibiot. Chemother.*, 1962, **12**, 318 (*synth, pharmacol*)
Sabath, L.D. *et al, Am. J. Med. Sci.*, 1963, **246**, 129 (*pharmacol*)
U.S.P., 3 134 767, (*1964*); *CA*, **61**, 5657 (*synth*)
Hoover, J.R.E. *et al, J. Med. Chem.*, 1964, **7**, 245 (*synth, pharmacol*)

Diphenidol, BAN, USAN D-00486

α,α-Diphenyl-1-piperidinebutanol, 9CI. 1,1-Diphenyl-4-piperidino-1-butanol. Vontrol. ***Difenidol, INN.*** *SKF 478. Numerous proprietary names*

[972-02-1]



$C_{21}H_{27}NO$ M 309.450

Antiemetic drug. Needles (pet. ether). Mp 104-105°.

▷TM4970000.

B,HCl: [3254-89-5]. *Diphenidol hydrochloride, USAN.* Cryst. ($CHCl_3$/EtOAc). Mp 212-214°.

▷TM4970500.

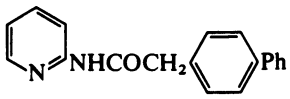
Cpd. with 2-naphthalenecarboxylic acid (1:2): [26363-46-2]. *Diphenidol pamoate, USAN.*

B.P., 683 950, (*1952*); *CA*, **48**, 2112 (*synth, pharmacol*)
Katz, L. *et al, J. Am. Chem. Soc.*, 1952, **74**, 4085 (*synth*)
Gautier, J.A. *et al, Bull. Soc. Chim. Fr.*, 1964, 2145 (*synth*)
Leonard, C.A. *et al, J. Pharmacol. Exp. Ther.*, 1966, **154**, 339 (*pharmacol*)
Kaiser, C. *et al, J. Med. Chem.*, 1972, **15**, 1146 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6231 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6543.

Diphenpyramide D-00487

N-2-Pyridinyl[1,1'-biphenyl]-4-acetamide, 9CI. Difenpiramide. Difenax. Z 876

[51484-40-3]



$C_{19}H_{16}N_2O$ M 288.348

Antiinflammatory, antirheumatic agent. Cryst. (Me_2CO aq.). Mp 122-124°.

▷AB4549000.

B,HCl: [51484-46-9]. Mp 200°.
Maleate: [74476-80-5]. Mp 149-151°.

Ger. Pat., 2 325 309, (*1973*); *CA*, **80**, 70707 (*synth*)
Caliari, S. *et al, Arzneim.-Forsch.*, 1977, **27**, 2086 (*pharmacol*)
Trebbi, A. *et al, Boll. Chim. Farm.*, 1979, **118**, 729 (*uv, ir, pmr, ms, metab*)
Jochems, O.B. *et al, Pharmatherapeutica*, 1986, **4**, 429 (*rev*)

Diphenylacetic acid, 8CI D-00488

α-Phenylbenzeneacetic acid, 9CI. Diphenylmethane-α-carboxylic acid

[117-34-0]

$Ph_2CHCOOH$

$C_{14}H_{12}O_2$ M 212.248

Leaflets (EtOH). Mp 149°.

▷AH2515000.

Me ester: [3469-00-9].
$C_{15}H_{14}O_2$ M 226.274
Cryst. (MeOH aq.). Mp 60°.

Et ester: [3468-99-3].
$C_{16}H_{16}O_2$ M 240.301
Cryst. (EtOH). Mp 58°. Bp_{15} 178°.

Anhydride: [1760-46-9].
$C_{28}H_{22}O_3$ M 406.480
Mp 98°. Bp_{15} 220°.

Chloride: [1871-76-7].
$C_{14}H_{11}ClO$ M 230.693
Cryst. (ligroin). Mp 56-57°. Bp_{15} 178°.
▷AO6750000.

Amide: [4695-13-0].
$C_{14}H_{13}NO$ M 211.263
Mp 167-168°.
▷AB8135000.
▷*AB8050000.*

Nitrile: [86-29-3]. *Diphenylacetonitrile. Cyanodiphenylmethane.*
$C_{14}H_{11}N$ M 193.248
Mp 75-76° (72-73°). Bp_{12} 181°.
▷Exp. neoplastic agent. AL9800000.

3-(Diethylamino)propyl ester: [3578-28-7].
$C_{21}H_{27}NO_2$ M 325.450
Anticholinergic, antiasthmatic agent.

3-(Diethylamino)propyl ester; B,HCl: [3098-65-5]. *Arpenal.*

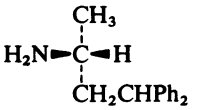
Staudinger, H., *Ber.*, 1911, **44**, 1619.
Hurd, C.D. *et al, J. Am. Chem. Soc.*, 1933, **55**, 2589.
Org. Synth., Coll. Vol., **1**, 219.
Org. Synth., Coll. Vol., **4**, 777.
Hsu, M.-L. *et al, CA*, 1961, **56**, 7201.
U.S.S.R. Pat., 231 716, (*1968*); *CA*, **70**, 67947 (*synth, props, Arpenal*)
Prozorovskii, V.B. *et al, Farmakol. Toksikol. (Moscow)*, 1969, **32**, 475 (*Arpenal*)
Arakelova, R.L. *et al, Arm. Khim. Zh.*, 1973, **26**, 76 (*cryst struct, Arpenal*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 622.

4,4-Diphenyl-2-butylamine D-00489

α-Methyl-γ-phenylbenzenepropanamine, 9CI. 1-Methyl-3,3-diphenylpropylamine, 8CI. 2-Amino-4,4-diphenylbutane

[29869-77-0]



(*R*)-form

$C_{16}H_{19}N$ M 225.333

(*R*)-form

N,N-*Di-Me:*
$C_{18}H_{23}N$ M 253.386
Oil, solidifying at 5°. $[\alpha]_D^{20}$ +22.1° (c, 3.2 in MeOH), $[\alpha]_D^{25}$ −6.1° (c, 1.3 in $CHCl_3$) (98% enant. purity).

(*S*)-form

N,N-*Di-Me:* Oil, solidifying at 5°. $[\alpha]_D^{23}$ −18.4° (c, 7.3 in MeOH).

(±)-form

Recipavrin

B,HCl: Cryst. (Me_2CO/Et_2O). Mp 175°.

N-tert-*Butyl:* [15793-40-5]. ***Terodiline, BAN, INN.*** *Bicor.*
$C_{20}H_{27}N$ M 281.440
Coronary vasodilator.

N-tert-*Butyl; B,HCl:* [7082-21-5]. *Terodiline hydrochloride, USAN.* Mp 178-180°. This deriv. known also in opt. active forms (abs. config. *S*(−)), but no phys. props. recorded.

N,N-*Di-Me; B,HNO_3:* Cryst. (H_2O). Mp 118-120°.

N,N-*Di-Me; B,$HClO_4$:* Cryst. (EtOH). Mp 165-166°.

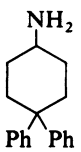
N,N-*Di-Me; picrate:* Plates (EtOH). Mp 142-144°.

Burckhalter, J.H. *et al, J. Am. Chem. Soc.*, 1951, **73**, 4830 (*synth*)
Perrine, T.D. *et al, J. Org. Chem.*, 1953, **18**, 898 (*recipavrin, synth*)
B.P., 923 942, (*1963*); *CA*, **59**, 9881e (*deriv*)
Karlen, B. *et al, Eur. J. Clin. Pharmacol.*, 1982, **23**, 267 (*deriv*)
Carlström, D. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 1130 (*cryst struct, abs config, deriv*)
Aasen, A.J. *et al, Acta Chem. Scand., Ser. B*, 1988, **42**, 206 (*recipavrin, abs config, ms, pmr, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13310 (*deriv*)

4,4-Diphenylcyclohexylamine, 8CI D-00490

4,4-Diphenylcyclohexanamine, 9CI

[14558-33-9]



$C_{18}H_{21}N$ M 251.371

B,HCl: Mp 260°.

N-*Isopropyl:* [14334-40-8]. N-(*1-Methylethyl*)-*4,4-diphenylcyclohexanamine, 9CI.* ***Pramiverine, BAN, INN.*** *Cintaverin. Monoverin. Propaminodiphene. Raptalgin. Sistalcin. Sistalgin. Syntaverin. EMD 9806. HSp 2986.*
$C_{21}H_{27}N$ M 293.451
Spasmolytic. Liq. $Bp_{0.05}$ 164-165°. Also reported as a solid. Mp 70°.

Netherlands Pat., 6 515 046, (*1966*); *CA*, **67**, 21608c (*synth*)
Koch, E. *et al, Arzneim.-Forsch.*, 1976, **26**, 686 (*rev, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5252.

2,2'-Diphenyldiethylamine D-00491

N-*2-Phenylethylbenzeneethanamine, 9CI. Diphenethylamine*

[6308-98-1]

$PhCH_2CH_2NHCH_2CH_2Ph$

$C_{16}H_{19}N$ M 225.333
V. spar. sol. H_2O. Mp 28-30°. Bp_{18} 195°.

B,HCl: Cryst. Mp 265°.

Picrate: Cryst. Mp 150°.

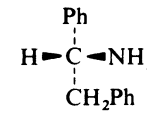
N-*Me:* [13977-33-8]. ***Demelverine, INN.*** *Spasman.*
$C_{17}H_{21}N$ M 239.360
Spasmolytic agent. Mp 163-165° (as hydrochloride).

v. Braun, J. *et al, Ber.*, 1923, **56**, 1997 (*synth*)
Blicke, F.F. *et al, J. Am. Chem. Soc.*, 1939, **61**, 91 (*synth, Demelverine*)
Joachim, H. *et al, CA*, 1959, **53**, 10523d (*pharmacol*)
Richter, W.J. *et al, Org. Mass Spectrom.*, 1969, **2**, 781 (*ms*)
Hara, A. *et al, Chem. Pharm. Bull.*, 1972, **20**, 1063 (*synth, Demelverine*)
Weibel, P.A. *et al, Helv. Chim. Acta*, 1973, **56**, 2460 (*ms*)
Umino, N. *et al, Tetrahedron Lett.*, 1976, 763 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 624.

1,2-Diphenylethylamine, 8CI D-00492

α-Phenylbenzeneethanamine, 9CI. α-Aminobibenzyl

[25611-78-3]



(*R*)-form
Absolute configuration

$C_{14}H_{15}N$ M 197.279

▷SI2299000.

(*R*)-form [34645-25-5]
Liq. Bp_9 159°. $[\alpha]_D^{15}$ −11.8°.

B,HCl: Mp 253-255°. $[\alpha]_D^{18}$ −70.9° (c, 0.8 in H_2O).

N-*Me:* [49681-39-2]. Bp_{10} 157-158°. $[\alpha]_D^{20}$ −4.75° (c, 3.3 in MeOH).

N-*Me; B,HCl:* Cryst. (H_2O). Mp 221-222°. $[\alpha]_D^{20}$ −84.8°.

N-*Di-Me:* [7262-75-1]. ***Lefetamine, INN.***
$C_{16}H_{19}N$ M 225.333
Analgesic, antitussive, muscle relaxant. Bp_6 142-147°. $[\alpha]_D$ −124.2° (EtOH).

N-*Di-Me; B,HCl:* [14148-99-3]. *Calmodor. Santenol.* Mp 218-220°. $[\alpha]_D^{20}$ −91.7° (H_2O).

▷KR5920000.

(*S*)-form [3082-58-4]
d^{20} 1.039. Bp_1 138-139°. $[\alpha]_D^{18}$ +12.2°.

B,HCl: Cryst. (EtOH aq.). Mp 254-256°. $[\alpha]_D^{20}$ +72° (c, 0.7 in H_2O).

Ac:
$C_{16}H_{17}NO$ M 239.316
Mp 168.5°. $[\alpha]_D^{20}$ −15° (c, 0.66 in MeOH).

N-*Me; B,HCl:* Mp 221-222°. $[\alpha]_D^{20}$ +83.2°.

(±)-form [35373-59-2]
d^{15} 1.031. Bp_{11} 165°.

B,HCl: [60000-09-1]. Needles. Mp 253° (242°).

Ac:
$C_{16}H_{17}NO$ M 239.316

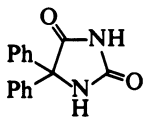
Short needles (EtOH aq.). Sol. EtOH, spar. sol. H_2O. Mp 137.5-138.5°.
N-*Me:* [42882-28-0]. Bp_8 160-161°, $Bp_{0.3}$ 94-97°.
N-*Me; B,HCl:* Mp 184-186°.

Söderquist, R.J., *J. Prakt. Chem.*, 1920, **101**, 293 (*synth, resoln*)
Patesi, P. *et al, Farmaco, Ed. Sci.*, 1955, **10**, 673; *CA*, **50**, 10057b (*abs config*)
Fujimura, H. *et al, Yakugaku Zasshi*, 1960, **80**, 283 (*derivs*)
Nakazaki, M. *et al, Bull. Chem. Soc. Jpn.*, 1963, **36**, 161 (*resoln, abs config*)
Natsuka, K. *et al, J. Med. Chem.*, 1975, **18**, 1240 (*pharmacol, derivs*)
Org. Synth., Coll. Vol., **4**, 605 (*deriv*)
Knabe, J. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1979, **312**, 492 (*cd*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19403.

5,5-Diphenyl-2,4-imidazolidinedione, 9CI D-00493

5,5-Diphenylhydantoin, 8CI. ***Phenytoin, INN, BAN, USAN.*** *Fenantoin. Fenitoin. Fenytoine. Phenantoin. Numerous proprietary names*

[57-41-0]



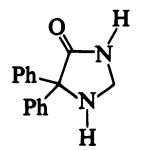
$C_{15}H_{12}N_2O_2$ M 252.272
Anticonvulsant, antiepileptic (veterinary product). Mp 295-298°. Component of Mebroin.
▷MU1050000.
Na salt: [630-93-3]. *Phenytoin sodium, USAN.* Hygroscopic cryst. with bitter, soapy taste.
▷MU1400000.

Camerman, A. *et al, Acta Crystallogr., Sect. B*, 1971, **27**, 2205 (*cryst struct*)
Gillis, R.A. *et al, J. Pharmacol. Exp. Ther.*, 1971, **179**, 599 (*pharmacol*)
Ruecker, G. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1971, **304**, 883 (*ms*)
Goenechea, S., *Mikrochim. Acta*, 1972, 276 (*ir*)
Long, R.C. Jr. *et al, J. Magn. Reson.*, 1974, **16**, 228 (*nmr*)
Simig, G. *et al, Tetrahedron*, 1975, **31**, 1195 (*synth*)
Woodbury, D.M., *Adv. Neurol.*, 1980, **27**, 447 (*rev*)
Philip, J. *et al, Anal. Profiles Drug Subst.*, 1984, **13**, 417 (*rev*)
Jones, G.L. *et al, Handb. Exp. Pharmacol.*, 1985, **74**, 351 (*rev, pharmacol*)
Glazko, A.J., *Ther. Drug Monit.*, 1986, **8**, 490 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3452.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6601, 6602.

5,5-Diphenyl-4-imidazolidinone, 9CI, 8CI D-00494

5,5-Diphenyltetrahydroglyoxalin-4-one. ***Doxenitoin, INN.*** *SKF 2599. Glior*

[3254-93-1]



$C_{15}H_{14}N_2O$ M 238.288
Anticonvulsant, antiepileptic agent. Stout plates (MeOH). Sol. AcOH, insol. H_2O. Mp 183-187°.
B,HCl: Mp 205-206°.
Picrate: Prisms (H_2O).

Whalley, W.B. *et al, J. Am. Chem. Soc.*, 1955, **77**, 745 (*synth, pharmacol*)
Glasson, B. *et al, Therapie*, 1963, **18**, 1483 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6609.

Diphenyliodonium(1+) D-00495

[10182-84-0]

$Ph_2I^{\oplus}$

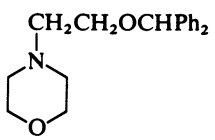
$C_{12}H_{10}I^{\oplus}$ M 281.116 (ion)
Bactericide, phenylating agent.
Chloride: [1483-72-3].
$C_{12}H_{10}ClI$ M 316.569
Mp 227°.
Bromide: [1483-73-4].
$C_{12}H_{10}BrI$ M 361.020
Mp 208°.
Iodide: [2217-79-0].
$C_{12}H_{10}I_2$ M 408.020
Needles (MeOH). Mp 172-175° dec.
Nitrate:
$C_{12}H_{10}INO_2$ M 327.121
Mp 149-150°.
I-*Oxide, acetate: Diphenyliodonium* I-*oxide acetate.*
$C_{14}H_{13}IO_3$ M 356.159
Cryst. + $1\frac{1}{2}H_2O$. Dimeric in cryst. state.

Org. Synth. Coll. Vol., **3**, 355 (*iodide*)
Beringer, F.M. *et al, J. Am. Chem. Soc.*, 1953, **75**, 2705 (*chloride*)
Epshtein, L.M. *et al, Dokl. Akad. Nauk. SSSR*, 1963, **149**, 865; *CA*, **59**, 4676 (*ir*)
Petrosyan, V.S. *et al, Dokl. Akad. Nauk SSSR*, 1967, **175**, 613 (*pmr*)
Alcock, N.W. *et al, J. Chem. Soc., Dalton Trans.*, 1977, 217 (*cryst struct*)
Cadogan, J.I.G. *et al, Synth. Commun.*, 1977, 365 (*use*)
Bozopoulos, A.P. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 142 (*cryst struct, oxide*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 178.

4-[2-(Diphenylmethoxy)ethyl]morpholine, 9CI D-00496

4-[β-(Benzyloxy)phenethyl]morpholine. β-Morpholinoethyl benzhydryl ether. Linadryl. A 446

[525-01-9]



$C_{19}H_{23}NO_2$ M 297.396
Antihistamine.
B,HCl: Cryst. Mp 182-183°.

Loew, E.R. *et al, J. Pharmacol.*, 1945, **83**, 120; 1947, **89**, 227 (*pharmacol*)
B.P., 606 317, (*1948*); *CA*, **43**, 3462 (*synth*)
Tsuji, Y. *et al, J. Org. Chem.*, 1985, **50**, 1365 (*synth, pmr, cmr*)

2-(Diphenylmethylene)butylamine, 8CI D-00497

Etifelmine, INN. *Diphenylpropenamine. Ecinamine. Gilutensin. Tensinase. Tensionorm. G 20561. HK 26. EDPA. Na 3*

[341-00-4]

$Ph_2C{=}C(CH_2CH_3)CH_2NH_2$

$C_{17}H_{19}N$ M 237.344

Hypertensive agent, central stimulant. Mp 132°.

B,HCl: [1146-95-8]. Mp 232°.

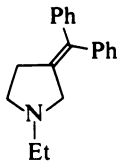
▷LD_{50} in mice 115 mg/kg, p.o. EO4807000.

Ger. Pat., 1 122 514, (*1962*); *CA*, **57**, 733c (*synth, pharmacol*)
Jacobi, H. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 545 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12712.

3-(Diphenylmethylene)-1-ethylpyrrolidine, 8CI D-00498

Pridefine, INN

[5370-41-2]



$C_{19}H_{21}N$ M 263.382

Antidepressant. Bp_5 140°, $Bp_{0.015}$ 120-124°.

B,HCl: [23239-78-3]. *Pridefine hydrochloride, USAN. AHR 1118.* Mp 45-46°.

▷UY1050000.

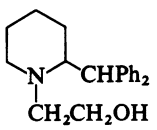
Picrate: [61334-49-4]. Yellow needles (EtOH). Mp 153°.

U.S.P., 3 458 635, (*1969*); *CA*, **71**, 101703c (*synth, pharmacol*)
Johnson, D.N. *et al*, *Curr. Ther. Res., Clin. Exp.*, 1970, **12**, 402 (*pharmacol*)
Ohki, S. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 1362.
Bourin, M. *et al*, *J. Pharmacol.*, 1979, **10**, 205 (*pharmacol*)

2-(Diphenylmethyl)-1-piperidineethanol, 8CI D-00499

Difemetorex, INN. *Diphemethoxidine. Difemetoxidine*

[13862-07-2]



$C_{20}H_{25}NO$ M 295.424

▷TM8740000.

(±)-*form*

Anorectic agent. Mp 106-107°. $Bp_{0.1}$ 180-181°.

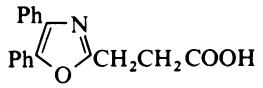
B,HCl: [20269-19-6]. *Cleofil. Ba 18189.* Mp 166-167°.

B.P., 861 815, (*1961*); *CA*, **55**, 15517h (*synth*)
Stepanek, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **191**, 376 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1477.

4,5-Diphenyl-2-oxazolepropanoic acid, 9CI D-00500

Oxaprozin, BAN, USAN, INN. *Actirin. Alvo. Durapro. Duraprox. Oxapro. Wy 21743*

[21256-18-8]



$C_{18}H_{15}NO_3$ M 293.321

Antiinflammatory agent. Cryst. (MeOH). Mp 160.5-161.5°.

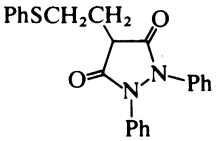
▷RP6990000.

Brown, K. *et al*, *Nature* (*London*), 1968, **219**, 164 (*synth, pharmacol*)
B.P., 1 206 403, (*1970*); *CA*, **74**, 22814 (*synth, pharmacol*)
Janssen, F.W. *et al*, *Curr. Ther. Res.*, 1984, **35**, 363 (*rev, metab*)
Todd, P.A. *et al*, *Drugs*, 1986, **32**, 291 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13055.

1,2-Diphenyl-4-[2-(phenylthio)ethyl)]-3,5-pyrazolidinedione, 9CI D-00501

Thiophenylpyrazolidine. G 25671

[3736-92-3]



$C_{23}H_{20}N_2O_2S$ M 388.483

Metab. of Sulphinpyrazone, S-00258 . Antirheumatic, antiarthritic, antithrombotic agent. Cryst. (EtOH). Mp 110-113°.

▷UQ8650000.

Brodie, B.B. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1954, **86**, 884 (*pharmacol*)
Burns, J.J. *et al*, *Ann. N.Y. Acad. Sci.*, 1960, **86**, 253, 263 (*pharmacol*)
Dayton, P.G. *et al*, *J. Pharmacol. Exp. Ther.*, 1961, **132**, 287 (*metab*)
Pfister, R. *et al*, *Helv. Chim. Acta*, 1961, **44**, 232 (*synth*)
Moser, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 613 (*props*)

Diphenylphosphinylacetic acid hydrazide, 9CI D-00502

Fosenazide, INN. *Gidifen. Fosfabenzid*

[16543-10-5]

$Ph_2P(O)CH_2CONHNH_2$

$C_{14}H_{15}N_2O_2P$ M 274.258

Tranquilliser, antiepileptic agent, antitubercular. Cryst. ($EtOH/Et_2O$). Mp 89-90°.

Razumov, A.I. *et al*, *Zh. Obshch. Khim.*, 1967, **37**, 421 (*Engl. transl.* p. 393); 1976, **46**, 1412 (*Engl. transl.* p. 1388) (*synth, pharmacol*)
Zaikonnikova, I.V. *et al*, *CA*, 1980, **93**, 179505 (*pharmacol*)
Razumov, A.I. *et al*, *Zh. Prikl. Khim.* (*Leningrad*), 1983, **56**, 342 (*Engl. transl.* p. 325) (*synth*)

4,4-Diphenylpiperidine D-00503

[34273-01-3]

$C_{17}H_{19}N$ M 237.344

N-tert-*Butyl:* [57982-78-2]. *1-tert-Butyl-4,4-diphenylpiperidine.* ***Budipine, INN.*** *BY 701.*
$C_{21}H_{27}N$ M 293.451

Antiparkinsonian agent. Antidepressant. Mp 108-109°. $Bp_{0.05}$ 160-165°.

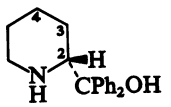
▷TM7291100.

N-tert-*Butyl; B,HCl:* [63661-61-0]. *Parkinsan.* Mp 306-309° dec. LD_{50} 120 mg/kg, p.o. and 33 mg/kg, i.v. in rats.

Menge, H.G. *et al, Arzneim.-Forsch.*, 1982, **32**, 85 (*pharmacol*)
Schaefer, H. *et al, Arzneim.-Forsch.*, 1984, **34**, 233 (*synth, pharmacol*)
Gerstenbrand, F. *et al*, Eds., *Clinical Experiences with Budipine in Parkinson Therapy*, Springer-Verlag, Berlin, 1985 (*book*)

α,α-Diphenyl-2-piperidinemethanol, 9CI, 8CI D-00504

α-Phenyl-α-(2-piperidyl)benzyl alcohol. α-2-Piperidylbenzhydrol. ***Pipradrol, BAN.*** *Other proprietary names*



(*R*)-form
Absolute configuration

$C_{18}H_{21}NO$ M 267.370

Tranquilliser.

(*R*)-form [15923-61-2]

Cryst. (hexane). Mp 97-98°. $[\alpha]_D^{25}$ +59.8° (c, 2 in MeOH).

B,HCl: Cryst. (EtOH aq.). Mp 288-289° dec. $[\alpha]_D^{25}$ −63.6° (c, 1 in H_2O).

(*S*)-form [18752-03-9]

Cryst. (hexane). Mp 97-98°. $[\alpha]_D^{25}$ −57.9° (c, 2 in MeOH).

B,HCl: Mp 287-288° dec. $[\alpha]_D^{25}$ +66.9° (c, 1 in H_2O).

(±)-form [18717-93-6]

B,HCl: [71-78-3]. *Meratran.* Mp 312-334°.

▷TN0875000.

N-*Ethoxycarbonyl:*
$C_{21}H_{25}NO_3$ M 339.433
Cryst. (pet. ether). Mp 133-134°.

N-*Diethylphosphoryl:*
$C_{30}H_{30}NOP$ M 451.547
CNS depressant. Mp 162-165°.

Tilford, C.H. *et al, J. Am. Chem. Soc.*, 1948, **70**, 4001 (*synth*)
McCarty, F.J. *et al, J. Am. Chem. Soc.*, 1957, **79**, 472 (*synth*)
Hemingway, R.J., *J. Pharm. Pharmacol.*, 1968, **20**, 87 (*abs config*)
Portoghese, P.S. *et al, J. Med. Chem.*, 1968, **11**, 12 (*synth, ir, pmr, pharmacol*)
Shafi'ee, A. *et al, J. Med. Chem.*, 1969, **12**, 266 (*abs config, pharmacol*)
Kalinowski, H.O. *et al, Angew. Chem., Int. Ed. Engl.*, 1976, **15**, 234 (*cmr*)
Org. Synth., 1978, **58**, 113 (*synth*)
Gloger, M. *et al, Dtsch. Apoth.-Ztg.*, 1982, **122**, 283 (*rev, pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4816 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1440.

α,α-Diphenyl-3-piperidinemethanol D-00505

α-Phenyl-α-(3-piperidyl)benzyl alcohol. α-3-Piperidylbenzhydrol

$C_{18}H_{21}NO$ M 267.370

(±)-form

CNS stimulant. Mp 161-162°.

B,HCl: Mp 212-213°.

Oxalate: Mp 202-204°.

B.P., 786 944, (*1957*); *CA*, **52**, 8209 (*synth*)

α,α-Diphenyl-4-piperidinemethanol, 8CI D-00506

α-Phenyl-α-(4-piperidyl)benzyl alcohol. α-4-Piperidylbenzhydrol. ***Azacyclonol, BAN, INN.*** *γ-Pipradrol. Ataractan. Calmeran. Frenoton. Psychosan. MER 17*

[115-46-8]

$C_{18}H_{21}NO$ M 267.370

Tranquilliser, antagonist to mescaline and LSD. Cryst. Mp 160-161°.

B,HCl: [1798-50-1]. *Frenquel.* Prisms + $1H_2O$ (butanone). Mp 283-285°.

▷TN0925000.

N-*Ac:*
$C_{20}H_{23}NO_2$ M 309.407
Cryst. ($CHCl_3$/pet. ether). Mp 197-198°.

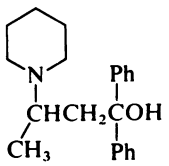
N-*Diethylphosphoryl:*
$C_{30}H_{31}NO_2P$ M 468.554
CNS depressant. Mp 223-224°.

Brown, B.A. *et al, J. Pharmacol. Exp. Ther.*, 1956, **118**, 153 (*pharmacol*)
B.P., 801 712, (*1958*); *CA*, **53**, 7204 (*synth*)
U.S.P., 2 898 339, (*1959*); *CA*, **54**, 581 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7004.

1,1-Diphenyl-3-piperidino-1-butanol D-00507

γ-Methyl-α,α-diphenyl-1-piperidinepropanol, 9CI. Aspaminol

[3735-08-8]



$C_{21}H_{27}NO$ M 309.450

(−)-form

Mp 96°. $[\alpha]_D^{20}$ −64.6°.

B,HCl: Mp 234°. $[\alpha]_D^{18}$ −53.1°.

(±)-form [17435-91-5]

Antispasmodic agent. Mp 119°.

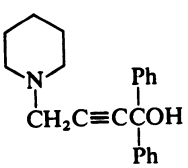
B,HCl: [55701-20-7]. Mp 238°.

Takagi, K. *et al, J. Pharm. Soc. Jpn.*, 1951, **71**, 1328; 1952, **72**, 1592; 1953, **73**, 541; 1955, **75**, 566 (*synth, pharmacol*)
Kasuya, Y. *et al, Chem. Pharm. Bull.*, 1958, **6**, 147.
Lindner, E. *et al, Arzneim.-Forsch.*, 1959, **9**, 94 (*synth, pharmacol*)
Takayanagi, I. *et al, Jpn. J. Pharmacol.*, 1973, **23**, 737 (*pharmacol*)

1,1-Diphenyl-4-piperidino-2-butyn-1-ol, 9CI D-00508

α-Phenyl-α-[3-(1-piperidinyl)-1-propynyl]-benzenemethanol, 9CI. Diferidin. Dipheridine

[972-04-3]



$C_{21}H_{23}NO$ M 305.419

Anticholinergic, antihypertensive agent. Cryst. (EtOH). Mp 135.5° (134°).

B,HCl: [1042-16-6]. Cryst. (H_2O). Mp 202° (199-201°).

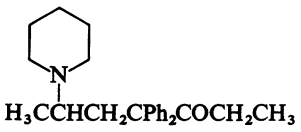
B,MeI: Cryst. (2-propanol). Mp 188°.

Gautier, J.A. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 2145 (*synth*)
Gautier, J.A. *et al*, *Med. Pharmacol. Exp.*, 1965, **13**, 325 (*pharmacol*)
Razumova, M.A. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1965, **28**, 153 (*pharmacol*)
Libman, N.M. *et al*, *Khim.-Farm. Zh.*, 1967, **1**, 31 (*synth*)

4,4-Diphenyl-6-(1-piperidinyl)-3-heptanone, 9CI D-00509

***Dipipanone*, BAN, INN.** *Diconal. Fenpidon. Pamedone. Phenylpiperone. Piperidyl-Amidone. Piperidyl-Methadone. Wellconal. BW 337-C-48. Hoechst 10805. NIH 7343*

[467-83-4]



$C_{24}H_{31}NO$ M 349.515

(+)-*form*

B,HBr: Mp 191°. $[\alpha]_D$ +98° (H_2O).

(−)-*form*

B,HBr: Mp 191-192°. $[\alpha]_D$ −98° (H_2O).

(±)-*form*

Narcotic analgesic. Mp 10°.

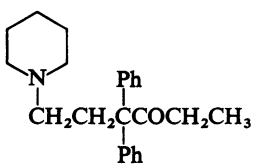
B,HBr: Cryst. (H_2O). Mp 103-106°.

Ofner, P. *et al*, *J. Chem. Soc.*, 1950, 2158 (*synth*)
B.P., 685 616, (*1953*); *CA*, **48**, 3396 (*resoln*)
Kubota, K. *et al*, *CA*, 1960, **54**, 3729, 24711 (*synth, pharmacol*)
Light, A.E. *et al*, *Toxicol. Appl. Pharmacol.*, 1960, **2**, 504 (*pharmacol, tox*)
Barlein, F. *et al*, *Acta Chem. Scand., Ser. B*, 1981, **35**, 613 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6224.

4,4-Diphenyl-6-(1-piperidinyl)-3-hexanone, 9CI D-00510

***Norpipanone*, BAN, INN.** *Hexalgon. Hoechst 10495. NIH 7557*

[561-48-8]



$C_{23}H_{29}NO$ M 335.488

Analgesic. Classified as a controlled opiate.

B,HCl: [6033-41-6]. *Orfenso.* Cryst. (Me_2CO/Et_2O). Sol. H_2O, EtOH. Mp 175-176°, 181-182°.

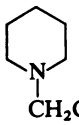
B,HBr: Cryst. Sol. H_2O, EtOH. Mp 192-193°.

Thorp, R.H. *et al*, *Nature* (*London*), 1947, **159**, 679 (*pharmacol*)
Bockmühl, M. *et al*, *Justus Liebigs Ann. Chem.*, 1949, **561**, 52 (*synth, pharmacol*)
Dupré, D.J. *et al*, *J. Chem. Soc.*, 1949, 500 (*synth*)
Janssen, P.A. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 381 (*pharmacol*)
Kubota, K. *et al*, *CA*, 1960, **54**, 3729, 24711 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6245.

1,1-Diphenyl-3-(1-piperidinyl)-1-propanol D-00511

α,α-Diphenyl-1-piperidinepropanol, 9CI, 8CI. ***Pridinol, INN.*** *Nonplesin. Ridinol. C-238*

[511-45-5]



$C_{20}H_{25}NO$ M 295.424

Anticholinergic, antiparkinsonian and antiinflammatory agent. Mp 119-121°.

▷TN2855000.

B,HCl: [968-58-1]. *Par KS-12. 238C.* Mp 226-227° dec.

▷TN2856000.

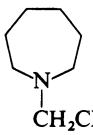
Methanesulfonate: [6856-31-1]. *Lyseen. Cyroquitil. Mitanoline. Zenmicone. Numerous proprietary names.* Mp 152.5-155.0°.

Ioffe, D.V., *Zh. Obshch. Khim.*, 1964, **34**, 3900 (*synth*)
Sorrentino, L. *et al*, *Farmaco, Ed. Prat.*, 1971, **26**, 293 (*pharmacol, methanesulfate deriv*)
Yavorskii, M.P. *et al*, *Farm. Zh.*, 1972, **27**, 83 (*tlc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5781 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5728, 5729.

1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, 9CI D-00512

1-(3,3-Diphenylpropyl)cyclohexamethyleneimine. ***Prozapine, INN.*** *Hexadiphane. R 714*

[3426-08-2]



$C_{21}H_{27}N$ M 293.451

Spasmolytic, choleretic agent. Bp_1 170-174°.

B,HCl: [13657-24-4]. *Norbiline.* Mp 190-192°.

Netherlands Pat., 90 485, (*1959*); *CA*, **54**, 14285f (*synth, pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1966, **34**, 312 (*synth*)
Babbini, M. *et al*, *Curr. Ther. Res., Clin. Exp.*, 1972, **14**, 311 (*pharmacol*)
Mardente, S. *et al*, *J. Pharm. Sci.*, 1975, **64**, 1866 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3740.

N-(3,3-Diphenylpropyl)-*N'*-(1-methyl-2-phenylethyl)-1,3-propanediamine, 9CI D-00513

[50597-65-4]

$Ph_2CHCH_2CH_2NH(CH_2)_3NHCH(CH_3)CH_2Ph$

$C_{27}H_{34}N_2$ M 386.579

Coronary vasodilator and antiarrhythmic agent. Oil.

B,2HCl: [50597-63-2]. *KD 983.* Cryst. (EtOH). Mp 236-237°.

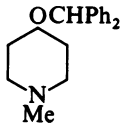
Dimaleate: Cryst. (EtOH aq.). Mp 215°.

Korbonits, D. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1974, **82**, 231 (*synth, props*)
Leszkovszky, G.P. *et al*, *Agressologie*, 1975, **16**, 41 (*pharmacol*)
Kuttel, S. *et al*, *Acta Pharm. Hung.*, 1982, **52**, 81 (*pharmacol*)

Diphenylpyraline, BAN, INN D-00514

4-(Diphenylmethoxy)-1-methylpiperidine, 9CI, 8CI

[147-20-6]



$C_{19}H_{23}NO$ M 281.397

Antihistamine.

▷TM7810000.

B,HCl: [132-18-3]. *Diphenylpyraline hydrochloride, USAN. Histryl. Lergoban. Numerous proprietary names.* Off-white cryst. (2-propanol/Et_2O). Sol. H_2O, EtOH, insol. C_6H_6, Et_2O. Mp 206°.

▷TM7823600.

B,HBr: Mp 201-202°.

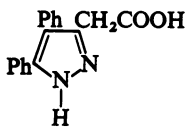
8-Chloro-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione salt (1:1): [606-90-6]. *Diphenylpyraline 8-chlortheopyllinate.* ***Piprinhydrinate, INN, BAN.*** *Diphenylpyraline teoclate, JAN. Kolton. Nepedyl.*

Antihistamine, antiemetic. Minute cryst. Mp 151°.

▷XH5085000.

U.S.P., 2 479 843, (*1949*); *CA*, **44**, 1144 (*synth, pharmacol*)
Ger. Pat., 934 890, (*1955*); *CA*, **52**, 20065 (*piprinhydrinate*)
Nieschulz, O. *et al*, *Arzneim.-Forsch.*, 1955, **5**, 185 (*pharmacol*)
Japan. Pat., 18 193, (*1962*); *CA*, **59**, 11447c (*synth*)
B.P., 1 008 452, (*1965*); *CA*, **64**, 3499 (*synth, pharmacol*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Precigoux, G. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1497 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5311 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6132, 6156.

3,4-Diphenyl-1*H*-pyrazole-5-acetic acid, 9CI D-00515



$C_{17}H_{14}N_2O_2$ M 278.310

1-(2-Methylpropyl): [50270-32-1]. ***Bufezolac, INN.*** *LM 22102.*

$C_{21}H_{22}N_2O_2$ M 334.417

Analgesic, antiinflammatory, antipyretic. Cryst. (MeCN). Mp 181°.

▷UQ4925000.

Ger. Pat., 2 312 256, (*1973*); *CA*, **79**, 146516a (*synth, pharmacol*)
Mizoule, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1979, **238**, 305 (*pharmacol, tox*)
Bannier, A. *et al*, *J. Chromatogr.*, 1982, **227**, 213 (*hplc*)

Diphoxazide, INN D-00516

1-Acetyl-2-(3,3-diphenyl-3-hydroxypropionyl)-hydrazine. Inductin

[511-41-1]

$Ph_2C(OH)CH_2CONHNHAc$

$C_{17}H_{18}N_2O_3$ M 298.341

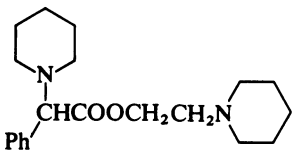
Anticonvulsant, psychosedative. Mp 161-162°.

U.S.P., 2 944 071, (*1960*); *CA*, **55**, 468i (*synth, pharmacol*)

Dipiproverine, INN D-00517

Piperidineethanol α-phenyl-1-piperidineacetate, 8CI

[117-30-6]



$C_{20}H_{30}N_2O_2$ M 330.469

(±)-form

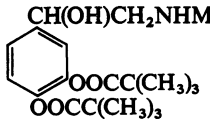
Anticholinergic, spasmolytic agent. $Bp_{0.4}$ 169-170°.

B,2HCl: [2404-18-4]. *Spasmonal. Levospasme. Levospasmol. LD 935.* Mp 238°.

Najer, H. *et al*, *Bull. Soc. Chim. Fr.*, 1958, 355 (*synth, pharmacol*)
Vaccari, A. *et al*, *Clin. Ter.*, 1965, **32**, 483 (*pharmacol*)

Dipivefrin, USAN D-00518

2,2-Dimethylpropanoic acid 4-[1-hydroxy-2-(methylamino)ethyl]-1,2-phenylene ester, 9CI. ***Dipivefrine, BAN, INN.*** *Epinephrine dipivalate. Pro-Epinephrine. Adrenaline dipivalate. Other proprietary names*



$C_{19}H_{29}NO_5$ M 351.442

(±)-form [52365-63-6]

Ophthalmic adrenergic, antiasthmatic agent. Cryst. (Et_2O). Mp 146-147°.

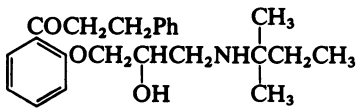
B,HCl: [64019-93-8]. *Dipivefrin hydrochloride, USAN. Propine. Vistapine. Diopine. Thilodrin. Glaucothil.* Mp 158-159°.

Ger. Pat., 2 343 657, (*1974*); *CA*, **80**, 145839s (*synth, pharmacol*)
Koch, H., *Drugs of Today*, 1979, **15**, 537 (*rev, pharmacol*)
Goldberg, I. *et al*, *Aust. J. Ophthalmol.*, 1980, **8**, 147 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5479 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12670.

Diprafenone, INN D-00519

1-[2-[3-[(1,1-Dimethylpropyl)amino]-2-hydroxypropoxy]phenyl]-3-phenyl-1-propanone, 9CI. Butafenone

[85414-47-7]



$C_{23}H_{31}NO_3$ M 369.503

Antiarrhythmic agent.

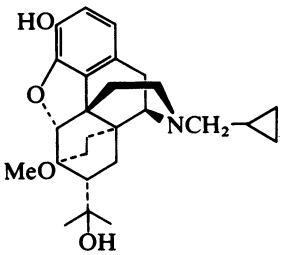
B,HCl: [86342-43-0]. Cryst. (2-propanol). Mp 130-131°.

Ger. Pat., 3 133 814, (*1983*); *CA*, **99**, 53360t (*synth, deriv*)
Kohlhardt, M. *et al*, *Eur. J. Physiol.*, 1983, **396**, 199 (*pharmacol*)
Gülker, H. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1387 (*pharmacol*)

Diprenorphine, BAN, INN D-00520

17-(Cyclopropylmethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-α,α-dimethyl-6,14-ethanomorphinan-7-methanol, 9CI

[14357-78-9]



$C_{26}H_{35}NO_4$ M 425.567
Antagonist to narcotic analgesics. Mp 185°.
▷JL7700000.

B,HCl: [16808-86-9]. *Diprenorphine hydrochloride, BAN. Revivon. M 5050.*

Bentley, K.W. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 3281 (*synth*)
Blane, G.F. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 547 (*pharmacol*)
Lewis, J.W. *et al*, *J. Med. Chem.*, 1970, **13**, 525 (*synth, props*)
Robinson, F.M., *Annu. Rep. Med. Chem.*, 1972, **7**, 31 (*rev*)
Takemori, A.E. *et al*, *Eur. J. Pharmacol.*, 1972, **20**, 85 (*pharmacol*)
Carroll, F.I. *et al*, *J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7302.

Diprofene D-00521

S-[2-(Dipropylamino)ethyl α-phenylbenzeneethanethioate, 9CI. 2-(Dipropylamino)ethyl diphenylthioacetate, 8CI. Diprophene. Diprofenum

[5835-72-3]

$Ph_2CHCOSCH_2CH_2N(CH_2CH_2CH_3)_2$

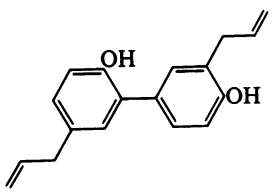
$C_{22}H_{29}NOS$ M 355.537
Spasmolytic agent, vasodilator.

Liberman, S.S., *Farmakol. Toksikol.*, 1956, **19**, 10 (*synth, pharmacol*)

3',5-Di(2-propenyl)-2,4'-biphenyldiol D-00522

3',3'-Diallyl-4,6'-dihydroxybiphenyl. Honokiol

[35354-74-6]



$C_{18}H_{18}O_2$ M 266.339
Constit. of *Magnolia* spp. Shows antimicrobial and muscle-relaxant activity. Mp 87.5°.

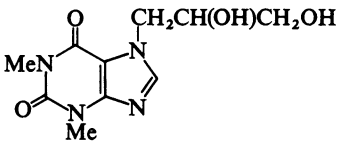
4'-Me ether: [68592-15-4].
$C_{19}H_{20}O_2$ M 280.366
Isol. from *M. grandifolia.*

Fujita, M. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 212 (*isol, struct*)
El-Feraly, F.S. *et al*, *Lloydia*, 1978, **41**, 442; *CA*, **90**, 36289y (*deriv*)
Clark, A.M. *et al*, *J. Pharm. Sci.*, 1981, **70**, 951 (*biochem*)
Watanabe, K. *et al*, *Planta Med.*, 1983, **49**, 103 (*pharmacol*)

Diprophylline, BAN, INN D-00523

7-(2,3-Dihydroxypropyl)-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-(2,3-Dihydroxypropyl)-theophylline, 8CI. Diprofilin. ***Dyphylline, USAN****. Glyfyllin. Glyphylline. Hyphylline. Numerous proprietary synonyms*

[479-18-5]



$C_{10}H_{14}N_4O_4$ M 254.245
▷XH5100000.

(R)-form [72376-78-4]
Cryst. (EtOH). Mp 159-160°. $[\alpha]_D^{20}$ +88.2° (c, 0.5 in H_2O).

Di-Ac: Mp 125-126°. $[\alpha]_D^{20}$ +73.9° (c, 0.5 in $CHCl_3$).

(±)-*form* [68350-70-9]
Hypotensive agent, diuretic, spasmolytic and antiasthmatic drug. Cryst. (EtOH). Mp 158°.

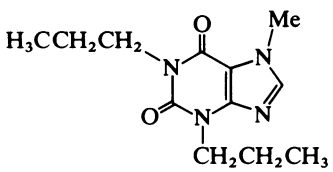
Bis nicotinate: see Diniprofylline, D-00466

Maney, P.V. *et al*, *J. Am. Pharm. Assoc.*, 1946, **35**, 266 (*synth*)
Koch, R., *Arzneim.-Forsch.*, 1954, **4**, 649 (*tox*)
Jacobi, H. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 41 (*pharmacol, tox*)
Steib, I. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 59 (*pharmacol*)
Del'nik, V.B. *et al*, *CA*, 1966, **64**, 3534 (*synth*)
Holy, A. *et al*, *Collect. Czech. Chem. Commun.*, 1978, **43**, 2054; 1979, **44**, 2550 (*synth, pharmacol*)
Simons, K.J. *et al*, *J. Pharm. Sci.*, 1979, **68**, 1327 (*metab*)
Bram, G. *et al*, *Pharmazie*, 1986, **41**, 431 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1650 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 133.

1,3-Dipropyl-7-methylxanthine D-00524

3,7-Dihydro-7-methyl-1,3-dipropyl-1H-purine-2,6-dione, 9CI

[31542-63-9]



$C_{12}H_{18}N_4O_2$ M 250.300
A_2-Adenosine antagonist. Behavioural depressant. Cryst. (Me_2CO/DMF). Mp 116°.

Daly, J.W. *et al*, *J. Med. Chem.*, 1986, **29**, 1305 (*synth, props*)
Evoniuk, G. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **242**, 882 (*pharmacol*)

2,2-Dipropylpentanoic acid, 9CI D-00525

Tripropylacetic acid

[52061-75-3]

$(H_3CCH_2CH_2)_3CCOOH$

$C_{11}H_{22}O_2$ M 186.294
Bp_5 114-117°.

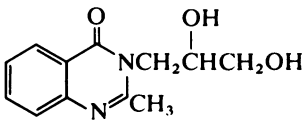
Amide: [52061-73-1]. *2,2-Dipropylpentanamide, 9CI.*
Valdipromide, INN.
$C_{11}H_{23}NO$ M 185.309
Antidepressant. $Bp_{1.5}$ 140°.
Chloride: [52061-78-6]. Bp_{38} 117-125°.

Cohen-Addad, C. *et al, Acta Crystallogr., Sect. B*, 1974, **30**, 186; 1976, **21**, 504 (*cryst structs*)
Ferrandes, B. *et al, Biochem. Pharmacol.*, 1974, **23**, 3363 (*cryst struct, pharmacol, synth*)
Gasparani, G.M. *et al, J. Chem. Eng. Data*, 1976, **21**, 504 (*synth*)

Diproqualone, INN D-00526

3-(2,3-Dihydroxypropyl)-2-methyl-4(3H)-quinazolinone, 9CI

[36518-02-2]



$C_{12}H_{14}N_2O_3$ M 234.254

(±)-form

Analgesic.

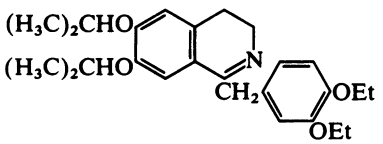
Camphorsulfonate: [63768-21-8]. *Algopriv.* Cryst. Mp 200-202°.

Neuman, N., *Drugs of Today*, 1976, **12**, 266 (*rev, pharmacol, tox*)

Diproteverine, INN D-00527

1-[(3,4-Diethoxyphenyl)methyl]-3,4-dihydro-6,7-bis(1-methylethoxy)isoquinoline, 9CI

[69373-95-1]



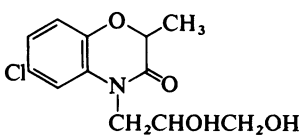
$C_{26}H_{35}NO_4$ M 425.567
Antianginal, spasmolytic agent. Calcium antagonist.
B,HCl: [69373-88-2]. *BRL 40015A.* Mp 187°.

U.S.P., 4 442 108, (*1984*); *CA*, **101**, 72988 (*synth, pharmacol*)
Delaunay, T. *et al, C.R. Acad. Sci. Ser. 3*, 1985, **300**, 627 (*pharmacol*)

Diproxadol, INN D-00528

6-Chloro-4-(2,3-dihydroxypropyl)-2-methyl-2H-1,4-benzoxazin-3(4H)-one, 9CI. ANP 4071

[52042-24-7]



$C_{12}H_{14}ClNO_4$ M 271.700

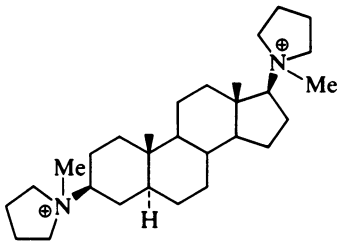
(±)-form

Analgesic. Mp 88°.

Thuiller, G. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 37 (*synth, pharmacol*)

Dipyrandium(2+) D-00529

1,1'-[Androstane-3,17-diyl]bis[1-methylpyrrolidinium], 9CI



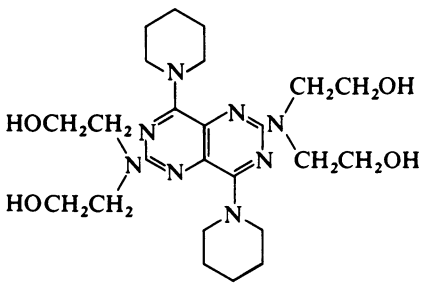
$C_{29}H_{52}N_2^{\oplus\oplus}$ M 428.743 (ion)
Muscle relaxant.
Dichloride: [297-93-8]. *Dipyrandium chloride. M. and B. 9105A.*
$C_{29}H_{52}Cl_2N_2$ M 499.649
Cryst. (Me_2CO/EtOH). Dec. >260°.
Diiodide: [3841-16-5]. Mp >300°.

Mushin, W.W. *et al, Br. J. Anaesthesia*, 1964, **36**, 761 (*pharmacol*)
Davis, M. *et al, J. Chem. Soc. (C)*, 1967, 1045 (*synth*)
Bamford, D.G. *et al, J. Pharm. Pharmacol.*, 1971, **23**, 595 (*pharmacol*)

Dipyridamole, BAN, USAN, INN D-00530

2,2',2'',2'''-[(4,8-Di-1-piperidinylpyrimido[5,4-d]-pyrimidine-2,6-diyl)dinitrilo]tetrakisethanol, 9CI.
2,2',2'',2'''-[(4,8-Dipiperidinopyrimido[5,4-d]-pyrimidine-2,6-diyl)dinitrilo]tetraethanol, 8CI. Persantin. Numerous proprietary names

[58-32-2]



$C_{24}H_{40}N_8O_4$ M 504.631
Coronary vasodilator, anticoagulant. Yellow needles (EtOAc). Sol. dil. acids. Mp 163°.

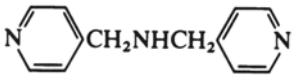
▷KK7450000.

B.P., 807 826, (*1959*); *CA*, **53**, 12317 (*synth, pharmacol*)
Kadatz, R. *et al, Arzneim.-Forsch.*, 1959, **9**, 39 (*pharmacol*)
Beisenherz, G. *et al, Arzneim.-Forsch.*, 1960, **10**, 307 (*metab*)
Takenaka, F. *et al, Arzneim.-Forsch.*, 1972, **22**, 892 (*tox*)
Imai, K. *et al, Yakugaku Zasshi*, 1976, **96**, 578; *CA*, **85**, 108103 (*synth*)
Adams, G.E., *Adv. Med.*, 1980, **16**, 171 (*rev*)
Luger, P. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 1454 (*cryst struct*)
Rivey, M.D. *et al, Drug Intell. Clin. Pharm.*, 1984, **18**, 869 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7225 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9226.

Di(4-pyridylmethyl)amine D-00531

N-(*4-Pyridinylmethyl*)-*4-pyridinemethanamine*, *9CI*. *4,4'-(Iminodimethylene)dipyridine*, *8CI*. *1,1'-Di(4-pyridyl)dimethylamine*. *Bis(4-pyridylmethyl)amine*. ***Gapicomine, INN***

[1539-39-5]



$C_{12}H_{13}N_3$ M 199.255

Sedative, peripheral vasodilator.

B,3HCl: [1539-38-4]. Mp 228-230°.

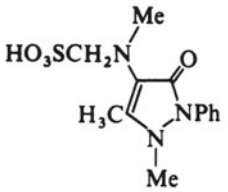
Citrate: [24631-38-7]. *Bicordin.* Mp 191°.

B.P., 1 058 356, (*1967*); *CA*, **66**, 115607 (*synth, pharmacol, 3HCl deriv*)
Kubikowski, P. *et al*, *Diss. Pharm. Pharmacol.*, 1968, **20**, 17 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9234.

Dipyrone, BAN, USAN D-00532

[(*2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)methylamino]methanesulfonic acid*, *9CI*. (*Antipyrinylmethylamino)methanesulfonic acid*, *8CI*. *Diprofarn. Analgin. Methampyrone. Noramidopyrine methanesulfonate. Sulpyrin. Numerous proprietary names*

[50567-35-6]



$C_{13}H_{17}N_3O_4S$ M 311.355

Analgesic, antipyretic, usually as the Na salt. Insol. Et_2O, Me_2CO, C_6H_6, $CHCl_3$.

Na salt: [68-89-3]. *Metamizole sodium*, *INN*. Minute cryst. + $1H_2O$ (EtOH).

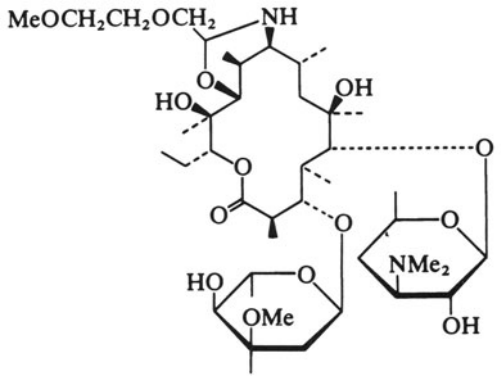
▷PB1300000.

Hungarian Pat., 151 986, (*1965*); *CA*, **63**, 8370h (*synth*)
Murthy, H.M.K. *et al*, *Curr. Sci.*, 1977, **46**, 221 (*cryst struct*)
Ovcharov, R. *et al*, Eds., *Symp. Proc. Moscow, 1978*, Schattauer, Stuttgart, Ger., 1980 (*book*)
Jiang, J. *et al*, *CA*, 1983, **99**, 105170 (*synth*)
Marciniec, B. *et al*, *Pharmazie*, 1985, **40**, 110 (*ms*)
Roth, H.J. *et al*, *Agents Actions Suppl.*, 1986, **19**, 205 (*rev, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2830 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2638.

Dirithromycin, INN D-00533

9-Deoxo-11-deoxy-9,11-[imino[2-(2-methoxyethoxy)-ethylidene]oxy]erythromycin, *9CI*. *ASE 136BS*

[62013-04-1]



$C_{42}H_{78}N_2O_{14}$ M 835.083

Antibiotic. Mp 95-100°.

Ger. Pat., 2 515 075, (*1976*); *CA*, **86**, 106992r (*synth, pharmacol*)
Luger, P. *et al*, *J. Cryst. Mol. Struct.*, 1979, **9**, 329 (*cryst struct*)
Baldit, C. *et al*, *Therapie*, 1987, **42**, 263 (*pharmacol*)

Disiquonium(1+) D-00534

N-*Decyl*-N-*methyl*-N-[*3-(trimethoxysilyl)propyl*]-*1-decanaminium*, *9CI*

[114431-91-3]



$C_{27}H_{60}NO_3Si^{\oplus}$ M 474.861 (ion)

Antiseptic.

Chloride: [68959-20-6]. *Disiquonium chloride*, *INN*, *USAN*.

$C_{27}H_{60}ClNO_3Si$ M 510.314

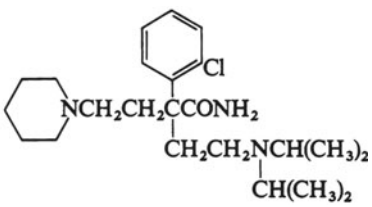
Yellow-orange soln. in MeOH.

U.S.P., 4 394 378, (*1983*); *CA*, **99**, 176050z (*synth*)
Huettinger, K.J. *et al*, *Chem. Ing. Tech.*, 1987, **59**, 516 (*synth*)

Disobutamide, USAN, INN D-00535

α-[*2-[Bis(1-methylethyl)amino]ethyl*]-α-(*2-chlorophenyl*)-*1-piperidinebutanamide*, *9CI*. *SC 31828*

[68284-69-5]



$C_{23}H_{38}ClN_3O$ M 408.026

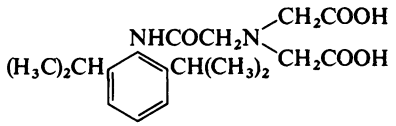
Antiarrhythmic drug. Cryst. (CH_2Cl_2/hexane). Mp 130-131°.

Yonan, P.K. *et al*, *J. Med. Chem.*, 1980, **23**, 1102 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12671.

Disofenin, INN, USAN **D-00536**

N-[2-[[2,6-Bis(1-methylethyl)phenyl]amino]-2-oxoethyl]-N-(carboxymethyl)glycine, 9CI. *(2,6-Diisopropylphenylcarbamoylmethylimino)diacetic acid. Hepatolite. DISIDA*

[65717-97-7]



$C_{18}H_{26}N_2O_5$ M 350.414

Diagnostic aid. Cryst. (H_2O). Mp 191-192.5°.

Ger. Pat., 2 920 770, (*1979*); *CA*, **92**, 153202s (*synth, pharmacol*)

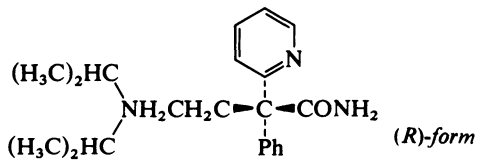
Best, M.P. *et al*, *Aust. J. Chem.*, 1982, **35**, 2371 (*synth, pmr*)

Zmbova, B. *et al*, *Appl. Radiat. Isot.*, 1987, **38**, 35 (*synth, use*)

Disopyramide, BAN, USAN, INN, JAN **D-00537**

α-[2-[Bis(1-methylethyl)amino]ethyl]-α-phenyl-2-pyridineacetamide, 9CI. *α-[2-(Diisopropylamino)ethyl]-α-phenyl-2-pyridineacetamide,* 8CI. *Rythmodan. Ritmodan. Other proprietary names*

[3737-09-5]



(R)-form

$C_{21}H_{29}N_3O$ M 339.480

▷UR8432000.

(R)-form [74464-83-8]

Cryst. (hexane). Mp 82.5-84°. $[\alpha]_D$ −19.4° (c, 1 in MeOH).

(±)-*form* [74427-45-5]

Antiarrhythmic drug. Mp 94.5-95°.

B,H_3PO_4: [22059-60-5]. *Disopyramide phosphate, USAN, JAN. Norpace.*

▷UR8440000.

Adelstein, G.W., *J. Med. Chem.*, 1973, **16**, 309 (*synth, pharmacol*)

Dean, R.R. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1979, **2**, 165 (*rev, pharmacol*)

Burke, T.R. *et al*, *J. Med. Chem.*, 1980, **23**, 1044 (*resoln*)

Cook, C.S. *et al*, *Drug Metab. Dispos.*, 1982, **10**, 116 (*metab*)

Wickman, A. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 183 (*rev*)

Brogden, R.N. *et al*, *Drugs*, 1987, **34**, 151 (*rev, pharmacol*)

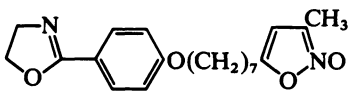
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6320 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7783, 7784.

Disoxaril, USAN, INN **D-00538**

5-[7-[4-(4,5-Dihydro-2-oxazolyl)phenoxy]heptyl]-3-methylisoxazole, 9CI

[87495-31-6]



$C_{20}H_{26}N_2O_3$ M 342.437

Antiviral agent (antipicornavirus drug). Mp 89-90°.

B,$MeSO_3H$: [87495-32-7]. *Win 51711.* Mp 134-135°.

Diana, G.D. *et al*, *J. Med. Chem.*, 1985, **28**, 1906 (*synth, pharmacol*)

Otto, M.J. *et al*, *Antimicrob. Agents Chemother.*, 1985, **27**, 883 (*pharmacol*)

McKinlay, M.A. *et al*, *Antimicrob. Agents Chemother.*, 1986, **29**, 30 (*pharmacol*)

Fox, M.P. *et al*, *Antimicrob. Agents Chemother.*, 1986, **30**, 110 (*pharmacol*)

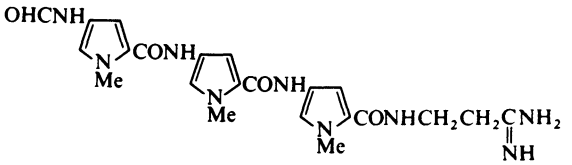
McKinlay, M.A. *et al*, *J. Infect. Dis.*, 1986, **154**, 676 (*pharmacol*)

Eur. Pat., 137 242, (*1985*); *CA*, **103**, 141941 (*synth*)

Distamycin *A* **D-00539**

Stallimycin, INN. *Herperal. Dst 3. FI 6426*

[636-47-5]



$C_{22}H_{27}N_9O_4$ M 481.513

Peptide antibiotic. Isol. from *Streptomyces distallicus.* Antiviral agent, used to treat herpes simplex infections. Mp 154-156°.

▷WZ7108000.

B,HCl: [6576-51-8]. *Stallimycin hydrochloride, USAN.* Cryst. (dil. HCl). Mp 186-189°.

▷WZ7110000.

N'-De-Me: [85407-06-3]. *1-Nordistamycin* A.

$C_{21}H_{25}N_9O_4$ M 467.486

Synthetic analog. Shows improved antiviral activity and similar toxicity to parent. Mp >150° (darkens).

Arcamone, F. *et al*, *Nature (London)*, 1964, **203**, 1064 (*isol, struct, synth*)

Arcamone, F. *et al*, *Gazz. Chim. Ital.*, 1967, **97**, 1097, 1110 (*isol, struct, uv, ir, nmr, synth*)

Hahn, F.E., *Antibiotics*, (*Corcoran, J.W. et al*, Ed.), 1975, Springer, New York, Vol. 3, 79 (*rev*)

Bialer, M. *et al*, *Tetrahedron*, 1978, **34**, 2389 (*pmr, ir, ms, synth*)

Grehn, L. *et al*, *J. Med. Chem.*, 1983, **26**, 1042 (*derivs*)

Bialer, M., *Dev. Mol. Virol.*, 1984, **4**, 143 (*props, rev*)

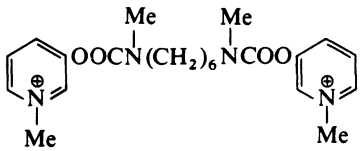
Lown, J.W. *et al*, *J. Org. Chem.*, 1985, **50**, 3774 (*synth, bibl*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1687.

Distigmine(2+) **D-00540**

3,3'-[1,6-Hexanediylbis[(methylimino)carbonyl]oxy]-bis(1-methyl)pyridinium, 9CI. *3-Hydroxy-1-methylpyridinium hexamethylenebis(methylcarbamate),* 8CI. *Hexamarium*

[4685-07-8]



$C_{22}H_{32}N_4O_4^{\oplus\oplus}$ M 416.519 (ion)

Cholinesterase inhibitor, ganglionic blocking agent.

Dibromide: [15876-67-2]. *Distigmine bromide, BAN, INN, JAN. Tonus-Lab. Ubretid. Ubritil. BC 51.*

$C_{22}H_{32}Br_2N_4O_4$ M 576.327

Mp 149° dec.

▷UU5277000.

U.S.P., 2 789 981, (*1958*); *CA*, **52**, 2089

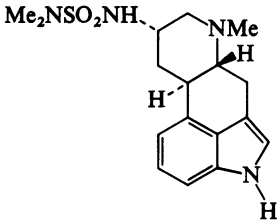
Vincent, D. *et al*, *Therapie*, 1960, **15**, 906 (*pharmacol*)

Hertting, G. *et al, Arzneim.-Forsch.*, 1968, **18**, 479 (*metab*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4513.

Disulergine, INN **D-00541**

N,N-*Dimethyl*-N′-(*6-methylergolin-8α-yl*)*sulfamide*, *9CI. CH 29-717. Sulergine*

[59032-40-5]



$C_{17}H_{24}N_4O_2S$ M 348.462

Dopaminergic agent, inhibitor of prolactin secretion. Mp 228-229°. $[\alpha]_D^{20}$ −50° (c, 0.3 in Py).

Ger. Pat., 2 530 577, (*1976*); *CA*, **84**, 165094f (*synth*)
Flueckiger, E. *et al, Experientia*, 1978, **34**, 1330 (*pharmacol*)
Stuetz, P.L. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 537 (*synth, pharmacol*)

Disulfiram, BAN, INN, USAN **D-00542**

Tetraethyl thioperoxydicarbonic diamide, *9CI. Bis(diethylthiocarbamyl) disulfide*, *8CI. Tetraethylthiuram disulfide. Antabuse. Ethyldithiourame. Numerous proprietary names*

[97-77-8]

$Et_2N—CS—S—S—CS—NEt_2$

$C_{10}H_{20}N_2S_4$ M 296.521

Fungicide, insecticide, bactericide, rubber vulcanisation accelerator, used in treating alcoholism (alcohol deterrent). Sol. CS_2, $CHCl_3$, C_6H_6, EtOH. Mp 70°.

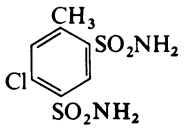
▷Toxic, exp. carcinogen. TLV 2. JO1225000.

Madsen, J.O. *et al, J. Org. Chem.*, 1967, **32**, 2054 (*ms*)
Brinkhoff, H.C. *et al, Recl. Trav. Chim. Pays-Bas*, 1970, **89**, 11 (*nmr*)
Drost, R.H. *et al, Pharm. Weekbl.*, 1970, **105**, 1129 (*uv*)
Kellner, R., *Mikrochim. Acta*, 1975, **2**, 369 (*ir*)
Nash, N.G. *et al, Anal. Profiles Drug Subst.*, 1975, **4**, 168 (*rev, synth*)
de Saint-Blanquat, G. *et al, J. Pharmacol.*, 1976, **7**, 393 (*rev, pharmacol*)
Van Gaal, H.L.M. *et al, Inorg. Chem.*, 1979, **18**, 3251 (*cmr*)
Eneanya, D.I. *et al, Annu. Rev. Pharmacol. Toxicol.*, 1981, **21**, 575 (*rev, pharmacol, tox*)
Peachey, J.E. *et al, Pharmacol. Ther.*, 1981, **15**, 89 (*rev, pharmacol*)
Brien, J.F. *et al, Drug Metab. Rev.*, 1983, **14**, 113 (*rev, metab*)
Wang, Y. *et al, Acta Crystallogr., Sect. C*, 1986, **42**, 1420 (*cryst struct*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 569.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1767 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2731.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 473.

Disulphamide, BAN **D-00543**

4-Chloro-6-methyl-1,3-benzenedisulfonamide, *9CI. 5-Chlorotoluene-2,4-disulfonamide*, *8CI.* ***Disulfamide, INN****. Disamide. Natirene 25. Tolclotidum. Other proprietary names*

[671-88-5]



$C_7H_9ClN_2O_4S_2$ M 284.732

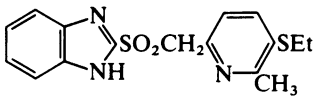
Diuretic. Crystalline powder. Sol. alkalis. Mp 260°.

David, A. *et al, J. Pharm. Pharmacol.*, 1960, **12**, 65 (*pharmacol*)
Bourdais, J. *et al, Bull. Soc. Chim. Fr.*, 1961, 550 (*synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 706 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2326.

Disuprazole, INN **D-00544**

2-[[[4-(Ethylthio)-3-methyl-2-pyridinyl]methyl]-sulfinyl-1H-benzimidazole, *9CI. U 69167*

[99499-40-8]



$C_{16}H_{17}N_3OS_2$ M 331.450

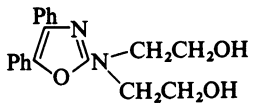
Gastric secretion inhibitor. Mp 148-151°.

Eur. Pat., 150 586, (*1985*); *CA*, **104**, 19586 (*synth*)

Ditazole, INN **D-00545**

N-(*4,5-Diphenyl-2-oxazolyl*)*diethanolamine. 2,2′-[(4,5-Diphenyl-2-oxazolyl)imino]diethanol. 2-(Bis-2-hydroxyethylamino)-4,5-diphenyloxazole. S222. Ageroplas. Diethamphenazol. Ditazol*

[18471-20-0]



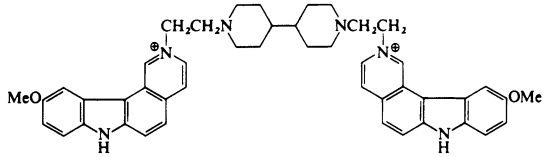
$C_{19}H_{20}N_2O_3$ M 324.379

Antiinflammatory agent; platelet aggregation inhibitor, analgesic. Monohydrate. Mp 96-98°.

Marchetti, E. *et al, J. Med. Chem.*, 1968, **11**, 1092 (*synth, pharmacol, tox*)
Caprino, L. *et al, Arzneim.-Forsch.*, 1973, **23**, 1272 (*pharmacol, tox*)
Marchetti, M. *et al, Arzneim.-Forsch.*, 1973, **23**, 1291 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2639.

Ditercalinium(2+) **D-00546**

2,2′-([4,4′-Bipiperidine]-1,1′-diyldi-2,1-ethanediyl)-bis[10-methoxy-7H-pyrido[4,3-c]carbazolium(2+), *9CI*



$C_{46}H_{50}N_6O_2^{\oplus\oplus}$ M 718.940 (ion)

Antineoplastic agent.

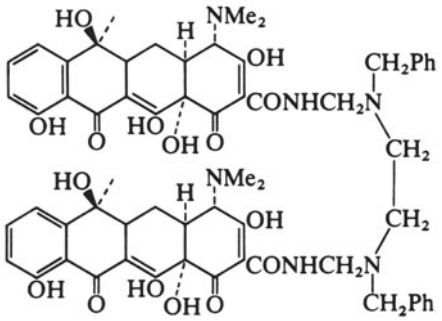
Dichloride: [74517-42-3]. *Ditercalinium chloride, INN. NSC 335153.*
$C_{46}H_{50}Cl_2N_6O_2$ M 789.846

Dichloride; B,2HCl: [75413-56-8]. Cryst. + $2H_2O$. Mp 292°.

Pelaprat, D. *et al, J. Med. Chem.*, 1980, **23**, 1336 (*synth, pharmacol*)

Ditetracycline D-00547

[2950-70-1]



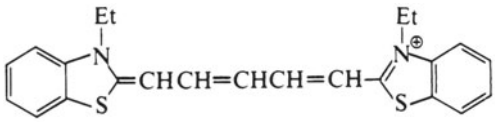
$C_{62}H_{68}N_6O_{16}$ M 1153.250
Antibiotic. Yellow powder + $3H_2O$. Mp 148-154° dec.

Belozerova, O.P. *et al, Antibiotiki (Moscow)*, 1963, **8**, 926 (*synth, props*)
U.S.P., 3 835 190, (*1974*); *CA*, **82**, 111849 (*synth, props*)

Dithiazanine(1+), BAN D-00548

3-Ethyl-2-[5-(3-ethyl-2(3H)-benzothiazolylidene)-1,3-pentadienyl]benzothiazolium, 9CI. 3,3′-Diethylthiacarbocyanine

[7187-55-5]



$C_{23}H_{23}N_2S_2^{\oplus}$ M 391.568 (ion)
Geom. isomerism not defined; undergoes isom. on photochem. excitation. Dye used as photographic sensitiser, constit. of dye lasers and as broad-spectrum anthelmintic.

▷DL7050000.

Iodide: [514-73-8]. *Dithiazanine iodide, INN. Abminthic. Delvex. Numerous proprietary names.*
$C_{23}H_{23}IN_2S_2$ M 518.473
Green needles (MeOH). Mp 248° dec. (230°).

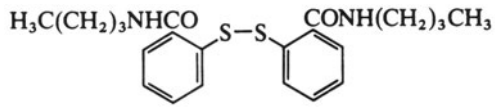
▷DL7060000.

Sytnik, Z.P. *et al, J. Appl. Chem. USSR*, 1936, **9**, 1842; *CA*, **31**, 2609 (*synth*)
U.S.P., 2 412 815, (*1946*); *CA*, **41**, 5041 (*synth*)
McHardy, G. *et al, Southern Med. J.*, 1958, **52**, 102 (*pharmacol*)
Koral, M. *et al, J. Chem. Eng. Data*, 1965, **10**, 67 (*synth*)
Fabian, J. *et al, Tetrahedron*, 1973, **29**, 2597 (*spectrum*)
Zhigulev, K.K. *et al, Dokl. Akad. Nauk SSSR*, 1974, **215**, 347 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6819.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 775.

2,2′-Dithiobis[*N*-butylbenzamide], 9CI, 8CI D-00549

***Disulfbumide**. Azobicina. OD 507*

[2620-88-4]



$C_{22}H_{28}N_2O_2S_2$ M 416.595
Topical antiseptic, antifungal agent. Cryst. (ethoxyethanol). Mp 184° (178-179°).

Boeshagen, H., *Chem. Ber.*, 1966, **99**, 2566 (*synth*)
Gialdi, F. *et al, J. Soc. Cosmetic Chemists*, 1966, **17**, 575 (*use*)
Montanari, L. *et al, Farmaco, Ed. Sci.*, 1977, **32**, 539 (*synth, pharmacol*)
Yamada, K. *et al, Chem. Pharm. Bull.*, 1985, **33**, 1214 (*pharmacol*)

2,2′-Dithiobisethanesulfonic acid, 9CI D-00550

2,2′-Dithiodiethanesulfonic acid, 8CI. Diethyl disulfide-2,2′-disulfonic acid. 3,4-Dithia-1,6-hexanedisulfonic acid. Coenzyme M

[45127-11-5]



$C_4H_{10}O_6S_4$ M 282.359
Bacterial cofactor.

Di-Na salt: [16208-51-8]. ***Dimesna, INN**. Mesna disulphide.*
$C_4H_8Na_2O_6S_4$ M 326.323
Metab. of Mesna. Mucolytic agent. Used to alleviate toxic side effects of antitumour drugs. Mp 273° dec.

S-*Benzylthiuronium salt:* Mp 97°.

Dichloride:
$C_4H_8Cl_2O_4S_4$ M 319.251
Mp 68-72°.

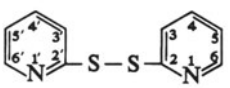
Diamide:
$C_4H_{12}N_2O_4S_4$ M 280.390
Mp 146-151°.

Lemaire, H. *et al, J. Org. Chem.*, 1961, **26**, 1330 (*synth*)
Fedoseeva, V.N. *et al, Ukr. Khim. Zh.*, 1967, **33**, 596; *CA*, **67**, 90729e (*synth*)

2,2′-Dithiobispyridine, 9CI D-00551

2,2′-Dipyridyl disulfide. Aldrithiol 2

[2127-03-9]



$C_{10}H_8N_2S_2$ M 220.307
Reagent for peptide coupling and macrocylic lactonisation of ω-hydroxy acids and selective reagent for detecting thiols. Mp 57-58°.

N,N′-*Dioxide:* [3696-28-4]. ***Dipyrithione**, USAN, INN. Omadine disulfide. OMDS.*
$C_{10}H_8N_2O_2S_2$ M 252.305
Antibacterial, antifungal agent. Mp 200-201° dec.

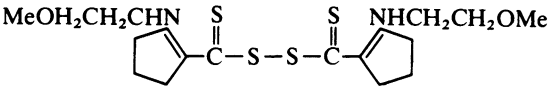
N,N′-*Dioxide, $MgSO_4$ complex:* [67182-81-4]. *Bispyrithione magsulfex, USAN.* [*2,2′-Dithiobis*[*pyridine*] *1,1′-dioxide*-O,O′,S] [*sulfato*(2−)-O]*magnesium, 9CI. Omadine MDS.*
$C_{10}H_8MgN_2O_6S_3$ M 372.668
Antibacterial, antidandruff and antifungal agent.

Räth, C., *Justus Liebigs Ann. Chem.*, 1931, **487**, 105 (*synth*)
Can. Pat., 501 851, (*1954*); *CA*, **50**, 6740 (*deriv*)
U.S.P., 2 742 476, (*1956*); *CA*, **50**, 16877c (*deriv*)
Grassetti, D.R. *et al*, *J. Chromatogr.*, 1969, **41**, 121 (*use*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 5614 (*use*)
Keats, N.G. *et al*, *J. Heterocycl. Chem.*, 1977, **14**, 232 (*ms*)
Grimshaw, C.E. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 1521 (*use*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **8**, 214 (*use*)

2,2'-(Dithiodicarbonothioyl)bis[*N*-(2-methoxyethyl)-1-cyclopenten-1-amine, 9CI D-00552

Di-[2-[N-(2'-methoxyethyl)amino]cyclopent-1-en-1-thiocarbonyl]disulfide. RGH 2928

[67683-58-3]



$C_{18}H_{28}N_2O_2S_4$ M 432.671

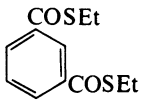
Dopamine β-hydroxylase inhibitor. Mp 132-139° dec.

Ger. Pat., 2 758 809, (*1978*); *CA*, **89**, 129115 (*synth, pharmacol*)
Kiss, B. *et al*, *CA*, 1980, **92**, 51956 (*pharmacol*)

Ditophal, BAN, INN D-00553

1,3-Benzenedicarbothioic acid S,S-*diethyl ester*, 9CI. *1,3-Dithioisophthalic acid* S,S-*diethyl ester*, 8CI. *Etisul. ETIP. ICI 15688*

[584-69-0]



$C_{12}H_{14}O_2S_2$ M 254.361

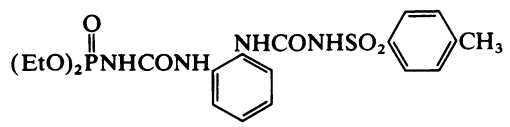
Used in treatment of leprosy and tuberculosis. Pale-yellow, oily liq. Bp_{15} 210-212°.

Davies, G.E. *et al*, *Br. J. Pharmacol.*, 1957, **12**, 434; 1960, **15**, 122 (*pharmacol*)
U.S.P., 2 826 600, (*1958*); *CA*, **52**, 7354 (*synth*)
Chang, U.T., *Antimicrob. Agents Chemother.*, 1961, 875 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6555.

Diuredosan D-00554

[[[2-[[[[(4-Methylphenyl)sulfonyl]amino]carbonyl]-amino]phenyl]amino]carbonyl]phosphoramidic acid diethyl ester, 9CI

[52406-09-4]



$C_{19}H_{25}N_4O_7PS$ M 484.463

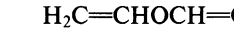
Vet. anthelmintic agent. Mp 136-140° dec.

Todd, K.S. *et al*, *Am. J. Vet. Res.*, 1976, **37**, 1329 (*pharmacol*)
U.S.P., 4 276 290, (*1981*); *CA*, **96**, 85276 (*synth*)

Divinyl ether D-00555

1,1'-Oxybisethene, 9CI. ***Vinyl ether, BAN, USAN***. *Divinyl oxide*

[109-93-3]



C_4H_6O M 70.091

Inhalation anaesthetic. Liq. with characteristic odour. Spar. sol. H_2O. Bp 39°. n_D^{20} 1.3989. Dec. and polymerises on exp. to light.

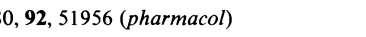
▷Extremely flammable, flash p. <−30°. YZ6700000.

Semmler, F.W., *Justus Liebigs Ann. Chem.*, 1887, **241**, 114 (*synth*)
Taskenen, E., *J. Org. Chem.*, 1978, **43**, 2776 (*synth, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3127.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 477.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1260.

Dixanthogen, INN D-00556

Thioperoxydicarbonic acid diethyl ester, 9CI. *Dithiobis[thioformic acid]* O,O-*diethyl ester*, 8CI. O,O-*Diethyl dithiobis[thioformate]*. *Bisethylxanthogen. Diethyl xanthogenate. Ethylxanthic disulfide. Aulin. Galasan. Sarcocide. Xantoscabin. Other synonyms*

[502-55-6]



$C_6H_{10}O_2S_4$ M 242.384

Used in insecticide formulations and as a herbicide. Yellow needles. Mp 28-32°.

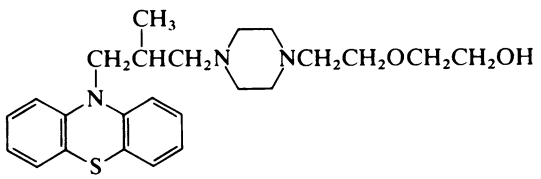
▷LQ7700000.

Losse, G. *et al*, *J. Prakt. Chem.*, 1961, **13**, 260 (*synth*)
Gutenmann, W.H. *et al*, *J. Agric. Food Chem.*, 1971, **19**, 200 (*metab*)
Watanabe, Y., *Acta Crystallogr., Sect. B*, 1971, **267**, 644 (*cryst struct*)
Cox, B.G. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 113.
Siwek, B. *et al*, *Rocz. Chem.*, 1977, **51**, 1477; *CA*, **87**, 207211m.
Beelitz, K. *et al*, *Chem.-Ztg.*, 1978, **102**, 67; *CA*, **88**, 189611f.
Tantry, K.N. *et al*, *Indian J. Chem., Sect. A*, 1979, **18**, 347 (*ir*)
Schroll, A.L. *et al*, *J. Org. Chem.*, 1986, **51**, 1866 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 497.

Dixyrazine D-00557

2-[2-[4-[2-Methyl-3-(10H-phenothiazin-10-yl)propyl]-1-piperazinyl]ethoxy]ethanol, 9CI. *Ansiolene. Esocalm. Esucos. Metronal. Roscal. UCB 3412*

[2470-73-7]



$C_{24}H_{33}N_3O_2S$ M 427.604

Neuroleptic, antihistamine.

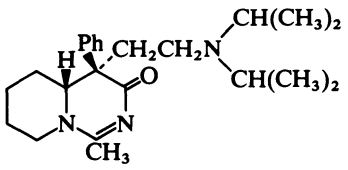
▷KL8000000.

B,2HCl: Cryst. (2-propanol). Mp 192°.
Oxalate (1:2): [20085-26-1]. *Dixypazin.*

B.P., 861 420, (*1961*); *CA*, **55**, 16575b (*synth*)
Levis, S. *et al*, *Arch. Int. Pharmacodyn.*, 1961, **131**, 262 (*pharmacol*)
Gilbert, J.N. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Mikhailova, T.V. *et al*, *Farmakol. Toksikol.*, 1969, **32**, 28 (*pharmacol*)
Kreyenbuehl, D. *et al*, *Pharm. Acta Helv.*, 1979, **54**, 197 (*uv, ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7037.

Dizactamide D-00558

4-[2-[Bis(1-methylethyl)amino]ethyl]-4,4a,5,6,7,8-hexahydro-1-methyl-4-phenyl-3H-pyrido[1,2-c]pyrimidin-3-one, 9CI



$C_{23}H_{35}N_3O$ M 369.549

***cis*-(±)-form** [96914-39-5]

SC 36602

Antiarrhythmic agent. Cryst. (Et_2O). Mp 201-202°.

***trans*-(±)-form** [96914-40-8]

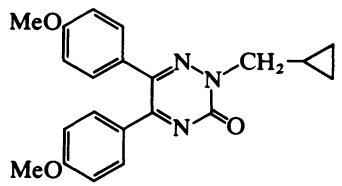
Cryst. (Et_2O/hexane). Mp 177-180°.

Chorvat, R.J. *et al*, *J. Med. Chem.*, 1985, **28**, 1285.
Borowicz, L.E. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **9**, 57 (*pharmacol*)
Roston, D.A., *J. Liq. Chromatogr.*, 1987, **10**, 3427 (*hplc*)

Dizatrifone, INN D-00559

2-(Cyclopropylmethyl)-5,6-bis(4-methoxyphenyl)-1,2,4-triazin-3(2H)-one, 9CI

[92257-40-4]



$C_{21}H_{21}N_3O_3$ M 363.415

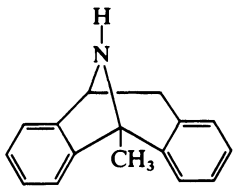
Peripheral analgesic. Yellow cryst. Mp 114°.

Eur. Pat., 123 605, (*1984*); *CA*, **102**, 95681 (*synth, pharmacol*)

Dizocilpine, INN D-00560

10,11-Dihydro-5-methyl-5H-dibenzo[a,d]cyclohepten-5,10-imine, 9CI

[70449-94-4]



$C_{16}H_{15}N$ M 221.301

(+)-form [77086-21-6]

MK 801

Pharmacol. active isomer. Anticonvulsant, sympathomimetic, anxiolytic agent. Cryst. (cyclohexane). Mp 68.5-69°. $[\alpha]_{589}^{20}$+° 161.4 (c, 0.09 in EtOH).

Hydrogen maleate: [77086-22-7]. Mp 208.5-210°. $[\alpha]_D$ +° 117 (c, 1 in MeOH).

(±)-form [77086-18-1]

Mp 77-85°.

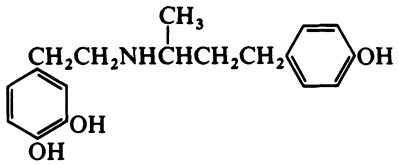
Oxalate: [87747-30-6]. Cryst. ($MeOH/Me_2CO$). Mp 216-218° dec.

Christy, M.E. *et al*, *J. Org. Chem.*, 1979, **44**, 3117 (*synth, pmr, ms*)
Belg. Pat., 882 361, (*1980*); *CA*, **94**, 139643w (*synth, resoln*)
Clineschmidt, B.V. *et al*, *Drug Dev. Res.*, 1982, **2**, 123, 135, 147 (*pharmacol*)
Hucker, H.B. *et al*, *Drug Metab. Dispos.*, 1983, **11**, 54 (*metab*)
Dagani, R. *et al*, *Chem. Eng. News*, 1986, **64**, 23.
Woodruff, G.N. *et al*, *Neuropharmacology*, 1987, **26**, 903 (*rev, pharmacol*)
Barnes, D.M. *et al*, *Science*, 1987, **235**, 632.
Lamanec, T.R. *et al*, *J. Org. Chem.*, 1988, **53**, 1768.

Dobutamine, BAN, USAN, INN D-00561

4-[2-[[3-(4-Hydroxyphenyl)-1-methylpropyl]amino]ethyl]-1,2-benzenediol, 9CI

[34368-04-2]



$C_{18}H_{23}NO_3$ M 301.385

(±)-form

Cardiac stimulant.

B,HCl: [52663-81-7]. *Dobutamine hydrochloride*, *USAN*, *JAN*. *Dobutrex*. *Inofrex*. *Lilly 46236*. Mp 184-186°.

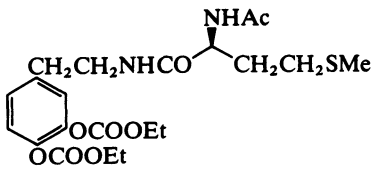
▷CZ9001000.

U.S.P., 2 987 200, (*1976*); *CA*, **86**, 72167 (*synth, pharmacol*)
Weber, R. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 109 (*rev, pharmacol*)
Bishara, R.H. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 139 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2052.

Docarpamine, INN D-00562

4-[2-[[2-(Acetylamino)-4-(methylthio)-1-oxobutyl]amino]ethyl-1,2-phenylene diethyl carbonate, 9CI. N-(N-*Acetyl-L-methionyl*)-*3,4-diethoxycarboxyphenethylamine*

[74639-40-0]



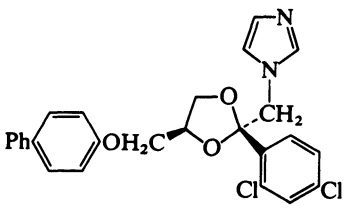
$C_{21}H_{30}N_2O_8S$ M 470.537

Antihypertensive agent. Cryst. Mp 85-90°. $[\alpha]_D^{20}$ −15.6° (c, 2 in MeOH).

Eur. Pat., 7 441, (*1980*); *CA*, **93**, 114976y (*synth, pharmacol*)

Doconazole, USAN, INN D-00563

1-[[4-[([1,1'-Biphenyl]-4-yloxy)methyl]-2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1H-imidazole, 9CI. *R 34000*



cis-form

$C_{26}H_{22}Cl_2N_2O_3$ M 481.377

cis-form [59831-63-9]
Antifungal agent. Cryst. (2-propanol). Mp 150.7°.
Ger. Pat., 2 602 770, (*1976*); *CA*, **86**, 29811b (*synth, pharmacol*)
Dixon, D.M. *et al*, *Chemotherapy* (*Basel*), 1978, **24**, 364 (*pharmacol*)
Harvey, R.P. *et al*, *Rev. Infect. Dis.*, 1980, **2**, 559 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2577.

4,7,10,13,16,19-Docosahexaenoic acid D-00564

[2091-24-9]

$H_3CCH_2(CH{=}CHCH_2)_6CH_2COOH$

$C_{22}H_{32}O_2$ M 328.494

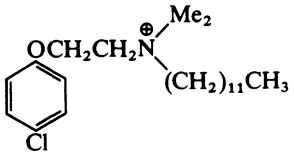
(all-Z)-form [6217-54-5]
Metabolic prod. of α-Linolenic acid present in fish oils and in many phospholipids. Component of Omega-3 Marine Triglycerides, O-00043 .

Me ester: [2566-90-7].
$C_{23}H_{34}O_2$ M 342.520
Oil.

Hands, A.R. *et al*, *Biochem. J.*, 1963, **87**, 263.
Beach, D.H. *et al*, *Biochim. Biophys. Acta*, 1974, **369**, 16 (*biosynth*)
Morales, R.W. *et al*, *Biochim. Biophys. Acta*, 1976, **431**, 206 (*isol*)
Sanders, T.A.B. *et al*, *Am. J. Clin. Nutr.*, 1978, **31**, 805.
Moreno, V.J. *et al*, *Lipids*, 1979, **14**, 15 (*biosynth*)
Selivonchick, D.P. *et al*, *Lipids*, 1979, **14**, 66 (*isol*)

Dodeclonium(1+) D-00565

N-[*2-(4-Chlorophenoxy)ethyl*]-N,N-*dimethyl-1-dodecanaminium*, *9CI*. [*2-(p-Chlorophenoxy)ethyl*]-*dodecyldimethylammonium*, *8CI*



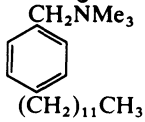
$C_{22}H_{39}ClNO^{\oplus}$ M 369.009 (ion)
Antiseptic. Detergent.

Bromide: [15687-13-5]. *Dodeclonium bromide*, *INN*. *Otinyl. GR 412.*
$C_{22}H_{39}BrClNO$ M 448.913
Mp 122°.

Gautier, J.A. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 1014 (*synth*)
Kiger, J.L. *et al*, *Ann. Pharm. Fr.*, 1967, **25**, 601 (*anal*)
Gautier, J.A. *et al*, *Ann. Pharm. Fr.*, 1970, **28**, 49 (*pharmacol*)

(4-Dodecylbenzyl)trimethylammonium(1+) D-00566

4-Dodecyl-N,N,N-*trimethylbenzenemethanaminium*, *9CI*



$C_{22}H_{40}N^{\oplus}$ M 318.565 (ion)
Antiseptic, disinfectant.

Chloride: [19014-05-2]. *Halimide.*
$C_{22}H_{40}ClN$ M 354.018
Pale yellow glass.
Darragh, J.L. *et al*, *Ind. Eng. Chem.*, 1954, **46**, 254 (*synth, props*)
U.S.P., 2 692 286, (*1954*); *CA*, **49**, 11701f (*synth, props*)
U.S.P., 2 865 805, (*1958*); *CA*, **53**, 8094g (*synth*)

Dodecyldimethyl-2-phenoxyethylammonium(1+) D-00567

N,N-*Dimethyl*-N-(*2-phenoxyethyl*)-*1-dodecanaminium*, *9CI*. *Domiphen. Phenododecinium*

[13900-14-6]

$PhOCH_2CH_2N^{\oplus}Me_2(CH_2)_{11}CH_3$

$C_{22}H_{40}NO^{\oplus}$ M 334.564 (ion)
Bactericide used in detergents and antiseptics.

Bromide: [538-71-6]. *Domiphen bromide*, *BAN*, *USAN*, *INN*. *Bradosol. Domibrom. NSC 39415. Other proprietary names.*
$C_{22}H_{40}BrNO$ M 414.468
Mp 112-113°.
▷BQ2030000.

U.S.P., 2 581 336, (*1952*); *CA*, **46**, 3713 (*synth, pharmacol*)
Gautier, J.A. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 1014 (*synth*)
U.S.P., 4 098 877, (*1975*); *CA*, **89**, 204264
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6778 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2242.

Dodecyltriphenylphosphonium(1+), 9CI D-00568

$Ph_3P^{\oplus}(CH_2)_{11}CH_3$

$C_{30}H_{40}P^{\oplus}$ M 431.620 (ion)
Topical antifungal agent.

Bromide: [15510-55-1]. *Nycal. Myxal-Lösung. DTPB. D 305.*
$C_{30}H_{40}BrP$ M 511.524
Hygroscopic cryst. ($EtOAc/Et_2O$). Mp 87-88°, 98-99°. NaH or butyllithium → ylide.

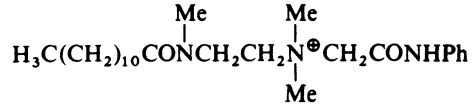
Pentachlorophenol salt (*1:1*): [24360-58-5]. ***Pentaphonate***. *Claraphos*. Antibacterial agent. Viscous brown oil.

Ylide: [54208-04-7]. *Dodecylidenetriphenylphosphorane.*
$C_{30}H_{39}P$ M 430.612
Used in Wittig reaction. Red.

Jerchel, M. *et al*, *Chem. Ber.*, 1950, **83**, 277 (*synth*)
Kimmig, J. *et al*, *Klin. Wochschr.*, 1950, **28**, 429 (*pharmacol*)
Ger. Pat., 920 726, (*1954*); *CA*, **53**, 291 (*Pentaphonate*)
Jerchel, D. *et al*, *Z. Naturforsch., B*, 1961, **16**, 85 (*props*)
Chasin, D.G. *et al*, *Chem. Phys. Lipids*, 1971, **6**, 8 (*synth, use*)
Bestmann, H.J. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1976, **15**, 298 (*use*)
Lie Ken Jie, M.S.F. *et al*, *Chem. Phys. Lipids*, 1978, **21**, 275 (*use*)
Ku, T.W. *et al*, *J. Med. Chem.*, 1985, **28**, 1847 (*synth*)

Dofamium(1+) D-00569

N,N-*Dimethyl*-N-[*2-*[*methyl*(*1-oxododecyl*)*amino*]-*ethyl*]-*2-oxo-2-*(*phenylamino*)*ethanaminium*, *9CI*



$C_{25}H_{44}N_3O_2^{\oplus}$ M 418.642 (ion)

Antiseptic, water sterilant.

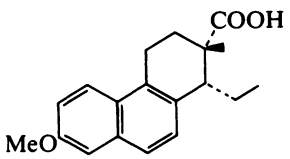
Chloride: [54063-35-3]. *Dofamium chloride, BAN, INN. Phenamylinium chloride. Desocin. Desogen. G 25268.*
$C_{25}H_{44}ClN_3O_2$ M 454.095
Cryst. (Me_2CO). Mp 124°.

B.P., 680 476, (*1952*); *CA*, **47**, 12422d (*synth, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2241.

Doisynoestrol D-00570

1-Ethyl-1,2,3,4-tetrahydro-7-methoxy-2-methyl-2-phenanthrenecarboxylic acid, 9CI. α-Bisdehydrodoisynolic acid methyl ether. Dehydrofolliculinic acid. Doisynestrol. Fenocycline. Fenocylin. Phenocyclin. Surestrine. Surestryl (old form). RS 2874

[15372-34-6]



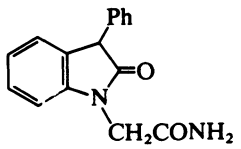
$C_{19}H_{22}O_3$ M 298.381
Oestrogen. Cryst. (Me_2CO). Mp 228-230°.

Heer, J. *et al*, *Helv. Chim. Acta*, 1945, **28**, 1342 (*synth*)
Miescher, K., *Chem. Rev.*, 1948, **43**, 367 (*rev*)
Gastambide-Odier, M. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 1777 (*synth*)

Doliracetam, INN D-00571

2,3-Dihydro-2-oxo-3-phenyl-1H-indole-1-acetamide, 9CI

[84901-45-1]



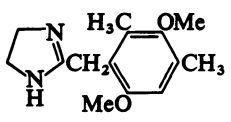
$C_{16}H_{14}N_2O_2$ M 266.299
(±)-*form*
Nootropic (cognition enhancer). Used in treatment of epilepsy. Cryst. (EtOH). Mp 184-185°.

Eur. Pat., 62 887, (*1982*); *CA*, **98**, 107157g (*synth, pharmacol*)

Domazoline, INN D-00572

2-[(3,6-Dimethoxy-2,4-dimethylphenyl)methyl]-4,5-dihydro-1H-imidazole, 9CI. 2-(3,6-Dimethoxy-2,4-dimethylbenzyl)-2-imidazoline, 8CI. Doxazoline. Sch 13166

[6043-01-2]



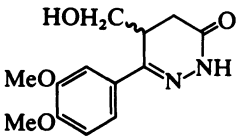
$C_{14}H_{20}N_2O_2$ M 248.324
Anticholinergic; hair stiffener for use in depilatory preparations. Vasoconstrictor. Nasal decongestant. Cryst. (Me_2CO/pet. ether). Mp 120-121°.

(E)-*Butenedioate salt:* [35100-41-5]. *Domazoline fumarate, USAN.*
Picrate: Cryst. (MeOH aq.). Mp 147-149°.

B.P., 1 026 778, (*1966*); *CA*, **64**, 19629c (*synth, use*)
Ger. Pat., 1 302 902, (*1971*); *CA*, **75**, 49084t (*synth*)

Domipizone, INN D-00573

6-(3,4-Dimethoxyphenyl)-4,5-dihydro-5-(hydroxymethyl)-3(2H)-pyridazinone, 9CI



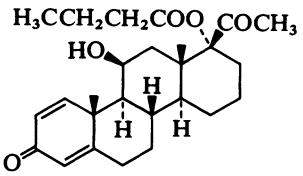
$C_{13}H_{16}N_2O_4$ M 264.280
(±)-*form* [95355-10-5]
Platelet aggregation inhibitor, cardiotonic, vasodilator. Mp 203-205°.

Eur. Pat., 129 791, (*1985*); *CA*, **102**, 220886 (*synth, pharmacol*)

Domoprednate, INN D-00574

11β,11-Hydroxy-17a-(1-oxobutoxy)homopregna-1,4-diene-3,20-dione, 9CI. 11β,17a-Dihydroxyhomopregna-1,4-diene-3,20-dione 17a-butyrate. Stermonid. Ro 12-7024

[66877-67-6]



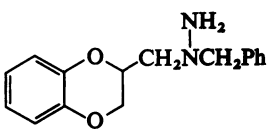
$C_{26}H_{36}O_5$ M 428.567
Antiinflammatory agent. $[\alpha]_D$ +22° (c, 0.002 in dioxan).

Ger. Pat., 2 738 363, (*1978*); *CA*, **89**, 43972 (*synth*)
Swiss Pat., 629 828, (*1982*); *CA*, **97**, 125713u (*synth*)
Schmidt, H. *et al*, *Curr. Ther. Res.*, 1985, **37**, 207 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19106.

Domoxin D-00575

1-(1,4-Benzodioxan-2-ylmethyl)-1-benzylhydrazine, 8CI. IS 2596

[61-74-5]



$C_{16}H_{18}N_2O_2$ M 270.330
(±)-*form*
Monoamine oxidase inhibitor, antithrombotic agent. $Bp_{0.1}$ 112-115°.

Oxalate: Mp 185°.
Tartrate (1:1): [325-23-5]. *Domoxin tartrate. Hydrazinoxane. IS 2596.*

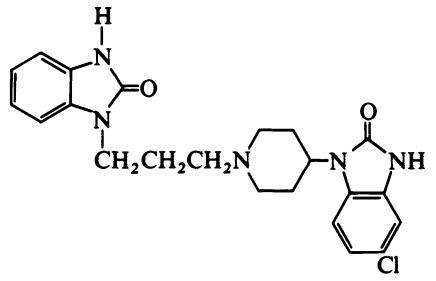
▷MU8050000.

Bovet-Nitti, F. *et al*, *Gazz. Chim. Ital.*, 1959, **89**, 196 (*synth, pharmacol, tox*)

Domperidone, BAN, INN, USAN, JAN **D-00576**

5-Chloro-1-[1-[3-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)propyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one, 9CI. Other proprietary names

[57808-66-9]



$C_{22}H_{24}ClN_5O_2$ M 425.917

Antiemetic drug. Cryst. (DMF aq.). Mp 242.5°.

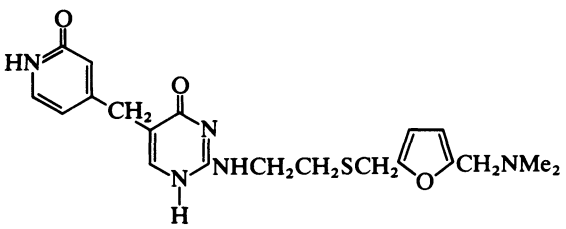
▷DE2275900.

Ger. Pat., 2 632 870, (*1977*); *CA*, **87**, 23274c (*synth, pharmacol*)
Brogden, R.N. *et al*, *Drugs*, 1982, **24**, 360 (*rev, pharmacol*)
Emanuel, M.B. *et al*, *Clin. Res. Rev.*, 1983, **3**, 15, 57, 91 (*revs*)
Kennis, L.E.J. *et al*, *Drug. Dev. Res.*, 1986, **8**, 133 (*synth, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6499.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6544.

Donetidine, BAN, INN, USAN **D-00577**

5-[(1,2-Dihydro-2-oxo-4-pyridyl)methyl]-2-[[2-[[5-[(dimethylamino)methyl]furfuryl]thio]ethyl]amino]-4(1H)-pyrimidinone. SKF 93574

[99248-32-5]



$C_{20}H_{25}N_5O_3S$ M 415.509

Histamine H_2 receptor antagonist.

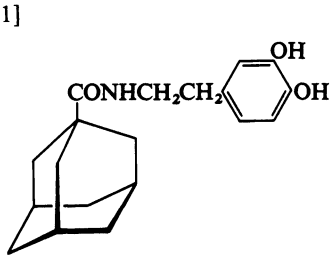
B,3HCl: Cryst. (MeOH/EtOH). Mp 181-185°.

Eur. Pat., 3 677, (*1979*); *CA*, **92**, 76539c (*synth*)
Blakemore, R.C. *et al*, *Br. J. Pharmacol.*, 1985, **86**, 570P (*pharmacol*)
Armitage, M.A. *et al*, *J. Labelled Compd. Radiopharm.*, 1987, **24**, 431 (*synth*)
Picot, V.S. *et al*, *Chromatographia*, 1987, **24**, 282 (*hplc*)

Dopamantine, USAN, INN **D-00578**

N-[2-(3,4-Dihydroxyphenyl)ethyl]tricyclo[3.3.1.1^{3,7}]decane-1-carboxamide, 9CI. Sch 15507

[39907-68-1]



$C_{19}H_{25}NO_3$ M 315.411

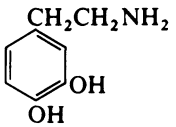
Antiparkinsonian drug. Cryst. (Me_2CO/Et_2O). Mp 198-200°.

U.S.P., 3 944 675, (*1976*); *CA*, **84**, 179904g (*synth, pharmacol*)

Dopamine, BAN, INN **D-00579**

4-(2-Aminoethyl)-1,2-benzenediol, 9CI. 2-(3,4-Dihydroxyphenyl)ethylamine. 3,4-Dihydroxyphenethylamine. Hydroxytyramine. ASL 279. Cardiosteril. Dopastat. Intropin. NSC 169105. Other synonyms

[51-61-6]



$C_8H_{11}NO_2$ M 153.180

Occurs in animals, esp. in the brain and nervous system, and in several higher plants, such as broom (*Cytisus scoparius*) and banana (*Musa sapientium*), and in the alga *Monostroma fuscum* (Leguminosae, Musaceae). Adrenergic, sympathomimetic, vasopressor. Autoxidises very readily as free base.

▷UX1088000.

B,HCl: [62-31-7]. *Dopamine hydrochloride, USAN, JAN. Intropin.* Mp 240-241° dec. (>220° dec.).

▷UX1092000.

O^3-β-D-Glucoside: [50908-96-8]. ***Dopamine 3-O-glucoside.***

$C_{14}H_{21}NO_7$ M 315.322

Alkaloid from seeds of *Entada pursaetha* (Leguminosae). Semicryst. brown solid. $[\alpha]_D^{20}$ −62.0° (c, 2 in H_2O).

O^3-β-D-Glucoside, per-Ac: $[\alpha]_D$ −16° (c, 3.6 in EtOH), $[\alpha]_D^{20}$ +0.7° (c, 5 in $CHCl_3$).

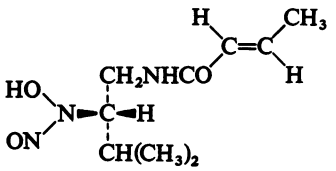
N-Me: see Epinine, E-00081

O^4-Me: [3213-30-7]. ***3-Hydroxy-4-methoxyphenethylamine.*** *5-(2-Aminoethyl)-2-methoxyphenol, 9CI, 8CI.* Alkaloid from *Pachycereus pecten-aboriginum* (Cactaceae). Identified chromatographically.

Org. Synth., Coll. Vol., **3**, 720 (*synth*)
Waalkes, T.P. *et al*, *Science*, 1958, **127**, 648 (*isol*)
Keppe, T. *et al*, *J. Med. Chem.*, 1965, **8**, 368 (*uv*)
Agurell, S. *et al*, *Lloydia*, 1971, **34**, 183 (*3-Hydroxy-4-methoxyphenethylamine*)
Lundström, J., *Acta Chem. Scand.*, 1971, **25**, 3489 (*biosynth*)
Larsen, P.O. *et al*, *Phytochemistry*, 1973, **12**, 2243 (*glucoside*)
Milne, G.W. *et al*, *Anal. Chem.*, 1973, **45**, 1952 (*ms*)
Lambert, F. *et al*, *Org. Magn. Reson.*, 1975, **72**, 66 (*pmr*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur, bibl*)
Scratchley, G.A. *et al*, *J. Chromatogr.*, 1979, **169**, 313 (*hplc*)
Carter, J.E. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 257 (*rev, uv, ir, pmr, cmr, ms, anal*)
Carey, R.M. *et al*, *Recent Prog. Horm. Res.*, 1986, **42**, 251 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2053.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 946 (*synonyms*)

Dopastin **D-00580**

N-[2-(Hydroxynitrosoamino)-3-methylbutyl]-2-butenamide, 9CI



$C_9H_{17}N_3O_3$ M 215.252

(S,E)-form [37134-80-8]

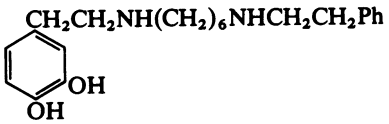
Obt. from *Pseudomonas* bacteria. Antihypertensive agent, dopamine β-hydroxylase inhibitor. Mp 116-119°. $[\alpha]_D^{21}$ −246° (c, 0.5 in EtOH). pK_a 5.1.

Ger. Pat., 2 214 757, (*1972*); *CA*, **77**, 163039 (*pharmacol*)
Ohno, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 147 (*abs config*)
Umezawa, H., *Pure Appl. Chem.*, 1973, **33**, 129 (*pharmacol*)
Iinuma, H. *et al*, *Agric. Biol. Chem.*, 1974, **38**, 2099 (*synth, props*)

Dopexamine, BAN, INN, USAN **D-00581**

4-[2-[[6-[(Phenylethyl)amino]hexyl]amino]ethyl]-1,2-benzenediol, 9CI. Dopacard. FPL 60278

[86197-47-9]



$C_{22}H_{32}N_2O_2$ M 356.507

Cardiovascular agent, coronary vasodilator.

B,2HCl: [86484-91-5]. *Dopexamine hydrochloride, USAN. FPL 60278AR.* Cryst. (EtOH). Mp 219°.

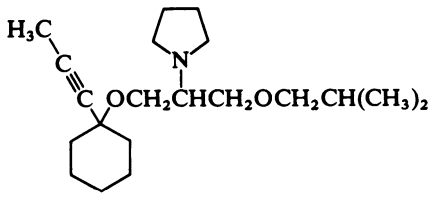
B,2HBr: [86484-52-8]. Cryst. (EtOH). Mp 227-228°.

Eur. Pat., 72 061, (*1983*); *CA*, **99**, 53408q (*synth*)
Brown, R.A. *et al*, *Br. J. Pharmacol.*, 1985, **85**, 599, 609 (*pharmacol*)
Eyley, S.C. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1079 (*cryst struct*)
Bayliss, J. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **9**, 551 (*pharmacol*)
Smith, G.W. *et al*, *J. Pharm. Pharmacol.*, 1987, **39**, 636 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18632.

Dopropidil, INN **D-00582**

1-[1-[(2-Methylpropoxy)methyl]-2-[[1-(1-propynyl)-cyclohexyl]oxy]ethyl]pyrrolidine, 9CI

[79700-61-1]



$C_{20}H_{35}NO_2$ M 321.502

Antianginal, antiischaemic agent. Yellow liq. $Bp_{0.5}$ 130-135°. $n^{20}D$ 1.483.

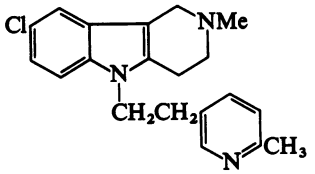
B,HCl: CERM 4205. Cryst. (EtOH).

Eur. Pat., 31 771, (*1981*); *CA*, **95**, 186638 (*synth, pharmacol*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 864 (*cryst struct*)

Dorastine, INN **D-00583**

8-Chloro-2,3,4,5-tetrahydro-2-methyl-5-[2-(6-methyl-3-pyridinyl)ethyl]-1H-pyrido[4,3-b]indole, 9CI. Ro 5-9110/1

[21228-13-7]



$C_{20}H_{22}ClN_3$ M 339.867

Antihistamine. Cryst. (EtOAc). Mp 114.5-115.5°.

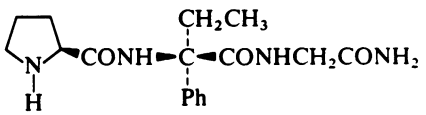
B,2HCl: [21228-28-4]. *Dorastine hydrochloride, USAN.* Cryst. (EtOH/Et_2O). Mp 264-266°.

U.S.P., 3 409 628, (*1968*); *CA*, **71**, 38939s (*synth, pharmacol*)

Doreptide, INN **D-00584**

L-Prolyl-α-phenyl-L-α-aminobutyrylglycinamide, 9CI

[90104-48-6]



$C_{17}H_{24}N_4O_3$ M 332.402

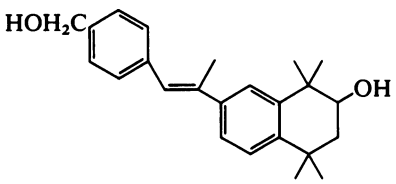
Cryst. (2-propanol/Et_2O). Mp 151-158°. $[\alpha]_D^{20}$ −5° (c, 0.5 in MeOH).

Ger. Pat., 3 226 241, (*1984*); *CA*, **100**, 192284y (*synth*)

Doretinal **D-00585**

1,2,3,4-Tetrahydro-7-[2-[4-(hydroxymethyl)phenyl]-1-methylethenyl]-1,1,4,4-tetramethyl-2-naphthalenol, 9CI

[104561-36-6]



$C_{24}H_{30}O_2$ M 350.500

(E)-form

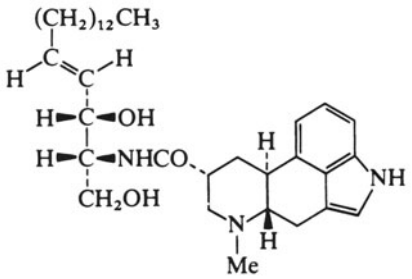
Dermatological agent. Cryst. Mp 184-185°.

Ger. Pat., 3 434 942, (*1986*); *CA*, **108**, 150070k (*synth, pharmacol*)

Dosergoside, INN D-00586

N-[2-Hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-6-methylergoline-8-carboxamide, 9CI. N-(Dihydrolysergyl)sphingosine

[87178-42-5]



$C_{34}H_{53}N_3O_3$ M 551.811

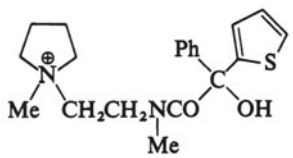
Dopaminergic agent. Cryst. (Me_2CO). Mp 206°. $[\alpha]_D$ −63° (c, 2 in MeOH).

B,MeSO$_3$H: [87244-76-6]. *Dosergoside mesilate. Lyrgosin. AF 1.* Cryst. $[\alpha]_D$ −41.5° (c, 2 in MeOH).

Eur. Pat., 72 286,, (*1981*); *CA*, **99**, 140384 (*synth, pharmacol*)

Dotefonium(1+) D-00587

1-[2-[(Hydroxyphenyl-2-thienylacetyl)methylamino]-ethyl]-1-methylpyrrolidinium, 9CI. 1-Methyl-1-[2-(N-methyl-α-2-thienylmandelamido)ethyl]pyrrolidinium, 8CI



$C_{20}H_{27}N_2O_2S^{\oplus}$ M 359.506 (ion)

(±)-form

Anticholinergic, spasmolytic agent.

Bromide: [26058-50-4]. *Dotefonium bromide, INN. H 4132.*

$C_{20}H_{27}BrN_2O_2S$ M 439.410

Cryst. (2-propanol). Mp 202°.

▷UY4550400.

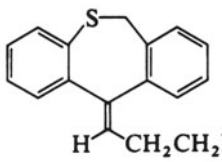
Ger. Pat., 1 912 581, (*1969*); *CA*, **72**, 3357u (*synth, pharmacol*)

Clemence, F. *et al*, *Eur. J. Med. Chem.*, 1972, **7**, 14 (*synth, pharmacol*)

Dothiepin, BAN D-00588

3-Dibenzo[b,e]thiepin-11(6H)-ylidene-N,N-dimethyl-1-propanamine, 9CI. 6,11-Dihydro-11-(3-dimethylaminopropylidene)dibenzo[b,e]thiepin. Dosulepin

[113-53-1]



(*E*)-*form*

$C_{19}H_{21}NS$ M 295.442

Cryst. (EtOH/Et_2O). Mp 226-227°.

▷UI1555000.

(*E*)-*form* [25627-37-6]

Antidepressant. Cryst. (pet. ether). Mp 53-54°. $Bp_{0.05}$ 171-172°.

B,HCl: Dothiepin hydrochloride, USAN. Altapin. Depresym. Idom. Prothiaden. Protiadene. Xerenal. IZ 914. KS 1596.

5,5-Dioxide; B,HCl:

$C_{19}H_{21}NO_2S$ M 327.440

Cryst. (EtOH). Mp 282-284°.

(*Z*)-*form* [25627-38-7]

Cryst. (cyclohexane). Mp 91-93°.

B,HCl: Cryst. (EtOH/Et_2O). Mp 214-216°.

5,5-Dioxide; B,HCl: (EtOH/Et_2O). Mp 249-252°.

Gadient, F. *et al*, *Helv. Chim. Acta*, 1962, **45**, 1860 (*synth*)

Metysova, J. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 1039; 1964, **14**, 100 (*pharmacol*)

Benesova, O. *et al*, *Arzneim.-Forsch.*, 1964, **5**, 100 (*pharmacol*)

Gabel, N.W., *J. Org. Chem.*, 1964, **29**, 3129 (*synth*)

Rajsner, M. *et al*, *Collect. Czech. Chem. Commun.*, 1969, **34**, 1963 (*synth, bibl*)

Hoes, M.J., *Pharm. Weekbl.*, 1986, **121**, 471 (*rev, pharmacol, tox*)

Wyatt, D.K. *et al*, *Appl. Spectrosc.*, 1986, **40**, 369 (*cmr*)

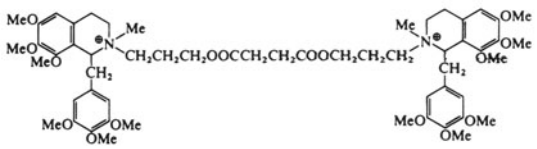
Yu, D.K. *et al*, *J. Pharm. Sci.*, 1986, **75**, 582 (*pharmacol*)

Polivka, Z. *et al*, *Collect. Czech. Chem. Commun.*, 1987, **52**, 1566.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2512.

Doxacurium(2+) D-00589

2,2'-[(1,4-Dioxo-1,4-butanediyl)bis(oxy-3,1-propanediyl)]bis-1,2,3,4-tetrahydro-6,7,8-trimethoxy-2-methyl-1-[(3,4,5-trimethoxyphenyl)methyl]-isoquinolinium, 9CI



$C_{56}H_{78}N_2O_{16}^{\oplus\oplus}$ M 1035.236 (ion)

Skeletal muscle relaxant.

Dichloride: [83348-52-1]. *Doxacurium chloride, BAN, INN. BW A 938U.*

$C_{56}H_{78}Cl_2N_2O_{16}$ M 1106.142

Commercial prod. is a mixt. of enantiomers.

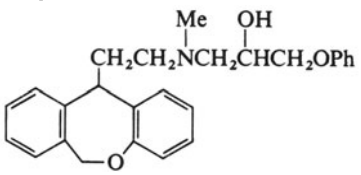
Eur. Pat., 54 309, (*1982*); *CA*, **97**, 163306 (*synth*)

Savarese, J.J. *et al*, *Semin. Anesth.*, 1986, **5**, 304 (*rev*)

Doxaminol, INN D-00590

1-[2-(6,11-Dihydrodibenz[b,e]oxepin-11-yl)-methylamino]-3-phenoxy-2-propanol, 9CI. 6,11-Dihydro-N-(2-hydroxy-3-phenoxypropyl)-N-methyldibenz[b,e]oxepin-11-ethylamine. BM 10188

[55286-56-1]



$C_{26}H_{29}NO_3$ M 403.520

Vasodilator, β-sympathomimetic agent.

Fumarate (2:1): [55286-57-2]. Cryst. (2-propanol). Mp 131-132°..

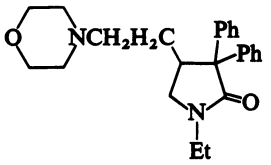
Ger. Pat., 2 335 943, (*1975*); *CA*, **82**, 156136c (*synth, pharmacol*)

Whiting, B. *et al*, *Br. J. Clin. Pharmacol.*, 1982, **13**, 529 (*pharmacol*)

Doxapram, BAN, INN **D-00591**

1-Ethyl-4-[2-(4-morpholinyl)ethyl]-3,3-diphenyl-2-pyrrolidinone, 9CI

[309-29-5]



$C_{24}H_{30}N_2O_2$ M 378.513

▷UY5769500.

(±)-*form*

Respiratory stimulant.

B,HCl: [7081-53-0]. *Doxapram hydrochloride,* USAN, JAN. *Dopram. Doxapril. Stimulaxin. AHR 619.* Cryst. + $1H_2O$ (isopropyl ether). Mp 217-219°. Bitter tasting.

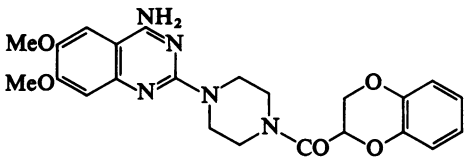
▷UY5770000.

Cale, A.D. *et al, J. Med. Chem.*, 1967, **10**, 214 (*synth, pharmacol*)
Salim, E.F. *et al, J. Pharm. Sci.*, 1967, **56**, 748 (*props*)
Soma, L.R. *et al, Am. J. Vet. Res.*, 1967, **28**, 191 (*pharmacol*)
Siek, T.J., *J. Forensic Chem.*, 1974, **19**, 193 (*uv*)
Franz, D.N. *et al, Pharmacol. Basis Ther. 5th Ed.*, 1975, 359 (*rev*)
Clements, J.A. *et al, Eur. J. Clin. Pharmacol.*, 1979, **16**, 411 (*metab*)
Robson, R.H. *et al, Br. J. Clin. Pharmacol.*, 1979, **7**, 81 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1421.

Doxazosin, INN, BAN **D-00592**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[(2,3-dihydro-1,4-benzodioxin-2-yl)carbonyl]piperazine, 9CI. *UK 33274*

[74191-85-8]



$C_{23}H_{25}N_5O_5$ M 451.481

Opt. isomers also known.

(±)-*form*

Antihypertensive agent.

B,HCl: [70918-01-3]. Mp 289-290°.

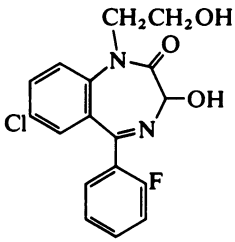
B,MeSO$_3$H: [77883-43-3]. *Doxazosin mesylate,* USAN. *UK-33,274-27.*

Ger. Pat., 2 847 623, (*1979*); *CA*, **91**, 74649u (*synth*)
Ali, F.K. *et al, Br. J. Pharmacol.*, 1980, **68**, 113P (*pharmacol*)
Rubin, P.C. *et al, J. Chromatogr.*, 1980, **221**, 193 (*hplc*)
Elliott, H.L. *et al, Br. J. Clin. Pharmacol.*, 1982, **13**, 699 (*pharmacol*)
Young, R.A. *et al, Drugs*, 1988, **35**, 525 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16611.

Doxefazepam, INN **D-00593**

7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-3-hydroxy-1-(2-hydroxyethyl)-2H-1,4-benzodiazepin-2-one, 9CI. *Doxans. SAS 693*

[40762-15-0]



$C_{17}H_{14}ClFN_2O_3$ M 348.761

Hypnotic. Cryst. (CH_2Cl_2/pet. ether). Mp 138-140°.

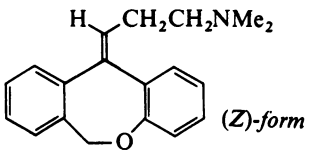
▷DF2370200.

Tamagnone, G.F. *et al, J. Pharm. Pharmacol.*, 1974, **26**, 566 (*synth, pharmacol*)
Tamagnone, G.F. *et al, Arzneim.-Forsch.*, 1975, **25**, 720 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16612.

Doxepin, BAN, INN **D-00594**

3-Dibenz[b,e]oxepin-11(6H)-ylidene-N,N-dimethyl-1-propanamine, 9CI. *11-(3-Dimethylaminopropylidene)-6H-dibenz[b,e]oxepin*

[1668-19-5]



(*Z*)-*form*

$C_{19}H_{21}NO$ M 279.381

The pharmaceutical prod. is a mixt. of (*E*)- and (*Z*)-isomers (approx. ratio 5:1 in the case of the commercial hydrochloride). Antidepressant. Oil. $Bp_{0.03}$ 154-157°.

▷HQ4300000.

B,HCl: [1229-29-4]. *Doxepin hydrochloride,* USAN. *Curatin. NSC 108160. Other proprietary names.* Mp 188-189° (184-186°).

▷HQ4375000.

(*Z*)-*form* [3607-18-9]

Cidoxepin, INN

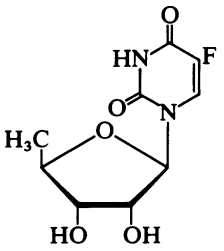
B,HCl: [25127-31-5]. *Cidoxepin hydrochloride,* USAN. *P 4599.* Cryst. ($CHCl_3$/CCl_4). Mp 211.5-212°.

Stach, K. *et al, Monatsh. Chem.*, 1962, **93**, 896 (*synth*)
U.S.P., 3 354 155, (*1967*); *CA*, **69**, 10540q (*synth*)
Ger. Pat., 2 153 138, (*1972*); *CA*, **77**, 88354 (*Cidoxepin*)
Poirot-Lagubeau, J. *et al, Ann. Pharm. Fr.*, 1975, **33**, 279 (*pmr*)
Pinder, R.M. *et al, Drugs*, 1977, **13**, 161 (*rev*)
Miodownik, A. *et al, Synth. Commun.*, 1981, **11**, 241 (*synth*)
Wyatt, D.K. *et al, Appl. Spectrosc.*, 1986, **40**, 538 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5232 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2513.

Doxifluridine, INN D-00595

5'-Deoxy-5-fluorouridine, 9CI. Furtulon. Ro 21-9738. 5-DFUR

[3094-09-5]



$C_9H_{11}FN_2O_5$ M 246.195

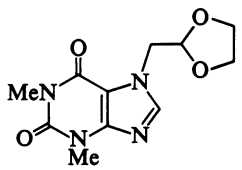
Antineoplastic agent. Needles. Mp 192-193°. $[\alpha]_{365}^{25}$ +163.2° (c, 1 in H_2O).

Cook, A.F. *et al, J. Med. Chem.*, 1979, **22**, 1330 (*synth, pharmacol*)
Bollag, W. *et al, Eur. J. Cancer*, 1980, **16**, 427 (*pharmacol*)
Schwarz, B. *et al, Collect. Czech. Chem. Commun.*, 1980, **45**, 3217 (*synth*)
Scott, J.W. *et al, J. Carbohydr., Nucleosides, Nucleotides*, 1981, **8**, 171 (*synth*)
Kiss, J. *et al, Helv. Chim. Acta*, 1982, **65**, 1522 (*synth*)
Kono, A. *et al, Chem. Pharm. Bull.*, 1983, **31**, 1666 (*hplc*)
Sommadossi, J.P. *et al, Cancer Res.*, 1983, **43**, 930 (*metab*)
Sommadossi, J.P. *et al, Int. Congr. Ser.-Excerpta Med.*, 1984, **647**, 108 (*pharmacol, metab*)
Au, J.L.S. *et al, J. Pharm. Sci.*, 1987, **76**, 699 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19107.

Doxofylline, INN D-00596

7-(1,3-Dioxolan-2-ylmethyl)-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-(1,3-Dioxolan-2-ylmethyl)-theophylline. 2-(7'-Theophyllinemethyl)-1,3-dioxolane. ABC 12/3

[69975-86-6]



$C_{11}H_{14}N_4O_4$ M 266.256

Antitussive agent used for treatment of bronchospasm. Mp 144-145°.

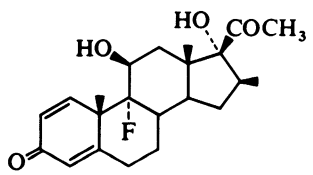
▷XH5135000.

B.P., 1 582 510, (*1978*); *CA*, **90**, 197858y (*pharmacol*)
Franzone, J.S. *et al, Farmaco, Ed. Sci.*, 1981, **36**, 220 (*metab*)
Badini, C. *et al, Farmaco, Ed. Sci.*, 1982, **37**, 320 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1737.

Doxybetasol, BAN D-00597

*9-Fluoro-11β,17-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione, 9CI, 8CI. **Doxibetasol, INN***

[1879-77-2]



$C_{22}H_{29}FO_4$ M 376.467

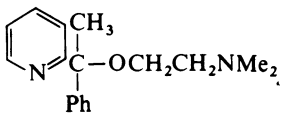
Corticosteroid. Antiinflammatory, antiallergic agent. Cryst. ($CHCl_3$). Mp 230-234°. $[\alpha]_D$ +100° (c, 1.0 in dioxan). Forms $CHCl_3$ solvate.

B.P., 913 943, (*1962*); *CA*, **61**, 14756 (*synth*)
B.P., 1 328 998, (*1973*); *CA*, **30**, 3715 (*synth*)

Doxylamine, BAN, INN D-00598

N,N-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]-ethanamine, 9CI. 2-[α-[2-(Dimethylamino)ethoxy]-α-methylbenzyl]pyridine, 8CI

[469-21-6]



$C_{17}H_{22}N_2O$ M 270.374

▷US9250000.

(±)-*form*

Antihistamine. $Bp_{0.5}$ 137-141°.

Succinate (1:1): [562-10-7]. *Doxylamine succinate, USAN. Histadonylamine succinate. Decapryn succinate. Mereprine. Other proprietary names.* Mp 100-104°. Component of Debendox.

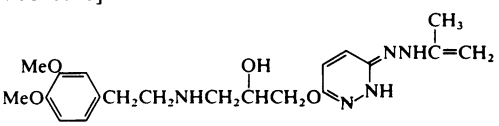
▷US9275000.

Brown, B.A. *et al, J. Lab. Clin. Med.*, 1948, **33**, 319, 325 (*pharmacol*)
Sperber, N. *et al, J. Am. Chem. Soc.*, 1949, **71**, 887 (*synth*)
Cany, J. *et al, Therapie*, 1960, **15**, 159 (*pharmacol*)
Sjoqvist, F. *et al, Clin. Pharmacol. Ther.*, 1967, **8**, 48 (*pharmacol*)
Ger. Pat., 2 906 239, (*1980*); *CA*, **94**, 47149 (*resoln*)
Rao, P.N. *et al, J. Labelled Compd. Radiopharm.*, 1986, **23**, 527 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4483 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6133.

Dramedilol, INN D-00599

6-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]-3(2H)-pyridazinone (1-methylethylidene)hydrazone, 9CI

[76953-65-6]



$C_{20}H_{29}N_5O_4$ M 403.480

(±)-*form*

Antihypertensive, vasodilator.

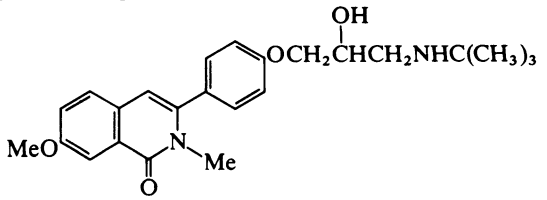
B,HCl: Mp 210-215° dec.

Eur. Pat., 18 016, (*1980*); *CA*, **94**, 121580p (*synth, pharmacol*)

Draquinolol, INN D-00600

3-[4-[3-[(1,1-Dimethylethyl]amino]-2-hydroxypropoxy]phenyl]-7-methoxy-2-methyl-1(2H)-isoquinolinone, 9CI. HI 42

[67793-71-9]



$C_{24}H_{30}N_2O_4$ M 410.512

(±)-*form*

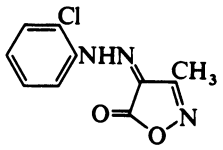
Cardioselective β-adrenoceptor blocking agent. Cryst. (Me_2CO/Et_2O). Mp 130-131°.

Ger. Pat., 2 702 600, (*1978*); *CA*, **89**, 146785 (*synth*)
Jackisch, R. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 237 (*pharmacol*)
Pringle, T.H. *et al*, *Br. J. Clin. Pharmacol.*, 1987, **23**, 411 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2852.

Drazoxolon, BSI **D-00601**

3-Methyl-4,5-isoxazoledione 4-[(2-chlorophenyl)-hydrazone], *9CI. 4-(2-Chlorophenylhydrazono)-3-methyl-5-isoxazolone. Mil-Col. SAIsan. Ganocide*

[5707-69-7]



$C_{10}H_8ClN_3O_2$ M 237.645

Fungicide, esp. useful against powdery mildew. Yellow cryst. Mp 167°.

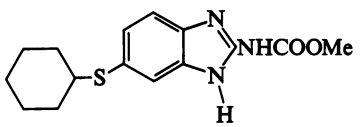
▷NY2800000.

B.P., 999 097, (*1960*); *CA*, **59**, 6413c
Pesticide Manual, 6th Ed., 228.

Dribendazole, INN, USAN **D-00602**

Methyl[5-(cyclohexylthio)-1H-benzimidazol-2-yl]-carbamate, *9CI. SKF 63797*

[63667-16-3]



$C_{15}H_{19}N_3O_2S$ M 305.394

Anthelmintic agent. Mp 244-230° dec.

U.S.P., 4 025 638, (*1977*); *CA*, **87**, 85006a (*pharmacol*)
Fr. Pat., 2 387 966, (*1978*); *CA*, **91**, 140849 (*synth, pharmacol*)

Drobuline, USAN, INN **D-00603**

1-(Isopropylamino)-4,4-diphenyl-2-butanol. α-[[(1-Methylethyl)amino]methyl]-γ-phenylbenzenepropanol, *9CI. Lilly 122587*

$Ph_2CHCH_2CH(OH)CH_2NHCH(CH_3)_2$

$C_{19}H_{25}NO$ M 283.413

(±)-*form* [58473-73-7]

Cardiac depressant (antiarrhythmic agent).

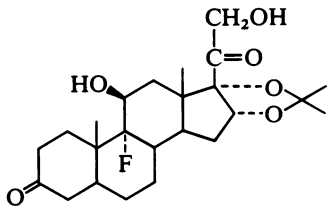
B,HCl: [68162-52-7]. Mp 189-191°.

Murphy, P.J. *et al*, *Life Sci.*, 1978, **23**, 301 (*synth, metab*)

Drocinonide, USAN, INN **D-00604**

9-Fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregnane-3,20-dione, *9CI. 9-Fluoro-11,21-dihydroxy-16,17-isopropylidenedioxy-5-pregnane-3,20-dione*

[36637-22-6]



$C_{24}H_{35}FO_6$ M 438.535

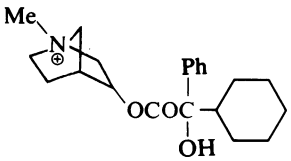
Antiinflammatory agent. Cryst. (Me_2CO/hexane). Mp 211-213°, Mp 240-243°. $[\alpha]_D^{23}$ +77° ($CHCl_3$).

21-(Phosphonooxy), di-K salt: [2260-24-4]. *Drocinonide phosphate. Alcomcinol. Amcinol. SQ 17409.*

U.S.P., 3 053 836, (*1962*); *CA*, **58**, 12643c (*synth*)
Hydorn, A.E. *et al*, *Steroids*, 1965, **6**, 247 (*synth, pharmacol*)
Ruhmann, A.G. *et al*, *J. Invest. Dermatol.*, 1967, **49**, 123 (*activity*)

Droclidinium(1+) **D-00605**

3-Hydroxy-1-methylquinuclidinium α-phenylcyclohexaneglycolate, *8CI*



$C_{22}H_{32}NO_3^{\oplus}$ M 358.500 (ion)

Anticholinergic, spasmolytic agent.

Bromide: [29125-56-2]. *Droclidinium bromide*, *INN. LM 204.*

$C_{22}H_{32}BrNO_3$ M 438.404

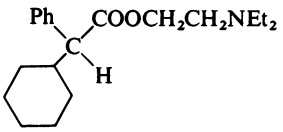
Mp 160°.

Ger. Pat., 1 935 751, (*1970*); *CA*, **73**, 120520y (*synth, pharmacol*)

Drofenine, INN **D-00606**

2-(Diethylamino)ethyl α-cyclohexylbenzeneacetate, *9CI. 2-(Diethylamino)ethyl α-phenylcyclohexaneacetate*, *8CI. Cycloadiphenine. Cyclovegantine. Hexahydroadiphenine. Trasentin. Anfosentin*

[1679-76-1]



$C_{20}H_{31}NO_2$ M 317.470

▷GU6780000.

(±)-*form*

Spasmolytic agent.

B,HCl: [548-66-3]. Mp 140-142°.

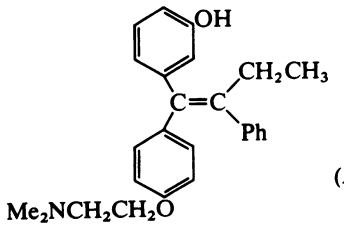
▷GU6825000.

Graham, J.D.P. *et al*, *J. Pharmacol.*, 1940, **69**, 331 (*pharmacol*)
U.S.P., 2 265 184; 2 265 185, (*1941*); *CA*, **36**, 1737 (*synth*)
Fleisch, A. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 1119 (*synth, pharmacol*)
Paterson, J.G. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **185**, 370 (*pharmacol*)

Barlow, R.B. *et al*, *J. Med. Chem.*, 1973, **16**, 439 (*synth, pharmacol, isom*)

Droloxifene, INN **D-00607**

3-[1-[4-[(2-Dimethylamino)ethoxy]phenyl]-2-phenyl]-1-butenyl]phenol, 9CI. *1-[4-[2-(Dimethylamino)-ethoxy]phenyl]-1-(3-hydroxyphenyl)-2-phenyl-1-butene*



(*E*)-*form*

$C_{26}H_{29}NO_2$ M 387.521

(*E*)-*form* [82413-20-5]

K 21060 E

Antioestrogen. Mp 166-167.5° (C_6H_6).

(*Z*)-*form* [83647-29-4]

Mp 153.5-155° (C_6H_6/hexane).

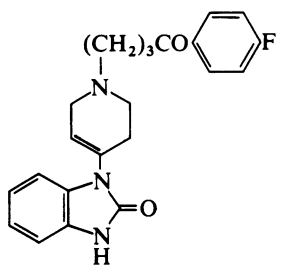
Ruenitz, P.C. *et al*, *J. Med. Chem.*, 1982, **25**, 1056; 1985, **28**, 1491, 1497 (*synth, pharmacol, cryst struct*)

Loeser, R. *et al*, *Contrib. Oncol.*, 1986, **23**, 64 (*pharmacol*)

Droperidol, BAN, USAN, INN, JAN **D-00608**

*1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-1,2,3,6-tetrahydro-4-pyridinyl]-1,3-dihydro-2*H*-benzimidazol-2-one,* 9CI. *1-[1-3-*(p-*Fluorobenzoyl)propyl-1,2,3,6-tetrahydro-4-pyridiyl]benzimidazolinone,* 8CI. *Droleptan. Inapsine. Dehydrobenzperidol. Other proprietary names*

[548-73-2]



$C_{22}H_{22}FN_3O_2$ M 379.433

Tranquilliser. Cryst. + H_2O. Mp 145-146.5°. Component of Thalamonal.

▷DE2100000.

Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 205 (*pharmacol*)

U.S.P., 3 141 823, (*1964*); *CA*, **60**, 10690 (*synth*)

Canellas, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **161**, 94 (*pharmacol*)

Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)

Cressman, W.A. *et al*, *Anesthesiology*, 1973, **38**, 363 (*metab*)

Hunter, A.R., *Int. Anesthesiol. Clin.*, 1973, **11**, 1 (*rev, pharmacol*)

Janicki, C.A. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 171 (*rev*)

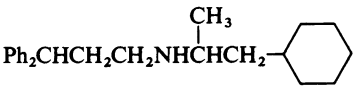
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6463 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7038.

Droprenilamine, USAN, INN **D-00609**

N-*(2-Cyclohexyl-1-methylethyl)-γ-phenylbenzenepropanamine,* 9CI. N-*(3,3-Diphenylpropyl)-α-methylcyclohexaneethylamine. Valcor. M.G. 8926*

[57653-27-7]



$C_{24}H_{33}N$ M 335.531

(±)-*form*

Vasodilator.

B,HCl: [59182-63-7]. Cryst. (2-propanol). Mp 175-176°.

▷UI0672500.

Maleate: [59182-62-6].

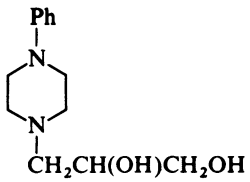
Carenini, G. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 2127 (*synth, pharmacol*)

Marshall, R.J. *et al*, *Br. J. Pharmacol.*, 1977, **59**, 311 (*pharmacol*)

Dropropizine, BAN, INN **D-00610**

3-(4-Phenyl-1-piperazinyl)-1,2-propanediol, 9CI, 8CI. *Catabex. Ditustat. Kalmobex. Tussilex. Other proprietary names*

[17692-31-8]



$C_{13}H_{20}N_2O_2$ M 236.313

(−)-*form* [99291-24-4]

Levdropropizine, INN. *Levotuss*

Shows less sedative activity than (±)-form.

(±)-*form*

Antitussive. Mp 108°.

Howell, H. *et al*, *J. Org. Chem.*, 1962, **27**, 1709 (*synth*)

Bourdais, J., *Bull. Soc. Chim. Fr.*, 1968, 3246 (*synth*)

Noel, P.R.B., *Arzneim.-Forsch.*, 1969, **19**, 1246 (*pharmacol*)

Cartwright, K. *et al*, *J. Pharm. Pharmacol.*, 1971, **23**, (*Suppl.*), 247 (*pharmacol*)

Eur. Pat., 147 847, (*1983*); *CA*, **103**, 215734 (*synth*)

Ji, Y. *et al*, *CA*, 1985, **103**, 104925 (*synth*)

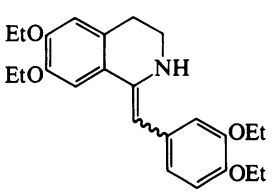
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2906 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12680.

Drotaverine, INN **D-00611**

1-[(3,4-Diethoxyphenyl)methylene]-6,7-diethoxy-1,2,3,4-tetrahydroisoquinoline, 9CI. *1-(3,4-Diethoxybenzylidene)-6,7-diethoxy-1,2,3,4-tetrahydroisoquinoline,* 8CI. *Dihydroethaverine. Isodihydroperparinium. Deprolen. Nospan. Nospasin. Proconfial. Tetraspasmin-Lefa*

[14009-24-6]



$C_{24}H_{31}NO_4$ M 397.513

Spasmolytic agent.

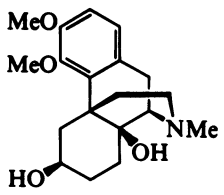
B,HCl: [985-12-6]. Mp 210-212°.

Belg. Pat., 621 917, (*1963*); *CA*, **59**, 8713h (*synth, pharmacol, tox*)
David, A. *et al*, *Pharm. Zentralhalle*, 1964, **103**, 639 (*props, uv, ir*)
Gyarmati, L. *et al*, *Pharmazie*, 1975, **30**, 174 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12682.

Drotebanol, BAN, INN D-00612

3,4-Dimethoxy-17-methylmorphinan-6β,14-diol, 9CI, 8CI. Oxymethebanol. Metebanyl. Methebanyl. RAM 327

[3176-03-2]



$C_{19}H_{27}NO_4$ M 333.427

Narcotic analgesic, antitussive. Sol. Me_2CO, C_6H_6, sl. sol. H_2O, Et_2O. Mp 165.5-166.5°.

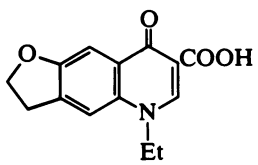
▷QC8900000.

Kobayashi, S. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 43 (*pharmacol*)
Seki, I. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 1 (*synth, pharmacol*)
Knoll, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1974, **210**, 241 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5617.

Droxacin, INN D-00613

5-Ethyl-2,3,5,8-tetrahydro-8-oxofuro[2,3-g]quinoline-7-carboxylic acid

[35067-47-1]



$C_{14}H_{13}NO_4$ M 259.261

Antibacterial agent. Leaflets (AcOH). Mp 305-308°.

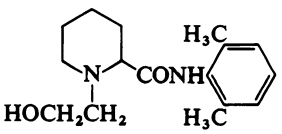
Na salt: [57363-13-0]. *Droxacin sodium, USAN. SH 263.*

Albrecht, R., *Justus Liebigs Ann. Chem.*, 1972, **762**, 55 (*synth*)
Albrecht, R. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 231 (*pharmacol*)

Droxicainide, INN D-00614

N-*(2,6-Dimethylphenyl)-1-(2-hydroxyethyl)-2-piperidinecarboxamide, 9CI. 1-(2-Hydroxyethyl)-2',6'-pipecoloxylidide*

[78421-12-2]



$C_{16}H_{24}N_2O_2$ M 276.378

(±)-*form* [78289-26-6]

Local anaesthetic, antiarrhythmic agent.

▷TK6020200.

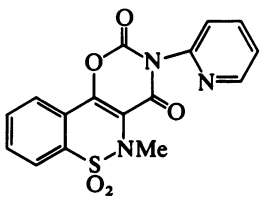
B,HCl: [78289-16-4]. Mp 247-248°.

Eur. Pat., 24 382, (*1981*); *CA*, **85**, 62003y (*synth, pharmacol*)
Aberg, G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 706 (*tox, pharmacol*)

Droxicam, INN D-00615

5-Methyl-3-(2-pyridinyl)-2H,5H-1,3-oxazino[5,6-c][1,2]benzothiazine-2,4(3H)-dione 6,6-dioxide. Clotiam

[90101-16-9]



$C_{16}H_{11}N_3O_5S$ M 357.340

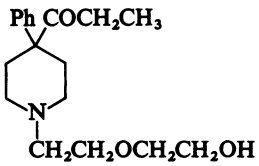
Antiinflammatory agent. Cryst. (Me_2CO). Mp 263-265°.

Ger. Pat., 3 521 722, (*1985*); *CA*, **104**, 186434p (*synth*)
Esteve, J. *et al*, *Gen. Pharmacol.*, 1988, **19**, 49 (*rev, pharmacol*)

Droxypropine, BAN, INN D-00616

1-[1-[2-(2-Hydroxyethoxy)ethyl]-4-phenyl-4-piperidyl]-1-propanone, 9CI

[15599-26-5]



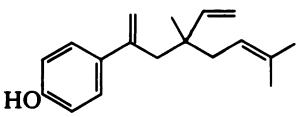
$C_{18}H_{27}NO_3$ M 305.416

Antitussive. $Bp_{0.8}$ 190°.

B.P., 841 120, (*1960*); *CA*, **55**, 3620h (*synth, pharmacol*)

Drupanol D-00617

4-(3-Ethenyl-3,6-dimethyl-1-methylene-5-heptenyl)-phenol, 9CI



$C_{18}H_{24}O$ M 256.387

(+)-*form* [42041-17-8]

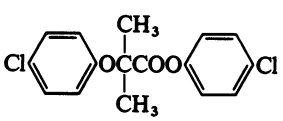
Isol. from seeds of *Psoralea drupaceae*. Anabolic, androgen. Bp_{10} 189-190°. $[\alpha]_D^{20}$ +27° (c, 1.0 in MeOH). n_D^{20} 1.5480.

Golovina, L.A. *et al*, *Khim. Prir. Soedin.*, 1973, **9**, 9 (*isol, struct*)
Syrov, V.N. *et al*, *CA*, 1976, **85**, 103954 (*pharmacol*)

Dulofibrate, INN D-00618

4-Chlorophenyl 2-(4-chlorophenoxy)-2-methylpropionate, 9CI. Diclonor

[61887-16-9]



$C_{16}H_{14}Cl_2O_3$ M 325.191

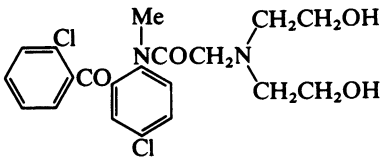
Hypolipidaemic agent.

Spanish Pat., 427 012, (*1976*); *CA*, **86**, 72228d (*synth*)
Ger. Pat., 2 808 203, (*1978*); *CA*, **89**, 191302v (*pharmacol*)
Houin, G. *et al*, *Br. J. Clin. Pharmacol.*, 1984, **17**, 341 (*pharmacol*)

Dulozafone, INN **D-00619**

2-[Bis(2-hydroxyethyl)amino]-N-[4-chloro-2-(2-chlorobenzoyl)phenyl]-N-methylacetamide, *9CI.* N,N-*Bis(hydroxy-2-ethyl)-N'-methyl-o-chlorobenzoyl-2'-chloro-4'-glycylanilide*

[75616-02-3]



$C_{20}H_{22}Cl_2N_2O_4$ M 425.311

Anxiolytic agent.

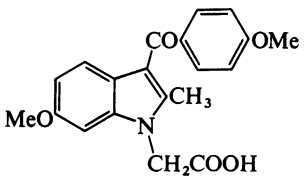
B,HCl: Cryst. Mp 187-188°.

Eur. Pat., 10 030, (*1980*); *CA*, **93**, 221059 (*synth, pharmacol*)

Duometacin, INN **D-00620**

6-Methoxy-3-(4-methoxybenzoyl)-2-methyl-1H-indole-1-acetic acid, *9CI. 3-*p*-Anisoyl-6-methoxy-2-methyl-1-indoleacetic acid*, *8CI. R 4444*

[25771-23-7]



$C_{20}H_{19}NO_5$ M 353.374

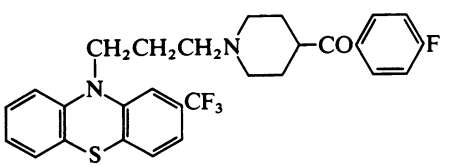
Analgesic, antiinflammatory agent. Mp 248°.

Ger. Pat., 1 901 167, (*1969*); *CA*, **72**, 43440x (*synth, pharmacol*)
Allais, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 187 (*synth, pharmacol*)

Duoperone, INN **D-00621**

4-Fluorophenyl[1-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-4-piperidinyl]methanone, *9CI*

[62030-88-0]



$C_{28}H_{26}F_4N_2OS$ M 514.580

Neuroleptic agent.

Fumarate: [62030-89-1]. *Duoperone fumarate*, *USAN. AHR 6646.* Cryst. (2-propanol/isopropyl ether). Mp 158.5-161°.

Ger. Pat., 2 628 570, (*1976*); *CA*, **86**, 106626z (*synth*)
Boswell, R.F. *et al*, *J. Med. Chem.*, 1978, **21**, 136 (*synth, pharmacol*)
Johnson, D.N. *et al*, *Prog. Neuro-Psychopharmacol.*, 1979, **3**, 513 (*props*)

Dupracetam, INN **D-00622**

2-Oxo-1-pyrrolidineacetic acid 2-[(2-oxo-1-pyrrolidinyl)acetyl]hydrazide, *9CI. 1,2-Bis[(2-oxo-1-pyrrolidinyl)acetyl]hydrazine*

[59776-90-8]



$C_{12}H_{18}N_4O_4$ M 282.299

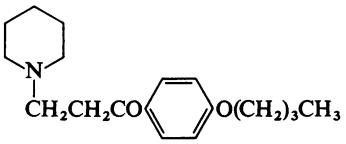
Central stimulant, nootropic (cognition enhancer). Mp 171°.

Ger. Pat., 2 440 633, (*1976*); *CA*, **85**, 46373g (*synth, pharmacol*)
Dell, H.D. *et al*, *Fresnius' Z. Anal. Chem.*, 1980, **304**, 407 (*tlc*)
Dell, H.D. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1981, **314**, 697 (*metab, nmr, ms, ir*)

Dyclonine, INN **D-00623**

1-(4-Butoxyphenyl)-3-(1-piperidinyl)-1-propanone, *9CI. 4'-Butoxy-3-piperidinopropiophenone*, *8CI.* **Dyclocaine, *BAN***

[586-60-7]



$C_{18}H_{27}NO_2$ M 289.417

Topical anaesthetic, antiarrhythmic agent.

B,HCl: [536-43-6]. *Dyclonine hydrochloride*, *USAN. Dyclone. Diclonina. Resolve. Tanaclone.* Mp 175-176°.

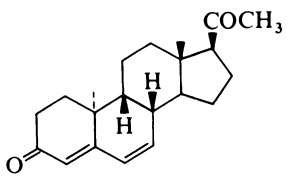
▷UG8750000.

Sunshine, I. *et al*, *J. Forensic Sci.*, 1966, **11**, 428 (*tlc*)
Burghardt, H., *Deut. Apoth.-Ztg.*, 1968, **108**, 1547 (*polarog*)
Chawla, H.P.S. *et al*, *J. Med. Chem.*, 1970, **13**, 480 (*synth, pharmacol*)
Tayal, G. *et al*, *Jpn. J. Pharmacol.*, 1976, **26**, 111 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7625.

Dydrogesterone, BAN, USAN, INN **D-00624**

9β,10α-Pregna-4,6-diene-3,20-dione. 6-Dehydro-9β,10α-progesterone. Dufaston. Duphaston. Duvaron. Gestatron. Gynorest. Isopregnenone. Prodel. Retrone 'Merrill'. Terolut. NSC 92336

[152-62-5]



$C_{21}H_{28}O_2$ M 312.451

Progestational steroid, used esp. for treatment of dysmenorrhoea. Cryst. (Me_2CO/hexane). Mp 169-170°. $[\alpha]_D^{25}$ −484.5° ($CHCl_3$).

▷TU3671000.

Westerhof, P. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1960, **79**, 771 (*synth*)
Rappoldt, M.P. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1961, **80**, 43 (*synth*)
De Bree, H. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1980, **5**, 173; 1983, **8**, 63, 69 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9040.

Dynorphin, 9CI D-00625

Slow reversing endorphin

[74913-18-1]

H-[1]Tyr-Gly-Gly-Phe-Leu-Arg-Arg-Ile-Arg-Pro-Lys-Leu-Lys-Trp-Asp-Asn-[17]GlnOH

$C_{99}H_{155}N_{31}O_{23}$ M 2147.507

An opioid peptide found in brain and other tissues which although it contains the pentapeptide sequence of [Leu[5]]-enkephalin at its *N*-terminus has been found to be more potent and to interact with distinct receptors.

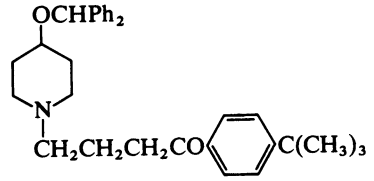
Goldstein, A. *et al*, *Proc. Natl. Acad. Sci., USA*, 1979, **76**, 6666 (*isol, props*)
Goldstein, A. *et al*, *Proc. Natl. Acad. Sci., USA*, 1981, **78**, 7219 (*struct*)
Wakimasu, M. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 2592 (*synth*)
Chavkin, C. *et al*, *Science*, 1982, **215**, 413 (*props*)
Goldstein, A., *Peptides* (*N.Y.*), 1984, **6**, 95 (*rev*)

E

Ebastine, INN, USAN **E-00001**

1-[4-(1,1-Dimethylethyl)phenyl]-4-[4-(diphenylmethoxy)-1-piperidinyl]-1-butanone, 9CI. W 090

[90729-43-4]



$C_{32}H_{39}NO_2$ M 469.666

Antihistamine, antiallergic agent. Calcium entry blocker.

Fumarate: Cryst. (EtOH). Mp 197-198°.

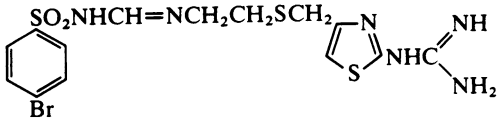
Maleate (1:1): [97928-20-6].

Eur. Pat., 134 124, (*1985*); *CA*, **103**, 104852 (*synth, pharmacol*)

Ebrotidine, INN **E-00002**

N-[[[2-[[[2-[(*Aminoiminomethyl*)*amino*]-*4-thiazolyl*]-*methyl*]*thio*]*ethyl*]*amino*]*methylene*]-*4-bromobenzenesulfonamide, 9CI*

[100981-43-9]



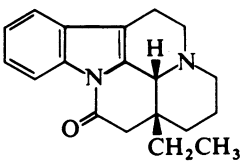
$C_{14}H_{17}BrN_6O_2S_3$ M 477.411

Gastric secretion inhibitor. Mp 107-110°.

Eur. Pat., 159 012, (*1985*); *CA*, **104**, 148861t (*synth*)

Eburnamonine **E-00003**

Eburnamenin-14(15H)-one, 9CI. Huntericine



(+)-*form*
Absolute configuration

$C_{19}H_{22}N_2O$ M 294.396

(+)-***form*** [474-00-0]

Alkaloid from *Hunteria eburnea, Amsonia tabernaemontana* and several other genera in the family Apocynaceae. Mp 183°. $[\alpha]_D^{26}$ +89° ($CHCl_3$).

11,12-Dimethoxy: [19775-49-6].
Dimethoxyeburnamonine.
$C_{21}H_{26}N_2O_3$ M 354.448
Alkaloid from *Vinca minor* (Apocynaceae). Mp 220°.

(−)-***form*** [4880-88-0]

Vincamone. ***Vinburnine, INN.*** *Cervoxan. Eburnal. Eburnoxine. Ebornoxin. Eubron. Luvenil. Monil. Sclera-min. Tensiplex. CH 846*

Alkaloid from *V. minor* (Apocynaceae). Drug for stimulation of muscle activity. Cerebrotonic. Mp 173-174°. $[\alpha]_D$ −102° ($CHCl_3$).

11-Methoxy: [4800-93-5]. ***11-Methoxyeburnamonine***.
$C_{20}H_{24}N_2O_2$ M 324.422

Alkaloid from *V. minor* (Apocynaceae). Needles (Me_2CO). Mp 169-170°. $[\alpha]_D^{22}$ −107° (c, 0.15 in $CHCl_3$).

(±)-***form*** [2580-88-3]

Vincanorine

Alkaloid from *V. minor* (Apocynaceae). Cryst. (MeOH). Mp 203-204°.

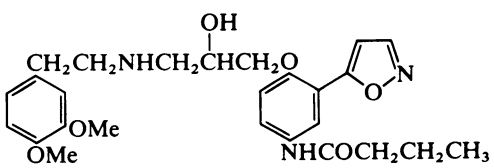
B,HClO₄: Cryst. (dioxan). Mp 243-245°.

Mokrý, J. *et al, Experientia*, 1961, **17**, 354 (*uv, ir*)
Plat, M. *et al, Bull. Soc. Chim. Fr.*, 1962, 1082 (*ms*)
Bartlett, M.F. *et al, J. Org. Chem.*, 1963, **28**, 2197 (*cd, uv, ir*)
Trojánek, J. *et al, Collect. Czech. Chem. Commun.*, 1964, **29**, 433 (*uv, ir, synth*)
Trojánek, J. *et al, Chem. Ind. (London)*, 1965, 1261
Döpke, W. *et al, Pharmazie*, 1968, **23**, 99 (*Dimethoxyburnamonine*)
Döpke, W. *et al, Tetrahedron Lett.*, 1968, 1805 (*11-Methoxyeburnamonine*)
Chiesi, V.A. *et al, Cryst. Struct. Commun.*, 1973, **2**, 599 (*cryst struct*)
Cartier, D. *et al, Bull. Soc. Chim. Fr.*, 1976, 1961 (*synth*)
Hermann, J.L. *et al, Tetrahedron Lett.*, 1976, 801 (*synth*)
De Angelis, L., *Drugs of Today*, 1978, **14**, 160 (*rev*)
Wenkert, E. *et al, Tetrahedron*, 1981, **37**, 4017 (*synth*)
Imanishi, T. *et al, Chem. Pharm. Bull.*, 1983, **31**, 1191 (*synth*)
Szabó, L. *et al, Tetrahedron*, 1983, **29**, 3737 (*synth, ir*)
Kalaus, G. *et al, J. Org. Chem.*, 1985, **50**, 3760 (*synth, ir, pmr, cmr, ms*)
Takano, S. *et al, J. Chem. Soc., Perkin Trans. 1*, 1985, 305 (*synth, ir, pmr, ms*)
Magnus, P. *et al, Tetrahedron*, 1986, **42**, 3215 (*synth*)
Lewin, G. *et al, Tetrahedron*, 1987, **43**, 493 (*synth*)
Node, M. *et al, J. Am. Chem. Soc.*, 1987, **109**, 7901 (*synth*)
Wenkert, G. *et al, J. Org. Chem.*, 1988, **53**, 1953 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14014.

Ecastolol, INN **E-00004**

N-[*4-*[*3-*[[*2-*(*3,4-Dimethoxyphenyl*)*ethyl*]*amino*]-*2-hydroxypropoxy*]-*3-*(*5-isoxazolyl*)*phenyl*]*butanamide, 9CI*

[77695-52-4]



$C_{26}H_{33}N_3O_6$ M 483.563

(±)-***form***

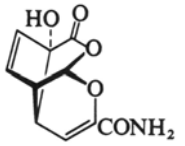
β-Sympatholytic agent. Mp 112°.

Ger. Pat., 2 926 517, (*1981*); *CA*, **94**, 208858j (*synth*)

Echinosporin E-00005

1,4a,5,7a-Tetrahydro-5-hydroxy-8-oxo-1,5-(epoxymethano)cyclopenta[c]pyran-3-carboxamide, 9CI. XK 213. Antibiotic XK 213

[79127-35-8]



$C_{10}H_9NO_5$ M 223.185

Isol. from *Streptomyces echinosporus*. Active against gram-negative and -positive bacteria and tumours. Powder. Mp 260° dec. $[\alpha]_D^{25}$ −400° (c, 0.1 in MeOH).

Japan. Pat., 81 59 777, (*1981*); *CA*, **96**, 4936

Sato, T. *et al*, *J. Antibiot.*, 1982, **35**, 266 (*isol*)

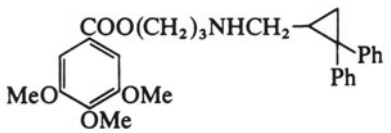
Hirayama, N. *et al*, *Bull. Chem. Soc. Jpn.*, 1983, **56**, 287 (*cryst struct*)

Morimoto, M. *et al*, *J. Antibiot.*, 1985, **38**, 490 (*pharmacol*)

Ecipramidil, INN E-00006

3,4,5-Trimethoxybenzoic acid 3-[[(2,2-diphenylcyclopropyl)methyl]amino]propyl ester, 9CI. 3-[[(2,2-Diphenylcyclopropyl)methyl]amino]propyl 3,4,5-trimethoxybenzoate. Normergyl

[64552-16-5]



$C_{29}H_{33}NO_5$ M 475.583

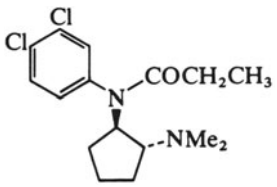
Peripheral and cerebral vasodilator.

B,HCl: [53017-69-9]. Cryst. (EtOH/Et_2O). Mp 172°.

Ger. Pat., 2 359 796, (*1974*); *CA*, **82**, 165725 (*synth, pharmacol*)

Eclanamine, INN E-00007

N-(*3,4-Dichlorophenyl*)-N-[*2-(dimethylamino)-cyclopentyl*]*propanamide, 9CI*



$C_{16}H_{22}Cl_2N_2O$ M 329.269

(1RS,2RS)-form [71027-13-9]

trans(±)-*form*

Antidepressant. Cryst. (MeOH/Et_2O).

Maleate: [71027-14-0]. *Eclanamine maleate, USAN. U-48753E.* Mp 154-155°.

U.S.P., 4 156 015, (*1979*); *CA*, **91**, 74259s (*synth*)

Von Voigtlander, P.F. *et al*, *Drug Dev. Res.*, 1983, **3**, 545 (*pharmacol*)

Sethy, V.H. *et al*, *Res. Commun. Chem. Pathol. Pharmacol.*, 1986, **54**, 35 (*pharmacol*)

Eclazolast, INN, USAN E-00008

5-Chloro-2-benzoxazolecarboxylic acid 2-ethoxyethyl ester, 9CI. CHBZ. REV 2871. RHC 2871

[80263-73-6]



$C_{12}H_{12}ClNO_4$ M 269.684

Antiallergic agent (mediator release inhibitor). Cryst. (EtOAc/hexane). Mp 53-54°.

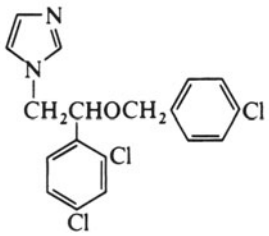
U.S.P., 4 298 742, (*1981*); *CA*, **96**, 68972 (*synth*)

Khandwala, A. *et al*, *Biochem. Pharmacol.*, 1987, **36**, 663, 673 (*pharmacol*)

Econazole, BAN, INN, USAN E-00009

1-[2-[(4-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole, 9CI. 1-[2,4-Dichloro-β-[(p-chlorobenzyl)oxy]phenethyl]imidazole, 8CI. SQ 13050

[27220-47-9]



$C_{18}H_{15}Cl_3N_2O$ M 381.688

▷NI4767000.

(±)-form

Antifungal, antibacterial agent. Mp 86.8°.

B,HNO₃: [24169-02-6]. *Econazole nitrate, USAN, JAN. Ecostatin. Numerous proprietary names.* Spar. sol. H_2O, org. solvs. Mp 162°.

Godefroi, E.F. *et al*, *J. Med. Chem.*, 1969, **12**, 784 (*synth*)

Schoer, G. *et al*, *Chemotherapy (Basel)*, 1976, **22**, 211 (*pharmacol*)

Heel, R.C. *et al*, *Drugs*, 1978, **16**, 177 (*rev, pharmacol*)

Midgley, I. *et al*, *Xenobiotica*, 1981, **11**, 595 (*metab*)

Freer, A.A. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1350 (*cryst struct*)

Mullen, G.B. *et al*, *Helv. Chim. Acta*, 1988, **71**, 718 (*bibl*)

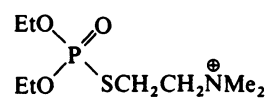
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2578, 2579.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4670 (*synonyms*)

Ecothiopate(1+) E-00010

2-[(Diethoxyphosphinyl)thio]-N,N,N-trimethylethanaminium, 9CI. Diethoxyphosphinylthiocholine. (2-Mercaptoethyl)trimethylammonium ester with diethyl thiophosphoric acid. Echothiopate

[6736-03-4]



$C_9H_{23}NO_3PS^{\oplus}$ M 256.319 (ion)

Drug used in treatment of glaucoma. Cholinesterase inhibitor.

Iodide: [513-10-0]. *Ecothiopate iodide, INN, BAN. Phospholine iodide. Echodide. Ecodide. Oftan-Eco. 217 MI.*

$C_9H_{23}INO_3PS$ M 383.224

Cryst. Sol. H_2O. Mp 124-124.5° (138°). Unstable in aq. soln.

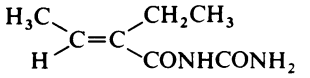
▷BR6985000.

Hydrogen oxalate: Solid. Mp 116°.

Tammelin, L.E., *Acta Chem. Scand.*, 1957, **11**, 1340 (*synth*)
Chatten, L.G. *et al*, *J. Pharm. Sci.*, 1967, **56**, 834.
Hussain, A. *et al*, *J. Pharm. Sci.*, 1968, **57**, 411 (*props*)
Daley, R.D., *Anal. Prof. Drug Subst.*, 1974, **3**, 233 (*rev, bibl*)
Guo, Z. *et al*, *CA*, 1985, **102**, 6686 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4515.

Ectylurea, BAN, INN E-00011

N-(*Aminocarbonyl*)-*2-ethyl-2-butenamide*, *9CI*. *2-Ethylcrotonylurea*, *8CI*. (α-*Ethylcrotonyl*)*carbamide*. *Astyn. Ektyl. Levanil. Neuroprocin. Nostal. Nostyn. Pacetyn.*
Other proprietary names



(*E*)-*form*

$C_7H_{12}N_2O_2$ M 156.184

(*E*)-*form* [2884-67-5]
Cryst. Mp 158°.
▷YT2700000.

(*Z*)-*form* [95-04-5]
Used as a tranquilliser and sedative. Needles (C_6H_6), cryst. (2-propanol). Sol. conc. aq. acids and alkalis, v. spar. sol. org. solvs. Mp 198° (191-193°).
▷YT2800000.

Newbery, G., *J. Chem. Soc.*, 1925, **127**, 295 (*synth*)
U.S.P., 2 854 379, (*1958*), 2 931 832, (*1960*); *CA*, **53**, 2545, **54**, 15252 (*synth*)
Roehnert, H., *J. Prakt. Chem.*, 1966, **32**, 265 (*synth*)
Ohtsuka, Y., *CA*, 1972, **77**, 87238; 1973, **79**, 144416 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 756 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4029.

Edetol, USAN, INN E-00012

1,1′,1″,1‴-(1,2-Ethanediyldinitrilo)tetrakis-2-propanol, *9CI*. N,N,N′,N′-*Tetrakis*(*2-hydroxypropyl*)-*ethylenediamine*. *Quadrol. THEDP. Entprol*
[102-60-3]

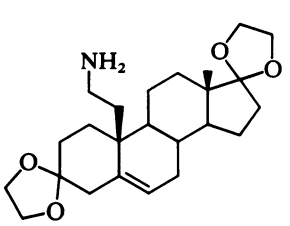
$[HOCH(CH_3)CH_2]_2N(CH_2)_2N[CH_2CH(CH_3)OH]_2$

$C_{14}H_{32}N_2O_4$ M 292.418
Pharmaceutical aid (alkalizing agent). Viscous liq./solid. Misc. H_2O. Mp 31-32°. $Bp_{1.0}$ 190°. pK_{a1} 8.07, pK_{a2} 5.95.
▷UB5604000.

U.S.P., 2 697 118, (*1954*); *CA*, **49**, 15951b (*synth*)
Bhide, M.V. *et al*, *J. Immunopharmacol.*, 1985, **7**, 303 (*pharmacol*)

Edifolone, INN E-00013

10-(*2-Aminoethyl*)*estr-5-ene-3,17-dione cyclic bis*(*1,2-ethanediyl acetal*), *9CI*
[90733-40-7]



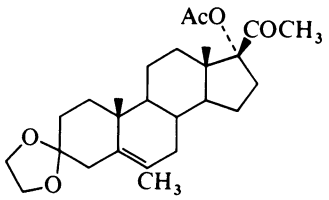
$C_{24}H_{37}NO_4$ M 403.561
Antiarrhythmic agent.

B,HCl: Gelatinous solid.
B,AcOH: [90733-42-9]. *Edifolone acetate*, *USAN*. *SC 35135*.

Eur. Pat., 104 489, (*1984*); *CA*, **101**, 38728 (*synth, pmr, ir, pharmacol*)

Edogestrone, BAN, INN E-00014

17-(*Acetyloxy*)-*6-methyl-5-pregnene-3,20-dione cyclic 3*-(*1,2-ethanediyl acetal*), *9CI*. *17-Hydroxy-6-methylpregn-5-ene-3,20-dione cyclic 3*-(*ethylene acetal*) *acetate*, *8CI*. *PH 218*
[809-01-8]

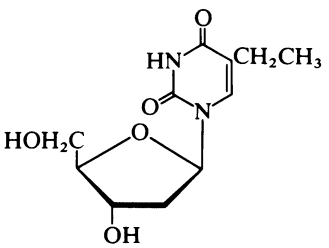


$C_{26}H_{38}O_5$ M 430.583
Progestational steroid. Mp 185-187°. $[\alpha]_D$ −55° ($CHCl_3$).

Weiss, M.J. *et al*, *J. Med. Chem.*, 1964, **7**, 804 (*synth, pharmacol*)

Edoxudine, INN, USAN E-00015

2′-Deoxy-5-ethyluridine, *9CI*. *Aedurid. Edurid. Etoxuridine. ORF 15817. ADU. EDU. Et UdR. EUDR*
[15176-29-1]

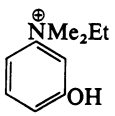


$C_{11}H_{16}N_2O_5$ M 256.258
Antiviral agent. Long needles (Me_2CO). Mp 152-153°.
▷YU7500000.

Remin, M. *et al*, *Eur. J. Biochem.*, 1975, **53**, 197 (*conformn, pmr*)
Bergstrom, D.E. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 8106 (*synth*)
Robins, M.J. *et al*, *J. Org. Chem.*, 1983, **48**, 1854 (*synth*)
Rode, W. *et al*, *Biochem. Pharmacol.*, 1984, **33**, 2699 (*synth, pharmacol*)
Hempel, B. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1058 (*pharmacol*)
Walker, R.T. *et al*, *Nucleic Acids Symp. Ser.*, 1985, **16**, 291 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12706.

Edrophonium(1+) E-00016

N-*Ethyl-3-hydroxy*-N,N-*dimethylbenzenaminium*, *9CI*. *Ethyl*(m-*hydroxyphenyl*)*dimethylammonium*, *8CI*. N-*Ethyl*-N-(m-*hydroxyphenyl*)-N,N-*dimethylammonium*. *3-Hydroxyphenyldimethylethylammonium*
[312-48-1]



$C_{10}H_{16}NO^{\oplus}$ M 166.243 (ion)

Cholinergic agent, muscle stimulant, antidote to curare, used for diagnosis of myasthenia gravis.

Chloride: [116-38-1]. *Edrophonium chloride, INN. Antirex.*

$C_{10}H_{16}ClNO$ M 201.696

Mp 162-163°.

▷BQ5870000.

Bromide: [302-83-0]. *Edrophonium bromide, BAN. Tensilon. Ro 2-3198.*

$C_{10}H_{16}BrNO$ M 246.147

Cryst. with bitter taste (EtOH/Et_2O). Mp 151-152° dec.

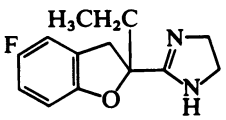
▷BR1925000.

Osserman, K.E. *et al, J. Am. Med. Assoc.*, 1952, **150**, 265 (*use*)
Randall, L.O. *et al, J. Pharmacol. Exp. Ther.*, 1952, **105**, 7 (*pharmacol*)
B.P., 681 656, (*1954*); *CA*, **48**, 8821 (*synth*)
Lands, A.M. *et al, J. Pharmacol. Exp. Ther.*, 1957, **119**, 541 (*pharmacol*)
Back, D.J. *et al, Br. J. Pharmacol.*, 1972, **46**, 355 (*metab*)
Smith, M.H., *Biochem. Med.*, 1974, **10**, 236 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4516.

Efaroxan, INN E-00017

2-(2-Ethyl-2,3-dihydro-2-benzofuranyl)-4,5-dihydro-1H-imidazole, 9CI

[89197-32-0]



$C_{13}H_{16}N_2O$ M 216.282

(±)-*form*

α-Adrenoceptor antagonist.

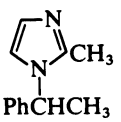
B,HCl: Cryst. (EtOH/Et_2O). Mp 247-250°.

Chapleo, C.B. *et al, J. Med. Chem.*, 1984, **27**, 570 (*synth, pharmacol*)

Efetozole, INN E-00018

2-Methyl-1-(1-phenylethyl)-1H-imidazole, 9CI

[90408-21-2]



$C_{12}H_{14}N_2$ M 186.256

(±)-*form* [99500-54-6]

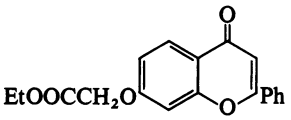
Antidepressant. Cryst. (EtOAc). Mp 83-86°.

Chadwick, D.J. *et al, J. Chem. Soc., Perkin Trans. 1*, 1984, **3**, 481 (*synth*)
Eur. Pat., 149 976, (*1985*); *CA*, **104**, 68857f

Efloxate, INN E-00019

Ethyl [(4-oxo-2-phenyl-4H-1-benzopyran-7-yl)oxy]-acetate, 9CI, 8CI. 7-(Ethoxycarbonylmethoxy)flavone. Ethyl flavonoxyacetate. Recordil. Oxyflavil. Re 1-0185. Angorlisin. Coril. Corosanin. Numerous proprietary names

[119-41-5]



$C_{19}H_{16}O_5$ M 324.332

Coronary vasodilator, antianginal drug. Mp 122-124°.

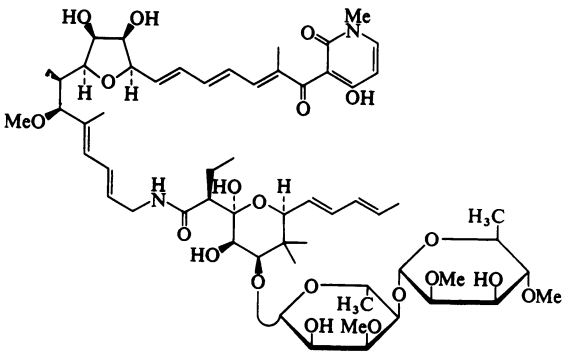
▷AJ1460000.

Klosa, J., *J. Prakt. Chem.*, 1963, **19**, 123 (*synth*).
Morin, H. *et al, Therapie*, 1964, **19**, 1555 (*pharmacol, tox*)
Polaczek, L. *et al, Chem. Anal.*, 1964, **9**, 275 (*anal*)
Trevisani, I. *et al, Boll. Chim. Farm.*, 1969, **108**, 515 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9227.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5127 (*synonyms*)

Efrotomycin, INN, USAN E-00020

Efrotomycin A_1. FR 02A. MK 621

[56592-32-6]



$C_{59}H_{88}N_2O_{20}$ M 1145.346

Polyene antibiotic. Prod. by *Streptomyces lactamdurans*. Active against gram-positive and -negative bacteria, P.P.L.O. in chickens and cattle, coccidiosis in mice and chickens. Pale-yellow solid. Related to Goldinomycin.

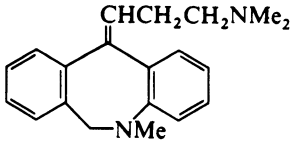
▷QA2807000.

U.S.P., 4 024 251, (*1977*); *CA*, **87**, 37365v (*isol*)
Frost, B.M. *et al, J. Antibiot.*, 1979, **32**, 626 (*props*)
Dewey, R.S. *et al, J. Antibiot.*, 1985, **38**, 1691 (*struct*)
Dolle, R.E. *et al, J. Am. Chem. Soc.*, 1985, **107**, 1691, 1695 (*synth*)

Elantrine, USAN, INN E-00021

3-(5,6-Dihydro-5-methyl-11H-dibenz[b,e]azepin-11-ylidene)-N,N-dimethyl-1-propanamine, 9CI. 11-[3-(Dimethylamino)propylidene]-5,6-dihydro-5-methylmorphanthridine. Fantrine. EX 10-029. RMI 80029

[1232-85-5]



$C_{20}H_{24}N_2$ M 292.423

Anticholinergic, antiparkinsonian agent. $Bp_{0.08}$ 165°.

Cyclohexanesulfamic acid salt (1:2): [1443-91-0]. *Elantrine dicyclamate.* Mp 137°.

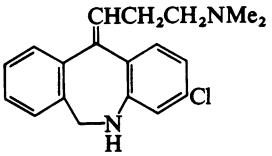
▷QC5775000.

Drukker, A.E. *et al, J. Heterocycl. Chem.*, 1965, **2**, 276 (*synth*)
B.P., 1 025 698, (*1966*); *CA*, **64**, 19574i (*synth, pharmacol*)
Ursillo, R.C. *et al, Arch. Int. Pharmacodyn. Ther.*, 1972, **197**, 132 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12686.

Elanzepine, INN E-00022

3-Chloro-11-[3-(dimethylamino)propylidene]-5,6-dihydromorphanthridine, 8CI. WA 363

[6196-08-3]



$C_{19}H_{21}ClN_2$ M 312.841

Antihistamine, sedative. $Bp_{0.02}$ 192-195°.

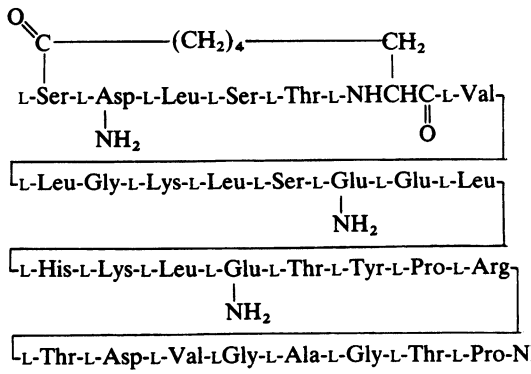
Maleate: [20049-41-6]. Mp 177-178°.

U.S.P., 339 136, (*1968*); *CA*, **69**, 96513t (*synth, pharmacol, tox*)

Elcatonin, INN, JAN E-00023

1-Butanoic acid-26-L-aspartic acid-27-L-valine-29-L-alanine-1,7-dicarbacalcitonin (salmon), 9CI. Carbocalcitonin. Turbocalcin

[60731-46-6]



$C_{148}H_{244}N_{42}O_{47}$ M 3363.809

Synthetic deriv. of eel calcitonin. Used for treatment of hypercalcaemia, antilipidaemic agent. $[\alpha]_D^{15}$ −88° (c, 0.1 in 0.1*M* formic acid).

Morikawa, T. *et al, Experientia*, 1976, **32**, 1104 (*synth, pharmacol*)
Yamauchi, H. *et al, Endocrinol. Jpn.*, 1977, **24**, 281 (*metab*)
Nogarin, L. *et al, Minerva Med.*, 1984, **75**, 1809 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19126.

Eledoisin, 9CI, INN E-00024

L-Pyroglutamyl-L-prolyl-L-seryl-L-lysyl-L-aspartyl-L-alanyl-L-phenylalanyl-L-isoleucylglycyl-L-leucyl-L-methioninamide. ELD 950. Eloisin. FI 6225

[69-25-0]

5-OxoPro-Pro-Ser-Lys-Asp-Ala-Phe-Ile-Gly-Leu-Met-NH_2

$C_{54}H_{85}N_{13}O_{15}S$ M 1188.404

Peptide from the posterior salivary glands of *Eledone* spp. Stimulates extravascular smooth muscle, has powerful vasodilatory and hypotensive action and in certain spp. causes salivation and increased capillary permeability (ophthalmic use). Powder + $1\frac{1}{2}H_2O$. Mp 230° dec. $[\alpha]_D^{22}$ −44° (c, 1 in 95% AcOH).

▷JX8688000.

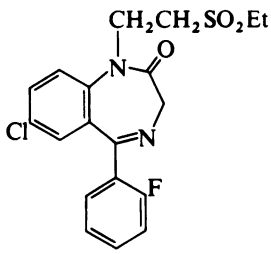
N^{ϵ}-(*Lys*)-tert-*Butoxycarbonyl:* Mp 200° dec. $[\alpha]_D$ −57° (95% AcOH).

Erdös, E.G., *Adv. Pharmacol.*, 1966, **4**, 1 (*rev*)
Bernardi, L. *et al, Gazz. Chim. Ital.*, 1967, **97**, 34 (*analogues*)
Pietta, P.G. *et al, J. Org. Chem.*, 1974, **39**, 44 (*synth*)
de Marco, A. *et al, Int. J. Pept. Protein Res.*, 1975, **7**, 437 (*pmr, cmr*)
Gillespie, J.S. *et al, Br. J. Pharmacol.*, 1978, **62**, 267 (*activity deriv*)
Nan, H., *Adv. Mass Spectrom.*, 1978, **7B**, 1518 (*ms*)
De Castiglione, R., *Biopolymers*, 1983, **22**, 507 (*rev, pharmacol, manufacture, props*)
Kuhl, P. *et al, Monatsh. Chem.*, 1984, **115**, 423 (*partial synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3898.

Elfazepam, USAN, INN E-00025

7-Chloro-1-[2-(ethylsulfonyl)ethyl]-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one, 9CI. SKF 72517

[52042-01-0]



$C_{19}H_{18}ClFN_2O_3S$ M 408.874

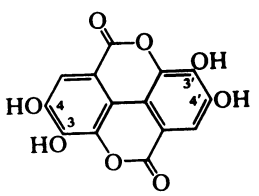
Veterinary appetite stimulant, muscle relaxant. Cryst. Mp 122.5-123°.

Ger. Pat., 2 166 473, (*1974*); *CA*, **80**, 133497r (*synth, pharmacol*)
Baile, C.A. *et al, J. Anim. Sci.*, 1979, **49**, 1371 (*rev*)

Ellagic acid, INN E-00026

2,3,7,8-Tetrahydroxy[1]benzopyrano[5,4,3-cde][1]-benzopyran-5,10-dione, 9CI. Benzoaric acid. Elagostasine. Lagistase

[476-66-4]



$C_{14}H_6O_8$ M 302.197

Occurs free and combined in galls. Isol. from the leaves of *Castanopsis* spp. and several other spp. Astringent (intestinal). Haemostatic. Needles + 2Py (Py). Spar. sol. H_2O, EtOH, insol. Et_2O. Mp >360°.

▷DJ2620000.

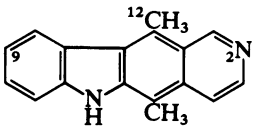
Tetra-Ac: Mp 317-319°, 343-346°.

3,3'-Di-Me ether: **Nasutin C**.
$C_{16}H_{10}O_8$ M 330.250
Constit. of the haemolymph of the termite *Nasutitermes exitiosus*. Pale-cream needles (Me_2CO). Mp 336-338° dec.
3,3'-Di-Me ether, 4-glucoside:
$C_{22}H_{20}O_{13}$ M 492.392
Occurs in *Terminalia paniculata*. Prisms (MeOH aq.). Mp 214-215°. $[\alpha]_D^{30}$ +79° (c, 0.504 in MeOH).
3,3',4-Tri-Me ether: **Nasutin B**.
$C_{17}H_{12}O_8$ M 344.277
Constit. of the haemolymph of *N. exitiosus*. Pale-cream platelets (EtOH). Mp 298° dec.
Tetra-Me ether: Mp 355° dec.
O^4-β-Gentiobioside: **Amritoside**.
$C_{26}H_{26}O_{18}$ M 626.481
Isol. from *Psidium guajava*. Platelets (EtOH). Mp 248-250°. $[\alpha]_D^{25}$ −414° (Py).

Perkin, A.G., *J. Chem. Soc.*, 1905, **87**, 1415 (*synth*)
Nierenstein, M., *Helv. Chim. Acta*, 1931, **14**, 912 (*isol*)
Zetzsche, F., *Helv. Chim. Acta*, 1931, **14**, 240 (*isol*)
Row, L.R., *Tetrahedron*, 1962, **18**, 357 (*isol*)
Moore, B.P., *Aust. J. Chem.*, 1964, **17**, 901 (*derivs*)
Seshadri, T.R. *et al*, *Phytochemistry*, 1965, **4**, 317, 989 (*Amritoside*)
Bhargarva, U.C. *et al*, *J. Pharm. Sci.*, 1968, **57**, 1728 (*pharmacol*)
Mathieson, A.M. *et al*, *Acta Crystallogr., Sect. B*, 1968, **24**, 1456 (*cryst struct*)
Arthur, H.R., *Aust. J. Chem.*, 1969, **22**, 597 (*isol*)
Press, R.E. *et al*, *J. Appl. Chem.*, 1969, **19**, 247 (*props*)
Doyle, B. *et al*, *Xenobiotica*, 1980, **10**, 247 (*metab*)
Sato, T., *Phytochemistry*, 1987, **26**, 2124 (*synth, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 309.

Ellipticine E-00027

5,11-Dimethyl-6H-pyrido[4,3-b]carbazole, 9CI. NSC 71795
[519-23-3]

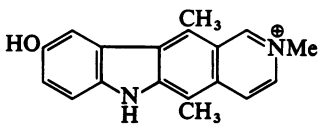


$C_{17}H_{14}N_2$ M 246.311
Alkaloid from *Ochrosia elliptica* and several other *O.* spp. and from *Aspidosperma subincanum* and *Bleekeria vitiensis* (Apocynaceae). Shows broad-spectrum anitumour activity. An intercalating agent. Yellow needles (MeOH), orange rods or rosettes (AcOH or $CHCl_3$). Mp 311-315° dec.
▷Mutagen. UU8825000.
N^2-Me: **N-Methylellipticine**.
$C_{18}H_{17}N_2^{\oplus}$ M 261.346 (ion)
Minor quaternary alkaloid from the bark of *A. subincanum* (Apocynaceae).
N^2-Me, iodide:
$C_{18}H_{17}IN_2$ M 388.250
Mp 360° dec.
N^2-Me, nitrate:
$C_{18}H_{17}N_3O_3$ M 323.351
Cryst. (MeOH). Mp 293-304° dec.
N^2-Oxide: [37687-33-5]. **Ellipticine N^2-oxide**.
$C_{17}H_{14}N_2O$ M 262.310
Alkaloid from *O. vieillardii, O. moorei* and *Strychnos dinklagei* (Apocynaceae, Strychnaceae). Noncryst.
9-Hydroxy: [51131-85-2]. **9-Hydroxyellipticine**. *10-Hydroxyellipticine.*
$C_{17}H_{14}N_2O$ M 262.310
Alkaloid from the stem bark of *S. dinklagei* (Strychnaceae). Orange prisms ($CHCl_3$/MeOH). Mp >300°.
▷UU8886500.
12-Hydroxy: [83329-79-7]. **12-Hydroxyellipticine**. *18-Hydroxyellipticine.*
$C_{17}H_{14}N_2O$ M 262.310
Alkaloid from the stem bark of *S. dinklagei* (Strychnaceae). Noncryst.
9-Methoxy: see 9-Methoxyellipticine, M-00198

Goodwin, S. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1903 (*isol, uv, ir, pmr*)
Woodward, R.B. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4434 (*synth, struct*)
Büchi, G. *et al*, *Tetrahedron*, 1961, **15**, 167 (*N-Methylellipticine*)
Budzikiewicz, H. *et al*, *Structure Elucidation of Natural Products by Mass Spectrometry, Alkaloids*, 1964, **1**, 53 (*ms*)
Loder, J.W. *et al*, *Aust. J. Chem.*, 1966, **19**, 1947 (*ms*)
Dalton, L.K. *et al*, *Aust. J. Chem.*, 1967, **20**, 2715 (*synth, pmr*)
Bruneton, J. *et al*, *Phytochemistry*, 1972, **11**, 3073 (*oxide*)
Courseille, C. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2628 (*cryst struct*)
Oikawa, Y. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1479 (*synth*)
Sainsbury, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1155 (*synth*)
Bergman, J. *et al*, *Tetrahedron Lett.*, 1977, 4663 (*synth*)
Sainsbury, M., *Synthesis*, 1977, 437 (*rev*)
Ahond, A. *et al*, *Tetrahedron*, 1978, **34**, 2385 (*cmr*)
Joule, J.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 642 (*synth, bibl*)
Kohn, K.W. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 195 (*rev, pharmacol*)
Ahond, A. *et al*, *J. Nat. Prod.*, 1981, **44**, 193 (*oxide*)
Besselièvre, R. *et al*, *Tetrahedron, Suppl.*, 1981, 241 (*synth*)
Kano, S. *et al*, *Heterocycles*, 1982, **19**, 1673 (*synth*)
Michel, S. *et al*, *J. Nat. Prod.*, 1982, **45**, 489 (*oxide, hydroxyellipticines*)
Sainsbûry, M. *et al*, *Org. Magn. Reson.*, 1982, **18**, 117 (*cmr*)
Saulnier, M.G. *et al*, *J. Org. Chem.*, 1982, **47**, 2810 (*synth*)
Miller, R.B. *et al*, *J. Org. Chem.*, 1983, **48**, 886 (*synth*)
Murakami, Y. *et al*, *Tetrahedron Lett.*, 1983, **24**, 2189 (*synth*)
Garlich, J.R. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1871 (*oxide, cryst struct*)
Gribble, G.W. *et al*, *J. Org. Chem.*, 1984, **49**, 4518 (*synth*)
May, C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 926 (*synth*)
Weller, D.D. *et al*, *Tetrahedron Lett.*, 1984, **25**, 2105 (*synth*)
Gribble, G.W. *et al*, *Heterocycles*, 1985, **23**, 1277 (*rev, synth*)
Suffness, M., *Alkaloids (N.Y.)*, 1985, **25**, 116 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18634.

Elliptinium(1+) E-00028

9-Hydroxy-2,5,11-trimethyl-6H-pyrido[4,3-b]-carbazolium(1+), 9CI
[58337-34-1]



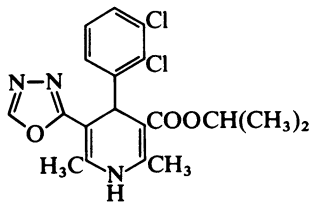
$C_{18}H_{17}N_2O^{\oplus}$ M 277.345 (ion)
Derivative of Ellipticine, E-00027 . Cytotoxic, antineoplastic agent. Orange cryst. (MeOH). Mp 330° (as MeOH solvate).
▷UU8875000.
B,AcOH: [58337-35-2]. *Elliptinium acetate, BAN, INN. Celiptium. NSC 264137.*
$C_{20}H_{20}N_2O_3$ M 336.390
Yellow cryst. (C_6H_6). Mp 282°.

Ger. Pat., 2 618 223, (*1976*); *CA*, **86**, 55620h (*synth*)
Muzard, G. *et al*, *J. Chromatogr.*, 1979, **169**, 446 (*hplc*)
Padetti, C. *et al*, *Recent Results Cancer Res.*, 1980, **74**, 107 (*rev*)

Monsarrat, B. *et al, Biochem. Pharmacol.*, 1983, **32**, 3887; *Drug. Metab. Dispos.*, 1984, **12**, 111 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18634.

Elnadipine, INN **E-00029**

4-(2,3-Dichlorophenyl)-1,4-dihydro-2,6-dimethyl-5-(1,3,4-oxadiazol-2-yl)-3-pyridinecarboxylic acid 1-methylethyl ester, 9CI



$C_{19}H_{19}Cl_2N_3O_3$ M 408.283

(−)-*form* [103946-15-2]

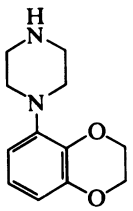
Calcium antagonist. Cardiovascular agent. Cryst. (2-propanol). Mp 199-202°. $[\alpha]_D^{20}$ −95° (c, 2 in CH_2Cl_2).

Ger. Pat., 3 431 152, (*1986*); *CA*, **105**, 114915 (*synth*)

Eltoprazine, INN **E-00030**

1-(2,3-Dihydro-1,4-benzodioxin-5-yl)piperazine, 9CI

[98224-03-4]



$C_{12}H_{16}N_2O_2$ M 220.271

Antihypertensive agent.

B,HCl: [98206-09-8]. *DU 28853.* Mp 256-258°.

Eur. Pat., 138 280, (*1985*); *CA*, **103**, 123520x (*synth, pharmacol*)

Elucaine, USAN, INN **E-00031**

α-[(Diethylamino)methyl]benzenemethanol benzoate, 9CI

[25314-87-8]

$PhCOOCHPhCH_2NEt_2$

$C_{19}H_{23}NO_2$ M 297.396

▷DG8555000.

(±)-*form*

Local anaesthetic. Gastric anticholinergic used for gastric ulcer treatment.

B,HCl: Cryst. (2-propanol). Mp 140-142°.

B,MeI: Cryst. (EtOH). Mp 212-213°.

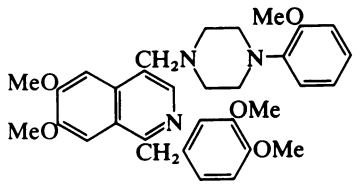
B,Me_2SO_4: Mp 148-149°.

Shapiro, S.L. *et al, J. Am. Chem. Soc.*, 1959, **81**, 203 (*synth, pharmacol*)
Bogatov, S.V. *et al, Zh. Obshch. Khim.*, 1969, **39**, 1861 (*synth, uv*)
Kundryutskova, L.A. *et al, Dokl. Akad. Nauk SSSR*, 1971, **196**, 352 (*pharmacol*)

Elziverine, INN **E-00032**

1-[(3,4-Dimethoxyphenyl)methyl]-6,7-dimethoxy-4-[[4-(2-methoxyphenyl)-1-piperazinyl]methyl]-isoquinoline, 9CI. *Ro 224839*

[95520-81-3]



$C_{32}H_{37}N_3O_5$ M 543.661

Cerebral and peripheral vasodilator. Cryst. (EtOH). Mp 117-119°.

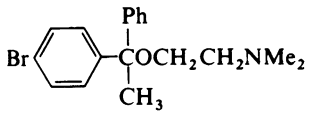
B,2HBr: [95520-82-4]. Cryst. (EtOH aq.). Mp 222-223°.

Eur. Pat., 126 480, (*1984*); *CA*, **102**, 132070g (*synth, pharmacol*)
Nakajima, T. *et al, Arzneim.-Forsch.*, 1987, **37**, 498, 674, 778 (*pharmacol*)

Embramine, BAN, INN **E-00033**

2-[1-(4-Bromophenyl)-1-phenylethoxy]-N,N-dimethylethanamine, 9CI. *N-2-(4-Bromo-α-methylbenzhydryloxy)-N,N-dimethyl-ethylamine. Mebrophenhydramine*

[3565-72-8]



$C_{18}H_{22}BrNO$ M 348.282

(±)-*form*

Antihistamine. Oil. Bp_1 163-170°.

B,HCl: [13977-28-1]. *Bromadryl. Mebryl.* Cryst. (Me_2CO/Et_2O). Mp 152-155°.

▷KQ8400000.

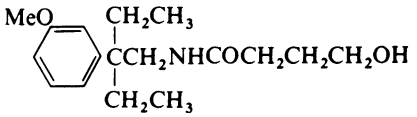
Compd. with 8-Chlorotheophylline (1:1): [21661-63-2]. *Embramine teoclate. Mebrophenhydrinate. Medrin.* Antiemetic. Mp 158-160°.

Novak, L. *et al, Collect. Czech. Chem. Commun.*, 1959, **24**, 3966 (*synth, pharmacol*)
Francova, V., *Arzneim.-Forsch.*, 1962, **12**, 709 (*metab*)
Protiva, M. *et al, Pharmacotherapeutica, 1950-1959*, 1963, 267 (*rev, pharmacol*)
Ger. Pat., 1 240 877, (*1967*); *CA*, **67**, 73338 (*synth*)
Seidlova, V. *et al, Collect. Czech. Chem. Commun.*, 1971, **36**, 299 (*synth, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6134.

Embutramide, BAN, INN **E-00034**

N-[2-Ethyl-2-(3-methoxyphenyl)butyl]-4-hydroxybutanamide, 9CI. *N-(β,β-Diethyl-m-methoxyphenethyl)-4-hydroxybutyramide*

[15687-14-6]



$C_{17}H_{27}NO_3$ M 293.405

Narcotic analgesic, which has been used as a euthanasia drug for animals. Cryst. (AcOH/ligroin). Mp 70-71°.

U.S.P., 3 045 043, (*1962*); *CA*, **58**, 5571 (*synth*)

Emepronium(1+) E-00035

N-Ethyl-N,N,α-trimethyl-γ-phenylbenzenepropanaminium, 9CI. Ethyldimethyl(1-methyl-3,3-diphenylpropyl)ammonium, 8CI

[27892-33-7]

$Ph_2CHCH_2CH(CH_3)N^{\oplus}EtMe_2$

$C_{20}H_{28}N^{\oplus}$ M 282.448 (ion)

(±)-form

Anticholinergic, antispasmodic with atropine-like activity.

Bromide: [3614-30-0]. *Emepronium bromide, BAN, INN. Cetiprin. Detrulisin. Hexanium. Inkopax. Restenacht. Ripirin. Uro-Ripirin.*

$C_{20}H_{28}BrN$ M 362.352

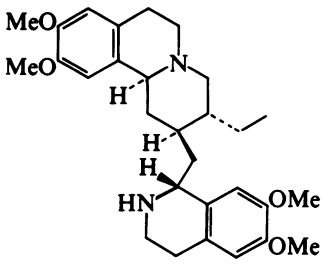
Cryst. Mp 204°.

▷BQ4240000.

Swedish Pat., 136 606, (*1952*); *CA*, **48**, 729 (*synth*)
Sundwall, A. *et al*, *Eur. J. Clin. Pharmacol.*, 1973, **6**, 191 (*metab*)
Pilbrant, A. *et al*, *Acta Pharmacol. Toxicol.*, 1985, **56**, 289 (*pharmacol*)
Aasen, A.J. *et al*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 206.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 365, 18635.

Emetine E-00036

6′,7′,10,11-Tetramethoxyemetan, 9CI. Ipecine. Methylcephaeline. NSC 33669



Absolute configuration

$C_{29}H_{40}N_2O_4$ M 480.646

(−)-form [483-18-1]

Alkaloid from *Alangium lamarckii, Cephaelis acuminata* (biosynthesis), *Psychotria granadensis* and *P. ipecacuanha* (Alangiaceae, Rubiaceae). The occurrence of emetine in the common ivy, *Hedera helix* (Araliaceae; G.H. Mahran, *etal* (*loc. cit*) and in the roots of *Borreria verticillata* (Rubiaceae; O.O. Orazi, *CA*, 1947, **41**, 2210c) remains unconfirmed. Orally-active emetic. Amoebicide, general parasiticide, shows antiviral, antitumour and antibacterial activity. Inhibitor of RNA, DNA and protein synthesis. Also shows neuromuscular and cardiovascular effects. *A. lamarckii* has been extensively used in Indian medicine and the biochemistry of Emetine has been extensively studied. 2,3-Didehydroemetine is a v. active amoebicide. Amorph. Mp 74° (efferv.) (sinters at 70°). $[\alpha]_D$ −46.55° (c, 1.16 in $CHCl_3$), $[\alpha]_D$ −22° (EtOH), $[\alpha]_D$ −26° ($CHCl_3$), $[\alpha]_D$ −50° ($CHCl_3$).

▷Highly toxic orally, fatal dose ~1g in humans. Cumulative poison over short periods. DK1750000.

B,2HCl: [316-42-7]. *Emetine hydrochloride, USAN. Emetinal. Encol. Erketin. Hemometina.* Needles + $7H_2O$. Mp 255° dec. (sinters at 235°).

▷JY5250000.

B,2HBr: Needles + $4H_2O$. Mp 250-260° (sinters at 245°).

B,2HI: Needles + $3H_2O$ (EtOH). Mp 235-238° (sinters at 230°).

B,2HNO₃: Needles + $3H_2O$. Mp 245° (sinters at 188°).

B,H₂SO₄: Needles + $7H_2O$. Mp 245° (sinters at 205°).

N-*Ac:* Granules (Et_2O). Mp 97-99°.

N-*Ac; B,MeI:* Cryst. (EtOH). Mp 213-216°.

N-*Benzoyl:* Mp 183-184°. $[\alpha]_D^{20}$ −63.7° (c, 2.09 in $CHCl_3$).

Camphorsulfonate: [53625-86-8]. *Canforemetina. Emetoplisc.* Cryst. (EtOH/Et_2O). Mp 203-204° (134-135°).

(±)-form [65910-27-2]

Synthetic. Noncryst.

B,(COOH)₂: Mp 159-160°, 180-182°.

B,2HCl: Mp 261-263°.

Basu, U.P., *J. Indian Chem. Soc.*, 1938, **15**, 513 (*synth, salt*)
Bluthgen, U. *et al*, *Arch. Int. Pharmacodyn.*, 1950, **82**, 338 (*pharmacol, salts*)
Hazlett, R.N. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 2578 (*ir*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1959, 1744, 1748, 2704, 3512; 1960, 717 (*isol, synth, config*)
Brossi, A. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1515 (*synth, resoln*)
Van Tamelen, E.E. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 507 (*stereochem*)
Openshaw, H.T. *et al*, *J. Chem. Soc.*, 1963, 1461 (*synth*)
Spiteller, G. *et al*, *Tetrahedron Lett.*, 1963, 153 (*ms*)
Budzikiewicz, H. *et al*, *Tetrahedron*, 1964, **20**, 399 (*isol, ms*)
Pakrashi, S.C. *et al*, *Indian J. Chem.*, 1964, **2**, 379 (*isol*)
Garg, A.K. *et al*, *Phytochemistry*, 1972, **11**, 689 (*biosynth*)
Koch, M.C. *et al*, *J. Org. Chem.*, 1975, **40**, 2836 (*cmr*)
Mahran, G.H. *et al*, *Planta Med.*, 1975, **27**, 127 (*isol, uv, ir, pmr, ms*)
Fujii, T. *et al*, *Tetrahedron Lett.*, 1978, 3111 (*cd*)
Nagakura, N. *et al*, *J. Chem. Soc., Chem. Commun.*, 1978, 896 (*biosynth*)
Kametani, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 1211 (*synth*)
Schuij, C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 970 (*ms*)
Takano, S. *et al*, *Heterocycles*, 1979, **12**, 765 (*synth*)
Feyns, L.V. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 289 (*rev, uv, ir, pmr, cmr, ms, anal*)
Fujii, T. *et al*, *Alkaloids (N.Y.)*, 1983, **22**, 31 (*bibl, pharmacol*)
Gupta, R.S., *Antibiotics (N.Y.)*, 1983, **6**, 46 (*rev, pharmacol*)
Hirai, Y. *et al*, *Heterocycles*, 1986, **24**, 571 (*synth*)
Naito, T. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 3530 (*synth*)
Bhutani, K.K. *et al*, *Planta Med.*, 1987, **53**, 532 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4782.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1274, 1275.

Emetonium(1+) E-00037

2-(Diphenylmethoxy)-N,N-diethyl-N-methylethanaminium. [2-(Diphenylmethoxy)ethyl]-diethylmethylammonium

$Ph_2CHOCH_2CH_2N^{\oplus}Me(Et)_2$

$C_{20}H_{28}NO^{\oplus}$ M 298.447 (ion)

Anticholinergic, antispasmodic agent.

Iodide: [5982-52-5]. *Emetonium iodide. Esyntin. Metropin.*

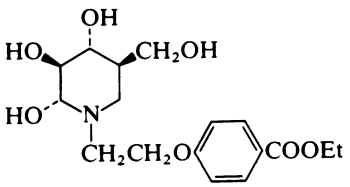
$C_{20}H_{28}INO$ M 425.352

Antonsen, S., *Arch. Pharmacol. Toxicol.*, 1968, **26**, Suppl. 2 (*pharmacol*)

Emiglitate, BAN, INN **E-00038**

1,5-Dideoxy-1,5-[[2-[4-(ethoxycarbonyl)phenoxy]-ethyl]imino]-D-glucitol, 9CI. Ethyl-4-[2-[3,4,5-trihydroxy-2-(hydroxymethyl)piperidino]ethoxy]benzoate. Bay O 1248

[80879-63-6]



$C_{17}H_{25}NO_7$ M 355.387

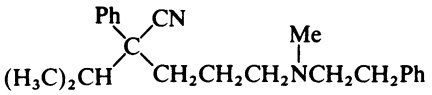
α-Glucosidase inhibitor.

Cauderay, M. *et al, Metab. Clin. Exp.*, 1986, **35**, 472 (*pharmacol*)
Kennedy, F.P. *et al, Clin. Exp. Pharmacol. Physiol.*, 1987, **14**, 633.
Lembcke, B. *et al, Gut*, 1987, **28**, 181.
Bollen, M. *et al, Biochem. Pharmacol.*, 1988, **37**, 905 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18830.

Emopamil, INN **E-00039**

α-(1-Methylethyl)-α-[3-[methyl(2-phenylethyl)amino]-propyl]benzeneacetonitrile, 9CI. Sz 45

[78370-13-5]



$C_{23}H_{30}N_2$ M 334.503

(−)-form shows greater pharmacol activity.

(+)-*form* [101238-50-0]

$[\alpha]_D^{20}$ +20.4° (c, 1 in C_6H_6).

B,HCl: [101238-56-6]. Mp 184-185°. $[\alpha]_D^{20}$ +7° (c, 1 in EtOH).

(−)-*form* [101238-51-1]

$[\alpha]_D^{20}$ −20.4° (c, 1 in C_6H_6).

B,HCl: [101238-54-4]. Mp 184-185°. $[\alpha]_D^{20}$ −7° (c, 1 in EtOH).

(±)-*form* [101238-55-5]

Coronary vasodilator.

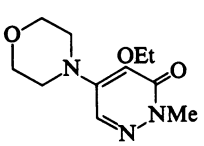
B,HCl: [101238-49-7]. Mp 166-168°.

Mannhold, R. *et al, Arzneim.-Forsch.*, 1981, **31**, 773 (*pharmacol*)
Ger. Pat., 3 344 755, (*1985*); *CA*, **104**, 148554v (*synth, pharmacol*)
Goll, A. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1986, **334**, 303.

Emorfazone, INN, JAN **E-00040**

4-Ethoxy-2-methyl-5-(4-morpholinyl)-3(2H)-pyridazinone, 9CI. Nandron. Pentoil. M73101

[38957-41-4]



$C_{11}H_{17}N_3O_3$ M 239.274

Analgesic, antiinflammatory agent, used for treatment of catarrh. Mp 89-91°. Less toxic than aminopyrine or phenylbutazone, LD_{50} 700 mg/kg, i.p. in mice.

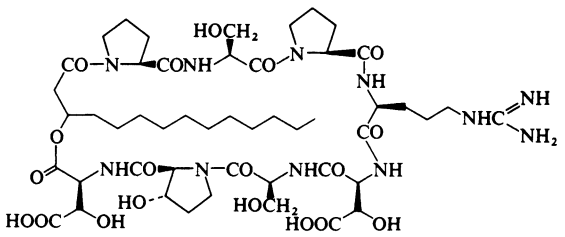
▷UR6493200.

Hayashi, T. *et al, Chem. Pharm. Bull.*, 1978, **26**, 3124 (*metab*)
Tanigawa, H. *et al, J. Toxicol. Sci.*, 1978, **3**, 69 (*tox*)
Takaya, M. *et al, J. Med. Chem.*, 1979, **22**, 53 (*synth, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19130.

Empedopeptin **E-00041**

BMY 28117. Bu 2517. Antibiotic BMY 28117. Antibiotic Bu 2517

[87551-98-2]



$C_{49}H_{79}N_{11}O_{19}$ M 1126.225

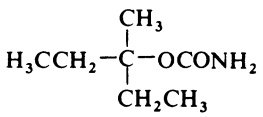
Depsipeptide antibiotic. Isol. from *Empedobacter haloabium*. Active against gram-positive bacteria. Amorph. solid + $5H_2O$. Mp 224-227° dec. $[\alpha]_D^{26}$ +9° (c, 1 in MeOH).

Konishi, M. *et al, J. Antibiot.*, 1984, **37**, 949, 958 (*isol, ir, pmr, struct*)

Emylcamate, BAN, INN **E-00042**

3-Methyl-3-pentanol carbamate, 9CI. 3-Methyl-3-pentyl carbamate. 1-Ethyl-1-methylpropyl carbamate. Diethylmethylcarbinolurethane. Nuncital. Restetal. Statran. Striatan. Striatran. 91 JD. KABI 925. MK 250

[78-28-4]



$C_7H_{15}NO_2$ M 145.201

Tranquilliser, muscle relaxant, appetite stimulant and animal growth stimulant. Needles (EtOH aq.) with camphoraceous odour. Sol. EtOH, Et_2O, C_6H_6, spar. sol. H_2O. Mp 56-58.5°. Bp_1 35°, $Bp_{0.7}$ 24°.

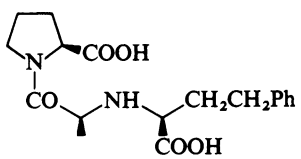
▷FA9625000.

Melander, B., *J. Med. Chem.*, 1959, **1**, 443 (*synth, pharmacol*)
B.P., 851 646, (*1960*); *CA*, **55**, 8776 (*synth*)
Swedish Pat., 206 884, (*1966*); *CA*, **67**, 108270 (*synth, pharmacol*)
Coutts, R.T., *J. Pharm. Sci.*, 1973, **62**, 769 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7039.

Enalaprilat, BAN, INN, USAN **E-00043**

1-[N-(1-Carboxy-3-phenylpropyl)-L-alanyl]-L-proline. MK-422

[76420-72-9]



$C_{18}H_{24}N_2O_5$ M 348.398

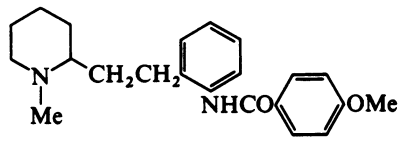
Antihypertensive agent (angiotensin-converting enzyme inhibitor). Cryst. + $\frac{1}{2}H_2O$. Mp 149-151° dec. $[\alpha]_D^{25}$ −67° (c, 2 in 0.1*M* HCl).

Et ester: [75847-73-3]. ***Enalapril, BAN, INN.***
$C_{20}H_{28}N_2O_5$ M 376.452
Antihypertensive agent.
Et ester, maleate: [76095-16-4]. *Enalapril maleate, USAN. MK-421. Dynef. Enapren. Lotrial. Naprilene. Reniten. 739-01D. Numerous proprietary names.* Cryst. (MeCN). Mp 143-144.5°. $[\alpha]_D^{25}$ −42.2° (c, 1 in MeOH).

Patchett, A.A. *et al, Nature (London)*, 1980, **288**, 280 (*synth, pharmacol*)
Davies, R.O. *et al, Br. J. Clin. Pharmacol.*, 1984, **18** (*Suppl. 2*), 215 (*pharmacol, rev*)
Wyvratt, M.J. *et al, J. Org. Chem.*, 1984, **49**, 2816 (*synth, cryst struct*)
Ip, D.P. *et al, Anal. Profiles Drug Subst.*, 1987, **16**, 207 (*rev, Enalapril*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5892 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12969, 16618.

Encainide, BAN, INN E-00044

4-Methoxy-N-[2-[2-(1-methyl-2-piperidinyl)ethyl]-phenyl]benzamide, 9CI. Enkade. Enkaid. MJ 9067-1
[37612-13-8]

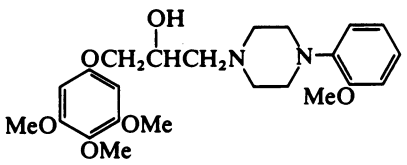


$C_{22}H_{28}N_2O_2$ M 352.475
(±)-form [66778-36-7]
Antiarrhythmic drug. Mp 131.5-132.5°.
B,HCl: Encainide hydrochloride, USAN.

Dykstra, S.J. *et al, J. Med. Chem.*, 1973, **16**, 1015 (*synth, pharmacol*)
Harrison, D.C. *et al, Am. J. Cardiol.*, 1986, **58**, part 5 (*revs*)
Brogden, R.N. *et al, Drugs*, 1987, **34**, 519 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7785.

Enciprazine, INN E-00045

4-(2-Methoxyphenyl)-α-[(3,4,5-trimethoxyphenoxy)-methyl]-1-piperazineethanol, 9CI

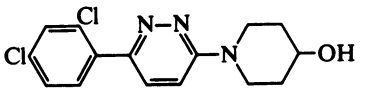


$C_{23}H_{32}N_2O_6$ M 432.516
(±)-form [68576-86-3]
Anxiolytic. Neuroleptic.
B,2HCl: [68576-88-5]. Cryst. (MeOH). Mp 196-197°.

U.S.P., 4 335 126, (*1982*); *CA*, **97**, 182455 (*synth, pharmacol*)
Benfenati, E. *et al, J. Pharm. Pharmacol.*, 1987, **39**, 312 (*metab*)

Endixaprine, INN E-00046

1-[6-(2,4-Dichlorophenyl)-3-pyridazinyl]-4-piperidinol, 9CI. Enditrigine. SR 41378
[93181-85-2]

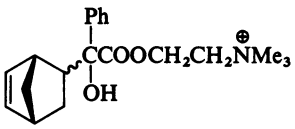


$C_{15}H_{15}Cl_2N_3O$ M 324.209
Anticonvulsant. Cryst. (EtOH). Mp 151-153°.

Hallot, A. *et al, J. Med. Chem.*, 1986, **29**, 369 (*synth, pharmacol*)
Perio, A. *et al, J. Pharmacol. Exp. Ther.*, 1986, **239**, 542 (*pharmacol*)
Santucci, V. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1986, **333**, 186 (*pharmacol*)

Endobenzyline(1+) E-00047

2-[[Hydroxyphenyl(tricyclo[2.2.1.0^{2,6}]hept-3-yl)-acetyl]oxy]-N,N,N-trimethylethanaminium

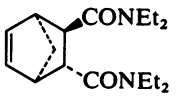


$C_{20}H_{28}NO_3^{\oplus}$ M 330.446 (ion)
Anticholinergic drug.
Bromide: [8058-76-2]. *Ulcyn. PC 1238.*
$C_{20}H_{28}BrNO_3$ M 410.350
Mp 170°.

B.P., 776 717, (*1957*); *CA*, **52**, 1243g (*synth, pharmacol*)
Back, K.C. *et al, Toxicol. Appl. Pharmacol.*, 1961, **3**, 411 (*pharmacol*)

Endomide, INN E-00048

N,N,N′,N′-*Tetraethylbicyclo[2.2.1]hept-5-ene-2,3-dicarboxamide, 9CI.* N,N,N′,N′-*Tetraethyl-5-norbornene-2,3-dicarboxamide, 8CI. Vasadol. Analeptan. K-509*
[4582-18-7]



(1α,2α,3β,4α)-*form*

$C_{17}H_{28}N_2O_2$ M 292.420
(1α,2α,3β,4α)-form
Analeptic. Cryst. Mp 84-85°.

Koch, H. *et al, Monatsh. Chem.*, 1963, **94**, 178 (*synth*)
U.S.P., 3 475 535, (*1969*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **24**, 234 (*phys props*)
Hana, G. *et al, Monatsh. Chem.*, 1975, **106**, 529 (*anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4599.

β-Endorphin E-00049

β-EP
[60617-12-1]

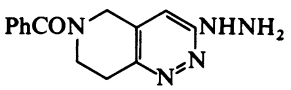
H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Ala-His-Lys-Lys-Gly-Gln-OH

Endogeneous morphine-like untriacontapeptides present in human, porcine, ovine and bovine pituitaries, with amino acid sequence identical to the 61-91 portion of their respective β-lipotropins. Struct. of sheep β-Endorphin shown.

β-Endorphin (human) [61214-51-5]
β-Endorphin (sheep), -27-L-tyrosine-31-L-glutamic acid. $β_h$-Endorphin. 61-91-β-Lipotropin (human)
$[α]_D^{20}$ −74° (c, 0.3 in 0.5M AcOH).

Bradbury, A.F. *et al*, *Biochem. Biophys. Res. Commun.*, 1976, **69**, 950 (*isol*)
Chrétien, M. *et al*, *Biochem. Biophys. Res. Commun.*, 1976, **72**, 472 (*isol*)
Li, C.H. *et al*, *Proc. Natl. Acad. Sci., USA*, 1976, **73**, 1145; *Biochem. Biophys. Res. Commun.*, 1976, **71**, 19; 1976, **72**, 1542; 1977, **77**, 1088; *J. Med. Chem.*, 1977, **20**, 325; *Ann. N.Y. Acad. Sci.*, 1977, **297**, 158 (*isol, struct, synth*)
Atherton, E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 819; 1978, 539 (*synth*)
Seidah, N.G. *et al*, *Biochem. Biophys. Res. Commun.*, 1977, **74**, 1528 (*struct*)
Kubota, M. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2139 (*synth*)
Yeung, H-W. *et al*, *Int. J. Pept. Protein Res.*, 1978, **12**, 42 (*synth*)
Nishimura, O. *et al*, *J. Chem. Res. (S)*, 1979, 352 (*synth*)
v. Nispen, J.W. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1980, **99**, 57 (*synth*)
Yamashiro, D. *et al*, *Int. J. Pept. Protein Res.*, 1980, **16**, 75 (*synth*)
DeBold, C.R. *et al*, *Science*, 1983, **220**, 721 (*cloning*)

Endralazine, BAN, INN **E-00050**
6-Benzoyl-5,6,7,8-tetrahydropyrido[4,3-c]pyridazine-3(2H)-one 3-hydrazone, 9CI
[39715-02-1]



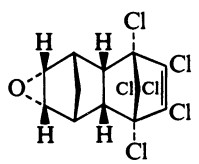
$C_{14}H_{15}N_5O$ M 269.305
Antihypertensive drug. Cryst. (MeCN aq.). Mp 220-223°.

B,MeSO₃H: [65322-72-7]. *Endralazine mesylate, USAN. Miretilan. BQ 22-708.* Mp 185-188° dec.

▷UV1152450.

Salzmann, R. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1843 (*pharmacol*)
Schenker, E. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1835 (*synth, pharmacol*)
Oates, H.F. *et al*, *Clin. Exp. Pharmacol. Physiol.*, 1981, **8**, 133 (*pharmacol*)
Meredith, P.A. *et al*, *Br. J. Clin. Pharmacol.*, 1983, **16**, 27.
Thien, T. *et al*, *Pharm. Weekbl.*, 1983, **118**, 941 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12688.

Endrin, BSI **E-00051**
3,4,5,6,9,9-Hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaph[2,3-b]oxirene, 9CI
[72-20-8]

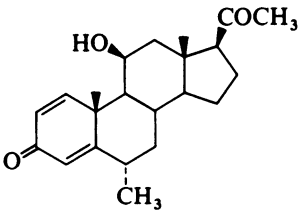


$C_{12}H_8Cl_6O$ M 380.913
Stereoisomeric with dieldrin. Has been found as a contaminant throughout the environment, including foodstuffs, fish, human milk, etc. An important and potent insecticide. Cryst. Sol. Me_2CO, C_6H_6, xylene, spar. sol. CCl_4, hexane. Mp 245° dec.

▷V. highly toxic orally and by skin absorption. TLV (skin) 0.1. IO1575000.

B.P., 714 688, (*1954*); *CA*, **50**, 401; *U.S.P.*, 2 705 236, (*1955*); *CA*, **50**, 2680 (*synth*)
Keith, L.H., *Tetrahedron Lett.*, 1971, 3 (*pmr*)
Biros, F.J. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 1161, 1171 (*ms*)
DeLacy, T.P. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 2153 (*cryst struct*)
Roberts, R.L. *et al*, *J. Agric. Food Chem.*, 1974, **22**, 542 (*cmr*)
Korte, F., *CA*, 1978, **89**, 209992 (*metab*)
Runhaar, E.A. *et al*, *Hum. Toxicol.*, 1985, **4**, 241 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18068.
Pesticide Manual, 6th Ed., 234.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 640.

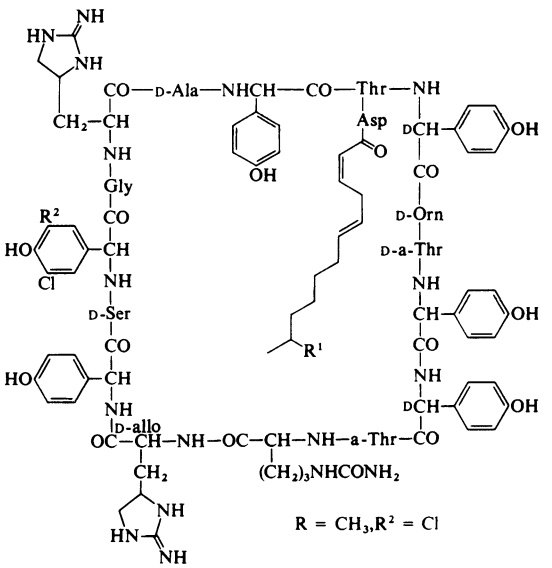
Endrysone, USAN **E-00052**
11β-Hydroxy-6α-methylpregna-1,4-diene-3,20-dione, 9CI. ***Endrisone, INN.*** *Aldrisone. Delta-Medryson*
[35100-44-8]



$C_{22}H_{30}O_3$ M 342.477
Topical and ophthalmic antiinflammatory agent.

Provenzano, P. *et al*, *CA*, 1973, **78**, 106338 (*pharmacol*)
de Ruggieri, P. *et al*, *Farmaco, Ed. Sci.*, 1976, **31**, 849 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12689.

Enduracidin *A* **E-00053**
[34438-27-2]



$C_{107}H_{138}Cl_2N_{26}O_{31}$ M 2355.329
Peptide antibiotic. Obt. from *Streptomyces fungicidicus*. Active against gram-positive bacteria and mycobacteria. Cryst. Enduracidin *C* and *D* isol. from same strain.

▷JZ4107100.

B,HCl: [33368-20-6]. Cryst. Mp 240-245° dec. $[α]_D^{23}$ +92° (c, 0.5 in DMF).

Mixt. with Enduracidin B: [11115-82-5]. ***Enramycin, INN, JAN.*** *Enradin.*

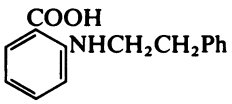
▷JZ4107000.

Japan. Pat., 70 17 158, (*1970*); *CA*, **73**, 123509 (*isol*)
Mizuno, K. *et al*, *Antimicrob. Agents Chemother.*, 1970, 6 (*isol, purifn*)
Hori, M. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 1171, 1175, 1184 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 75.

Enfenamic acid, INN **E-00054**

2-[(2-Phenylethyl)amino]benzoic acid, 9CI. N-*Phenethylanthranilic acid, 8CI. RH 8. Tromaril*

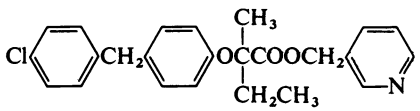
[23049-93-6]



$C_{15}H_{15}NO_2$ M 241.289
Antiinflammatory agent, CNS depressant.
▷DH6286100.
B,HCl: Cryst. (EtOH). Mp 114°.
Ger. Pat., 2 144 566, (*1972*); *CA*, **76**, 140258j (*synth*)
Arrya, V.P., *Drugs of Today*, 1981, **17**, 185 (*rev, pharmacol*)
Sadhna, S.V.V. *et al*, *Indian J. Med. Res.*, 1985, **81**, 621 (*metab*)

Eniclobrate, INN **E-00055**

3-Pyridylmethyl 2-[4-[(4-chlorophenyl)methyl]-phenoxy]-2-methylbutanoate, 9CI. 3-Pyridylmethyl 2-[[α-(p-chlorophenyl)-p-tolyl]oxy]-2-methylbutyrate

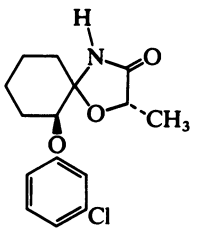


$C_{24}H_{24}ClNO_3$ M 409.912
(±)-***form*** [60662-18-2]
Anticholesteraemic agent.
B,HCl: [60662-17-1]. *Sgd 33374.* Cryst. (2-propanol). Mp 111-114°.
Thiele, K. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 711 (*synth, pharmacol*)
Gombar, V. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 7 (*pharmacol*)
Kritchevsky, D. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1469 (*pharmacol*)

Enilosperone, INN **E-00056**

6-(3-Chlorophenoxy)-2-methyl-1-oxa-4-azaspiro[4.5]-decan-3-one, 9CI. CERM 3726

[59798-73-1]

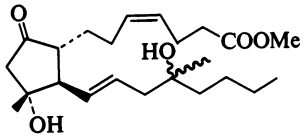


$C_{15}H_{18}ClNO_3$ M 295.765
Opt. isomers known. Psychostimulant. Mp 163°.
Ger. Pat., 2 542 154, (*1976*); *CA*, **85**, 46639y (*synth, pharmacol*)
Nicholson, A.N. *et al*, *Br. J. Clin. Pharmacol.*, 1981, **12**, 278 (*pharmacol*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 627 (*cryst struct*)

Enisoprost, USAN, INN **E-00057**

Methyl 11,16-dihydroxy-16-methyl-9-oxoprosta-4,13-dien-1-oate, 9CI. Methyl 3-hydroxy-2-[(4-hydroxy-4-methyl-1-octenyl)-5-oxocyclopentyl]-4-heptenoate. SC 34301

[81026-63-3]



$C_{22}H_{36}O_5$ M 380.523
Antiulcer agent. Oil.
U.S.P., 4 301 146, (*1981*); *CA*, 1982, **96**, 129782t (*synth*)
Collins, P.W. *et al*, *J. Med. Chem.*, 1983, **26**, 786 (*synth, pharmacol*)
Allan, L.M. *et al*, *Xenobiotica*, 1987, **17**, 1233 (*metab*)
Collins, P.W. *et al*, *Prostaglandins*, 1987, **33**, 17 (*pharmacol*)
Howden, C.W. *et al*, *Aliment. Pharmacol. Ther.*, 1987, **1**, 305; 1988, **2**, 325 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16621.

Enkephalins **E-00058**

[59141-40-1]

H-Tyr-Gly-Gly-Phe-X-OH
X = Met or Leu

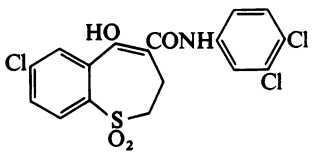
Pentapeptides isol. from several CNS and peripheral tissues. [Met^5]-enkephalin is derived from β-lipotropin (residues 61-65). Many syntheses described. Both peptides have antinociceptive activity but this is v. transient due to the rapid inactivation by enkephalinases. Hundreds of analogues have been prepared and evaluated as analgesics in the hope of finding a long-acting non-addictive material.

Hughes, J. *et al*, *Nature* (*London*), 1975, **258**, 277
Dhotre, B.J. *et al*, *J. Ind. Chem. Soc.*, 1978, **55**, 1128 (*synth*)
Beddell, C.R. *et al*, *Prog. Med. Chem.*, 1980, **17**, 1 (*rev*)
Coy, D.H. *et al*, *Pharm. Ther.*, 1980, **10**, 657.
Olson, R.D. *et al*, *Psychoendocrinology*, 1980, **5**, 47 (*rev*)
Tregear, T.W. *et al*, *Circ. Res.*, 1980, **46**, (*Suppl. 1*), 1 (*rev*)
Hill, R.C. *et al*, *Drug Ther.*, (*Elsevier*), 1982, 99 (*rev, pharmacol*)
Kambara, H. *et al*, *Org. Mass Spectrom.*, 1982, **17**, 67 (*ms*)
Vavrek, R.J. *et al*, *Life Sci.*, 1982, **31**, 2249 (*struct, biol activity*)
Doi, M. *et al*, *Pept. Chem.*, 1986, **24**, 131 (*cryst struct, Met^5-Enkephalin*)
Griffin, J.F. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1986, **83**, 3272 (*cryst struct, Leu^5-Enkephalin*)
Renugopalakrishnan, V. *et al*, *NIDA Res. Monogr.*, 1986, **69**, 332 (*conformn, ir, pmr*)
Kawasaki, K. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1044 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6201.

Enolicam, INN **E-00059**

7-Chloro-N-(3,4-dichlorophenyl)-2,3-dihydro-5-hydroxy-1-benzothiepin-4-carboxamide 1,1-dioxide, 9CI. 3',4',7-Trichloro-2,3-dihydro-5-hydroxy-1-benzothiepin-4-carboxanilide 1,1-dioxide

[59755-82-7]



$C_{17}H_{12}Cl_3NO_4S$ M 432.705

Antiinflammatory, antirheumatic agent. Mp 235-236°.

Na salt: [73574-69-3]. *Enolicam sodium, USAN. CGS 5391B.* Monohydrate.

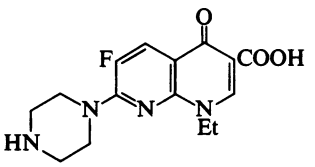
U.S.P., 4 185 109, (*1980*); *CA*, **93**, 46451 (*synth, pharmacol*)

Thompson, T.A. *et al, J. Liq. Chromatogr.*, 1981, **4**, 2015 (*hplc*)

Enoxacin, BAN, USAN, INN **E-00060**

1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-1,8-naphthyridine-3-carboxylic acid, 9CI. AT 2266. CI 919. PD 107779. Flumark. 1620 RB

[74011-58-8]



$C_{15}H_{17}FN_4O_3$ M 320.323

Antibacterial agent. Mp 246-248°.

Et ester: [74011-30-6].
$C_{17}H_{21}FN_4O_3$ M 348.376
Cryst. (EtOAc). Mp 150-151°.

Carlson, J.R. *et al, Antimicrob. Agents Chemother.*, 1983, **24**, 509 (*pharmacol*)

Nakamura, R. *et al, J. Chromatogr.*, 1983, **278**, 321 (*hplc*)

Matsumoto, J. *et al, J. Heterocycl. Chem.*, 1984, **21**, 673 (*synth, deriv, ir*)

Matsumoto, J. *et al, J. Med. Chem.*, 1984, **27**, 292 (*synth, pharmacol, tox*)

Miyamoto, T. *et al, Chem. Pharm. Bull.*, 1987, **35**, 2280 (*synth*)

Sanchez, J.P. *et al, J. Heterocycl. Chem.*, 1987, **24**, 215 (*synth*)

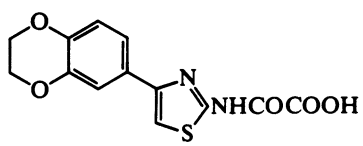
Henwood, J.M. *et al, Drugs*, 1988, **36**, 32 (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16623.

Enoxamast, INN **E-00061**

[[4-(2,3-Dihydro-1,4-benzodioxin-6-yl)-2-thiazolyl]-amino]oxoacetic acid, 9CI

[74604-76-5]



$C_{13}H_{10}N_2O_5S$ M 306.292

Antiallergic agent.

Ethanolamine salt: [74604-77-6]. *Enoxamast olamine. PRH 836 EA.* Cryst. (EtOH aq.). Mp 179-181°.

Et ester: [74604-66-3].
$C_{15}H_{14}N_2O_5S$ M 334.346
Cryst. ($CHCl_3$). Mp 204-207°.

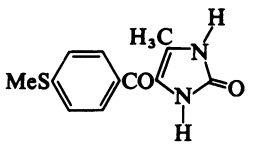
Hargrave, K.D. *et al, J. Med. Chem.*, 1983, **26**, 1158 (*synth, pharmacol*)

Cousse, H. *et al, Arzneim.-Forsch.*, 1986, **36**, 1391 (*synth, pharmacol*)

Enoximone, BAN, INN, USAN **E-00062**

1,3-Dihydro-4-methyl-5-[4-(methylthio)benzoyl]-2H-imidazol-2-one, 9CI. 4-Methyl-5-[4-(methylthio)-benzoyl]-4-imidazolin-2-one. MDL 17043. RMI 17043

[77671-31-9]



$C_{12}H_{12}N_2O_2S$ M 248.299

Cardiotonic agent. Cryst. (2-propanol). Mp 255-258° dec.

Belg. Pat., 883 856, (*1980*); *CA*, **94**, 208864h (*synth, pharmacol*)

Schnettler, R.A. *et al, J. Med. Chem.*, 1982, **25**, 1477 (*synth, pharmacol*)

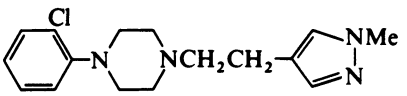
Dage, R.C. *et al, Am. J. Cardiol.*, 1987, **60**, 10C, 2K (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16805.

Enpiprazole, BAN, INN **E-00063**

1-(2-Chlorophenyl)-4-[2-(1-methyl-1H-pyrazol-4-yl)-ethyl]piperazine, 9CI

[31729-24-5]



$C_{16}H_{21}ClN_4$ M 304.822

Psychotropic, tranquilliser.

B,2HCl: [10502-58-6]. *H 3608.* Mp 223-225°.

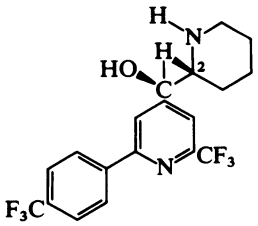
Netherlands Pat., 6 514 242, (*1966*); *CA*, **65**, 13722 (*synth, pharmacol*)

Murasaki, M. *et al, Psychopharmacology*, 1976, **49**, 271 (*pharmacol*)

Enpiroline, INN **E-00064**

α-(2-Piperidinyl)-2-(trifluoromethyl)-6-[4-(trifluoromethyl)phenyl]-4-pyridinemethanol, 9CI

[56648-98-7]



(1RS,2RS)-form

$C_{19}H_{18}F_6N_2O$ M 404.354

(1RS,2RS)-form [66364-73-6]
threo-(±)-*form. WR 180409*
Antimalarial agent. Cryst. (pet. ether). Mp 101-103°.
B,HCl: [50702-76-6]. Cryst. (MeCN). Mp 241-243°.
B,H_3PO_4: [66364-74-7]. *Enpiroline phosphate, USAN.*

(1RS,2SR)-form
erythro-(±)-*form*
Cryst. (Et_2O/pet. ether).
Mp 147-150°.

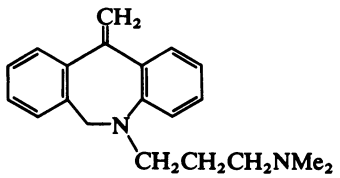
B,HCl: Cryst. (MeCN). Mp 172-174°.

LaMontagne, M.P. *et al, J. Med. Chem.*, 1974, **17**, 519 (*synth, pharmacol*)
Chung, H. *et al, Drug Metab. Dispos.*, 1978, **6**, 82 (*metab*)
Schmidt, L.H. *et al, Antimicrob. Agents Chemother.*, 1978, **14**, 420 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19137.

Enprazepine, INN **E-00065**

*6,11-Dihydro-*N,N*-dimethyl-11-methylene-5*H*-dibenz*[b,e]*azepine-5-propanamine, 9CI. 5-[3-(Dimethylamino)propyl]-5,6-dihydro-11-methylenemorphanthridine, 8CI*

[47206-15-5]



$C_{20}H_{24}N_2$ M 292.423
Antidepressant.

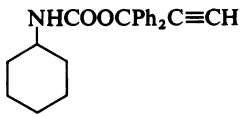
Maleate (1:1): [19545-18-7]. Mp 158-160°.

B.P., 1 105 230, (*1968*); *CA*, **69**, 43821 (*synth, props*)

Enpromate, USAN, INN **E-00066**

1,1-Diphenyl-2-propynyl cyclohexylcarbamate, 9CI. Lilly 59156. NSC 112682

[10087-89-5]



$C_{22}H_{23}NO_2$ M 333.429
Antineoplastic agent. Mp 160-161°.

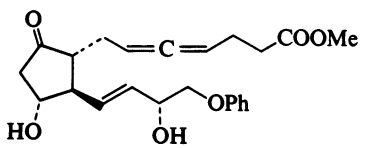
▷GU7175000.

Dillard, R.D. *et al, J. Med. Chem.*, 1966, **10**, 40 (*synth, pharmacol*)

Enprostil, USAN, INN **E-00067**

Methyl 7-[3-hydroxy-2-(3-hydroxy-4-phenoxy-1-butenyl)-5-oxocyclopentyl]-4,5-heptadienoate, 9CI. Methyl 11,15-dihydroxy-9-oxo-16-phenoxy-17,18,19,20-tetranorprosta-4,5,13-trienoate. Gardrin. Syngard. RS 84135

[73121-56-9]



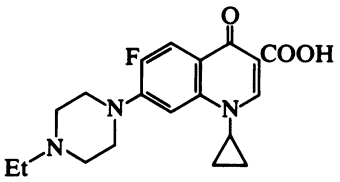
$C_{23}H_{28}O_6$ M 400.471
Antiulcer agent. Gastric secretion inhibitor.

U.S.P., 4 178 457, (*1979*); *CA*, **92**, 146339p (*synth, pharmacol*)
Cohen, M.M. *et al, Gastroenterology*, 1985, **88**, 382 (*pharmacol*)
Thomson, A.B.R., Ed., *Am. J. Med.*, 1986, **81**, Part 2A (*book, pharmacol*)
Goa, K.L. *et al, Drugs*, 1987, **34**, 539 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16628.

Enrofloxacin, INN, BAN **E-00068**

1-Cyclopropyl-7-(4-ethyl-1-piperazinyl)-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, 9CI. Baytril. Bay VP 2674

[93106-60-6]



$C_{19}H_{22}FN_3O_3$ M 359.400
Vet. antibacterial agent. Mp 219-221°.

B,HCl: Mp 334-336° dec.

Altreuther, P., *Vet. Med. Res.*, 1987, 87 (*rev, pharmacol, tox*)
Grohe, K. *et al, Justus Liebigs Ann. Chem.*, 1987, 29 (*synth*)
Scheer, M., *Vet. Med. Res.*, 1987, 104 (*pharmacol*)

Entsufon, INN **E-00069**

2-[2-[2-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]ethoxy]-ethoxy]ethanesulfonic acid, 9CI

[55837-16-6]

$(H_3C)_3CCH_2C(CH_3)_2PhO(CH_2CH_2O)_2CH_2CH_2SO_3H$

$C_{20}H_{34}O_6S$ M 402.545
Detergent.

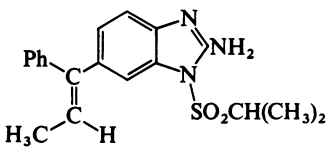
Na salt: [2917-94-4]. *Entsufon sodium, USAN, INN.* Component of pHisoHex.

U.S.P., 2 535 677, (*1950*); *CA*, **45**, 3408c (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3541.

Enviradene, USAN, INN **E-00070**

1-[(1-Methylethyl)sulfonyl]-6-(1-phenyl-1-propenyl)-1H-benzimidazol-2-amine, 9CI. 2-Amino-1-(isopropylsulfonyl)-6-(1-phenylpropenyl)benzimidazole. LY 127123

[66334-86-9]



$C_{19}H_{21}N_3O_2S$ M 355.454
(E)-form [80883-55-2]
Antiviral agent.

U.S.P., 4 118 742, (*1977*); *CA*, **88**, 170148p (*synth*)
Herrmann, E.C. *et al, Antiviral Res.*, 1981, **1**, 301 (*pharmacol*)

Epanolol, BAN, INN **E-00071**

N-*[2-[[3-(2-Cyanophenoxy)-2-hydroxypropyl]amino]-ethyl]-4-hydroxybenzeneacetamide, 9CI.* N-*[2-(3-Cyanophenoxy-2-hydroxypropylamino)ethyl]-2-(4-hydroxyphenyl)acetamide. Visacor. ICI 141292*

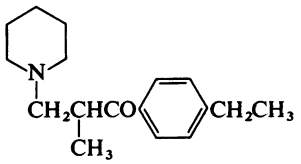


$C_{20}H_{23}N_3O_4$ M 369.419

(±)-form [86880-51-5]
β-Adrenergic blocking agent (antiarrhythmic).
Smith, H.J. *et al, J. Pharmacol. Exp. Ther.*, 1983, **226**, 211 (*pharmacol*)
Pringle, T.H. *et al, Br. J. Clin. Pharmacol.*, 1986, **21**, 249 (*pharmacol*)
Ger. Pat., 3 544 172, (*1987*); *CA*, **107**, 242599x (*synth, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18637.

Eperisone, INN E-00072

1-(4-Ethylphenyl)-2-methyl-3-(1-piperidinyl)-1-propanone, 9CI. 4'-Ethyl-2-methyl-3-piperidinopropiophenone
[64840-90-0]

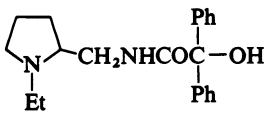


$C_{17}H_{25}NO$ M 259.391
▷UH1755000.

(±)-form
Spasmolytic agent, skeletal muscle relaxant.
B,HCl: [56839-43-1]. *EMPP. Myonal. E 0646.* Needles (2-propanol). Mp 170-172°.
Ger. Pat., 2 458 638, (*1975*); *CA*, **83**, 164000q (*synth, pharmacol, deriv*)
Japan. Pat., 77 85 175, (*1977*); *CA*, **88**, 6733e (*synth, pharmacol*)
Fujioka, M. *et al, J. Pharmacol. Exp. Ther.*, 1985, **235**, 757 (*pharmacol*)
Noma, S. *et al, Jpn. J. Pharmacol.*, 1986, **40**, 283 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16629.

Epicainide, INN E-00073

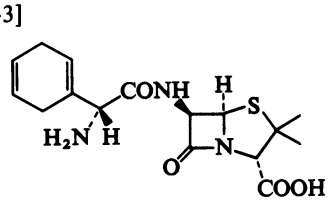
N-[(*1-Ethyl-2-pyrrolidinyl)methyl]benzilamide, 8CI*
[66304-03-8]



$C_{21}H_{26}N_2O_2$ M 338.449
Antiarrhythmic agent.
B,HCl: F 1427. Cryst. (Et_2O). Mp 183°.
Ger. Pat., 2 634 191, (*1977*); *CA*, **87**, 5800 (*synth, pharmacol*)

Epicillin, USAN, INN, BAN E-00074

Dihydroampicillin. Decidal. Dexacillin. Dex-Cillin. Epimicil. Florispec. Omnisan. Praxicillin. Spectacillin. Variplex. SQ 11302. Antibiotic SQ 11302
[26774-90-3]

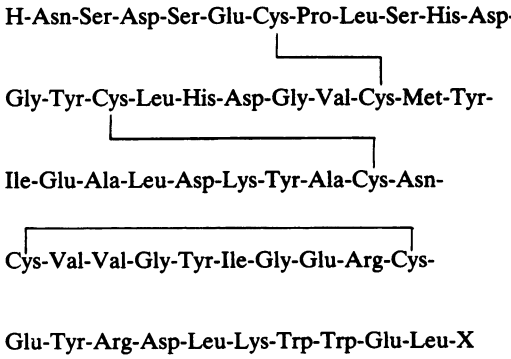


$C_{16}H_{21}N_3O_4S$ M 351.420
Semisynthetic penicillin. Active against gram-positive and -negative bacteria. Hemihydrate. Mp 202° dec.
▷XH8215000.

Dolfini, J.E. *et al, J. Med. Chem.*, 1971, **14**, 117 (*synth*)
Mueller, M.D. *et al, Anal. Chim. Acta*, 1978, **100**, 263 (*ms*)
Hendrickx, S. *et al, J. Chromatogr.*, 1984, **291**, 211.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 76.

Epidermal growth factor E-00075

Urogastrone. Homogarol. Supergastrone. Ugaron. EGF
[62229-50-9]



β-form X = Arg-OH
γ-form X = OH

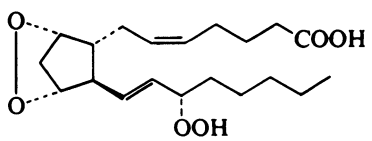
Used to treat burns and ulcers. Inhibitory factor of gastric secretion derived from human urine.

β-form [62253-63-8]
β-*Urogastrone (human)*
$C_{259}H_{385}N_{71}O_{82}S_7$ M 6029.737

γ-form [62253-61-6]
γ-*Urogastrone (human)*
$C_{253}H_{373}N_{67}O_{81}S_7$ M 5873.550

Hagiwara, D. *et al, Pept. Chem.*, 1984, **22**, 27 (*synth*)
Cohen, S., *Angew. Chem., Int. Ed. Engl.*, 1987, **26**, 717 (*rev*)
Cooke, R.M. *et al, Nature (London)*, 1987, **327**, 339 (*pmr, struct*)
Gill, G.N. *et al, Mol. Cell. Endocrinol.*, 1987, **51**, 169 (*rev*)
Konturek, S.J., *Scand. J. Gastroenterol.*, 1988, **23**, 129 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 709.

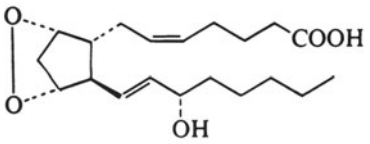
9,11-Epidioxy-15-hydroperoxy-5,13-prostadienoic acid, 9CI E-00076



$C_{20}H_{32}O_6$ M 368.469

(5Z,9S,11R,13E,15S)-form [51982-36-6]
PGG_2
Induces *in vitro* contraction of rabbit aorta and blood platelet aggregation. More active than PGE_2.
Hamberg, H. *et al, Proc. Natl. Acad. Sci. U.S.A.*, 1973, **70**, 899.
Nugteren, D.H. *et al, Biochem. Biophys. Acta*, 1973, **326**, 448 (*isol*)
Hamberg, M. *et al, Proc. Natl. Acad. Sci. U.S.A.*, 1974, **71**, 3451 (*isol, struct*)
Ubatuba, F.B. *et al, Prostaglandins*, 1977, **13**, 1055 (*synth*)

9,11-Epidioxy-15-hydroxy-5,13-prostadienoic acid, 9CI **E-00077**



$C_{20}H_{32}O_5$ M 352.470

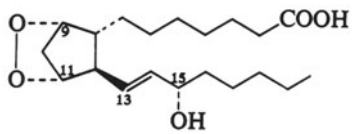
(5Z,9S,11R,13E,15S)-form [42935-17-1]

PGH_2. PGR_2

Induces *in vitro* contraction of rabbit aorta and blood platelet aggregation. More active than PGE_2.

Nugteren, D.H. *et al*, *Biochim. Biophys. Acta*, 1973, **326**, 448.
Hamberg, M. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1974, **71**, 345 (*isol, struct*)
Gorman, R.R. *et al*, *Prostaglandins*, 1977, **13**, 1043 (*ms, pmr, ir*)
Porter, N.A. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 4319 (*synth, cmr*)

9,11-Epidioxy-15-hydroxy-13-prosten-1-oic acid, 9CI **E-00078**



$C_{20}H_{34}O_5$ M 354.486

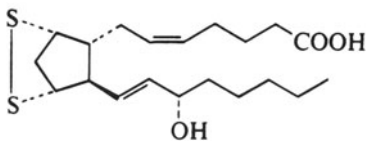
(9S,11R,13E,15S)-form

PGH_1

Formed by enzymes of seminal vesicles. Induces contraction of bovine coronary strips.

Needleman, P. *et al*, *Science*, 1976, **193**, 163 (*biosynth*)
Gorman, R.R. *et al*, *Prostaglandins*, 1977, **13**, 1043 (*synth, ms, ir*)

9,11-Epidithio-15-hydroxy-5,13-prostadienoic acid **E-00079**



$C_{20}H_{32}O_3S_2$ M 384.591

(5Z,9S,11R,13E,15S)-form

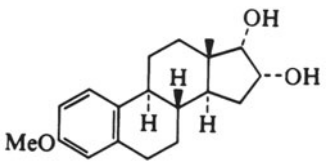
Me ester: [61955-22-4]. Induces blood platelet aggregation. Pale-yellow oil. $[\alpha]_D^{18}$ +3.6° (c, 0.6 in $CHCl_3$).

Miyake, H. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 3536 (*synth*)
Greene, A.E. *et al*, *J. Org. Chem.*, 1978, **43**, 4377 (*synth, pmr, ir, ms, cd*)

Epimestrol, BAN, INN, USAN **E-00080**

3-Methoxyestra-1,3,5(10)-triene-16α,17α-diol, 9CI, 8CI. Alene. Stimoval. NSC 55975. Org 817

[7004-98-0]



$C_{19}H_{26}O_3$ M 302.413

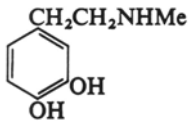
Oestrogen. Anterior pituitary activator. Cryst. (Me_2CO/heptane). Mp 158-160°. $[\alpha]_D^{20}$ +48° ($CHCl_3$).

Caglioti, L. *et al*, *Tetrahedron*, 1963, **19**, 1127 (*synth*)
Falkay, G. *et al*, *Acta Pharm. Hung.*, 1973, **43**, 1 (*ir*)
Sas, M. *et al*, *Endokrinologie*, 1973, **62**, 69 (*pharmacol*)
Wittstruck, T.A. *et al*, *J. Org. Chem.*, 1973, **38**, 1542 (*pmr*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1977, **13**, 191 (*rev*)
Engelhardt, G. *et al*, *Org. Magn. Reson.*, 1979, **12**, 628 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12693.

Epinine **E-00081**

4-[2-(Methylamino)ethyl]-1,2-benzenediol, 9CI. 4-[2-(Methylamino)ethyl]pyrocatechol, 8CI. 4-(β-Methylaminoethyl)catechol. N*-Methyl-2-(3,4-dihydroxyphenyl)ethylamine. Deoxyadrenaline. Deoxyepinephrine.* N*-Methyldopamine*

[501-15-5]



$C_9H_{13}NO_2$ M 167.207

Alkaloid from *Cytisus scoparius, Vicia faba* and *Lophophora williamsii* (Leguminosae, Cactaceae). Adrenergic, vasoconstrictor. Cryst. (EtOH). Mp 188-189°.

B,HCl: [62-32-8]. Prisms (H_2O). Mp 179-180°.

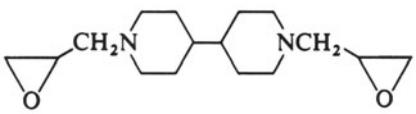
▷UX1925000.

Pyman, F.L., *J. Chem. Soc.*, 1909, 95, 1266, 1610 (*synth*)
Buck, J.S., *J. Am. Chem. Soc.*, 1930, **52**, 4119 (*synth*)
Bretschneider, H., *Monatsh. Chem.*, 1947, **76**, 335 (*synth*)
Dewhurst, W.G. *et al*, *Br. J. Pharmacol.*, 1965, **25**, 682 (*pharmacol*)
Path, P.N. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **155**, 1 (*pharmacol*)
Tocher, R.D. *et al*, *Phytochemistry*, 1972, **11**, 1161 (*isol*)
Borgman, R.J. *et al*, *J. Med. Chem.*, 1973, **16**, 630 (*synth*)
Giesecke, J., *Acta Crystallogr., Sect. B*, 1976, **32**, 2337 (*cryst struct*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*rev, occur*)

Epipropidine, USAN, INN **E-00082**

1,1′-Bis(oxiranylmethyl)-4,4′-bipiperidine, 9CI. 1,1′-Bis(2,3-epoxypropyl)-4,4′-bipiperidine, 8CI. Epoxypropidine. Eponate. Lilly 28002. NSC 56308

[5696-17-3]



$C_{16}H_{28}N_2O_2$ M 280.409

Antineoplastic agent. Sol. H_2O. Mp 96-98°.

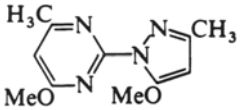
▷DW0900000.

Gerzon, K. *et al*, *J. Med. Chem.*, 1959, **1**, 223 (*synth, pharmacol*)
Abraham, D. *et al*, *Biochem. Pharmacol.*, 1967, **16**, 665 (*pharmacol*)

Epirizole, USAN, INN **E-00083**

*4-Methoxy-2-(5-methoxy-3-methyl-1*H*-pyrazol-1-yl)-6-methylpyrimidine, 9CI, 8CI.* **Mepirizole, JAN.** *Methopyrimazole. Other proprietary names*

[18694-40-1]



$C_{11}H_{14}N_4O_2$ M 234.257

Analgesic, antiinflammatory agent. Cryst. (isopropyl ether). Mp 90-92°.

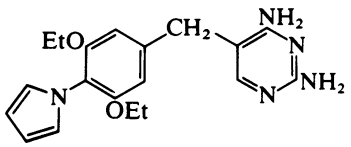
▷UV9290000.

Naito, T. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 1467 (*synth*)
Oshima, Y. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 1492 (*pharmacol*)
Sano, M. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 209 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2008 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2640.

Epiroprim, INN E-00084

5-[[3,5-Diethoxy-4-(1H-pyrrol-1-yl)phenyl]methyl]-2,4-pyridinediamine, 9CI. 2,4-Diamino-5-(3,5-diethoxy-4-pyrrol-1-ylbenzyl)pyrimidine. Ro 11-8958

[73090-70-7]



$C_{19}H_{23}N_5O_2$ M 353.423

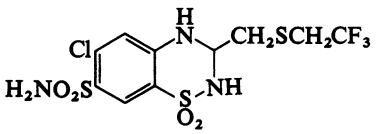
Antibacterial agent (dihydrofolate reductase inhibitor). Mp 173-175°. pK_a 7.00.

Kompis, I. *et al*, *Enzyme Inhibitors*, Brodbeck, U. (*Ed.*), Verlag Chem., Weinheim, 1980, 177 (*book*)
Seiler, P. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 711 (*props*)
Then, R.L. *et al*, *Rev. Infect. Dis.*, 1982, **4**, 372.

Epithiazide, BAN, USAN E-00085

6-Chloro-3,4-dihydro-3-[[(2,2,2-trifluoroethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Epitizide, INN. Flurèse. Thiaver. NSC 108164. P 2105

[1764-85-8]



$C_{10}H_{11}ClF_3N_3O_4S_3$ M 425.843

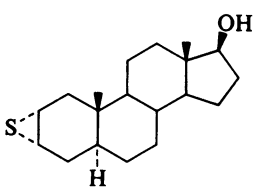
(±)-form

Antihypertensive, diuretic. Cryst. (Me_2CO/C_6H_6). Mp 206-207°.

U.S.P., 3 009 911, (*1961*); *CA*, **56**, 5987 (*synth*)
Wiseman, E.H. *et al*, *Biochem. Pharmacol.*, 1962, **11**, 881 (*metab*)
Blaschke, G. *et al*, *J. Pharm. Sci.*, 1985, **74**, 438 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2327.

2,3-Epithioandrostan-17-ol, 9CI E-00086

***Epitiostanol, INN**. Thiodrol. 10275 S*



$C_{19}H_{30}OS$ M 306.505

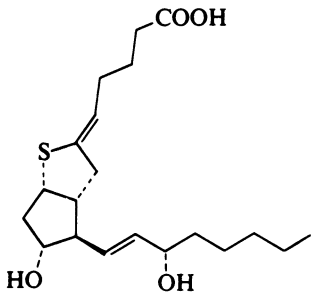
(2α,3α,5α,17β)-form [2363-58-8]

Antineoplastic agent; anabolic agent. Antioestrogen. Cryst. (Me_2CO). Mp 127-128°. $[\alpha]_D^{27.5}$ +25.4°.

▷Teratogenic. KC1035000.

Takeda, K. *et al*, *Tetrahedron*, 1965, **21**, 329; 1966, **22**, 1039 (*synth, cd*)
Klimstra, P.D. *et al*, *J. Med. Chem.*, 1966, **9**, 693 (*synth, pharmacol*)
Anon., *Drugs of Today*, 1978, **14**, 274 (*rev, pharmacol, tox*)
Hori, T. *et al*, *Prog. Cancer Res. Ther.*, 1978, **10**, 159 (*rev, pharmacol, tox, metab*)
Li, Z. *et al*, *CA*, 1984, **100**, 139450 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12694.

6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid E-00087



$C_{20}H_{30}O_4S$ M 366.515

(5Z,9S,11R,13E,15S)-form [64868-63-9]

6,9-Thiaprostacyclin. PGI_2-S. $TPGI_2$

Sulphur analogue of Prostacyclin. Inhibits blood platelet aggregation and is a potent vasoconstrictor. Antihypertensive agent. Oil.

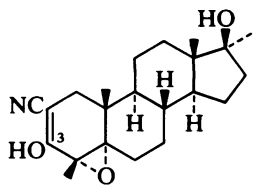
Me ester: Oil. $[\alpha]_D^{25}$ +58.4° (c, 0.011 in MeOH).

Shibasaki, M. *et al*, *Tetrahedron Lett.*, 1978, 559 (*synth, ir, pmr, ms*)
Shimoji, K. *et al*, *Chem. Lett.*, 1978, 1375 (*synth*)
Lefer, A.M. *et al*, *Life Sci.*, 1979, **25**, 259 (*pharmacol*)
Nicolaou, K.C. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 3472 (*synth, pmr*)
Yokomori, H. *et al*, *Heterocycles*, 1982, **18** (*Spec. Issue*), 251 (*synth*)

Epostane, INN, BAN, USAN E-00088

4,5-Epoxy-3,17-dihydroxy-4,17-dimethylandrost-2-ene-2-carbonitrile, 9CI. Win 32729

[80471-63-2]



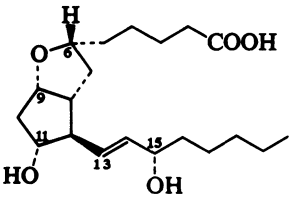
$C_{22}H_{31}NO_3$ M 357.492

Probably tautom. at 3-position as keto-enol forms. Contraceptive, oxytocic agent. Cryst. (DMF aq.). Mp 191-194°.

Christianson, R.G. *et al*, *J. Med. Chem.*, 1984, **27**, 928 (*synth, pharmacol*)
Birgerson, L. *et al*, *Contraception*, 1986, **33**, 401 (*pharmacol*)
Lopez Bernal, A. *et al*, *Horm. Metab. Res.*, 1986, **18**, 503 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19144.

6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid, 9CI E-00089

5,6-Dihydroprostacyclin



(6*R*,9*S*,11*R*,13*E*,15*S*)-form

$C_{20}H_{34}O_5$ M 354.486

(6*R*,9*S*,11*R*,13*E*,15*S*)-form [62777-90-6]
Synthetic stable analogue of PGI_2 which inhibits blood platelet aggregation. Mp 97-99°.

Me ester: Silky needles. Mp 71-73°. $[\alpha]_D$ +13° (c, 0.8245 in $CHCl_3$).

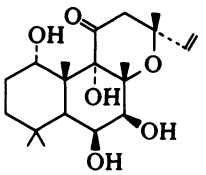
(6*S*,9*S*,11*R*,13*E*,15*S*)-form [62770-50-7]
Stable synthetic analogue of PGI_2 which inhibits blood platelet aggregation. Mp 78-81°.

Me ester: [63557-52-8]. Mp 43°. $[\alpha]_D$ +23° (c, 0.8715 in $CHCl_3$).

Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 2006 (*synth*)
Johnson, R.A. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 4182; 1978, **100**, 7690 (*synth, pmr*)

8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one E-00090

[66428-84-0]



$C_{20}H_{32}O_6$ M 368.469

(1α,6β,7β,8α,9α,13*R*)-form [64657-20-1]
Constit. of *Coleus forskohlii*. Cryst. Mp 177-180°.

6-Ac: [64657-21-2]. **Coleonol B**.
$C_{22}H_{34}O_7$ M 410.506
Constit. of *C. forskohlii*. Cryst. Mp 208-210°.

7-Ac: [66575-29-9]. *Coleonol. Forskolin.* ***Colforsin, USAN***.
$C_{22}H_{34}O_7$ M 410.506
Constit. of *C. forskohlii*. Antihypertensive agent used to treat glaucoma. Cryst. Mp 230-232°. $[\alpha]_D^{25}$ −26.2° (c, 1.68 in $CHCl_3$).

(1α,6β,7α,9α,13*S*)-form

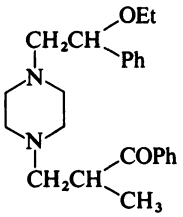
6-Ac: [67921-06-6]. **Coleonol C**. From *C. forskohlii*. Cryst. (Me_2CO/hexane). Mp 205-206°. $[\alpha]_D$ −6.7° (c, 1 in $CHCl_3$).

Bhat, S.V. *et al*, *Tetrahedron Lett.*, 1977, 1669 (*isol*)
Tandon, J.S. *et al*, *Indian J. Chem., Sect. B*, 1977, **15**, 880; 1978, **16**, 341.
Lindner, E. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 284; 1983, **33**, 1436 (*pharmacol*)
De Souza, N.J. *et al*, *Med. Res. Rev.*, 1983, **3**, 201 (*rev, pharmacol*)
Ramakumar, S. *et al*, *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1985, **173**, 81 (*cryst struct*)
Saksena, A.K. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 1748 (*synth, bibl*)
Saksena, A.K. *et al*, *Tetrahedron Lett.*, 1985, **26**, 551 (*struct, coleonol B, bibl*)
Lichey, J. *et al*, *Drugs of The Future*, 1986, **11**, 59 (*pharmacol*)
Prakash, O. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1986, 1779 (*pmr, cmr, config, Colforsin*)
Hrib, N.J. *et al*, *Tetrahedron Lett.*, 1987, **28**, 19 (*synth, Colforsin*)
Ziegler, F. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 8115 (*synth, Colforsin*)
Hashimoto, S. *et al*, *J. Am. Chem. Soc.*, 1988, **110**, 3670 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16542.

Eprazinone, INN E-00091

3-[4-(2-Ethoxy-2-phenylethyl)-1-piperazinyl]-2-methyl-1-phenyl-1-propanone, 9CI. 3-[4-(β-Ethoxyphenethyl)-1-piperazinyl]-2-methylpropiophenone, 8CI. CERM 746. CG-B6K

[10402-90-1]



$C_{24}H_{32}N_2O_2$ M 380.529
Antitussive, expectorant, mucolytic agent.

B,2HCl: [10402-53-6]. *Eftapan. Isilung. Mucitux. Mukolen. Resplene. Vlenalite. Vopop.* Mp 203-206° (anhydr.).

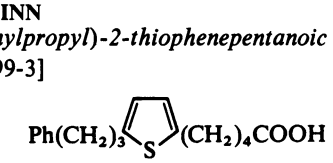
▷UH1599500.

Netherlands Pat., 6 602 581, (*1966*); *CA*, **66**, 55520 (*synth*)
Vacher, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **165**, 1 (*pharmacol*)
Toffel-Nadolny, P. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 719 (*metab*)
Vejdeleḱ, Z. *et al*, *Collect. Czech. Chem. Commun.*, 1983, **48**, 2977 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12696.

Eprovafen, INN E-00092

5-(3-Phenylpropyl)-2-thiophenepentanoic acid, 9CI

[101335-99-3]



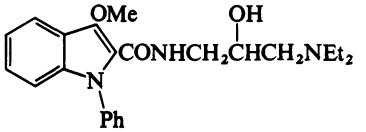
$C_{18}H_{22}O_2S$ M 302.431
Inflammation inhibitor.

Ger. Pat., 3 407 510, (*1985*); *CA*, **104**, 148724a (*synth, pharmacol*)

Eproxindine, INN E-00093

N-[3-(Diethylamino)-2-hydroxypropyl]-3-methoxy-1-phenyl-1H-indole-2-carboxamide, 9CI

[85793-29-9]



$C_{23}H_{29}N_3O_3$ M 395.500

(±)-form [83200-08-2]
Antiarrhythmic agent. Oil.

B,HCl: [85793-72-2]. *KC 3791.* Mp 148-150°.

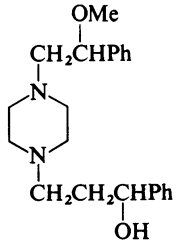
Eur. Pat., 71 935, (*1983*); *CA*, **98**, 215481s (*synth, pharmacol*)
Zaborovskaya, L.D. *et al*, *Gen. Physiol. Biophys.*, 1984, **3**, 517; 1986, **5**, 605 (*pharmacol*)

Dahmen, W. *et al*, *J. Chromatogr.*, 1988, **427**, 157 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16633.

Eprozinol, INN E-00094

4-(2-Methoxy-2-phenylethyl)-α-phenyl-1-piperazinepropanol, 9CI. 4-(β-Methoxyphenethyl)-α-phenyl-1-piperazinepropanol, 8CI

[32665-36-4]



$C_{22}H_{30}N_2O_2$ M 354.491

Antiasthmatic, antitussive, bronchodilator.

▷TM2674500.

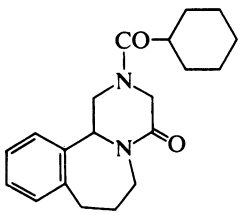
B,2HCl: [27588-43-8]. *Alecor. Brovel. Eupneron. Nadyl.* Mp 164°. Polymorphic. LD_{50} 370 mg/kg, p.o. in mice.

▷TM2675000.

B.P., 1 188 505, (*1970*); *CA*, **72**, 132782c (*synth, pharmacol, tox*)
Duchene-Marullaz, P. *et al*, *Therapie*, 1971, **26**, 155, 163 (*pharmacol*)
Labrid, B. *et al*, *Pharmacology*, 1981, **23**, 31, 48 (*pharmacol*)
Nebuloni, M. *et al*, *Farmaco, Ed. Sci.*, 1984, **39**, 353 (*polymorphism*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12697.

Epsiprantel, BAN E-00095

2-(Cyclohexylcarbonyl)-2,3,6,7,8,12b-hexahydropyrazino[2,1-a][2]benzazepin-4(1H)-one, 9CI. BRL 38705



$C_{20}H_{26}N_2O_2$ M 326.438

(±)-form [98123-83-2]

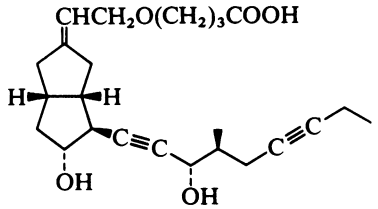
Anthelmintic. Cryst. ($CHCl_3$/pet. ether). Mp 187-190°.

Eur. Pat., 187 012, (*1986*); *CA*, **105**, 158829 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2490.

Eptaloprost, INN E-00096

4-[2-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1,6-nonadiynyl)-2(1H)-pentalenylidene]ethoxy]-butanoic acid, 9CI. ZK 97959

[90693-76-8]



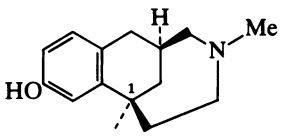
$C_{24}H_{34}O_5$ M 402.530

Prostaglandin.

Ger. Pat., 3 226 550, (*1984*); *CA*, **101**, 38261 (*synth*)

Eptazocine, INN E-00097

2,3,4,5,6,7-Hexahydro-1,4-dimethyl-1,6-methano-1H-4-benzazonin-10-ol, 9CI



(1*S*)-*form*

$C_{15}H_{21}NO$ M 231.337

Narcotic analgesic. Numerous refs. to pharmacology in Japanese lit.

(1*S*)-form [72522-13-5]

Mp 249-252°. $[\alpha]_D^{20}$ −21.8° (c, 2 in 1M HCl).

B,HBr: [72150-17-5]. *Sedapain. ST 2121.* Cryst. (MeOH). Mp 266-267°. $[\alpha]_D^{20}$ −15° (c, 5 in H_2O).

▷PB9082000.

(±)-form [72074-70-5]

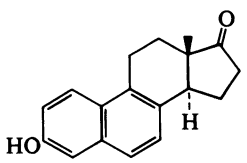
B,HBr: [74561-23-2]. Cryst. (EtOH). Mp 245-252°.

Shiotani, S. *et al*, *J. Med. Chem.*, 1976, **19**, 803; 1979, **22**, 1558 (*synth, resoln, pharmacol*)
Aceto, M.D. *et al*, *Jpn. J. Pharmacol.*, 1985, **39**, 7 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12698.

Equilenin E-00098

3-Hydroxyestra-1,3,5,7,9-pentaen-17-one, 9CI

[517-09-9]



(+)-*form*
Absolute configuration

$C_{18}H_{18}O_2$ M 266.339

▷Exp. neoplastic agent. KG6125000.

(+)-form

Constit. of urine of pregnant mares. Oestrogen. Cryst. (EtOH aq.). Mp 258-259° (250-251°). $[\alpha]_D^{16}$ +87° (dioxan). Mp in open tubes variable due to oxidn.

Ac: [6030-91-7].
$C_{20}H_{20}O_3$ M 308.376
Mp 156-157°.

Benzoyl: [604-58-0]. Mp 222-223°.

▷KD7175000.

Oxime:
$C_{18}H_{19}NO_2$ M 281.354

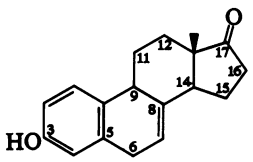
Mp 249-250°.
Semicarbazone: Mp 268°.

(±)-*form*
Mp 276-278°.
Ac: Mp 159.5-160°.
Benzoyl: Mp 248.5-249.5°.

Ohrt, J.M. *et al*, *Acta Crystallogr.*, 1967, **23**, 1100 (*cryst struct*)
Birch, A.J. *et al*, *Aust. J. Chem.*, 1970, **23**, 547 (*synth*)
Stein, R.P. *et al*, *Tetrahedron*, 1970, **26**, 1917 (*synth*)
ApSimon, J. *The Chemistry of Natural Products*, 1973, **2**, 642 (*rev*)
Bhavnani, B.R. *et al*, *Endocrinology*, 1973, **92**, 1397 (*biosynth*)
Cohen, N. *et al*, *J. Org. Chem.*, 1975, **40**, 681 (*synth*)
Zaretskii, Z.V.I. *et al*, *Org. Mass Spectrom.*, 1978, **13**, 59 (*ms*)
Daniewski, A.R. *et al*, *Tetrahedron Lett.*, 1982, **23**, 2411 (*synth*)
Narasimhan, N.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 1435 (*synth*)
Lecker, S.H. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 856 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 643.

Equilin E-00099

3-Hydroxyestra-1,3,5(10),7-tetraen-17-one, 9CI
[474-86-2]



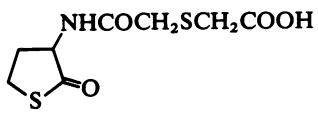
$C_{18}H_{20}O_2$ M 268.355
Isol. from urine of pregnant mares. Oestrogen. Cryst. (EtOAc). Mp 238-240°. $[\alpha]_D^{25}$ +325° (c, 2 in EtOH), $[\alpha]_D$ +308° ($CHCl_3$).

▷Exp. carcinogen. KG6650000.

Stein, R.P. *et al*, *Tetrahedron*, 1970, **26**, 1917 (*synth, bibl*)
ApSimon, J., *The Chemistry of Natural Products*, 1973, **2**, 664 (*rev*)
Bhavnani, B.R. *et al*, *Endocrinology*, 1973, **92**, 1397 (*biosynth*)
Bhavnani, B.R. *et al*, *J. Steroid Biochem.*, 1982, **17**, 217 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18357.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 643.

Erdosteine, INN E-00100

[[2-Oxo-2-[(tetrahydro-2-oxo-3-thienyl)amino]ethyl]-thio]acetic acid, 9CI. *PV144*
[84611-23-4]



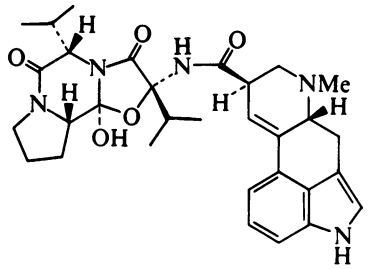
$C_8H_{11}NO_4S_2$ M 249.299

(±)-*form* [105426-14-0]
Bronchodilator. Cryst. (EtOH). Mp 156-158°.

Eur. Pat., 61 386, (*1982*); *CA*, **98**, 71915m (*synth, pharmacol*)
Gobetti, M. *et al*, *Farmaco, Ed. Sci.*, 1986, **41**, 69 (*synth, cmr, pharmacol*)

Ergocornine E-00101

12'-Hydroxy-2',5'-bis(1-methylethyl)ergotaman-3',6',18-trione, 9CI
[564-36-3]



$C_{31}H_{39}N_5O_5$ M 561.680
Alkaloid from ergot (*Claviceps purpurea*).
Vasoconstrictor. Investigational tool for studying ovum implantation in mammals. Pharmacol. effects resemble those of ergotamine but is more toxic and little used clinically. Mp 182-184° dec. $[\alpha]_D^{20}$ −175° (c, 1 in $CHCl_3$), −110° (c, 1 in Py). Component of Ergotoxine.

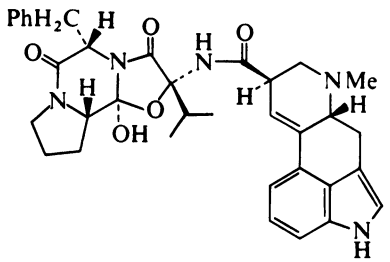
▷KE7630000.

C-8 Epimer: [564-37-4]. ***Ergocorninine***.
$C_{31}H_{39}N_5O_5$ M 561.680
Alkaloid from ergot. Prisms (MeOH). Mp 228° dec. $[\alpha]_D^{20}$ +409° (c, 1.0 in $CHCl_3$), $[\alpha]_D^{20}$ +500° (c, 1.0 in Py).

Stoll, A. *et al*, *Helv. Chim. Acta*, 1951, **34**, 1544 (*struct*)
Stadler, P.A. *et al*, *Helv. Chim. Acta*, 1969, **52**, 1549 (*synth, config, uv, ir, pmr, epimer*)
Voigt, D. *et al*, *Pharmazie*, 1974, **29**, 697 (*ms*)
Wurst, M. *et al*, *J. Chromatogr.*, 1979, **174**, 401 (*hplc*)
Plattner, R.D. *et al*, *J. Agric. Food Chem.*, 1983, **31**, 785 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1509.

Ergocristine E-00102

12'-Hydroxy-2'-(1-methylethyl)-5'-(phenylmethyl)-ergotaman-3',6',18-trione, 9CI
[511-08-0]



Absolute configuration

$C_{35}H_{39}N_5O_5$ M 609.724
Alkaloid from ergot (*Claviceps purpurea*).
Vasoconstrictor. Pharmacol. effects resemble those of Ergotamine but is more toxic, therefore little used clinically. Mp 165-170°. $[\alpha]_D^{20}$ −173° (c, 0.7 in $CHCl_3$), −101° (c, 0.8 in Py). Component of Ergotoxine.

C-8 Epimer: [511-07-9]. ***Ergocristinine***.
$C_{35}H_{39}N_5O_5$ M 609.724
Alkaloid from ergot. Prisms (MeOH). Mp 226-227° dec. (214° dec.). $[\alpha]_D^{20}$ +370° (c, 0.4 in $CHCl_3$), $[\alpha]_D^{20}$ +471° (c, 0.35 in Py).

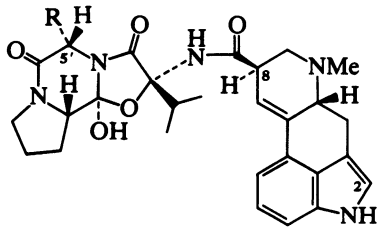
9,10-Dihydro: [17479-19-5]. ***Dihydroergocristine***. *Other proprietary names.*
$C_{35}H_{41}N_5O_5$ M 611.739
Peripheral and cerebral vasodilator. Mainly used as a mix. with other dihydroergot alkaloids.

Stoll, A. *et al*, *Helv. Chim. Acta*, 1951, **34**, 1544 (*struct*)
Stadler, P.A. *et al*, *Helv. Chim. Acta*, 1969, **52**, 1549 (*synth, config, uv, ir, epimer*)
Voigt, D. *et al*, *Pharmazie*, 1974, **29**, 697 (*ms*)
Wurst, M. *et al*, *J. Chromatogr.*, 1979, **174**, 401 (*hplc*)
Plattner, R.D. *et al*, *J. Agric. Food Chem.*, 1983, **31**, 785 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12007.

α-Ergocryptine E-00103

12'-Hydroxy-2'-(1-methylethyl)-5'-(2-methylpropyl)-ergotaman-3',6',18-trione, 9CI. Ergocryptine. Ergokryptine. Ergomolline

[511-09-1]



Absolute configuration

R = $-CH_2CH(CH_3)_2$

$C_{32}H_{41}N_5O_5$ M 575.706

Alkaloid from ergot (*Claviceps purpurea*). Pharmacol. effects resemble those of Ergotamine but is more toxic and little used clinically. Mp 211-212° dec. (MeOH). $[\alpha]_D^{20}$ −120° (c, 1 in Py), −198 (c, 1 in $CHCl_3$).

▷KE1400000.

C8-Epimer: [511-10-4]. *α-Ergocryptinine.* Formed when α-Ergocryptine is boiled with MeOH. Cryst. (EtOH). Mp 238° dec. $[\alpha]_D^{20}$ +405° (c, 0.5 in $CHCl_3$), $[\alpha]_D^{20}$ +485° (c, 0.5 in Py).

2-Bromo: [25614-03-3]. ***Bromocriptine, BAN, USAN, INN.*** *Axialit. Bagren. Bromergon. Parilac. Parlodel. Parodel. Pravidel. Umprel. CB 154.*

$C_{32}H_{40}BrN_5O_5$ M 654.603

Prolactin inhibitor. Cryst. Mp 215-218° dec. $[\alpha]_D^{20}$ −195° (c, 1 in CH_2Cl_2).

▷KE8250000.

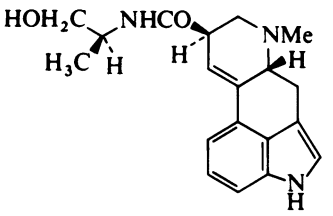
2-Bromo; B,MeSO₃H: [22260-51-1]. *Bromocriptine mesilate, JAN, USAN.* Cryst. (2-butanone). Mp 192-196° dec. $[\alpha]_D^{20}$ +95° (c, 1 in MeOH/CH_2Cl_2).

▷KE1595000.

Schlientz, W. *et al*, *Pharm. Acta Helv.*, 1968, **43**, 497 (*isol, ir, pmr*)
Stadler, P.A. *et al*, *Helv. Chim. Acta*, 1969, **52**, 1549 (*synth, ir, uv, pmr*)
Ger. Pat., 1 926 045, (*1969*); *CA*, **72**, 43969b (*deriv*)
Voigt, D. *et al*, *Pharmazie*, 1974, **29**, 697 (*ms*)
Giron-Forest, D.A. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 47 (*rev, Bromocriptine, anal, synth*)
Mehta, A.E. *et al*, *Drugs*, 1979, **17**, 313 (*rev, Bromocriptine, pharmacol*)
Wurst, M. *et al*, *J. Chromatogr.*, 1979, **174**, 401 (*hplc*)
Thorner, M.O. *et al*, *Bromocriptine: A Clinical and Pharmacological Review*, Raven Press, N.Y. 1980 (*book*)
Barbien, R.L. *et al*, *Fertil. Steril.*, 1983, **39**, 727 (*rev, Bromocriptine*)
Kanto, J., *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 135 (*Bromocriptine*)
Rucman, R. *et al*, *Farmaco, Ed. Sci.*, 1983, **38**, 406 (*synth, Bromocriptine*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1800, 4546, 12008.

Ergometrine, INN E-00104

9,10-Didehydro-N-(2-hydroxy-1-methylethyl)-6-methylergoline-8-carboxamide, 9CI. Ergonovine. Ergotrate. Ergobasine. Ergotocin. Ergostetrine



(+)-*form* Absolute configuration

$C_{19}H_{23}N_3O_2$ M 325.410

(+)-*form* [60-79-7]

Alkaloid from ergot (*Claviceps purpurea*) and several spp. in the genera *Argyreia, Stictocardia, Rivea* and *Ipomoea* (Convolvulvaceae). Oxytocic agent used in childbirth. Shows little adrenolytic or CNS effect. Antiserotonin agent. Plates (EtOAc), needles (Me_2CO). Mp 162-163° dec., Mp 212° dec. (dimorph.). $[\alpha]_D^{20}$ +91° (H_2O).

▷KE5075000.

B,HCl: Mp 245-246° dec. $[\alpha]_D^{25}$ +63° (H_2O).

Picrate: Red prisms or hydrated yellow needles. Mp 188-189° dec. (anhyd.), Mp 148° dec. (hydrated).

Maleate: [129-51-1]. *Ergonovine maleate, USAN. Cornocentin. Ermetrine. Other proprietary names.* Mp 167° dec. $[\alpha]_D^{25}$ +48° to +57°.

▷KE5250000.

C8-Epimer: [479-00-5]. ***Ergometrinine.*** *Ergobasinine. Ergonovinine.*

$C_{19}H_{23}N_3O_2$ M 325.410

Alkaloid from ergot and several *A., S., R.* and *I.* spp. (Convolvulaceae). Prisms (Me_2CO). Mp 195-197° dec. $[\alpha]_D^{20}$ +414° (c, 0.45 in $CHCl_3$), $[\alpha]_D^{20}$ +328° (c, 0.7 in MeOH).

C8-Epimer; B,HCl: Needles + $1H_2O$. Mp 175-180° dec.

C8-Epimer; B,HNO₃: Prisms (MeOH aq./Et_2O). Mp 235° dec. $[\alpha]_D^{20}$ +282° (c, 0.98 in H_2O).

C8-Epimer; B,HClO₄: Needles. Mp 225° dec.

(−)-*form*

Obt. by partial synth. Mp 159-162° dec. $[\alpha]_D^{20}$ −89° (H_2O). Physiologically inactive.

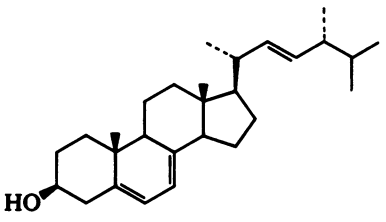
C8-Epimer: Synthetic. Prisms (Me_2CO). Mp 196° dec. $[\alpha]_D^{20}$ −415° (c, 0.4 in $CHCl_3$).

Jacobs, W.A. *et al*, *Science*, 1935, **82**, 16 (*struct*)
Smith, S. *et al*, *J. Chem. Soc.*, 1936, 1166 (*epimer, isol*)
Stoll, A. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1938, **251**, 155 (*epimer, synth*)
Stoll, A. *et al*, *Helv. Chim. Acta*, 1943, **26**, 922, 944 (*synth*)
Kornfeld, E.C. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3087 (*synth*)
Chao, J.-M. *et al*, *Phytochemistry*, 1973, **12**, 2435 (*occur*)
Bach, N.J. *et al*, *J. Org. Chem.*, 1974, **39**, 1272 (*cmr*)
Reif, V.D., *Anal. Profiles Drug Subst.*, 1982, **11**, 273 (*rev*)

Ergosterol E-00105

Ergosta-5,7,22-trien-3-ol, 9CI. 24S-Methyl-5,7,22E-cholestatrien-3β-ol. Ergosterin. Provitamin D_2. Ertron

[57-87-4]



$C_{28}H_{44}O$ M 396.655

Occurs in yeast and fungi. Most important of the provitamins *D*. Small hydrated plates (EtOH). Mp 168° (165°). $[\alpha]_D$ −133° ($CHCl_3$). λ_{max} 280 nm (EtOH).

Ac: [2418-45-3]. Plates (Et_2O/EtOH). Mp 175-176°.

Benzoyl: Mp 168°. $[\alpha]_D$ −68°.

Me ether: Mp 151-152°.

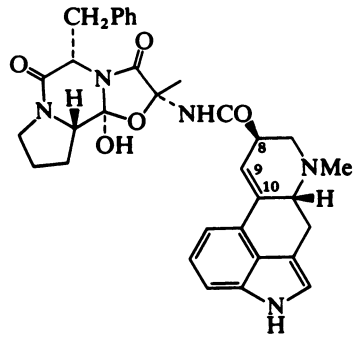
9-Epimer: [474-70-4]. *Isopyrocalciferol.*
$C_{28}H_{44}O$ M 396.655
Cryst. (EtOH). Mp 112-120°. $[\alpha]_D$ +332° ($CHCl_3$).

Kennedy, T. *et al, J. Chem. Soc.*, 1939, 250 (*struct*)
Castells, J. *et al, J. Chem. Soc.*, 1959, 1159 (*synth*)
Fryberg, M. *et al, J. Am. Chem. Soc.*, 1973, **95**, 5747 (*biosynth*)
Hull, S.E. *et al, Acta Crystallogr., Sect. B*, 1976, 2370 (*struct*)
Mercer, E.I. *et al, Phytochemistry*, 1976, **15**, 283 (*biosynth*)
Adler, J.H. *et al, Lipids*, 1977, **12**, 364 (*pmr, struct*)
Smith, W.B. *et al, Org. Magn. Reson.*, 1977, **9**, 644 (*cmr*)

Ergotamine, INN, BAN E-00106

12'-Hydroxy-2'-methyl-5'-(phenylmethyl)ergotaman-3',6',18-trione, 9CI

[113-15-5]



$C_{33}H_{35}N_5O_5$ M 581.670

Alkaloid from ergot (*Claviceps purpurea*). Vasoconstrictor used in migraine treatment, powerful uterine contractant. Adrenergic antagonist, inhibitor of vasomotor centres, haemostatic used in obstetrics. Mp 213-214° dec. $[\alpha]_D$ −160° ($CHCl_3$).

▷KE7700000.

B,HCl: Plates (EtOH aq.). Mp 212°.

(+)-Tartrate (2:1): [379-79-3]. *Ergotamine tartrate, USAN. Ergomar. Gynergen. Ergostate. Numerous proprietary names.* Analgesic specific for migraine. Mp 203° dec. $[\alpha]_D^{21}$ ~−135° (c, 0.4 in $CHCl_3$). Component of Cafergot.

▷Highly toxic, exp. teratogen. KE8225000.

Dihydro: [511-12-6]. ***Dihydroergotamine, INN.***
$C_{33}H_{37}N_5O_5$ M 583.686
Antiadrenergic drug, vasoconstrictor. Prisms (Me_2CO). Mp 239°. $[\alpha]_D^{20}$ −64° (c, 0.5 in Py).

▷II3675000.

Dihydro; B,MeSO₃H: [6190-39-2]. *Dihydroergotamine mesylate, USAN. Numerous proprietary names.* Prisms (EtOH). Mp 230-235°.

8-Hydroxy: [72170-28-6]. ***8-Hydroxyergotamine.***
$C_{33}H_{35}N_5O_6$ M 597.669
Alkaloid from ergot (*C. purpurea*). Cryst. (EtOAc or $CHCl_3$). Mp 197°. $[\alpha]_D^{20}$ +14° (c, 1 in Py).

8-Epimer: [639-81-6]. ***Ergotaminine.***
$C_{33}H_{35}N_5O_5$ M 581.670
Constit. of ergot alkaloids (*C. purpurea*). Plates (EtOH). Much less sol. than ergotamine. Mp 252° dec. (241-243°). $[\alpha]_D^{20}$ +369° (c, 0.5 in $CHCl_3$), $[\alpha]_D^{20}$ +397° (c, 0.5 in Py). Dec. at 241-243°.

N¹-Me: [22336-84-1]. ***Metergotamine, INN.*** *1'-Methylergotamine, 8CI.*
$C_{34}H_{37}N_5O_5$ M 595.697
Vasoconstrictor. Migraine therapeutic. Cryst. (CH_2Cl_2/MeOH). Mp 167-170° dec. $[\alpha]_D^{20}$ −163° (c, 0.5 in $CHCl_3$).

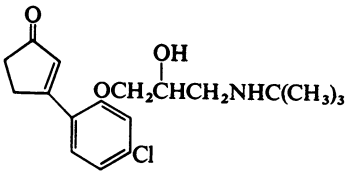
N¹-Me, Tartrate (1:1): [56644-29-2]. *Metergotamine tartrate. MY 25.*

Smith, S. *et al, J. Chem. Soc.*, 1930, 1390 (*Ergotaminine*)
Stoll, A. *et al, Helv. Chim. Acta*, 1951, **34**, 1544 (*struct*)
Hofmann, A. *et al, Experientia*, 1961, **17**, 206.
Hofmann, A. *et al, Helv. Chim. Acta*, 1963, **46**, 2306 (*synth, ir, uv, config*)
Ger. Pat., 2 017 560, (*1970*); *CA*, **74**, 42535 (*Metergotamine*)
Bassett, R.A. *et al, Biochem. J.*, 1973, **134**, 1 (*biosynth*)
Bach, N.J. *et al, J. Org. Chem.*, 1974, **39**, 1272 (*cmr*)
Aellig, W.H. *et al, Int. J. Clin. Pharmacol.*, 1977, **15**, 106 (*Metergotamine*)
Kreilgård, B., *Anal. Profiles Drug Subst.*, 1977, **6**, 113 (*rev*)
Krajíček, A. *et al, Collect. Czech. Chem. Commun.*, 1979, **44**, 2255 (*8-Hydroxyergotamine*)
Wurst, M. *et al, J. Chromatogr.*, 1979, **174**, 401 (*hplc*)
Pierri, L. *et al, J. Med. Chem.*, 1982, **25**, 937 (*conformn*)
Kanto, J., *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 135 (*rev, pharmacol, metab*)
Plattner, R.D. *et al, J. Agric. Food Chem.*, 1983, **31**, 785 (*ms*)
Clark, B.J., *Discoveries Pharmacol.*, 1984, **2**, 3 (*rev, pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7985, 7989 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1504, 1505, 1508.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 643.

Ericolol, INN E-00107

3-[4-Chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-2-cyclopenten-1-one, 9CI. 3-[2-[3-(tert-Butylamino)-2-hydroxypropoxy]-4-chlorophenyl]-2-cyclopenten-1-one

[85320-67-8]



$C_{18}H_{24}ClNO_3$ M 337.846

Antihypertensive, antiarrhythmic, antianginal agent.

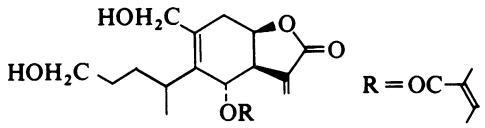
(±)-form

B,HCl: [80151-45-7]. Mp 218-222°.

Ger. Pat., 3 012 012, (*1981*); *CA*, **96**, 19834d (*synth, pharmacol*)

Eriolangin E-00108

[52617-35-3]



$C_{20}H_{28}O_6$ M 364.438

Constit. of *Eriophyllum lanatum*. Antitumour and anti-leukaemic agent. Cryst. ($CHCl_3$). Mp 94-96°. $[\alpha]_D^{25}$ −91° ($CHCl_3$).

Kupchan, S.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 842 (*isol, pmr, ms*)
Grieco, P.A. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 5886 (*synth*)

Eriolanin E-00109

[52617-36-4]

As Eriolangin, E-00108 with

R = -OCC(CH_3)=CH_2

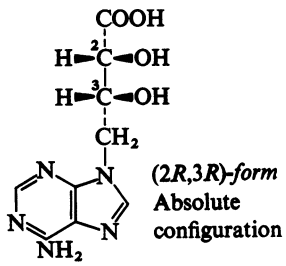
$C_{19}H_{26}O_6$ M 350.411

Constit. of *Eriophyllum lanatum*. Shows antileukaemic activity. Cryst. ($CHCl_3$/pet. ether). Mp 126.5-128°. $[\alpha]_D^{25}$ −93° ($CHCl_3$).

Kupchan, S.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 842 (*isol, nmr, ms*)
Grieco, P.A. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 1616; 1980, **102**, 5886 (*synth*)
Roberts, M.R. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 724 (*synth*)

Eritadenine E-00110

6-Amino-α,β-dihydroxy-9H-purine-9-butanoic acid, 9CI. 4-(6-Amino-9H-purin-9-yl)-4-deoxyerythronic acid, 8CI. Lentinacin. Lentysine



(2*R*,3*R*)-form
Absolute configuration

$C_9H_{11}N_5O_4$ M 253.217

(2*R*,3*R*)-form [23918-98-1]

D-erythro-*form*

Isol. from the mushroom *Lentinus edodes*. Shows hypocholesterolaemic activity and antiviral props. Mp 261-263° dec. (279° dec.). $[\alpha]_D$ +50° (0.1N NaOH), +16° (1N HCl). λ_{max} 261 (ε 14 300) (H_2O), 260 (14 000), (0.5N HCl), 261 nm (14 300) (0.5N NaOH).

2-Me:

$C_{10}H_{13}N_5O_4$ M 267.244

Mp 225° dec.

2-Benzyl:

$C_{16}H_{17}N_5O_4$ M 343.341

Mp 181-182°. $[\alpha]_D^{20}$ +46.7° (c, 0.3 in DMSO).

Me ester: [25616-63-1].

$C_{10}H_{13}N_5O_4$ M 267.244

Mp 231° dec.

Me ester, 2,3-O-isopropylidene: [28991-46-0].

$C_{13}H_{17}N_5O_4$ M 307.308

Mp 181°.

Me ester, 2,3-di-Ac: [25616-64-2].

$C_{14}H_{17}N_5O_6$ M 351.318

Mp 225° dec.

(2*R*,3*S*)-form [28617-17-6]

D-threo-*form*

Mp 297° dec. $[\alpha]_D$ +82° (0.1N NaOH).

(2*S*,3*R*)-form [28617-16-5]

L-threo-*form*

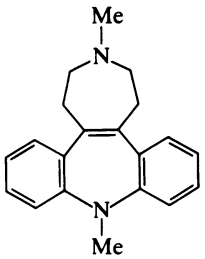
Mp 297° dec. $[\alpha]_D$ −81° (0.1N HCl).

Chibata, I. *et al*, *Experientia*, 1969, **25**, 1237 (*isol*)
Hashimoto, M. *et al*, *Tetrahedron Lett.*, 1970, 1359 (*synth*)
Rokujo, T. *et al*, *Life Sci.*, 1970, **9**, 379 (*pharmacol*)
Okumura, K. *et al*, *J. Org. Chem.*, 1971, **36**, 1573.
Kamiya, T. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 359.
Kamiya, T. *et al*, *Tetrahedron*, 1972, **28**, 899 (*synth, abs config*)
Kawazu, M. *et al*, *J. Org. Chem.*, 1973, **38**, 2887 (*synth, pmr*)
Okumura, K. *et al*, *J. Med. Chem.*, 1974, **17**, 846.
Holy, A. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 1392 (*synth, pharmacol*)

Erizepine, INN E-00111

1,2,3,4,5,10-Hexahydro-3,10-dimethylazepino[4,5-d]-dibenz[b,f]azepine, 9CI. Eresepine. CGP 15564B

[96645-87-3]



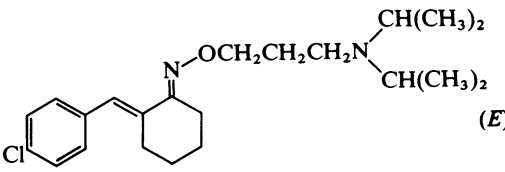
$C_{20}H_{22}N_2$ M 290.407

Neuroleptic.

Bischoff, S. *et al*, *Pharmacopsychiatry*, 1986, **19**, 306, 316 (*pharmacol*)
U.S.P., 4 707 476, (*1987*); *CA*, 131791 (*synth, pharmacol*)

Erocainide, INN E-00112

2-[(4-Chlorophenyl)methylene]cyclohexanone O-[3-[bis(1-methylethyl)amino]propyl]oxime, 9CI. 2-(p-Chlorobenzylidene)cyclohexanone O-[3-(diisopropylamino)propyl]oxime



(*E*)-form

$C_{22}H_{33}ClN_2O$ M 376.969

(*E,E*)-form [85750-38-5]

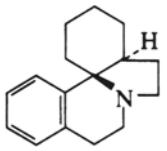
Antiarrhythmic agent, local anaesthetic. Yellow oil.

Fumarate (1:1): [92884-12-3]. Mp 87-89.5°.

Ger. Pat., 3 404 481, (*1984*); *CA*, **102**, 5767 (*synth, pharmacol*)

Erythrinan, 9CI E-00113

[27711-98-4]



cis-form

$C_{16}H_{21}N$ M 227.349

Stereoparent of a group of alkaloids.

(±)-*cis-form*

Has curare-like activity. Oil. $Bp_{0.1}$ 195°.

B,MeI: Mp 201-203°.

Picrate: Mp 184-185°.

(±)-*trans-form*

Oil. $Bp_{0.005}$ 110°.

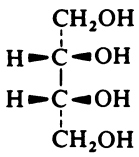
Picrate: Light-yellow cryst. (MeOH). Mp 188-189°.

Belleau, B., *J. Am. Chem. Soc.*, 1953, **75**, 5765 (*synth*)
Mondon, A. *et al*, *Chem. Ber.*, 1971, **104**, 2937 (*synth, uv, ir, ms, pmr*)

Erythritol, 9CI, 8CI E-00114

(R*,S*)-*1,2,3,4-Butanetetrol, 9CI, 8CI. Mesoerythritol. Phycitol*

[149-32-6]



$C_4H_{10}O_4$ M 122.121

For (*R,R*)-form see Threitol, T-00219 . Occurs in *Protococcus vulgaris* and *Trentepohlia jolithus*. A metabolic product of *Aspergillus terreus*. Coronary vasodilator. Mp 121.5°. Bp 329-331°, Bp_{200} 294-296°. Opt. inactive (*meso-*).

▷KF2000000.

1,3:2,4-Di-O-benzylidene: [4148-59-8]. *1,3:2,4-Di-O-benzylideneerythritol.*
$C_{18}H_{18}O_4$ M 298.338
Mp 201-202°.

Tetra-Ac: [7208-40-4]. *1,2,3,4-Tetra-O-acetylerythritol.*
$C_{12}H_{18}O_8$ M 290.269
Mp 89°.

2,3-Di-O-benzoyl: [50622-01-0].
$C_{18}H_{18}O_6$ M 330.337
Mp 129-131°.

Tri-O-benzoyl: [60405-75-6].
$C_{25}H_{22}O_7$ M 434.445
Mp 108-108.5°.

Tetra-O-benzoyl: [16054-80-1]. *1,2,3,4-Tetra-O-benzoylerythritol.*
$C_{32}H_{26}O_8$ M 538.553
Mp 188-189°.

Tetranitrate: [7297-25-8]. ***Erythrityl tetranitrate, USAN.*** *Eritrityl tetranitrate, INN. Erythrol tetranitrate. Cardilate. Cardiloid. Cardiwell. Nitroerythrite. Tetranitrin. Tetranitrol. NSC 106566.*
$C_4H_6N_4O_{12}$ M 302.111
Coronary vasodilator and antispasmodic agent. Leaflets (EtOH). Mp 61°.

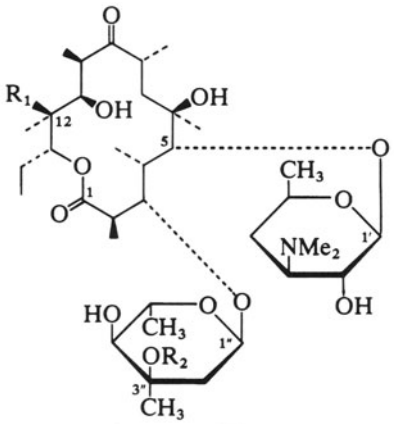
Tetrakis(4-hydroxybenzoyl): [87697-99-2]. *Kelletinin I.*
$C_{32}H_{26}O_{12}$ M 602.550
Metab. of the marine mollusc *Kelletia kelletii*. Antibacterial, cytotoxic.

Kovář, J. *et al*, *Collect. Czech. Chem. Commun.*, 1967, **32**, 4099.
Haga, M. *et al*, *J. Org. Chem.*, 1968, **33**, 1810.
Sonogashira, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 2616 (*synth*)
Nanasi, P. *et al*, *Carbohydr. Res.*, 1973, **29**, 201.
Ritchie, R.G. *et al*, *Can. J. Chem.*, 1975, **53**, 1424 (*cmr*)
Ceccarelli, C. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 3079 (*cryst struct*)
Tymiak, A.A. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 7396 (*Kelletinin*)
Hawkes, G.E. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1984, 2073 (*pmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9228.

Erythromycin, 9CI, BAN, INN E-00115

Ilotycin. Erythrocin. Numerous proprietary names

[114-07-8]



$R_1 = OH, R_2 = CH_3$

$C_{37}H_{67}NO_{13}$ M 733.935

Macrolide antibiotic. Isol. from *Streptomyces erythreus*. Broad-spectrum clinically used antibiotic. Cryst. (Me_2CO aq. or $CHCl_3$). Mp 136-140° (resolidifying and remelting at 190-193°). $[\alpha]_D^{25}$ −78° (c, 1.99 in EtOH), −73.5° (MeOH).

▷Mod. toxic orally. KF4375000.

4-O-β-D-Galactopyranosyl-D-gluconate (salt): [3847-29-8]. *Erythromycin lactobionate, USAN.* Antibacterial agent. Amorph. powder. Mp 145-150°.

▷OD7320000.

D-glycero-D-gulo-Heptonate (salt): [23067-13-2]. *Erythromycin glucoheptonate. Erythromycin gluceptate, USAN. Ilotycin gluceptate.* Antibacterial agent. Mp 95-140°.

▷KF4950000.

Octadecanoate (salt): [643-22-1]. *Erythromycin stearate, USAN. Numerous proprietary names.* Antibacterial agent. Mp 92-93°.

▷KF5790000.

Thiocyanate (salt): [7704-67-8]. *Erythromix* V. *Gallimycin* W. *Matachron.* Antibiotic.

2'-Ac: [992-69-8]. ***Erythromycin acetate.***
$C_{39}H_{69}NO_{14}$ M 775.972
Antibiotic. Needles (C_6H_6/hexane). Mp 128-138°. $[\alpha]_D^{26}$ −62.2° (EtOH).

2'-Ac, stearate (salt): [96128-89-1]. *Erythromycin acistrate, INN.* Antibiotic.

Cyclic 11,12-carbonate: [55224-05-0]. ***Davercin.***
$C_{38}H_{65}NO_{14}$ M 759.930

Antibiotic. Cryst. (Me_2CO aq.). Mp 219-224°. $[\alpha]_D^{21}$ −54° (c, 2 in dioxan).

2′-(Ethyl butanedioate): [1264-62-6]. *Erythromycin ethylsuccinate, USAN. Numerous proprietary names.*
$C_{43}H_{75}NO_{16}$ M 862.063
Antibiotic.

▷WM9800000.

2′-(Ethyl carbonate): [7218-80-6].
$C_{40}H_{71}NO_{15}$ M 805.999
Antibiotic. $[\alpha]_D^{24}$ −75° (c, 1 in $CHCl_3$).

2′-Propanoyl: [134-36-1]. ***Erythromycin propionate, USAN.*** *Propiocine.*
$C_{40}H_{71}NO_{14}$ M 789.999
Antibiotic. Cryst. + $1H_2O$ (Me_2CO aq.). Mp 122-126°. $[\alpha]_D^{25}$ −81.6° (Me_2CO).

2′-Propanoyl, dodecyl sulfate (salt): [3521-62-8]. *Erythromycin estolate, USAN, BAN. Propionylerythromycin lauryl sulfate. Numerous proprietary names.*
Antibacterial. Long needles. Mp 135-140° dec.

▷KF5775000.

6-O-Me: [81103-11-9]. *6-O-Methylerythromycin, 9CI.* ***Clarithromycin, INN.*** *A 56268. TE 031.*
$C_{38}H_{69}NO_{13}$ M 747.962
Antibacterial agent. Needles (EtOH). Mp 222-225°. $[\alpha]_D^{24}$ −90.4° (c, 1 in $CHCl_3$).

Clark, R.K. *et al, Antibiot. Chemother.*, 1955, **5**, 206 (*struct*)
Wiley, P.F. *et al, J. Am. Chem. Soc.*, 1955, **77**, 3422; 1957, **79**, 6062 (*struct*)
Stephens, V.C. *et al, Antibiot. Ann.*, 1958-59, 346 (*esters*)
U.S.P., 2 852 429, (*1959*); *CA*, **53**, 1650 (*Glucoheptonate*)
U.S.P., 2 881 163, (*1959*); *CA*, **55**, 25172 (*Stearate*)
Mann, J.M., *Anal. Profiles Drug Subst.*, 1972, **1**, 101 (*Estolate*)
Jaret, R.S. *et al, J. Chem. Soc., Perkin Trans. 1*, 1973, 1374 (*acetate*)
Oleinick, N.L., *Antibiotics (N.Y.)*, 1975, **3**, 396 (*rev*)
Slawinski, W. *et al, Recl. Trav. Chim. Pays-Bas*, 1975, **94**, 236 (*Davercin*)
Terui, Y. *et al, Tetrahedron Lett.*, 1975, 2583 (*nmr*)
Majer, J. *et al, J. Am. Chem. Soc.*, 1977, **99**, 1620 (*nmr*)
Koch, W.L. *et al, Anal. Profiles Drug Subst.*, 1979, **8**, 159 (*rev*)
U.S.P., 4 137 397, (*1979*); *CA*, **90**, 174677 (*Lactobionate*)
Gribble, M.J. *et al, Med. Clin. North. Am.*, 1982, **66**, 79 (*rev, pharmacol*)
Morimoto, S. *et al, J. Antibiot.*, 1984, **37**, 187 (*Clarithromycin*)
Paterson, I. *et al, Tetrahedron*, 1985, **41**, 3569 (*synth, rev*)
Washington, J.A. *et al, Mayo Clin. Proc.*, 1985, **60**, 189 (*rev, pharmacol, metab*)
Belg. Pat., 901 411, (*1985*); *CA*, **104**, 19776
Chater, K.F., *Bacteria*, 1986, **9**, 119 (*rev, biosynth*)
Fernandes, P.B. *et al, Antimicrob. Agents Chemother.*, 1986, **30**, 865; 1987, **31**, 328, 343, 463, 640 (*Clarithromycin*)
Everett, J.R. *et al, J. Chem. Soc., Chem. Commun.*, 1987, 815 (*conformn*)
Davey, P. *et al*, Eds., *J. Antimicrob. Chemother.*, 1988, **21**, Suppl. D (*Acistrate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8129, 8175, 8239 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 77, 78, 79, 80, 81, 82, 83, 84, 12700.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1296.

Erythromycin *B* E-00116

12-Deoxyerythromycin, 9CI. ***Berythromycin, INN, USAN.*** *Abbott 24091*

[527-75-3]

As Erythromycin, E-00115 with

$$R_1 = H, R_2 = CH_3$$

$C_{37}H_{67}NO_{12}$ M 717.936
Macrolide antibiotic. Isol. from *Streptomyces erythreus.* Shows broad spectrum of antimicrobial activity. Plates (Me_2CO). Mp 191-195°. $[\alpha]_D^{25}$ −78° (c, 2 in EtOH).

▷KF4700000.

B,HCl: Cryst. (Me_2CO). Mp 149-150°.
B,HI: Mp 167-169°.
B,H_2SO_4: Mp 154-156°.
Benzoyl: Mp 102-104°.
Octadecanoyl: Mp 54-57°.
Ethyl carbonate: Mp 117-118°.

3″-C-De-Me: [82664-25-3]. ***Antibiotic P 15149.*** *P 15149. 3″-C-Demethylerythromycin* B.
$C_{36}H_{65}NO_{12}$ M 703.909
Prod. by *S. antibioticus* in the presence of Erythronolide *B*. Shows similar props. to Erythronolide *B*, but greater stability to acid. Cryst. (hexane/Me_2CO). Mp 130-132°. $[\alpha]_D^{20}$ −68.2° (c, 1 in MeOH).

3″-C-De-Me; B,HCl: Cryst. Mp 178-180°.

3″-C-De-Me, 12-hydroxy: [86334-15-8]. ***Antibiotic P 15150.*** *P 15150. 3″-C-Demethyl-12-hydroxyerythromycin* B.
$C_{36}H_{65}NO_{13}$ M 719.908
Prod. by *S. antibioticus* in the presence of Erythronolide *B*. Shows similar props. to parent but greater acid stability. $[\alpha]_D^{20}$ −55° (c, 1 in MeOH). Chem. Abs. identifies this compd. as 3″-*C*-Demethyl-10-hydroxyerythromycin *B*.

3″-C-De-Me, 12-hydroxy; B,HCl: Cryst. (Me_2CO). Mp 160-163°.

3″-C-De-Me, 8-hydroxy: [82664-24-2]. ***Antibiotic P 15148.*** *P 15148. 3″-C-Demethyl-8-hydroxyerythromycin* B.
$C_{36}H_{65}NO_{13}$ M 719.908
Prod. by *S. antibioticus* in the presence of Erythronolide *B*. Shows similar props. to parent. Cryst. (Me_2CO). Mp 204-206°. $[\alpha]_D^{20}$ −48.35° (c, 1 in MeOH).

3″-C-De-Me, 8,19-epoxy: [82664-27-5]. ***Antibiotic P 15153.*** *P 15153. 3″-C-Demethyl-8,19-epoxyerythromycin* B.
$C_{36}H_{63}NO_{13}$ M 717.893
Prod. by *S. antibioticus* in the presence of Erythronolide *B*. Shows similar props. to parent. Cryst. (Me_2CO/hexane). Mp 125-130°. $[\alpha]_D^{20}$ −27.7° (c, 1 in MeOH).

Celmer, W.D., *J. Am. Chem. Soc.*, 1965, **87**, 1799, 1801 (*struct*)
Nourse, J.G. *et al, J. Am. Chem. Soc.*, 1975, **97**, 4584 (*nmr*)
Terui, Y. *et al, Tetrahedron Lett.*, 1975, 2583 (*nmr*)
Majer, J. *et al, J. Am. Chem. Soc.*, 1977, **99**, 1620 (*nmr*)
Tadanier, J. *et al, J. Org. Chem.*, 1978, **43**, 2351 (*synth*)
Eur. Pat., 56 290, (*1982*); *CA*, **97**, 180146 (*isol, derivs*)
Pagnoli, R. *et al, J. Antibiot.*, 1983, **36**, 365.
Paterson, I. *et al, Tetrahedron*, 1985, **41**, 3569 (*synth, rev*)

Erythropoietin E-00117

EPO

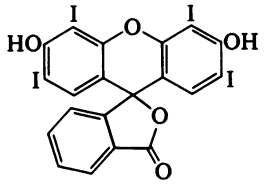
Peptide containing 167 amino acid residues. Adrenocortical hormone. Stimulates red blood cell production, used to treat aplastic anaemia.

Miyake, T. *et al, J. Biol. Chem*, 1977, **252**, 5558 (*isol*)
Lee-Huang, S., *Proc. Natl. Acad. Sci. USA*, 1984, **81**, 2708 (*cloning*)
Raine, A.E.G. *et al, Lancet*, 1987, **1**, 781; 1988, **1**, 97, 1205.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16635.

Erythrosine E-00118

3',6-Dihydroxy-2',4',5',7'-tetraiodospiro[isobenzofuran-1(3H),9'(9H)xanthen]-3-one, *9CI*. *CI Acid Red 51*. *Aizen erythrosine*. *Cogilor orange 211.10*. *Cogilor orange 312.42*. *Dianthine* B. *Iodeosine* B. *Pyrosine* B. *Red 1427*. *FDC red No. 3*

[15905-32-5]



$C_{20}H_8I_4O_5$ M 835.898

Tautomeric (?) between spiro and open-chain forms; see Fluorescein, F-00180 CA data refers to spiro-form. Iodination prod. of Fluorescein. Diagnostic aid (dental disclosing agent). Radiopaque medium.

▷LM5940000.

Di-Na salt: [16423-68-0]. *Ceplac*. *Felumin*. *Trace*. Brown powder. Sol. H_2O giving cherry-red soln.

▷LM5950000.

Dolinksy, M. *et al*, *J. Assoc. Off. Agr. Chem.*, 1951, **34**, 114 (*synth*)

Marmino, D.M., *J. Assoc. Off. Anal. Chem.*, 1974, **57**, 495 (*nmr*)

Canadian Pat., 953 624, (*1974*); *CA*, **83**, 15670f (*use*)

Collins, T.F.X. *et al*, *Food. Cosmet. Toxicol.*, 1976, **14**, 233 (*tox*)

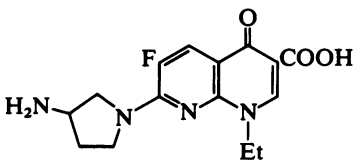
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2392.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2539.

Esafloxacin, INN E-00119

7-(3-Amino-1-pyrrolidinyl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, *9CI*

[79286-77-4]



$C_{15}H_{17}FN_4O_3$ M 320.323

(±)-form

Antibacterial agent.

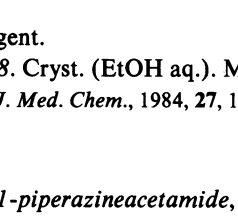
B,HCl: AT 2468. Cryst. (EtOH aq.). Mp 272-290° dec.

Egawa, H. *et al*, *J. Med. Chem.*, 1984, **27**, 1543 (*synth, pharmacol*)

Esaprazole, INN E-00120

N-*Cyclohexyl-1-piperazineacetamide*, *9CI*. *Hexaprazol*. *CO 063*

[64204-55-3]



$C_{12}H_{23}N_3O$ M 225.333

Antiulcer agent. Mp 111-112°.

Ger. Pat., 2 702 537, (*1977*); *CA*, **87**, 152273a (*synth, pharmacol*)

Scuri, R. *et al*, *Boll. Chim. Farm.*, 1984, **123**, 425 (*pharmacol*)

Ventura, P. *et al*, *Farmaco, Ed. Prat.*, 1984, **39**, 190 (*metab*)

Coruzzi, G. *et al*, *Farmaco, Ed. Prat.*, 1985, **40**, 313, 324 (*pharmacol*)

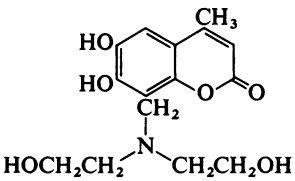
Erembourg, L. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1987, **7**, 95 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19145.

Esculamine, INN E-00121

8-[[Bis(2-hydroxyethyl)amino]methyl]-6,7-dihydroxy-4-methyl-2H-1-benzopyran-2-one, *9CI*. *8-[[Bis(2-hydroxyethyl)amino]methyl]-6,7-dihydoxy-4-methylcoumarin*, *8CI*. *Aesculamin*. *Eskulamin*

[2908-75-0]



$C_{15}H_{19}NO_6$ M 309.318

Haemostatic, mild vasodilator, antiinflammatory agent. Used mainly as hydrochloride.

B,HCl: [1039-82-3]. Mp 190° dec.

Zagorevskii, V.A. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 793 (*synth*)

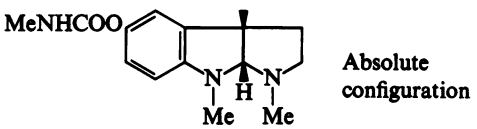
Rudakova, I.S. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1965, **28**, 314 (*pharmacol*)

Aleksandrov, P.N. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1986, **49**, 84 (*pharmacol*)

Eserine E-00122

1,2,3,3a,8,8a-Hexahydro-1,3a,8-trimethylpyrrolo[2,3-b]indol-5-ol methylcarbamate (ester), *9CI*. *Fysostigmin*. ***Physostigmine, USAN***. *Physostol*

[57-47-6]



$C_{15}H_{21}N_3O_2$ M 275.350

Main alkaloid from the Calabar bean (*Physostigma venenosum*) (Leguminosae). Also prod. by *Streptomyces* sp. AH-4 and *S. pseudogriseolus*. Anticholinesterase used as miotic and to decrease interocular pressure in glaucoma. Mp 86-87°, 105-106° (dimorph.). $[\alpha]_D$ −82° ($CHCl_3$).

▷Highly toxic orally. Occasional cause of human poisoning. TJ2100000.

2B,H_2SO_4: [64-47-1]. *Physostigmine sulfate*, *USAN*. Scales. Mp 140°.

▷UY8585000.

Salicylate (1:1): [57-64-7]. *Physostigmine salicylate*, *USAN*. *Antilirium*. *Eserocil*. *Esromistin*. *Fisostin*. *Zem-Eserine*. Mp 184-186°.

▷TJ2450000.

B,2HBr: Mp 224-226°.

B,MeI: Mp 188°.

8-N-De-Me: ***N^8-Norphysostigmine***.

$C_{14}H_{19}N_3O_2$ M 261.323

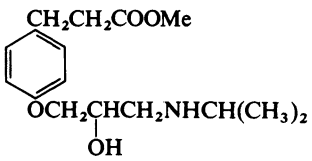
Isol. from *S.* sp. AH-4. Shows insecticidal props. Powder. Mp 151.5°. $[\alpha]_D^{30}$ −64.4° (c, 0.45 in MeOH).

Harley-Mason, J. *et al*, *J. Chem. Soc.*, 1954, 3651 (*synth*)
Bild, N. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1885 (*ms*)
Hill, R.K. *et al*, *Tetrahedron*, 1969, **25**, 1249 (*config*)
Longmore, R.B. *et al*, *Chem. Ind. (London)*, 1969, 622 (*config*)
Newkome, G.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 385 (*pmr, config*)
Ando, K. *et al*, *J. Antibiot.*, 1971, **24**, 1379 (*isol*)
Joule, J.A., *Alkaloids (London)*, 1971, **1**, 150 (*rev*)
Pauling, P. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 1342 (*cryst struct*)
Granacher, R.P. *et al*, *Clin. Neuropharmacol.*, 1976, **1**, 63 (*rev, pharmacol*)
Slenberg, V.I. *et al*, *J. Heterocycl. Chem.*, 1977, **14**, 407 (*cmr, N-15 nmr*)
Bose, A.K. *et al*, *Anal. Biochem.*, 1978, **89**, 284 (*ms*)
Wijnberg, J.B.P.A. *et al*, *Tetrahedron*, 1978, **34**, 2399 (*synth*)
Stoeckel, H., Ed., *CA*, 1982, **97**, 138642 (*book*)
Nieminen, A.O.K. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 515 (*cmr*)
Murao, S. *et al*, *Agric. Biol. Chem.*, 1986, **50**, 523.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4521, 4522, 4523, 4524.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2228.

Esmolol E-00123

Methyl 4-[2-hydroxy-3-[(1-methylethyl)amino]-propoxy]benzenepropanoate, 9CI. Methyl p-*[2-hydroxy-3-(isopropylamino)propoxy]hydrocinnamate*

[81147-92-4]



$C_{16}H_{25}NO_4$ M 295.378

β-Adrenergic blocking agent.

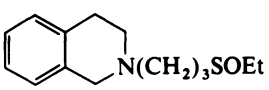
B,HCl: [81161-17-3]. *Esmolol hydrochloride, USAN. Brevibloc. ASL-8052.* Mp 117-119°.

Ehrhardt, P.W. *et al*, *J. Med. Chem.*, 1982, **25**, 1408 (*synth, pharmacol*)
Yacobi, A. *et al*, *J. Pharm. Sci.*, 1983, **72**, 710 (*pharmacol*)
Gorczynski, R.J. *et al*, *Am. J. Cardiol.*, 1985, **56**, 3F, 40F, 57F (*rev, pharmacol, use*)
Achari, R. *et al*, *J. Clin. Pharmacol.*, 1986, **26**, 44 (*metab*)
Benfield, P. *et al*, *Drugs*, 1987, **33**, 392 (*rev, pharmacol*)
Frishman, W.H. *et al*, *Med. Clin. North Am.*, 1988, **72**, 359 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16636.

Esproquine, INN E-00124

2-[3-(Ethylsulfinyl)propyl]-1,2,3,4-tetrahydroisoquinoline, 9CI

[37517-33-2]



$C_{14}H_{21}NOS$ M 251.386

Adrenergic drug.

B,HCl: [23486-22-8]. *Esproquin hydrochloride, USAN. NC 7197.* Mp 198-199°.

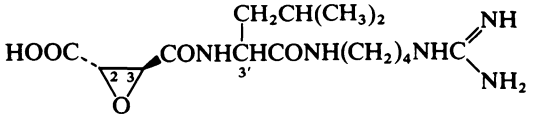
▷NX5073200.

Gray, A.P. *et al*, *J. Med. Chem.*, 1973, **16**, 859 (*synth, pharmacol*)

Estate E-00125

3-[[[1-[[[4-[(Aminoiminomethyl)amino]butyl]amino]-carbonyl]-3-methylbutyl]amino]carbonyl]-oxiranecarboxylic acid, 9CI. Proteinase inhibitor E 64. Rexostatine. E 64

[66701-25-5]



$C_{15}H_{27}N_5O_5$ M 357.409

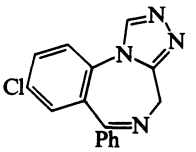
Isol. from *Aspergillus japonicus*. Proteinase inhibitor. Needles (Me_2CO aq.). $[\alpha]_D^{25}$ +24.4° (c, 1 in 0.1*M* HCl). Dec. at 231-234°.

Hanada, K. *et al*, *Agric. Biol. Chem*, 1978, **42**, 523, 529, 537 (*isol, synth, struct, props*)
Hanada, K. *et al*, *Pept. Chem.*, 1979, **17**, 31 (*synth, props*)
Barrett, A.J. *et al*, *Acta Biol. Med. Ger.*, 1981, **40**, 1513 (*rev, pharmacol*)
Barrett, A.J. *et al*, *Biochem. J.*, 1982, **201**, 189 (*props*)

Estazolam, INN E-00126

8-Chloro-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]-benzodiazine, 9CI. Eurodin. Domnamid. Julodin. D-40TA. Numerous proprietary names

[29975-16-4]



$C_{16}H_{11}ClN_4$ M 294.743

Hypnotic, sedative, tranquilliser, anticonvulsant. Mp 228-229°.

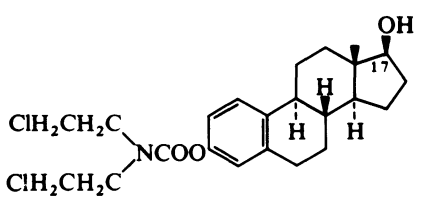
▷XZ5473500.

Hester, J.B. *et al*, *J. Med. Chem.*, 1971, **14**, 1078 (*synth, uv, pmr*)
Kamiya, K. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 1520 (*cryst struct*)
Tanayama, S. *et al*, *Xenobiotica*, 1974, **4**, 33 (*metab*)
Momose, T. *et al*, *Curr. Ther. Res.*, 1976, **19**, 277 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4030.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3811 (*synonyms*)

Estramustine, BAN, USAN, INN E-00127

Estra-1,3,5(10)-triene-3,17β-diol 3-[bis(2-chloroethyl)-carbamate] ester, 9CI. Estradiol 3-[bis(2-chloroethyl)-carbamate]ester, 8CI. Leo 275. Ro 21-8837

[2998-57-4]



$C_{23}H_{31}Cl_2NO_3$ M 440.409

Antineoplastic drug, radioprotective agent. Cryst. (C_6H_6/pet. ether). Mp 104-105°. $[\alpha]_D^{20}$ +50° (dioxan).

17-Phosphate: [4891-15-0]. ***Estramustine phosphate, INN.*** *Emcyt. Estracyt. Leo 299. NSC 89199. Ro 21-8837/001.*

$C_{23}H_{32}Cl_2NO_6P$ M 520.389

Antineoplastic. Radioprotective agent. Mp 155° dec. $[\alpha]_D^{20}$ +30° (dioxan). Used as Na salt.

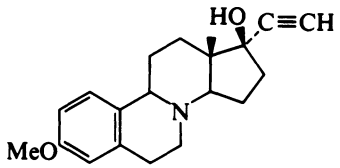
▷KG4300000.

Niculescu-Duvaz, I. *et al*, *J. Med. Chem.*, 1967, **10**, 172 (*synth, pharmacol, ir, uv*)
Sandberg, A.A., *Semin. Oncol.*, 1983, **10**, 3, 21 (*rev, metab, pharmacol*)
Hauser, A.R. *et al*, *Drug. Intell. Clin. Pharm.*, 1984, **18**, 368 (*rev, pharmacol*)
Gao, B. *et al*, *CA*, 1986, **105**, 60800 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1832.

Estrazinol, INN **E-00128**

3-Methoxy-8-aza-19-norpregna-1,3,5(10)-trien-20-yn-17-ol, 9CI, 8CI

[5941-36-6]



$C_{20}H_{25}NO_2$ M 311.423
Oestrogen. Mp 132-133°.

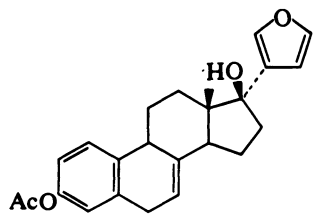
B,HBr: [15179-97-2]. *Estrazinol hydrobromide, USAN. W 4454A.*

Bowler, J. *et al*, *J. Chem. Soc.* (*C*), 1968, 2111 (*synth, pharmacol*)
Rassaert, C.L. *et al*, *Steroids Lipids Res.*, 1973, **4**, 333 (*pharmacol*)

Estrofurate, USAN, INN **E-00129**

21,23-Epoxy-19,24-dinor-17α-chola-1,3,5(10),7,20,22-hexaene-3,17-diol 3-acetate, 9CI, 8CI. AY 11483

[10322-73-3]



$C_{24}H_{26}O_4$ M 378.467
Oestrogen. Mp 166-168°. $[\alpha]_D$ +140° (c, 1 in $CHCl_3$).

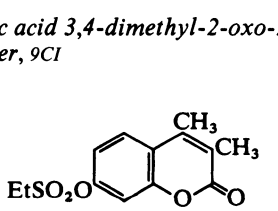
▷JF7952000.

Revesz, C. *et al*, *J. Med. Chem.*, 1975, **18**, 217 (*synth, pharmacol*)

Esuprone, INN **E-00130**

Ethanesulfonic acid 3,4-dimethyl-2-oxo-2H-1-benzopyran-7-yl ester, 9CI

[91406-11-0]



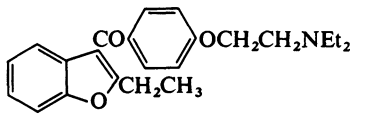
$C_{13}H_{14}O_5S$ M 282.311
Antidepressant. Cryst. (EtOH). Mp 112°.

Ger. Pat., 3 243 158, (*1984*); *CA*, **101**, 90767 (*synth*)

Etabenzarone, INN **E-00131**

[4-[2-(Diethylamino)ethoxy]phenyl](2-ethyl-3-benzofuranyl)methanone, 9CI. p-[2-(Diethylamino)-ethoxy]phenyl 2-ethyl-3-benzofuranylketone, *8CI*

[15686-63-2]



$C_{23}H_{27}NO_3$ M 365.471
Antiinflammatory agent, anticoagulant.

▷OB1804680.

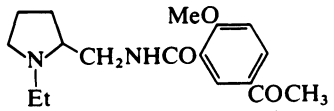
B,HCl: [73416-48-5]. Mp 114°.

Deltour, G. *et al*, *Arch. Int. Pharmacodyn.*, 1962, **139**, 234 (*pharmacol*)
Fr. Pat., 1 339 389, (*1963*); *CA*, **60**, 2893a (*synth, pharmacol*)

Etacepride, INN **E-00132**

5-Acetyl-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide, 9CI

[68788-56-7]



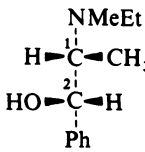
$C_{17}H_{24}N_2O_3$ M 304.388
Neuroleptic and antiemetic.

Japan. Pat., 78 105 474, (*1978*); *CA*, **90**, 38696 (*synth*)

Etafedrine, BAN, INN **E-00133**

α-[1-(Ethylmethylamino)ethyl]benzenemethanol, 9CI. N-*Ethylephedrine. 2-(Ethylmethylamino)-1-phenylpropan-1-ol. Menetyl. Novedrin*

[7681-79-0]



(*1R,2S*)-*form*
Absolute configuration

$C_{12}H_{19}NO$ M 193.288

(***1R,2S***)-*form* [48141-64-6]
L-erythro-*form*
Cryst. Mp 29-30°. $[\alpha]_D^{20}$ −15° (EtOH).

B,HCl: [530-35-8]. Cryst. Mp 183-184°. $[\alpha]_D^{20}$ −21.0° (H_2O).

▷DO5775000.

(***1RS,2RS***)-*form*
(±)-threo-*form*

B,HCl: [58917-76-3]. Cryst. ($EtOH/Et_2O$). Mp 124°.

(***1RS,2SR***)-*form* [17140-70-4]
(±)-erythro-*form*
Sympathomimetic and adrenergic bronchodilator. Oil. Bp_{15} 135-136° ($Bp_{15.5}$ 143-144.5°).

B,HCl: [5591-29-7]. *Etafedrine hydrochloride, USAN. Nethamine.* Cryst. (Me_2CO/EtOH). V. sol. H_2O, sol. EtOH. Mp 171-172° (183-184°, 175-177°). Polymorphic.

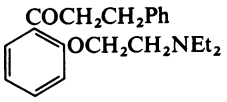
Skita, A. *et al*, *Ber.*, 1930, **63**, 34 (*synth*)
Veda, T. *et al*, *Pharm. Bull.*, 1955, **3**, 465 (*synth, pharmacol*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol., Suppl.*, 1972, **24**, 65P (*metab*)
Müller, H.K. *et al*, *J. Prakt. Chem.*, 1975, **317**, 641 (*synth*)
Barry, T.L. *et al*, *Biomed. Mass Spectrom.*, 1977, **4**, 129 (*ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2059.

Etafenone, INN E-00134

1-[2-[2-(Diethylamino)ethoxy]phenyl]-3-phenyl-1-propanone, 9CI. 2'-[2-(Diethylamino)ethoxy]-3-phenylpropiophenone, 8CI

[90-54-0]



$C_{21}H_{27}NO_2$ M 325.450

Coronary vasodilator. Bp_{30} 264-268°.

B,HCl: [2192-21-4]. *Baxacor. Dialicor. Relicor. LG 11457. Numerous proprietary names.* Mp 129-130°.

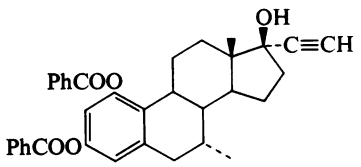
▷UH0350000.

DiPaco, G. *et al*, *Ann. Chim.* (*Rome*), 1958, 1215 (*synth*)
Hapke, H.J. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1664 (*pharmacol, metab, tox*)
Flohr, H. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1400 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6240.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9230.

Etamestrol E-00135

7α-Methyl-19-nor-17α-pregna-1,3,5(10)-trien-20-yne-1,3,17-triol 1,3-dibenzoate, 9CI. Eptamestrol. ZK 77992

[73764-72-4]



$C_{35}H_{34}O_5$ M 534.651

Oestrogen. Ovulation inhibitor. Cryst. (cyclohexane). Mp 109-110° dec.

Eur. Pat., 4 898, (*1979*); *CA*, **92**, 215641v (*synth, pharmacol*)
Leibl, H. *et al*, *Endocrinol. Exp.*, 1981, **15**, 35 (*pharmacol*)

Etaminile, INN E-00136

4-Dimethylamino-2-ethyl-2-phenylvaleronitrile, 8CI. α-[2-(Dimethylamino)propyl]-α-ethylbenzeneacetonitrile. OM 977

[15599-27-6]

$H_3CCH_2CPh(CN)CH_2CH(CH_3)NMe_2$

$C_{15}H_{22}N_2$ M 230.352

Antitussive. Bp_2 131-134°. Presumably a mixt. of diastereoisomers.

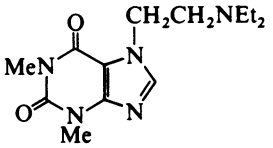
B,HCl: Mp 136-157°.

Fr. Pat., M1633, (*1963*); *CA*, **59**, 1541ac (*synth, pharmacol*)

Etamiphylline, BAN, INN E-00137

7-(2-Diethylaminoethyl)-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-(2-Diethylaminoethyl)-theophylline. Other proprietary names

[314-35-2]



$C_{13}H_{21}N_5O_2$ M 279.341

Smooth muscle relaxant. Waxy solid. Spar. sol. Et_2O, EtOH. Mp 75°.

▷XH5095000.

B,HCl: [17140-68-0]. *Millophylline.* Mp 239-241°.

▷XH5095500.

Camphorsulfonate: Etamiphylline camsylate. Mp 174°.

Compd. with heparin (1:1): [59547-58-9]. *Milheparine.* Lipid regulating agent.

Methesculetol salt: [15518-82-8]. ***Metscufylline, INN.*** *Veinartan. Venarterin.*

$C_{25}H_{31}N_5O_8$ M 529.549

Capillary protectant. Cryst. Mp 124°.

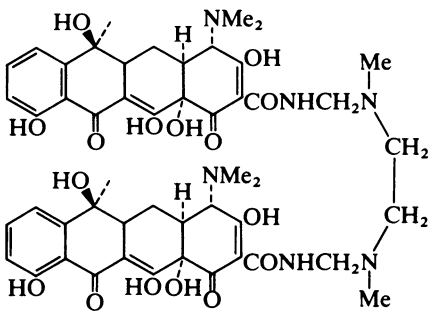
▷PC9450000.

Quevauviller, A. *et al*, *Bull. Soc. Chim. Biol.*, 1949, **31**, 532 (*synth*)
B.P., 669 070, (*1953*); *CA*, **47**, 5435 (*synth*)
Klosa, J., *Arch. Pharm.* (*Weinheim, Ger.*), 1955, **288**, 301 (*synth*)
McColl, J.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1956, **116**, 343 (*pharmacol*)
Daweke, H. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 190 (*pharmacol*)
Fr. Pat., M 1234, (*1962*); *CA*, **57**, 16769f (*synth, Metescufylline*)
Baettig, K., *Arzneim.-Forsch.*, 1971, **21**, 354 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 634, 12701.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2941 (*synonyms*)

Etamocycline, INN E-00138

N,N'-[1,2-Ethanediylbis[(methylamino)methylene]]-bis[4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, 9CI. Etamicycline. Tetroid

[15590-00-8]



$C_{50}H_{60}N_6O_{16}$ M 1001.055

Antibiotic. No def. Mp. $[\alpha]_D^{20}$ −215° (0.1*M* HCl).

B,2HCl: [15590-01-9]. Mp 220° dec.

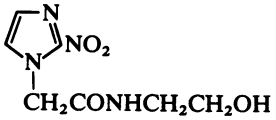
Dimaleate: [15816-58-7]. Mp 170° dec.

Fr. Pat., 1 453 301, (*1966*); *CA*, **66**, 115502 (*synth, props*)

Etanidazole, INN, USAN **E-00139**

N-(2-Hydroxyethyl)-2-nitro-1H-imidazole-1-acetamide, 9CI. SR 2508. NSC 301467

[22668-01-5]



$C_7H_{10}N_4O_4$ M 214.180

Radiosensitizer; used as an adjunct to radiotherapy. Cryst. (EtOH). Mp 162-163°.

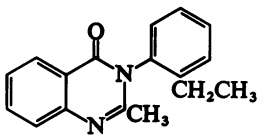
▷NI3355000.

B.P., 1 138 529, (*1969*); *CA*, **71**, 3383d (*synth*)
Eifel, P.J. *et al*, *Int. J. Radiat. Oncol., Biol. Phys.*, 1984, **10**, 1311; 1986, **12**, 1049 (*pharmacol, toxicol*)
Coleman, C.N. *et al*, *Cancer Res.*, 1987, **47**, 319.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1798.

Etaqualone, INN **E-00140**

3-(o-Ethylphenyl)-2-methyl-4(3H)-quinazolinone, 8CI. Aolan. Ethinazone

[7432-25-9]



$C_{17}H_{16}N_2O$ M 264.326

Tranquilliser, sedative, hypnotic. Mp 81°.

▷VA3380000.

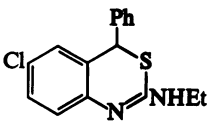
B,HCl: Mp 247°.

Parmar, S.S. *et al*, *J. Med. Chem.*, 1969, **12**, 138 (*synth, pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*uv*)

Etasuline, INN **E-00141**

6-Chloro-2-(ethylamino)-4-phenyl-4H-3,1-benzothiazine, 8CI

[16781-39-8]



$C_{16}H_{15}ClN_2S$ M 302.821

(±)-form

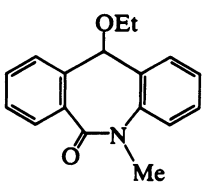
Psychotherapeutic agent. Mp 118-120°.

Netherlands Pat., 6 607 386, (*1966*); *CA*, **68**, 21941b (*synth, pharmacol*)

Etazepine, INN **E-00142**

11-Ethoxy-5,11-dihydro-5-methyl-6H-dibenz[b,e]-azepin-6-one, 9CI

[88124-27-0]



$C_{17}H_{17}NO_2$ M 267.327

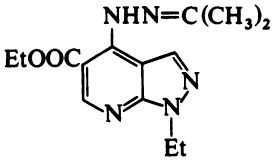
Antiepileptic. Cryst. (hexane/cyclohexane). Mp 98-100°.

Ger. Pat., 3 217 236, (*1983*); *CA*, **100**, 6356a (*synth, pharmacol*)

Etazolate, INN **E-00143**

Ethyl 1-ethyl-4-[(1-methylethylidene)hydrazino]-1H-pyrazolo[3,4-b]pyridine-5-carboxylate, 9CI

[51022-77-6]



$C_{14}H_{19}N_5O_2$ M 289.336

Phosphodiesterase inhibitor, tranquilliser. Mp 92-93°.

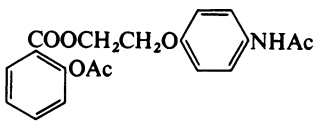
B,HCl: [35838-58-5]. *Etazolate hydrochloride, USAN. Etazole hydrochloride. SQ 20009.* Mp 193-195° dec., 210-220°.

Hoehn, H. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 235 (*synth*)
du Moulin, A. *et al*, *Experientia*, 1975, **3**, 883 (*pharmacol*)

Etersalate, INN **E-00144**

2-[4-(Acetylamino)phenoxy]ethyl 2-(acetyloxy)-benzoate, 9CI. β-Hydroxy-p-acetophenetidine salicylic acid acetate. Daital. Eterilate

[62992-61-4]



$C_{19}H_{19}NO_6$ M 357.362

Analgesic, antipyretic, platelet aggregation inhibitor. Cryst. (EtOH). Mp 142-143°.

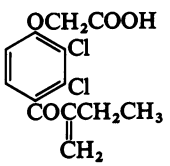
▷DG0929000.

Ger. Pat., 2 538 206, (*1977*); *CA*, **87**, 5646w (*synth, pharmacol*)
Sunkel, C. *et al*, *Arch. Farmacol. Toxicol.*, 1978, **4**, 153 (*synth*)
Sunkel, C. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1692 (*synth, pharmacol*)
Priego, J.G. *et al*, *Arch. Farmacol. Toxicol.*, 1983, **9**, 39, 183 (*pharmacol*)
Wood, S.G. *et al*, *Xenobiotica*, 1983, **13**, 731 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3553.

Ethacrynic acid, BAN, USAN **E-00145**

[2,3-Dichloro-4-(2-methylene-1-oxobutyl)phenoxy]-acetic acid, 9CI. [*2,3-Dichloro-4-(2-methylenebutyryl)-phenoxy]acetic acid, 8CI.* **Etacrynic acid,** INN, **JAN**. *Acetacrin. Edecrin. NSC 85791. Other proprietary names*

[58-54-8]



$C_{13}H_{12}Cl_2O_4$ M 303.141

Diuretic. Mp 122°. Also used as Na salt.

▷AG6600000.

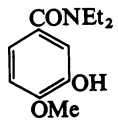
Schultz, E.M. *et al*, *J. Med. Chem.*, 1962, **5**, 660 (*synth*)
Beyer, K.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1965, **147**, 1 (*pharmacol*)

Peters, G. *et al*, *Hand. Exp. Pharmacol.*, 1969, **24**, 405 (*rev*)
Kim, K.E. *et al*, *Am. J. Cardiol.*, 1971, **27**, 407 (*rev, pharmacol*)
Williamson, H.E. *et al*, *J. Clin. Pharmacol.*, 1977, **17**, 663 (*pharmacol*)
Lamotte, J. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 2636 (*cryst struct*)
Koechel, D.A., *Annu. Rev. Pharmacol. Toxicol.*, 1981, **21**, 265 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2693 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2328, 2363.

Ethamivan, BAN, USAN E-00146

N,N-*Diethyl-4-hydroxy-3-methoxybenzamide, 9CI.*
N,N-*Diethylvanillamide, 8CI.* ***Etamivan, INN****. Emivan. Vandid. Other proprietary names*

[304-84-7]



$C_{12}H_{17}NO_3$ M 223.271

Central and respiratory stimulant. Needles (pet. ether). Mp 95-96°.

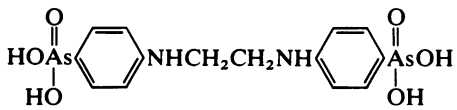
▷YW5250000.

Kratzl, K. *et al*, *Monatsh. Chem.*, 1952, **83**, 18 (*synth*)
Buckley, J.P. *et al*, *J. Pharm. Sci.*, 1962, **51**, 157 (*pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Ger. Pat., 1 812 206, (*1969*); *CA*, **71**, 124014t (*synth*)
Franz, D.N., *Pharmacol. Basis Ther. 5th Ed.*, 1975, 359 (*rev*)
Hirsh, K. *et al*, *J. Pharmacol. Exp. Ther.*, 1975, **193**, 659 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 614 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2470 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1422.

[1,2-Ethanediylbis(imino-4,1-phenylene)]-bisarsonic acid, 9CI E-00147

N,N′-*Ethylenediarsonilic acid, 8CI.* ***Difetarsone, INN, BAN****. Amebarsin. Bemersal. Rodamab. RP 4763*

[3639-19-8]



$C_{14}H_{18}As_2N_2O_6$ M 460.149

Antiamoebic agent.

▷Toxic

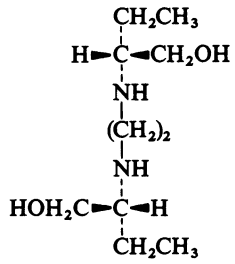
Di-Na salt: [515-76-4]. Sol. H_2O. No definite Mp.
Spiramycin salt: Antiamoebic agent. $[\alpha]_D^{20}$ −56°.

Hamilton, C.S., *J. Am. Chem. Soc.*, 1923, **45**, 2751 (*synth*)
B.P., 796 486, (*1958*); *CA*, **53**, 11261 (*deriv*)
Cristan, B. *et al*, *Ann. Pharm. Fr.*, 1972, **30**, 65 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4775, 4776.

2,2′-(1,2-Ethanediyldiimino)bis(1-butanol), 9CI E-00148

2,2′-(Ethylenediimino)di-1-butanol, 8CI. N,N′-*Di(1-hydroxymethylpropyl)ethylenediamine*

[3577-94-4]



(*R,R*)-*form*

$C_{10}H_{24}N_2O_2$ M 204.312

(***R,R***)-*form* [10054-05-4]

Mp 89-90°.

B,2HCl: [10054-05-4]. Mp 200.5-201.5°.

(***S,S***)-*form* [74-55-5]

L-form. ***Ethambutol, BAN, INN****. Etambutol. Numerous proprietary names*

Antibacterial, esp. tuberculostatic. Cryst. ($CHCl_3$/pet. ether). Mp 87.5-88.8°. $[\alpha]_D^{24}$ +13.7° (c, 2 in H_2O).

▷EL3640000.

B,2HCl: [1070-11-7]. *Ethambutol hydrochloride, USAN. Myambutol.* Mp 198.5-200.3°. $[\alpha]_D^{25}$ +5.5° (H_2O).

▷EL3854000.

Compd. with 4-Pyridinecarboxylic acid 2-(sulfomethyl)-hydroxide (1:2): [41663-50-7]. *Ethambutol methaniazide. Isoetam. Izoetam.*

(***RS,RS***)-*form* [36697-71-9]

(±)-*form*

Mp 75-76°.

$Bp_{0.3}$ 160-170°.

B,2HCl: [22196-75-4]. Mp 179-180°.

(***RS,SR***)-*form*

meso-*form*

Mp 135.8-136.5°.

B,HCl: Mp 203.5-204.6°.

Wilkinson, R.G. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 2212 (*synth*)
B.P., 1 294 299, (*1972*); *CA*, **78**, 62183 (*salt*)
Bernardi, L. *et al*, *Chim. Ind. (Milan)*, 1974, **56**, 347 (*synth*)
Butala, I. *et al*, *Justus Liebigs Ann. Chem.*, 1976, 1455 (*synth*)
Lee, C.S. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 231 (*rev*)
Beggs, W.H., *Antibiotics (N.Y.)*, 1979, **5**, 43 (*rev, pharmacol*)
Han, J.O. *et al*, *CA*, 1979, **91**, 140265 (*synth*)
Hamalainen, R. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1985, **318** (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1795 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7556.

Ethanol, 9CI E-00149

Ethyl alcohol. Hydroxyethane. Alcohol

[64-17-5]

H_3CCH_2OH

C_2H_6O M 46.069

Produced by fermentation of sugars, carbohydrates, starch. Manuf. from synthesis gas, ethylene, ethyne, sulphite waste liquors, etc. Intoxicating constit. of all alcoholic beverages. Also used as a solvent, antiseptic, sedative, in manuf. of perfumes,

drugs etc. Gasoline additive/substitute. Very mobile liq., with pleasant odour and burning taste. Misc. H_2O, most org. solvs. d_4^{20} 0.7893. Fp −117.3° (−112.3°). Bp 78.5°, Bp_{130} 39.8°, Bp_{16} 4°. $n_D^{20.5}$ 1.3610. Hygroscopic, forming an azeotrope contg. 4.43% wt H_2O, Bp 78.15°. Crit. point 243° (62.7 atm.). Mol. Bp elevation 11.7°. Is obt. anhyd. by azeotropic distillation with C_6H_6 or by dehydration with K_2CO_3, CaO, $CaSO_4$, etc.

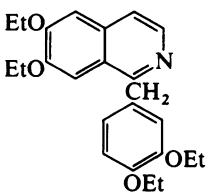
▷TLV 1900. Highly flammable, flash p. 12°. Reacts violently with a wide range of oxidants. KQ6300000.

Jönsson, P.-G., *Acta Crystallogr., Sect. B*, 1976, **32**, 232 (*cryst struct*)
Kirk-Othmer Encycl. Chem. Technol., 1980, **9**, 338 (*rev, bibl*)
Goldstein, D.B., *Pharmacology of Alcohol*, Oxford Univ. Press, 1983 (*book*)
Holford, N.H.G., *Clin. Pharmacokinet.*, 1987, **13**, 273 (*rev*)
Pohorecky, L.A. *et al*, *Pharmacol. Ther.*, 1988, **36**, 335 (*rev, pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 928.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 551.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 392.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 320.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1316.

Ethaverine, INN E-00150

1-[(3,4-Diethoxyphenyl)methyl]-6,7-diethoxyisoquinoline, 9CI. 1-(3,4-Diethoxybenzyl)-6,7-diethoxysoquinoline, 8CI. Barbonine. Dyscural. Ethylpapaverine. Tetraethylpapaverine. Numerous proprietary names

[486-47-5]



$C_{24}H_{29}NO_4$ M 395.497

Antispasmodic, vasodilator and antiarrhythmic agent. Cryst. (EtOH/Et_2O). Spar. sol. Et_2O, $CHCl_3$. Mp 99-101°.

▷NW7524000.

B,HCl: [985-13-7]. *Paveroid. Neopavrin.* Cryst. (EtOH). Mp 186-188° dec.

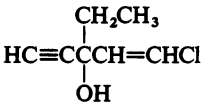
▷NW7524100.

Weijlard, J. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1889 (*synth*)
Shepard, E.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4364 (*synth*)
Dobrowsky, I.A., *Monatsh. Chem.*, 1951, **82**, 122 (*synth*)
Galat, A., *J. Am. Chem. Soc.*, 1951, **73**, 3654 (*synth*)
Goldberg, A.A. *et al*, *J. Pharm. Pharmacol.*, 1954, **6**, 171 (*pharmacol*)
Toth, C.E. *et al*, *Arch. Int. Pharmacol. Ther.*, 1966, **162**, 723 (*pharmacol*)
Asby, G.R. *et al*, *Curr. Ther. Res.*, 1974, **16**, 1096 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7105 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5232.

Ethchlorvynol, BAN, INN E-00151

1-Chloro-3-ethyl-1-penten-4-yn-3-ol, 9CI, 8CI. β-Chlorovinylethylethynylcarbinol. Alvinol. Arvynol. Ethchlorovynol. Normoson. Nostel. Placidyl. Quantum. Roeridorm. Serenesil. AB 1404

[113-18-8]



C_7H_9ClO M 144.601

Hypnotic, sedative. Also used as an animal appetite- and growth stimulant. Liq. with pungent, aromatic odour, slowly darkening on exp. to light and air. Misc. most org. solvents, immisc. H_2O. d_4^{25} 1.065-1.070. Bp 173-174°, $Bp_{0.1}$ 28.5-30°. Bp also recorded as 181°.

▷SB4725000.

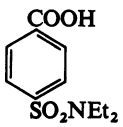
Carbamoyl deriv. (carbamate):
$C_8H_{10}ClNO_2$ M 187.626
Cryst. Mp 100-101.2°.

McLamore, W.M. *et al*, *J. Org. Chem.*, 1955, **20**, 109, 1379 (*prep, pharmacol*)
P'an, S.Y. *et al*, *J. Pharmacol. Exp. Ther.*, 1955, **114**, 326 (*pharmacol*)
U.S.P., 2 746 900, (*1956*); *CA*, **51**, 1243 (*synth*)
Cummins, L.M. *et al*, *J. Pharm. Sci.*, 1971, **60**, 261 (*metab*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 618 (*ms*)
Horwitz, J.P. *et al*, *Drug Metab. Dispos.*, 1980, **8**, 77 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4031.

Ethebenecid, BAN E-00152

4-[(Diethylamino)sulfonyl]benzoic acid, 9CI. p-(Diethylsulfamoyl)benzoic acid, 8CI. 4-Diethylsulfamoylbenzoic acid. ***Etebenecid, INN****. Antidipsin. Etamid. Longacid. Urelim. NSC 140115*

[1213-06-5]



$C_{11}H_{15}NO_4S$ M 257.304

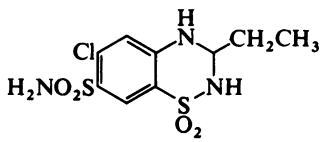
Uricosuric agent. Mp 193-194°. Inhibits penicillin excretion.

Gilman, H. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1537 (*synth*)
Goldberg, A.A. *et al*, *J. Chem. Soc.*, 1960, 1408 (*synth*)
Huang, K.C. *et al*, *Am. J. Physiol.*, 1965, **208**, 391 (*pharmacol*)
Israili, Z.H. *et al*, *J. Med. Chem.*, 1972, **15**, 709 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1006.

Ethiazide, BAN, INN, JAN E-00153

6-Chloro-3-ethyl-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Eclotizidum. Neo-Diuresal

[1824-58-4]



$C_9H_{12}ClN_3O_4S_2$ M 325.785

(±)-form

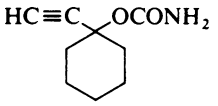
Diuretic. Cryst. ($THF/CHCl_3$). Mp 269-270°.

Close, W.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1132 (*synth*)
B.P., 861 367, (*1961*); *CA*, **55**, 19969 (*synth*)
Topliss, J.G. *et al*, *J. Org. Chem.*, 1961, **26**, 3842 (*synth*)
Taylor, R.M. *et al*, *J. Med. Chem.*, 1962, **5**, 312 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2329.

Ethinamate, BAN, INN E-00154

1-Ethynylcyclohexanol carbamate, 9CI, 8CI. 1-Ethynylcyclohexyl carbamate. Valamin. Valmid. Valmidate. Volamin

[126-52-3]



$C_9H_{13}NO_2$ M 167.207

Short-duration hypnotic and sedative. Used as an immobiliser for birds. Rods or needles (cyclohexane). V. sol. EtOH, spar. sol. hexane, v. spar. sol. H_2O. Mp 96-98° (112°). Bp_3 118-122° (108-110°).

▷GV9275000.

Gruber, C.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1954, **112**, 480 (*pharmacol*)
Keil, W. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 477 (*pharmacol*)
Swanson, E.E. *et al*, *J. Am. Pharm. Assoc.*, 1956, **45**, 40 (*pharmacol, tox*)
U.S.P., 2 816 910, (*1957*); *CA*, **52**, 4684 (*synth, pharmacol*)
v. Camp, A. *et al*, *J. Am. Pharm. Assoc.*, 1957, **46**, 571 (*cryst struct*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 646 (*ms*)
Clifford, J.M. *et al*, *Clin. Pharmacol. Ther.*, 1974, **16**, 376 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4032.

Ethiofos, USAN E-00155

2-[(3-Aminopropyl)amino]ethanethiol dihydrogen phosphate, 8CI. ***Amifostine, INN****. Fosteamine. Gammaphos. APAETF. SAPEP. NSC 296961. WR 2721. YM 038310*Ed

[20537-88-6]

$H_2NCH_2CH_2CH_2NHCH_2CH_2SP(O)(OH)_2$

$C_5H_{15}N_2O_3PS$ M 214.219

Radioprotective and mucolytic agent. Mp 160-161°.

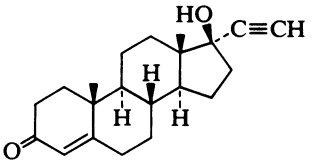
▷TE6491000.

Piper, J.R. *et al*, *J. Med. Chem.*, 1969, **12**, 236 (*synth, pharmacol*)
Rozman, R.S., *Anal. Chem.*, 1976, **48**, 989 (*tlc*)
Phillips, T.L., *Cancer Clin. Trials*, 1980, **3**, 165.
Laduranty, J. *et al*, *Bull. Soc. Chim. Belg.*, 1984, **93**, 903 (*synth*)
Karle, J.M. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 135 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17040.

Ethisterone, BAN, INN E-00156

17α-Hydroxy-4-pregnen-20-yn-3-one. 17-Ethynyltestosterone. Etisteron. Pregneninolone. Pregnin. Numerous proprietary synonyms

[434-03-7]



$C_{21}H_{28}O_2$ M 312.451

Orally effective progestational steroid, about one-third the activity of progesterone by subcutaneous route but more active orally. Cryst. ($CHCl_3$/Me_2CO or EtOAc), needles (EtOH). Mp 270-272°. $[\alpha]_D^{20}$ +22.5° (dioxan), $[\alpha]_D$ +21° ($CHCl_3$).

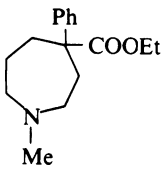
▷TU5570250.

Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1938, **21**, 371 (*synth*)
Inhoffen, H.H., *Chem. Ber.*, 1939, **72**, 595 (*synth*)
Dorfman, R.I. *et al*, *Endocrinology*, 1948, **42**, 77 (*metab*)
Desaulles, P.A. *et al*, *Acta Endocrinol.*, 1962, **40**, 217; 1964, **47**, 444 (*pharmacol*)
Akhrem, A.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, **3**, 601 (*pmr*)
Gunatilaka, A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1978, 980 (*synth*)
Horvath, G. *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1280 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6284 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9044.

Ethoheptazine, BAN, INN E-00157

Ethyl hexahydro-1-methyl-4-phenyl-1H-azepine-4-carboxylate, 9CI, 8CI. 4-Carbethoxy-1-methyl-4-phenylhexamethylenimine. 4-Carbethoxymethyl-4-phenylazacycloheptane. Ethylheptazine. Heptacyclazine. Nystal. Panalgin. Zactane. Wy 401

[77-15-6]



$C_{16}H_{23}NO_2$ M 261.363

▷CM2800000.

(±)-form [1149-87-7]

Analgesic. Liq. d_4^{26} 1.038. Bp_1 133-134°, $Bp_{0.3}$ 128-130°. Constit. of Ethogesic, Zachpar and Zactirin as the citrate.

B,HCl: [5982-61-6]. Cryst. (EtOAc/Et_2O). Mp 151-153° (139-141°).

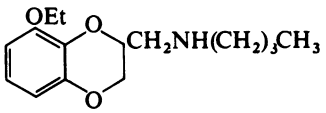
Picrate: Cryst. (MeOH). Mp 169-170°.

Diamond, J. *et al*, *J. Org. Chem.*, 1957, **22**, 399 (*synth*)
Walkenstein, S.S. *et al*, *J. Am. Pharm. Assoc.*, 1958, **47**, 20 (*metab*)
O'Dell, T.B., *Arch. Int. Pharmacodyn. Ther.*, 1961, **134**, 154 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6225.

Ethomoxane, BAN, INN **E-00158**

N-Butyl-8-ethoxy-2,3-dihydro-1,4-benzodioxin-2-methanamine, 9CI. 2-(Butylaminomethyl)-8-ethoxy-1,4-benzodioxan. Ethoxybutamoxane

[3570-46-5]



$C_{15}H_{23}NO_3$ M 265.352

▷DF3490000.

(−)-form

Oil. $Bp_{0.05}$ 158-159°.

B,HCl: Mp 192-193°. $[\alpha]_D$ −54.5° (EtOH).

(±)-form [16509-23-2]

Adrenaline antagonist, tranquilliser. Oil. $Bp_{0.1}$ 115-120°.

▷DF3500000.

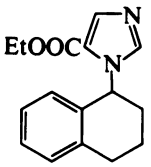
B,HCl: [6038-78-4]. Mp 196-197°.

U.S.P., 2 922 744, (*1960*); *CA*, **54**, 17426 (*synth*)
McMahon, R.E. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2864 (*metab*)
Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12703.

Ethonam **E-00159**

Ethyl 1-(1,2,3,4-tetrahydro-1-naphthalenyl)-1H-imidazole-5-carboxylate, 9CI. Ethyl 1-(1,2,3,4-tetrahydro-1-naphthyl)imidazole-5-carboxylate, 8CI. Ethonamidate. ***Etonam, INN.*** *R 10100*

[15037-44-2]



$C_{16}H_{18}N_2O_2$ M 270.330

Antifungal, bud growth inhibitor.

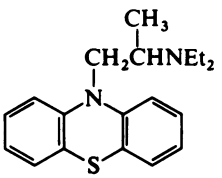
B,HNO₃: [15037-55-5]. *Ethonam nitrate, USAN.* Mp 135-137°.

Godefroi, J.v.C. *et al*, *J. Med. Chem.*, 1967, **10**, 1160 (*synth, pharmacol*)
U.S.P., 3 873 297, (*1975*); *CA*, **84**, 131489y (*synth, use*)

Ethopropazine, BAN **E-00160**

N,N-Diethyl-α-methyl-10H-phenothiazine-10-ethanamine, 9CI. 10-(2-Diethylaminopropyl)phenothiazine. ***Profenamine, INN.*** *Isothazone. Isothiazine. Other proprietary names*

[522-00-9]



$C_{19}H_{24}N_2S$ M 312.472

Parasympatholytic agent used against parkinsonism. Anticholinergic. Mp 53-55°.

▷SO4900000.

B,HCl: [1094-08-2]. *Ethopropazine hydrochloride, USAN. Pardisol. Lysivane.* Cryst. (CH_2Cl_2). Mp 223-225° dec.

Reuse, J., *Compt. Rend. Soc. Biol.*, 1950, **144**, 1563 (*pharmacol*)
Charpentier, P. *et al*, *Compt. Rend.*, 1951, **232**, 415 (*synth*)
U.S.P., 2 607 773, (*1952*); *CA*, **47**, 6989i (*synth*)
Genzer, J.D. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2506 (*resoln*)
Marsau, P. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 2058 (*cryst struct*)

4-Ethoxyaniline **E-00161**

4-Ethoxybenzenamine, 9CI. p-*Phenetidine, 8CI.* p-*Aminophenetole.* p-*Aminophenol ethyl ether*

[156-43-4]

$C_8H_{11}NO$ M 137.181

Mp 4°. Bp 253°, Bp_{10} 103-104°. pK_a 5.25.

▷Highly toxic and irritant. SI6465500.

N-Ac: [62-44-2]. *N-(4-Ethoxyphenyl)acetamide, 9CI.* p-*Acetophenetidide, 8CI.* ***Phenacetin, INN.*** *Other proprietary names.*
$C_{10}H_{13}NO_2$ M 179.218
Antipyretic and antineuralgic. Mp 137-138°. Bp 242-245°.

▷AM4375000.

N-Me, N-Ac: [7298-73-9]. *N-Methylphenacetin.*
$C_9H_{13}NO$ M 151.208
Bp 251°, Bp_4 102-104°.

▷AM4450000.

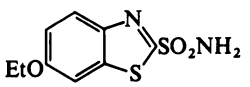
N-(Hydroxyacetyl): [22521-79-5]. *N-(4-Ethoxyphenyl)-2-hydroxyacetamide, 9CI.* ***Fenacetinol, INN.*** *p-(Glycolophenetidide), 8CI. PM 1952.*
$C_{10}H_{13}NO_3$ M 195.218
Analgesic. Mp 154°.

Hinsberg, O., *Justus Liebigs Ann. Chem.*, 1899, **305**, 276.
Wedekind, E. *et al*, *Ber.*, 1907, **40**, 1001.
Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 6322 (*Fenacetinol*)
Mikhant'ev, B.I. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 3050.
Shostakovskii, M.F. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 3226.
Stroh, H.H. *et al*, *Chem. Ber.*, 1963, **96**, 184.
Fr. Pat., CAM115, (*1966*); *CA*, **70**, 106231m (*synth, pharmacol, Fenacetinol*)
Shelley, J.H. *et al*, *Clin. Pharmacol. Ther.*, 1967, **8**, 427 (*rev, Phenacetin*)
Kiese, M. *et al*, *Biochem. Pharmacol.*, 1969, **18**, 1325 (*uv, ir, nmr*)
Gillette, J.R. *et al*, *Adv. Exp. Med. Biol.*, 1982, **136B**, 931 (*rev, Phenacetin*)
Patel, U. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1445 (*Phenacetin*)
O'Connor, C.J. *et al*, *Aust. J Chem.*, 1984, **37**, 497 (*Phenacetin, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1590 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2681.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 897.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 321.

6-Ethoxy-2-benzothiazolesulfonamide, 9CI, 8CI **E-00162**

Ethoxzolamide. 6-Ethoxythiazolesulfonamide. Cardrase. Ethamide. U-4191. Numerous proprietary names

[452-35-7]



$C_9H_{10}N_2O_3S_2$ M 258.310

Diuretic, carbonic anhydrase inhibitor. Sl. yellow powder. Sl. sol. EtOH, $CHCl_3$, Et_2O. Mp 192°.

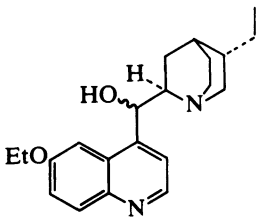
▷Teratogenic. DL6390000.

Nechay, B.R., *J. Pharmacol. Exp. Ther.*, 1964, **144**, 276 (*pharmacol*)
Sammul, O.R. *et al*, *J. Ass. Offic. Agr. Chem.*, 1964, **47**, 918 (*ir*)
Machon, Z. *et al*, *Acta Polon. Pharm.*, 1965, **22**, 319 (*synth*)
Moskalyk, R.E. *et al*, *J. Pharm. Sci.*, 1975, **64**, 1406 (*hplc*)
Larsen, R.D., *et al*, *Synth. Commun.*, 1986, **16**, 899 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1174 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2330.

6'-Ethoxy-10,11-dihydrocinchonan-9-ol, 9CI E-00163

Ethylhydrocuprein. *Neumolisina. Neumolysin. Numoquin. Optochin. Optoquine*

[522-60-1]



$C_{21}H_{28}N_2O_2$ M 340.464

Antibacterial (ophthalmologic) agent. Bitter cryst. Mp 123-128°. $[\alpha]_D^{25}$ −136.2° (EtOH).

▷MW5950000.

B,HCl: [3413-58-9]. Rhombic cryst. (Me_2CO/Et_2O). Mp 252-254°. $[\alpha]_D^{21}$ −123.6° (H_2O).

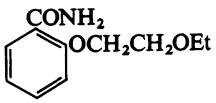
▷MW6300000.

U.S.P., 1 062 203, (*1913*) (*use*)
Giemsa, G. *et al*, *Ber.*, 1918, **51**, 1325 (*synth*)
Muira, K., *CA*, 1947, **41**, 4582 (*synth, pharmacol*)

2-(2-Ethoxyethoxy)benzamide, 8CI E-00164

Ethosalamide, BAN. *Etosalamide, INN. Ap 2*

[15302-15-5]



$C_{11}H_{15}NO_3$ M 209.244

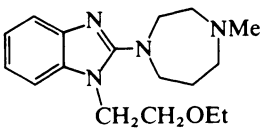
Analgesic, antipyretic. Cryst. (2-propanol aq.). Mp 78° (70-71.5°).

B.P., 774 635, (*1957*); *CA*, **51**, 16564 (*synth, pharmacol*)
Meldrum, B.W. *et al*, *J. Chem. Eng. Data*, 1962, **7**, 265 (*synth*)
Cummings, A.J., *J. Pharm. Pharmacol.*, 1963, **15**, 212 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2642.

1-(2-Ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)benzimidazole E-00166

1-(2-Ethoxyethyl)-2-(hexahydro-4-methyl-1H-1,4-diazepin-1-yl)-1H-benzimidazole

[87233-61-2]



$C_{17}H_{26}N_4O$ M 302.419

Antiallergic agent showing low toxicity in exp. animals. Oil.

Difumarate: [87233-62-3]. *KB 2413.*
$C_{25}H_{34}N_4O_9$ M 534.565
Needles (EtOAc/EtOH). Mp 141-143°.

Eur. Pat., 79 545, (*1983*); *CA*, **99**, 139971e (*synth*)
Fukuda, T. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 801, 805, 811, 816.
Hamada, T. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1168 (*glc*)
Iemura, R. *et al*, *J. Med. Chem.*, 1986, **29**, 1178 (*synth*)

1-Ethoxy-2-methylpropane, 9CI E-00167

Ethyl isobutyl ether, 8CI

[627-02-1]

$(H_3C)_2CHCH_2OEt$

$C_6H_{14}O$ M 102.176

Possesses anaesthetic activity. Liq. Bp 80-83°.

Lippert, W., *Justus Liebigs Ann. Chem.*, 1893, **276**, 148 (*synth*)
Marks, E.M. *et al*, *J. Am. Chem. Soc.*, 1937, **59**, 946 (*synth*)
Sen Gupta, S.B. *et al*, *J. Indian Chem. Soc., Ind. News Ed.*, 1950, **13**, 259 (*synth*)
Tsang, C.W. *et al*, *Org. Mass Spectrom.*, 1970, **3**, 647 (*ms*)
Glave, W.R. *et al*, *J. Pharm. Sci.*, 1972, **61**, 589 (*pharmacol*)

3-Ethoxy-2-oxobutanal, 9CI E-00168

3-Ethoxy-2-oxobutyraldehyde, 8CI

$H_3CCH(OEt)COCHO$

$C_6H_{10}O_3$ M 130.143

Exists largely in hydrated form. Yellow, oily liq. Misc. EtOH, C_6H_6, spar. sol. H_2O. Bp 145°, Bp_{11} 59°

▷EL8550000.

Hydrate: [27762-78-3]. *3-Ethoxy-1,1-dihydroxy-2-butanone, 9CI.* ***Kethoxal, USAN***. *Ketoxal. U 2032.*
$C_6H_{12}O_4$ M 148.158
Has antiviral properties and is used as an anaplasmodastat. Pale-yellow syrup.

▷EL8550000.

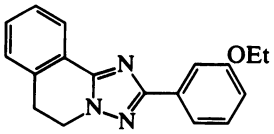
Bissemicarbazone: Cryst. Mp 239-240°.
Bis-2,4-dinitrophenylhydrazone: Cryst. Mp 230°

Rappen, L., *J. Prakt. Chem.*, 1941, **157**, 177 (*synth*)
Tiffany, B.D. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 1682 (*synth, props*)
Petering, H.G. *et al*, *Cancer Res.*, 1964, **24**, 367 (*activity*)
Kuehne, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1977, **11**, 683 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12788.

2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]-triazolo[5,1-*a*]isoquinoline, 9CI E-00169

*DL 204*IT. *L 11204*

[55308-64-0]



$C_{18}H_{17}N_3O$ M 291.352

Antifertility agent. Mp 102-103°.

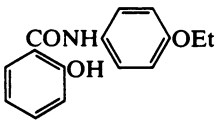
▷XZ5478800.

U.S.P., 4 075 341, (*1978*); *CA*, **89**, 24316 (*synth, pharmacol*)
Galliani, G. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 972 (*pharmacol*)
Assandri, A. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 2104 (*metab*)

N-(4-Ethoxyphenyl)-2-hydroxybenzamide, 9CI E-00170

Salicylo-p-*phenetidide. Salicylphenetidin. Saliphen*

[64700-55-6]



$C_{15}H_{15}NO_3$ M 257.288

Antipyretic, antirheumatic agent. Cryst. (EtOH). Mp 146°.

O-*Ac:*

$C_{17}H_{17}NO_4$ M 299.326

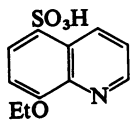
Cryst. (Me_2CO). Mp 134°.

Weizmann, C. *et al*, *J. Org. Chem.*, 1948, **13**, 796 (*synth, bibl*)
Profft, E. *et al*, *Pharmazie*, 1962, **17**, 731 (*synth, props*)

8-Ethoxy-5-quinolinesulfonic acid, 9CI, 8CI E-00171

Actinoquinol, INN

[15301-40-3]



$C_{11}H_{11}NO_4S$ M 253.272

Ultraviolet screen. Brown needles (H_2O). Mp 286-288° dec.

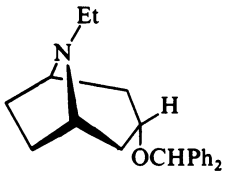
Na salt: [7246-07-3]. *Actinoquinol sodium, USAN. Etoquinol sodium. Sodium etoquinol. Sodium tequinol. Corodenin. Uviban.*

Ghosh, T.N. *et al*, *J. Indian Chem. Soc.*, 1945, **22**, 39 (*synth*)
Dorier, P. *et al*, *Trav. Soc. Pharm. Montpellier*, 1954, **14**, 152 (*pharmacol*)

Ethybenztropine, BAN, USAN E-00172

3-(Diphenylmethoxy)-8-ethyl-8-azabicyclo[3.2.1]-octane, 9CI. 3α-(Diphenylmethoxy)-8-ethyl-1αH,5αH-nortropane, 8CI. ***Etybenzatropine, INN****. Tropethydrylin. Panolid. UK 738*

[524-83-4]



α-form

$C_{22}H_{27}NO$ M 321.461

Anticholinergic drug.

▷RD0525000.

B,HBr: [24815-25-6]. Cryst. ($MeOH/Et_2O$). Mp 230-231°.

B,HCl: [26598-44-7]. Cryst. (Me_2CO). Mp 190-191°.

Jucker, E. *et al*, *Helv. Chim. Acta*, 1959, **42**, 2451 (*synth*)
Haley, T.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1963, **144**, 555 (*pharmacol*)

***N*-Ethylacetamide, 9CI, 8CI** E-00173

N-*Ethylethanamide*

[625-50-3]

$H_3CCONHEt$

C_4H_9NO M 87.121

Found in tea and wine. Has antispasmodic activity. Oily liq. Sol. H_2O, EtOH, Et_2O. Bp 205°, $Bp_{0.15}$ 66°.

▷AB8500000.

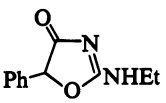
B,HCl: Deliquescent needles. Mp 60°.

Wallach, O., *Justus Liebigs Ann. Chem.*, 1873, **184**, 108 (*synth*)
Titherley, A.W., *J. Chem. Soc.*, 1901, **79**, 391 (*synth*)
Fr. Pat., 2 067 629, (*1971*); *CA*, **77**, 4977 (*purifn*)
Schreier, P. *et al*, *Z. Lebensm.-Unters. Forsch.*, 1975, **157**, 34 (*isol, ms*)
Kisfaludy, L. *et al*, *J. Org. Chem.*, 1979, **44**, 654 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 648.

2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, 9CI E-00174

2-Ethylamino-4-oxo-5-phenyl-2-oxazoline, 8CI. ***Fenozolone, INN****. LD 3394. Ordinator*

[15302-16-6]



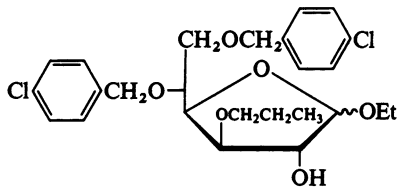
$C_{11}H_{12}N_2O_2$ M 204.228

Psychostimulant, anorectic agent. Mp 148°.

▷RQ5787500.

Ger. Pat., 1 297 108, (*1969*); *CA*, **71**, 70586k (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12741.

Ethyl 5,6-bis-*O*-(4-chlorobenzyl)-3-*O*-propyl glucoside E-00175



$C_{25}H_{32}Cl_2O_6$ M 499.430

D-furanose-form [29899-95-4]

Clobenoside, INN. *Ciba 43853*

Antiinflammatory agent. Yellowish oil. $Bp_{0.03}$ 220°. $[\alpha]_D^{20}$ −24° (c, 1.0 in $CHCl_3$).

B.P., 1 246 117, (*1971*); *CA*, **76**, 34536p (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1982.

Ethyl butylcarbamate, 9CI E-00176

Ethyl 1-butylaminoformate. Butylurethane

[591-62-8]

$H_3C(CH_2)_3NHCOOEt$

$C_7H_{15}NO_2$ M 145.201

Used as mosquito repellant. Liq. Fp −22°. $Bp_{765.5}$ 202-203°, Bp_{15} 100°.

▷EZ0350000.

Werner, E.A., *J. Chem. Soc.*, 1919, **115**, 1013 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 452.

Ethyl carbamate, 9CI E-00177

Urethane, INN. *Ethyl aminoformate. Ethyl urethane. Leucethane. Pracarbamin. NSC 746*

[51-79-6]

$H_2NCOOEt$

$C_3H_7NO_2$ M 89.094

Used as a solv. and in the manuf. of resins. Also an antineoplastic agent, a fish narcotic and (formerly) a hypnotic in clinical use. Prisms (C_6H_6 or toluene) with cooling, saline taste. V. sol. H_2O, EtOH, Et_2O, $CHCl_3$, C_6H_6, spar. sol. ligroin. d 1.1. Mp 49-50°. Bp 184° subl., Bp_{54} 103°. Aq. solution at 130° → Urea.

▷Exp. carcinogen and teratogen. FA8400000.

N-*Nitroso:* [22012-90-4]. *Ethyl* N-*nitrosocarbamate.*
$C_3H_6N_2O_3$ M 118.092
Yellow needles (ligroin). V. sol. EtOH, Et_2O, Me_2CO, sol. H_2O, spar. sol. ligroin. Mp 51-52° dec.

▷Carcinogenic

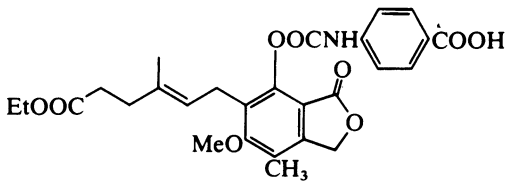
N,N-*Dichloro:* [13698-16-3]. N,N-*Dichlorourethane. DCU.*
$C_3H_5Cl_2NO_2$ M 157.984
Reactive pseudohalogen, adds to alkenes. Yellow liq. Bp_{15} 60°. n_D^{20} 1.4594.

Guerci, L., *CA*, 1922, **16**, 2481 (*synth*)
Mirvish, S.S., *Adv. Cancer Res.*, 1968, **11**, 1 (*rev, pharmacol*)
Tartler, G. *et al*, *CA*, 1969, **70**, 37331 (*synth*)
Vishnyakova, T.P. *et al*, *CA*, 1969, **71**, 101267 (*synth*)
Fuks, R. *et al*, *Bull. Soc. Chim. Belg.*, 1973, **82**, 23 (*synth*)
Tatsumi, K. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 351 (*metab*)
Maggi, C.A. *et al*, *Experientia*, 1986, **42**, 109, 292, 531 (*rev, pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 121 (*rev, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1877.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 653, 868.

Ethyl *O*-[*N*-(*p*-carboxyphenyl)carbamoyl]-mycophenolate E-00178

4-[[[[5-(6-Ethoxy-3-methyl-6-oxo-2-hexenyl)-1,3-dihydro-6-methoxy-7-methyl-3-oxo-4-isobenzofuranyl]oxy]carbonyl]amino]benzoic acid, 9CI. CAM. NSC 297879D

[40449-96-5]



$C_{27}H_{29}NO_9$ M 511.527

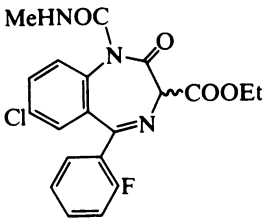
Antineoplastic agent. Cryst. ($EtOH/C_6H_6$/hexane). Mp 185-186° dec.

Ger. Pat., 2 237 549, (*1973*); *CA*, **78**, 124432 (*synth*)
Ohsugi, Y. *et al*, *Cancer Res.*, 1976, **36**, 2923 (*pharmacol*)
Suzuki, S. *et al*, *J. Antibiot.*, 1976, **29**, 275, 286 (*props*)
Mitsui, H. *et al*, *Gann.*, 1981, **72**, 66 (*pharmacol*)
Matsuzawa, Y. *et al*, *J. Pharmacobio.-Dyn.*, 1984, **7**, 776.

Ethyl carfluzepate, INN E-00179

7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-1-[(methylamino)carbonyl]-2-oxo-1H-1,4-benzodiazepine-3-carboxylic acid ethyl ester, 9CI. CM 7120

[65400-85-3]



$C_{20}H_{17}ClFN_3O_4$ M 417.823

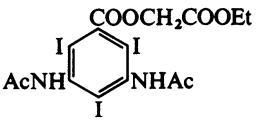
Anxiolytic. Sedative. Cryst. (Et_2O). Mp 169°.

Ger. Pat., 2 719 608, (*1977*); *CA*, **88**, 62430 (*synth, pharmacol*)

Ethyl cartrizoate, INN E-00180

Ethyl (3,5-diacetamido-2,4,6-triiodobenzoyloxy)-acetate, 8CI. Win 12901

[5714-09-0]

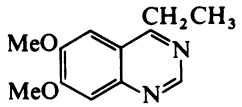


$C_{15}H_{15}I_3N_2O_6$ M 700.007

Diagnostic aid (bronchographic agent).

Ger. Pat., 1 229 679, (*1966*); *CA*, **66**, 40725j (*pharmacol, tox, synth*)

4-Ethyl-6,7-dimethoxyquinazoline, 9CI, 8CI E-00181
Quazodine, USAN, INN. *MJ 1988*
[4015-32-1]



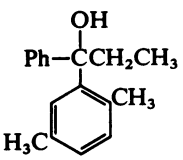
$C_{12}H_{14}N_2O_2$ M 218.255
Cardiotonic, bronchodilator. Cryst. (Me_2CO/hexane). Mp 149-150.5°.
Parratt, J.R. *et al, Br. J. Pharmacol.*, 1971, **42**, 193 (*pharmacol*)
Madding, G.D., *J. Org. Chem.*, 1972, **37**, 1853 (*synth*)
Lederer, P. *et al, Cesk. Farm.*, 1975, **24**, 201 (*synth*)
Bartek, M.J. *et al, Toxicol. Appl. Pharmacol.*, 1976, **36**, 307 (*metab*)

N-Ethyl-N,N-dimethyl-1-hexadecanaminium, 9CI E-00182
Cetylethyldimethylammonium. Ethylhexadecyldimethylammonium
[10328-33-3]

$H_3C(CH_2)_{14}CH_2N^{\oplus}(Et)Me_2$

$C_{20}H_{44}N^{\oplus}$ M 298.574 (ion)
Antiseptic.
Bromide: [124-03-8]. *Cetylcide. Radiol.*
$C_{20}H_{44}BrN$ M 378.478
▷BQ5425000.
B,EtSO$_3$H: [3006-10-8]. *Mecetronium ethylsulfate, USAN. Mecetronium etilsulfate, INN. Querton 16 ES. Sterilium.*
Lewison, E.F., *Arch. Surg.*, 1950, **60**, 865.
U.S.P., 2 541 248, (*1951*); *CA*, **45**, 4894
U.S.P., 3 113 956, (*1963*); *CA*, **60**, 5335

α-Ethyl-2,5-dimethyl-α-phenylbenzyl alcohol E-00183
α-Ethyl-2,5-dimethyl-α-phenylbenzenemethanol, 9CI. α-Ethyl-2,5-dimethylbenzhydrol. ***Temofel.*** *RGH 3395*
[56431-19-7]



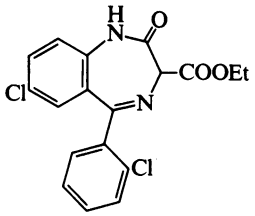
$C_{17}H_{20}O$ M 240.344
(±)-form
Choleretic agent. Cryst. (heptane). Mp 38-39°.
Ger. Pat., 2 438 399, (*1975*); *CA*, **83**, 96707 (*synth, pharmacol*)
Szinai, I. *et al, CA*, 1980, **92**, 52927 (*metab*)
Cholnoky, E. *et al, Arch. Toxicol. Suppl.*, 1985, **8**, 351 (*tox*)

N-Ethyl-3,3'-diphenyldipropylamine, 8CI E-00184
N-Ethyl-N-(3-phenylpropyl)benzenepropanamine, 9CI. ***Alverine, INN.*** *Dipropyline. Fenpropamine. Other proprietary names*
[150-59-4]

$Ph(CH_2)_3NEt(CH_2)_3Ph$

$C_{20}H_{27}N$ M 281.440
Anticholinergic, spasmolytic. Oil. $Bp_{0.3}$ 165-168°. Also used as citrate (Alverine citrate, USAN).
Japan. Pat., 48 175 827, 48 175 913, (*1948*); *CA*, **45**, 178bc (*synth*)
Stühmer, W. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1954, **287**, 139 (*synth*)
Ireson, J.D. *et al, Pharmacol. Res. Commun.*, 1972, **4**, 191 (*pharmacol*)
Saferstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5225, 5226.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5856.

Ethyl dirazepate, INN E-00185
Ethyl 7-chloro-5-(o-chlorophenyl)-2,3-dihydro-2-oxo-1H-1,4-benzodiazepine-3-carboxylate, 8CI
[23980-14-5]



$C_{18}H_{14}Cl_2N_2O_3$ M 377.226
Anticonvulsant. Mp 122-125°.
South African Pat., 68 04 601, (*1969*); *CA*, **71**, 101897u (*synth, pharmacol*)

Ethylenediaminetetraacetic acid E-00186
N,N'-1,2-Ethanediylbis[N-(carboxymethyl)]glycine, 9CI. Ethylenedinitrilotetraacetic acid, 8CI. EDTA. ***Edetic acid, BAN, INN.*** *Versene acid. Sequestrene. Tetracemin. Trilon B. Complexone III. Many other synonyms*
[60-00-4]

$(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$

$C_{10}H_{16}N_2O_8$ M 292.245
Acid and salts are powerful chelating agents for metal ions, used in analytical applications and as pharmaceutical aids in cases of poisoning etc. Cryst. (H_2O). Dimorphic. Prac. insol. H_2O. Mp 220° dec. pK_{a1} 6.27, pK_{a2} 10.95. Starts to decarboxylate above 150°. Stable in boiling H_2O.
▷Mod. toxic, exp. teratogen. AH4025000.
Di-Na salt: [139-33-3]. ***Edetate disodium, USAN.*** *Other proprietary names.* Metal chelating agent and veterinary anticoagulant. Cryst. + $2H_2O$. Mp 252° dec.
▷AH4375000.
Tri-Na salt: [150-38-9]. ***Edetate trisodium, USAN.*** *Trisodium edetate. Limclair. Sequestrene* NA *3. Versene 9.* Chelating agent. Cryst. + $1H_2O$ (H_2O). Mp >300°.
▷AH5275000.
Tetra-Na salt: [64-02-8]. ***Edetate sodium, USAN.*** *Complexone II. Trilon B.* Chelating agent. Amorph. powder.
▷Mod. toxic. AH5075000.
Di-Na mono-Ca salt: [62-33-9]. ***Sodium calcium edetate, BAN, INN.*** *Edetate calcium disodium, USAN. Edathamil calcium disodium. Calcium disodium versenate. Mosatil. Antallin. Ledclair. Other proprietary names.* Powerful chelating agent used for treatment of lead poisoning. Powder. Forms a tetrahydrate.

▷Mod. toxic orally. EV7700000.

Tetra-Me ester: [19376-45-5].
$C_{14}H_{24}N_2O_8$ M 348.352
Liq. Bp_5 195-197°.

Tetra-Et ester: [3626-00-4].
$C_{18}H_{32}N_2O_8$ M 404.459
Liq. Bp_3 195-196°.

Tetranitrile: [5766-67-6]. *Ethylenediamine tetraacetonitrile. Tetrakis(cyanomethyl)ethylenediamine. EDTN.*
$C_{10}H_{12}N_6$ M 216.245
Powder. Mp 132°.

▷Highly toxic. AM0100000.

Di-K salt: [2001-94-7]. ***Edetate dipotassium, USAN.***

Na salt, Fe III Chelate: [15708-41-5]. ***Sodium ironedetate, BAN.*** *Sodium feredetate, INN. Sytron.* Used in treatment of iron-deficiency anaemia. Cryst. (EtOH aq.).

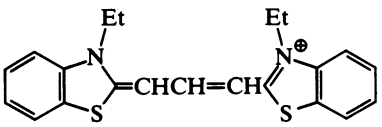
▷AH4900000.

Smith, R. *et al, J. Org. Chem.*, 1949, **14**, 355 (*synth*)
Astakhov, K.V. *et al, Zh. Obshch. Khim.*, 1950, **20**, 1780; *CA*, **45**, 2409 (*synth*)
Biermans, J. *et al, Ind. Chim. (Rome)*, 1952, **39**, 6 (*rev, bibl*)
Sawyer, D.T. *et al, J. Am. Chem. Soc.*, 1960, **82**, 4191 (*synth, ir, Fe chelate*)
Alner, D.J. *et al, Chem. Ind. (London)*, 1968, 1565 (*esters*)
Ladd, M.F.C. *et al, Acta Crystallogr., Sect. B*, 1973, **29**, 2973 (*cryst struct*)
Tancheva, S., *CA*, 1973, **79**, 52735 (*synth*)
Barnett, B.L. *et al, Inorg. Chem.*, 1979, **18**, 2674 (*cryst struct*)
Halstead, B.W., *The Scientific Basis of EDTA Therapy*, Golden Quill Publ. Colton, Calif., 1979 (*book*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 373; **5**, 296.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1717 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1038, 1039, 1052.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 462, 629, 658.

3-Ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)propenyl]-benzothiazolium(1+) E-00187

3-Ethyl-2-[3-(3-ethyl-2(3H)-benzothiazolylidene)-1-propenyl]benzothiazolium, 9CI

[18403-49-1]



$C_{21}H_{21}N_2S_2^{\oplus}$ M 365.530 (ion)

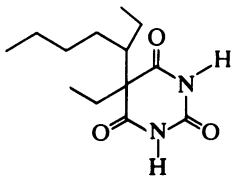
Cpd. with 2,4,5-trichlorophenol (1:3): [5779-59-9]. *Alazanine triclofenate, INN.*
$C_{39}H_{29}Cl_9N_2O_3S_2$ M 956.867
Anthelmintic. Mp 135-137°.

Ger. Pat., 1 138 778, (*1962*); *CA*, **58**, 6748g (*synth*)

5-Ethyl-5-(1-ethylbutyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI E-00188

Tetrabarbital, INN. *5-Ethyl-5-(1-ethylbutyl)barbituric acid, 8CI. Butysal. Butysedal. J.L. 991. Tetramalum*

[76-23-3]



$C_{12}H_{20}N_2O_3$ M 240.302
Hypnotic. Cryst. Mp 122°.

▷CQ4562000.

Kopp, M. *et al, Bull. Soc. Chim. Fr.*, 1951, 30 (*synth*)
Buchel, L. *et al, Therapie*, 1956, **11**, 821 (*pharmacol*)
Bonjean, M.C. *et al, Bull. Trav. Soc. Pharm. Lyon*, 1972, **16**, 65 (*tlc*)

Ethyl *N*-ethylcarbamate, 9CI E-00189

Ethylurethane. Ethyl ethylaminoformate

[623-78-9]

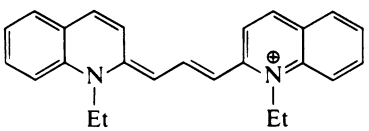
EtNHCOOEt

$C_5H_{11}NO_2$ M 117.147
Has narcotic and anaesthetic props. Liq. Bp 170°.

▷Exp. néoplastic agent. FA9100000.

Curtius, T. *et al, J. Prakt. Chem.*, 1901, **64**, 401 (*synth*)
Mauguin, C., *Ann. Chim. Phys.*, 1911, **22**, 297 (*synth*)
Lewis, C.P. *et al, Anal. Chem.*, 1964, **36**, 176 (*ms*)
Biener, H., *Justus Liebigs Ann. Chem.*, 1965, **686**, 102 (*synth*)
Lehr, E. *et al, Naturwissenschaften*, 1971, **58**, 576 (*pharmacol*)
Niclas, H.-J. *et al*, Tet, 1978, **34**, 703 (*ir, pmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 663.

1-Ethyl-2-[3-(1-ethyl-2(1*H*)-quinolinylidene)propenyl]quinolinium, 9CI E-00190



$C_{25}H_{25}N_2^{\oplus}$ M 353.486 (ion)
Obstetric diagnostic aid.

Chloride: [2768-90-3]. ***Quinaldine blue, USAN, INN.*** *Pinacyanol chloride. Vernitest. NSC 56808.*
$C_{25}H_{25}ClN_2$ M 388.939
Blue-green prisms or needles (EtOH). Mp ca. 263° dec. Aq. soln. violet-red, alc. soln. blue.

Iodide: [605-91-4]. *Pinacyanol.*
$C_{25}H_{25}IN_2$ M 480.390
Mp 287-288°.

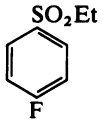
▷VC3676870.

Fischer, O., *J. Prakt. Chem.*, 1918, **98**, 204 (*synth*)
Feldman, L.H. *et al, J. Phys. Chem.*, 1968, **72**, 2008 (*nmr, uv*)
Ciernik, J., *Collect. Czech. Chem. Commun.*, 1972, **37**, 2273 (*synth*)

Ethyl 4-fluorophenyl sulfone, 8CI **E-00191**

1-(Ethylsulfonyl)-4-fluorobenzene, 9CI. ***Fluoresone, INN.*** *Floretione. Bripadon. ANP 215*

[2924-67-6]



$C_8H_9FO_2S$ M 188.216

Tranquilliser, antiepileptic agent. Mp 39.5°.

▷WR6475000.

Fr. Pat., M399 (*1962*); *CA*, **57**, 16764h (*pharmacol*)
Mignot, A.A. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 435 (*synth*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7043.

***N*-(2-Ethylhexyl)-3-hydroxybutanamide,** **E-00192**

9CI

Butoctamide, INN. *Hexobutyramide. Listomin. Ristomin*

[32838-26-9]

$H_3CCH(OH)CH_2CONHCH_2CH(CH_2CH_3)$-$CH_2CH_2CH_2CH_3$

$C_{12}H_{25}NO_2$ M 215.335

Hypnotic, antineoplastic agent. Used as hemisuccinate salt.

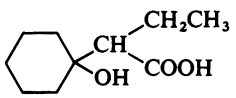
Japan. Pat. 76 82 220, (*1976*); *CA*, **85**, 192192p (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18886.

α-Ethyl-1-hydroxycyclohexaneacetic acid, **E-00193**

9CI

2-(1-Hydroxycyclohexyl)butyric acid. ***Cyclobutyrol, INN***

[512-16-3]



$C_{10}H_{18}O_3$ M 186.250

▷GU6555200.

(±)-form

Choleretic agent. Mp 81-82°. $Bp_{0.5}$ 138-140°.

Na salt: [1130-23-0]. *Bicol. Bilimix. Bis-Bil. Colepan. Dimene. Hebucol. Maricolene. Tachicol. Viobilina. Liptriu. JL 130.* Hygroscopic powder. Mp 299-300°.

Choline salt: [24759-08-8]. Mp 92-95°.

Nicotinamide salt (1:1): [87425-18-1]. Used in treatment of liver disorders. Mp 135-136°.

Maillard, J. *et al*, *Bull. Soc. Chim. Fr.*, 1958, 244 (*synth*)
Roquet, J. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **125**, 172 (*pharmacol*)
Chiari, A. *et al*, *Boll. Chim. Farm.*, 1961, **100**, 851 (*synth, pharmacol, salts*)
Fr. Pat., M5 609, (*1968*); *CA*, **71**, 80801 (*synth, salts*)
Bellasoued, M. *et al*, *J. Organomet. Chem.*, 1973, **61**, 9 (*synth*)
Fujita, T. *et al*, *J. Appl. Chem. Biotechnol.*, 1977, **27**, 593 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3712.

2-Ethyl-2-hydroxymethyl-1,3-propanediol, **E-00194**

9CI, 8CI

2,2-Bis(hydroxymethyl)-1-butanol. Trimethylolpropane

[77-99-6]

$H_3CCH_2C(CH_2OH)_3$

$C_6H_{14}O_3$ M 134.175

Used in the manuf. of cross-linked polymers and in heat-activated oven cleaners. Cryst. (pentanol). Sol. $CHCl_3$, insol. H_2O. Mp 59-60°.

▷TY6470000.

Trinitrate (ester): [2921-92-8]. *2-Ethyl-2-[(nitrooxy)-methyl]-1,3-propanediol dinitrate (ester),* 9CI. ***Propatyl nitrate,*** BAN, USAN, ***INN.*** *Ettriol trinitrate. Etradil. Win 9317. Other proprietary names.*

$C_6H_{11}N_3O_9$ M 269.168

Coronary vasodilator. Powder. Mp 51-52°.

Fr. Pat., 1 103 113, (*1955*); *CA*, **53**, 6087 (*deriv*)
East Ger. Pats., 44 114, (*1964*) (*CA*, **64**, 17424); 45 078 (*1964*) (*CA*, **64**, 17424) (*synth*)
Johnsson, G. *et al*, *J. Clin. Lab. Invest.*, 1965, **17**, 600 (*deriv*)
Ketslakh, M.M. *et al*, *CA*, 1969, **70**, 114521 (*synth*)
Vysotskii, M.P. *et al*, *CA*, 1972, **77**, 163954 (*synth*)
Tsellinskaya, T.F. *et al*, *CA*, 1973, **78**, 11282 (*synth*)
U.S.P., 3 956 406, (*1976*); *CA*, **85**, 93795 (*purifn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9276.

3-Ethyl-3-hydroxypentanoic acid, 9CI **E-00195**

3-Ethyl-3-hydroxyvaleric acid, 8CI. *3,3-Diethylhydracrylic acid*

[58888-77-0]

$(H_3CCH_2)_2C(OH)CH_2COOH$

Possesses some anticonvulsant action. Needles. Sol. H_2O, EtOH, Et_2O. Mp 38-39°. pK_a 4.52.

Et ester: [22624-32-4].

$C_9H_{18}O_3$ M 174.239

Liq. Bp_{18} 102°.

Schirokow, *J. Prakt. Chem.*, 1881, **23**, 201 (*synth*)
Kon, G.A.R. *et al*, *J. Chem. Soc.*, 1932, 2461 (*ester*)
Watanabe, S. *et al*, *Isr. J. Chem.*, 1970, **8**, 731 (*ester*)
Anteunis, M. *et al*, *Bull. Soc. Chim. Belg.*, 1973, **82**, 573 (*ester*)
Taillandier, G.M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 453 (*synth, pharmacol*)
Ger. Pat., 2 528 025, (*1976*); *CA*, **84**, 164175 (*synth, pharmacol, use*)

***N*-Ethyl-*N'*-hydroxyurea,** 9CI **E-00196**

1-Ethyl-3-hydroxyurea, 8CI. *Ethylcarbamylhydroxylamine*

[5710-11-2]

EtNHCONHOH

$C_3H_8N_2O_2$ M 104.108

Has antitumour activity. Cryst. ($CHCl_3$). Sol. H_2O, Et_2O, mod. sol. EtOH, insol. hexane. Mp 124-126° (129°) dec.

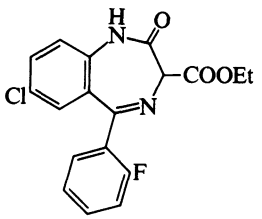
▷YT2880000.

Francesconi, *et al*, *Gazz. Chim. Ital.*, 1901, **31**, 344 (*synth*)
B.P., 930 844, (*1963*); *CA*, **60**, 2789 (*synth*)
Zinner, G. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1965, **298**, 869 (*synth*)
Harmon, R.E. *et al*, *J. Med. Chem.*, 1970, **13**, 577 (*synth, pharmacol*)

Ethyl loflazepate, INN E-00197

Ethyl 7-chloro-5-(o-fluorophenyl)-2,3-dihydro-2-oxo-1H-1,4-benzodiazepine-3-carboxylate, 8CI. Victan. CM 6912

[29177-84-2]



$C_{18}H_{14}ClFN_2O_3$ M 360.772

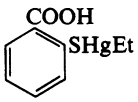
Tranquilliser. Anxiolytic. Cryst. (Et_2O). Mp 193-194° dec.

Ger. Pat., 2 001 276, (*1970*); *CA*, **73**, 87947t (*synth*)
U.S.P., 3 657 223, (*1972*); *CA*, **77**, 34598f (*synth, pharmacol*)
Mazue, G. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1981, **19**, 453 (*tox*)
Davi, A. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1061 (*metab*)
Ba, B.B. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 1486 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15319.

Ethyl(2-mercaptobenzoato-*S*)mercury, 9CI E-00198

Ethyl(hydrogen-o-mercaptobenzoato)mercury, 8CI. [(o-*Carboxyphenyl)thio]ethylmercury. Ethylmercurithiosalicylic acid*

[148-61-8]



$C_9H_{10}HgO_2S$ M 382.827

Antiseptic, topical antiinfective, bactericide, fungicide.

Na salt: [54-64-8]. ***Thiomersal, BAN, INN.*** *Thimerosal. Thiomersalate. Merthiolate. Mercurothiolate sodique. Other synonyms.*

$C_9H_9HgNaO_2S$ M 404.809

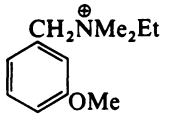
Cream cryst. powder, air stable, unstable in light. Sol. in H_2O, EtOH, insol. in Et_2O, C_6H_6.

▷OV8400000.

U.S.P., 1 672 615, (*1928*); *CA*, **22**, 2639
Swirska, J. *et al*, *Przem. Chem.*, 1960, **39**, 371; *CA*, **55**, 3507 (*synth*)
Kohn, S.R. *et al*, *J. Pharm. Sci.*, 1963, **52**, 967 (*activity*)
Hutzinger, O. *et al*, *Int. J. Environ. Anal. Chem.*, 1971, **1**, 85 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1163.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2281.

Ethyl(3-methoxybenzyl)-dimethylammonium(1+) E-00199

N-Ethyl-3-methoxy-N,N-dimethylbenzenemethanaminium, 9CI. Emilium



$C_{12}H_{20}NO^{\oplus}$ M 194.296 (ion)

Antiarrhythmic agent.

p-*Toluenesulfonyl:* [30716-01-9]. *Emilium tosylate, USAN, INN.*

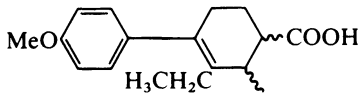
$C_{19}H_{27}NO_4S$ M 365.487

Ger. Pat., 2 030 692, (*1971*); *CA*, **74**, 76156d (*synth, pharmacol*)

3-Ethyl-4-(4-methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid, 9CI E-00200

Carbestrol. *NSC 19962*

[1755-52-8]



$C_{17}H_{22}O_3$ M 274.359

Oestrogen. Mp 157-158°.

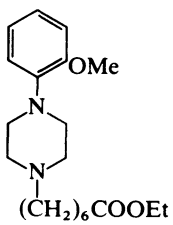
▷GW4430000.

Nathan, A.H. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 6163 (*synth, props*)
Akhrem, A.A. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1967, 624 (*synth, props*)
Fouquey, C. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 543 (*synth, pharmacol*)
Crawley, G.C. *et al*, *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1980, **12**, 658 (*rev, pharmacol, tox*)

Ethyl 4-(2-methoxyphenyl)-1-piperazine-heptanoate E-00201

1-(6-Ethoxycarbonylhexyl)-4-(o-methoxyphenyl)-piperazine. SGB 483

[81185-94-6]



$C_{20}H_{32}N_2O_3$ M 348.484

Antihypertensive agent. Pale-yellow oil.

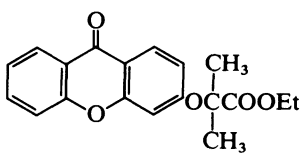
B,2HCl: [81186-05-2]. Needles (EtOH). Mp 186-189°.

Eur. Pat., 42 162, (*1981*); *CA*, **96**, 149178 (*synth, pharmacol*)
Fujisawa, K., *Br. J. Pharmacol.*, 1983, **80**, 55 (*pharmacol*)

Ethyl 2-methyl-2-[(9-oxo-9*H*-xanthen-3-yl)oxy]propanoate, 9CI E-00202

MR 981

[79181-48-9]

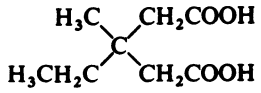


$C_{19}H_{18}O_5$ M 326.348

Antilipidaemic agent. Cryst. (EtOH). Mp 69-71°.

Gaion, R.M. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 499 (*synth, pharmacol*)

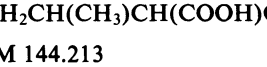
3-Ethyl-3-methylpentanedioic acid, 8CI **E-00203**
2-Methyl-2-ethylpropane-1,3-dioic acid. 3-Ethyl-3-methylglutaric acid
[5345-01-7]



$C_8H_{14}O_4$ M 174.196
Needles (H_2O). Mp 78-80°. pK_{a1} 5.6, pK_{a2} 2.70.
Me ester:
$C_9H_{16}O_4$ M 188.223
Bp_{19} 128°.
Anhydride:
$C_8H_{12}O_3$ M 156.181
Mp 25°. Bp_{20} 185°.
Monoanilide:
$C_{14}H_{19}NO_3$ M 249.309
Cryst. ($CHCl_3$/pet. ether). Mp 105°.
Imide: [64-65-3]. *4-Ethyl-4-methyl-2,6-piperidinedione,* 9CI. *3-Ethyl-3-methylglutarimide,* 8CI. **Bemegride,** *BAN, INN. Megimide. Methetharimide. Other proprietary names.*
$C_8H_{13}NO_2$ M 155.196
Barbiturate antagonist, respiratory stimulant. Platelets (H_2O or Me_2CO). Sol. H_2O. Mp 123.5-124°.
▷MA4550000.

Org. Synth., Coll. Vol. **4**, 441 (*synth*)
Thole, F.B. *et al, J. Chem. Soc.*, 1911, **99**, 439 (*synth, deriv*)
Benica, W.S. *et al, J. Am. Pharm. Assoc.*, 1950, **39**, 451 (*synth, deriv*)
Delay, J. *et al, Presse Med.*, 1956, **64**, 1525 (*pharmacol, deriv*)
Nicholls, P.J. *et al, Nature (London)*, 1960, **185**, 927 (*metab, deriv*)
Nicholls, P.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1961, **133**, 212 (*pharmacol, tox, deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 981 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1416.

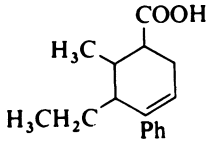
2-Ethyl-3-methylpentanoic acid, 9CI **E-00204**
4-Methylhexane-3-carboxylic acid
[22414-77-3]



$C_8H_{16}O_2$ M 144.213
Bp 217-220° (214-215°). Undefined mixt. of stereoisomers.
Me ester:
$C_9H_{18}O_2$ M 158.240
Bp 168-170°.
Chloride:
$C_8H_{15}ClO$ M 162.659
Bp_{20} 66-72°.
Amide: [4171-13-5]. *Axiquel. Adaptic. Nirvanil. Valmethamide.* **Valnoctamide,** *INN, USAN. NSC 32363.*
$C_8H_{17}NO$ M 143.228
Tranquilliser. Mp 114-115°. Undefined mixt. of stereoisomers.
▷YV5950000.

Kondakova, M.S. *et al, CA*, 1934, **28**, 5042; 1937, **31**, 3448 (*synth*)
Freifelder, M. *et al, J. Org. Chem.*, 1961, **26**, 203 (*deriv*)
U.S.P., 3 056 726, (*1962*); *CA*, **58**, 6701
U.S.P., 3 415 877, (*1968*); *CA*, **70**, 37204 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7125.

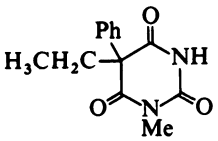
5-Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid, 9CI, 8CI **E-00205**
***Fenestrel,** USAN, INN. ORF 3858*
[7698-97-7]



$C_{16}H_{20}O_2$ M 244.333
Oestrogen. Mp 158-163°. Mixt. of stereoisomers.
▷GW4450000.

B.P., 1 036 076, (*1966*); *CA*, **65**, 13615 (*synth, pharmacol*)
Crenshaw, R.R. *et al, J. Med. Chem.*, 1972, **15**, 1179 (*synth, pharmacol*)

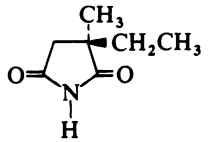
5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI **E-00206**
5-Ethyl-1-methyl-5-phenylbarbituric acid, 8CI. **Methylphenobarbital,** *INN. Mephobarbital. Enfenemal. Enphenemal. Mebaral. Mefobarbital. Mentabal. Other proprietary names*
[115-38-8]



$C_{13}H_{14}N_2O_3$ M 246.265
Antispasmodic, anticonvulsant. Mp 176°. Component of Mebroin.
▷CQ6650000.

B.P., 339 937, (*1929*); *CA*, **25**, 2738 (*synth*)
Advovich, H.W. *et al, Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)
Craig, C.R. *et al, J. Pharmacol. Exp. Ther.*, 1971, **176**, 35 (*pharmacol*)
Knabe, J. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1972, **305**, 54 (*synth*)
Saferstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Dilli, S. *et al, Aust. J. Chem.*, 1975, **28**, 2265 (*synth*)
Siek, T.J. *et al, J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Asada, S. *et al, Bull. Chem. Soc. Jpn.*, 1978, **51**, 3379 (*cmr*)
Hooper, W.D. *et al, Ther. Drug. Monit.*, 1981, **3**, 39 (*metab*)
Nieminen, A.O.K. *et al, Magn. Reson. Chem.*, 1985, **23**, 419 (*N-15 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2742 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4050.

3-Ethyl-3-methyl-2,5-pyrrolidinedione, 9CI **E-00207**
2-Ethyl-2-methylsuccinimide, 8CI. **Ethosuximide,** *BAN, USAN, INN. Emeside. Ethosuccimide. Zarontin. Capitus. Other proprietary names*
[77-67-8]



(*R*)-*form* Absolute configuration

$C_7H_{11}NO_2$ M 141.169
▷WN2800000.

(R)-form [39122-20-8]
$[\alpha]_D$ −32.2° (Et_2O).

(S)-form [39122-19-5]
Mp 78-79°. $[\alpha]_D$ +32.2° (Et_2O).

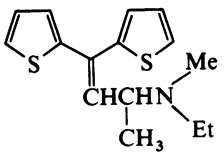
(±)-form [39122-18-4]
Anticonvulsant drug, especially useful in the treatment of petit-mal epilepsy. Cryst. (Me_2CO/Et_2O). Sol. H_2O. Mp 64-65° (48.5-50.5°).

Sircar, S.S.G., *J. Chem. Soc.*, 1927, 1252 (*synth*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1972, **305**, 757 (*synth*)
Knabe, J. *et al*, *Tetrahedron Lett.*, 1973, 745 (*abs config*)
Sherwin, A.L., *Antiepileptic Drugs: Quantitative Analysis and Interpretation*, 1978, Raven Press, N.Y., 283 (*rev, pharmacol*)
Pettersen, J.E., *Adv. Mass Spectrom.*, 1980, **8B**, 1291 (*ms, metab*)
Overberger, C.G. *et al*, *J. Org. Chem.*, 1981, **46**, 2757 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 743 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6611.

Ethylmethylthiambutene, INN, BAN E-00208

N-Ethyl-N-methyl-4,4-di-2-thienyl-3-buten-2-amine, 9CI. 3-Ethylmethylamino-1,1-di(2-thienyl)but-1-ene. Emethibutin. BW 50-1. 1-C50. NIH 5145

[441-61-2]



$C_{15}H_{19}NS_2$ M 277.442
Narcotic analgesic. $Bp_{0.1}$ 110-113°. Addictive.

B,HCl: Mp 137-138°. $Bp_{0.01}$ 110-113°.

U.S.P., 2 561 899, (*1951*); *CA*, **46**, 3085 (*synth*)
Eddy, N.B., *J. Pharmacol. Exp. Ther.*, 1953, **107**, 385 (*tox*)
Green, A.F. *et al*, *Br. J. Pharmacol.*, 1953, **8**, 2 (*pharmacol*)
Flintan, P. *et al*, *Br. J. Pharmacol.*, 1954, **9**, 106 (*pharmacol*)

7-Ethyl-2-methyl-4-undecanol E-00209

2-Methyl-7-ethyl-4-hendecanol

[103-20-8]

$H_3C(CH_2)_3CH(CH_2CH_3)CH_2CH_2CH(OH)$-$CH_2CH(CH_3)_2$

$C_{14}H_{30}O$ M 214.390
Bp_4 112-114°, Bp 261-262°.

Hydrogen sulfate, Na salt: [139-88-8]. *Sodium tetradecyl sulfate, INN. Sofradecol. Trombavar. Obliterol. STD. STS. Tergitol 4. Trombovar. Varicol.* Sclerosing agent, wetting agent. Waxy solid.

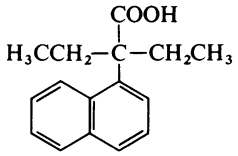
▷YQ2800000.

U.S.P., 2 088 021, (*1937*); *CA*, **31**, 6772 (*synth, use*)
Baker, Z. *et al*, *J. Exp. Med.*, 1941, **74**, 611 (*activity*)
McClure, H.B., *Chem. Eng. News*, 1944, **22**, 416 (*props, use*)
Smyth, H.F. *et al*, *J. Ind. Hyg. Toxicol.*, 1948, **30**, 63.
Lucas, F.H. *et al*, *Food Technol.*, 1950, **4**, 121 (*activity*)
Blenkinsopp, W.K., *Br. J. Exp. Pathol.*, 1968, **49**, 197.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6028.

2-Ethyl-2-(1-naphthyl)butanoic acid E-00210

α,α-Diethyl-1-naphthaleneacetic acid, 9CI. Nafcaproic acid, INN. DA-808

[1085-91-2]



$C_{16}H_{18}O_2$ M 242.317
Choleretic agent. Cryst. (ligroin/EtOH). Mp 200-201°.

▷QJ0930900.

Na salt: [3060-37-5].

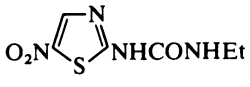
▷QJ0933100.

Casadio, P. *et al*, *Farmaco, Ed. Sci.*, 1962, **17**, 797 (*synth*)
Marazzi-Uberti, E. *et al*, *Chim. Ther.*, 1967, **2**, 66 (*pharmacol*)

N-Ethyl-*N'*-(5-nitro-2-thiazolyl)urea, 9CI E-00211

***Nithiazide**. Hepzide*

[139-94-6]



$C_6H_8N_4O_3S$ M 216.214
Antitrichomonal. Mp 228° dec.

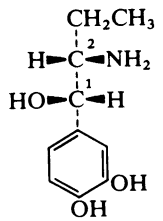
▷YT3500000.

U.S.P., 2 755 285, (*1956*); *CA*, **51**, 2873 (*synth, props*)
Cuckler, A.C. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1956, **92**, 483 (*synth, props*)
Werbel, L.M. *et al*, *J. Med. Chem.*, 1972, **15**, 955.
Jham, G.N. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 1335 (*ms*)

Ethylnorepinephrine E-00212

4-(2-Amino-1-hydroxybutyl)-1,2-benzenediol, 9CI. α-(1-Aminopropyl)-3,4-dihydroxybenzyl alcohol. Butanefrine. Etanor. Ethylnoradrenaline. Ethylnorsuprarenin

[536-24-3]



(1R,2R)-form
Absolute configuration

$C_{10}H_{15}NO_3$ M 197.233

(1R,2R)-form
Sympathomimetic, bronchodilator.

B,HCl: Ethylnorepinephrine hydrochloride, USAN. Bronkephrine. Mp 206-207.5° dec.

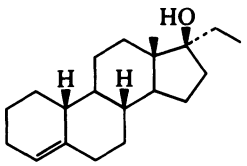
▷DN7875000.

Cameron, W.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1938, **62**, 318 (*pharmacol*)
Conte, V. *et al*, *Farmaco, Ed. Sci.*, 1969, **24**, 709, 1038; 1971, **26**, 435 (*synth, config, nmr, pharmacol*)
Karow, A.M. *et al*, *Prog. Drug Res.*, 1971, **15**, 103 (*rev*)
Ison, R.R. *et al*, *Mol. Pharmacol.*, 1973, **9**, 756 (*conformn*)
Zhorov, B.S. *et al*, *Int. J. Quantum Chem.*, 1979, **16**, 517 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2060.

Ethyloestrenol, BAN E-00213

19-Nor-4-pregnen-17β-ol, 9CI. 17α-Ethyl-4-oestren-17β-ol. ***Ethylestrenol, INN, USAN.*** *Durabolin O. Duraboral. Maxibolin. Orabolin. Orgabolin. Orgaboral. Virastine. Org 483*

[965-90-2]



$C_{20}H_{32}O$ M 288.472

Anabolic steroid. Cryst. Mp 76-78°. $[\alpha]_D$ +31° ($CHCl_3$).

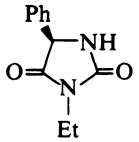
▷RC8961100.

de Winter, M.S. *et al, Chem. Ind. (London)*, 1959, 905
Overbeek, G.A. *et al, Acta Endocrinol. Suppl.*, 1961, **63**, 11, 18, 37 (*pharmacol*)
Junkmann, K. *et al, Arzneim.-Forsch.*, 1962, **12**, 214 (*pharmacol*)
Schneider, H.J. *et al, J. Magn. Reson.*, 1977, **26**, 175 (*cmr*)
Ward, R.J. *et al, J. Steroid Biochem.*, 1977, **8**, 1057 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9045.

3-Ethyl-5-phenyl-2,4-imidazolidinedione, 9CI E-00214

3-Ethyl-5-phenylhydantoin, 8CI. 1-Ethyl-2,5-dioxo-4-phenylimidazolidine. ***Ethotoin, BAN, INN.*** *Accenon. Peganone. AC 695*

[86-35-1]



(*R*)-form
Absolute configuration

$C_{11}H_{12}N_2O_2$ M 204.228

▷MU2450000.

(R)-form [41807-37-8]

$[\alpha]_D^{25}$ −88° (c, 0.20 in EtOH).

(±)-form [61247-71-0]

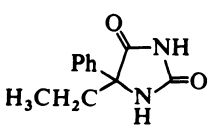
Anticonvulsant drug, used to treat epilepsy. Prisms (H_2O). Spar. sol. cold H_2O, mod. sol. hot. Mp 94°.

Pinner, A., *Ber.*, 1888, **21**, 2320 (*synth*)
Ruecker, G. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1971, **304**, 883 (*ms*)
Millichap, J.G., *Antiepileptic Drugs*, 1972, Raven Press, N.Y., 275 (*rev, bibl*)
Dudley, K.H. *et al, J. Heterocycl. Chem.*, 1973, **10**, 73 (*synth*)
Naestoft, J. *et al, Clin. Exp. Pharmacol. Physiol.*, 1976, **3**, 453 (*metab*)
Bius, D.L. *et al, Drug Metab. Dispos.*, 1980, **8**, 223 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6612.

5-Ethyl-5-phenyl-2,4-imidazolinedione, 9CI E-00215

5-Ethyl-5-phenylhydantoin, 8CI. Nirvanol. AC 1050

[631-07-2]



$C_{11}H_{12}N_2O_2$ M 204.228

▷Mod. irritant. MU2452000.

(R)-form [65567-32-0]

Cryst. (EtOH aq.). Mp 235-237°. $[\alpha]_D$ −121° (EtOH), −167° (alkali aq.).

(S)-form [65567-34-2]

Slightly less effective than (±)-form, but only one-third as toxic. Flaky platelets (EtOH aq.). Mp 237°. $[\alpha]_D$ +123° (EtOH), +169° (alkali aq.).

(±)-form [2216-93-5]

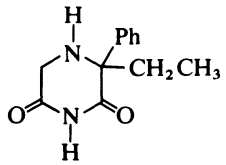
Anticonvulsant and hypnotic. Needles or prisms (EtOH aq.). Spar. sol. hot H_2O, insol. C_6H_6, sol. warm EtOH. Mp 199-200°. Causes muscular damage.

Sobotka, H. *et al, J. Am. Chem. Soc.*, 1932, **54**, 4697 (*resoln, pharmacol*)
Upham, S.D. *et al, J. Org. Chem.*, 1957, **22**, 799 (*synth*)
Biese, L.P., *Lab. Invest.*, 1967, **17**, 393 (*tox*)
Ruecker, G. *et al Arch. Pharm. (Weinheim, Ger.)*, 1971, **304**, 883 (*ms*)
Vida, J.A. *et al, J. Med. Chem.*, 1975, **18**, 383 (*pharmacol*)
Knabe, J. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1980, **313**, 538; 1982, **315**, 977 (*synth, cd, ord*)
Kupfer, A. *et al, J. Pharmacol. Exp. Ther.*, 1984, **230**, 28 (*metab*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 853.

3-Ethyl-3-phenyl-2,6-piperazinedione, 8CI E-00216

Iminophenimide, INN

[7008-18-6]



$C_{12}H_{14}N_2O_2$ M 218.255

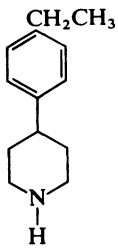
Tranquilliser, hypnotic agent. Tan cryst. Mp 115-118°.

U.S.P., 3 293 294, (*1966*); *CA*, **66**, 46229x (*synth, pharmacol*)

4-(4-Ethylphenyl)piperidine, 9CI E-00217

Enefexine, INN

[67765-04-2]



$C_{13}H_{19}N$ M 189.300

Antidepressant.

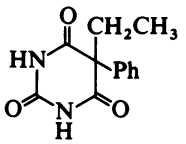
B,HCl: [67765-33-7]. Mp 198-220°.

Swiss Pat., 634 298, (*1983*); *CA*, **98**, 215489 (*synth, pharmacol*)

5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI E-00218

Ethylphenylbarbituric acid. ***Phenobarbital,*** *INN, USAN. Phenobarbitone, BAN. Fenemal. Fenobarbital. Gardenal. Luminal. Phenemal. Phenobarbitural. Numerous proprietary names*

[50-06-6]



$C_{12}H_{12}N_2O_3$ M 232.238

Long-acting hypnotic, sedative and anticonvulsant. Also used as Na salt(Phenobarbital sodium, USAN, INN). Cryst. in three modifications, one stable and two unstable. Sol. EtOH, mod. sol. Et_2O, spar. sol. $CHCl_3$, prac. insol. C_6H_6. Mp 174°, 156-157°, 166-167°. Component of Tetrabamate, Atrium, Longine and Sevrium.

▷Toxic by skin absorption and orally. CQ6825000.

(S)-*Propylhexadrine salt (1:1):* [4388-82-3]. ***Barbexaclone, INN.*** *Maliasin. Maliazin. Phenomitur. CHP-Phenobarbitalate. P 841. Su 42.* Anticonvulsant.

▷CQ6832000.

(S)-*Propylhexadrine salt (1:1); B,HCl:* Cryst. $[\alpha]_D^{26}$ −14.74°. Dec. at 138-139°.

Aminophenazone salt (1:1): [73609-67-3]. ***Phenomidon.*** *Ravizol.* Hypnotic, analgesic.

1-Benzoyl: [744-80-9]. *1-Benzoyl-5-ethyl-5-phenylbarbituric acid.* ***Benzobarbital, INN.*** *Benzonal.*

$C_{19}H_{16}N_2O_4$ M 336.346

Sedative, antiepileptic. Mp 134-135°. LD_{50} 345 mg/kg.

▷CQ0477600.

1-Phenacyl: Mp 159-160°.

1,3-Bis(methoxymethyl): [27511-99-5]. *5-Ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Ethyl-1,3-bis(methoxymethyl)-5-phenylbarbituric acid, 8CI. Dimethoxymethylphenobarbital.* ***Eterobarb,*** *INN,* ***USAN.*** *Antilon. DMMP. RMI 10238.*

$C_{16}H_{20}N_2O_5$ M 320.344

Anticonvulsant. Mp 116-118°.

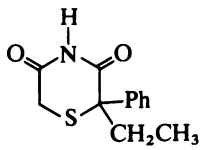
▷CQ0560000.

Rising, M. *et al, J. Am. Chem. Soc.*, 1918, **40**, 723 (*synth*)
Ger. Pat., 1 120 452, (*1960*); *CA*, **56**, 10298 (*Barbexaclone*)
Haas, H., *Arzneim.-Forsch.*, 1963, **13**, 613 (*Barbexaclone*)
Bojarski, J. *et al, Rocz. Chem.*, 1964, **38**, 1493 (*Benzobarbital*)
Grützmacher, H.F. *et al, Tetrahedron Lett.*, 1966, 1365 (*ms*)
Vida, J.A. *et al, J. Med. Chem.*, 1971, **14**, 187 (*synth, pharmacol, Eterobarb*)
Williams, P.P., *Acta Crystallogr., Sect. B*, 1973, **29**, 1572 (*cryst struct*)
Long, R.C., Jr. *et al, J. Magn. Reson.*, 1974, **16**, 228 (*cmr*)
Voronin, V.G. *et al, Khim. Geterotsikl. Soedin.*, 1975, 1431; 1978, 813 (*synth, ms*)
Chao, M.K.C. *et al, Anal. Profiles Drug Subst.*, 1978, **7**, 359 (*rev*)
Ger. Pat., 2 748 794, (*1978*); *CA*, **89**, 109558 (*Tetrabamate*)
Prichard, J.W., *Adv. Neurol.*, 1980, **27**, 473, 493, 501, 553, 541 (*revs*)
Rautio, M. *et al, Org. Magn. Reson.*, 1981, **15**, 53 (*pmr, cmr*)
Buchet. R. *et al, Spectrochim. Acta, Part A*, 1982, **38**, 239 (*ir, raman*)
Kopinski, R.P. *et al, Aust. J. Chem.*, 1984, **37**, 1245 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2266 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4060, 4061.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 672, 897.

2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione E-00219

2-Ethyl-2-phenyl-3,5-thiomorpholinedione. ***Phenythilone, INN.*** *Thimorlone*

[115-55-9]



$C_{12}H_{13}NO_2S$ M 235.300

▷XI8300000.

(±)-***form***

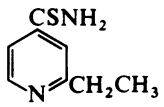
Anticonvulsant, hypnotic. Cryst. (2-propanol). Mp 111-113°.

Skinner, G.S. *et al, J. Am. Chem. Soc.*, 1954, **76**, 2776 (*synth, pharmacol*)
U.S.P., 3 004 970, (*1956*); *CA*, **56**, 7334 (*synth, pharmacol*)

2-Ethyl-4-pyridinecarbothioamide, 9CI E-00220

Ethionamide, *BAN,* ***USAN, INN.*** *2-Ethylisothionicotinamide. 2-Ethyl-4-thiocarbamoylpyridine. α-Ethylisonicotinoylthioamide. Trescatyl. Trecator. Numerous proprietary names*

[536-33-4]



$C_8H_{10}N_2S$ M 166.240

Antitubercular drug. Yellow cryst. (EtOH). V. spar. sol. Et_2O, spar. sol. MeOH, EtOH, sol. Py. Mp 164-166° dec.

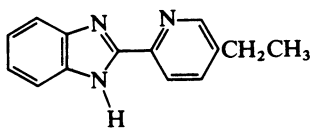
▷NS0350000.

B.P., 800 250, (*1958*); *CA*, **53**, 4309b (*synth*)
Libermann, D. *et al, Bull. Soc. Chim. Fr.*, 1958, 687 (*synth*)
Alleaume, M. *et al, C. R. Hebd. Seances Acad. Sci., Ser. C*, 1971, **273**, 1747 (*cryst struct*)
Bernheim, F., *Drill's Pharmacol Med, 4th Ed.*, 1971, 1713 (*pharmacol*)
Wang, C.-H. *et al, Heterocycles*, 1979, **12**, 1191 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 919 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7557.

2-(5-Ethyl-2-pyridinyl)-1*H*-benzimidazole, 9CI E-00221

KB 1043

[67273-43-2]



$C_{14}H_{13}N_3$ M 223.277

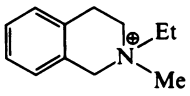
Antiinflammatory agent. Mp 172.5-173°.

Tsukamoto, G. *et al, J. Med. Chem.*, 1980, **23**, 734 (*synth, pharmacol*)

Ito, K. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 49, 117 (*pharmacol*)

2-Ethyl-1,2,3,4-tetrahydro-2-methylisoquinolinium(1+), 8CI E-00222

Trethinium



$C_{12}H_{18}N^{\oplus}$ M 176.281 (ion)

Antihypertensive agent.

4-Methylbenzenesulfonate: [1748-43-2]. *Trethinium tosylate, BAN. Trethinium tosilate, INN.*

$C_{19}H_{25}NO_3S$ M 347.471

Mp 118-120°.

Iodide: [1011-34-3].

$C_{12}H_{18}IN$ M 303.185

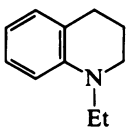
Mp 140-141°.

Torossian, R., *Compt. Rend.*, 1952, **235**, 1312 (*synth*)
B.P., 984 361, (*1965*); *CA*, **62**, 16214b (*synth*)

1-Ethyl-1,2,3,4-tetrahydroquinoline E-00223

Kairoline A

[16768-69-7]



$C_{11}H_{15}N$ M 161.246

Formerly used as antipyretic. Liq. Bp 257-258°, Bp_{16} 135°.

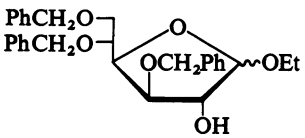
Picrate: Mp 122°.

B,MeI: Mp 179°.

Micovic, V.M. *et al*, *J. Org. Chem.*, 1953, **18**, 1190 (*synth*)
Gribble, G.W. *et al*, *Synthesis*, 1975, 650 (*synth*)

Ethyl 3,5,6-tri-*O*-benzylglucofuranoside, 8CI E-00224

*Ethyl 3,5,6-tris-*O*-(phenylmethyl)glucofuranoside, 9CI*



$C_{29}H_{34}O_6$ M 478.584

D-form [10310-32-4]

Tribenoside, 9CI, USAN, INN, JAN. *Glyvenol*

Sclerosing agent. Venodynamic. Viscous lipophilic oil. $Bp_{1.2}$ 270-280°. $[\alpha]_D^{26}$ +8° ($CHCl_3$).

α-D-form [20822-90-6]

$[\alpha]_D^{20}$ +21° (c, 1.0 in $CHCl_3$).

2-Ac:

$C_{31}H_{36}O_7$ M 520.621

$Bp_{0.05}$ 240°. $[\alpha]_D^{20}$ +55° (c, 1.09 in $CHCl_3$).

2-Allyl: [20789-50-8]. $Bp_{0.02}$ 225-230°. $[\alpha]_D^{20}$ +47° (c, 1.06 in $CHCl_3$).

β-D-form [20822-91-7]

$[\alpha]_D^{20}$ −61° (c, 1.0 in $CHCl_3$).

2-Ac: $Bp_{0.05}$ 260°. $[\alpha]_D^{20}$ −78° (c, 1.05 in $CHCl_3$).

2-Allyl: [20789-51-9]. $Bp_{0.02}$ 220-225°. $[\alpha]_D^{20}$ −53° (c, 1.13 in $CHCl_3$).

2-Me: [20789-47-3].

$C_{30}H_{35}O_6$ M 491.603

$[\alpha]_D^{20}$ −61° (c, 1.1 in $CHCl_3$).

B.P., 909 278, (*1962*); *CA*, **59**, 11642g (*synth*)
Huber, G. *et al*, *Helv. Chim. Acta*, 1968, **51**, 1185 (*pmr*)
Hayashibara, M. *et al*, *Takeda Kenkyusho Ho*, 1973, **32**, 497; *CA*, **80**, 108813h.
Jaques, R., *Pharmacology*, 1977, **15**, 445 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13374.

Ethyl vinyl ether, 8CI E-00225

Ethoxyethene, 9CI. Vinamar

[109-92-2]

$$H_3CCH_2OCH{=}\dot{C}H_2$$

C_4H_8O M 72.107

Inhalation anaesthetic. Volatile liq. Spar. sol. H_2O. Bp 35.5°.

▷Polymerises violently on addn. of I_2. Extremely flammable, flash p. −46°. KO0710000.

Dibromide: [2983-26-8]. *1,2-Dibromo-1-ethoxyethane, 9CI.*

$C_4H_8Br_2O$ M 231.915

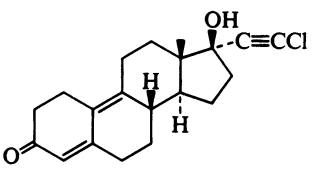
Very unstable liq. Sol. H_2O. d_4^{20} 1.7320. Bp_{30} 75-78°.

Leuchs, H. *et al*, *Ber.*, 1914, **47**, 2573 (*synth*)
Ger. Pat., 550 403, (*1928*) and 550 594, (*1929*); *CA*, **26**, 4825 (*synth*)
Hurd, C.D. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1200 (*synth*)
Glave, W.R. *et al*, *J. Pharm. Sci.*, 1972, **61**, 589 (*use*)
Petrov, K.A. *et al*, *Zh. Org. Khim.*, 1977, **13**, 939 (*synth*)
Kiersznicki, T. *et al*, *CA*, 1979, **90**, 71706 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 234.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 492.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 335.

Ethynerone, INN, USAN E-00226

21-Chloro-17α-hydroxy-19-norpregna-4,9-dien-20-yn-3-one, 9CI, 8CI. 17α-(2-Chloroethynyl)-17β-hydroxyestra-4,9-dien-3-one. 17α-(Chloroethynyl)-19-nor-4,9-androstadien-17β-ol-3-one. MK 665

[3124-93-4]



$C_{20}H_{23}ClO_2$ M 330.854

Progestin. Mp 151°. $[\alpha]_D^{24}$ −296° (c, 1 in $CHCl_3$). Unstable in strong acids and bases. Well patented compd.

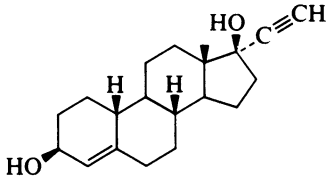
▷RC8900000.

Fried, J.H. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 4663 (*synth, pharmacol, uv*)

Ethynodiol, BAN E-00227

19-Norpregn-4-en-20-yne-3,17-diol, 9CI. 17α-Ethynyl-4-oestrene-3β,17β-diol. Ethnodiol

[1231-93-2]



$C_{20}H_{28}O_2$ M 300.440

Progestational steroid. Cryst. (Et_2O). Mp 147-149°. $[\alpha]_D$ −39° (EtOH).

▷RC8961500.

Di-Ac: [297-76-7]. ***Ethynodiol diacetate, USAN.*** *Femulen. Luteonorm. Luto-Metrodiol. Metrodiol. CB 8080. SC 11800.*

$C_{24}H_{32}O_4$ M 384.514

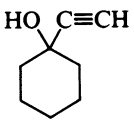
Progestin. Oral contraceptive. Cryst. (MeOH aq.). Mp 126-127°. $[\alpha]_D$ −72.5° ($CHCl_3$). Component of Femulen, Ovulen and Conova.

▷RC8963000.

Sondheimer, F. *et al, Tetrahedron*, 1959, **5**, 15 (*synth*)
U.S.P., 3 176 013, (*1965*); *CA*, **62**, 14776 (*synth*)
Cacchi, S. *et al, Synthesis*, 1974, **10**, 728 (*synth*)
Lau, E.P.K. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 253 (*rev*)
Ranney, R.E., *J. Toxicol. Environ. Health*, 1977, **3**, 139 (*rev, metab*)
Horvath, G. *et al, Adv. Mass Spectrom.*, 1978, **7B**, 1280 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9046.

1-Ethynylcyclohexanol, 9CI E-00228

[78-27-3]



$C_8H_{12}O$ M 124.182

Has hypnotic and sedative props. Cryst. Mp 30-31°. Bp 180°, Bp_8 66°.

▷Mod. toxic. GV9100000.

Ac: [5240-32-4].

$C_{10}H_{14}O_2$ M 166.219

Bp_{11} 84.5-85°.

▷GV9200000.

Benzoyl: [23293-77-8].

$C_{15}H_{16}O_2$ M 228.290

Mp 57-59°.

Carbamate: see Ethinamate, E-00154

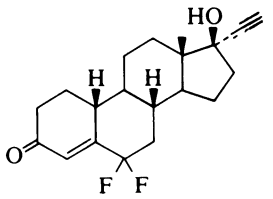
Allophanate: Mp 186-187°.

Backer, H.J. *et al, Recl. Trav. Chim. Pays-Bas*, 1943, **62**, 561 (*synth*)
Moulin, F., *Helv. Chim. Acta*, 1951, **34**, 2416 (*synth*)
Robins, P.A. *et al, J. Chem. Soc.*, 1952, 642 (*synth*)
Shachat, N. *et al, J. Org. Chem.*, 1962, **27**, 1498 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 676.

17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one E-00229

6,6-Difluoro-17β-hydroxy-19-nor-4-pregnen-20-yn-3-one, 9CI. 6,6-Difluoronorethindrone

[25450-33-3]



$C_{20}H_{24}F_2O_2$ M 334.405

Has progestational activity. Cryst. (cyclohexane/EtOAc). Mp 167-168°. $[\alpha]_D^{24}$ −113° (c, 0.82 in $CHCl_3$).

Ac: [27189-18-0].

$C_{22}H_{26}F_2O_3$ M 376.442

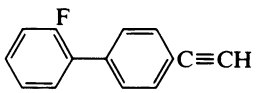
Cryst. (Me_2CO/hexane). Mp 169-170°.

Boswell, G.A. *et al, J. Org. Chem.*, 1971, **36**, 575.

4'-Ethynyl-2-fluoro-1,1'-biphenyl, 9CI E-00230

(2'-Fluoro-4-biphenylyl)acetylene. ***Fluretofen,*** *USAN, INN. Lilly 93819*

[56917-29-4]



$C_{14}H_9F$ M 196.224

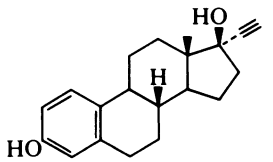
Antithrombotic agent. Mp 28.5-31°. $Bp_{0.2}$ 94-97°.

U.S.P., 3 968 251, (*1976*); *CA*, **85**, 116915 (*synth, pharmacol*)
Sullivan, H.R. *et al, Drug Metab. Dispos.*, 1979, **7**, 76 (*metab*)

17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol E-00231

19-Nor-17α-pregna-1,3,5(10)-trien-20-yne-3,17-diol, 9CI. Estinyl. Progynon C. 17α-Ethynylestradiol. ***Ethinyloestradiol, BAN.*** *19-Norpregna-1,3-5(10)trien-20-yne-3,17-diol. Ethinylestradiol, INN, USAN. Loestrin. Eticyclol. Feminone. NSC 10973. Numerous proprietary names*

[57-63-6]



$C_{20}H_{24}O_2$ M 296.408

Metabolically active steroid. Oestrogen. Oral contraceptive. Cryst. (MeOH aq.). Mp 145-146°. $[\alpha]_D$ +1° (dioxan). A range of biologically active 3-ethers is known. Component of Eugynon, Ovran, Ovranette, Microgynon, Logynon, Trinordiol, Marvelon, Norimin, Norlestrin, Conova, Minilyn and numerous other oral contraceptive formulations.

▷RC8925000.

3-Benzoyl:

$C_{27}H_{28}O_3$ M 400.516

Cryst. (MeOH). Mp 203-204°.

3-Cyclopentyl ether: [152-43-2]. ***Quinestrol,*** *BAN, USAN, INN. Agalacto-Quilea. Basaquines. Eston. Estrovis. Estrovister. Plestrovis. Qui-lea. W 3566.*

$C_{25}H_{32}O_2$ M 364.527

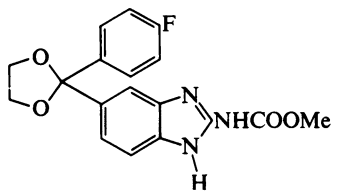
Oestrogen. Mp 107-108°. $[\alpha]_D^{25}$ +5° (c, 0.5 in dioxan).
▷RC8948000.

3-(2-Propanesulfonate): [28913-23-7]. *Ethynylestradiol 3-isopropylsulfonate. Deposiston-Oestrogen. Turisteron. J 96.*
$C_{23}H_{30}O_4S$ M 402.548
Oestrogen. Cryst. (Me_2CO/hexane). Mp 162-164°. $[\alpha]_D$ +3.5° ($CHCl_3$).

Inhoffen, H.H. *et al*, *Ber.*, 1938, **71**, 1024 (*synth*)
Ercoli, A. *et al*, *Chem. Ind. (London)*, 1961, 1037 (*synth*)
Counsell, R.E. *et al*, *J. Med. Chem.*, 1966, **9**, 689 (*pharmacol*)
Williams, K.I.H. *et al*, *Steroids*, 1967, **9**, 275 (*metab, Quinestrol*)
Schwarz, S. *et al*, *J. Prakt. Chem.*, 1970, **312**, 653 (*synth, sulfonate*)
Schwarz, S. *et al*, *Pharmazie*, 1975, **30**, 17, 52 (*sulfonate*)
Ranney, R.E. *et al*, *J. Toxicol. Environ. Health*, 1977, **3**, 139, 231 (*revs, metab*)
Vaalburg, W. *et al*, *J. Labelled Compd. Radiopharm.*, 1977, **13**, 200 (*synth*)
Horvath, G. *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1280 (*ms*)
Newburger, J. *et al*, *Contraception*, 1985, **32**, 33 (*rev, pharmacol*)
Duesterberg, B. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1187 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5766.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9043, 9101.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2073.

Etibendazole, USAN, INN E-00232

Methyl [5-[2-(4-fluorophenyl)-1,3-dioxolan-2-yl]-1H-benzimidazol-2-yl]carbamate, 9CI. R 34803
[64420-40-2]

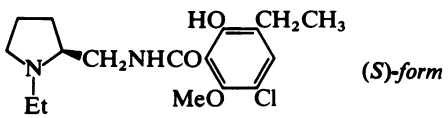


$C_{18}H_{16}FN_3O_4$ M 357.341
Anthelmintic. Mp 227.7°.

U.S.P., 4 032 536, (*1977*); *CA*, **87**, 168033h (*synth*)
Michiels, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1982, **256**, 180 (*pharmacol*)

Eticlopride, INN E-00233

3-Chloro-5-ethyl-N-[(1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxybenzamide, 9CI. A 38503. FLB 131



(S)-form

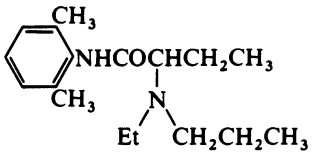
$C_{17}H_{25}ClN_2O_3$ M 340.849

(S)-form [84226-12-0]
Antipsychotic (dopamine receptor antagonist).
B,HCl: Cryst. (Me_2CO). Mp 144-146°. $[\alpha]_D^{20}$ −69° (Me_2CO).

Waagner, A. *et al*, *Acta Pharm. Suec.*, 1985, **22**, 101 (*cryst struct, abs config*)
De Paulis, T. *et al*, *J. Med. Chem.*, 1986, **29**, 61 (*synth, pharmacol, cmr*)
Kebabian, *Neurotransmissions*, 1986, **2**, 2 (*rev*)

Etidocaine, BAN, INN, USAN E-00234

N-(2,6-Dimethylphenyl)-2-(ethylpropylamino)-butanamide, 9CI. Duranest



$C_{17}H_{28}N_2O$ M 276.421
Opt. active isomers also known.
▷EJ3617000.

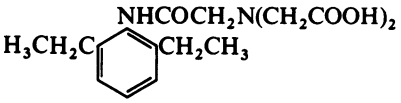
(±)-form [36637-18-0]
Local anaesthetic.
▷EJ3617000.

B,HCl: [36637-19-1]. *W 19053.* Cryst. (2-propanol/isopropyl ether). Mp 203-203.5°.

Adams, H.J. *et al*, *J. Pharm. Sci.*, 1972, **61**, 1829 (*pharmacol*)
Ger. Pat., 2 162 744, (*1972*); *CA*, **77**, 101244c (*synth*)
Covino, B.G., *Adv. Neurol.*, 1974, **4**, 463 (*rev*)
Vine, J. *et al*, *Xenobiotica*, 1978, **8**, 509 (*metab*)
Wiklund, L., *Acta Anaesthesiol. Scand. Suppl.*, 1978, **70**, 83 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7626.

Etifenin, BAN, INN, USAN E-00235

N-(Carboxymethyl)-N-[2-[(2,6-diethylphenyl)amino]-2-oxoethyl]glycine, 9CI. 2,2'-[[2-[(2,6-Diethylphenyl)-amino]-2-oxoethylimino]bis]acetic acid
[63245-28-3]

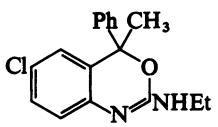


$C_{16}H_{22}N_2O_5$ M 322.360
Diagnostic agent. Used as ^{99}Tc complex in hepatic function detn. Cryst. (H_2O). Mp 193.5-195° dec.

Ger. Pat., 2 723 605, (*1977*); *CA*, **88**, 177206q (*synth*)
Wistow, B.W. *et al*, *J. Nucl. Med.*, 1977, **18**, 455 (*pharmacol*)
Tjen, H.S.L.M., *Prog. Radiopharmacol.*, 1979, **1**, 225 (*rev*)
Best, M.P. *et al*, *Aust. J. Chem.*, 1982, **35**, 2371 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5878.

Etifoxine, BAN, INN E-00236

6-Chloro-N-ethyl-4-methyl-4-phenyl-4H-3,1-benzoxazin-2-amine, 9CI. 6-Chloro-2-(ethylamino)-4-methyl-4-phenyl-4H-3,1-benzoxazine, 8CI. Hae 36801
[21715-46-8]



$C_{17}H_{17}ClN_2O$ M 300.787
▷DM3028000.

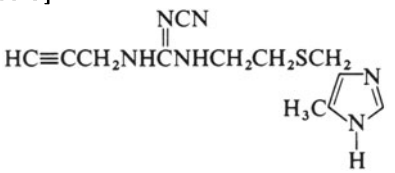
(±)-form
Tranquilliser. Cryst. (pet. ether). Mp 90-92°.
B,HCl: [56776-32-0]. *Stresam.* Mp 150-151°.

Hoffmann, I. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 975 (*synth, pharmacol*)
Boissier, J.R. *et al*, *Therapie*, 1972, **27**, 325 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19158.

Etintidine, INN **E-00237**

N-*Cyano*-N′-[2-[[(5-*methyl*-1H-*imidazol*-4-*yl*)-*methyl*]*thio*]*ethyl*]-N″-2-*propynylguanidine*, 9CI

[69539-53-3]



$C_{12}H_{16}N_6S$ M 276.359

Antihistamine (H_2 antagonist). Cryst. (MeCN). Mp 150-152.5°.

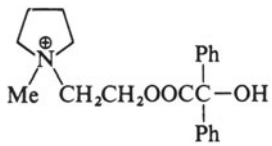
B,HCl: [71807-56-2]. *Etintidine hydrochloride*, *USAN*. *BL 5641A*.

U.S.P., 4 157 347, (*1979*); *CA*, **91**, 123422 (*synth*)
Stefanick, S.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1985, **22**, 677 (*synth*)
Dammann, H.G. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1699 (*pharmacol*)
Scott, C.K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **281**, 5 (*pharmacol*)
Huang, S.-M. *et al*, *Biopharm. Drug Dispos.*, 1988, **9**, 477 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12713.

Etipirium(1+) **E-00238**

1-[2-[(*Hydroxydiphenylacetyl*)*oxy*]*ethyl*]-1-*methylpyrrolidinium*, 9CI. 1-(2-*Hydroxyethyl*)-1-*methylpyrrolidinium benzilate*. *Etipyrium*

[54505-25-8]



$C_{21}H_{26}NO_3^{\oplus}$ M 340.441 (ion)

Antihaemorrhagic and spasmolytic drug.

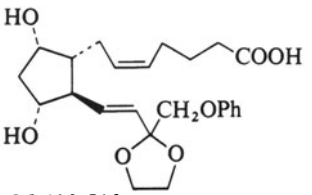
Iodide: [3478-15-7]. *Etipirium iodide*, *INN*.
$C_{21}H_{26}INO_3$ M 467.346
Mp 147-148°.

Fr. Pat., M3354, (*1962*); *CA*, **63**, 13162g (*synth, pharmacol*)
Ioffe, D.V. *et al*, *Zh. Obshch. Khim.*, 1962, **32**, 3237 (*synth*)
Abramson, F.B. *et al*, *Br. J. Pharmacol.*, 1969, **37**, 207 (*pharmacol*)
Rey, A., *Farmaco, Ed. Sci.*, 1974, **39**, 434 (*props*)
Wolinski, J. *et al*, *Acta Pol. Pharm.*, 1979, **36**, 7 (*synth*)

Etiproston, INN **E-00239**

7-[3,5-*Dihydroxy*-2-[2-[2-(*phenoxymethyl*)-1,3-*dioxolan*-2-*yl*]*ethenyl*]*cyclopentyl*]-5-*heptenoic acid*, 9CI

[59619-81-7]



$C_{24}H_{32}O_7$ M 432.513

Abortifacient. Prostaglandin. Oil.

▷MJ9671000.

Cpd. with 2-*amino*-2-(*hydroxymethyl*)-1,3-*propanediol* (*1:1*): [77698-96-5]. *Etiproston trometamol*, *INN*. *ZK 71677*.

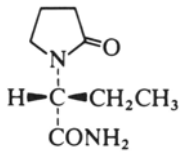
Compd. with tris(*hydroxymethyl*)*methylamine* (*1:1*): [59619-82-8]. Cryst. Mp 105-106°.

Skuballa, W. *et al*, *J. Med. Chem.*, 1978, **21**, 443 (*synth, ir, nmr, pharmacol*)
Brambaifa, N., *Experientia*, 1988, **44**, 45 (*pharmacol*)

Etiracetam, INN **E-00240**

α-*Ethyl*-2-*oxo*-1-*pyrrolidineacetamide*, 9CI. 2-(2-*Oxo*-1-*pyrrolidinyl*)*butyramide*. *UCB 6474*

[33996-58-6]



$C_8H_{14}N_2O_2$ M 170.211

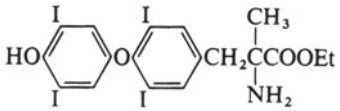
(R)-form

Nootropic (cognition enhancer). Mp 115-117°. $[\alpha]_D^{25}$ +90.7° (c, 1 in Me_2CO).

Belg. Pat., 762 728, (*1971*); *CA*, **77**, 114240y (*synth*)
Giurgea, C., *Dev. Psychiatry*, 1978, **2**, 876 (*rev, pharmacol*)
Wolthuis, O.L., *Pharmacol., Biochem. Behav.*, 1981, **15**, 247 (*pharmacol*)
Eur. Pat., 165 919, (*1985*); *CA*, **105**, 97305a (*synth, resoln*)

Etiroxate, INN **E-00241**

O-(4-*Hydroxy*-3,5-*diiodophenyl*)-3,5-*diiodo*-α-*methyltyrosine ethyl ester*, 9CI. α-*Methylthyroxine ethyl ester*, 8CI. *Skleronorm. CG 635*



$C_{18}H_{17}I_4NO_4$ M 818.955

(±)-form

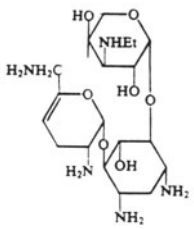
Anticholesterolaemic agent; lipid regulating agent. Mp 156-157°.

Netherlands Pat., 6 614 150, (*1967*); *CA*, **67**, 91112k (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12715.

Etisomicin, BAN, INN **E-00242**

3″-N-*Demethyl*-3″-N-*ethylsisomicin*. *Bay V1 4718*

[70639-48-4]



$C_{20}H_{39}N_5O_7$ M 461.557

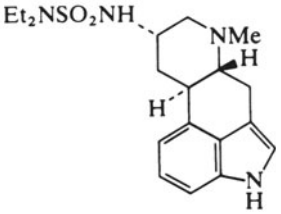
Aminoglycoside antibiotic. Semisynthetic. $[\alpha]_D^{20}$ +179° (c, 1.0 in H_2O).

Eur. Pat., 889, (*1979*); *CA*, **91**, 57416y (*synth*)
Eur. Pat., 32 591, (*1981*); *CA*, **95**, 187602z (*synth*)

Etisulergine, INN **E-00243**

N,N-*Diethyl*-N′-(6-*methylergolin*-8α-*yl*)*sulfamide*, 9CI. *CQ 32084*

[64795-23-9]



$C_{19}H_{28}N_4O_2S$ M 376.516

Prolactin-secretion inhibitor. Mp 201-202°. $[\alpha]_D^{20}$ −57° (c, 0.3 in DMF).

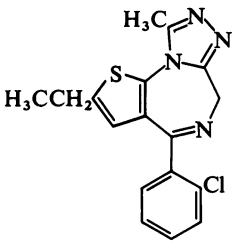
B,HCl: [64795-43-3]. Mp 218-220°. $[\alpha]_D^{20}$ −27° (c, 0.4 in Py).

Ger. Pat., 2 657 770, (*1977*); *CA*, **88**, 7178q (*synth*)

Etizolam, INN **E-00244**

4-(2-Chlorophenyl)-2-ethyl-9-methyl-6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepine, 9CI. Etinozolam. Depas. AHR 3219. Y 7131

[40054-69-1]



$C_{17}H_{15}ClN_4S$ M 342.845

Anticonvulsant. Mp 144-146°.

▷XZ6158300.

Tahara, T. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1153, 1158, 1170 (*synth, pharmacol*)

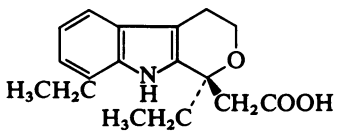
Weber, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1978, 1257 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16639.

Etodolac, BAN, INN, USAN **E-00245**

1,8-Diethyl-1,3,4,9-tetrahydropyrano[3,4-b]indole-1-acetic acid, 9CI. Etodolic acid. Lodine. Ultradol. AY 24236

[41340-25-4]



(*S*)-*form*

$C_{17}H_{21}NO_3$ M 287.358

(*S*)-*form* [87249-11-4]

Pharmacol. active isomer. Cryst. (C_6H_6/pet. ether). Mp 138-140°. $[\alpha]_D^{21}$ +25.2° (c, 3 in EtOH).

(±)-*form* [87226-38-8]

Antiinflammatory drug. Analgesic. Cryst. ($CHCl_3$/hexane). Mp 145-148°.

Demerson, C.A. *et al*, *J. Med. Chem.*, 1976, **19**, 391 (*synth, pharmacol*)

Demerson, C.A. *et al*, *J. Med. Chem.*, 1983, **26**, 1778 (*resoln*)

Ferdinandi, E.S. *et al*, *Xenobiotica*, 1986, **16**, 153 (*metab*)

Humber, L.G. *et al*, *J. Med. Chem.*, 1986, **29**, 871 (*cryst struct, abs config*)

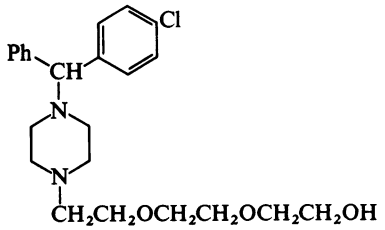
Humber, L.G., *Med. Res. Rev.*, 1987, **7**, 1 (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12717.

Etodroxizine, INN **E-00246**

2-[2-[2-[4-(p-Chloro-α-phenylbenzyl)-1-piperazinyl]-ethoxy]ethoxy]ethanol, 8CI. Hydrochlorbenzethylamine

[17692-34-1]



$C_{23}H_{31}ClN_2O_3$ M 418.963

$Bp_{0.01}$ 250°.

▷JH2625000.

(±)-*form*

Hypnotic. Tranquilliser.

Dimaleate: [53859-10-2]. *Indunox. Drimyl. Vesparax. Noxadron. UCB 1414.*

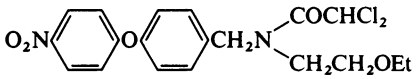
B.P., 817 231, (*1959*); *CA*, **54**, 9970 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12718.

Etofamide, INN **E-00247**

2,2-Dichloro-N-(2-ethoxyethyl)-N-[[4-(4-nitrophenoxy)phenyl]methyl]acetamide, 9CI. Ethychlordiphene. Kitnos. Kitnosil. K 430

[25287-60-9]



$C_{19}H_{20}Cl_2N_2O_5$ M 427.283

Antiamoebic agent. Mp 134-135°.

U.S.P., 2 824 894, (*1958*); *CA*, **54**, 19593e (*synth*)

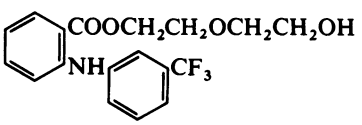
de Carneri, I. *et al*, *Farmaco, Ed. Prat.*, 1972, **27**, 585 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4783.

Etofenamate, BAN, INN, USAN **E-00248**

2-[(3-Trifluoromethyl)phenyl]aminobenzoic acid 2-(2-hydroxyethoxy)ethyl ester, 9CI. N-(α,α,α-Trifluoro-m-tolyl)anthranilic acid 2-(2-hydroxyethoxy)ethyl ester, 8CI. Bayrogal. Rheumon. B 577. Other proprietary names

[30544-47-9]



$C_{18}H_{18}F_3NO_4$ M 369.340

Antiinflammatory, topical antirheumatic, analgesic. Oil. $Bp_{0.001}$ 130-135°. n_D^{20} 1.5634.

▷CB4400000.

Boltzer, K.H. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1300 (*synth, props*)

Baehring-Kuhlmey, S.R., *Drugs of Today*, 1978, **14**, 7 (*rev*)

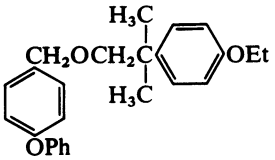
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4734 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2644.

Etofenoprox, INN **E-00249**

1-[[2-(4-Ethoxyphenyl)-2-methylpropoxy]methyl]-3-phenoxybenzene, 9CI. Ethofenprox. MTI 500. Trebon

[80844-07-1]



$C_{25}H_{28}O_3$ M 376.494

Broad-spectrum insecticide. $n_D^{20.2}$ 1.5732.

Ger. Pat., 3 117 510, (*1982*); *CA*, **97**, 5964e (*synth, activity*)

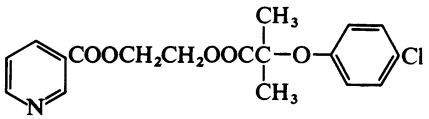
Udagawa, T., *Jpn. Pestic. Inf.*, 1986, **48**, 23; *CA*, **105**, 185836e (*activity*)

Kamiya, J., *CA*, 1987, **106**, 97679w (*pharmacol*)

Etofibrate, INN **E-00250**

2-[2-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]ethyl 3-pyridinecarboxylate, 9CI. 2-Hydroxyethyl nicotinate 2-(p-chlorophenoxy)-2-methylpropionate, 8CI. Afloyan. Etolip. Noflevan. Tricerol. XE 14-543

[31637-97-5]



$C_{18}H_{18}ClNO_5$ M 363.797

Hypolipaemic agent. Cryst. Mp 100°.

Ger. Pat., 1 941 217, (*1971*); *CA*, **74**, 125446j (*synth, pharmacol*)

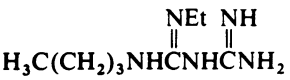
Sterner, W. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1990 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12719.

Etoformin, INN **E-00251**

N-Butyl-N″-ethylimidodicarbonimidic diamide, 9CI. N-Butyl-N″-ethylbiguanide

[45086-03-1]



$C_8H_{19}N_5$ M 185.272

Antidiabetic drug.

B,HCl: [53597-26-5]. *Etoformin hydrochloride, USAN. SHE 199.*

B,HNO₃: [39125-64-9]. Cryst. (EtOAc/EtOH). Mp 99°.

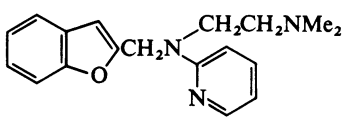
B,2HNO₃: Cryst. (EtOH). Mp 164-165°.

U.S.P., 3 960 949, (*1976*); *CA*, **85**, 159475k (*synth, pharmacol*)

Etofuradine, INN **E-00252**

N-(Benzofuran-2-ylmethyl)-N′,N′-dimethyl-N-2-pyridylethanediamine, 9CI. 2-[(2-Benzofuranylmethyl)[2-(dimethylamino)ethyl]amino]pyridine, 8CI

[17692-35-2]



$C_{18}H_{21}N_3O$ M 295.383

Antitussive agent. $Bp_{0.01}$ 165-175°.

Fumarate: [25927-20-2]. Mp 125°.

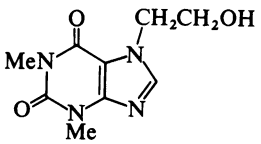
Belg. Pat., 704 705, (*1968*); *CA*, **72**, 78858s (*synth, pharmacol*)

Descamps, M. *et al*, *Chim. Ther.*, 1970, **5**, 169 (*synth, pharmacol*)

Etofylline, INN **E-00253**

3,7-Dihydro-7-(2-hydroxyethyl)-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-(2-Hydroxyethyl)theophylline, 8CI. 7-(2-Hydroxyethyl)-1,3-dimethylxanthine. Phyllocormin N. *Bio-Phylline. Oxphylline. Oxytheonyl. Numerous proprietary names*

[519-37-9]



$C_9H_{12}N_4O_3$ M 224.219

Diuretic, vasodilator. Bitter-tasting cryst. Mp 158°.

▷XH5850000.

Taugner, R. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 601 (*pharmacol*)

Roth, H.J., *Arch. Pharm.* (*Weinheim, Ger.*), 1959, **292**, 234 (*synth*)

Schlemmer, W., *J. Chromatogr.*, 1971, **63**, 121 (*tlc*)

Kamei, K. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 1228 (*glc, ms*)

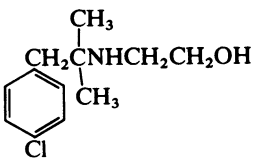
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1257 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 635.

Etolorex, INN **E-00254**

2-[[2-(4-Chlorophenyl)-1,1-dimethylethyl]amino]-ethanol, 9CI

[54063-36-4]



$C_{12}H_{18}ClNO$ M 227.733

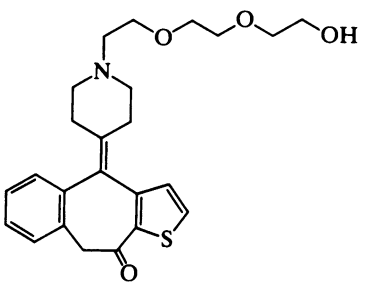
Anorectic agent. Bp_1 135-140°.

Belg. Pat., 615 731, (*1962*); *CA*, **57**, 16482i (*synth, pharmacol*)

Etolotifen, INN **E-00255**

4,9-Dihydro-4-[1-[2-[2-[(2-hydroxyethoxy)ethoxy]-ethyl]-4-piperidinylidene]-10H-benzo[4.5]-cyclohepta[1,2-b]thiophen-10-one, 9CI. HE 36-953

[82140-22-5]



$C_{24}H_{29}NO_4S$ M 427.557

Antiasthmatic agent. Oil.

B,HBr: Mp 177-178°.

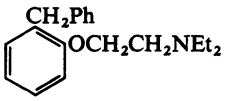
Oxime; B,HCl: Cryst. Mp 240-243°.

Eur. Pat., 47 226, (*1982*); *CA*, **97**, 23631 (*synth, pharmacol*)

Etoloxamine, INN **E-00256**

N,N-*Diethyl-2-[(2-phenylmethyl)phenoxy]ethanamine, 9CI. 2-[(α-Phenyl-o-tolyl)oxy]triethylamine, 8CI. AH 3. CI 072*

[1157-87-5]



$C_{19}H_{25}NO$ M 283.413

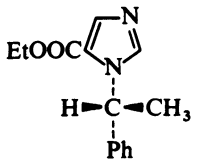
Antihistamine.

B,HCl: [2087-37-8]. Mp 157-158°.

Vecerkova, J. *et al, J. Chromatogr.*, 1962, **7**, 527 (*chromatog*)
Ger. Pat., 1 269 134, (*1968*); *CA*, **69**, 76919b (*synth, pharmacol*)

Etomidate, BAN, USAN, INN **E-00257**

1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid ethyl ester, 9CI. 1-(1-Phenylethyl)-5-ethoxycarbonylimidazole



$C_{14}H_{16}N_2O_2$ M 244.293

(***R*)-form** [33125-97-2]

Pharmacol. active isomer.

▷NI4021500.

(±)-form

Potent fast-acting anaesthetic.

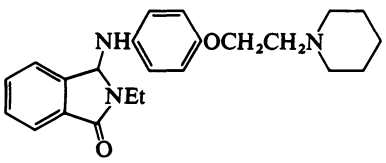
B,HCl: Mp 142-143°.

Godefroi, E.F. *et al, J. Med. Chem.*, 1965, **8**, 220 (*synth*)
Chang, Z.L. *et al, Anal. Profiles Drug Subst.*, 1983, **12**, 191 (*rev*)
Giese, J.L. *et al, Pharmacotherapy* (*Carlisle, Mass.*), 1983, **3**, 251 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3110.

Etomidoline, INN **E-00258**

2-Ethyl-2,3-dihydro-3-[[4-[2-(1-piperidinyl)ethoxy]-phenyl]amino]-1H-isoindol-1-one, 9CI. 2-Ethyl-3-(β-piperidino-p-phenetidino)phthalimidine, 8CI. Amidoline. Dolispasmo. Miantor S. *Smedolin. K 2680*

[21590-92-1]



$C_{23}H_{29}N_3O_2$ M 379.501

▷TI5695400.

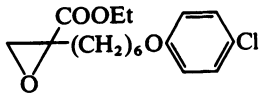
(±)-form

Muscle relaxant. Mp 180-181°.

South African Pat., 05 704, (*1968*); *CA*, **70**, 68156f (*synth, pharmacol*)

Etomoxir, INN **E-00259**

2-[6-(4-Chlorophenoxy)hexyl]oxirane carboxylic acid ethyl ester, 9CI



$C_{17}H_{23}ClO_4$ M 326.819

(±)-form [82258-36-4]

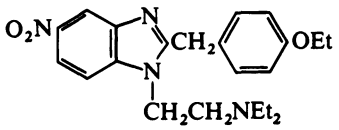
Hypoglycaemic agent. Oil. $Bp_{0.2}$ 164°.

U.S.P., 4 337 267, (*1982*); *CA*, **97**, 182187 (*synth*)
Kruszynska, Y.T. *et al, Biochem. Pharmacol.*, 1987, **36**, 3917 (*pharmacol*)
Reaven, G.M. *et al, Diabetes*, 1988, **37**, 28 (*pharmacol*)

Etonitazene, BAN, INN **E-00260**

2-[(4-Ethoxyphenyl)methyl]-N,N-dimethyl-5-nitro-1H-benzimidazole-1-ethanamine, 9CI. 1-(2-Diethylaminoethyl)-2-(4-ethoxybenzyl)-5-nitrobenzimidazole. Aethonitazen. Etobedolum. Opioid. Ba 20684. C 20410. Ciba 20684. NIH 7607

[911-65-9]



$C_{22}H_{28}N_4O_3$ M 396.488

Narcotic analgesic. Mp 75-76°. Addictive.

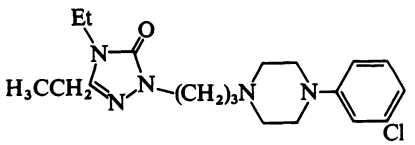
B,HCl: [2653-25-0]. Mp 162-164°.

Hunger, A. *et al, Experientia*, 1957, **13**, 400 (*synth*)
Casy, A.F. *et al, J. Chem. Soc.* (*C*), 1966, 1511 (*synth*)
Carroll, F.I. *et al, J. Med. Chem.*, 1975, **18**, 318 (*synth*)
Humblet, C. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 3828 (*cryst struct*)

Etoperidone, INN **E-00261**

2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-4,5-diethyl-2,4-dihydro-3H-1,2,4-triazol-3-one, 9CI. Staff. ST 1191

[52942-31-1]



$C_{19}H_{28}ClN_5O$ M 377.916

Antiparkinsonian, serotoninergic agent, antidepressant.

B,HCl: [57775-22-1].

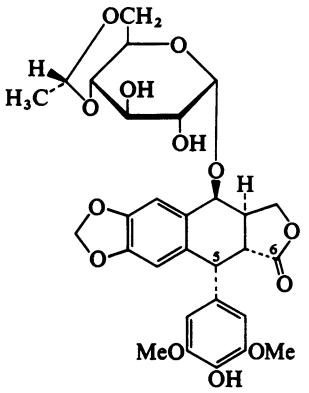
▷XZ5483000.

Austrian Pat., 336 021, (*1977*); *CA*, **87**, 85033g (*synth*)
Scorza Barcellona, P. *et al, Toxicology*, 1977, **8**, 87 (*tox*)
Ramacci, M.T. *et al, Arzneim.-Forsch.*, 1979, **29**, 294 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12721.

Etoposide, BAN, INN, USAN **E-00262**

Epipodophyllotoxin. Vespid. Vepesid. VP 16213. NSC 141540

[33419-42-0]



$C_{29}H_{32}O_{13}$ M 588.564

Closely related to Teniposide, T-00071 Semisynthetic podophyllotoxin deriv. Cytotoxic agent. Cryst. (MeOH). Mp 236-251°. $[\alpha]_D^{20}$ −110.5° (c, 0.6 in $CHCl_3$).

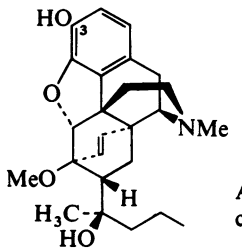
▷KC0190000.

Keller-Juslen, C. *et al J. Med. Chem.*, 1971, **14**, 936 (*synth, pharmacol*)
Arnold, A.M. *et al, Lancet.*, 1981, **2**, 912 (*rev*)
Issell, B.F. *et al*, Eds., *Etoposide: Current Status and New Developments*, Academic Press, 1984 (*book*)
Clark, P.I. *et al, Clin. Pharmacokinet.*, 1987, **12**, 223 (*rev, pharmacol, metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1834.

Etorphine, BAN, INN **E-00263**

4,5-Epoxy-3-hydroxy-6-methoxy-α,17-dimethyl-α-propyl-6,14-ethenomorphinan-7-methanol, 9CI. M 99. NIH 8068. UM 495

[14521-96-1]



Absolute configuration

$C_{25}H_{33}NO_4$ M 411.540

Potent analgesic. Off-white prisms + $1H_2O$ (2-ethoxyethanol). Mp 215-216°.

▷Addictive. KM8100000.

B,HCl: [18603-51-5]. Mp 267°.

3-Ac: [25333-77-1]. ***Acetorphine, BAN, INN.*** *M 183. NIH 8074. UM 501.*

$C_{27}H_{35}NO_5$ M 453.577

Morphine antagonist; narcotic analgesic. Off-white prisms (EtOH). Mp 196°.

▷Addictive

3-Ac; B,HCl: [25333-78-2]. Mp 206°.

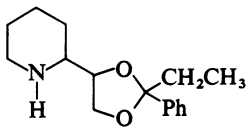
Compd. with Acepromazine: [39456-60-5]. *Immobilon.* Vet. immobilization agent.

Lister, R.E., *J. Pharm. Pharmacol.*, 1964, **16**, 364 (*pharmacol*)
Bentley, K.W. *et al, J. Am. Chem. Soc.*, 1967, **89**, 3281 (*synth*)
Hermansen, K. *et al, Acta Pharmacol. Toxicol.*, 1974, **34**, 189 (*Immobilon*)
Carroll, F.I. *et al, J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6227.

Etoxadrol, INN, JAN, USAN **E-00264**

2-(2-Ethyl-2-phenyl-1,3-dioxolan-4-yl)piperidine, 9CI, 8CI. 2-Ethyl-2-phenyl-4-(2-piperidyl)-1,3-dioxolane

[28189-85-7]



$C_{16}H_{23}NO_2$ M 261.363

(+)-***form***

Sympathomimetic, anaesthetic.

B,HCl: [23239-37-4]. *Etoxadrol hydrochloride, USAN. Thoxan. CL 1848C. U 37862A.* Cryst. (2-propanol). Mp 221.5-222°. $[\alpha]_D^{25}$ +16.63°.

(±)-***form***

B,HCl: [3666-68-0]. Cryst. (EtOH/2-propanol). Mp 256°.

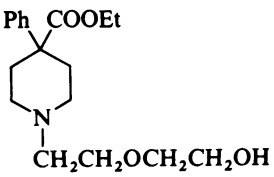
▷JH7720000.

Hardie, W.R. *et al, J. Med. Chem.*, 1966, **9**, 127 (*synth*)
Ger. Pat., 2 001 616, (*1970*); *CA*, **74**, 13129b (*resoln*)
Traber, D.L. *et al, J. Pharmacol. Exp. Ther.*, 1970, **175**, 395 (*pharmacol*)
Hidalgo, J. *et al, Anaesth. Analg.*, 1971, **50**, 231 (*pharmacol*)

Etoxeridine, BAN, INN **E-00265**

1-[2-(2-Hydroxyethoxy)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, 9CI. 4-Ethoxycarbonyl-1-(2-hydroxyethoxyethyl)-4-phenylpiperidine. Atenorax. Atenos (old form). Carbetidine. UCB 2073. Wy 2039

[469-82-9]



$C_{18}H_{27}NO_4$ M 321.416

Narcotic analgesic. $Bp_{0.02}$ 170°.

B,HCl: [5794-23-0]. Mp 115°.

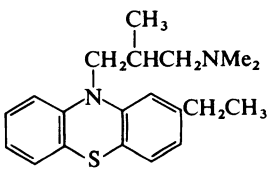
▷TM6310000.

Merlevede, E. *et al, Arch. Int. Pharmacodyn. Ther.*, 1958, **115**, 213 (*pharmacol*)
U.S.P., 2 858 316, (*1959*); *CA*, **53**, 6258 (*synth*)

Etymemazine, INN **E-00266**

10-[3-(Dimethylamino)-2-methylpropyl]-2-ethylphenothiazine, 8CI. Ethotrimeprazine. Ethylisobutrazine. Diquel. Nuital

[523-54-6]



$C_{20}H_{26}N_2S$ M 326.499

(±)-*form*

Antihistamine, tranquilliser.

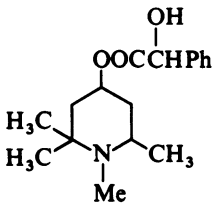
B,HCl: [3737-33-5]. *Sergetyl. RP 6484.* Mp 173-175°.

B.P., 789 703, (*1958*); *CA*, **53**, 4312h (*synth, pharmacol*)
Adjarian, R. *et al, Arch. Int. Pharmacodyn.*, 1963, **141**, 443 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12723.

Eucatropine, BAN, INN E-00267

α-Hydroxybenzeneacetic acid 1,2,2,6-tetramethyl-4-piperidinyl ester, 9CI. Mandelic acid 1,2,2,6-tetramethyl-4-piperidyl ester, 8CI. Betacaine mandelate. Euphthalmine

[100-91-4]



$C_{17}H_{25}NO_3$ M 291.389

Mydriatic, ophthalmic anticholinergic agent. Prisms (pet. ether). Sol. hot H_2O. Mp 113° (sinters at 108°). Mainly used as hydrochloride.

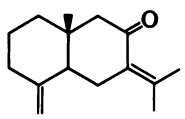
B,HCl: [536-93-6]. *Eucatropine hydrochloride, USAN.* Insol. Et_2O, sol. H_2O. Mp 183-184°.

Kipping, F.S., *J. Chem. Soc.*, 1923, **123**, 3115 (*synth*)
Smith, S.E., *Lancet*, 1971, 837 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 369.

4(15),7(11)-Eudesmadien-8-one E-00268

4(15),7(11)-Selinadien-8-one

[54707-47-0]



$C_{15}H_{22}O$ M 218.338

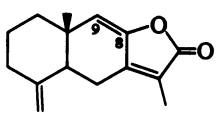
Constit. of *Atractylodes japonica.* Antiinflammatory. Oil.

Endo, K. *et al, Bull. Chem. Soc. Jpn.*, 1979, **52**, 2439 (*struct*)
Endo, K. *et al, Chem. Pharm. Bull.*, 1979, **27**, 2954 (*isol*)
Banerjee, A.K. *et al, Indian J. Chem., Sect. B*, 1983, **22**, 1259 (*synth*)
Banerjee, A.K. *et al, J. Chem. Res. (S)*, 1984, 284 (*synth*)

4(15),7(11),8-Eudesmatrien-12,8-olide E-00269

Atractylenolide I. 8,9-Dehydroasterolide

[73069-13-3]



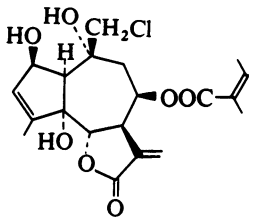
$C_{15}H_{18}O_2$ M 230.306

Constit. of *Atractylodes japonica.* Antiinflammatory. Cryst. (hexane), also descr. as oil. Mp 109-110.5°. $[\alpha]_D^{20}$ +222° (c, 0.01 in MeOH).

Endo, K. *et al, Chem. Pharm. Bull.*, 1979, **27**, 2954.
Bohlmann, F. *et al, Phytochemistry*, 1980, **19**, 433.
Bokel, H.-H., *et al, Justus Liebigs Ann. Chem.*, 1982, 73 (*synth*)

Eupachlorin E-00270

[20071-50-5]



$C_{20}H_{25}ClO_7$ M 412.866

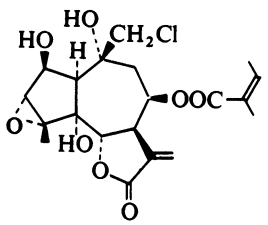
Constit. of *Eupatorium rotundifolium.* Tumour inhibitor. Cryst. (MeOH). Mp 219-221° dec. $[\alpha]_D^{27}$ −110° (c, 0.35 in EtOH).

Ac: [20501-52-4]. ***Eupachlorin acetate.***
$C_{22}H_{27}ClO_8$ M 454.904
Constit. of *E. rotundifolium.* Tumour inhibitor. Cryst. (C_6H_6). Mp 161-164° dec. (*in vacuo*). $[\alpha]_D^{26}$ −192° (c, 0.63 in MeOH).

Kupchan, S.M. *et al, J. Org. Chem.*, 1969, **34**, 3876.

Eupachloroxin E-00271

[20071-52-7]



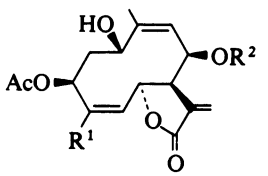
$C_{20}H_{25}ClO_8$ M 428.866

Constit. of *Eupatorium rotundifolium.* Tumour inhibitor. Amorph. Chromatography on acid-washed alumina gives Eupatoroxin.

Kupchan, S.M. *et al, J. Org. Chem.*, 1969, **34**, 3876.

Eupacunin E-00272

[33854-15-8]



$R^1 = CH_3$

$R^2 = -OC$

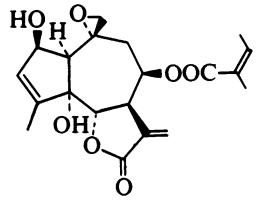
$C_{22}H_{28}O_7$ M 404.459

Constit. of *Eupatorium cuneifolium.* Antileukaemic. Cryst. (MeOH). Mp 166-167°. $[\alpha]_D^{25}$ +55° (c, 1.24 in Me_2CO).

Kupchan, S.M. *et al, J. Org. Chem.*, 1973, **38**, 2189.

Euparotin E-00273

[10191-01-2]



$C_{20}H_{24}O_7$ M 376.405

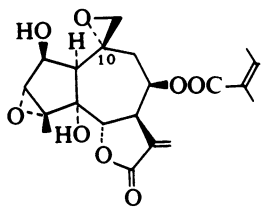
Constit. of *Eupatorium rotundifolium*. Tumour growth inhibitor. Cryst. (EtOAc/pet. ether). Mp 199-200° (vac.). $[\alpha]_D^{32}$ −124° (c, 1.25 in EtOH).

Ac: [10215-89-1]. ***Euparotin acetate***.
$C_{22}H_{26}O_8$ M 418.443
Constit. of *E. rotundifolium*. Tumour inhibitor. Cryst. ($CHCl_3/C_6H_6$/pet. ether). Mp 156-157° (vac.). $[\alpha]_D^{30}$ −191° (c, 0.54 in EtOH).

Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3876 (*struct, isol*)
Kupchan, S.M. *et al*, *J. Med. Chem.*, 1971, **14**, 1147 (*pharmacol*)
McPhail, A.T. *et al*, *Tetrahedron*, 1973, **29**, 1751 (*abs config*)

Eupatoroxin E-00274

[20071-51-6]



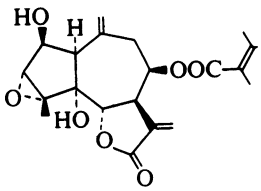
$C_{20}H_{24}O_8$ M 392.405

Constit. of *Eupatorium rotundifolium*. Tumour inhibitor. Cryst. (Me_2CO/pet. ether). Mp 197-200°. $[\alpha]_D^{26}$ −98° (c, 1.08 in MeOH). The 10-epimer (10-*epi*-Eupatoroxin) occurs in the same plant and is also a tumour inhibitor.

Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3876.

Eupatundin E-00275

[20071-53-8]



$C_{20}H_{24}O_7$ M 376.405

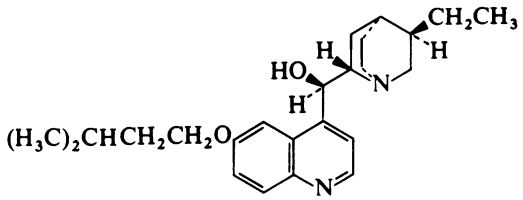
Constit. of *Eupatorium rotundifolium*. Tumour inhibitor. Cryst. ($CHCl_3/C_6H_6$/pet. ether). Mp 188-189°. $[\alpha]_D^{29}$ −80° (c, 0.44 in EtOH).

Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3876.

Euprocin, INN E-00276

10,11-Dihydro-6′-(3-methylbutoxy)cinchonan-9-ol, *9CI*. *O⁶′-Isopentylhydrocupreine*, *8CI*. *Isoamylhydrocupreine*. *Eucupin*. *Wl 287*

[1301-42-4]



$C_{24}H_{34}N_2O_2$ M 382.545

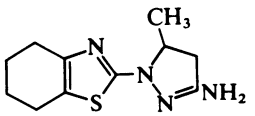
Topical anaesthetic, antiseptic. Mp 152°. Also used as hydrochloride (Euprocin hydrochloride, USAN).

▷MW6650000.

Slotta, K.H. *et al*, *Ber.*, 1933, **66**, 360 (*synth*)
Lien, E.J. *et al*, *J. Med. Chem.*, 1968, **11**, 430 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7627.

Evandamine, INN E-00277

4,5-Dihydro-5-methyl-1-(4,5,6,7-tetrahydro-2-benzothiazolyl)-1H-pyrazol-3-amine, *9CI*.



$C_{11}H_{16}N_4S$ M 236.334

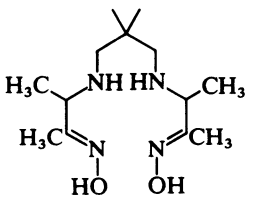
(±)-***form*** [100035-75-4]

Antiinflammatory agent. Beige cryst. Mp 247-249°.

Ger. Pat., 3 407 506, (*1985*); *CA*, **104**, 68853b (*synth*)

Exametazime, BAN, INN E-00278

3,3′-[(2,2-Dimethyl-1,3-propanediyl)diimino]bis-2-butanonoxime, *9CI*. *Hexametazime*



$C_{13}H_{28}N_4O_2$ M 272.390

(***RS,SR*)-form** [100551-63-1]

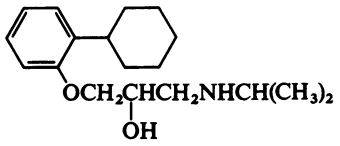
Radiodiagnostic aid (brain scintigraphy). Cryst. (EtOAc). Used as ^{99}Tc complex.

Nowotnik, D.P. *et al*, *Nucl. Med. Commun.*, 1985, **6**, 499 (*synth, pharmacol*)
Jurisson, S. *et al*, *Inorg. Chem.*, 1986, **25**, 543 (*synth, complexes, ir, pmr, cmr, ms, uv, x-ray diffract*)

Exaprolol, INN **E-00279**

1-(2-Cyclohexylphenoxy)-3-[(1-methylethyl)amino]-2-propanol, 9CI. MG 8823. VULM 111

[55837-19-9]



$C_{18}H_{29}NO_2$ M 291.433

(±)-*form*

β-Adrenergic blocking agent.

B,HCl: [59333-90-3]. *Exaprolol hydrochloride, USAN. M.G. 8823.* Cryst. (EtOH or MeOH/Et_2O). Mp 178-179°.

▷UA9500000.

Carissimi, M. *et al, Arzneim.-Forsch.*, 1976, **26**, 506 (*synth, pharmacol*)

Jendrichovsky, J. *et al, Collect. Czech. Chem. Commun.*, 1978, **43**, 1100 (*synth, pharmacol*)

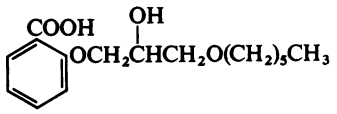
Ger. Pat., 3 333 025, (*1984*); *CA*, **101**, 90757 (*resoln*)

Hughes, B. *et al, J. Pharm. Pharmacol.*, 1984, **36**, 597 (*pharmacol*)

Exiproben, INN **E-00280**

2-[3-(Hexyloxy)-2-hydroxypropoxy]benzoic acid, 9CI. Droctil. Etopalin. DCh 21. X 40

[26281-69-6]



$C_{16}H_{24}O_5$ M 296.363

(±)-*form*

Choleretic agent.

Na salt: [3478-44-2]. Mp 147°.

B.P., 933 980, (*1963*); *CA*, **60**, 2866a (*synth, pharmacol*)

U.S.P., 3 198 827, (*1965*); *CA*, **63**, 13161 (*synth*)

Koss, F.W. *et al, Acta Pharmacol. Toxicol. Suppl.*, 1971, **29**, 128 (*pharmacol, metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12726.

F

Factor *V* **F-00001**

Blood-coagulation factor V. *Accelerator globulin. Labile factor. Proaccelerin*

[9001-24-5]

Blood clotting agent.

Colman, R.W. *et al*, *CRC Handb. Ser. Clin. Lab. Sci. Sect. 1*, 1980, **3**, 33 (*rev*)
Nesheim, M.E. *et al*, *Methods Enzymol.*, 1981, **80**, 249 (*purifn, props*)
Mann, K.G. *et al*, *New Compr. Biochem.*, 1986, **13**, 15 (*rev*)
Kane, W.H. *et al*, *Blood*, 1988, **71**, 539 (*rev, struct, props*)

Factor *VII* **F-00002**

Blood-coagulating factor VII. *Cothromboplastin. Proconvertin. Serum prothrombin conversion accelerator. SPCA*

[9001-25-6]

Haemostatic protein containing 406 amino acid residues. Isol. from human plasma or serum. Blood clotting agent.

Jesty, J., *CRC Handb. Ser. Clin. Lab. Ser. Sect. 1*, 1980, **3**, 41 (*rev*)
Broze, G.J. *et al*, *Methods Enzymol.*, 1981, **80**, 228 (*rev, purfn, props*)
Holkenberg, J.S. *et al*, Eds., *Enzymes as Drugs*, Wiley, N.Y., 1981, 332 (*rev*)
Mariani, G. *et al*, *Clin. Chem. Newsl.*, 1984, **4**, 85 (*rev*)

Factor *VIII* **F-00003**

Blood-coagulation factor VIII. *Antihemophilic factor. Antihemophilic globulin. Actif VIII-HT. Emoclot. Haemate. Kryobulin. Ristofact. AHF. Numerous proprietary names*

[9001-27-8]

Haemostatic protein containing 2332 amino acid residues. Isol. from plasma. Used in treatment of haemophilia A.

Kernoff, P.B.A., *Prog. Clin. Biol. Res.*, 1984, **150**, 207 (*pharmacol, rev*)
Fay, P.J. *et al*, *New Compr. Biochem.*, 1986, **13**, 35 (*rev*)
Smit Sibinga, C.T., *CRC Crit. Rev. Clin. Lab. Sci.*, 1986, **24**, 43 (*manuf*)
Hoyer, L.W., *Hum. Pathol.*, 1987, **18**, 153 (*rev*)
Kane, W.H. *et al*, *Blood*, 1988, **71**, 539 (*rev, struct, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1225.

Factor *IX* **F-00004**

Blood-coagulation factor IX. *Christmas factor. Autohemophilic factor B. Autoprothrombin II. Plasma thromboplastin component. Numerous proprietary names*

[9001-28-9]

Haemostatic glycoprotein containing 416 amino acid residues. Isol. from plasma and serum. Used in treatment of haemophilia B (Christmas disease).

▷EC6045000.

Aronson, D.L., *Semin. Thromb. Hemostasis*, 1979, **6**, 28 (*rev, pharmacol*)
Chung, K.-S. *et al*, *CRC Handb. Ser. Clin. Lab. Sci. Sect. 1*, 1980, **3**, 85 (*rev*)
Giddings, J., *Methods Hematol.*, 1982, **5**, 51 (*purifn*)
Lawn, R.M., *Cell (Cambridge, Mass.)*, 1985, **42**, 405 (*rev*)
McGraw, R.A. *et al*, *Clin. Haematol.*, 1985, **14**, 359 (*rev*)
Davie, E.W., *J. Protein Chem.*, 1986, **5**, 247 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1227.

Factor *X* **F-00005**

Blood-coagulation factor X. *Stuart-Prower factor*

[9001-29-0]

Isol. from plasma and serum. Blood clotting agent.

Fujikawa, K. *et al*, *Methods Enzymol.*, 1976, **45**, 89, 95 (*rev*)
Jackson, C.M., *Prog. Hemostasis Thromb.*, 1984, **7**, 55 (*rev*)
Zwaal, R.F.A. *et al*, *New Compr. Biochem.*, 1986, **13**, 141 (*rev*)

Factor *XII* **F-00006**

Blood-coagulating factor XII. *Contact factor. Hageman factor*

[9001-30-3]

Isol. from plasma. Blood clotting agent. Antiinflammatory agent.

Griffin, J.H. *et al*, *Methods Enzymol.*, 1976, **45**, 177 (*rev*)
Cochrane, C.G., *Handb. Inflammation*, 1983, **4**, 361 (*rev*)
Moore, T.L. *et al*, *Semin. Arthritis Rheum.*, 1985, **14**, 247 (*rev*)
Tans, G. *et al*, *Semin. Thromb. Hemostasis*, 1987, **13**, 1 (*rev*)

Factor *XIII* **F-00007**

Blood-coagulation factor XIII. *Fibrogammin. Fibrin-stabilising factor. Laki-Lorand factor. FSF*

[9013-56-3]

Haemostatic peptide containing 1372 amino acid residues. Isol. from plasma. Blood clotting agent. Surgical adhesive.

Lorand, L. *et al*, *Prog. Haemostasis Thromb.*, 1980, **5**, 245 (*rev*)
McDonagh, J. *et al*, *CRC Handb. Ser. Clin. Lab. Sci. Sect. 1*, 1980, **3**, 125 (*rev*)
Karges, H.E., *Methods Enzymol. Anal. (3rd. Ed.)*, 1984, **5**, 400 (*anal*)
Henschen, A. *et al*, *New Compr. Biochem.*, 1986, **13**, 171 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1228.

Factor *XIV* **F-00008**

Blood-coagulation factor XIV. *Protein C. PC*

[60202-16-6]

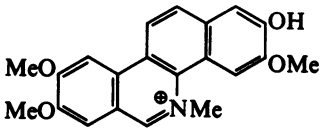
Haemostatic peptide containing 262 amino acid residues. Blood clotting agent.

Esmon, C.T., *J. Med. (Westbury, N.Y.)*, 1985, **16**, 285 (*rev*)
Dahlbaeck, B. *et al*, *New Compr. Biochem.*, 1986, **13**, 285 (*rev*)
Esman, C.T., *Science*, 1987, **235**, 1348 (*rev*)
Strickland, D.K. *et al*, *Clin. Chim. Acta*, 1987, **170**, 1 (*rev, struct, props*)
High, K.A. *et al*, *Arch. Pathol. Lab. Med.*, 1988, **112**, 28 (*rev*)

Fagaronine F-00009

2-Hydroxy-3,8,9-trimethoxy-5-methylbenzo[c]-*phenanthridinium*(*1+*), *9CI*

[52259-65-1]



$C_{21}H_{20}NO_4^{\oplus}$ M 350.393 (ion)

Alkaloid from the roots of *Fagara xanthoxyloides* (Rutaceae). Active as a tumour inhibitor; very active antileukaemic agent. Inhibitor of RNA reverse transcriptase activity in oncogenic viruses. An intercalating agent. Bactericidal.

Chloride:

$C_{21}H_{20}ClNO_4$ M 385.846

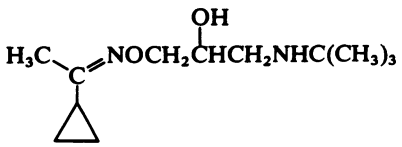
Yellow needles (EtOAc/MeOH). Mp 202° (198-200°) (solidifies and remelts at 225°) (260-261°).

Messmer, W.M. *et al*, *J. Pharm. Sci.*, 1972, **61**, 1858 (*ir, uv, ms, pmr, isol struct*)
Gillespie, J.P. *et al*, *J. Org. Chem.*, 1974, **39**, 3239 (*synth*)
Tin-Wa, M. *et al*, *J. Pharm. Sci.*, 1974, **63**, 1476 (*struct*)
Sethi, V.S. *et al*, *Biochem. Biophys. Res. Commun.*, 1975, **63**, 1070 (*pharmacol*)
Phillips, S.D. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 223 (*rev*)
Ishii, H. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 2963 (*synth*)
Hanaoka, M. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 2348 (*synth, uv, ir, pmr, ms*)
Ishii, H. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1987, 671 (*synth, ir, pmr*)

Falintolol, INN F-00010

1-Cyclopropylethanone-O-[*3*-[(*1,1-dimethylethyl*)-*amino*]-*2-hydroxypropyl*]*oxime*, *9CI*

[88134-91-2]



$C_{12}H_{24}N_2O_2$ M 228.334

(±)-*form* [90581-63-8]

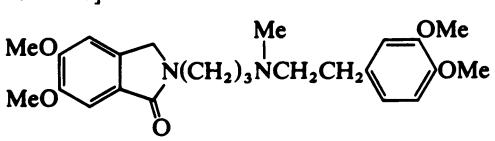
β-Adrenergic blocker. Cryst. (EtOAc/MeOH). Mp 128° (as oxalate).

Bouzoubaa, M. *et al*, *J. Med. Chem.*, 1984, **27**, 1291; 1985, **28**, 896 (*synth, pharmacol*)
Himber, J. *et al*, *J. Chromatogr. Sci.*, 1987, **25**, 33 (*detn, resoln*)

Falipamil, INN F-00011

2-[*3*-[[*2*-(*3,4-Dimethoxyphenyl*)*ethyl*]*methylamino*]-*propyl*]-*2,3-dihydro-5,6-dimethoxy-1*H-*isoindol-1-one*, *10CI*. *2*-[*3*-[(*3,4-Dimethoxyphenethyl*)*methylamino*]-*propyl*]-*5,6-dimethoxphhthalimidine*. *AQ-A39*

[77862-92-1]



$C_{24}H_{32}N_2O_5$ M 428.527

Drug used for treatment of ischaemic heart disease which induces brachycardia. Cardiac stimulant (antianginal).

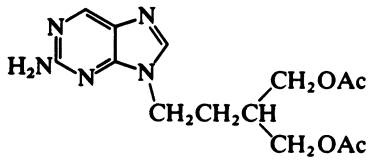
B,HCl: [60987-07-7]. Mp 170-172°.

Ger. Pat., 2 509 797, (*1976*); *CA*, **85**, 192715m (*synth, pharmacol*)
Daemmgen, J. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 666 (*pharmacol*)

Famciclovir, BAN F-00012

2-[*2*-(*2-Amino-9*H-*purin-9-yl*)*ethyl*]-*1,3-propanediol diacetate*, *9CI*. *BRL 42810*

[104227-87-4]



$C_{14}H_{19}N_5O_4$ M 321.335

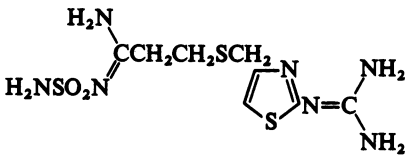
Antiviral agent. Shiny plates (EtOAc/hexane). Mp 102-104°.

Eur. Pat., 182 024, (*1986*); *CA*, **105**, 133669 (*synth, pmr, pharmacol*)

Famotidine, BAN, INN, USAN F-00013

3-[[[*2*-[(*Aminoiminomethyl*)*amino*]-*4-thiazolyl*]-*methyl*]*thio*]-N-(*aminosulfonyl*)*propanimidamide*, *9CI*. *3*-[*2*-(*Diaminomethyleneamino*)-*4-thiazolylmethylthio*]-N-*sulfamoylpropionamidine*. *Amifatidine*. *Gaster*. *Pepcid*. *Pepdul*. *YM 11170*

[76824-35-6]



$C_8H_{15}N_7O_2S_3$ M 337.432

Antihistamine H_2-agent. Mp 163-164°.

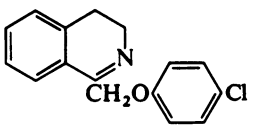
▷UA2300000.

Ger. Pat., 3 008 056, (*1980*); *CA*, **94**, 156916e (*synth, pharmacol*)
Takagi, T. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1982, **256**, 49 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16598.

Famotine, INN F-00014

1-[(*4-Chlorophenoxy*)*methyl*]-*3,4-dihydroisoquinoline*, *9CI*

[18429-78-2]



$C_{16}H_{14}ClNO$ M 271.746

Antiviral agent.

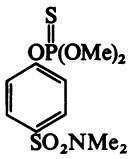
B,HCl: [10500-82-0]. *Famotine hydrochloride*, *USAN*. *UK 2054*. Mp 205-207°.

Netherlands Pat., 6 516 328, (*1966*); *CA*, **65**, 15351c (*synth*)
Reed, S.E. *et al*, *Ann. N.Y. Acad. Sci.*, 1970, **173**, 760 (*pharmacol*)
Tute, M.S. *et al*, *J. Med. Chem.*, 1970, **13**, 44 (*synth, pharmacol*)
Katritzky, A.R. *et al*, *J. Chem. Soc.* (*B*), 1971, 1325 (*conformn*)
Reed, S.E. *et al*, *J. Med. Microbiol.*, 1971, **3**, 346 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12727.

Famphur F-00015

O-[*4-(Dimethylamino)sulfonyl]phenyl* O,O-*dimethyl phosphorothioate, 9CI.* O,O-*Dimethyl phosphorothioate,* O-*ester with* p-*hydroxy*-N,N-*dimethylbenzenesulfonamide, 8CI. Varbex. Famophos. CL 38023. ENT 25644*

[52-85-7]



$C_{10}H_{16}NO_5PS_2$ M 325.334

Insecticide and acaricide, cholinesterase inhibitor. Cryst. (toluene/cyclohexane). Spar. sol. H_2O, aliphatic hydrocarbons. Mp 52.5-53.5°.

▷TF7650000.

Turner, E.C. *et al, J. Am. Vet. Med. Assoc.*, 1962, **141**, 360 (*pharmacol*)

O'Brien, R.D. *et al, J. Agric. Food Chem.*, 1965, **13**, 366 (*metab, tox*)

U.S.P., 3 179 560, (*1965*); *CA*, **63**, 1738 (*synth*)

Gatterdam, P.E. *et al, J. Agric. Food Chem.*, 1967, **15**, 845 (*metab*)

Black, W.D. *et al, Toxicol. Appl. Pharmacol.*, 1979, **50**, 167 (*tox*)

Ding, X.D. *et al, J. Agric. Food Chem.*, 1984, **32**, 622 (*hplc*)

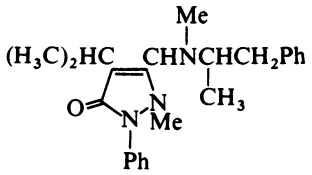
Pesticide Manual, 7th Ed., 254.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 604.

Famprofazone, BAN, INN F-00016

4-Isopropyl-2-methyl-3-[[methyl(α-methylphenethyl)-amino]methyl]-1-phenyl-3-pyrazolin-5-one, 8CI. 5-[N,α-*Dimethyl(phenethylamino)methyl]-4-isopropylnorantipyrine*

[22881-35-2]



$C_{24}H_{31}N_3O$ M 377.528

Analgesic, antipyretic. Powder (EtOH). Mp 132-133°.

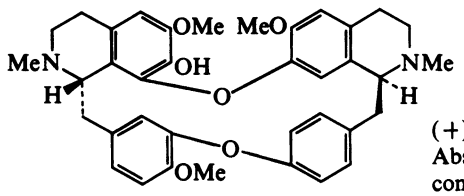
Swiss Pat., 275 620, (*1951*); *CA*, **47**, 1745f

Mrongovius, R. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 161 (*synth, pharmacol, metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2645.

Fangchinoline F-00017

6,6',12-Trimethoxy-2,2'-dimethylberbaman-7-ol, 9CI



(+)-*form* Absolute configuration

$C_{37}H_{40}N_2O_6$ M 608.733

(+)-*form* [436-77-1]

12-O-*Methylatherospermoline*

Alkaloid from the roots of *Cyclea peltata, Triclisia subcordata* and *Stephania hernandifolia*, the tubers of *S. tetrandra*, and from the bark of *Daphnandra* sp. Dt-7 (Menispermaceae, Atherospermacaceae). Shows good *in vitro* antitumour activity against HeLa cells. Cryst. (Et_2O). Mp 240-242° dec. $[\alpha]_D^{24}$ +274° (c, 0.55 in MeOH).

Isomorph: Menisidine. Isol. from the Chinese drug "Mu-fang-chi" (*S. tetrandra*) (Menispermaceae). Prismatic needles (EtOH). Mp 176°. $[\alpha]_D^{20}$ +260°. Transformed into Fangchinoline on heating at 160–70° for 5 hr., and is almost certainly a metastable form of it.

Dipicrate: Mp 186°, Mp 225°.

Me ether: see Tetrandrine, T-00152

(−)-*form* [10172-02-8]

Limacine

Alkaloid from *Limacia cuspidata, L. oblonga, Cyclea barbata, Pycnarrhena longifolia, P. novoguineensis, Colubrina faralaotra, Arcangelisia flava, Curarea candicans* and from a *Phaeanthus* sp. (possibly *P. macropodus*) (Menispermaceae, Annonaceae). Cryst. (C_6H_6/Me_2CO). Mp 154-156°. $[\alpha]_D$ −212° ($CHCl_3$).

2'α-N-*Oxide:* ***Limacine 2'α-N-oxide***.
$C_{37}H_{40}N_2O_7$ M 624.732
Alkaloid from the roots of *Curarea candicans* (Menispermaceae). $[\alpha]_D$ −170° (c, 0.16 in $CHCl_3$).

2β-N-*Oxide:* ***Limacine 2β-N-oxide***.
$C_{37}H_{40}N_2O_7$ M 624.732
Alkaloid from the roots of *C. candicans* (Menispermaceae). $[\alpha]_D$ −191° (c, 0.09 in $CHCl_3$).

2'β-N-*Oxide:* ***Limacine 2'β-N-oxide***.
$C_{37}H_{40}N_2O_7$ M 624.732
Alkaloid from the roots of *C. candicans* (Menispermaceae). $[\alpha]_D$ −154° (c, 0.1 in $CHCl_3$).

N^2-*De-Me:* ***2-Norlimacine***.
$C_{36}H_{38}N_2O_6$ M 594.706
Alkaloid from *Caryomene olivascens* (Menispermaceae). $[\alpha]_D$ −193° (c, 0.13 in $CHCl_3$).

Me ether: see Tetrandrine, T-00152

(±)-*form* [38769-07-2]

Cycleadrine

Alkaloid from the roots of *Cyclea peltata*. Also isol. from the Thai drug Krung Kha Mao (*C. barbata*) (Menispermaceae). Cryst. (Me_2CO/hexane). Mp 160-162°.

B,2HI: Cryst. (EtOH aq.). Mp 223-224°.

Hsing, C.-Y. *et al, Sci. Sinica* (*Peking*), 1958, **7**, 59; *CA*, **52**, 18494b (*struct*)

Kupchan, S.M. *et al, J. Pharm. Sci.*, 1961, **50**, 164, 819 (*isol, uv, Menisidine*)

Tomita, M. *et al, Yakugaku Zasshi*, 1967, **87**, 316, 793, 1560; *CA*, **67**, 32855g; **68**, 3048m, 84980j (*isol*)

Johns, S.R. *et al, Aust. J. Chem.*, 1968, **21**, 1387 (*isol*)

Baldas, J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1972, 592 (*ms*)

Bick, I.R.C. *et al, J. Chem. Soc., Perkin Trans. 1*, 1972, 2884 (*isol*)

Kupchan, S.M. *et al, J. Org. Chem.*, 1973, **38**, 1846 (*isol, uv, pmr, ms, struct*)

Tackie, A.N. *et al, Lloydia*, 1974, **37**, 1 (*isol, uv, ir, pmr, ms*)

Yupraphat, T. *et al, Planta Med.*, 1974, **25**, 315 (*isol*)

Guinaudeau, H. *et al, Planta Med.*, 1975, **27**, 304; 1976, **29**, 54 (*isol*)

Siwon, J. *et al, Phytochemistry*, 1981, **20**, 323 (*isol, uv, pmr, ms*)

Verpoorte, R. *et al, J. Nat. Prod.*, 1982, **45**, 582 (*isol, uv, pmr, ms*)

Lavault, M. *et al, J. Chem. Res.* (*S*), 1985, 248 (*Limacine oxides*)

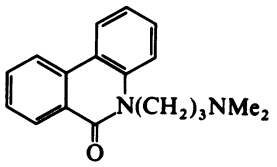
Deng, D. *et al, Huaxue Xuebao*, 1986, **44**, 39; *CA*, **105**, 172803s (*synth*)

Lavault, M. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1148 (*2-Norlimacine*)

Fanthridone, BAN **F-00018**

5-[3-(Dimethylamino)propyl]-6(5H)-phenanthridinone, 9CI, 8CI. ***Fantridone, INN***

[17692-37-4]



$C_{18}H_{20}N_2O$ M 280.369

Antidepressant. Cryst. (pet. ether). Mp 83-84.5°.

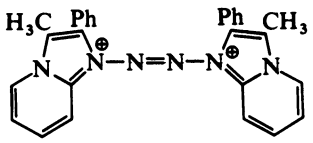
B,HCl: [24390-12-3]. *Fantridone hydrochloride, USAN. AGN 616.* Cryst. + $1H_2O$ ($EtOH/Et_2O$). Mp 225-226°.

B.P., 1 135 947, (*1968*); *CA*, **70**, 87603 (*synth, pharmacol*)
Cookson, R.F. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 475 (*synth*)

Fazadinium(2+) **F-00019**

1,1'-Azobis[3-methyl-2-phenylimidazo[1,2-a]-pyridinium], 9CI. Phenazidinium

[36653-54-0]



$C_{28}H_{24}N_6^{\oplus\oplus}$ M 444.538 (ion)

Neuromuscular blocking agent.

Dibromide: [49564-56-9]. *Fazadinium bromide, BAN, INN. Fazadon. AH 8165. Fazadan.*

$C_{28}H_{24}Br_2N_6$ M 604.346

Yellow cryst. + $2H_2O$ (H_2O). Mp 215-219° (softens at 196°).

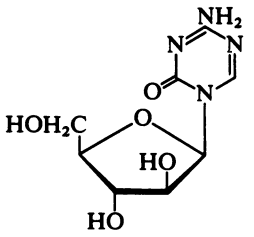
▷NJ5830100.

Glover, E.E. *et al*, *J. Chem. Soc.* (*C*), 1971, 3280 (*synth*)
Bolger, L. *et al*, *Nature* (*London*), 1972, **238**, 354 (*pharmacol*)
Playle, A.C., *Drugs of Today*, 1977, **13**, 95 (*rev, pharmacol*)
Bell, J.A. *et al*, *Br. J. Pharmacol.*, 1979, **66**, 433P (*metab*)
Kienlen, J. *et al*, *Ann. Anesthesiol. Fr.*, 1981, **22**, 631 (*rev, pharmacol*)
d'Hollander, A. *et al*, *Eur. J. Clin. Pharmacol.*, 1983, **24**, 407 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5714.

Fazarabine, INN, USAN **F-00020**

4-Amino-1-β-D-arabinofuranosyl-1,3,5-triazin-2(1H)-one, 9CI. 1-β-D-Arabinofuranosyl-5-azacytosine. Ara-Ac. Kymarabine. NSC 281272

[65886-71-7]



$C_8H_{12}N_4O_5$ M 244.207

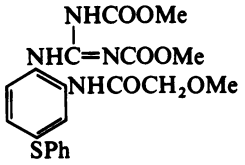
Antineoplastic agent. Mp 223-225°. $[\alpha]_D^{24}$ 122° (c, 1.0 in H_2O), $[\alpha]_D^{24}$ 63° (c, 1.0 in H_2O) after 5 hrs.

Beisler, J.A. *et al*, *J. Med. Chem.*, 1979, **22**, 1230 (*synth, pharmacol*)
Dalal, M. *et al*, *Cancer Res.*, 1986, **46**, 831, 4479 (*props*)
Grem, J.L. *et al*, *Invest. New Drugs*, 1987, **5**, 315 (*rev, pharmacol*)

Febantel, BAN, USAN, INN **F-00021**

[[2-[(Methoxyacetyl)amino]-4-(phenylthio)phenyl]-carbonimidoyl]biscarbamic acid dimethyl ester, 9CI. Amatron. Bayverm. Rintal. Bay Vh 5757

[58306-30-2]



$C_{20}H_{22}N_4O_6S$ M 446.477

Veterinary anthelmintic. Mp 129-130°.

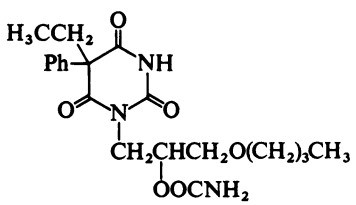
▷FB3955000.

Ger. Pat., 2 423 679, (*1975*); *CA*, **84**, 73949k (*synth, pharmacol*)
Wollweber, H. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 2193 (*pharmacol*)
Wollweber, H. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 531 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12729.

Febarbamate, INN **F-00022**

1-[2-[(Aminocarbonyl)oxy]-3-butoxypropyl]-5-ethyl-5-phenyl-2,4,6-(1H,3H,5H)-pyrimidinetrione, 9CI. 1-(3-Butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid carbamate, 8CI. Phenobamate. Getril. Solium. Tymium. Go 650. G-Tril

[13246-02-1]



$C_{20}H_{27}N_3O_6$ M 405.450

Hypnotic, sedative; tranquilliser. Mp 98°. Component of Tetrabamate.

▷CQ1480000.

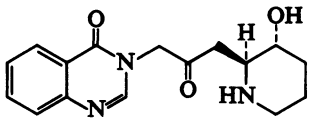
Dicarbamate: Mp 80°.

Fromell, E. *et al*, *Physiol. Pharmacol. Acta*, 1961, **19**, 241 (*pharmacol*)

Gold-Aubert, P. *et al*, *Helv. Chim. Acta*, 1961, **44**, 105 (*synth*)
Gold-Aubert, P. *et al*, *Actualites Pharmacol.*, 1961, **14**, 75 (*pharmacol, rev*)
Buchet, R. *et al*, *Spectrochim. Acta, Part A*, 1982, **38**, 239 (*ir, raman*)
Vachta, J. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1982, **7**, 147; 1983, **8**, 297 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12728.

Febrifugine F-00023

3-[3-(3-Hydroxy-2-piperidinyl)-2-oxopropyl]-4(3H)-quinazolinone, *9CI. Dichroine* B. *β-Dichroine. γ-Dichroine*



Absolute configuration

$C_{16}H_{19}N_3O_3$ M 301.344

(+)-*form* [24159-07-7]

Alkaloid from the roots and leaves of the Chinese drug Ch'ang Shan (*Dichroa febrifuga*) and from *Hydrangea* spp. (Hydrangeaceae). Shows high degree of antimalarial activity (ca. 100 times as active as Quinine) but use limited by toxicity. Also shows antipyretic and emetic activities; an effective coccidiostat. Various synthetic analogues show similar activities and much lower toxicity. Antineoplastic agent. Needles (EtOH). Mp 139-140° or 154-156° (dimorph). $[\alpha]_D^{25}$ +6° (c, 0.5 in $CHCl_3$); +28° (c, 0.5 in EtOH).

B,2HCl: Mp 220-222° dec.
Bis(benzenesulfonyl): Mp 148-148.5°.
Semicarbazone: Mp 187-188° dec.
Oxime: Mp 224-225° dec.
N-*Nitroso:* Mp 171.5-172.5°.

(±)-*form* [39037-90-6]

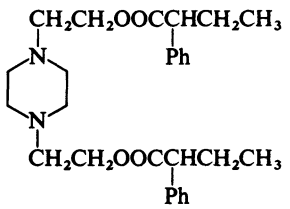
Synthetic. Mp 178.5-180.5°.
B,HBr: Cryst. (EtOH). Mp 229-231°.

Koepfli, J.B. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1837; 1949, **71**, 1048 (*isol, uv*)
Kuehl, F.A. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 2091 (*isol*)
Ablondi, F. *et al*, *J. Org. Chem.*, 1952, **17**, 14 (*isol*)
Baker, B.R. *et al*, *J. Org. Chem.*, 1955, **20**, 136 (*synth*)
Barringer, D.F. *et al*, *J. Org. Chem.*, 1973, **38**, 1933, 1937 (*pmr, abs config*)
Johne, S., *Alkaloids* (*N.Y.*), 1986, **29**, 129 (*rev, pharmacol*)

Febuverine, INN F-00024

2-Phenylbutyric acid 1,4-piperazinediyldiethylene ester, *8CI. 1,4-Piperazinediethanol bis(2-phenylbutyrate). Phebutazine. PG 430*

[7077-33-0]



$C_{28}H_{38}N_2O_4$ M 466.619

Spasmolytic agent.

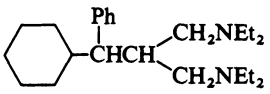
B,2HCl: [5061-24-5]. Cryst. (EtOH). Mp 223°.

Gold-Aubert, P. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1156 (*synth, pharmacol*)
Pala, G., *Arzneim.-Forsch.*, 1966, **16**, 393 (*pharmacol*)

Feclemine, INN F-00025

2-(Cyclohexylphenylmethyl)-N,N,N′,N′-tetraethyl-1,3-propanediamine, *9CI. Fenetamin. Phenecyclamine. Phenetamine. Giacosil. Licabile. Licaran. Spasmexan. UCB 1545*

[3590-16-7]



$C_{24}H_{42}N_2$ M 358.609

(±)-*form*

Spasmolytic drug.

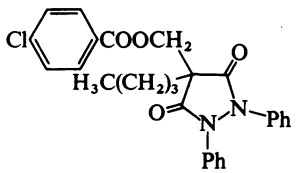
B,2HCl: Mp 205°.

B.P., 776 705, (*1957*); *CA*, **52**, 20065e (*synth*)
Crema, A. *et al*, *J. Pharm. Pharmacol.*, 1965, **17**, 405 (*pharmacol*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5239.

Feclobuzone, INN F-00026

(4-Butyl-3,5-dioxo-1,2-diphenyl-4-pyrazolidinyl)-methyl 4-chlorobenzoate, *9CI. 4-Butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione* p-*chlorobenzoate*, *8CI. Feclozona. Flogomen. AE 9*

[23111-34-4]



$C_{27}H_{25}ClN_2O_4$ M 476.959

(±)-*form*

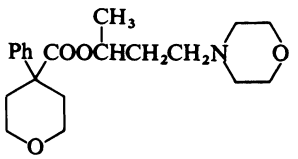
Analgesic, antipyretic and antiinflammatory agent. Mp 90-91°.

Spanish Pat., 347 942, (*1969*); *CA*, **71**, 49939t (*synth, tox*)
Ger. Pat., 1 809 821, (*1969*); *CA*, **72**, 24648e (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3844.

Fedrilate, INN F-00027

1-Methyl-3-morpholinopropyl tetrahydro-4-phenyl-2H-pyran-4-carboxylate. Alevotos. Phenhydropyxylate. Sedatoss. Tussapax. Tussefane. UCB 3928

[23271-74-1]



$C_{20}H_{29}NO_4$ M 347.453

(±)-*form*

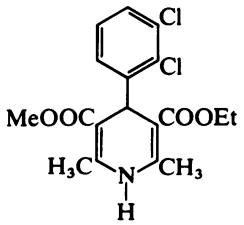
Antitussive. Also used as maleate salt.

Ger. Pat., 1 518 403, (*1970*); *CA*, **73**, 98798w (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5619.

Felodipine, INN, USAN **F-00028**

Ethyl methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate, 9CI

[72509-76-3]



$C_{18}H_{19}Cl_2NO_4$ M 384.258

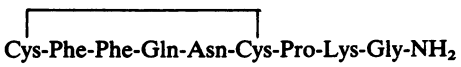
Antihypertensive agent (calcium antagonist). Vasodilator. Cryst. (isopropyl ether). Mp 145°.

Eur. Pat., 7 293, (*1980*); *CA*, **93**, 26283q (*synth, pharmacol*)
Berntsson, P. *et al*, *Acta Pharm. Suec.*, 1981, **18**, 221 (*nmr*)
Eckers, C. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **46**, 205 (*glc, ms*)
Edgar, B. *et al*, *Biopharm. Drug Dispos.*, 1987, **8**, 235 (*metab*)
Elmfeldt, D. *et al*, *Drugs*, 1987, **34**, Suppl. 3 (*revs*)
Johansson, B. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **10**, Suppl. 1 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16801.

Felypressin, BAN, INN, USAN **F-00029**

2-L-Phenylalanine-8-L-lysinevasopressin, 9CI. *Collupressine. Octapressin. Octopressin. Phelypressin. PLV 2*

[56-59-7]



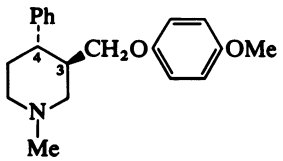
$C_{46}H_{65}N_{13}O_{11}S_2$ M 1040.220

Vasoconstrictor. No phys. props. reported.

Boissonnas, R.A. *et al*, *Helv. Chim. Acta*, 1960, **43**, 190 (*synth*)
Meienhofer, J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 6336 (*synth*)
Schmidt, L. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 1019 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5924.

Femoxetine, INN **F-00030**

3-[(4-Methoxyphenoxy)methyl]-1-methyl-4-phenylpiperidine, 9CI



$C_{20}H_{25}NO_2$ M 311.423

(3R*,4R*)-form [59859-58-4]

(+)-trans-*form*

Antidepressant.

B,HCl: [56222-04-9]. *Malexil. Fg 4963.* Mp 191-193°.

Ger. Pat., 2 404 113, (*1974*); *CA*, 1974, **81**, 152011q (*synth, pharmacol*)
Lassen, J.B. *et al*, *Eur. J. Pharmacol.*, 1975, **32**, 108 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16802.

Fenaclon, INN **F-00031**

3-Chloro-N-(2-phenylethyl)propanamide, 9CI. *3-Chloro-N-phenethylpropionamide,* 8CI. *Fenakon. Phenacon*

[306-20-7]

$PhCH_2CH_2NHCOCH_2CH_2Cl$

$C_{11}H_{14}ClNO$ M 211.691

Anticonvulsant. Mp 58.9-59.5°.

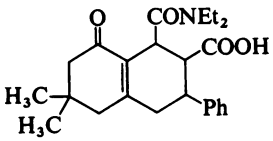
▷UE3285000.

Kaverina, N.V., *Farmakol. Toksikol.*, 1957, **20**, 20 (*pharmacol*)
Kochetkov, N.K., *Zh. Obshch. Khim.*, 1957, **27**, 1399 (*synth*)
Toreva, D., *Farmakol. Toksikol.*, 1967, **30**, 301 (*pharmacol*)
Wasserman, H. *et al*, *Tetrahedron Lett.*, 1979, 549 (*synth*)

Fenaftic acid, INN **F-00032**

1-(Diethylcarbamoyl)-1,2,3,4,5,6,7,8-octahydro-6,6-dimethyl-8-oxo-3-phenyl-2-naphthoic acid, 8CI. *Vesifluyl*

[27736-80-7]



$C_{24}H_{31}NO_4$ M 397.513

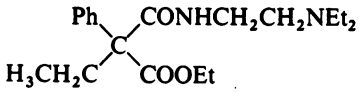
Choleretic agent. Cryst. (2-propanol). Mp 195-200°.

Fr. Pat., M5010, (*1967*); *CA*, **72**, 90145q (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12730.

Fenalamide, USAN, INN **F-00033**

α-[[2-(Diethylamino)ethylamino]carbonyl]-α-ethylbenzeneacetic acid ethyl ester, 9CI. *Ethyl* N-*[2-(diethylamino)ethyl]-2-ethyl-2-phenylmalonamate,* 8CI. *Phemamide. Spasmamide. Sch 5706. SH 30858*

[4551-59-1]



$C_{19}H_{30}N_2O_3$ M 334.458

Smooth muscle relaxant. Oil. Bp_3 182-188°.

▷ON9110800.

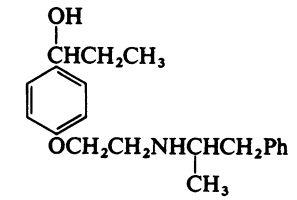
B,HCl: [15734-93-7]. Mp 74-80°.
B,HBr: [5957-23-3]. Mp 71-74°.

B.P., 870 887, (*1959*); *CA*, **56**, 550c (*synth*)
Carminati, G.M., *Arch. Int. Pharmacodyn.*, 1965, **153**, 312 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12731.

Fenalcomine, INN **F-00034**

α-Ethyl-4-[2-[(1-methyl-2-phenylethyl)amino]ethoxy]-benzenemethanol, 9CI. *Ethyl*-p-*[2-[(α-methylphenethyl)amino]ethoxy]benzyl alcohol. 2-*[N-*[β-[4-(α-Hydroxypropyl)phenoxy]ethyl]amino]-1-phenylpropane*

[34616-39-2]



$C_{20}H_{27}NO_2$ M 313.439

Coronary vasodilator. Local anaesthetic.

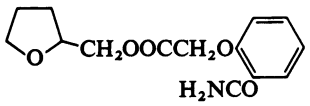
B,HCl: [34535-83-6]. *Cordoxene. Oxileina.* Cryst. (EtOH/Et_2O). Mp 138-142°.

Fr. Pat., M7255, (*1969*); *CA*, **76**, 14107w (*synth, pharmacol*)
Huu-Chanh, P. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **194**, 270 (*pharmacol*)
Huu-Chanh, P. *et al*, *Pharmacology*, 1971, **6**, 137 (*pharmacol*)
Huu-Chanh, P. *et al*, *Drugs Exp. Clin. Res.*, 1978, **4**, 175 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9232.

Fenamifuril, INN F-00035

Tetrahydrofurfuryl (o-*carbamoylphenoxy*)*acetate. Fenamidofuril. Phenamidofuril*

[735-64-8]



$C_{14}H_{17}NO_5$ M 279.292

(±)-*form*

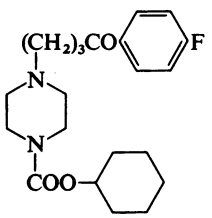
Antiinflammatory and antirheumatic agent. Mp 103-104°.

Marazzi-Uberti, E. *et al*, *Arch. Ital. Sci. Farmacol.*, 1963, **13**, 83 (*pharmacol*)
B.P., 983 122, (*1965*); *CA*, **62**, 11782g (*synth, pharmacol*)

Fenaperone, INN F-00036

Cyclohexyl 4-[4-(4-fluorophenyl)-4-oxobutyl]-1-piperazinecarboxylate, 9CI. Cyclohexyl 4-[(p-fluorobenzoyl)-propyl]-1-piperazinecarboxylate, 8CI. MD 67332

[54063-38-6]



$C_{21}H_{29}FN_2O_3$ M 376.470

Tranquilliser. Neuroleptic.

▷TL1405000.

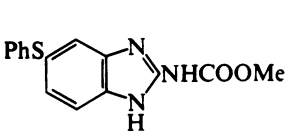
B,HCl: [26964-71-6]. Mp 234°.

Ger. Pat., 1 907 244, (*1969*); *CA*, **72**, 66982q (*synth, pharmacol*)
Gouret, C. *et al*, *C.R. Soc. Biol.*, 1973, **167**, 1366 (*pharmacol*)
Hawkins, D.R. *et al*, *Xenobiotica*, 1977, **7**, 315 (*metab*)

Fenbendazole, BAN, USAN, INN F-00037

Methyl 5-phenylthio-1H-benzimidazol-2-yl carbamate. Axilur. Panacur. Pancacur. Safe-Guard. Worm-A-Rest. Hoe 881

[43210-67-9]



$C_{15}H_{13}N_3O_2S$ M 299.347

Anthelmintic. Powder. Mp 233° dec.

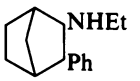
▷DD6520500.

Baeder, C. *et al*, *Experientia*, 1974, **30**, 753.
Ger. Pat., 2 332 486, (*1974*); *CA*, **83**, 43324q
Averkin, E.A. *et al*, *J. Med. Chem.*, 1975, **18**, 1164 (*synth, pharmacol*)
Duewel, D., *Pestic. Sci.*, 1977, **8**, 550 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 778.

Fencamfamin, BAN, INN F-00038

N-*Ethyl-3-phenylbicyclo*[*2.2.1*]*heptan-2-amine, 9CI.* N-*Ethyl-3-phenyl-2-norbornanamine, 8CI. 2-Ethylamino-3-phenylbicyclo*[*2.2.1*]*heptane. Euvitol. Glucoenergan. W 1206*

[1209-98-9]



$C_{15}H_{21}N$ M 215.338

Used as CNS stimulant and appetite suppressant. Liq. $Bp_{0.1}$ 128-130°.

▷RB6650000.

B,HCl: [2240-14-4]. *Norcamphane. H 610.* Principal ingredient of Reactivan. Cryst. (Me_2CO). Mp 192°. Reactivan also contains vitamins B_1, B_6, B_{12}, C.

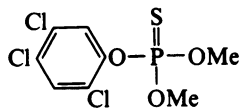
▷RB6825000.

Ger. Pat., 1 110 159 (*1961*); *CA*, **56**, 2352 (*synth*)
Hotovy, R. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 20, 24 (*pharmacol*)
Ger. Pat., 1 219 478 (*1966*); *CA*, **65**, 12136 (*synth*)
Valzelli, L. *et al*, *Psychopharmacologia*, 1971, **20**, 91 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1423.

Fenchlorphos, BAN, BSI F-00039

O,O-*Dimethyl* O-(*2,4,5-trichlorophenyl*) *phosphorothioate, 9CI, 8CI. Dermaphos. Fenclofos, INN.* ***Ronnel, USAN.*** *Trolene. Korlan. Ectoral. Nankor*

[299-84-3]



$C_8H_8Cl_3O_3PS$ M 321.542

Insecticide. Cholinesterase inhibitor. Now superceded. Cryst. powder. Mp 40-42°. $Bp_{0.01}$ 97°. n_D^{35} 1.5597.

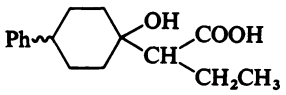
▷Mod. toxic, TLV 10. TG0525000.

U.S.P., 2 887 505, (*1960*); *CA*, **54**, 2257 (*synth*)
Keith, L.H. *et al*, *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **53**, 139 (*P-31 nmr*)
Gore, R.L. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*ir, uv*)
U.S.P., 3 862 273, (*1975*); *CA*, **82**, 125074 (*synth*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Daldrup, T. *et al*, *Fresenius' Z. Anal. Chem.*, 1981, **308**, 413 (*tlc, glc, hplc*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
Pesticide Manual, 6th Ed., 260.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A197.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3585.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 957.

Fencibutirol, USAN, INN **F-00040**

α-Ethyl-1-hydroxy-4-phenylcyclohexaneacetic acid, 9CI, 8CI. α-(1-Hydroxy-4-phenylcyclohexyl)butyric acid

[5977-10-6]



$C_{16}H_{22}O_3$ M 262.348

cis-form

Biligen. Hepasil. Verecol. Verecolene. Mg 4833

Choleretic agent. Mp 159-160°.

trans-form

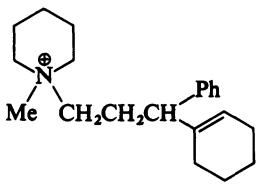
Mp 129-130°.

Carissimi, M. *et al*, *Experientia*, 1959, **15**, 262 (*synth, phamacol*)
Riva, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **162**, 54 (*pharmacol*)
Cantarelli, G. *et al*, *Farmaco, Ed. Sci.*, 1982, **37**, 304 (*synth, isom, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12735.

Fenclexonium(1+) **F-00041**

1-[3-(1-Cyclohexen-1-yl)3-phenylpropyl]-1-methylpiperidinium, 9CI, 8CI

[27112-40-9]



$C_{21}H_{32}N^{\oplus}$ M 298.491 (ion)

Anticholinergic, spasmolytic agent.

Methylsulfate: [30817-43-7]. *Fenclexonium metilsulfate, INN. Hoe 019.*
$C_{22}H_{35}NO_4S$ M 409.583
Mp 106-107°.

Bromide: [17243-51-5].
$C_{21}H_{32}BrN$ M 378.395
Mp 155-159°.

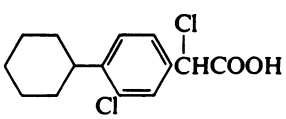
Chloride: [21070-50-8].
$C_{21}H_{32}ClN$ M 333.944
Mp 163-165°.

Fr. Pat., M6641, (*1969*); *CA*, **74**, 125463m (*synth, pharmacol*)
Ehrhart, G. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1094, 1097 (*pharmacol*)

Fenclorac, USAN, INN **F-00042**

α,3-Dichloro-4-cyclohexylbenzeneacetic acid, 9CI. WHR 539

[36616-52-1]



$C_{14}H_{16}Cl_2O_2$ M 287.185

Antiinflammatory drug.

▷AF8795000.

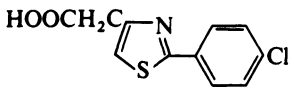
Diethylamine salt (1:1): [36616-54-3]. *Fenbrac.* Cryst. (hexane). Mp 109-115°.

Ger. Pat., 2 122 273, (*1972*); *CA*, **77**, 19390p (*synth, pharmacol*)
Nuss, G.W. *et al*, *Agents Actions*, 1976, **6**, 735 (*pharmacol*)
Procaccini, R. *et al*, *Biochem. Pharmacol.*, 1977, **26**, 1051 (*props*)

Fenclozic acid, BAN, INN **F-00043**

2-(4-Chlorophenyl)-4-thiazoleacetic acid, 9CI. Fenclozin. Mialex. Myalex. ICI 54450

[17969-20-9]



$C_{11}H_8ClNO_2S$ M 253.703

Antiinflammatory, analgesic and antipyretic. Cryst. (EtOAc). Sl. sol. H_2O. Mp 155-156°.

▷XJ1800000.

Et ester: [20287-70-1]. ***Fenclozate.***
$C_{13}H_{12}ClNO_2S$ M 281.756
Antiinflammatory, antipyretic. Cryst. ($CHCl_3/Et_2O$). Mp 114-116°.

Amide: [17969-36-7].
$C_{11}H_9ClN_2OS$ M 252.718
Cryst. (EtOH). Mp 168-170°.

Netherlands Pat., 6 614 130 (*1967*); *CA*, **68**, 68976 (*synth, pharmacol*)
Hepworth, W. *et al*, *Nature* (*London*), 1969, **221**, 582 (*pharmacol*)
Newbould, B.B., *Br. J. Pharmacol.*, 1969, **35**, 487 (*pharmacol*)
Rix, M.J. *et al*, *Org. Mass Spectrom.*, 1971, **5**, 311 (*ms*)
Madronero, R. *et al*, *Eur. J. Med. Chem-Chim. Ther.*, 1974, **9**, 445 (*pharmacol, synth*)
White, D.F. *et al*, *J. Labelled Compd. Radiopharm.*, 1977, **13**, 393 (*synth*)
Rooney, C.S. *et al*, *J. Med. Chem.*, 1983, **26**, 700 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12737.

Fendiline, INN **F-00044**

γ-Phenyl-N-(1-phenylethyl)benzenepropanamine, 9CI. N-(3,3-Diphenylpropyl)-α-methylbenzylamine. Phenaxazan. Phenoxan

[13042-18-7]

$Ph_2CHCH_2CH_2NHCH_2PhCH_3$

$C_{23}H_{25}N$ M 315.457

▷DP4790000.

(±)-form

Coronary vasodilator (calcium antagonist). $Bp_{0.3}$ 206-210°.

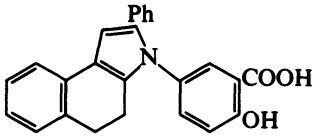
B,HCl: [18636-18-5]. *Cordan. Difmecor. Fendilar. Olbiacor. Plenum. Sensit. HK 137.* Mp 204-205°. LD_{50} in mice 14.5 mg/kg, i.v.; 950 mg/kg, p.o.

Harsányi, K. *et al*, *J. Med. Chem.*, 1964, **7**, 623 (*synth*)
Klosa, J., *J. Prakt. Chem.*, 1966, **34**, 312 (*synth*)
Volford, J. *et al*, *J. Labelled Compd. Radiopharm.*, 1973, **9**, 219 (*synth*)
Kukovetz, W.R. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1321; 1977, **27**, 71 (*pharmacol*)
Kukovetz, W.R. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1982, **7**, 105 (*pharmacol*)
Eiden, F. *et al*, *Dtsch. Apoth.-Ztg.*, 1983, **123**, 958 (*hplc, uv, ir, pmr*)
Klein, G., *Drug Dev. Eval.*, 1985, **11**, 3 (*rev*)
Weyhenmeyer, R. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 58 (*pharmacol, tox*)
Carpy, A. *et al*, *Acta Crystallogr., Sect. C*, 1989, **45**, 273 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9233.

Fendosal, BAN, INN, USAN **F-00045**

5-(4,5-Dihydro-2-phenyl-3H-benz[e]indol-3-yl)-2-hydroxybenzoic acid, 9CI. *Alnovin. HP 129. P 710129*

[53597-27-6]



$C_{25}H_{19}NO_3$ M 381.430

Analgesic, antiinflammatory and antipyretic agent. Cryst. (AcOH). Mp 223-225° dec.

▷DG8576200.

Anderson, V.B. *et al, J. Med. Chem.*, 1976, **19**, 318 (*synth, pharmacol*)
Lassman, H.B. *et al, Agents Actions*, 1978, **8**, 209 (*pharmacol*)
Warrander, A. *et al, Drug Metab. Dispos.*, 1981, **9**, 161 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2648.

Feneritrol, INN **F-00046**

Neopentanetetrayl 2-phenylbutyrate. Pentaerythritol tetrakis(2-phenylbutyrate). SD 149-01

[15301-67-4]

$(H_3CCH_2CHPhCOOCH_2)_4C$

$C_{45}H_{52}O_8$ M 720.901

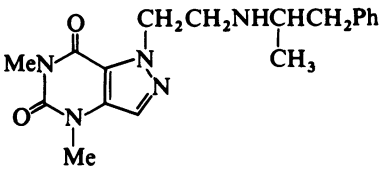
Hypocholesteraemic agent. Mp 62-64°.

Belg. Pat., 629 853, (*1963*); *CA*, **60**, 11952g (*synth, pharmacol*)

Fenethylline, BAN **F-00047**

3,7-Dihydro-1,3-dimethyl-7-[2-(1-methyl-2-phenylethyl)aminoethyl]-1H-purine-2,6-dione, 9CI. *7-[2-[(α-Methylphenethylamino)]ethyl]theophylline. Amphetaminotheophylline. Amfetyline.* ***Fenetylline, INN.*** *Other proprietary names*

[3736-08-1]



$C_{18}H_{23}N_5O_2$ M 341.412

(±)-form

Central stimulant.

B,HCl: [1892-80-4]. *Fenethylline hydrochloride, USAN. Captagon. H 814.* Mp 227-229° and Mp 237-239°.

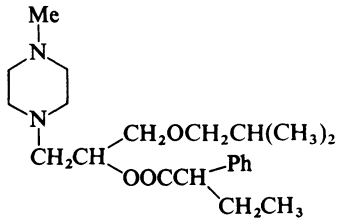
▷XH6125000.

Wagemann, U. *et al, Arzneim.-Forsch.*, 1959, **9**, 311 (*pharmacol*)
Ger. Pat., 1 123 329, (*1962*); *CA*, **57**, 5933 (*synth*)
Ellison, T. *et al, Eur. J. Pharmacol.*, 1974, **13**, 123 (*metab*)
Gagauzov, I. *et al, CA*, 1984, **101**, 130491 (*synth*)
Nickel, B. *et al, Drug Alcohol Depend.*, 1986, 235 (*pharmacol, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4919 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12738.

Fenetradil, INN **F-00048**

1-[(4-Methyl-1-piperazinyl)methyl]-2-(2-methylpropoxy)ethyl α-ethylbenzeneacetate, 9CI. *1-(Isobutoxymethyl)-2-(4-methyl-1-piperazinyl)ethyl 2-phenylbutyrate,* 8CI

[54063-39-7]



$C_{22}H_{36}N_2O_3$ M 376.538

Antiarrhythmic agent, coronary vasodilator.

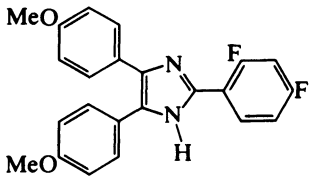
B,2HCl: [31911-54-3]. Mp 186°.

B.P., 1 211 307, (*1970*); *CA*, **74**, 141861w (*synth, pharmacol*)

Fenflumizole, INN **F-00049**

2-(2,4-Difluorophenyl)-4,5-bis(4-methoxyphenyl)-1H-imidazole, 9CI. *A 214*

[73445-46-2]



$C_{23}H_{18}F_2N_2O_2$ M 392.404

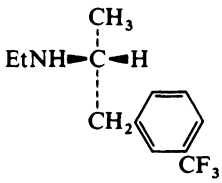
Antiinflammatory agent. Cryst. (2-propanol). Mp 137-138°.

Corell, T. *et al, Acta Pharmacol. Toxicol.*, 1983, **53**, 288 (*pharmacol, tox*)
Midskov, C., *J. Chromatogr.*, 1983, **278**, 109 (*hplc*)
U.S.P., 4 424 229, (*1979*); *CA*, **100**, 121078y (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19169.

Fenfluramine, BAN **F-00050**

N-*Ethyl-α-methyl-3-(trifluoromethyl)-benzeneethanamine,* 9CI. N-*Ethyl-α-methyl-*m-*(trifluoromethyl)phenethylamine,* 8CI. *2-Ethylamino-1-(3-trifluoromethylphenyl)propane. Numerous proprietary names*

[458-24-2]



(R)-form
Absolute configuration

$C_{12}H_{16}F_3N$ M 231.260

▷SH6820000.

(R)-form [37577-24-5]

Levofenfluramine

$[\alpha]_D^{25}$ −9.5° (c, 8.0 in EtOH).

▷SH6824000.

(S)-form [3239-44-9]

Dexfenfluramine, INN. *Adifax. S5614*

Appetite suppressant. $[\alpha]_D^{25}$ +9.5° (c, 8.0 in EtOH).

▷SH6822000.

B,HCl: [3239-45-0]. Cryst. (EtOAc). Mp 160-161°.

(±)-form [5220-89-3]

Anorexic agent. Bp_{12} 108-112°.

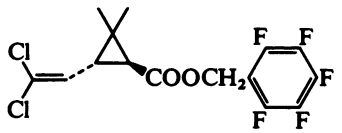
B,HCl: [404-82-0]. *Fenfluramine hydrochloride, USAN. Ponderax. Pondimin.* Anorexic. Mp 166°.

▷SH6825000.

Belg. Pat., 609 630, (*1964*); *CA*, **60**, 1647 (*synth*)
U.S.P., 3 198 834, (*1965*); *CA*, **63**, 11425 (*synth*)
Beckett, A.H. *et al*, *Tetrahedron*, 1968, **24**, 1283 (*abs config*)
Beckett, A. *et al*, *J. Chromatogr.*, 1972, **69**, 285 (*glc*)
Morgan, C.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **180**, 127 (*metab*)
Pinder, R.M. *et al*, *Drugs*, 1975, **10**, 241 (*rev*)
Smith, H.E. *et al*, *J. Org. Chem.*, 1975, **40**, 1562 (*cd, conformn*)
Caccia, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1982, **258**, 15 (*metab*)
Caccia, S. *et al*, *Eur. J. Clin. Pharmacol.*, 1985, **29**, 221 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1478, 18628.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2410.

Fenfluthrin, BAN, INN F-00051

3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid (pentafluorophenyl)methyl ester, 9CI. Baynac. Bay Vn 6528. NAK 1654



(1*R*,3*S*)-*form*

$C_{15}H_{11}Cl_2F_5O_2$ M 389.149

(1*R*,3*S*)-form [75867-00-4]

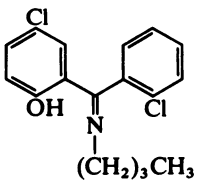
Ectoparasiticide.

Ger. Pat., 2 658 074, (*1978*); *CA*, **89**, 129278 (*synth*)
Behrenz, W. *et al*, *CA*, 1984, **101**, 19035 (*props*)

Fengabine, BAN, INN F-00052

2-[(Butylimino)(2-chlorophenyl)methyl]-4-chlorophenol, 9CI. α-Butylimino-4-chloro-α-(2-chlorophenyl)-o-cresol. SL 79229

[80018-06-0]



$C_{17}H_{17}Cl_2NO$ M 322.233

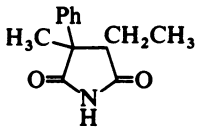
Antidepressant. Mp 54-55°.

Fr. Pat., 2 475 543, (*1981*); *CA*, **96**, 6370z (*synth*)
Lloyd, K.G. *et al*, *J. Pharmacol. Exp. Ther.*, 1985, **235**, 191 (*pharmacol*)
Eur. Pat., 193 450, (*1986*); *CA*, **105**, 226012d (*synth*)
Zivkovic, R.B. *et al*, *L.E.R.S. Monogr. Ser.*, 1986, **4**, 85 (*rev*)
Saletu, B. *et al*, *Drug Dev. Res.*, 1987, **11**, 251 (*pharmacol*)

Fenimide, BAN, USAN, INN F-00053

4-Ethyl-3-methyl-3-phenylpyrrolidine-2,5-dione, 9CI. 3-Ethyl-2-methyl-2-phenylsuccinimide, 8CI. CI 419. PM 1807

[60-45-7]



$C_{13}H_{15}NO_2$ M 217.267

Tranquilliser, anticonvulsant, anaesthetic, antispasmodic and sedative. Cryst. (toluene). Mp 65-66.5°, Mp 100°. Bp_5 190-200°, $Bp_{0.5}$ 160-165°.

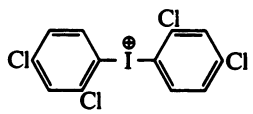
▷WN2804500.

Robin, R., *C.R. Hebd. Seances Acad. Sci.*, 1963, **256**, 3137 (*synth*)
Belg. Pat., 629 329 (*1963*); *CA*, **61**, 9441 (*synth*)
Chen, G. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1964, **152**, 115 (*pharmacol*)
Hauck, F.P. Jr. *et al*, *J. Med. Chem.*, 1967, **10**, 611 (*synth, pmr, pharmacol*)
Hauck, F.P. Jr. *et al*, *J. Org. Chem.*, 1969, **34**, 1703 (*synth, pmr, pharmacol*)

Feniodium(1+) F-00054

Bis(2,4-dichlorophenyl)iodonium(1+), 9CI

[71585-34-7]



$C_{12}H_6Cl_4I^{\oplus}$ M 418.896 (ion)

Anthelmintic.

Chloride: [34563-73-0]. *Feniodium chloride, INN. Chlodophen.*

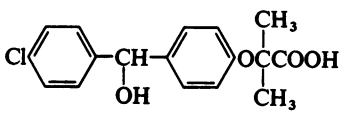
$C_{12}H_6Cl_5I$ M 454.349

▷NN6300000.

Pershin, G.N. *et al*, *CA*, 1971, **75**, 61988 (*pharmacol*)
Nilsson, C.-A. *et al*, *Chemosphere*, 1977, **6**, 599 (*synth*)

Fenirofibrate, INN F-00055

2-[4-[(4-Chlorophenyl)hydroxymethyl]phenoxy]-2-methylpropanoic acid, 9CI. 2-[[α-(p-Chlorophenyl)-α-hydroxy-p-tolyl]oxy]-2-methylpropionic acid. LF 433



$C_{17}H_{17}ClO_4$ M 320.772

(±)-form [54419-31-7]

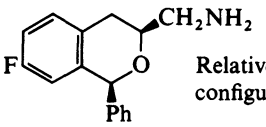
Antilipidaemic agent. Mp 132°.

Ger. Pat., 2 605 382, (*1976*); *CA*, **85**, 192382a (*synth*)
Dulery, B. *et al*, *Nouv. Presse Med.*, 1980, **9**, 3729 (*metab*)

Fenisorex, BAN, USAN, INN **F-00056**

*7-Fluoro-3,4-dihydro-1-phenyl-1*H*-2-benzopyran-3-methanamine, 9CI. R 800*

[34887-52-0]



Relative configuration

$C_{16}H_{16}FNO$ M 257.307

▷DJ2548200.

(1RS,3RS)-form

cis-*form*

Anorexic agent.

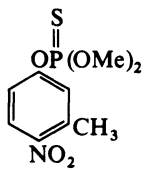
B,HCl: Cryst. (EtOH/Et_2O). Mp 227.5-228°.

U.S.P., 3, 743, 659, (*1973*); *CA*, **79**, 78614d (*synth*)
U.S.P., 3 851 062, (*1974*); *CA*, **82**, 133170v (*pharmacol*)

Fenitrothion, BAN, BSI **F-00057**

O,O-*Dimethyl* O-(*3-methyl-4-nitrophenyl*) *phosphorothioate, 9CI.* O,O-*Dimethyl* O-*4-nitro*-m-*tolyl phosphorothioate, 8CI.* O,O-*Dimethyl* O-(*3-methyl-4-nitrophenyl*) *thiophosphate. Accothion. Cyfen. Folithion. Metathion. Methylnitrophos. Phenitrothion. Sumithion*

[122-14-5]



$C_9H_{12}NO_5PS$ M 277.231

Contact insecticide. Cholinesterase inhibitor. Yellow oil. Insol. H_2O, spar. sol. ligroin. d_4^{25} 1.323. $Bp_{0.1}$ 140-145°, $Bp_{0.05}$ 118°. n_D^{25} 1.5528. Stable to acidic but not basic hydrol. *S*-Me isomer is formed at high temp. Component of Nuvantop and Zeprox.

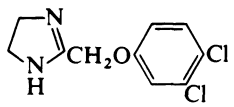
▷TG0350000.

Schrader, G., *Angew. Chem.*, 1961, **73**, 331 (*synth, props*)
Nishizawa, Y. *et al*, *Residue Rev.*, 1970, **60** (*bibl, rev*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Volpé, G. *et al*, *Chromatographia*, 1981, **14**, 333 (*hplc*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
Wang, Y., *CA*, 1986, **104**, 129985 (*synth*)
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A199.
Pesticide Manual, 8th Ed., 6120.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564, 18142.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 683.

Fenmetozole, INN **F-00058**

*2-[(3,4-Dichlorophenoxy)methyl]-4,5-dihydro-1*H*-imidazole, 9CI. 2-[(3,4-Dichlorophenoxy)methyl]-2-imidazoline, 8CI*

[41473-09-0]



$C_{10}H_{10}Cl_2N_2O$ M 245.108

Antidepressant, narcotic antagonist.

B,HCl: [23712-05-2]. *Fenmetozole hydrochloride, USAN. DH 524.* Mp 244-245°.

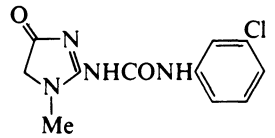
▷NJ2625000.

U.S.P., 3 449 355, (*1969*); *CA*, **71**, 81365p (*synth, pharmacol*)
Reitz, R. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1973, **144**, 391 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12739.

Fenobam, USAN, INN **F-00059**

N-(*3-Chlorophenyl*)-N′-(*4,5-dihydro-1-methyl-4-oxo-1*H*-imidazol-2-yl*)*urea, 9CI. McN 3377*

[57653-26-6]



$C_{11}H_{11}ClN_4O_2$ M 266.687

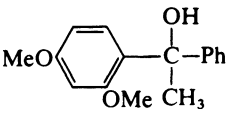
Tranquilliser, muscle relaxant. Cryst. (Me_2CO/Et_2O). Mp 180-180.5°.

U.S.P., 3 983 135, (*1976*); *CA*, **86**, 55441 (*synth, pharmacol*)
Pellizer, G. *et al*, *J. Pharm. Sci.*, 1983, **72**, 189 (*pmr, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12740.

Fenocinol, INN **F-00060**

2,4-Dimethoxy-α-methyl-α-phenylbenzenemethanol, 9CI. 2,4-Dimethoxy-α-methylbenzhydrol, 8CI. Phenyl(2,4-dimethoxyphenyl)methylcarbinol. Pancreabil

[3671-05-4]



$C_{16}H_{18}O_3$ M 258.316

(±)-form

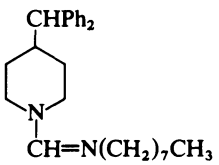
Spasmolytic, choleretic agent. Cryst. Mp 85-86°.

Cahen, R. *et al*, *C.R. Soc. Biol.*, 1965, **159**, 1350; *CA*, **64**, 10248d (*pharmacol*)

Fenoctimine, INN **F-00061**

*4-(Diphenylmethyl)-1-(octylimino)methylpiperidine, 9CI. 4-(Diphenylmethyl)-1-(*N*-octylformimidoyl)-piperidine*

[69365-65-7]



$C_{27}H_{38}N_2$ M 390.611

Gastric antisecretory drug.

B,H_2SO_4: [69365-67-9]. *Fenoctimine sulfate, USAN. McN 4097-12-98.* Hemihydrate.

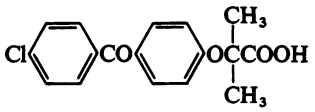
Fumarate: [72964-29-5]. Cryst. (EtOH aq.). Mp 157-159°.

Ger. Pat., 2 912 026, (*1979*); *CA*, **92**, 110861p (*synth, pharmacol*)

Fenofibric acid F-00062

2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid, 9CI. Hoechst 41004

[26129-32-8]



$C_{17}H_{15}ClO_4$ M 318.756

▷UE9518000.

Isopropyl ester: [49562-28-9]. ***Fenofibrate, BAN, INN.*** *Procetofen. Ankebin. Lipoclar. Sedufen. Numerous proprietary names.*
$C_{20}H_{21}ClO_4$ M 360.837
Antihyperlipidaemic agent. Mp 80-81°. Used in conjunction with Cinnarizine, component of Fenobrate.

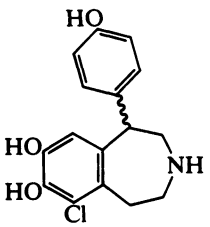
▷LD_{50} 1.6 g/Kg (mice). UA2453400.

Brodie, R.R. *et al, Arzneim.-Forsch.*, 1976, **26**, 896 (*synth, pharmacol*)
Sornay, R. *et al, Arzneim.-Forsch.*, 1976, **26**, 885 (*tox*)
Francois-Dainville, E. *et al, J. Pharm. Clin.*, 1982, **1**, 215 (*hplc*)
Gu, C. *et al, CA*, 1983, **99**, 157938 (*synth*)
Brown, W.V., Ed., *Am. J. Med.*, 1987, **83**, Part 5B (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1348 (*isopropyl ester*)

Fenoldopam, BAN, INN F-00063

6-Chloro-2,3,4,5-tetrahydro-1-(4-hydroxyphenyl)-1H-3-benzazepine-7,8-diol, 9CI. SKF 82526

[67227-56-9]



$C_{16}H_{16}ClNO_3$ M 305.760

(±)-form

Antihypertensive agent (dopamine agonist).

B,HBr: [67287-54-1]. Mp 277° dec.

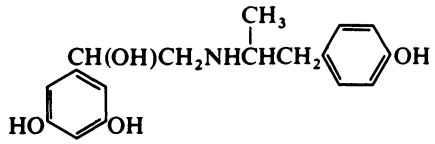
B,$MeSO_3H$: Fenoldopam mesylate, USAN. Cryst. (MeOH/EtOAc). Mp 272° dec.

Weinstock, J. *et al, J. Med. Chem.*, 1980, **23**, 973 (*synth, pharmacol*)
Kaiser, C. *et al, Acta Pharm. Suec.*, 1983, Suppl. 2, 132 (*resoln, abs config, pharmacol*)
Boppana, V.K. *et al, J. Chromatogr.*, 1984, **317**, 463 (*hplc*)
Weinstock, J. *et al, J. Med. Chem.*, 1986, **29**, 2315 (*synth, pharmacol*)
Lokhandwala, M.F., *Drug Dev. Res.*, 1987, **10**, 123 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16803.

Fenoterol, BAN, USAN F-00064

5-[1-Hydroxy-2-[[2-(4-hydroxyphenyl)-1-methylethyl]amino]ethyl]-1,3-benzenediol, 9CI. 3,5-Dihydroxy-α-[[(p-hydroxy-α-methylphenethyl)amino]-methyl]benzyl alcohol, 8CI. Airum. Dosberotec. Partusisten. Respilac. Segamol

[13392-18-2]



$C_{17}H_{21}NO_4$ M 303.357

Bronchodilator.

▷DO1490000.

B,HCl: [1944-10-1]. Mp 183°.

B,HBr: [1944-12-3]. *Berotec. Th 1165a.* Cryst. ($MeOH/Et_2O$). Mp 222-223°.

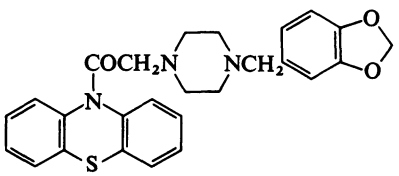
▷DO1500000.

U.S.P., 3 135 797, (*1964*); *CA*, **61**, 3022 (*synth*)
Beale, J.P., *Cryst. Struct. Commun.*, 1972, **1**, 67, 223 (*cryst struct*)
Beale, J.P. *et al, J. Pharm. Pharmacol.*, 1972, **24**, 277 (*cryst struct*)
Ger. Pat., 2 413 102, (*1975*); *CA*, **84**, 30653s (*synth*)
Heel, R.C. *et al, Drugs*, 1978, **15**, 3 (*rev*)
Kojima, S. *et al, Arzneim.-Forsch.*, 1980, **30**, 959 (*metab*)
Kelly, H.W., *Clin. Pharm.*, 1985, **4**, 393 (*rev*)
Svedmyr, N., *Pharmacotherapy (Carlisle, Mass.)*, 1985, **5**, 109 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2063.

Fenoverine, INN F-00065

10-[[4-(1,3-Benzodioxol-5-ylmethyl)-1-piperazinyl]-acetyl]-10H-phenothiazine, 9CI. 10-[(4-Piperonyl-1-piperazinyl)acetyl]phenothiazine. Procalma. Spasmopriv

[37561-27-6]



$C_{26}H_{25}N_3O_3S$ M 459.562

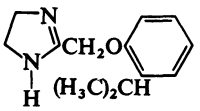
Spasmolytic agent. Cryst. (isopropyl ether). Mp 141-142°.

Fr. Pat., 2 092 639, (*1972*); *CA*, **77**, 140143 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12019.

Fenoxazoline, INN F-00066

2-(2-Isopropylphenoxymethyl)-2-imidazoline, 8CI. Phenoxazoline

[4846-91-7]



$C_{13}H_{18}N_2O$ M 218.298

Vasoconstrictor, sympathomimetic agent, local anaesthetic.

B,HCl: [23029-57-4]. *Aturgyl. Shup.* Mp 174°.

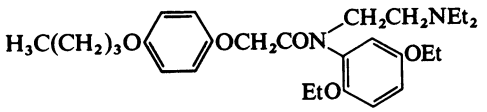
Djerassi, C. *et al, J. Am. Chem. Soc.*, 1947, **69**, 1688 (*synth*)

Fr. Pat., 1 312 410, (*1962*); *CA*, **59**, 2828c (*synth*)
U.S.P., 3 198 703, (*1965*); *CA*, **63**, 12981a (*pharmacol*)
Greggia, A. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1969, **45**, 417 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2064.

Fenoxedil, INN **F-00067**

2-(4-Butoxyphenoxy)-N-(2,5-diethoxyphenyl)-N-[2-(diethylamino)ethyl]acetamide, *9CI*

[54063-40-0]



$C_{28}H_{42}N_2O_5$ M 486.650

Cerebral and peripheral vasodilator; local anaesthetic.

B,HCl: [27471-60-9]. *Suplexedil. ANP 3548.* Mp 140°.

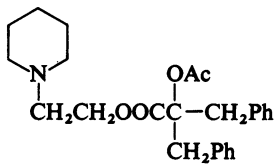
▷AB4785000.

Thuillier, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 286 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16804.

Fenperate, INN **F-00068**

2-(1-Piperidinyl)ethyl α-(acetoxy)-α-(phenylmethyl)-benzenepropionate, *8CI. 2-Piperidinoethyl α-benzyl-α-hydroxyhydrocinnamate acetate. Gö 1254A. W 41294A*

[55837-26-8]



$C_{25}H_{31}NO_4$ M 409.524

Antihypertensive agent.

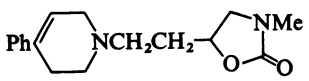
B,HCl: [56953-01-6]. Cryst. (EtOAc). Mp 174°.

Ger. Pat., 2 362 708, (*1975*); *CA*, **83**, 163838g (*synth, pharmacol*)

Fenpipalone, USAN, INN **F-00069**

5-[2-(3,6-Dihydro-4-phenyl-1(2H)-pyridyl)ethyl]-3-methyl-2-oxazolidinone, *9CI*, *8CI. AHR-1680*

[21820-82-6]



$C_{17}H_{22}N_2O_2$ M 286.373

▷RQ2625000.

(±)-*form*

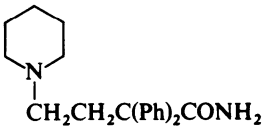
Antiinflammatory agent. Mp 102-104°.

Welstead, W.J. *et al*, *J. Med. Chem.*, 1973, **16**, 1129 (*synth, pharmacol*)

Fenpipramide, BAN, INN **F-00070**

α,α-Diphenyl-1-piperidinebutanamide, *9CI. 2,2-Diphenyl-4-piperidinobutyramide. Hoe 9980. R 14. U 0229*

[77-01-0]



$C_{21}H_{26}N_2O$ M 322.449

Antispasmodic. Leaflets (EtOH). Mp 188°. Constit. of Efosin.

▷TM5073300.

B,HCl: [14007-53-5]. Deliquescent solid. Mp 220°.

B,MeBr: [125-60-0]. *1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidium bromide*, *9CI*. ***Fenpiverinium bromide, INN**. Fenpipramide methylbromide. Resantin. Hoe 12494.*

$C_{22}H_{29}BrN_2O$ M 417.388

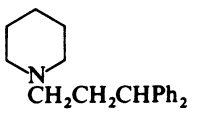
Dimorphic cryst. (2-propanol/EtOAc). Mp 177.5-178.5°, Mp 216-216.5°.

Walton, E. *et al*, *J. Chem. Soc.*, 1949, 648 (*synth, pharmacol*)
Janssen, P.A.J. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4423 (*synth, uv*)
Moffett, R.B. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4451 (*synth*)
Janssen, P.A.J. *et al*, *J. Med. Chem.*, 1959, **1**, 187 (*pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12743.

Fenpiprane, BAN, INN **F-00071**

1-(3,3-Diphenylpropyl)piperidine, *8CI. 1,1-Diphenyl-3-piperidinopropane*

[3540-95-2]



$C_{20}H_{25}N$ M 279.424

Spasmolytic and antiallergic drug. Cryst. Mp 41-42.5°. Bp_8 210-220°, Bp_1 183-184°.

B,HCl: [3329-14-4]. *Hoe 10116.* Cryst. Mp 216-217°. Constit. of Aspason and Efosin.

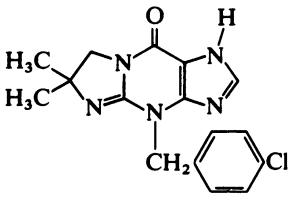
▷TM7861000.

Bockmühl, M. *et al*, *Justus Liebigs Ann. Chem.*, 1948, **561**, 52 (*synth*)
Ruddy, A.W. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 718 (*synth*)
White, A.C. *et al*, *Br. J. Pharmacol.*, 1951, **6**, 560 (*pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1966, **34**, 312 (*synth*)
Maisey, R.F. *et al*, *J. Med. Chem.*, 1971, **14**, 161 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12743.

Fenprinast, INN **F-00072**

4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-6,6-dimethyl-9H-imidazo[1,2-a]purin-9-one, 9CI

[75184-94-0]



$C_{16}H_{16}ClN_5O$ M 329.788

Bronchodilator, antiallergic agent. Mp 222-223°.

B,HCl (hydrate): [77482-47-4]. *Fenprinast hydrochloride,* USAN. *MJ 13401-1-3.*

Temple, D.L. *et al, J. Med. Chem.*, 1980, **23**, 1188 (*synth, tox, pharmacol*)

Fenproporex, INN **F-00073**

3-[(α-Methylphenethyl)amino]propionitrile, 8CI. *N-(2-Cyanoethyl)amphetamine*

$PhCH_2CH(CH_3)NHCH_2CH_2CN$

$C_{12}H_{16}N_2$ M 188.272

(±)-***form*** [15686-61-0]

Anorectic, sympathomimetic agent. Bp_{12} 126-127°.

▷UG4170000.

B,HCl: [18305-29-8]. *Degadil. Fenorex. Numerous proprietary names.* Mp 146°.

▷UG4175000.

Fr. Pat., M4364, (*1966*); *CA*, **67**, 108259p (*synth, pharmacol*)

Cession-Fossion, A., *Arch. Int. Pharmacodyn. Ther.*, 1970, **187**, 192 (*pharmacol*)

Beckett, A.H. *et al, J. Pharm. Pharmacol.*, 1972, **24**, 194 (*pharmacol*)

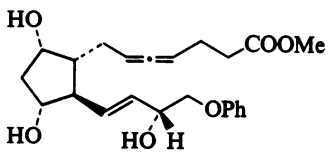
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2415.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1479.

Fenprostalene, BAN, USAN, INN **F-00074**

Methyl 16-phenoxy-9,11,15-trihydroxy-ω-tetranor-prosta-4,5,13-trienoate, 9CI. *Methyl 3,5-dihydroxy-2-[(3-hydroxy-4-phenoxy-1-butenyl)cyclopentyl]4,5-heptadienoate. Bovilene. Synchrocept* B. *RS 84043*

[69381-94-8]



$C_{23}H_{30}O_6$ M 402.486

Veterinary luteolytic and abortifacient.

U.S.P., 3 985 791, (*1976*); *CA*, **86**, 43281k (*synth*)

Vickery, B.H. *et al, Prostaglandins Med.*, 1980, **5**, 93 (*pharmacol*)

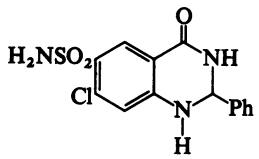
Adaikan, P.G. *et al, Drugs Future*, 1984, **9**, 817 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8086.

Fenquizone, USAN **F-00075**

7-Chloro-1,2,3,4-tetrahydro-4-oxo-2-phenyl-6-quinazolinesulfonamide, 8CI. *Phenquizone*

[20287-37-0]



$C_{14}H_{12}ClN_3O_3S$ M 337.780

(±)-***form***

Diuretic. Mp >310°.

K salt: [52246-40-9]. *Idrolone. M.G. 13054.*

Biressi, M.G. *et al, Farmaco, Ed. Sci.*, 1969, **24**, 199 (*synth, pharmacol*)

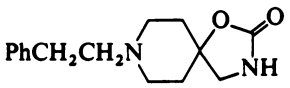
Panelli, M., *Boll. Chim. Farm.*, 1974, **113**, 175 (*chromatog*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12745.

Fenspiride, INN **F-00076**

8-(2-Phenylethyl)-1-oxa-3,8-diazaspiro[4.5]decan-2-one, 9CI. *Numerous proprietary names*

[5053-06-5]



$C_{15}H_{20}N_2O_2$ M 260.335

Bronchodilator, antiadrenergic drug. Mp 156°.

▷RO0373000.

B,HCl: [5053-08-7]. *Fenspiride hydrochloride,* USAN. *Decaspiride. Espiran. Respiride.* Mp 232-233° dec.

▷RO0375000.

LeDouarec, J.C. *et al, Arzneim.-Forsch.*, 1969, **19**, 1263 (*pharmacol*)

Ranier, G. *et al, Chim. Ther.*, 1969, **4**, 185 (*synth, pharmacol*)

Beiler, J.M. *et al, Arch. Int. Pharmacodyn. Ther.*, 1971, **193**, 111; 1973, **201**, 90 (*pharmacol, metab*)

Hajdukovic, G. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1971, **272**, 330 (*pmr, conformn*)

Duhault, J. *et al, Arzneim.-Forsch.*, 1972, **22**, 1947 (*pharmacol*)

Sardi, B. *et al, Boll. Chim. Farm.*, 1978, **117**, 343 (*tox*)

Evrard, Y. *et al, Sem. Hop.*, 1986, **62**, 1375 (*rev, pharmacol*)

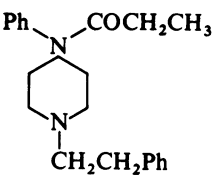
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3638 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12746.

Fentanyl, BAN **F-00077**

N-Phenyl-N-[1-(2-phenylethyl)-4-piperidinyl)-propanamide, 9CI. *N-(1-Phenethyl-4-piperidyl)-propionanilide,* 8CI. *Phentanyl. Sublimaze. Other proprietary names*

[437-38-7]



$C_{22}H_{28}N_2O$ M 336.476

Narcotic analgesic. Cryst. Mp 83-84°. Component of Thalamonal.

▷UE5550000.

Citrate (1:1): [990-73-8]. *Fentanyl citrate, USAN. Hypnorm.* Cryst. Slightly sol. H_2O. Mp 149-151°. Component of Innovar.

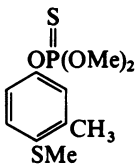
▷UE5600000.

Gardocki, J.F. *et al, Toxicol. Appl. Pharmacol.*, 1964, **6**, 48 (*pharmacol*)
U.S.P., 3 141 823, (*1964*); *CA*, **61**, 10689 (*synth*)
Jonczyk, A. *et al, Przem. Chem.*, 1978, **57**, 131 (*synth*)
Peeters, O.M. *et al, J. Cryst. Mol. Struct.*, 1980, **27**, 147 (*cryst struct*)
Zee, S.-H. *et al, J. Chin. Chem. Soc.* (*Taipei*), 1980, **27**, 147; *CA*, **94**, 174821 (*synth*)
Andrews, C.J.H. *et al, Clin. Anaesthesiol.*, 1983, **1**, 97 (*rev, pharmacol*)
Casy, A.F. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1983, **18**, 56 (*cmr*)
Mather, L.E., *Clin. Pharmacokinet.*, 1983, **8**, 422 (*rev*)
Goromaru, T. *et al, Chem. Pharm. Bull.*, 1985, **33**, 3922 (*metab*)
Tollenaere, J.P. *et al, Prog. Drug Res.*, 1986, **30**, 91 (*rev, conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6613 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6228.

Fenthion, BSI, BAN F-00078

O,O-*Dimethyl* O-[(*3-methyl-4-methylthio*)*phenyl*] *phosphorothioate, 9CI.* O,O-*Dimethyl*-O-(*4-methylthio*-m-*tolyl*) *phosphorothioate, 8CI. 4-Methylmercapto-3-methylphenyl dimethyl thiophosphate. Mercaptophos. Baytex. Lebaycid. Queletox. Spotton. Talodex. Bayer 29493. ENT 25540. S 1752*

[55-38-9]



$C_{10}H_{15}O_3PS_2$ M 278.320

Insecticide with low mammalian toxicity. Used against mosquito larvae in tropical fresh waters. Cholinesterase inhibitor. Liq. with slight garlic odour. V. spar. sol. H_2O. d_4^{20} 1.25. $Bp_{0.01}$ 87°. n_D^{20} 1.5698. Thermally stable to 210°, alkali-resistant to pH 9. Metab. *via* sulfoxide and sulfone. Component of Tiguvon.

▷Highly toxic, TLV 0.1. TF9625000.

S-*Oxide:* O,O-*Dimethyl* O-[(*3-methyl-4-methylsulfinyl*)*phenyl*] *phosphorothioate. Fenthion sulfoxide.*

$C_{10}H_{15}O_4PS_2$ M 294.320

Metab. of Fenthion.

S,S-*Dioxide:* O,O-*Dimethyl* O-[(*3-methyl-4-methylsulfonyl*)*phenyl*]*phosphorothioate. Fenthion sulfone.*

$C_{10}H_{15}O_5PS_2$ M 310.319

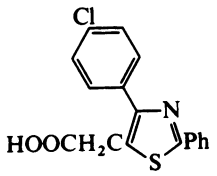
Metab. of Fenthion.

Ger. Pat., 1 116 656, (*1961*); *CA*, **56**, 14170 (*synth, props*)
Ibrahim, F.B. *et al, J. Agric. Food Chem.*, 1966, **14**, 369 (*uv*)
Keith, L.H. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Getz, M.E. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1101 (*tlc*)
Ross, R.T. *et al, Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)
Stan, H.-J. *et al, Fresenius' Z. Anal. Chem.*, 1977, **287**, 271; *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*glc, ms*)
Rainsford, K.D., *Pestic. Biochem. Physiol.*, 1978, **8**, 302 (*tox, metab*)
Ripley, B.D., *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*derivs, glc*)
Stan, H.-J. *et al, J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Pesticide Manual, 6th Ed., 265; 7th Ed., 269.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A203.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 609.

Fentiazac, BAN, INN, JAN F-00079

4-(4-Chlorophenyl)-2-phenyl-5-thiazoleacetic acid, 9CI, 8CI. Donorest. Flogene. Norvedan. Other proprietary names

[18046-21-4]



$C_{17}H_{12}ClNO_2S$ M 329.800

Antipyretic, antiinflammatory drug. Needles (C_6H_6). Mp 161-162°.

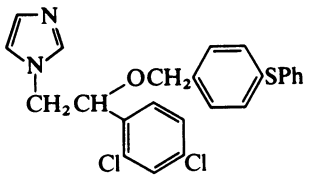
▷XJ1890000.

Brown, K. *et al, J. Med. Chem.*, 1974, **17**, 1177 (*synth, pharmacol*)
Destro, R., *Acta Crystallogr., Sect. B*, 1978, **34**, 959 (*cryst struct*)
Anon., *Drugs of Today*, 1979, **15**, 323 (*rev*)
Marmo, E., *Curr. Med. Res. Opin.*, 1979, **6**, 53 (*rev, pharmacol, tox*)
Fumero, S. *et al, Arzneim.-Forsch.*, 1980, **30**, 1253 (*metab*)
Franklin, R.A. *et al, Xenobiotica*, 1984, **14**, 955 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4231 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12747.

Fenticonazole, INN F-00080

1-[2-(2,4-Dichlorophenyl)-2-[[4-(phenylthio)phenyl]-methoxy]ethyl-1H-imidazole, 9CI

[72479-26-6]



$C_{24}H_{20}Cl_2N_2OS$ M 455.401

▷NI4780000.

(±)-*form*

Antifungal agent. Yellow oil.

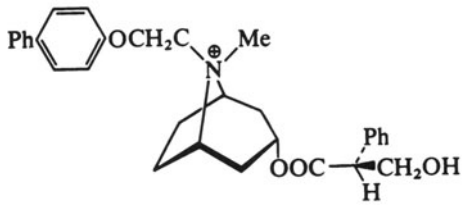
B,HNO3: [73151-29-8]. *Fenticonazole nitrate, USAN. Rec 15/1476.* Cryst. (EtOH). Mp 134°.

B,HCl: [73151-24-3]. Cryst. (2-propanol). Mp 181-183°.

Ger. Pat., 2 917 244, (*1979*); *CA*, **92**, 163967j (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16806.

Fentonium(1+) **F-00081**

8-[2-(1,1'-Biphenyl)-4-yl-2-oxoethyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, 9CI. 3α-Hydroxy-8-(p-phenylphenacyl)-1αH,5αH-tropanium, 8CI. Phentonium



$C_{31}H_{34}NO_4^{\oplus}$ M 484.614 (ion)

Anticholinergic, antispasmodic, antiulcerogenic agent.

Bromide: [5868-06-4]. *Fentonium bromide, INN. Dicasten. Feneketilium. Icifen. Ketoscilium. Ulgesium. Fa 402. Z 326.*

$C_{31}H_{34}BrNO_4$ M 564.518

Cryst. Mp 203-205° dec. (194°). $[\alpha]_D^{23}$ −5.68° (c, 5 in DMF).

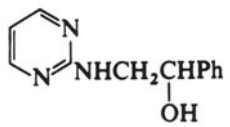
▷YM3770000.

B.P., 1 026 640, (*1966*); *CA*, **64**, 19708 (*synth, pharmacol*)
Teotino, U.M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1968, **3**, 453 (*synth, pharmacol*)
Azzollini, F. *et al*, *Curr. Ther. Res.*, 1970, **12**, 734 (*pharmacol*)
Ricciardi, S. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1226.
Marini, U. *et al*, *Curr. Ther. Res.*, 1980, **27**, 239 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 370.

Fenyripol, INN **F-00082**

α-[(2-Pyrimidinylamino)methyl]benzenemethanol, 9CI. α-[(2-Pyrimidinylamino)methyl]benzyl alcohol, 8CI

[3607-24-7]



$C_{12}H_{13}N_3O$ M 215.254

Skeletal muscle relaxant. Cryst. (2-propanol). Mp 92-93°.

B,HCl: [2441-88-5]. *Fenyripol hydrochloride, USAN. IN 836. NSC 43183.* Cryst. (EtOH). Mp 167-168°.

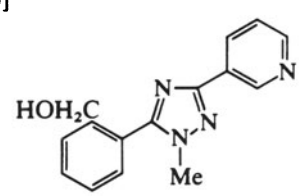
▷DP1230000.

Heitmeier, D.E. *et al*, *J. Org. Chem.*, 1961, **26**, 4419 (*synth, pharmacol*)
O'Dell, T.B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1963, **141**, 83 (*pharmacol*)

Fepitrizol, INN **F-00083**

2-[1-Methyl-3-(3-pyridinyl)-1H-1,2,4-triazol-5-yl]-benzenemethanol, 9CI. o-[1-Methyl-3-(3-pyridyl)-1H-1,2,4-triazol-5-yl]benzyl alcohol. 5-(2-Hydroxymethylphenyl)-1-methyl-3-(3-pyridyl)-1,2,4-triazole

[53415-46-6]



$C_{15}H_{14}N_4O$ M 266.302

Hypnotic, CNS depressant. Cryst. (isopropyl ether). Mp 91-92°.

Ger. Pat., 2 358 011, (*1974*); *CA*, **81**, 105518a (*synth, pharmacol, tox*)

Fepradinol, INN **F-00084**

α-[[(2-Hydroxy-1,1-dimethylethyl)amino]methyl]-benzenemethanol, 9CI. 1-Phenyl-2-(α,α-dimethylethanolamine)ethanol

$PhCH(OH)CH_2NHC(CH_3)_2CH_2OH$

$C_{12}H_{19}NO_2$ M 209.288

(±)-form [63075-47-8]

Antiinflammatory agent. Cryst. (H_2O). Mp 142-143°.

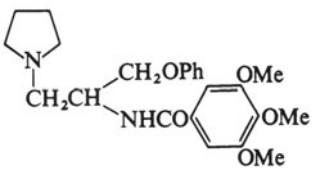
Picrate: Mp 165-168°.

Ger. Pat., 2 152 686, (*1972*); *CA*, **77**, 48479 (*synth*)
Spanish Pat., 508 287, (*1982*); *CA*, **99**, 22090 (*synth, pharmacol*)

Fepromide, INN **F-00085**

3,4,5-Trimethoxy-N-[1-(phenoxymethyl)-2-(1-pyrrolidinyl)ethyl benzamide, 8CI. CERM 1875

[54063-41-1]



$C_{23}H_{30}N_2O_5$ M 414.500

(±)-form

Antiarrhythmic agent.

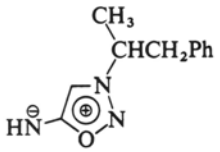
B,HCl: [27528-63-8]. Mp 170°.

Ger. Pat., 1 936 476, (*1970*); *CA*, **72**, 132758 (*synth, pharmacol*)

Feprosidnine, INN **F-00086**

3-(α-Methylphenethyl)sydnone imine, 8CI

[22293-47-6]



$C_{11}H_{13}N_3O$ M 203.243

(±)-form

Psychostimulant, monoamine oxidase inhibitor.

B,HCl: [3441-64-3]. *Sidnofen. Sydnophen.* Cryst. (2-propanol/Me_2CO). Mp 153-154°.

▷WU7682000.

Yashunskii, V.G. *et al*, *Farmakol. Toksikol.*, 1970, **33**, 297 (*pharmacol*)
B.P., 1 242 743, (*1971*); *CA*, **75**, 118321g (*synth, pharmacol*)

Ferric chloride **F-00087**

Iron chloride

[7705-08-0]

$FeCl_3$

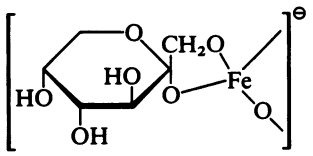
Cl_3Fe M 162.206

Exists as a dimer in vap. phase. Occurs as mineral molysite. Haematinic, astringent. Hygroscopic brownish-black cryst. Sol. H_2O. Mp ca. 300° (subl.). Bp 316°. $^{59}FeCl_3$ is used as a radioactive agent.

▷LJ9100000.

Inorg. Synth., 1950, **3**, 191 (*synth*)
Bardawil, A.B. *et al*, *Inorg. Chem.*, 1964, **3**, 149 (*synth*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 1641 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5036.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 1716.

Ferric fructose, INN, USAN F-00088

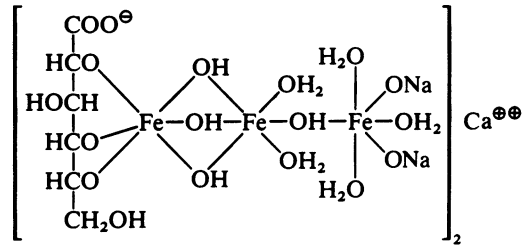


$(C_6H_{10}FeO_7)_n$
Haematinic.
K salt: [12286-76-9]. *Ferritose. CB 302.*

Stitt, C. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1962, **110**, 70 (*synth*)
Charley, P.J. *et al*, *Biochim. Biophys. Acta*, 1963, **69**, 313 (*formn, props*)
Princiotto, J.V. *et al*, *Biochem. Med.*, 1970, **3**, 289.

Ferriclate calcium sodium F-00089

Calcium sodium ferriclate, INN. Pentaaqua[D-gluconato(4−)-O²,O⁴,O⁵]tetra-μ-hydroxydihydroxytriferrate(3−) calcium sodium (2:1:4). Kelfer. Kalfer
[34150-62-4]

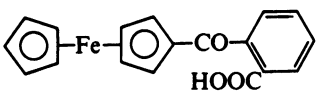


$C_{12}H_{44}CaFe_6Na_4O_{36}$ M 1231.579
Haematinic.

Cardoso, H.T. *et al*, *CA*, 1971, **74**, 67679z (*synth, use*)

2-Ferrocenoylbenzoic acid F-00090

(2-Carboxybenzoyl)ferrocene, 9CI. o-Ferrocenylcarbonylbenzoic acid. Ferroceron. Ferrotseron
[1298-66-4]

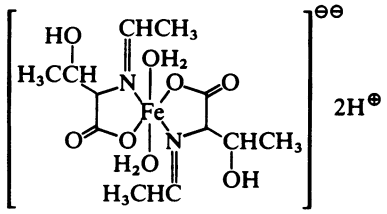


$C_{18}H_{14}FeO_3$ M 334.154
Antianaemic agent. Orange cryst. Mp 198°.

Dabard, R. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1962, **254**, 2014 (*synth*)
Nesmeyanov, A.N. *et al*, *Dokl. Akad. Nauk SSSR*, 1965, **165**, 835; *CA*, **64**, 82346.
Nesmeyanov, A.N. *et al*, *Khim.-Farm. Zh.*, 1972, **6**, 61 (*rev, use*)

Ferrotrenine, INN F-00091

Diaquabis(N-ethylidenethreoninato)iron, 8CI. Dihydrogen bis(N-ethylidenethreoninato)diaquoferrate(II). Ferrothreon
[15339-50-1]

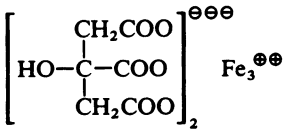


$C_{12}H_{26}FeN_2O_8$ M 382.193
Haematinic.

Nakajima, A., *CA*, 1964, **61**, 16685a (*metab*)

Ferrous citrate F-00092

Iron(2+) citrate
[23383-11-1]

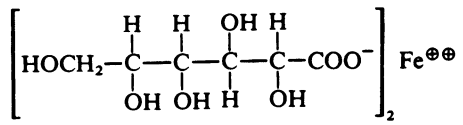


$C_{12}H_{10}Fe_3O_{14}$ M 545.744
Haematinic. ^{59}Fe cpd. Ferrutope used as radioactive agent.

B.P., 906 418, (*1962*); *CA*, **58**, 2187h (*synth*)
Wiltink, W.F. *et al*, *Clin. Chim. Acta*, 1966, **14**, 320 (*pharmacol*)
Fedorko, M.E. *et al*, *Exp. Cell Res.*, 1975, **95**, 385 (*pharmacol*)
Anghileri, L.J. *et al*, *Eur. J. Nucl. Med.*, 1985, **10**, 288.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5866.

Ferrous gluconate F-00093

D-Gluconic acid, iron (2+) salt (2:1). Fergon. Ironate. Acroferon. Enteron. Ferrose. Glucoferron. Haemex-G. Neoferron. Other synonyms
[299-29-6]



$C_{12}H_{22}FeO_{14}$ M 446.144
Haematinic.
▷LZ5150000.

Schmitz, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 509 (*pharmacol*)
B.P., 1 269 023, (*1972*); *CA*, **77**, 34855n (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5058.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 545.

Ferrous sulfate F-00094

Iron(2+) sulfate. Feosol
[7720-78-7]

$FeSO_4$

FeO_4S M 151.905
Haematinic, astringent. Component of Formalox, Cytoferin and Mediatric. $^{59}FeSO_4$ used as radioactive agent.
▷NO8500000.

Heptahydrate: [7782-63-0]. *Melanterite.* Blue-green cryst. Mp 64°. Loses $7H_2O$ at 300°.

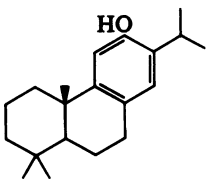
▷NO8510000.

Fraenckel, F., *Z. Anorg. Chem.*, 1907, **55**, 223.
Baur, W.H., *Acta Cryst.*, 1964, **17**, 1167 (*cryst struct, heptahydrate*)
Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 418 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5063.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 1721, 2015.

Ferruginol F-00095

8,11,13-Abietatrien-12-ol

[514-62-5]



$C_{20}H_{30}O$ M 286.456

Constit. of resin of the Miro tree, *Podocarpus ferrugineus*. Oil. $Bp_{0.3}$ 175°. $[\alpha]_D^{16}$ +40.6° (EtOH). This name has also been applied to an anthraquinone from *Digitalis ferruginea.*

Ac: Cryst. (pet. ether). Mp 81-82°. $[\alpha]_D^{16}$ +60.3° (EtOH).

2-Oxo: [54825-04-6]. ***2-Oxoferruginol.***
$C_{20}H_{28}O_2$ M 300.440
From *P. ferrugineus*. Cryst. (heptane). Mp 232-234°. $[\alpha]_D$ +50° (c, 0.1 in MeOH).

16-Hydroxy: ***16-Hydroxyferruginol.*** *8,11,13-Abietatriene-12,16-diol.*
$C_{20}H_{30}O_2$ M 302.456
Constit. of *Thujopsis dolabrata*. Cryst. (Et_2O/pentane). $[\alpha]_D^{29}$ +36.6° (c, 0.87 in $CHCl_3$).

1,3-Dioxo, Me ether: [18326-18-6]. ***1,3-Dioxoferruginyl methyl ether.***
$C_{21}H_{28}O_3$ M 328.450
From *Cupressus sempevirens*. Cryst. (MeOH). Mp 176-177°. $[\alpha]_D$ +220° (c, 0.97 in $CHCl_3$).

Mangoni, L. *et al*, *Tetrahedron Lett.*, 1967, 2643 (*1,3-Dioxoferruginyl methyl ether*)
Wenkert, E. *et al*, *Phytochemistry*, 1974, **13**, 2545.
Nishida, T. *et al*, *Org. Magn. Reson.*, 1977, **9**, 203 (*cmr*)
Torii, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **40**, 2503 (*synth*)
Snitman, D.L. *et al*, *J. Org. Chem.*, 1978, **43**, 4758 (*synth*)
Matsumoto, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 212 (*synth*)
Hasegawa, S. *et al*, *Phytochemistry*, 1982, **21**, 643 (*isol*)
Matsumoto, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, **58**, 340 (*synth*)

Fertirelin, INN F-00096

9-(N-Ethyl-L-prolinamide)-10-deglycinamideluteinizing hormone-releasing factor (pig), 9CI. TAP 031

[38234-21-8]

5-Oxo-L-Pro-L-His-L-Trp-L-Ser-L-Tyr-Gly-L-Leu-L-Arg-L-ProNH_2

$C_{55}H_{76}N_{16}O_{12}$ M 1153.305

Gonadotrophin-releasing hormone. Luteinising and follicle-stimulating hormone-releasing factor. Mp 159-160°. $[\alpha]_D^{25}$ −25° (c, 1 in AcOH).

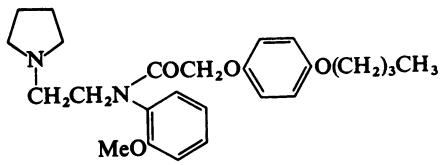
B,AcOH: Cryst. + $5H_2O$. $[\alpha]_D^{25}$ −53.6° (c, 0.5 in 5% AcOH).

Arnold, W. *et al*, *J. Med. Chem.*, 1974, **17**, 314 (*synth, pharmacol, tlc, nmr*)
Shinagawa, S. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 229 (*synth, pharmacol*)
Deslauriers, R. *et al*, *Eur. J. Biochem.*, 1977, **75**, 343 (*cmr, conformn*)
Fujino, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1980, 668 (*synth*)
Yamazaki, I., *Int. Congr. Ser.-Excerpta Med.*, 1984, **656**, 77 (*rev, pharmacol*)

Fexicaine, INN F-00097

2-(4-Butoxyphenoxy)-N-(2-methoxyphenyl)-N-[2-(1-pyrrolidinyl)ethyl]acetamide, 9CI

[54063-46-6]



$C_{25}H_{34}N_2O_4$ M 426.555

Vasodilator, local anaesthetic.

B,HCl: [27585-35-9]. Mp 126-127°.

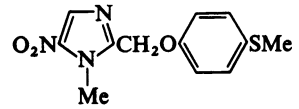
▷AB4542000.

Thuillier, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 286 (*synth, pharmacol*)

Fexinidazole, INN F-00098

1-Methyl-2-[[4-(methylthio)phenoxy]methyl]-5-nitroimidazole, 9CI. Hoechst 239

[59729-37-2]



$C_{12}H_{13}N_3O_3S$ M 279.313

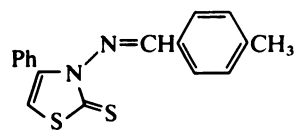
Antiprotozoal agent (trichomonacide). Pale-yellow cryst. (MeOH). Mp 116°.

Ger. Pat., 2 531 303, (*1977*); *CA*, **86**, 140051t (*synth, pharmacol*)
Winkelmann, E. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 739 (*pharmacol*)

Fezatione, INN F-00099

3-[[(4-Methylphenyl)methylene]amino]-4-phenyl-2(3H)-thiazolethione, 9CI. 3-[(p-Methylbenzylidene)-amino]-4-phenyl-4-thiazoline-2-thione, 8CI. Polyodin. TBIC

[15387-18-5]



$C_{17}H_{14}N_2S_2$ M 310.431

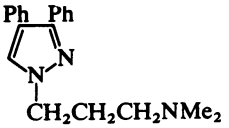
Antifungal agent for treatment of ringworm. Light-yellow needles (EtOH). Mp 120-126° dec.

Japan. Pat., 67 3 382, (*1967*); *CA*, **67**, 64389z (*synth*)
Usui, Y. *et al*, *Yakugaku Zasshi*, 1969, **89**, 689 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2581.

Fezolamine, INN **F-00100**

N,N-*Dimethyl-3,4-diphenyl-1*H-*pyrazole-1-propanamine, 9CI*

[80410-36-2]



$C_{20}H_{23}N_3$ M 305.422

Antidepressant.

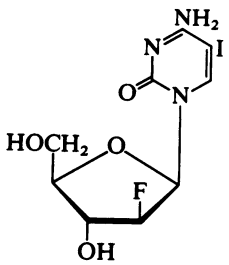
B,HCl: [94483-91-7]. Cryst. (Me_2CO). Mp 171-172°.

Fumarate: [80410-37-3]. *Fezolamine fumarate, USAN. Win 41528-2.*

Bailey, D.M. *et al, J. Med. Chem.*, 1985, **28**, 256 (*synth*)
McCoy, L. *et al, J. Chromatogr.*, 1985, **344**, 211 (*metab*)
Baizman, E.R. *et al, J. Pharmacol. Exp. Ther.*, 1987, **243**, 40 (*pharmacol*)

Fiacitabine, INN **F-00101**

*4-Amino-1-(2-deoxy-2-fluoroarabinofuranosyl)-5-iodo-2(1*H*)-pyrimidinone, 9CI. 2'-Fluoro-5-iodoaracytosine. FIAC*



$C_9H_{11}FIN_3O_4$ M 371.107

β-D-form [69123-90-6]

Antiviral agent.

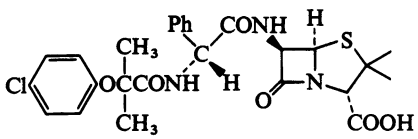
B,HCl: [69124-05-6]. Cryst. (MeOH). Mp 177-181° dec.

Watanabe, K.A. *et al, J. Med. Chem.*, 1979, **22**, 21; 1983, **26**, 152 (*synth, pmr, pharmacol*)
Birnbaum, G.I. *et al, J. Am. Chem. Soc.*, 1982, **104**, 7626 (*cryst struct*)
Chun, M.W., *Arch. Pharmacol. Res.*, 1983, **6**, 79 (*synth*)
Philips, F.S. *et al, Cancer Res.*, 1983, **43**, 3619 (*metab*)
Donner, A.L. *et al, Drug. Intell. Clin. Pharm.*, 1984, **18**, 885 (*rev, pharmacol*)

Fibracillin, INN **F-00102**

α-(p-*Chlorophenoxy*)*isobutyrylampicillin. Alongapen. Fibrapen. AL 70-35*

[51154-48-4]



$C_{26}H_{28}ClN_3O_6S$ M 546.037

Semisynthetic. Antibacterial agent.

Ger. Pat., 2 207 723, (*1972*); *CA*, **77**, 152167 (*synth*)
Ger. Pat., 2 327 558, (*1974*); *CA*, **80**, 120916 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12750.

Fibrinogen **F-00103**

Blood-coagulation factor I. *Parenogen*

[9001-32-5]

Plasma glycoprotein synth. and secreted by hepatic parenchymal cells. Used to control bleeding. Coagulant. Fibrinogen labelled with ^{125}I (Ibrin, Sensor) is used as a radioactive agent.

Regoeczi, E., *Struct. Funct. Plasma Proteins*, 1974, **1**, 133 (*rev*)
Blombaeck, B. *et al, Handb. Exp. Pharmakol.*, 1978, **46**, 49, 81 (*formn, degradn*)
Mosesson, M.W. *et al, J. Mol. Biol.*, 1981, **153**, 695 (*conformn*)
Lorand, L. *Ann. N.Y. Acad. Sci.*, 1983, **408**, 226 (*rev, activity*)
Doolittle, R.F., *Annu. Rev. Biochem.*, 1984, **53**, 195 (*rev*)
Henschen, A. *et al, New Compr. Biochem.*, 1986, **13**, 171 (*struct, function, props, detn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1230.

Fibroblast growth factor **F-00104**

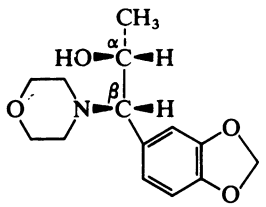
bFGF

Peptide containing 146 amino acid residues. Promotes wound healing, antitumour agent.

Abraham, J.A. *et al, EMBO J.*, 1986, **5**, 2523 (*cloning*)
Gimenez-Gallego, G. *et al, Biochem. Biophys. Res. Commun.*, 1986, **135**, 541 (*isol*)
Thomas, K.A. *et al, Trends Biochem. Sci.*, 1986, **11**, 81 (*rev*)

Filenadol, INN **F-00105**

β-1,3-Benzodioxol-5-yl-α-methyl-4-morpholineethanol, 9CI



(*αRS,βSR*)-*form*

$C_{14}H_{19}NO_4$ M 265.308

(***αRS,βSR*)-form** [78168-92-0]

erythro-(±)-*form*

Analgesic. Solid (Et_2O). Mp 77-78°.

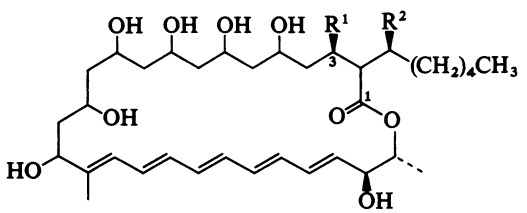
B,HCl: [84209-46-1]. Cryst. (propanol). Mp 237.5-238°.

U.S.P., 4 535 159, (*1982*); *CA*, **98**, 53375 (*synth, props*)

Filipin, USAN, INN **F-00106**

Filmarisin. Durhamycin. NSC 3364. U 5956. Antibiotic U 5956

[11078-21-0]



Filipin I $R^1 = R^2 = H$
Filipin II $R^1 = OH, R^2 = H$
Filipin III $R^1 = R^2 = OH$

Pentaene antibiotic complex. Isol. from *Streptomyces durhamensis* and *S. filipinensis*. Possesses antifungal, antitumour and antiviral props. Formerly used as a plant protecting agent. Contains at least 8 components.

▷LK4400000.

Filipin I [38723-93-2]
$C_{35}H_{58}O_9$ M 622.838

From *S. filipinensis*. Antifungal agent. Yellow cryst. Mp 200-205° dec. $[\alpha]_D^{25}$ −330° (DMF).

Filipin II [38620-77-8]
$C_{35}H_{58}O_{10}$ M 638.837

From *S. filipinensis*. Antifungal agent. Yellow cryst. (propanol). Mp 181-195° dec. $[\alpha]_D^{25}$ −237° (DMF).

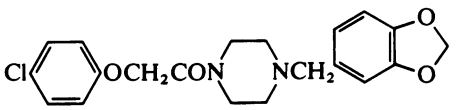
Filipin III [480-49-9]
14-Deoxylagosin
$C_{35}H_{58}O_{11}$ M 654.837
From *S. filipinensis*. Antifungal agent. Yellow cryst. Mp 163-180° dec. $[\alpha]_D^{25}$ −245° (DMF), $[\alpha]_D^{22}$ −148.3° (c, 0.89 in MeOH).

▷RN9800000.

3-Epimer: [38404-99-8]. ***Filipin IV***.
$C_{35}H_{58}O_{11}$ M 654.837
From *S. filipinensis*. Antifungal agent. Yellow cryst. Mp 204° dec. $[\alpha]_D^{25}$ −251° (DMF).

Whitfield, G.B. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4799 (*isol*)
Dhar, M.L. *et al*, *J. Chem. Soc.*, 1964, 842 (*struct, bibl*)
Bergy, M.E. *et al*, *Biochemistry*, 1968, **7**, 653 (*isol, bibl*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1970, **23**, 414, 603 (*ms, struct*)
Holz, R.W., *Antibiotics (N.Y.)*, 1979, **5**, 313 (*rev*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1982, **35**, 988 (*props*)

Fipexide, INN **F-00107**
1-(1,3-Benzodioxol-5-ylmethyl)-4-[(chlorophenoxy)-acetyl]piperazine, 9CI. 1-[(p-Chlorophenoxy)acetyl]-4-piperonylpiperazine, 8CI
[34161-24-5]

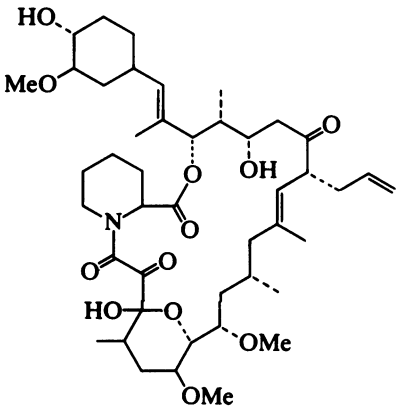


$C_{20}H_{21}ClN_2O_4$ M 388.850
Antidepressant.

B,HCl: [34161-23-4]. *Vigilor. BP 662. Attentil. Fipexium. Vilor.* Cryst. (H_2O). Mp 230-232°.

Fr. Pat., M7524, (*1970*); *CA*, **75**, 112865r (*synth, pharmacol*)
Gautier, C. *et al*, *Rev. Pathol. Comp. Med.*, 1975, **12**, 67 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12751.

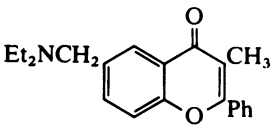
FK 506 **F-00108**
Fr-900506
[104987-11-3]



$C_{44}H_{69}NO_{12}$ M 804.029
Macrolide isol. from *Streptomyces tsukubaensis*. Immunosuppressant potentially of use in organ transplantation. Prisms + H_2O (MeCN). Mp 127-129°. $[\alpha]_D^{23}$ −84.4° (c, 1.02 in $CHCl_3$).

Eur. Pat., 184 162, (*1986*); *CA*, **105**, 189454b (*isol*)
Kino, T. *et al*, *J. Antibiot.*, 1987, **40**, 1249, 1257 (*struct, pharmacol*)
Jones, T.K. *et al*, *J. Am. Chem. Soc.*, 1989, **111**, 1157 (*synth*)

Flavamine, INN **F-00109**
6-[(Diethylamino)methyl]-3-methyl-2-phenyl-4H-1-benzopyran-4-one, 9CI. 6-[(Diethylamino)methyl]-3-methylflavone, 8CI
[15686-60-9]



$C_{21}H_{23}NO_2$ M 321.418
Spasmolytic agent.

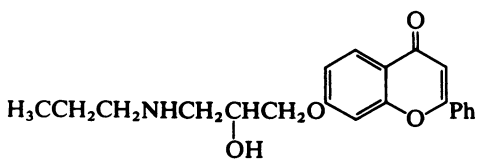
▷LK8327500.

B,HCl: [16146-79-5]. *Rec 7/0052.* Mp 262-264°.

▷LK8327520.

Ger. Pat., 1 244 192, (*1967*); *CA*, **67**, 100006h (*synth, tox, pharmacol*)

Flavodilol, INN **F-00110**
7-[2-Hydroxy-3-(propylamino)propoxy]-2-phenyl-4H-1-benzopyran-4-one, 9CI. 7-[2-Hydroxy-3-(propylamino)propoxy]flavone



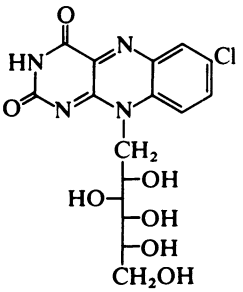
$C_{21}H_{23}NO_4$ M 353.417
(±)-*form* [79619-31-1]
Antihypertensive agent. Mp 140-145°.

B,HCl: [84858-23-1]. Cryst. (MeOH). Mp 234-235°.
Maleate: [79619-32-2]. *Flavodilol maleate, USAN. PR 877-530L.*

Eur. Pat., 64 165, (*1982*); *CA*, **98**, 107161d (*synth, pharmacol*)
Eur. Pat., 81 621, (*1983*); *CA*, **99**, 139772r (*synth, pharmacol*)

Flavotin F-00111

7-Chloro-10-(1-deoxysorbityl)isoalloxizine



$C_{16}H_{17}ClN_4O_7$ M 412.786

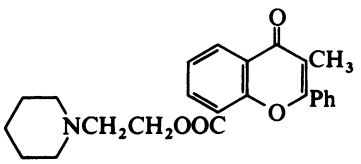
Riboflavin analogue. Cryst. (AcOH aq.). Mp 235-245°. Softens at 210°.

Shunk, C.H. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 4251 (*synth*)
Dietrich, L.S. *et al*, *Cancer Res.*, 1953, **13**, 699; 1955, **15**, 390 (*props*)

Flavoxate, BAN, INN F-00112

3-Methyl-4-oxo-2-phenyl-4H-1-benzopyran-8-carboxylic acid 2-(1-piperidinyl)ethyl ester, 9CI

[15301-69-6]



$C_{24}H_{25}NO_4$ M 391.466

Antispasmodic, smooth muscle relaxant. Cryst. (EtOH/Et_2O).

B,HCl: [3717-88-2]. *Flavoxate hydrochloride, USAN, JAN. Urispas. NSC 114649. Other proprietary names.* Mp 232-234°.

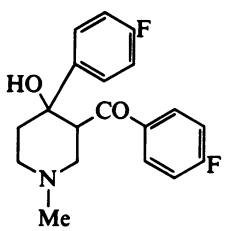
▷DJ2450000.

da Re, P. *et al*, *J. Med. Chem.*, 1960, **2**, 263 (*synth*)
Setnikar, I. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **130**, 356 (*pharmacol*)
Setnikar, I. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1916.
Cazzulani, P. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1984, **268**, 301 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7053 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5233.

Flazalone, BAN, USAN F-00113

(4-Fluorophenyl)[4-(4-fluorophenyl)-4-hydroxy-1-methyl-3-piperidinyl]methanone, 9CI. Flumefinine. NSC 102629. R 760

[21221-18-1]



$C_{19}H_{19}F_2NO_2$ M 331.361

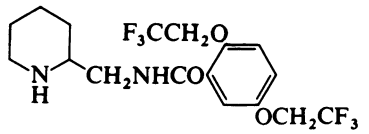
Antiinflammatory drug. Cryst. (MeOH). Mp 145-147°.

Draper, M.D. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1803 (*synth, pharmacol*)
Levy, L. *et al*, *J. Pharmacol. Exp. Ther.*, 1976, **198**, 473 (*pharmacol*)

Flecainide, BAN, INN F-00114

N-(2-Piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)-benzamide, 9CI

[54143-55-4]



$C_{17}H_{20}F_6N_2O_3$ M 414.347

Antiarrhythmic drug.

B,AcOH: [54143-56-5]. *Flecainide acetate, USAN. Flecaine. Modicard. Tambocor. R 818.* Granular solid (isopropyl ether). Mp 145-147°.

(R)-form [99495-90-6]

Cryst. (EtOAc). Mp 102-104°. $[\alpha]_D^{26}$ −3.3° (c, 2.86 in MeOH).

B,HCl: [100428-21-5]. Mp 223-225°. $[\alpha]_{365}^{20}$−20.0° (c, 0.3 in EtOH).

B,AcOH: [99495-94-0]. Mp 152.5-154°. $[\alpha]_D^{26}$ −4.5° (c, 3.23 in MeOH).

(S)-form [99495-92-8]

Mp 104-105°. $[\alpha]_D^{26}$ −3.4° (c, 3.82 in MeOH).

B,HCl: [100428-20-4]. Mp 222-225°. $[\alpha]_{365}^{20}$+20.0° (c, 0.28 in EtOH).

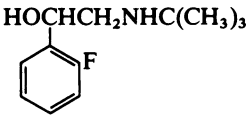
B,AcOH: [99495-93-9]. Mp 153-155°. $[\alpha]_D^{24}$ −4.6° (c, 3.99 in MeOH).

Banitt, E.H. *et al*, *J. Med. Chem.*, 1977, **20**, 821 (*synth, pharmacol*)
Bigger, J.T., Ed., *Am. J. Cardiol.*, 1984, **53** (*book*)
Blaschke, G. *et al*, *Chem. Ber.*, 1985, **118**, 4616 (*resoln, abs config*)
Holmes, B. *et al*, *Drugs*, 1985, **29**, 1 (*rev*)
Banitt, E.H. *et al*, *J. Med. Chem.*, 1986, **29**, 299 (*synth, resoln, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12753.

Flerobuterol, INN F-00115

α-[[(1,1-Dimethylethyl)amino]methyl]-2-fluorobenzenemethanol, 9CI

[82101-10-8]



$C_{12}H_{18}FNO$ M 211.279

(−)-form

Central stimulant.

B,HCl: CRL 40996. $[\alpha]_D^{20}$ −46° (c, 1 in MeOH).

(±)-form

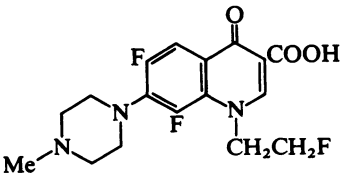
B,HCl: [82101-08-4]. *CRL 40827.* Cryst. (EtOH/Me_2CO). Mp 180.5°.

Fr. Pat., 2 486 074, (*1982*); *CA*, **97**, 23441 (*synth, pharmacol*)
Fr. Pat., 2 554 811, (*1985*); *CA*, **104**, 161994 (*synth, stereoisomers*)
Chariot, J. *et al*, *Eur. J. Pharmacol.*, 1988, **146**, 17 (*pharmacol*)

Fleroxacin, INN, USAN **F-00116**

6,8-Difluoro-1-(2-fluoroethyl)-1,4-dihydro-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, 9CI. *Am 833. Ro 23-6240*

[79660-72-3]



$C_{17}H_{18}F_3N_3O_3$ M 369.343

Antibacterial agent.

B,HCl: [79660-53-0]. Cryst. (H_2O). Mp 269-271° dec.

Australian Pat., 537 813, (*1984*); *CA*, **102**, 24503 (*synth*)

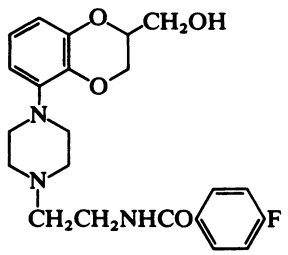
Leigh, D. *et al*, Eds., *J. Antimicrob. Chemother.*, 1988, **22** (*Suppl. D*) (*book*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2953.

Flesinoxan, INN **F-00117**

N-[2-[4-[2,3-Dihydro-2-(hydroxymethyl)-1,4-benzodioxin-5-yl]-1-piperazinyl]ethyl]-4-fluorobenzamide, 9CI

[98205-86-8]



$C_{22}H_{26}FN_3O_4$ M 415.464

(+)-***form*** [98206-10-1]

Antihypertensive agent.

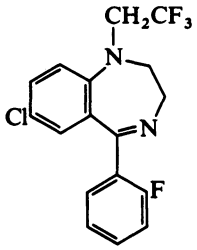
B,HCl: [98205-89-1]. *DU 29373.* Mp 187-188°.

Eur. Pat., 138 280, (*1985*); *CA*, **103**, 123520 (*synth, pharmacol*)

Fletazepam, BAN, INN, USAN **F-00118**

7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-1-(2,2,2-trifluoroethyl)-1H-1,4-benzodiazepine, 9CI. *Sch 15698*

[34482-99-0]



$C_{17}H_{13}ClF_4N_2$ M 356.750

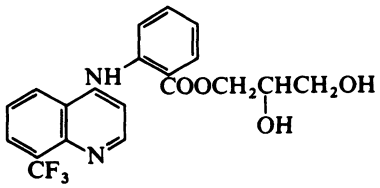
Skeletal muscle relaxant. Mp 83-85°.

Steinman, M. *et al*, *J. Med. Chem.*, 1973, **16**, 1354 (*synth, pharmacol*)

Floctafenine, BAN, USAN, INN **F-00119**

2-[[8-(Trifluoromethyl)-4-quinolinyl]amino]benzoic acid 2,3-dihydroxypropyl ester, 9CI. N-[8-(Trifluoromethyl)-4-quinolyl]anthranilic acid 2,3-dihydroxypropyl ester, 8CI. *Diralgin. Duralgin. Floktin. Idalon. Idarac. Novodolan. R 4318. RU 15750*

[23779-99-9]



$C_{20}H_{17}F_3N_2O_4$ M 406.361

▷DH8520000.

(±)-***form***

Analgesic. Cryst. (MeOH). Mp 179-180°.

Allais, A. *et al*, *Chim.-Ther.*, 1973, **8**, 154 (*synth, pharmacol*)

Peterfalvi, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1975, **216**, 97 (*pharmacol*)

Glomot, R. *et al*, *Toxicol. Appl. Pharmacol.*, 1976, **36**, 173 (*tox*)

Lynn, R.K. *et al*, *J. Clin. Pharmacol.*, 1979, **19**, 20 (*metab*)

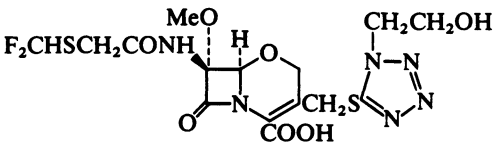
Mouzin, G. *et al*, *Synthesis*, 1980, 54 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2651.

Flomoxef, INN **F-00120**

7-[[[[(Difluoromethyl)thio]acetyl]amino]-3-[[[1-(2-hydroxyethyl)-1H-tetrazol-5-yl]thio]methyl]-7-methoxy-8-oxo-5-oxa-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. *6315* S

[99665-00-6]



$C_{15}H_{18}F_2N_6O_7S_2$ M 496.460

Antibiotic.

Na salt: [96647-03-9]. Cryst. $+1H_2O$ (Me_2CO/CH_2Cl_2). Mp 82.5-87.5°.

Tsuji, S. *et al*, *J. Antibiot.*, 1985, **38**, 466 (*synth, props*)

Muraoka, Y. *et al*, *Chemotherapy* (*Tokyo*), 1987, **35** (*Suppl. 1*), 207 (*pharmacol, tox, metab, numerous papers*)

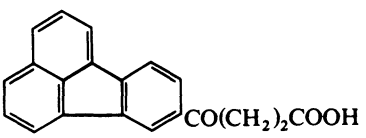
Nakai, H. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 2153 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1792.

Florantyrone, BAN, INN **F-00121**

γ-Oxo-8-fluoranthenebutanoic acid, 9CI. *γ-Oxo-8-fluoranthenebutyric acid,* 8CI. *Florantiron. Bilyn. Cistoplex. Fluochol. Idrobil. Idroepar. Zanchol. SC 1674*

[519-95-9]



$C_{20}H_{14}O_3$ M 302.329

Hydrocholeretic. Fine platelets (dioxan/EtOH). Mp 195° (209°).

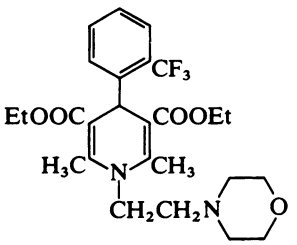
Gunter, M.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 465 (*pharmacol*)

U.S.P., 2 560 425, (*1951*); *CA*, **46**, 3572 (*synth, pharmacol*)
Archeson, E.D., *Gastroenterology*, 1959, **37**, 735 (*pharmacol*)
Lamy, J. *et al*, *J. Chem. Soc.*, 1959, 1845 (*synth*)
Parker, J.W. *et al*, *Gastroenterology*, 1961, **41**, 563 (*metab*)
Corbellini, A. *et al*, *Gazz. Chim. Ital.*, 1964, **94**, 1311 (*synth*)
Parini, C. *et al*, *Gazz. Chim. Ital.*, 1967, **97**, 1701 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3723.

Flordipine, USAN, INN **F-00122**

Diethyl 1,4-dihydro-2,6-dimethyl-1-[2-(4-morpholinyl)ethyl]-4-[2-(trifluoromethyl)phenyl]-3,5-pyridinedicarboxylate, 9CI. RHC 2906. REV 2906

[77590-96-6]



$C_{26}H_{33}F_3N_2O_5$ M 510.552

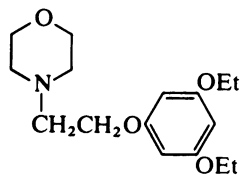
Antihypertensive agent.

U.S.P., 4 258 042, (*1981*); *CA*, **95**, 42928a (*synth, pharmacol*)
Ringel, S.M. *et al*, *J. Clin. Pharmacol.*, 1983, **33**, 231P.
Rosenberg, M. *et al*, *J. Chromatogr.*, 1984, **308**, 382 (*hplc*)
Mayhan, W.G. *et al*, *J. Pharmacol. Exp. Ther.*, 1985, **235**, 92 (*pharmacol*)
Mann, W.S. *et al*, *Pharmacologist*, 1987, **24**, 137.
Kritchevsky, D. *et al*, *Atherosclerosis* (*Shannon, Irel.*), 1988, **69**, 89 (*pharmacol*)

Floredil, INN **F-00123**

4-[2-(3,5-Diethoxyphenoxy)ethyl]morpholine, 9CI. 1-(3,5-Diethoxyphenoxy)-2-morpholinoethane

[53731-36-5]



$C_{16}H_{25}NO_4$ M 295.378

Coronary vasodilator.

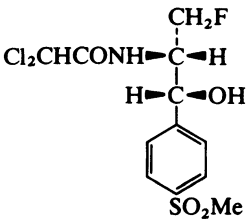
B,HCl: [30116-80-4]. *Carfonal.* Cryst. (2-propanol). Mp 183-184°.

Ger. Pat., 2 020 464, (*1970*); *CA*, **74**, 31650u (*synth, tox, pharmacol*)

Florfenicol, BAN, INN, USAN **F-00124**

2,2-Dichloro-N-[1-(fluoromethyl)-2-hydroxy-2-[4-(methylsulfonyl)phenyl]ethyl]acetamide, 9CI. 1-(4-Methylsulfonylphenyl)-2-dichloroacetamido-3-fluoro-1-propanol. Sch 25298

[76639-94-6]



(1*R*,2*S*)-*form*

$C_{12}H_{14}Cl_2FNO_4S$ M 358.211

Veterinary antibacterial agent.

(***1R,2S*)-*form*** [73231-34-2]

Cryst. (EtOH aq.). Mp 151-152°. $[\alpha]_D^{20}$ −18.4° (c, 0.5 in DMF).

▷DB6034000.

(***1S,2R*)-*form*** [81588-76-3]

Mp 153-154°.

(***1RS,2SR*)-*form*** [105182-35-2]

DL-threo-*form*

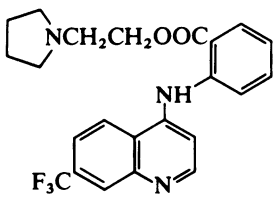
Fine cryst. (2-propanol). Mp 150-151.5°.

Dorman, C.J. *et al*, *Antimicrob. Agents Chemother.*, 1982, **22**, 912 (*pharmacol*)
U.S.P., 4 311 857, (*1982*); *CA*, **96**, 180950y (*synth*)
Jommi, G. *et al*, *Gazz. Chim. Ital.*, 1985, **115**, 653; 1986, **116**, 485 (*synth*)
Pat. Coop. Treaty (*WIPO*), 86 01 799, (*1986*); *CA*, **105**, 208751q (*synth*)
Varma, K.J. *et al*, *J. Vet. Pharmacol. Ther.*, 1986, **9**, 412 (*pharmacol*)
Bretz, K.N. *et al*, *J. Vet. Pharmacol, Ther.*, 1987, **10**, 233 (*pharmacol*)
Tyson, R., *Chem. Ind.* (*London*), 1988, 118 (*synth*)

Florifenine, INN **F-00125**

2-(1-Pyrrolidinyl)ethyl 2-[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoate, 9CI. 2-(1-Pyrrolidinyl)ethyl N-[7-(trifluoromethyl)-4-quinolyl]anthranilate

[83863-79-0]



$C_{23}H_{22}F_3N_3O_2$ M 429.441

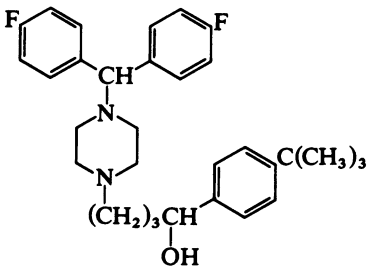
Analgesic, antiinflammatory agent. Yellow solid. Mp 63-65°.

▷LD_{50} (oral, mice) 630 mg/kg

Eur. Pat., 94 065, (*1983*); *CA*, **99**, 175392a (*synth, pharmacol*)

Flotrenizine, INN **F-00126**

4-[Bis(4-fluorophenyl)methyl]-α-[4-(1,1-dimethylethyl)phenyl]-1-piperazinebutanol, 9CI. 4-[Bis(p-fluorophenyl)methyl]-α-(p-tert-butylphenyl)-1-piperazinebutanol



$C_{31}H_{38}F_2N_2O$ M 492.651

(±)-form [82190-92-9]

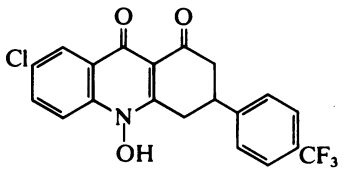
Antihistaminic, vasodilator, antiemetic, antianaphylactic.

Ger. Pat., 3 318 577, (*1983*); *CA*, 1984, **100**, 121110c (*synth, pharmacol*)

Floxacrine, INN **F-00127**

7-Chloro-3,4-dihydro-10-hydroxy-3-[4-(trifluoromethyl)phenyl]-1,9(2H,10H)-acridinedione, 9CI. Hoe 991

[53966-34-0]



$C_{20}H_{13}ClF_3NO_3$ M 407.776

Antimalarial agent. Mp >330°.

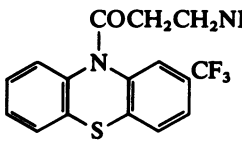
Ger. Pat., 2 337 474, (*1975*); *CA*, **83**, 9827w (*synth, pharmacol*)

Schmidt, L.H., *Antimicrob. Agents Chemother.*, 1979, **16**, 475 (*pharmacol*)

Fluacizine, INN **F-00128**

10-[3-(Diethylamino)-1-oxopropyl]-2-(trifluoromethyl)-10H-phenothiazine, 9CI. 10-(N,N-Diethyl-β-alanyl)-2-(trifluoromethyl)phenothiazine, 8CI. Fluoracizine. Ftoracizin. Phthoracizin

[30223-48-4]



$C_{20}H_{21}F_3N_2OS$ M 394.454

Antidepressant, antiarrhythmic agent.

▷SO4700000.

B,HCl: [27312-93-2]. Cryst. (2-propanol). Mp 163-164°.

U.S.S.R. Pat., 360 342, (*1965*); *CA*, **78**, 97683w (*synth*)

Gritsenko, A.N. *et al*, *Khim.-Farm. Zh.*, 1971, **5**, 18 (*synth*)

Mitrofanov, V.S. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 540 (*tox*)

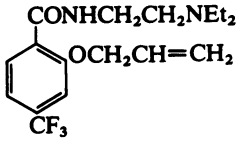
Vikhlyaev, Yu.I. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 163 (*pharmacol*)

Vikhlyaev, Yu.I. *et al*, *Farmakol. Toksikol.*, 1976, **39**, 283 (*metab*)

Flualamide, INN **F-00129**

2-(Allyloxy)-N-[2-(diethylamino)ethyl]-α,α,α-trifluoro-p-toluamide, 8CI. CE 305

[5107-49-3]



$C_{17}H_{23}F_3N_2O_2$ M 344.376

Antitussive, antiemetic.

▷XS3591000.

B,HCl: Mp 108-109°.

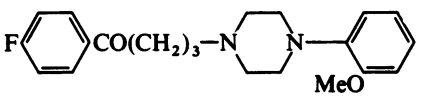
B.P., 1 019 777, (*1966*); *CA*, **64**, 14137c (*synth*)

Vacher, J. *et al*, *Med. Pharmacol. Exp.*, 1966, **15**, 241 (*pharmacol*)

Fluanisone, BAN, INN **F-00130**

1-(4-Fluorophenyl)-4-[4-(2-methoxyphenyl)-1-piperazinyl]-1-butanone, 9CI. 4'-Fluoro-4-[4-(o-methoxyphenyl)-1-piperazinyl]butyrophenone, 8CI. Anti-Pica. Haloanisone. Methorin. Metoran. Sedalande. Solusediv. MD 2028. R 2028

[1480-19-9]



$C_{21}H_{25}FN_2O_2$ M 356.439

Neuroleptic. Sl. sol. Et_2O, sol. $CHCl_3$. Mp 67.5-68.5°.

▷EU3640000.

U.S.P., 2 997 472, (*1961*); *CA*, **56**, 11603 (*synth, pharmacol*)

Janssen, P.A.J., *Arzneim.-Forsch.*, 1961, **11**, 819 (*pharmacol*)

Solov'ev, V.M. *et al*, *Zh. Obshch. Khim.*, 1967, **37**, 1233 (*synth, pharmacol*)

Mishkinsky, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94 (*pharmacol*)

Frigerio, A. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 1051 (*ms*)

Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*uv*)

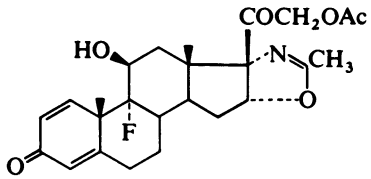
Azibi, M. *et al*, *Pharm. Acta Helv.*, 1981, **56**, 190 (*polymorphism*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7040.

Fluazacort, USAN, INN **F-00131**

21-(Acetoxy)-9-fluoro-11β-hydroxy-2'-methyl-5'H-pregna-1,4-dieno[17,16β-d]oxazole-3,20-dione, 9CI. 9-Fluoro-11β,21-dihydroxy-2'-methyl-5'βH-pregna-1,4-dieno[16,17-d]oxazole-3,20-dione, 8CI. Fluazacortenol acetate. Azacortid. L 6400

[19888-56-3]



$C_{25}H_{30}FNO_6$ M 459.514

Antiinflammatory drug. Cryst. (EtOH). Mp 252-255°. $[\alpha]_D^{25}$ +54.8° (c, 0.5 in $CHCl_3$).

▷TU4157052.

Nathansohn, G. *et al*, *Steroids*, 1969, **13**, 365, 383 (*pharmacol, synth, uv*)

Lewis, J.D. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1646 (*metab*)

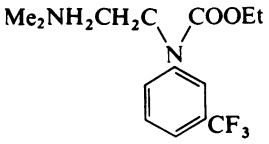
De Angelis, L., *Med. Actual.*, 1976, **12**, 396 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12755.

Flubanilate, INN **F-00132**

N-[*2-(Dimethylamino)ethyl*]-*3-trifluoromethylcarbanilic acid ethyl ester*

[847-20-1]



$C_{14}H_{19}F_3N_2O_2$ M 304.312

Central stimulant.

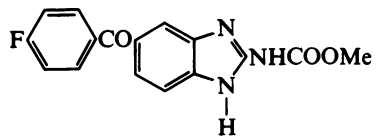
B,HCl: [967-48-6]. *Flubanilate hydrochloride,* USAN. Mp 191-192°.

Netherlands Pat., 6 405 528, (*1963*); *CA*, **62**, 10368g (*synth, pharmacol*)

Flubendazole, BAN, INN, USAN **F-00133**

Methyl [*5-(4-fluorobenzoyl)-1*H-*benzimidazol-2-yl*]-*carbamate,* 9CI. *4'-Fluoromebendazole. Flubenol. Flumoxal. Flumoxane. Fluvermal. R 17889*

[31430-15-6]



$C_{16}H_{12}FN_3O_3$ M 313.288

Anthelmintic, antiprotozoal agent. Mp 260°.

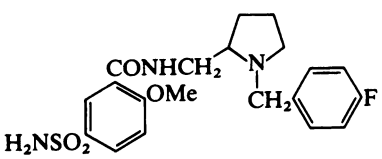
▷DD6497500.

Raeymaekers, A.H.M., *Arzneim.-Forsch.*, 1978, **28**, 586 (*synth*)
Thienpout, D. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 605 (*pharmacol*)
Bogan, J.A., *Drugs of Today*, 1980, **16**, 306 (*rev*)
Ram, S. *et al*, *Org. Prep. Proced. Int.*, 1985, **17**, 215 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12756.

Flubepride, INN **F-00134**

5-(Aminosulfonyl)-N-[[*1-*[(*4-fluorophenyl)methyl*]-*2-pyrrolidinyl*]*methyl*]-*2-methoxybenzamide,* 9CI. N-[[*1-*(p-*Fluorobenzyl*)-*2-pyrrolidinyl*]*methyl*]-*5-sulfamoyl-o-anisamide*

[56488-61-0]



$C_{20}H_{24}FN_3O_4S$ M 421.486

(±)-***form*** [60736-99-4]

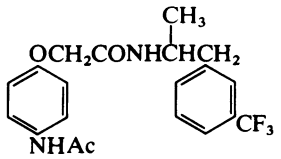
Psychotropic, antiemetic agent. Mp 202.5-203°. Opt. active forms also known.

Ger. Pat., 2 556 457, (*1976*); *CA*, **85**, 177248t (*synth, pharmacol*)
Fleminger, S. *et al*, *J. Pharm. Pharmacol.*, 1983, **35**, 363 (*pharmacol*)

Flucetorex, INN **F-00135**

2-[4-(Acetylamino)phenoxy]-N-[*1-methyl-2-[3-(trifluoromethyl)phenyl]ethyl*]*acetamide,* 9CI. α-[[α-*Methyl*-m-(*trifluoromethyl)phenethyl*]*carbamoyl*]-p-*acetanisidide. PM 3944. LB 191*

[40256-99-3]



$C_{20}H_{21}F_3N_2O_3$ M 394.393

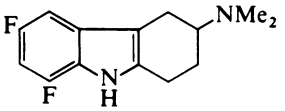
Anorectic agent. Cryst. (C_6H_6). Mp 118°.

Ger. Pat., 2 227 846, (*1973*); *CA*, **78**, 84064v (*synth, pharmacol*)

Flucindole, USAN, INN **F-00136**

6,8-Difluoro-2,3,4,9-tetrahydro-N,N-*dimethyl-1*H-*carbazol-3-amine,* 9CI. *3-(Dimethylamino)-6,8-difluoro-1,2,3,4-tetrahydrocarbazole. Win 35150*

[40594-09-0]



$C_{14}H_{16}F_2N_2$ M 250.291

(+)-***form*** [40594-13-6]

Mp 143-144°. $[\alpha]_D^{24}$ +86.3° (c, 2 in MeOH).

(−)-***form*** [60481-01-8]

Mp 142.5-143.5°.

B,HCl: [60481-00-7]. Mp 278-279°. $[\alpha]_D^{25}$ −69.8° (c, 2 in H_2O).

(±)-***form***

Tranquilliser. Mp 180-183°.

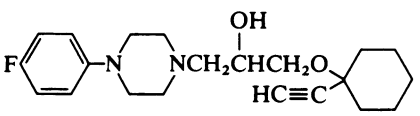
B,HCl: [40594-10-3]. Mp 268-270°.
B,Me_2SO_4*:* [60480-99-1]. Mp 187-189°.

U.S.P., 3 959 309, (*1976*); *CA*, **85**, 123759s (*synth, pharmacol*)
Mooradian, A. *et al*, *J. Med. Chem.*, 1977, **20**, 487 (*synth, pharmacol*)

Fluciprazine, INN **F-00137**

α-[[(*1-Ethynylcyclohexyl*)*oxy*]*methyl*]-*4-(4-fluorophenyl)-1-piperazineethanol,* 9CI

[54340-64-6]



$C_{21}H_{29}FN_2O_2$ M 360.471

Antitussive, antiemetic, neuroleptic agent. Cryst. (EtOH). Mp 106°.

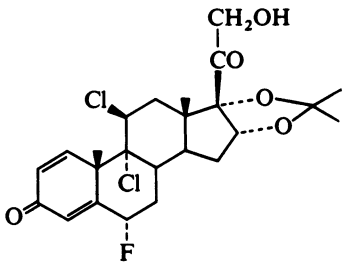
B,2HCl: [50743-79-8]. Mp 183°.

Ger. Pat., 2 318 025, (*1973*); *CA*, **80**, 27283h (*synth, pharmacol, deriv*)
Fr. Pat., 2 224 136, (*1974*); *CA*, **83**, 114477e (*synth, pharmacol*)

Fluclorolone acetonide, BAN, INN **F-00138**

9,11β-Dichloro-6α-fluoro-21-hydroxy-16α,17-[(1-methylethylidene)bis(oxy)]-pregna-1,4-diene-3,20-dione, 9CI. ***Flucloronide, USAN.*** *Cutanit. Topilar. RS 2252*

[3693-39-8]



$C_{24}H_{29}Cl_2FO_5$ M 487.395

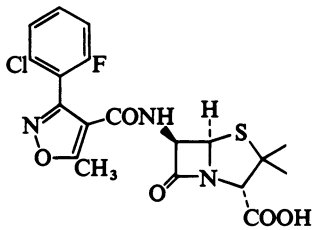
Corticosteroid, antiinflammatory agent. Cryst. (Me_2CO/hexane).

U.S.P., 3 201 391, (*1965*); *CA*, **63**, 14950a (*synth, pharmacol*)
U.S.P., 3 674 778, (*1972*); *CA*, **77**, 114695a (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1088.

Flucloxacillin, BAN, INN **F-00139**

Floxacillin, USAN. *Floxapen. BRL 2039. Antibiotic BRL 2039. Flupen. Penplus. Other synonyms*

[5250-39-5]



$C_{19}H_{17}ClFN_3O_5S$ M 453.872

Semisynthetic penicillin. Orally absorbed, resistant to staphylococcal β-lactamase.

Na salt: [1847-24-1]. *Sodium flucloxacillin, JAN.*

▷XH8680000.

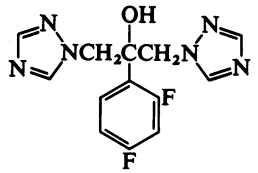
Mg salt (2:1): [58486-36-5]. *Floxacillin magnesium, USAN.*

B.P., 978 299, (*1964*); *CA*, **62**, 10441 (*synth*)
Sutherland, R. *et al*, *Br. Med. J.*, 1970, 460 (*pharmacol*)
Bergeron, M.G. *et al*, *Am. J. Med. Sci.*, 1976, **271**, 13 (*activity, pharmacol*)
Murai, V. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 385 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 85, 3868.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5129.

Fluconazole, INN **F-00140**

α-(2,4-Difluorophenyl)-α-(1H-1,2,4-triazol-1-ylmethyl)-1H-1,2,4-triazole-1-ethanol, 9CI. *2-(2,4-Difluorophenyl)-1,3-bis(1H-1,2,4-triazol-1-yl)-2-propanol. UK-49858*

[86386-73-4]



$C_{13}H_{12}F_2N_6O$ M 306.274

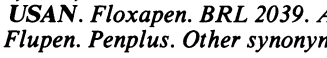
Antifungal agent. Cryst. (EtOAc/hexane). Mp 138-140°.

B.P., 2 099 818, (*1982*); *CA*, **99**, 38467q (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18642.

Flucrylate, USAN **F-00141**

2,2,2-Trifluoro-1-methylethyl 2-cyano-2-propenoate, 9CI. *2,2,2-Trifluoro-1-methylethyl 2-cyanoacrylate,* 8CI. ***Flucrilate, INN.*** *BA 4197. MBR-4197*

[23023-91-8]



$C_7H_6F_3NO_2$ M 193.125

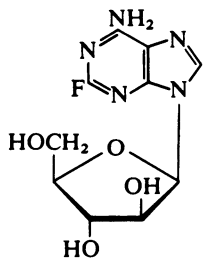
Surgical aid (tissue adhesive). Bp_{13} 96°.

Ger. Pat., 1 811 266, (*1969*); *CA*, **72**, 54812w (*synth*)
U.S.P., 3 639 361, (*1972*); *CA*, **76**, 141514b (*synth, use*)

Fludarabine, INN **F-00142**

9-β-D-Arabinofuranosyl-2-fluoro-9H-purin-6-amine, 9CI. *9-β-D-Arabinofuranosyl-2-fluoroadenine*

[21679-14-1]



$C_{10}H_{14}FN_5O_4$ M 287.250

Antineoplastic agent. Cryst. (EtOH aq.). Mp 260°. $[\alpha]_D^{25}$ +17.0° (c, 0.1 in EtOH).

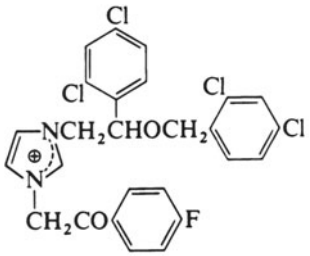
5'-Phosphate: [75607-67-9]. *Fludarabine phosphate, USAN. 2-Fluoro-9-(5-O-phosphono-β-D-arabinofuranosyl)-9H-purin-6-amine,* 9CI. *F-ara AMP-2. NSC 312887.*

▷UO7440900.

Montgomery, J.A. *et al*, *J. Med. Chem.*, 1969, **12**, 498 (*synth*)
Brockman, R.W. *et al*, *Cancer Res.*, 1980, **40**, 3610 (*metab, pharmacol*)

Fludazonium(1+) **F-00143**

1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)-methoxy]ethyl-3-[2(4-fluorophenyl)-2-oxoethyl]-1H-imidazolium, 9CI. 1-[2,4-Dichloro-β-(2,4-dichlorobenzyloxy)phenethyl]-3-(p-fluorobenzoylmethyl)imidazolium



$C_{26}H_{20}Cl_4FN_2O_2^{\oplus}$ M 553.267 (ion)
Topical antiinfective agent.

(±)-form

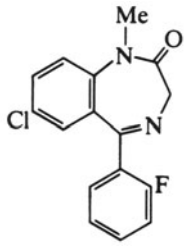
Chloride: [53597-28-7]. *Fludazonium chloride, USAN, INN. R 23633.*
$C_{26}H_{20}Cl_5FN_2O_2$ M 588.720
Mp 181°.

Ger. Pat., 2 504 114, (*1975*); *CA*, **83**, 193323c (*synth*)

Fludiazepam, INN **F-00144**

7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-methyl-2H-1,4-benzodiazepin-2-one, 9CI. ID-540. Elspan

[3900-31-0]



$C_{16}H_{12}ClFN_2O$ M 302.735
Antidepressant, tranquilliser. Prisms (*n*-hexane/2-propanol). Mp 88-92°.

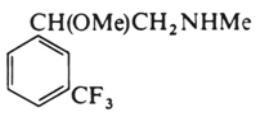
▷DF2370305.

Asami, Y. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1563 (*synth, ir, pmr, pharmacol*)

Fludorex, INN, USAN **F-00145**

β-Methoxy-N-methyl-3-(trifluoromethyl)-benzeneethanamine, 9CI. Win 11464

[15221-81-5]



$C_{11}H_{14}F_3NO$ M 233.233
Anorexic, antiemetic. Bp_{21} 113-117°.

▷SH8940000.

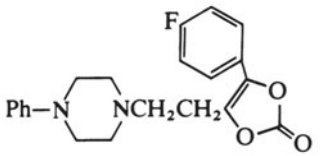
B,HCl: [15221-80-4]. Mp 195-196°.

Netherlands Pat., 6 608 794, (*1966*); *CA*, **67**, 64023a (*synth, pharmacol*)
Beregi, S.L. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 116 (*pharmacol*)

Fludoxopone, INN **F-00146**

4-(4-Fluorophenyl)-5-[2-(4-phenyl-1-piperazinyl)-ethyl]-1,3-dioxol-2-one, 9CI

[71923-29-0]



$C_{21}H_{21}FN_2O_3$ M 368.407
Anticholesterolaemic agent.

▷LD_{50} (i.p., mice) 420 mg/kg

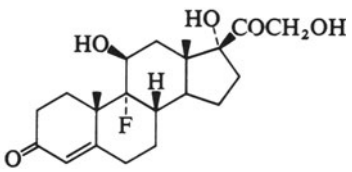
B,2HCl: Cryst. (EtOH). Mp 264-265°.

B.P., 2 017 684, (*1979*); *CA*, **91**, 193289m (*synth, pharmacol*)

Fludrocortisone, BAN, USAN, INN **F-00147**

9α-Fluoro-11β,17α,21-trihydroxy-4-pregnene-3,20-dione. 9α-Fluorohydrocortisone. Alflorone. Astonin H. Corti 9. Florinef. Fludrocortone. Fludrone. Fluohydrisone. Fluocortisol. StC 1400

[127-31-1]



$C_{21}H_{29}FO_5$ M 380.456
Corticosteroid. Cryst. Mp 260-262° dec. $[\alpha]_D^{23}$ +139° (c, 0.55 in EtOH).

▷TU5025000.

21-Ac: [514-36-3]. ***Fludrocortisone acetate***. *Alflorone acetate. Florinef acetate. Fludrocortone.*
$C_{23}H_{31}FO_6$ M 422.493
Antiinflammatory agent, salt-regulating adrenocortical steroid. Cryst. Mp 233-234°. $[\alpha]_D$ +143° ($CHCl_3$). Polymorphic.

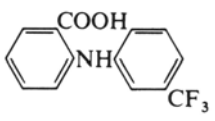
▷TU5050000.

Fried, J. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1455; 1957, **79**, 1130 (*synth*)
Lettenbaur, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1105 (*numerous papers, pharmacol*)
Weeks, C.M. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 2865 (*struct*)
Florey, F., *Anal. Prof. Drug. Subst.*, 1974, **3**, 281 (*rev*)
Giannini, D.D. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 5462 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1089.

Flufenamic acid, BAN, USAN, INN, JAN **F-00148**

2[[3-(Trifluoromethyl)phenyl]amino]benzoic acid, 9CI. N-(α,α,α-Trifluoro-m-tolyl)anthranilic acid, 8CI. 3'-Trifluoromethyldiphenylamine-2-carboxylic acid. NSC 82699. Numerous proprietary names

[530-78-9]



$C_{14}H_{10}F_3NO_2$ M 281.234
Antiinflammatory agent, analgesic. Pale-yellow needles (EtOH aq.). Mp 125°. Also used as Al salt (Aluminium flufenamate, JAN).

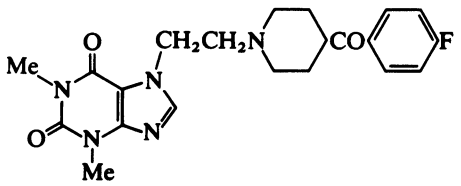
▷CB4375000.

Wilkinson, J.H. *et al*, *J. Chem. Soc.*, 1948, 32 (*synth*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*pharmacol, props*)
Abignente, E. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 313 (*rev*)
Murthy, H.M.K. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 315 (*cryst struct*)
Kaltenbronn, J.S. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 621 (*synth, pharmacol*)
Lentjes, E. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1987, **25**, 185 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2989 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2652.

Flufylline, INN F-00149

7-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, *9CI. 7-[2-[4-(p-Fluorobenzoyl)piperidino]ethyl]theophylline. Sgd 19578*

[82190-91-8]



$C_{21}H_{24}FN_5O_3$ M 413.451

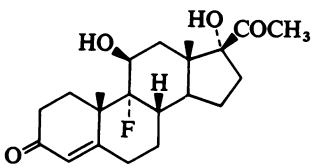
Antihistaminic, analeptic agent. Mp 143-145°.

Eur. Pat., 71 738, (*1983*); *CA*, **99**, 5444b (*synth, pharmacol*)
Thiele, K. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1 (*synth, pharmacol*)

Flugestone, BAN F-00150

9α-Fluoro-11β,17α-dihydroxy-4-pregnene-3,20-dione. Fluorogestone

[337-03-1]



$C_{21}H_{29}FO_4$ M 364.456

Progestational steroid.

17-Ac: [2529-45-5]. ***Flugestone acetate, BAN, INN.*** *Flurogestone acetate, USAN. Chronogest. Cronolone. FGA. NSC 65411. SC 9880.*

$C_{23}H_{31}FO_5$ M 406.493

Progestin. Cryst. (C_6H_6/pet. ether). Mp 266-269°. $[\alpha]_D$ +77.6° ($CHCl_3$).

▷TU5024000.

Di-Ac:

$C_{25}H_{33}FO_6$ M 448.531

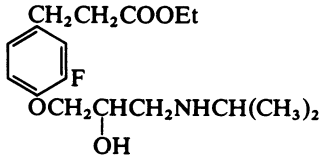
Mp 277-282°.

Bergstrom, C.G. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4432 (*synth, pharmacol*)
U.S.P., 2 892 851, (*1960*); *CA*, **54**, 1615 (*synth*)
B.P., 868 897, (*1961*); *CA*, **55**, 27435 (*synth*)
Vitali, R. *et al*, *Gazz. Chim. Ital.*, 1966, **96**, 1115.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9047.

Flumalol F-00151

3-Fluoro-4-[2-hydroxy-3-[(1-methylethyl)amino]-propoxy]benzenepropanoic acid ethyl ester, *9CI. Ethyl 3-fluoro-4-[2-hydroxy-3-(isopropylamino)propoxy]-hydrocinnamate. H 174/70*

[97558-62-8]



$C_{17}H_{26}FNO_4$ M 327.395

(±)-form

β-Adrenergic blocker.

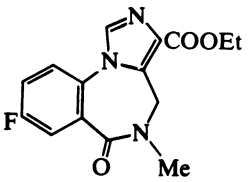
B,HCl: [81148-29-0]. Mp 81°.

Eur. Pat., 41 491, (*1981*); *CA*, **96**, 122391f (*synth, pharmacol*)
Gustafsson, B.B. *et al*, *Acta Pharm. Suec.*, 1986, **23**, 241 (*synth*)

Flumazenil, INN, BAN, USAN F-00152

Ethyl 8-fluoro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylate, *9CI. Flumazepil. Anexate. Ro 15-1788*

[78755-81-4]



$C_{15}H_{14}FN_3O_3$ M 303.292

Benzodiazepine antagonist, anticonvulsant. Cryst. ($EtOAc/Et_2O$). Mp 199-200°.

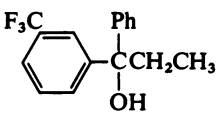
▷NI2922170.

Eur. Pat., 27 214, (*1981*); *CA*, **95**, 115621g (*synth, pharmacol*)
Hunkeler, W. *et al*, *Nature* (*London*), 1981, **290**, 514 (*pharmacol*)
File, S.E., *Psychopharmacology* (*Berlin*), 1986, **88**, 1 (*rev*)
Klotz, U. *et al*, *Clin. Pharmacokinet.*, 1988, **14**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13215.

Flumecinol, INN F-00153

α-Ethyl-α-phenyl-3-(trifluoromethyl)benzenemethanol, *9CI. α-Ethyl-3-(trifluoromethyl)benzhydrol. 1-Phenyl-1-[3-(trifluoromethyl)phenyl]-1-propanol. Synklit. Zixoryn. RGH-3332*

[56430-99-0]



$C_{16}H_{15}F_3O$ M 280.289

▷DC8525000.

(±)-form

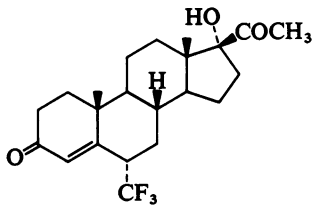
CNS depressant. $Bp_{0.03}$ 106-108°.

Ger. Pat., 2 438 399, (*1975*); *CA*, **83**, 96707y (*synth, pharmacol*)
Szeberenyi, S. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 663 (*pharmacol*)
Ledniczky, M. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 673 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19184.

Flumedroxone, BAN, INN **F-00154**

17α-Hydroxy-6α-trifluoromethyl-4-pregnene-3,20-dione

[15687-21-5]



$C_{22}H_{29}F_3O_3$ M 398.465

Used to treat migraine.

Ac: [987-18-8]. ***Flumedroxone acetate***. *Demigran. Leomigran. WG 537.*

$C_{24}H_{31}F_3O_4$ M 440.502

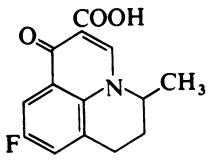
Used in migraine treatment. Cryst. Mp 206-207°. $[\alpha]_D^{20}$ +30°.

Godtfredsen, W.O. *et al, Acta Chem. Scand.*, 1961, **15**, 1786.
B.P., 905 694, (*1962*); *CA*, **58**, 4632 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9048.

Flumequine, USAN, INN, BAN **F-00155**

9-Fluoro-6,7-dihydro-5-methyl-1-oxo-1H,5H-benzo[ij]quinolizine-2-carboxylic acid, 9CI. *Apurone. Flumural. Imequyl. Uribact. R 802*

[42835-25-6]



$C_{14}H_{12}FNO_3$ M 261.252

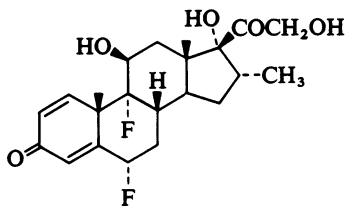
Antibacterial agent. Cryst. (DMF). Mp 253-255°.

Ger. Pat., 2 264 163, (*1973*); *CA*, **79**, 92029y (*synth*)
Rohlfing, S.R. *et al, Antimicrob. Agents Chemother.*, 1976, **10**, 20 (*pharmacol*)
Neuman, M., *Drugs of Today*, 1978, **14**, 364 (*rev*)
Felmingham, D. *et al, Drugs Exp. Clin. Res.*, 1985, **11**, 317 (*props*)
Harrison, L.I. *et al, Drugs Metab. Dispos.*, 1986, **14**, 555 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12757.
Sittig, M. *Pharmaceutical Manufacturing Encyclopaedia*, 2nd Ed., Noyes Publishing, New Jersey, 1988, 659 (*rev*)

Flumethasone, BAN, USAN **F-00156**

6α,9α-Difluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione. ***Flumetasone, INN****. Fluvet. Flucort. NSC 54702. Other proprietary names*

[2135-17-3]



$C_{22}H_{28}F_2O_5$ M 410.457

Glucocorticoid. Antiinflammatory agent.

▷TU3832000.

21-Ac: [2823-42-9]. ***Flumethasone acetate***. *Flumetasone acetate. Fluosmin.*

$C_{24}H_{30}F_2O_6$ M 452.494

Glucocorticoid. Antiinflammatory agent. Cryst. (Me_2CO/hexane). Mp 260-264°. $[\alpha]_D$ +91°.

21-(2,2-Dimethylpropanoyl): [2002-29-1]. ***Flumethasone pivalate,*** BAN, ***USAN****. Locorten. Lorinden. NSC 107680. Other proprietary names.*

$C_{27}H_{36}F_2O_6$ M 494.575

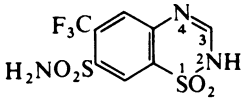
Glucocorticoid. Antiinflammatory agent. Mp 229-230° dec., Mp 254-255° dec. (dimorphic). $[\alpha]_D^{29}$ +72.7° (c, 1.03 in dioxan).

Edwards, J.A. *et al, J. Am. Chem. Soc.*, 1959, **81**, 3156; 1960, **82**, 2318 (*synth*)
B.P., 926 472, (*1963*); *CA*, **60**, 598 (*deriv*)
Desaulles, P.A. *et al, Steroids*, 1965, **6**, 339 (*deriv*)
Joseph-Nathan, P. *et al, Spectrochim. Acta, Part A*, 1984, **40**, 347 (*F-19 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6610, 7572 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1090, 1091.

Flumethiazide, BAN, INN **F-00157**

6-Trifluoromethyl-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide. Ademil. Ademol. Fludemil

[148-56-1]



$C_8H_6F_3N_3O_4S_2$ M 329.268

Diuretic. Carbonic anhydrase inhibitor. Mp 305.4-307.8°.

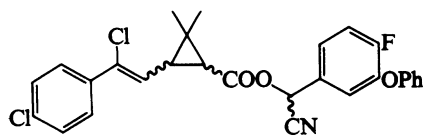
▷DK9800000.

Holdrege, C.T. *et al, J. Am. Chem. Soc.*, 1959, **81**, 4807 (*synth*)
Lund, J. *et al, Appl. Pharmacol. Toxicol.*, 1960, **16**, 297 (*pharmacol*)
Novello, F.C. *et al, J. Org. Chem.*, 1960, **25**, 970 (*synth*)
Poutsiaka, J.W. *et al, J. Pharmacol. Exp. Ther.*, 1960, **128**, 405 (*pharmacol*)
Yale, H.L. *et al, J. Am. Chem. Soc.*, 1960, **82**, 2042 (*synth, bibl*)

Flumethrin, BAN **F-00158**

Cyano[4-(fluoro-3-phenoxyphenyl)]methyl 3-[2-chloro-2-(4-chlorophenyl)ethenyl]-2,2-dimethylcyclopropanecarboxylate, 9CI. *α-Cyano-4-fluoro-3-phenoxybenzyl-3-(β,4-dichlorostyryl)-2,2-dimethylcyclopropane carboxylate. Bay VI 6045*

[69770-45-2]

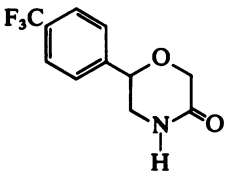


$C_{28}H_{22}Cl_2FNO_3$ M 510.391

Insecticide, ectoparasiticide. Oil.

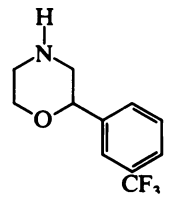
Ger. Pat., 2 730 515, (*1979*); *CA*, **90**, 151658e (*synth, pharmacol*)
Neuhauser, H., *Vet. Med. Rev.*, 1982, **115**, 158 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15321.

Flumetramide, USAN, INN **F-00159**
6-[4-(Trifluoromethyl)phenyl]-3-morpholinone, 9CI. 6-(α,α,α-Trifluoro-p-tolyl)-3-morpholinone, 8CI. Duraflex. McN 1546
[7125-73-7]



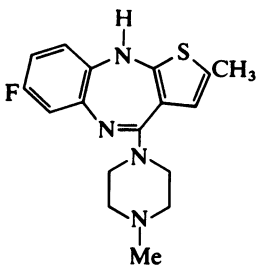
$C_{11}H_{10}F_3NO_2$ M 245.201
(±)-form
Skeletal muscle relaxant. Mp 115.5-116.5°.
U.S.P., 3 308 121, (*1967*); *CA*, **67**, 32693c (*synth*)

Flumexadol, INN **F-00160**
2-[3-(Trifluoromethyl)phenyl]-4-benzyltetrahydro-1,4-oxazine, 9CI. 2-(α,α,α-Trifluoro-m-tolyl)morpholine. CERM 1841
[30914-89-7]



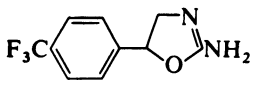
$C_{11}H_{12}F_3NO$ M 231.217
Intermed. in pharmaceutical manufacture, analgesic. Bp_{10} 132°.
▷RP6435250.
Fr. Pat., 95 182, (*1970*); *CA*, **74**, 88008v (*synth, pharmacol*)

Flumezapine, INN, BAN, USAN **F-00161**
7-Fluoro-2-methyl-4-(4-methyl-1-piperazinyl)-10H-thieno[2,3-b][1,5]benzodiazepine, 9CI. LY 120363
[61325-80-2]



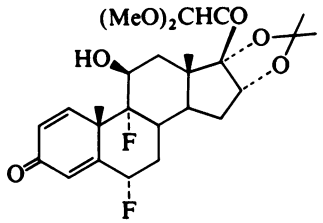
$C_{17}H_{19}FN_4S$ M 330.422
Tranquilliser, neuroleptic agent. Mp 168-170°.
Ger. Pat., 2 552 403, (*1976*); *CA*, **86**, 29893e (*synth, pharmacol*)
Chakrabarti, J.K. *et al*, *J. Med. Chem.*, 1980, **23**, 878 (*synth, pharmacol*)
Chakrabarti, J.K. *et al*, *J. Med. Chem.*, 1982, **25**, 1133 (*pharmacol*)
Rackman, D. *et al*, *Org. Magn. Reson.*, 1982, **18**, 243 (*cmr*)

Fluminorex, USAN, INN **F-00162**
4,5-Dihydro-5-[4-(trifluoromethyl)phenyl]-2-oxazolamine, 9CI. 2-Amino-5-(α,α,α-trifluoro-p-tolyl)-2-oxazoline, 8CI. McN 1231
[720-76-3]



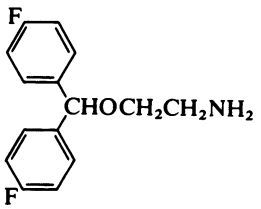
$C_{10}H_9F_3N_2O$ M 230.189
(±)-form
Anorexic agent. Mp 94-96°.
Poos, G.I. *et al*, *J. Med. Chem.*, 1963, **6**, 266 (*synth, pharmacol*)

Flumoxonide, USAN, INN **F-00163**
6α,9-Difluoro-11β-hydroxy-21,21-dimethoxy-16α,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, 9CI. RS 40584
[60135-22-0]



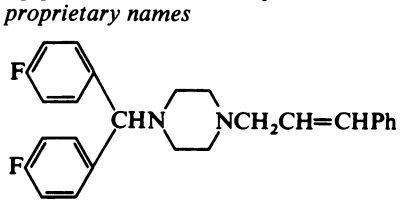
$C_{26}H_{34}F_2O_7$ M 496.547
Adrenocortical steroid. Antiinflammatory agent. Cryst. ($MeOH/CH_2Cl_2$). Mp 291-292°.
Ger. Pat., 2 630 270, (*1975*); *CA*, **86**, 140345s (*synth, pharmacol*)
Eur. Pat., 4 766, (*1979*); *CA*, **92**, 164173 (*synth, pharmacol*)

Flunamine, INN **F-00164**
2-[Bis(4-fluorophenyl)methoxy]ethanamine, 9CI
[50366-32-0]



$C_{15}H_{15}F_2NO$ M 263.286
Antiparkinsonian agent.
Maleate: [50376-81-3]. Mp 185-186°.
Ger. Pat., 2 311 067, (*1973*); *CA*, **79**, 136776w (*synth*)
Van Beek, M.C. *et al*, *J. Pharm. Pharmacol.*, 1974, **26**, 57 (*pharmacol*)

Flunarizine, BAN, INN, JAN **F-00165**
1-[Bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-propenyl)piperazine, 9CI. 4′,4″-Difluorocinnarizine. Numerous proprietary names



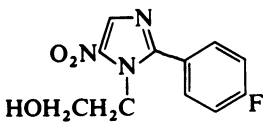
$C_{26}H_{26}F_2N_2$ M 404.502

(*E*)-*form* [52468-60-7]
Calcium antagonist, vasodilator.
B,2HCl: [30484-77-6]. *Flunarizine hydrochloride, USAN.* Cryst. (EtOH/2-propanol). Mp 251.5°.
▷TK9187000.

Ger. Pat., 2 220 242, (*1972*); *CA*, **78**, 29815r (*synth*)
Amery, W.K. *et al*, *Drugs Exp. Clin. Res.*, 1981, **7**, 1 (*pharmacol*)
Holmes, B. *et al*, *Drugs*, 1984, **29**, 6 (*rev, pharmacol*)
Marini, D. *et al*, *Boll. Chim. Farm.*, 1984, **123**, 133 (*struct, uv, ir*)
Xiang, M. *et al*, *CA*, 1985, **102**, 78835 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7382 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12759.

Flunidazole, USAN, INN F-00166

2-(4-Fluorophenyl)-5-nitro-1H-imidazole-1-ethanol, 9CI. 1-(2-Hydroxyethyl)-2-(4-fluorophenyl)-5-nitroimidazole. MK 915. 5 NI
[4548-15-6]

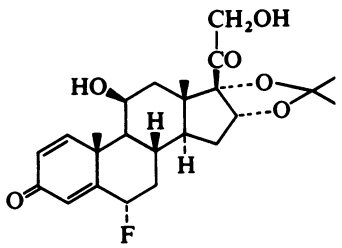


$C_{11}H_{10}FN_3O_3$ M 251.217
Antiprotozoal. Mp 166.5-167.5°.

Belg. Pat., 660 836, (*1965*); *CA*, **63**, 18097d (*synth*)
Cavier, R. *et al*, *Therapie*, 1972, **27**, 733 (*pharmacol*)
Grobowski, E.J. *et al*, *J. Med. Chem.*, 1974, **17**, 547 (*synth*)

Flunisolide, BAN, INN, USAN, JAN F-00167

6α-Fluoro-11β,21-dihydroxy-16α,17-[(1-methylethylidene)bis(oxy)]-1,4-pregnadiene-3,20-dione, 9CI. Aerobid. Bronalide. Bronilide. Locasyn. Lokilan. Lunis. Nasalide. Rhinalar. Sinaclin. Synaclyn. Syntaris. RS 3999
[3385-03-3]



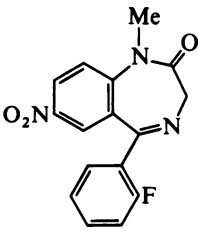
$C_{24}H_{31}FO_6$ M 434.504
Glucocorticoid drug.
▷TU3900000.

21-Ac: [4533-89-5]. ***Flunisolide acetate, USAN.*** *Fluoxolonate. RS 1320.*
$C_{26}H_{33}FO_7$ M 476.541
Glucocorticoid. Antiinflammatory. Cryst. (Me_2CO/hexane). Mp 266-268°. $[\alpha]_D$ +97° ($CHCl_3$).

Mills, J.S. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3399 (*acetate*)
U.S.P, 3 197 469, (*1965*); *CA*, **64**, 2145f (*synth*)
Owen, R.T., *Drugs of Today*, 1980, **16**, 248 (*rev*)
Tokes, L.C.D. *et al*, *Drug. Metab. Dispos.*, 1981, **9**, 485 (*metab*)
Ryzhkova, V.M. *et al*, *Khim.-Farm. Zh.*, 1982, **16**, 317 (*acetate*)
Takai, M. *et al*,*J. Pharmacobio-Dyn.*, 1982, **5**, 200 (*pharmacol*)
Tse, C.S.T. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1984, **4**, 334 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1092.

Flunitrazepam, BAN, USAN, INN F-00168

5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-2H-1,4-benzodiazepin-2-one, 9CI, 8CI. Rohypnol. Roipnol. Ro 5-4200. Other proprietary names
[1622-62-4]

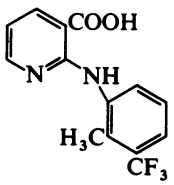


$C_{16}H_{12}FN_3O_3$ M 313.288
Hypnotic, muscle relaxant and anticonvulsant. Pale-yellow needles (CH_2Cl_2/hexane). Mp 166-167°.
▷DF2385000.

Sternbach, L.H. *et al*, *J. Med. Chem.*, 1963, **6**, 261 (*synth, pharmacol*)
Bond, A.J. *et al*, *Br. J. Clin. Pharmacol.*, 1975, **2**, 143 (*pharmacol*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Clarke, G.M. *et al*, *J. Chem. Res.* (*S*), 1980, 400 (*synth*)
Haran, R. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 1483 (*pmr, cmr*)
Mattila, M.A.K. *et al*, *Drugs*, 1980, **20**, 353 (*rev, pharmacol*)
Unterhalt, B., *Arch. Pharm.* (*Weinheim, Ger.*), 1981, **314**, 733 (*N-15 nmr*)
Butcher, H. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1469 (*cryst struct*)
Finner, E. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1984, **317**, 1050 (*pmr, conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3828 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4034.

Flunixin, BAN, INN, USAN F-00169

2-[[2-Methyl-3-(trifluoromethyl)phenyl]amino]-3-pyridinecarboxylic acid, 9CI. Sch 14714
[38677-85-9]



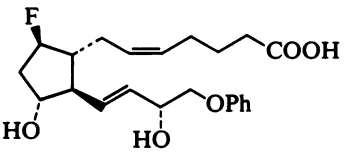
$C_{14}H_{11}F_3N_2O_2$ M 296.248
Antiinflammatory, analgesic. Vet. prod. Cryst. (Me_2CO/hexane). Mp 226-228°.
N-*Methylglucamine salt (1:1):* [42461-84-7]. *Flunixin meglumine, USAN. Banamine. Finadyne.* Cryst. (MeCN or EtOH/Et_2O). Mp 135-137°.

U.S.P., 3 891 761, (*1975*); *CA*, **83**, 120897h (*synth, pharmacol*)
Tobin, T., *J. Equine Med. Surg.*, 1979, **3**, 298 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12760.

Flunoprost, INN **F-00170**

7-[5-Fluoro-3-hydroxy-2-(3-hydroxy-4-phenoxy-1-butenyl)cyclopentyl]-5-heptenoic acid, 9CI. 11,15-Dihydroxy-9-fluoro-16-phenoxy-17,18,19,20-tetranor-5,13-prostadienoic acid. ZK 95377

[86348-98-3]



$C_{22}H_{29}FO_5$ M 392.467

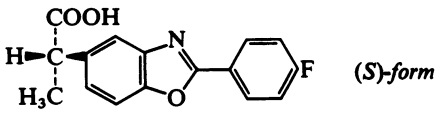
Prostaglandin. Oil.

Ger. Pat., 3 126 924, (*1983*); *CA*, **99**, 38289 (*synth, pharmacol*)

Flunoxaprofen, INN **F-00171**

2-(4-Fluorophenyl)-α-methyl-5-benzoxazoleacetic acid, 9CI. Priaxim

[51234-27-6]



(S)-form

$C_{16}H_{12}FNO_3$ M 285.274

▷DM4472000.

(S)-form [66934-18-7]

Analgesic, antiinflammatory agent. Cryst. (trichloroethylene). Mp 164-166°. $[\alpha]_D^{20}$ +50° (c, 0.7 in DMF).

(±)-form [73952-77-9]

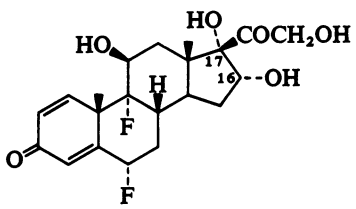
Cryst. (trichloroethylene). Mp 162-164°.

Ger. Pat., 3 325 672, (*1984*); *CA*, **100**, 209792 (*synth*)
Lampa, E. *et al*, *Drugs Exp. Clin. Res.*, 1985, **11**, 501 (*pharmacol*)
Pedrazzini, S. *et al*, *J. Chromatogr.*, 1987, **413**, 338 (*hplc*)
Bareggi, S.R. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 574 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16812.

Fluocinolone, BAN **F-00172**

6α,9α-Difluoro-11β,16α,17α,21-tetrahydroxy-1,4-pregnadiene-3,20-dione

[807-38-5]



$C_{21}H_{26}F_2O_6$ M 412.430

Antiinflammatory agent. Cryst. (EtOAc/MeOH). Mp 266-268°. $[\alpha]_D$ +43° (dioxan).

▷TU3830800.

16,17-Acetonide: [67-73-2]. ***Fluocinolone acetonide,*** *USAN, BAN, INN. Synalar. Synandrone. Fluonid. Synemol. Numerous proprietary names.*

$C_{24}H_{30}F_2O_6$ M 452.494

Glucocorticoid. Antiinflammatory agent. Cryst. (Me_2CO/hexane). Mp 265-266°, Mp 275-276° dec. $[\alpha]_D$ +95° ($CHCl_3$).

▷TU3830000.

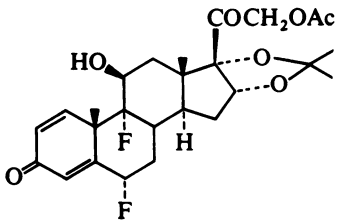
16,17-Acetonide, 21-Ac: see Fluocinonide, F-00173

Mills, J.S. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3399 (*synth*)
Coldman, M.F. *et al*, *J. Pharm. Sci.*, 1969, **48**, 1098.
Lodge, B.A. *et al*, *J. Pharm. Pharmacol.*, 1971, **23**, 196 (*ms*)
Takahashi, T. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 309 (*metab*)
Grinenko, G.S., *Khim.-Farm. Zh.*, 1986, **20**, 631 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7114 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1093.

Fluocinonide, BAN, USAN, INN **F-00173**

21-(Acetyloxy)-6α,9-difluoro-11β-hydroxy-16α,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, 9CI. 6α,9-Difluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone, 21-acetate, 8CI. Fluocinolide. Fluocinolone acetonide acetate. Lidex. Topsyn. Metosyn. Other proprietary names

[356-12-7]



$C_{26}H_{32}F_2O_7$ M 494.531

Corticosteroid, antiinflammatory drug. Cryst. (MeOH). Mp 308-311°. $[\alpha]_D$ +83° ($CHCl_3$).

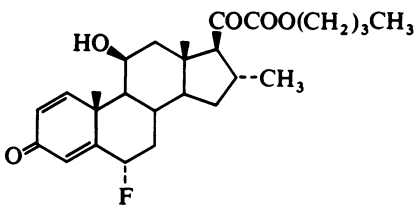
▷TU3831000.

B.P., 916 966, (*1963*); *CA*, **59**, 1716 (*synth*)
Ger. Pat., 2 448 548, (*1975*); *CA*, **84**, 90423b (*synth*)
Banfi, S. *et al*, *Curr. Ther. Res., Clin. Exp.*, 1976, **19**, 126 (*pharmacol*)
Joseph-Nathan, P. *et al*, *Spectrochim. Acta, Part A*, 1984, **40**, 347 (*F-19 nmr*)
Robinson, V.J. *et al*, *Steroids*, 1986, **48**, 267 (*pmr, cmr*)
Cho, S.I. *et al*, *Acta Crystallogr., Sect. B*, 1987, **43**, 917 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7425 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1094.

Fluocortin, INN **F-00174**

Fluocortolone-21-carboxylic acid

[33124-50-4]



$C_{22}H_{27}FO_5$ M 390.451

Glucocorticoid. Antiinflammatory. Mp 237.7° dec. $[\alpha]_D^{25}$ +200° (c, 0.5 in Py).

Bu ester: [41767-29-7]. ***Fluocortin butyl, BAN.*** *6α-Fluoro-11β-hydroxy-16α-methyl-3,20-dioxopregna-1,4-dien-21-oic acid butyl ester, 9CI. Varlane. Vaspit. FCB. SHK 203. Novoderm.*

$C_{26}H_{35}FO_5$ M 446.558

Antiinflammatory drug. Cryst. (Me_2CO/hexane). Mp 195.1°. $[\alpha]_D^{25}$ +136° (c, 0.5 in $CHCl_3$).

▷TU4155000.

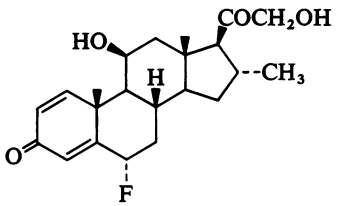
Laurent, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1975, **14**, 65.

Laurent, H. *et al*, *J. Steroid Biochem.*, 1975, **6**, 185 (*synth, pmr, pharmacol*)
Laurent, H. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 2185 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12761.

Fluocortolone, BAN, USAN, INN **F-00175**

6α-Fluoro-11β,21-dihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione. Colsipan. Syracort. Ultracur S. *Ultralan. SH 742*

[152-97-6]



$C_{22}H_{29}FO_4$ M 376.467

Antiinflammatory corticosteroid, freq. employed as 21-esters. Mp 188-190°. $[\alpha]_D^{20}$ +100° (dioxan).

▷TU3832500.

21-Ac:

$C_{24}H_{31}FO_5$ M 418.504

Mp 237-239°.

21-(2,2-Dimethylpropanoyl): [29205-06-9]. ***Fluocortolone pivalate**. Plastoderm.*

$C_{27}H_{37}FO_5$ M 460.585

Glucocorticoid. Antiinflammatory agent. Mp 187°.

21-Hexanoyl: [303-40-2]. ***Fluocortolone caproate, USAN**. Ultralen. SH 770.*

$C_{28}H_{41}FO_5$ M 476.627

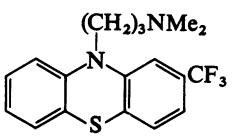
Glucocorticoid. Antiinflammatory agent. Mp 242-245°.

Breuer, H. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 50 (*pharmacol*)
Domenico, A. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 46 (*synth, pharmacol, deriv*)
Kieslich, K. *et al*, *Justus Liebigs Ann. Chem.*, 1969, **726**, 168 (*synth*)
Taeuber, U. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1984, **22**, 48 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1095, 1096, 1097.

Fluopromazine, BAN **F-00176**

N,N-Dimethyl-2-(trifluoromethyl)-10H-phenothiazine-10-propanamine, 9CI. 10-[3-(Dimethylamino)propyl]-2-(trifluoromethyl)phenothiazine, 8CI. ***Triflupromazine, INN, USAN**. Trifluoropromazine. Numerous proprietary names*

[146-54-3]



$C_{18}H_{19}F_3N_2S$ M 352.417

Tranquilliser. Neuroleptic. Antiemetic. Visc. oil. $Bp_{0.7}$ 176°.

▷SO8850000.

B,HCl: [1098-60-8]. *Triflupromazine hydrochloride, USAN. Vespral. Vesprin.* Mp 173-174°.

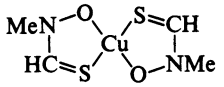
▷SO8925000.

Craig, P.N. *et al*, *J. Org. Chem.*, 1957, **22**, 709.
Yale, H.L. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4375.
Florey, K., *Anal. Profiles Drug Subst.*, 1973, **2**, 523 (*rev, synth, anal*)
Phelps, D.W. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2812 (*cryst struct*)
Patra, A. *et al*, *J. Indian Chem. Soc.*, 1982, **59**, 660 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4775.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7041.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2643.

Fluopsin *C* **F-00177**

Bis(N-hydroxy-N-methylmethanethioamidato-O,S)-copper, 9CI. Bis(N-methylthioformohydroxamato)-copper, 8CI. YC 73. Antibiotic YC 73

[31323-25-8]



$C_4H_8CuN_2O_2S_2$ M 243.785

Isol. from *Pseudomonas fluorescens*. Dark-green cryst. (EtOH). Mp 199° dec. λ_{max} 231, 253, 267, 320 and 365 nm (MeOH).

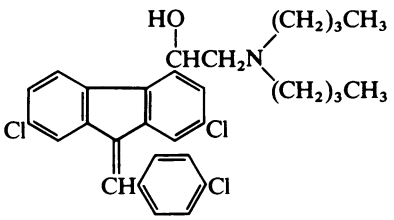
▷GL6490000.

Shirahata, K. *et al*, *J. Antibiot.*, 1970, **23**, 546 (*isol, struct*)
Egawa, Y. *et al*, *J. Antibiot.*, 1971, **24**, 124 (*struct, synth*)
Shirahara, K. *et al*, *J. Antibiot.*, 1971, **24**, 140 (*synth, ir, nmr*)
Taylor, D., *Cryst. Struct. Commun.*, 1978, **7**, 237 (*cryst struct*)
Bell, S.J. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 384 (*props*)

Fluorenemethanol **F-00178**

2,7-Dichloro-9-[(4-chlorophenyl)methylene]-α-[(dibutylamino)methyl]-9H-fluorene-4-methanol, 9CI

[82186-77-4]



$C_{30}H_{32}Cl_3NO$ M 528.948

(±)-form

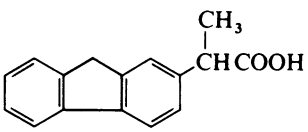
Antimalarial agent.

Wang, Y. *et al*, *CA*, 1982, **97**, 28538.

2-(2-Fluorenyl)propanoic acid **F-00179**

α-Methyl-9H-fluorene-2-acetic acid, 9CI. ***Cicloprofen, BAN, INN, USAN**. SQ 20824*

[36950-96-6]



$C_{16}H_{14}O_2$ M 238.285

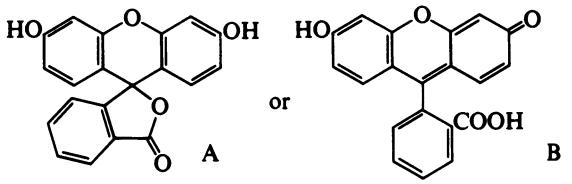
Analgesic, antiinflammatory agent. Mp 181-183°.

Stiller, E.T. *et al*, *J. Med. Chem.*, 1972, **15**, 1029 (*synth, pharmacol*)
Dean, A.V. *et al*, *Xenobiotica*, 1977, **7**, 549; 1978, **8**, 121 (*metab*)
Maitre, J.M. *et al*, *J. Chromatogr.*, 1984, **299**, 397 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2626.

Fluorescein, 8CI F-00180

3′,6′-Dihydroxyspiro[isobenzofuran-1(3H),9′-[9H]-xanthen]-3-one, 9CI. 9-(o-Carboxyphenyl)-6-hydroxy-3H-xanthen-3-one. Uranin. Resorcinolphthalein. CI 45350

[2321-07-5]



$C_{20}H_{12}O_5$ M 332.312

Fluorescent dye with numerous applications, e.g. as water-flow tracer and in cosmetics. Exists in at least two forms, yellow amorph. and red cryst., possibly also in third, orange, modification. Structure assignments may not be certain.

▷LM5075000.

Lactone (A)-form

Yellow amorph. solid. Sol. Me_2CO, MeOH, spar. sol. H_2O, EtOH, Et_2O, insol. pet ether. Mp 314-316° (sealed tube). Becomes cryst. on heating.

Me ether:

$C_{21}H_{14}O_5$ M 346.339

Mp 272°.

Et ether:

$C_{22}H_{16}O_5$ M 360.365

Mp 253-254°.

Quinonoid (B)-form

Red cryst. with green iridescence. Sol. hot formic acid, hot $PhNH_2$, hot Me_2CO, spar. sol. H_2O, EtOH, Et_2O, insol. pet. ether. Mp 314-316° dec. (sealed tube).

Me ester:

$C_{21}H_{14}O_5$ M 346.339

Red cryst. with green iridescence (MeOH). Spar. sol. org. solvs. Mp 282°.

Me ester, Me ether:

$C_{22}H_{16}O_5$ M 360.365

Orange-yellow needles or deep-red cryst. with metallic lustre (C_6H_6/MeOH). Mp 208°.

Et ester:

$C_{22}H_{16}O_5$ M 360.365

Green leaflets (EtOH). Spar. sol. EtOH, Me_2CO, AcOH, insol. H_2O. Mp 247°.

Et ester, Et ether:

$C_{24}H_{20}O_5$ M 388.419

Yellow needles (EtOH aq.). Mp 159°.

Et ester, Ac:

$C_{24}H_{18}O_6$ M 402.403

Mp 191°.

Di-Na salt: [518-47-8]. *Fluorescein sodium, BAN, USAN. Fundusein.* Diagnostic aid (corneal trauma indicator). Hygroscopic orange powder. Component of Fluress.

▷LM5425000.

Dodecanoyl: Fluorescein dilaurate, BAN. Pancrealauryl test. Diagnostic aid.

Orndorff, W.R. *et al, J. Am. Chem. Soc.*, 1927, **49**, 1272 (*bibl*)
Nagase, S. *et al, J. Pharm. Soc. Jpn.*, 1953, **73**, 1033.
Zanker, V. *et al, Chem. Ber.*, 1958, **91**, 572 (*tautom*)
Kirk-Othmer Encycl. Chem. Tech., 2nd Ed., 1970, Wiley, **22**, 432 (*rev*)
Colour Index, 3rd Ed., 1971, **4**, 4424 (*bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1956.

4-Fluorobenzenesulfonic acid F-00181

[368-88-7]

$C_6H_5FO_3S$ M 176.162

Anthelmintic for domestic animals. Also has insecticidal properties. Cryst. (C_6H_6). Mp 87°.

Chloride: [349-88-2].

$C_6H_4ClFO_2S$ M 194.608

Mp 35°. $Bp_{2.2}$ 95-96°.

Amide: [402-46-0].

$C_6H_6FNO_2S$ M 175.177

Cryst. (EtOH). Mp 126°.

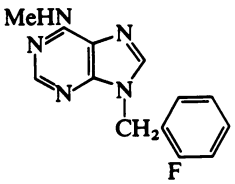
▷DB2630000.

Oláh, P., *Acta Chim. Acad. Sci. Hung.*, 1954, **4**, 111.
Taft, R.W. *et al, J. Am. Chem. Soc.*, 1963, **85**, 3146 (*nmr*)
Karavaev, B.I. *et al, CA*, 1972, **76**, 30438k (*uv*)

9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine F-00182

BW A78U

[101155-02-6]



$C_{13}H_{12}FN_5$ M 257.270

Orally-active anticonvulsant. Prisms (EtOAc/cyclohexane). Mp 154-155°.

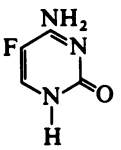
B,HCl: [101190-60-7]. Mp 255-259°.

Kelley, J.L. *et al, J. Heterocycl. Chem.*, 1986, **23**, 1189 (*synth*)
Kelley, J.L. *et al, J. Med. Chem.*, 1986, **29**, 1133 (*synth, pharmacol*)
Lisgarten, J.N. *et al, Acta Crystallogr., Sect. C*, 1988, **44**, 654 (*cryst struct*)

5-Fluorocytosine, 8CI F-00183

4-Amino-5-fluoro-2(1H)-pyrimidinone, 9CI. Flucytosine, BAN, INN, USAN. Fluocytosine. Alcobon. Ancobon. Ancotil. Ro 2-9915

[2022-85-7]



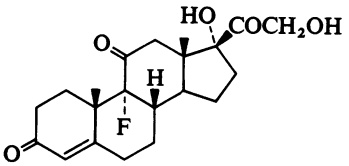
$C_4H_4FN_3O$ M 129.094

Antifungal agent. Mp 295-297° dec. pK_a 3.26.

▷HA6040000.

Duschinsky, R. *et al, J. Am. Chem. Soc.*, 1957, **79**, 4559 (*synth*)
Wempen, I. *et al, J. Am. Chem. Soc.*, 1964, **86**, 2474 (*uv*)
Undheim, K. *et al, Acta Chem. Scand.*, 1969, **23**, 294 (*synth*)
Utz, J.P., *Bull. N.Y. Acad. Med.*, 1975, **51**, 1103 (*rev, pharmacol*)
Robins, M.J. *et al, J. Am. Chem. Soc.*, 1976, **98**, 7381 (*synth*)
Waysek, E.H. *et al, Anal. Profiles Drug Subst.*, 1976, **5**, 115 (*rev*)
Scholar, H.J., *Antifungal Chemother.*, 1980, 35 (*rev*)
Louis, T. *et al, Cryst. Struct. Commun.*, 1982, **11**, 1059 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2582.

9-Fluoro-17,21-dihydroxy-4-pregnene-3,11,20-trione F-00184



$C_{21}H_{27}FO_5$ M 378.440

(9α,17α)-form

9α-Fluorocortisone. Alfluorone

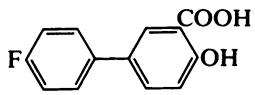
Potent glucocorticoid. Cryst. Mp 261-262°. $[\alpha]_D^{23}$ +144° (c, 0.41 in $CHCl_3$).

Fried, J. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1455 (*synth*)

4'-Fluoro-4-hydroxy-3-biphenylcarboxylic acid, 8CI F-00185

5-(4-Fluorophenyl)-2-hydroxybenzoic acid

[22510-33-4]



$C_{13}H_9FO_3$ M 232.211

Mp 204-208°.

Ac: [22494-27-5]. ***Flufenisal, USAN, INN.*** *MK 835.*

$C_{15}H_{11}FO_4$ M 274.248

Analgesic, antiinflammatory agent. Mp 134-137°.

Amide:

$C_{13}H_{10}FNO_2$ M 231.226

Mp 206-207°.

Et ester:

$C_{15}H_{13}FO_3$ M 260.264

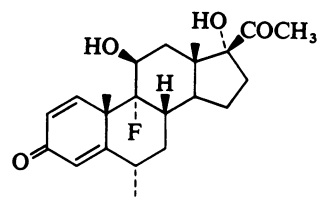
Mp 89-90°. $Bp_{0.5}$ 170-175°.

Rowe, H. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 509 (*synth*)
Fr. Pat., 1 522 570, (*1968*); *CA*, **71**, 30241 (*Flufenisal*)
Hannah, J. *et al*, *J. Med. Chem.*, 1978, **21**, 1093 (*synth, uv, ir*)
Gombar, V. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1226 (*Flufenisal*)

Fluorometholone, BAN, INN F-00186

9α-Fluoro-11β,17α-dihydroxy-6α-methyl-1,4-pregnadiene-3,20-dione. Cortilet. Delmeson. Efflumidex. Loticort. Oxylone. NSC 33001. Other proprietary names

[426-13-1]



$C_{22}H_{29}FO_4$ M 376.467

Glucocorticoid. Antiinflammatory agent. Cryst. (Me_2CO). Mp 292-303°.

17-Ac: [3801-06-7]. ***Fluorometholone acetate, USAN.*** *Omnitrol. U 17323.*

$C_{24}H_{31}FO_5$ M 418.504

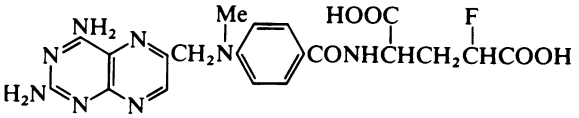
Glucocorticoid. Antiinflammatory agent. Cryst. (EtOAc/hexane). Mp 230-232°. $[\alpha]_D$ +50° (Py).

Stafford, R.O. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1959, **101**, 653 (*props*)
U.S.P., 2 867 638, (*1959*); *CA*, **53**, 9297 (*synth*)
Magerlein, B.J. *et al*, *J. Org. Chem.*, 1960, **25**, 1675 (*synth*)
B.P., 876 192, (*1962*); *CA*, **56**, 3548 (*synth*)
Toft, P. *et al*, *Can. J. Pharm. Sci.*, 1972, **7**, 53 (*ms*)
Yamauchi, H. *et al*, *Jpn. J. Pharmacol.*, 1979, **29**, 87 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6640 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1098.

Fluoromethotrexate F-00187

N-[*4*-[[(*2,4-Diamino-6-pteridinyl*)*methyl*]-*methylamino*]*benzoyl*]-*4-fluoroglutamic acid*, *9CI. FMTX*

[95755-20-7]



$C_{20}H_{21}FN_8O_5$ M 472.435

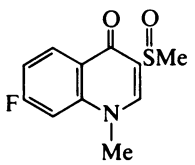
Antineoplastic agent. Mp 250° dec.

Galivan, J. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1985, **82**, 2598 (*synth, pharmacol*)
Tsushima, T. *et al*, *Heterocycles*, 1985, **23**, 45 (*synth, ir, pmr*)
McGuire, J.J. *et al*, *CA*, 1987, **106**, 60860 (*pharmacol, resoln*)

7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, 9CI F-00188

Flosequinan, BAN, INN. *BTS 49465*

[76568-02-0]



$C_{11}H_{10}FNO_2S$ M 239.264

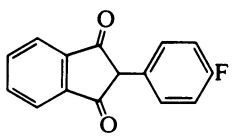
Vasodilator, antihypertensive agent. Cryst. Mp 226-228°.

B.P., 2 047 691, (*1980*); *CA*, **94**, 83968m (*synth*)
Cowley, A.J. *et al*, *J. Hypertens.*, 1984, **2**, 547 (*pharmacol*)
Kerth, P. *et al*, *J. Hypertens.*, 1986, **4**, S128 (*pharmacol*)
Smith, J.G. *et al*, *J. Cardiovasc. Pharmacol.*, 1986, **8**, 878 (*pharmacol*)
Slegowski, M.B. *et al*, *J. Chromatogr.*, 1988, **425**, 227 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18878.

2-(4-Fluorophenyl)-1,3-indanedione, 8CI F-00189

2-(4-Fluorophenyl)-1H-inden-1,3(2H)dione, 9CI. ***Fluindione, INN.*** *Previscan. LM 123*

[957-56-2]



$C_{15}H_9FO_2$ M 240.233

Anticoagulant. Mp 120°.

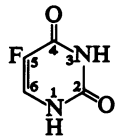
▷NK5700000.

Shapiro, S.L. *et al*, *J. Org. Chem.*, 1961, **26**, 3580 (*synth*)
Fontaine, L. *et al*, *Med. Pharmacol. Exp.*, 1967, **17**, 497 (*pharmacol*)
Perjessy, A. *et al*, *Tetrahedron*, 1971, **27**, 6159 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4815.

5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione, 9CI **F-00190**

5-Fluorouracil. NSC 19893. ***Fluorouracil,*** *BAN, INN, USAN. Numerous proprietary names*

[51-21-8]



$C_4H_3FN_2O_2$ M 130.078

Antineoplastic agent. Cryst. (H_2O). Mp 282-283° dec.

▷YR0350000.

1,3-Di-Me: [3013-92-1].
$C_6H_7FN_2O_2$ M 158.132
Cryst. Mp 128-130°.

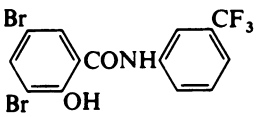
1-(2-Deoxy-β-D-ribofuranosyl): see 2'-Deoxy-5-fluorouridine, D-00079

Duschinsky, R. *et al, J. Am. Chem. Soc.*, 1957, **79**, 4559 (*synth*)
Hoffer, M. *et al, J. Am. Chem. Soc.*, 1959, **87**, 4112 (*synth*)
Robins, M.J. *et al, J. Am. Chem. Soc.*, 1971, **93**, 5277 (*synth, uv, nmr, ms*)
Cech, D. *et al, J. Prakt. Chem.*, 1973, **315**, 149 (*synth*)
Fallon, L., *Acta Crystallogr., Sect. B*, 1973, **29**, 2549 (*cryst struct*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 221 (*rev*)
Chung, W.K. *et al, J. Heterocycl. Chem.*, 1983, **20**, 457 (*synth*)
Fuchikami, T. *et al, Chem. Lett.*, 1984, 1573 (*synth*)
Valeriote, F. *et al, Pharmacol. Ther.*, 1984, **24**, 107 (*rev, pharmacol*)
Chandrasekaran, S. *et al, J. Org. Chem.*, 1985, **50**, 829 (*O-17 nmr*)
Morikawa, S. *et al, Nippon Kagaku Zaishi*, 1985, 2185; *CA*, **105**, 172147 (*synth*)
Leyland-Jones, B. *et al, Dev. Oncol.*, 1986, **47**, 131 (*rev, metab, pharmacol*)
Wasternack, C. *et al, Pharmazie*, 1987, **42**, 73 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 154 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1836.

Fluorosalan, USAN **F-00191**

*3,5-Dibromo-2-hydroxy-*N*-[3-(trifluoromethyl)-phenyl]benzamide,* 9CI. *3,5-Dibromo-α,α,α-trifluoro-*m*-salicylotoluidide,* 8CI. *3,5-Dibromo-3'-trifluoromethyl-salicylanilide.* ***Flusalan, INN.*** *Fluorophene*

[4776-06-1]



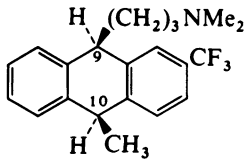
$C_{14}H_8Br_2F_3NO_2$ M 439.026

Disinfectant. Mp 161-163°.

U.S.P., 3 041 236, (*1962*); *CA*, **57**, 16763 (*synth, pharmacol*)
Lang, W.E. *et al, J. Soc. Cosmet. Chem.*, 1966, **17**, 355 (*pharmacol*)
Coburn, R.A. *et al, J. Med. Chem.*, 1981, **24**, 1245 (*synth, pharmacol*)

Fluotracen, INN **F-00192**

*9,10-Dihydro-*N,N,*10-trimethyl-2-(trifluoromethyl)-9-anthracenepropanamine,* 9CI



$C_{21}H_{24}F_3N$ M 347.423

(***9RS,10SR*)-*form** [35764-73-9]

(±)-cis-*form*

Tranquilliser, antidepressant.

▷CB0760000.

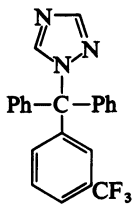
B,HCl: [57363-14-1]. *Fluotracen hydrochloride,* USAN. *SKF 28175.*

U.S.P., 3 622 630, (*1971*); *CA*, **76**, 59317f (*synth, pharmacol*)
Fowler, P.J. *et al, Arzneim.-Forsch.*, 1977, **27**, 1589 (*pharmacol*)
Itil, T.M. *et al, Curr. Ther. Res. Clin. Exp.*, 1977, **21**, 343 (*pharmacol*)
Chu, S.S.C. *et al, J. Chem. Soc., Chem. Commun.*, 1979, 491 (*abs config, cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12762.

Fluotrimazole, BSI **F-00193**

*1-[Diphenyl[3-(trifluoromethyl)phenyl]methyl]-1*H*-1,2,4-triazole,* 9CI. *1-(3-Trifluoromethyltrityl)-1,2,4-triazole. Persulon. BUE 0620*

[31251-03-3]



$C_{22}H_{16}F_3N_3$ M 379.384

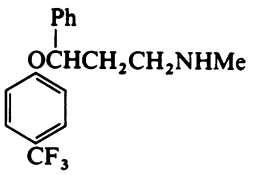
Agricultural fungicide. Cryst. Sol. CH_2Cl_2, cyclohexanone, toluene, v. spar. sol. H_2O. Mp 132°.

B.P., 1 237 509, (*1968*); *CA*, **74**, 100062t
Pesticide Manual, 6th Ed., 278.

Fluoxetine, BAN, USAN, INN **F-00194**

N-*Methyl-γ-[4-(trifluoromethyl)phenoxy]-benzenepropanamine,* 9CI. N-*Methyl-3-phenyl-3-(α,α,α-trifluoro-*p*-tolyloxy)propylamine. Prozac. Lilly 103472*

[57226-07-0]



$C_{17}H_{18}F_3NO$ M 309.331

(±)-***form*** [54910-89-3]

Antidepressant, blocker of serotonin uptake.

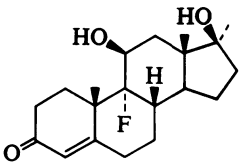
Oxalate: Cryst. (EtOAc/MeOH). Mp 179-182° dec.

U.S.P., 4 018 895, (*1977*); *CA*, **87**, 134520z (*synth, pharmacol*)
Lenberger, L. *et al, J. Clin. Psychiatry*, 1985, **46**, 14 (*pharmacol, metab*)
Hisrich, K.R. *et al, J. Pharm. Technol.*, 1987, **3**, 219 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12763.

Fluoxymesterone, BAN, INN **F-00195**

9α-Fluoro-11β,17β-dihydroxy-17α-methyl-4-androsten-3-one. Halotestin. Ultandren. Ora-Testryl. NSC 12165. Other proprietary names

[76-43-7]



$C_{20}H_{29}FO_3$ M 336.446

Anabolic androgen. Used in treatment of breast cancer. Cryst. Mp 270° dec. $[\alpha]_D$ +109° (EtOH).

▷BV8390000.

Herr, M.E. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 501 (*synth*)

Junkmann, K. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 214 (*pharmacol*)

Arnold, A. *et al*, *J. Endocrinol.*, 1963, **28**, 87 (*pharmacol*)

Novak, E. *et al*, *Curr. Ther. Res. Clin. Exp.*, 1974, **16**, 251 (*pharmacol*)

Kirschbaum, J., *Anal. Profiles Drug Subst.*, 1978, **7**, 251 (*rev*)

Duax, W.L. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 985 (*cryst struct*)

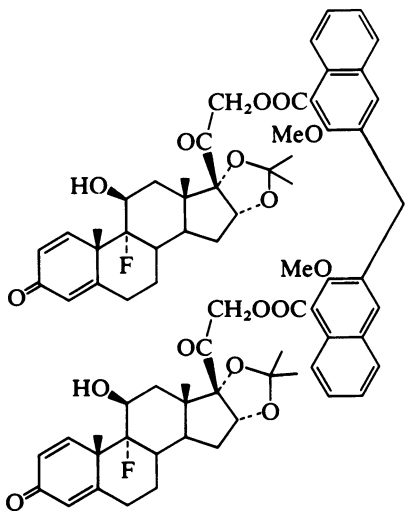
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5917 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9049.

Flupamesone **F-00196**

21,21′-[Methylenebis(2-methoxy-1,3-naphthalenediyl)-carbonyloxy]]bis[9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione], 9CI. Triamcinolone acetonide metembonate. Flutenal. UR 105

[55461-42-2]



$C_{73}H_{78}F_2O_{16}$ M 1249.406

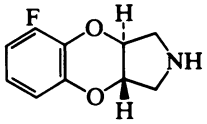
Glucocorticoid, antiinflammatory, antiallergic agent. Cryst. (Me_2CO aq.). Mp 220° dec.

Ger. Pat., 2 323 744, (*1974*); *CA*, **82**, 73313 (*synth, pharmacol*)

Fluparoxan, BAN, INN **F-00197**

5-Fluoro-2,3,3a,9a-tetrahydro-1H-[1,4]-benzodioxino[2,3-c]pyrrole, 9CI

[101389-86-0]



$C_{10}H_{10}FNO_2$ M 195.193

Antidepressant. α-Adrenoceptor antagonist.

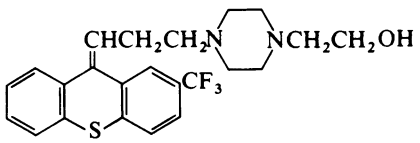
B,HCl: [101389-87-1]. *GR 50360A*. Cryst. (EtOH). Mp ca. 245°. Subl. above 210°.

B.P., 2 157 691, (*1985*); *CA*, **105**, 208896 (*synth, pharmacol*)

Flupenthixol, BAN **F-00198**

4-[3-[2-(Trifluoromethyl)-9H-thioxanthen-9-ylidene]-propyl]-1-piperazineethanol, 9CI. ***Flupentixol, INN.*** *Emergil. Metamin. Phrenixol. Siplaril. Siplarol. FX 703. LC 44. Lu 5-110. N 7009. SKF 10812*

[2709-56-0]



$C_{23}H_{25}F_3N_2OS$ M 434.519

▷TL9900000.

(E)-form [53772-85-3]

β-Flupenthixol

Almost inactive pharmacologically.

(Z)-form [53772-82-0]

α-Flupenthixol

The physiologically active isomer. Tranquilliser.

B,2HCl: [51529-01-2]. *Flupentixol dihydrochloride, JAN. Fluanxol.* Bitter-tasting yellow powder. Mp 236-240°.

Decanoyl: [30909-51-4]. ***Flupentixol decanoate***. *Depixol. Fluanxol-Depot. Lu 7-105.*

$C_{33}H_{43}F_3N_2O_2S$ M 588.770

Depot neuroleptic.

B.P., 925 538, (*1963*); *CA*, **59**, 12822d (*synth*)

Nymark, M. *et al*, *Acta Pharmacol. Toxicol.*, 1973, **32**, 353, 363 (*pharmacol, deriv*)

Post, M.L. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 2366, 2734 (*cryst struct*)

Van den Driessche, J. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 2121 (*pharmacol*)

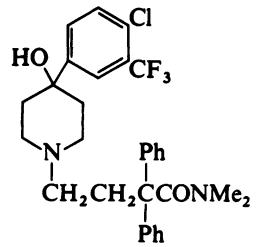
Matsuda, R. *et al*, *J. Chromatogr.*, 1979, **173**, 75 (*sepn*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7044, 7045.

Fluperamide, USAN, INN **F-00199**

4-[4-Chloro-3-(trifluoromethyl)phenyl]-4-hydroxy-N,N-dimethyl-α,α-diphenyl-1-piperidinebutanamide, 9CI. R 18910

[53179-10-5]



$C_{30}H_{32}ClF_3N_2O_2$ M 545.043

Antiperistaltic, antidiarrhoeal.

B,HCl: [34552-82-4]. Mp 215-216°.

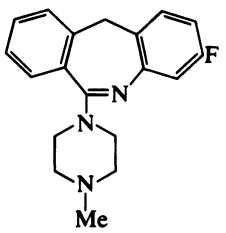
▷TM4960500.

Stokbroekx, R.A. *et al, J. Med. Chem.*, 1973, **16**, 782 (*synth, pharmacol*)

Fluperlapine **F-00200**

3-Fluoro-6-(4-methyl-1-piperazinyl)-11H-dibenz[b,e]-azepine, 9CI. 3-Fluoro-6-(4-methyl-1-piperazinyl)-morphanthridine. Fluoroperlapine

[67121-76-0]



$C_{19}H_{20}FN_3$ M 309.386

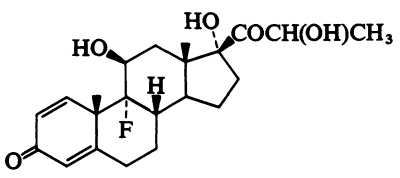
Antidepressant, neuroleptic agent. Cryst. Mp 118-119°.

Anon, *Res. Discl.*, 1979, **187**, 653 (*synth*)
U.S.P., 4 308 207, (*1981*); *CA*, **96**, 142894a (*synth, pharmacol*)
Matejcek, M. *et al, Arzneim.-Forsch.*, 1984, **34**, 114 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16814.

Fluperolone, BAN **F-00201**

9-Fluoro-11,17-dihydroxy-17-(2-hydroxy-1-oxopropyl)androsta-1,4-dien-3-one, 9CI. 9-Fluoro-11β,17α,21-trihydroxy-21-methyl-1,4-pregnadiene-3,20-dione

[3841-11-0]



$C_{22}H_{29}FO_5$ M 392.467

Glucocorticoid.

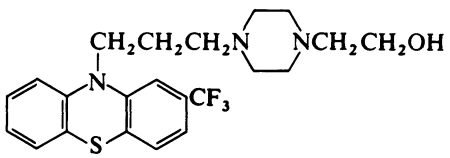
17-Ac: [2119-75-7]. **Fluperolone acetate,** *USAN, INN. Alacortril. Falban-Crena. Flu-Korti. Methral. P 1742.*
$C_{24}H_{31}FO_6$ M 434.504
Antiinflammatory agent. Mp 251-253°. $[\alpha]_D$ +87° ($CHCl_3$).

Angello, E.J. *et al, Experientia*, 1960, **16**, 357 (*synth*)
Angello, E.J. *et al, J. Org. Chem.*, 1963, **28**, 1531 (*synth*)
Child, K.J. *et al, Arch. Dermatol.*, 1968, **97**, 407 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1099.

Fluphenazine, BAN, INN **F-00202**

4-[3-[2-(Trifluoromethyl)-10H-phenothiazin-10-yl]-propyl]-1-piperazineethanol, 9CI. 10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-2-trifluoromethylphenothiazine. Flufenazine. NSC 62323. Numerous proprietary names

[69-23-8]



$C_{22}H_{26}F_3N_3OS$ M 437.522

Tranquilliser. Dark brown viscous oil. $Bp_{0.5}$ 268-274°.

▷TL9730000.

B,2HCl: [146-56-5]. *Fluphenazine hydrochloride, USAN. Prolixin. Moditen.* Cryst. (EtOH). Mp 235-237°.

▷TL9800000.

Heptanoyl: [2746-81-8]. **Fluphenazine enanthate,** *BAN, JAN, USAN. Other synonyms.*
$C_{29}H_{38}F_3N_3O_2S$ M 549.693
Neuroleptic. Yellow viscous liq.

▷MJ2450000.

Heptanoyl; B,HCl: Cryst. + $2H_2O$. Mp 184-185°.

Hexanoyl: [2376-43-4]. **Fluphenazine caproate.** *Mirenil prolongatum.*
$C_{28}H_{36}F_3N_3O_2S$ M 535.667
Neuroleptic.

Decanoyl: [5002-47-1]. **Fluphenazine decanoate,** *BAN. Dapotum D. Modecate. Moditen.*
$C_{32}H_{44}F_3N_3O_2S$ M 591.774
Neuroleptic. Pale yellow-orange visc. liq. Mp 30-32°.

▷HE0525000.

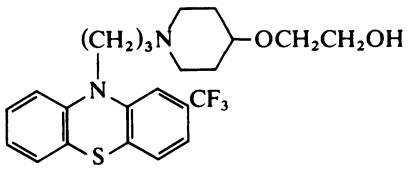
(2-Chloroethyl); B,2HCl: SKF 7172-A2.
$C_{22}H_{25}ClF_3N_3S$ M 455.968
Calmodulin antagonist. Mp 227-229°.

B.P., 829 246, (*1960*); *CA*, **54**, 17428
B.P., 833 473, (*1960*); *CA*, **54**, 21143
Yale, H.L. *et al, J. Am. Chem. Soc.*, 1960, **82**, 2039 (*synth*)
Ger. Pat., 1 165 602, (*1964*); *CA*, **60**, 15886 (*deriv*)
U.S.P., 3 194 733, (*1965*); *CA*, **64**, 5114 (*derivs*)
Florey, K., *Anal. Profiles Drug Subst.*, 1973, **2**, 245, 263 (*rev, enanthate*)
Curry, S.H. *et al, Br. J. Clin. Pharmacol.*, 1979, **7**, 325 (*metab*)
Kreyenbuehl, B. *et al, Pharm. Acta Helv.*, 1979, **54**, 197 (*uv, ir*)
Clarke, G., *Anal. Profiles Drug Subst.*, 1980, **9**, 275 (*rev, decanoate*)
Shetty, H.U. *et al, Biomed. Mass Spectrom.*, 1983, **10**, 601 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6546, 7787, 7963 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7046, 7047, 7048.

Flupimazine, INN **F-00203**

2-[[1-[3-[2-(Trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-4-piperidyl]oxy]ethanol, 9CI. *RU 17033*

[47682-41-7]



$C_{23}H_{27}F_3N_2O_2S$ M 452.534

Neuroleptic agent. Oil.

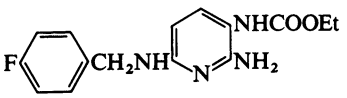
B,HCl: Cryst. (EtOH).

Fr. Pat., 2 176 527, (*1973*); *CA*, **80**, 95986q (*synth, pharmacol*)

Flupirtine, INN **F-00204**

Ethyl 2-amino-6-(4-fluorobenzylamino)-3-pyridylcarbamate, 8CI. *Katadolon*

[56995-20-1]



$C_{15}H_{17}FN_4O_2$ M 304.323

Analgesic, antiinflammatory agent. Mp 214-215°.

Maleate: [75507-68-5]. *Flupirtine maleate,* USAN. *W-2964M. D-9998.*

Fr. Pat., addn0306 (*to M6877*), (*1968*); *CA*, **78**, 71930z (*synth, pharmacol*)

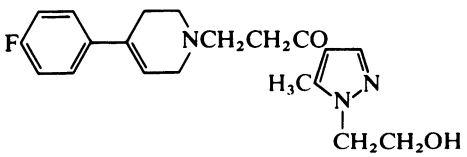
Von Bebenburg, W. *et al*, *Chem.-Ztg.*, 1979, **103**, 387 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18644.

Flupranone, INN **F-00205**

3-[4-(4-Fluorophenyl)-3,6-dihydro-1(2H)-pyridinyl]-1-[1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl]-1-propanone, 9CI. *Go 1507*

[21686-10-2]



$C_{20}H_{24}FN_3O_2$ M 357.427

Antihypertensive agent. Mp 147-148°.

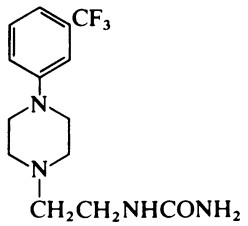
B,HCl: [21699-42-3]. Hemihydrate. Mp 108-110°.

South African Pat., 6 800 955, (*1968*); *CA*, **70**, 57831w (*synth, pharmacol*)

Fluprazine, INN **F-00206**

[2-[4-[3-(Trifluoromethyl)phenyl]-1-piperazinyl]-ethyl]urea, 9CI. *[2-[4-(α,α,α-Trifluoro-*m*-tolyl)-1-piperazinyl]ethyl]urea*

[76716-60-4]



$C_{14}H_{19}F_3N_4O$ M 316.326

Sedative, antiaggressive agent. Mp 143-145°.

B,HCl: [76716-77-3]. *DU 27716.* Mp 202-203°.

Methanesulfonate: [76716-78-4]. Mp 183.5-184°.

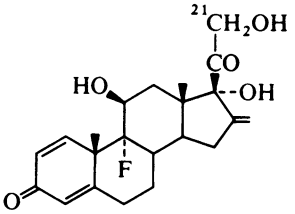
Eur. Pat., 15 615, (*1980*); *CA*, **94**, 103427q (*synth, pharmacol*)

Van der Poel, A.M. *et al*, *Pharmacol. Biochem. Behav.*, 1982, **17**, 147 (*pharmacol*)

Fluprednidene, BAN, INN **F-00207**

9α-Fluoro-11β,17,21-trihydroxy-16-methylenepregna-1,4-diene-3,20-dione, 9CI, 8CI. *Fluprednylidene*

[2193-87-5]



$C_{22}H_{27}FO_5$ M 390.451

Glucocorticoid, antiinflammatory agent. Mp 249-251°. $[\alpha]_D^{23}$ +29° (dioxan).

21-Ac: [1255-35-2]. *Corticoderm. Vobaderm. Decoderm. Emcortina. Emecort. Etacortin. Feldene* (*obsol.*). *StL 1106.*

$C_{24}H_{29}FO_6$ M 432.488

Glucocorticoid, antiinflammatory agent. Mp 231-234° $[\alpha]_D$ +43° ($CHCl_3$), +32° (dioxan).

Taub, D. *et al*, *J. Org. Chem.*, 1960, **25**, 2258 (*deriv*)

v. Werder, F. *et al*, *Tetrahedron Lett.*, 1960, L16, 21 (*synth*)

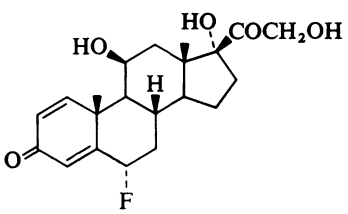
v. Werder, F. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 7 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1100.

Fluprednisolone, BAN, USAN, INN **F-00208**

6α-Fluoro-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione. 6-Fluoroprednisolone. Alphadrol. Etadrol. NSC 47439. Other proprietary names

[53-34-9]



$C_{21}H_{27}FO_5$ M 378.440

Glucocorticoid. Antiinflammatory agent. Mp 208-213°. $[\alpha]_D$ +92°.

21-Ac: [570-36-5]. ***Fluprednisolone acetate***. *Isopredon. Selectren retard.*

$C_{23}H_{29}FO_6$ M 420.477

Glucocorticoid. Antiinflammatory agent. Mp 235-237°. $[\alpha]_D$ +114° (dioxan).

17-Pentanoyl: [23257-44-5]. ***Fluprednisolone valerate, USAN***.

$C_{26}H_{35}FO_6$ M 462.557

Glucocorticoid. Antiinflammatory agent.

21-(3-Carboxypropanoyl): ***Fluprednisolone hemisuccinate***.

$C_{25}H_{31}FO_8$ M 478.514

Glucocorticoid. Antiinflammatory agent.

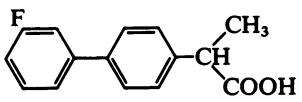
21-(3-Carboxypropanoyl), Na salt: [2992-68-9]. *Isopredon soluble. Selectren soluble.*

Bowers, A. *et al, J. Am. Chem. Soc.*, 1958, **80**, 4423 (*acetate*)
U.S.P., 2 841 600, (*1958*); *CA*, **52**, 20274 (*synth*)
B.P., 871 283, (*1961*); *CA*, **55**, 24834 (*succinate*)
Ger. Pat., 1 079 042, (*1961*); *CA*, **55**, 15551 (*synth*)
Ger. Pat., 1 088 487, (*1961*); *CA*, **55**, 15546 (*synth*)
Kuhnert-Brandstaetter, M. *et al, Microchem. J.*, 1972, **17**, 719 (*struct, uv*)
Toft, P. *et al, Can. J. Pharm. Sci.*, 1972, **7**, 53 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6219 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1101.

Fluprofen, BAN, INN F-00209

3'-Fluoro-α-methyl[1,1'-biphenyl]-4-acetic acid, 9CI. 2-(3'-Fluorobiphenyl-4-yl)propionic acid. BTS 17345. RD 17345

[17692-38-5]



$C_{15}H_{13}FO_2$ M 244.265

(±)-form

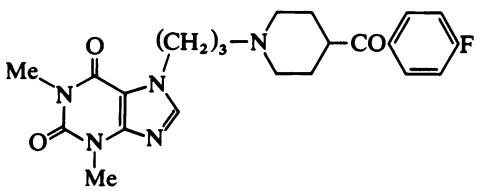
Analgesic, antiinflammatory agent. Mp 107-110°.

Greig, M.E. *et al, J. Med. Chem.*, 1975, **18**, 112 (*pharmacol*)
Ger. Pat., 2 646 792, (*1977*); *CA*, **87**, 67848 (*synth*)

Fluprofylline, INN F-00210

7-[3-[4-(4-Fluorobenzoyl)-1-piperidinyl]propyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-[3-[4-(p-Fluorobenzoyl)piperidinopropyl]]theophylline. Sgd 14480

[85118-43-0]



$C_{22}H_{26}FN_5O_3$ M 427.478

Antihistaminic, analeptic agent. Cryst. (EtOAc). Mp 114-119°.

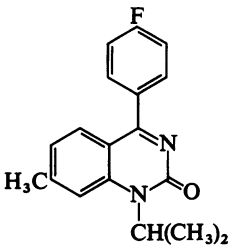
▷LD_{50} 790 mg/kg; oral, mice

Thiele, K. *et al, Arzneim.-Forsch.*, 1984, **34**, 1 (*synth, pharmacol*)

Fluproquazone, BAN, INN, USAN F-00211

4-(4-Fluorophenyl)-7-methyl-1-(1-methylethyl)-2(1H)quinazolinone, 9CI. 4-(p-Fluorophenyl)-1-isopropyl-7-methyl-2(1H)quinazolinone, 8CI. Fluoroproquazone. Tormosyl. RF 46-790. SaH 46-790

[40507-23-1]



$C_{18}H_{17}FN_2O$ M 296.344

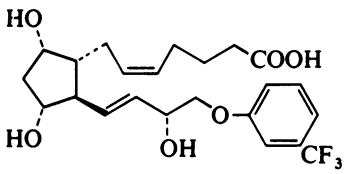
Analgesic, antiinflammatory agent. Mp 172-174°. Low toxicity in mice, rats and rabbits.

U.S.P., 3 937 705, (*1976*); *CA*, **84**, 135716t (*synth, pharmacol*)
Gfeller, J.C. *et al, J. Chromatogr.*, 1980, **198**, 162 (*hplc*)
Hill, R.C. *et al, Arzneim.-Forsch.*, 1981, **31**, 873 (*pharmacol*)
Ruettimann, G. *et al, Arzneim.-Forsch.*, 1981, **31**, 882 (*toxicol*)
Perrine, J.W. *et al, Arzneim.-Forsch.*, 1984, **34**, 879 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12765.

Fluprostenol, BAN, INN F-00212

7-[3,5-Dihydroxy-2-[3-hydroxy-4-[3-(trifluoromethyl)phenoxy]-1-butenyl]cyclopentyl]-5-heptenoic acid, 9CI. Alestrum. Equimate. ICI 81008

[40666-16-8]



$C_{23}H_{29}F_3O_6$ M 458.474

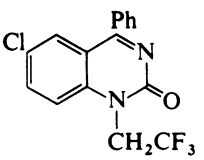
Potent luteolytic agent, related to $PGF_{2\alpha}$. Used as Na salt to treat infertility (Fluprostenol sodium, USAN).

Dukes, M. *et al, Nature (London)*, 1974, **250**, 330 (*pharmacol*)
Cooper, M.J. *et al, Vet. Rec.*, 1976, **98**, 523; *CA*, **85**, 87749c (*use*)
Bogan, J.A., *Med. Actual.*, 1977, **13**, 84 (*rev*)
Binder, D. *et al, Prostaglandins*, 1978, **15**, 773 (*synth*)
Chapman, D.I. *et al, Xenobiotica*, 1980, **10**, 715 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8087.

Fluquazone, USAN, INN F-00213

6-Chloro-4-phenyl-1-(2,2,2-trifluoroethyl)-2(1H)-quinazolinone, 9CI. EN 970

[37554-40-8]



$C_{16}H_{10}ClF_3N_2O$ M 338.716

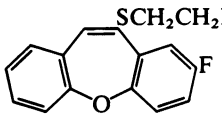
Antiinflammatory drug. Cryst. (EtOH). Mp 185-186°.

B.P., 1 307 202, (*1973*); *CA*, **78**, 136326d (*synth, pharmacol*)
Yamamoto, M. *et al, Chem. Pharm. Bull.*, 1978, **26**, 1633 (*synth*)

Fluradoline, INN **F-00214**

2-[(8-Fluorodibenz[b,f]oxepin-10-yl)thio]-N-methylethanamine, 9CI

[71316-84-2]



$C_{17}H_{16}FNOS$ M 301.378

Analgesic. Cryst. (Me_2CO/Et_2O/MeOH). Mp 135-136° (as maleate).

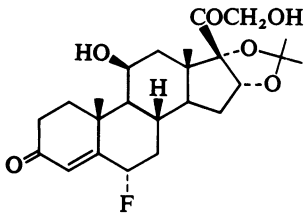
B,HCl: [77590-97-7]. *Fluradoline hydrochloride,* USAN. *HP 494. P 762494 A.*

Ong, H.H. *et al, J. Med. Chem.*, 1980, **23**, 494 (*synth, pharmacol*)
Spaulding, T. *et al, Drug. Dev. Res.*, 1985, **5**, 195, 207 (*pharmacol*)
Koch, H., *Pharm. Int.*, 1986, **7**, 27 (*rev*)

Flurandrenolone, BAN **F-00215**

6α-Fluoro-11β,21-dihydroxy-16α,17α-[(1-methylethylidene)bis(oxy)]-4-pregnene-3,20-dione, 9CI. ***Flurandrenolide, USAN.*** *Fludroxycortide,* INN. *Alondra* F. *Cordran. Drenison. Drocort. Haelan. Haldrone* F. *Sermaka. L 33379. LT 86*

[1524-88-5]



$C_{24}H_{33}FO_6$ M 436.520

Glucocorticoid. Antiinflammatory agent. Cryst. (Me_2CO/hexane). Mp 247-255°. $[\alpha]_D$ +145° ($CHCl_3$).

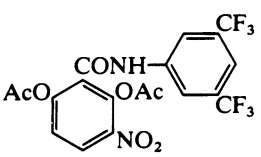
▷TU5024800.

Ger. Pat., 1 131 213, (*1963*); *CA*, **58**, 10281 (*synth*)
Iriarte, J. *et al, Tetrahedron*, 1967, **23**, 121 (*uv, pmr*)
Child, K.J. *et al, Arch. Dermatol.*, 1968, **97**, 407 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1102.

Flurantel, INN **F-00216**

2,6-Bis(acetyloxy)-N-[3,5-bis(trifluoromethyl)phenyl]-3-nitrobenzamide, 9CI. *2,6-Dihydroxy-3-nitro-3',5'-bis(trifluoromethyl)benzanilide diacetate*

[30533-89-2]



$C_{19}H_{12}F_6N_2O_7$ M 494.303

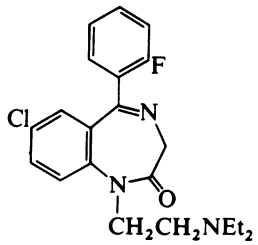
Anthelmintic. Cryst. (C_6H_6). Mp 170°.

Duewel, D. *et al, J. Med. Chem.*, 1973, **16**, 433 (*pharmacol*)
Ruschig, H. *et al, Arzneim.-Forsch.*, 1973, **23**, 1745 (*synth, pharmacol*)

Flurazepam, BAN, INN, JAN **F-00217**

7-Chloro-1-(2-diethylaminoethyl)-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one. NSC 78559. Numerous proprietary names

[17617-23-1]



$C_{21}H_{23}ClFN_3O$ M 387.884

Hypnotic drug, sedative. Rods. Mp 77-82°.

▷DF2368050.

B,2HCl: [1172-18-5]. *Flurazepam hydrochloride,* USAN, JAN. *Dalmane.* Mp 208-218°.

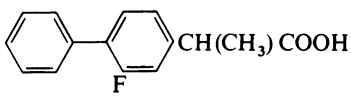
▷DF0875000.

Sternbach, L.H. *et al, J. Med. Chem.*, 1965, **8**, 815 (*synth*)
Schwartz, M.A. *et al, J. Med. Chem.*, 1968, **11**, 770 (*metab*)
Randall, L.O. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **178**, 216 (*pharmacol*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 307 (*rev*)
Scahill, T.A. *et al, Org. Magn. Reson.*, 1983, **21**, 621 (*N-15 nmr*)
Scahill, T.A. *et al, Magn. Reson. Chem.*, 1985, **23**, 280 (*pmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6090 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4035, 4036.

Flurbiprofen, BAN, USAN, INN, JAN **F-00218**

2-Fluoro-α-methyl-(1,1'-biphenyl)-4-acetic acid, 9CI. *2-(2-Fluoro-4-biphenyl)propionic acid. Froben. Numerous proprietary names*

[5104-49-4]



$C_{15}H_{13}FO_2$ M 244.265

(*R*)-form also known but shows less pharmacol. activity.

▷DU8341000.

(S)-form [51543-39-6]

Esflurbiprofen, BAN

(±)-form

Antiinflammatory agent.

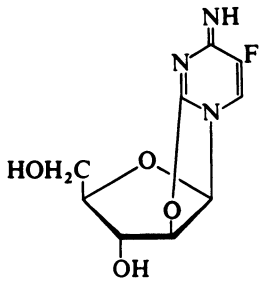
Cryst. (pet. ether). Mp 110-111°.

U.S.P., 3 755 427, (*1973*); *CA*, **79**, 104952j (*synth, pharmacol*)
Adams, S.S. *et al, Arzneim.-Forsch.*, 1975, **25**, 1786 (*pharmacol*)
Brogden, R.N. *et al, Drugs*, 1979, **18**, 417 (*rev, pharmacol*)
Maitre, J.M. *et al, J. Chromatogr.*, 1984, **299**, 397 (*hplc*)
Dai, G. *et al, CA*, 1985, **102**, 220521 (*synth*)
Kulmacz, R.J. *et al, J. Biol. Chem.*, 1985, **260**, 12572 (*pharmacol*)
Kaiser, D.G. *et al, Am. J. Med.*, 1986, **80**, 10 (*rev*)
Kantor, T.G., *Am. J. Med.*, 1986, **80**, 3 (*rev*)
U.S.P., 4 581 463, (*1986*); *CA*, **105**, 78673c (*synth, isomer*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3469 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2563.

Flurocitabine, BAN, INN **F-00219**

7-Fluoro-2,3,3a,9a-tetrahydro-3-hydroxy-6-imino-6H-furo[2',3':4,5]oxazolo[3,2-a]pyrimidine-2-methanol, 9CI. 2,2'-Anhydro-5-fluoro-1-β-D-arabinofuranosylcytosine. Fluoroancitabine. AAFC. NSC 166641. Ro 21-0702

[37717-21-8]



$C_9H_{10}FN_3O_4$ M 243.194

Antineoplastic agent.

▷HA5400000.

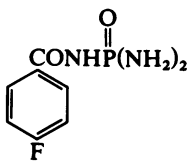
B,HCl: Cryst. (EtOH aq.). Mp 258-262° dec.

Kanai, T. *et al, J. Med. Chem.*, 1972, **15**, 1218 (*synth, pharmacol*)
Chou, T.-C. *et al, Cancer Treat. Rep.*, 1977, **61**, 617 (*metab*)
Mian, A.M. *et al, J. Med. Chem.*, 1979, **22**, 514 (*synth, pharmacol*)

Flurofamide, INN, USAN **F-00220**

N-(Diaminophosphinyl)-4-fluorobenzamide, 9CI. Flurfamide. EU-4534

[70788-28-2]



$C_7H_9FN_3O_2P$ M 217.139

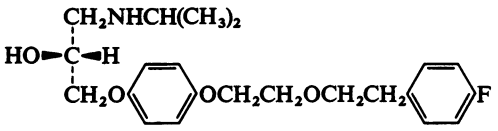
Urease inhibitor. Cryst. (H_2O). Mp >400°.

▷CV3458100.

U.S.P., 4 182 881, (*1980*); *CA*, **92**, 146458 (*synth*)

Flusoxolol, BAN, INN **F-00221**

1-[4-[2-[2-(4-Fluorophenyl)ethoxy]ethoxy]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, 9CI. Ro 31-1411



(R)-form

$C_{22}H_{30}FNO_4$ M 391.482

(R)-form

Fumarate: [86901-91-9]. Mp 109-110°. $[\alpha]_D^{20}$ +12.0° (c, 1.0 in H_2O).

(S)-form [84057-96-5]

Beta-adrenergic blocking agent.

Fumarate: [86901-89-5]. Mp 107-110°. $[\alpha]_D^{20}$ −11.6° (c, 1.0 in H_2O).

(±)-form

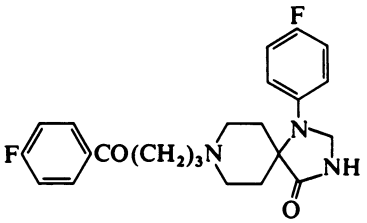
B,HCl: [86941-25-5]. Mp 88-92°.

Machin, P.J. *et al, J. Med. Chem.*, 1983, **26**, 1570 (*synth, pharmacol*)

Fluspiperone, USAN, INN **F-00222**

1-(4-Fluorophenyl)-8-[4-(4-fluorophenyl)-4-oxobutyl]-1,3,8-triazaspiro[4.5]decan-4-one, 9CI. R 28930

[54965-22-9]



$C_{23}H_{25}F_2N_3O_2$ M 413.466

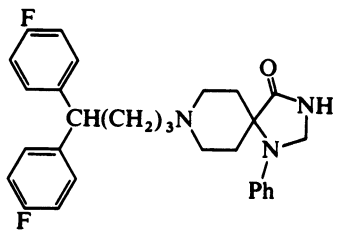
Tranquilliser. Neuroleptic.

Seeman, P. *et al, Nature (London)*, 1976, **261**, 717 (*pharmacol*)

Fluspirilene, BAN, INN **F-00223**

8-[4,4-Bis(4-fluorophenyl)butyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, 9CI, 8CI. Spirodiflamin. Imap. Redeptin. McN JR 6218. JR 6218

[1841-19-6]



$C_{29}H_{31}F_2N_3O$ M 475.580

Tranquilliser. Yellow powder or cryst. Mp 187.5-190°.

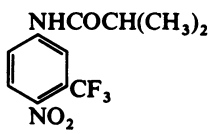
▷XX8750000.

U.S.P., 3 238 216, (*1966*); *CA*, **65**, 8924d (*synth*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1970, **20**, 1689 (*pharmacol*)
Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7049.

Flutamide, BAN, INN, USAN **F-00224**

2-Methyl-N-[4-nitro-3-(trifluoromethyl)phenyl]-propanamide, 9CI. α,α,α-Trifluoro-2-methyl-4'-nitro-m-propionotoluidide, 8CI. Cebratrol. Drogenil. Eulexin. Flucinom. Fugerel. Niftolide. Sebatrol. Sch 13521

[13311-84-7]



$C_{11}H_{11}F_3N_2O_3$ M 276.215

Antiandrogen. Mp 111.5-112.5°.

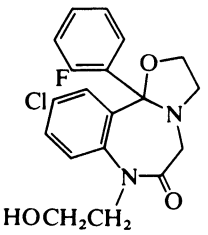
▷UG5700000.

Baker, J.W. *et al, J. Med. Chem.*, 1967, **10**, 93 (*synth*)
Neri, R.O. *et al, J. Steroid Biochem.*, 1975, **6**, 815 (*pharmacol*)
Katchen, B. *et al, J. Invest. Dermatol.*, 1976, **66**, 379 (*metab*)
Koch, H., *Drugs of Today*, 1984, **20**, 561 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9050.

Flutazolam, INN **F-00225**

*10-Chloro-11*b-(o-*fluorophenyl*)-*2,3,7,11*b-*tetrahydro-7-(2-hydroxyethyl)oxazolo*[*3,2*-d] [*1,4*]*benzodiazepin-6*(5H)-*one*, 8CI. *Coreminal. MS 4101. Ro 7-6102*

[27060-91-9]



$C_{19}H_{18}ClFN_2O_3$ M 376.814

Sedative. Cryst. (CH_2Cl_2/hexane). Mp 183-184°.

▷RQ5831400.

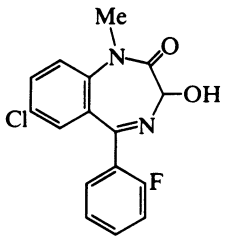
Ger. Pat., 1 952 486, (*1970*); *CA*, **73**, 25542y (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16815.

Flutemazepam, INN **F-00226**

*7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2*H-*1,4-benzodiazepin-2-one*, 9CI

[52391-89-6]



$C_{16}H_{12}ClFN_2O_2$ M 318.734

▷DF2370300.

(±)-***form***

Anxiolytic, muscle relaxant. Mp 162-164°.

Babbini, M. *et al*, *Pharmacology*, 1974, **12**, 74 (*pharmacol*)

Ger. Pat., 2 338 058, (*1974*); *CA*, **80**, 121016v (*synth*)

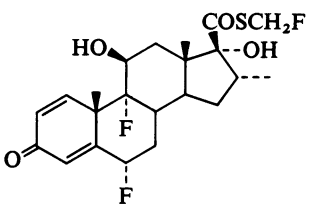
Borea, P.A., *Arzneim.-Forsch.*, 1983, **33**, 1086.

Middleton, W.J. *et al*, *J. Fluorine Chem.*, 1983, **23**, 557 (*synth*)

Fluticasone, BAN, INN **F-00227**

Fluoromethyl 6,9-difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate, 9CI

[90566-53-3]



$C_{22}H_{27}F_3O_4S$ M 444.508

Fluoro-analogue of Cloticasone, C-00509 .

Corticosteroid, antiinflammatory agent.

17-Propanoyl: [80474-14-2]. ***Fluticasone propionate, USAN.*** *CCI 18781.*

$C_{25}H_{31}F_3O_5S$ M 500.572

Antiinflammatory agent. Cryst. (EtOAc). Mp 272-273°. $[\alpha]_D$ +30°.

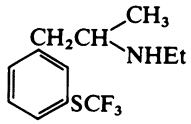
B.P., 2 088 877, (*1981*); *CA*, **96**, 163044p (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18646.

Flutiorex **F-00228**

N-*Ethyl-α-methyl-3-*[(*trifluoromethyl*)*thio*]-*benzeneethanamine*, 9CI. N-*Ethyl-α-methyl*-m-[(*trifluoromethyl*)*thio*]*phenethylamine. SL 72340*

[59173-25-0]



$C_{12}H_{16}F_3NS$ M 263.320

(+)-***form*** [53993-67-2]

Tiflorex, INN

Anorectic agent.

Kirby, M.J. *et al*, *Br. J. Clin. Pharmacol.*, 1975, **2**, 541 (*pharmacol*)

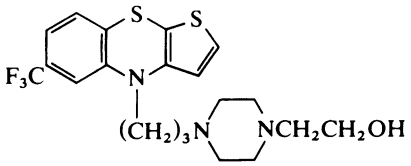
Bianchetti, G. *et al*, *J. Chromatogr.*, 1978, **152**, 87 (*glc, ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12766.

Flutizenol, INN **F-00229**

4-[*3-*[*6-*(*Trifluoromethyl*)-*4*H-*thieno*[*2,3*-b] [*1,4*]-*benzothiazin-4-yl*]*propyl*]-*1-piperazineethanol*, 9CI. *NR 286*

[10202-40-1]



$C_{20}H_{24}F_3N_3OS_2$ M 443.544

Neuroleptic.

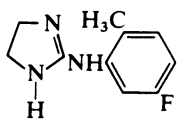
Maleate (*1:2*): Mp 163-165° dec.

Netherlands Pat., 6 513 059, (*1966*); *CA*, **65**, 15401f (*synth, pharmacol*)

Flutonidine, INN **F-00230**

N-(*5-Fluoro-2-methylphenyl*)-*4,5-dihydro-1*H-*imidazol-2-amine*, 9CI. *2-*(*5-Fluoro*-o-*toluidino*)-*2-imidazoline*, 8CI. *ST 600*

[28125-87-3]



$C_{10}H_{12}FN_3$ M 193.223

Antihypertensive agent. Mp 119-121°.

B,HCl: [16822-88-1]. Mp 169-170°.

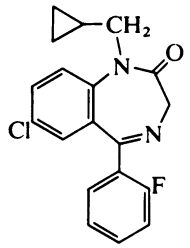
Netherlands Pat., 6 613 829, (*1967*); *CA*, **68**, 39624k (*synth, pharmacol*)

Laverty, R., *Eur. J. Pharmacol.*, 1970, **9**, 163 (*pharmacol*)

Flutoprazepam, INN **F-00231**

7-Chloro-1-(cyclopropylmethyl)-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one, 9CI. *Restas. KB 509*

[25967-29-7]



$C_{19}H_{16}ClFN_2O$ M 342.800

Tranquilliser, antiulcer agent.

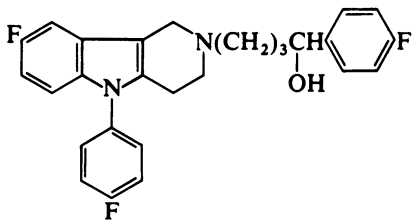
▷DF0650000.

South African Pat., 6 806 061, (*1969*); *CA*, **72**, 90541r (*synth, pharmacol*)

Flutroline, USAN, INN **F-00232**

8-Fluoro-α,5-bis(5-fluorophenyl)-1,3,4,5-tetrahydro-2H-pyrido[4,3-b]indole-2-butanol, 9CI. *CP 36584*

[70801-02-4]



$C_{27}H_{25}F_3N_2O$ M 450.503

Tranquilliser.

B,HCl: [58038-94-1]. Cryst. (MeOH). Mp 249-250°.

Bordner, J. *et al*, *Cryst. Struct. Commun.*, 1980, **9**, 799 (*cryst struct*)

Harbert, C.A. *et al*, *J. Med. Chem.*, 1980, **23**, 635 (*synth, pharmacol*)

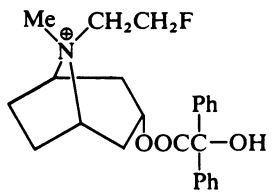
Kriegelstein, J. *et al*, *Biochem. Pharmacol.*, 1980, **29**, 63 (*pharmacol*)

Falkner, F.C. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 482 (*ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12767.

Flutropium(1+) **F-00233**

8-(2-Fluoroethyl)-3-[(hydroxydiphenylacetyl)oxy]-8-methyl-8-azoniabicyclo[3.2.1]octane, 9CI



$C_{24}H_{29}FNO_3^{\oplus}$ M 398.496 (ion)

Anticholinergic and bronchospasmolytic agent.

Bromide: [63516-07-4]. *Flutropium bromide,* INN. *Ba 598Br.*

$C_{24}H_{29}BrFNO_3$ M 478.400

Cryst. (Me_2CO/EtOH or Me_3CN). Mp 198-199° dec. (192-193° dec.).

Yanaura, S. *et al*, *Jpn. J. Pharmacol.*, 1983, **33**, 971 (*pharmacol*)

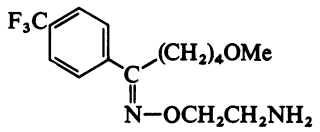
Banholzer, R. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1161 (*synth*)

Bauer, R. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1348 (*pharmacol*)

Kiel, G., *Arzneim.-Forsch.*, 1986, **36**, 1166 (*cryst struct*)

Fluvoxamine, BAN, INN **F-00234**

5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone O-(2-aminoethyl)oxime, 9CI. *5-Methoxy-4′-trifluoromethylvalerophenone (2-aminoethyl)oxime*



$C_{15}H_{21}F_3N_2O_2$ M 318.338

***(E)*-form** [54739-18-3]

Antidepressant.

Maleate: [61718-82-9]. *Fevarin. Floxyfral. Myroxim. DU 23000. MK 264.* Mp 120-121.5°.

B.P., 1 535 226, (*1976*); *CA*, **86**, 72203 (*synth*)

Claasen, V. *et al*, *Br. J. Pharmacol.*, 1977, **60**, 505 (*pharmacol*)

De Jong, G.J., *J. Chromatogr.*, 1980, **183**, 203 (*hplc*)

Claassen, V., *Br. J. Clin. Pharmacol., Suppl. 3*, 1983, **15**, 349 (*rev*)

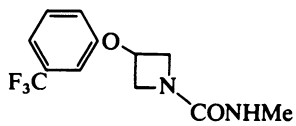
Ruijten, H.M. *et al*, *Drug Metab. Dispos.*, 1984, **12**, 82 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12768.

Fluzinamide, INN, USAN **F-00235**

N-Methyl-3-[3-(trifluoromethyl)phenoxy]-1-azetidinecarboxamide, 9CI. *AHR-8559*

[76263-13-3]



$C_{12}H_{13}F_3N_2O_2$ M 274.242

Anticonvulsant, antiepileptic. Cryst. (EtOH aq.). Mp 145-147°.

U.S.P., 4 226 861, (*1980*); *CA*, **94**, 47118a (*synth, pharmacol*)

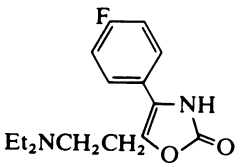
Albertson, T.E. *et al*, *Epilepsia (N.Y.)*, 1984, **25**, 511 (*pharmacol*)

Osman, M.A. *et al*, *J. Chromatogr.*, 1984, **336**, 329 (*metab, hplc*)

Fluzoperine, INN **F-00236**

5-[2-(Diethylamino)ethyl]-4-(4-fluorophenyl)-2(3H)-oxazolone, 9CI

[52867-77-3]



$C_{15}H_{19}FN_2O_2$ M 278.326

Antidepressant, antiarrhythmic agent. Liq. $Bp_{0.01}$ 155-157°.

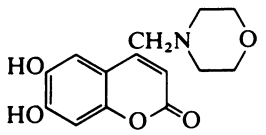
Maleate: [52867-78-4]. Mp 148°.

Fr. Pat., 2 215 223, (*1974*); *CA*, **82**, 73002f (*synth, pharmacol*)

Folescutol, INN **F-00237**

6,7-Dihydroxy-4-(4-morpholinylmethyl)-2H-1-benzopyran-2-one, 9CI. 6,7-Dihydroxy-4-(morpholinomethyl)coumarin, 8CI. LD2988

[15687-22-6]



$C_{14}H_{15}NO_5$ M 277.276

Capillary protectant. Mp 232°.

B,HCl: [36002-19-4]. *Covalan. LD 2988.* Mp 259-261°.

B,HI: Mp 228°.

Fr. Pat., M2035, (*1963*); *CA*, **60**, 4114b (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12769.

Follitropin **F-00238**

Follicle stimulating hormone. FSH. Luteoantine. Thylakentrin

[9002-68-0]

M ca. 36,000

Gonadotropic hormone found in pituitary tissue of man, horse, pig and sheep. Regulates metabolic activity of the ovary and testis. Solid. Sol. H_2O. Isoelectric point 4.5.

▷LP6330000.

Fraenkel-Conrat, H.L. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1940, **45**, 627 (*isol, purifn*)

Greep, R.O. *et al*, *J. Biol. Chem*, 1940, **133**, 289 (*purifn*)

McShan, W.H. *et al*, *J. Biol. Chem*, 1940, **135**, 473 (*isol*)

Li, C.H. *et al*, *Science*, 1949, **109**, 445 (*isol*)

Guidice, L.C. *et al*, *Struct. Funct. Gonadotropins*, 1978, 81 (*rev, conformn*)

Ramachandran, J. *et al*, *Annu. Rev. Clin. Biochem.*, 1980, **1**, 287 (*rev, biochem*)

Fiddes, J.C. *et al*, *J. Mol. Appl. Genet.*, 1981, **1** 3 (*cloning*)

Rathnam, P., *Basic Clin. Endocrinol.*, 1981, **1**, 21 (*rev, activity*)

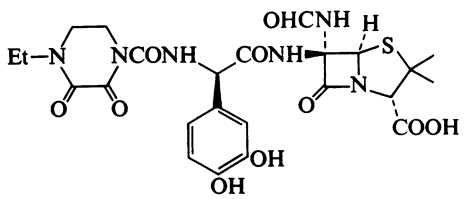
Garnier, J., *Ann. Endocrinol.*, 1984, **45**, 243 (*rev, props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5930.

Fomidacillin, INN **F-00239**

6-[[(3,4-Dihydroxyphenyl)[[(4-ethyl-2,3-dioxo-1-piperazinyl)carbonyl]amino]acetyl]amino]-6-(formylamino)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid, 9CI. Formidacillin

[98048-07-8]



$C_{24}H_{28}N_6O_{10}S$ M 592.579

Antibiotic. Used mainly as Na salt.

Na salt: [86117-56-8]. *BRL 36650A.*

Eur. Pat., 71 395, (*1983*); *CA*, **99**, 105050p (*synth, pharmacol*)

Milner, P.H. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 1335 (*synth*)

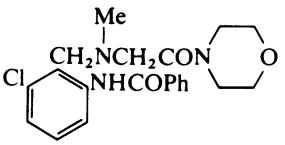
Guest, A.W. *et al*, *J. Antibiot.*, 1986, **39**, 1498 (*pharmacol*)

Van Landuyt, H.W. *et al*, *Antimicrob. Agents Chemother.*, 1986, **29**, 362, 757, 769, 972 (*pharmacol*)

Fominoben, INN **F-00240**

N-[*3-Chloro-2-[[methyl[2-(4-morpholinyl)-2-oxoethyl]amino]methyl]phenyl]benzamide, 9CI. Chloro-α-[methyl[(morpholinocarbonyl)methyl]amino]-o-benzotoluidide, 8CI*

[18053-31-1]



$C_{21}H_{24}ClN_3O_3$ M 401.892

Antitussive, respiratory stimulant. Mp 122.5-123°.

B,HCl: [24600-36-0]. *Noleptan. Oleptan. PB 89. Broncomenal. Deronyl. Finaten. Tasadox. Terion. Tosifar. Tussirama.* Mp 206-208° dec.

▷DM0450000.

Heitmann, J., *Arzneim.-Forsch.*, 1973, **23**, 329 (*pharmacol*)

Krüger, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 290 (*synth*)

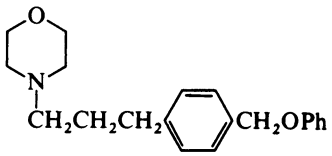
Zimmer, A., *Arzneim.-Forsch.*, 1973, **23**, 1798 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5620.

Fomocaine, BAN, INN **F-00241**

4-[3-[4-(Phenoxymethyl)phenyl]propyl]morpholine, 9CI. 4-[3-[α-Phenoxy-p-tolyl)propyl]morpholine, 8CI. Erbocain. Panacain. P 652

[17692-39-6]



$C_{20}H_{25}NO_2$ M 311.423

Local anaesthetic. Cryst. (pet. ether). Mp 52-53°. $Bp_{1.1}$ 238-240°.

▷QE8480000.

Oelschlaeger, H. *et al*, *Arzneim.-Forsch.*, 1959, **9**, 313; 1977, **27**, 1625; 1978, **28**, 956; 1979, **29**, 693 (*synth, metab, pharmacol*)

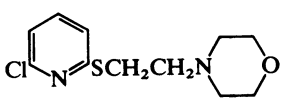
Temple, D.J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1977, **310**, 579 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7628.

Fopirtoline, INN **F-00242**

4-[2-[(6-Chloro-2-pyridinyl)thio]ethyl]morpholine, 9CI. D 1126

[22514-23-4]



$C_{11}H_{15}ClN_2OS$ M 258.765

Analgesic.

▷QE0490000.

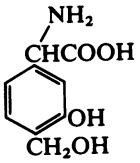
B,HCl: Mp 163-165°.

Belg. Pat., 630 125, (*1963*); *CA*, **60**, 14515 (*synth, props*)

B.P., 1 132 933, (*1968*); *CA*, **70**, 31681 (*use*)

Forfenimex, INN **F-00243**

α-Amino-3-hydroxy-4-(hydroxymethyl)benzene acetic acid, 9CI. *2-(3-Hydroxy-4-hydroxymethylphenyl)-glycine. Forfenicinol. FPH*



$C_9H_{11}NO_4$ M 197.190

(±)-*form* [73036-69-8]

Antineoplastic agent, immunopotentiator. Cryst. (H_2O). Mp >200° dec.

N-*Ac:* [72973-10-5].
$C_{11}H_{13}NO_5$ M 239.227
Cryst. (H_2O). Mp 185° dec.

Morishima, H. *et al, J. Antibiotics,* 1982, **35**, 1042, 1049, 1500; 1986, **39**, 564 (*synth, pharmacol*)
Okhara, N. *et al, Biomed. Pharmacother.,* 1987, **41**, 425 (*pharmacol*)

Formaldehyde, 9CI, 8CI, BAN, USAN **F-00244**

Methanal. Formitrol. Formol. Veracur

[50-00-0]

HCHO

CH_2O M 30.026

Intermed. in the production of resins. The 40% aq. soln. known as formalin is a disinfectant, antiseptic and preservative. Used in manuf. of Pentaerythritol, Hexamethylenetetramine and 1,4-Butanediol. Gas with pungent, suffocating odour. V. sol. H_2O, sol. most org. solvs. except pet. ether. Mp −92°. Bp −21°, Bp_{400} −33°. Stable at temps. below −30°. With conc. H_2O_4 → polyoxymethylene. With phenol → phenol-formaldehyde resins.

▷Highly toxic and irritant. LP8925000.

Anhyd. polymer: [9002-81-7]. *Polyoxymethylene.* Obtd. by polymerisation of formaldehyde soln. with H_2SO_4. Mp 170-172°. Polyoxymethylene is also an old name for Paraformaldehyde.

Polymer: [30525-89-4]. *Paraformaldehyde. Paraform.*
C_{H2O} M 30.026
Obtd. by evaporation of aq. formaldehyde solns. Used as disinfectant, fumigant, fungicide, waterproofing glues and resins, including artificial horn and ivory. White solid with sl. odour of formaldehyde. Spar. sol. H_2O, sol. strong alkalis. Insol. EtOH, Et_2O. Mp 121-123° (163-165° dec.).

▷Irritant, mod. toxic orally. RV0540000.

Oxime: [75-17-2]. *Formaldoxime.*
CH_3NO M 45.041
Reagent for synth. of aldehydes from diazonium salts. Sol. H_2O. Bp 84°. Slowly turns to amorph. trimeride insol. in H_2O.

Oxime; B,HCl: [3473-11-8]. Prisms. Mp 136°.

Semicarbazone: [14066-69-4]. Mp 169° dec., Mp °. Bp 225-226° dec.

2,4-Dinitrophenylhydrazone: [1081-15-8]. Prisms (ligroin). Mp 167°.

Di-Et acetal: [462-95-3]. *Diethoxymethane. Diethyl formal. Ethylal. Methylene diethyl ether.*
$C_5H_{12}O_2$ M 104.149
Sol. H_2O. Bp 89°.

▷PA8500000.

Ammonia compd: see Hexamethylenetetramine, H-00057

Bisulfite compd.: [870-72-4]. Redn. products used in calico printing. Cryst. + $1H_2O$ (H_2O). Sol. MeOH, spar. sol. EtOH. Mp 200° dec.

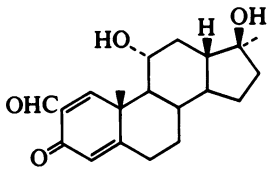
▷PB2200000.

Walker, F., *Ind. Eng. Chem.,* 1931, **23**, 1220; *J. Am. Chem. Soc.,* 1933, **55**, 2821 (*rev*)
Patry, M. *et al, C. R. Hebd. Seances Acad. Sci.,* 1945, **221**, 259 (*synth*)
Walker, J.F., *Formaldehyde,* 1964, 3rd Ed., Reinhold, N.Y. (*rev, bibl*)
Absar, I. *et al, Can. J. Chem.,* 1972, **50**, 646 (*struct*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1980, **11**, 231 (*rev*)
Fieser, M. *et al, Reagents for Organic Synthesis,* Wiley, 1967-84, **1**, 402; **8**, 231.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2246.
Bretherick, L., *Handbook of Reactive Chemical Hazards,* 2nd Ed., Butterworths, London and Boston, 1979, 697, 885.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 339, 425.
Sax, N.I., *Dangerous Properties of Industrial Materials,* 6th Ed., Van Nostrand-Reinhold, 1984, 1451.

Formebolone, BAN, INN **F-00245**

11α,17β-Dihydroxy-17-methyl-3-oxoandrosta-1,4-diene-2-carboxaldehyde, 9CI, 8CI. *Esiclene. Formyldienolone. Hubernol. Metanor*

[2454-11-7]



$C_{21}H_{28}O_4$ M 344.450

Anabolic steroid. Sol. H_2O, insol. pet. ether, C_6H_6. Mp 209-212°. $[\alpha]_D^{25}$ −116° ($CHCl_3$).

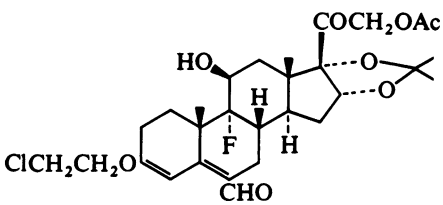
▷BV7985000.

Edwards, J.A. *et al, J. Org. Chem.,* 1964, **29**, 3481 (*synth*)
De Marci, G. *et al, Arzneim.-Forsch.,* 1973, **23**, 1583 (*metab*)
Cerutti, S. *et al, Arzneim.-Forsch.,* 1976, **26**, 1673 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9051.

Formocortal, BAN, INN, JAN **F-00246**

(11β,16α)-21-(Acetyloxy)-3-(2-chloroethoxy)-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)tris(oxy)]-20-oxopregna-3,5-diene-6-carboxaldehyde, 9CI. *Cortocin* F. *Cutisterol. Deflamene. Deflamin. Dermacort. Fluderma. Fluformilone. Fluroformylon. Formocortol. Formoftil. FI 6341*

[2825-60-7]



$C_{29}H_{38}ClFO_8$ M 569.066

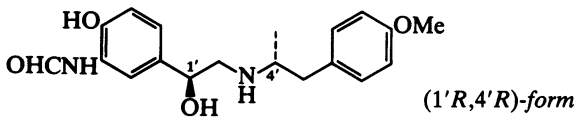
Glucocorticoid, antiinflammatory agent. Cryst. (Et_2O/pet. ether). Mp 180-182°. $[\alpha]_D^{20}$ +26°.

▷TU3460000.

Baldratti, G. *et al*, *Experientia*, 1966, **22**, 468.
Tajima, T. *et al*, *Jpn. J. Pharmacol.*, 1966, **62**, 115 (*pharmacol*)
Baldratti, G. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1533 (*pharmacol*)
Ger. Pat., 1 793 606, (*1972*); *CA*, **77**, 114700y (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1103.

Formoterol, INN F-00247

N-[*2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide*, *9CI*



(*1'R,4'R*)-*form*

$C_{19}H_{24}N_2O_4$ M 344.410

(1'R,4'R)-form [67346-49-0]
Amorph. $[\alpha]_D^{20}$ −30.1° (c, 1 in MeOH).

(1'R,4'S)-form [67346-51-4]
Mp 150°. $[\alpha]_D^{20}$ −8.9° (c, 1 in MeOH).

(1'RS,4'RS)-form [73573-87-2]
Bronchodilator.

Fumarate (2:1): [43229-80-7]. *Atock. BD 40*A. *CGP 25827* A-E. Cryst. + $1H_2O$ (2-propanol aq.). Mp 140°.

▷LQ2988000.

(1'RS,4'SR)-form

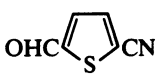
Fumarate (2:1): Cryst. + $^2/_3H_2O$ (2-propanol aq.). Mp 155°.

Murase, K. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 1368; 1978, **26**, 1123 (*synth, resoln, pharmacol*)
Tomioka, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1981, **250**, 279 (*pharmacol*)
Sasaki, H. *et al*, *Xenobiotica*, 1982, **12**, 803 (*metab*)
Yamakido, M. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1985, **23**, 461 (*pharmacol*)
Tasaka, K., *Drugs of Today*, 1986, **22**, 505 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19193.

5-Formyl-2-thiophenecarbonitrile, 9CI F-00248

5-Cyano-2-thiophenecarboxaldehyde

[21512-16-3]



C_6H_3NOS M 137.156
Mp 96-97° (94°). $Bp_{1.2}$ 130-135°.

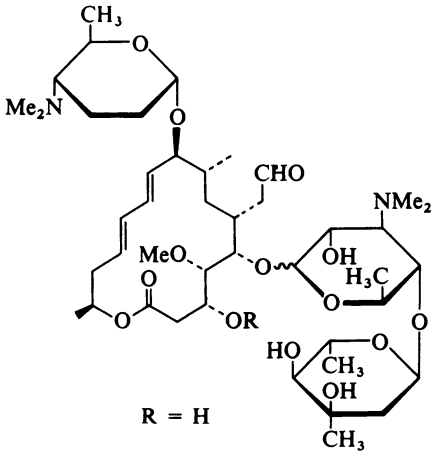
Thiosemicarbazone: [21512-15-2]. ***Citenazone, INN.*** *Hoe 105.*
$C_7H_6N_4S_2$ M 210.271
Antiviral (for smallpox). Tuberculostat. Mp 234° dec.

Vecchi, A. *et al*, *J. Org. Chem.*, 1957, **22**, 1636 (*synth*)
B.P., 1 127 064, (*1968*); *CA*, **70**, 47284 (*synth, Citenazone*)
Winkelmann, E. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1704, 1713, 1717 (*pharmacol, citenazone*)

Foromacidin *A* F-00249

9-O-[5-(Dimethylamino)tetrahydro-6-methyl-2H-pyran-2-yl]leucomycin V, *9CI. Spiramycin I*, *8CI. Spiramycin* A

[24916-50-5]



R = H

$C_{43}H_{74}N_2O_{14}$ M 843.063
Macrolide antibiotic. Produced by a *Streptomyces ambofaciens*. Broad-spectrum antibiotic. Cryst. Mp 134-138°. $[\alpha]_D^{20}$ −96° (c, 0.34 in MeOH).

▷WG9405000.

Tri-Ac: Cryst. Mp 140-142°. $[\alpha]_D^{20}$ −92.5°.

Mixt. with Foromacidins B *and* C: [8025-81-8]. ***Spiramycin, BAN, INN, USAN.*** *Foromacidin. NSC 55926. Other proprietary names.* Antibiotic complex. $[\alpha]_D^{20}$ −80° (MeOH).

▷WG9400000.

Corbaz, R. *et al*, *Helv. Chim. Acta*, 1956, **39**, 304 (*isol*)
Kuehne, M.E. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 4660 (*ir, uv, ms, pmr*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 3401 (*struct, ir, ms, nmr*)
Mitscher, A.L. *et al*, *J. Antibiot.*, 1973, **26**, 55 (*ms, struct*)
Omura, S. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 176 (*biosynth, ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8238.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2461.

Foromacidin *B* F-00250

Spiramycin II. Spiramycin B

[24916-51-6]

As Foromacidin *A*, F-00249 with

R = Ac

$C_{45}H_{76}N_2O_{15}$ M 885.100
Macrolide antibiotic. Produced by *Streptomyces ambofaciens*. Shows broad-spectrum antimicrobial props. Cryst. Mp 130-133°. $[\alpha]_D$ −86° (c, 0.82 in EtOH). Component of Spiramycin, BAN, INN, USAN.

▷WG9413000.

Di-Ac: Cryst. (cyclohexane). Mp 156-160°. $[\alpha]_D^{20}$ −98.4°.

Corbaz, R. *et al*, *Helv. Chim. Acta*, 1956, **39**, 304 (*isol*)
Kuehne, M.E. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 4660 (*ir, uv, ms, pmr*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 3401 (*struct, ir, ms, nmr, stereochem*)

Foromacidin *C* F-00251

Spiramycin III, *8CI. Spiramycin* C

[24916-52-7]

As Foromacidin *A*, F-00249 with

R = $COCH_2CH_3$

$C_{46}H_{78}N_2O_{15}$ M 899.127

Macrolide antibiotic. Produced by *Streptomyces ambofaciens*. Shows broad-spectrum antimicrobial props. Mp 128-131°. $[\alpha]_D^{20}$ −83° (c, 1.0 in EtOH). Component of Spiramycin, BAN, INN, USAN.

▷WG9415000.

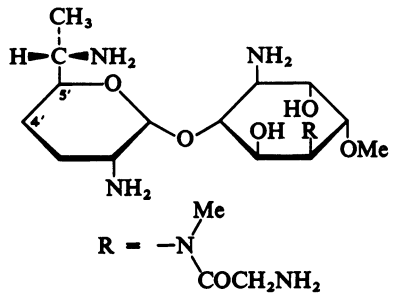
Di-Ac: Cryst. (cyclohexane). Mp 140-142°. $[\alpha]_D^{20}$ −90.4°.

Corbaz, R. *et al*, *Helv. Chim. Acta*, 1956, **39**, 304 (*isol*)
Kuehne, M.E. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 4660 (*uv, ir, ms, pmr*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 3401 (*struct, ir, ms, nmr, stereochem*)
Freiberg, L.A. *et al*, *J. Org. Chem.*, 1974, **39**, 2474 (*synth*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4001 (*struct, cmr*)
Omura, S. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 176 (*biosynth, ms*)

Fortimicin *A* F-00252

Astromicin, INN. *Abbott 44747. KW 1070. XK 70-1. Antibiotic KW 1070*

[55779-06-1]



$C_{17}H_{35}N_5O_6$ M 405.493

Aminoglycoside antibiotic. Isol. from *Micromonospora* spp. Antibacterial agent. Amorph. powder. Mp >200° dec. $[\alpha]_D^{25}$ +87.5° (c, 0.1 in H_2O).

▷NM7521490.

2B,H_2SO_4: [77275-67-3]. *Astromicin sulfate, USAN.*

N-*Formyl:* [74228-81-2]. ***Antibiotic SF 1854.*** *SF 1854.* $C_{18}H_{35}N_5O_7$ M 433.504

From *M.* sp. SF-1854. Active against gram-positive and -negative bacteria. $[\alpha]_D^{25}$ +67.0° (c, 1 in H_2O).

3-O-*De-Me:* [74842-47-0]. ***3*-O-Demethylfortimicin A.** $C_{16}H_{33}N_5O_6$ M 391.467

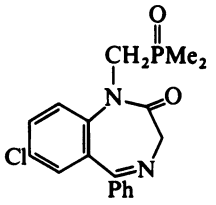
Isol. from *M. olivoasterospora.*

Egan, R.S. *et al*, *J. Antibiot.*, 1977, **30**, 552 (*struct, ir, ms, pmr*)
Nara, T. *et al*, *J. Antibiot.*, 1977, **30**, 533 (*synth*)
Okachi, R. *et al*, *J. Antibiot.*, 1977, **30**, 541 (*isol*)
Inouye, S. *et al*, *J. Antibiot.*, 1980, **33**, 510 (*deriv*)
Martin, J.R. *et al*, *Antimicrob. Agents Chemother.*, 1980, **18**, 761 (*synth, deriv*)
Cho, N. *et al*, *Chemotherapy (Tokyo)*, 1981, **29**, Suppl. 2 (*pharmacol, tox, metab*)
U.S.P., 4 330 673, (*1982*); *CA*, **97**, 128007 (*synth, deriv*)
Kunikatsu, O. *et al*, *Mol. Pharmacol.*, 1983, **23**, 127 (*conformn*)
Neu, K.C., *J. Antimicrob. Chemother.*, 1983, **11**, 181 (*props, deriv*)
Odakura, Y. *et al*, *J. Antibiot.*, 1984, **37**, 1670 (*biosynth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12404.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1457.

Fosazepam, BAN, USAN, INN F-00253

*7-Chloro-1-[(dimethylphosphinyl)methyl]-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, 9CI. HR 930*

[35322-07-7]



$C_{18}H_{18}ClN_2O_2P$ M 360.779

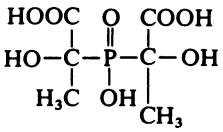
Hypnotic. Tranquilliser. Cryst. (cyclohexane). Mp 174-175°.

Ger. Pat., 2 022 503, (*1971*); *CA*, **76**, 72570c (*synth*)
Allen, S. *et al*, *Br. J. Clin. Pharmacol.*, 1976, **3**, 165 (*pharmacol*)
Dundee, J.W. *et al*, *Br. J. Clin. Pharmacol.*, 1977, **4**, 706 (*pharmacol*)

Foscolic acid, INN F-00254

2,2'-Phosphinicodilactic acid, 8CI. Phoscolic acid. PDLA

[2398-95-0]



$C_6H_{11}O_8P$ M 242.122

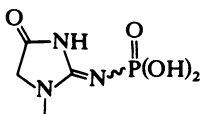
Adjuvant in tetracycline therapy. Sol. H_2O. Mp 148-149°. Stereochem. not detd.

U.S.P., 2 845 454, (*1958*); *CA*, **53**, 3061b (*synth*)
Tonelli, L.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1964, **145**, 386 (*pharmacol*)

Fosfocreatinine, INN F-00255

*(4,5-Dihydro-1-methyl-4-oxo-1*H*-imidazol-2-yl)-phosphoramidic acid, 9CI*

[5786-71-0]



$C_4H_8N_3O_4P$ M 193.099

Cardioenergetic, tonic.

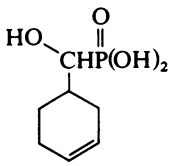
Di-Na salt: [19604-05-8]. *Fosfocreatinine sodium. Creatergyl. Impactil. Recoveron.* Mp 131-132°.

Fr. Pat., 1 536 402, (*1968*); *CA*, **71**, 91475p (*synth*)
Ger. Pat., 1 260 473, (*1968*); *CA*, **69**, 36192n (*synth, pharmacol*)
Fellenius, E. *et al*, *Acta Physiol. Scand.*, 1980, **110**, 259 (*pharmacol*)
Rosenshtraukh, L.V. *et al*, *Biochem. Med.*, 1985, **34**, 120 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3794.

Fosmenic acid, INN **F-00256**

(3-Cyclohexen-1-ylhydroxymethyl)phosphinic acid, 8CI. *Fosfaton*

[13237-70-2]



$C_7H_{13}O_3P$ M 176.152

Drug for treatment of atherosclerosis. Also used as Na salt.

Fr. Pat., 1 418 498, (*1965*); *CA*, **65**, 7395a (*synth*)
Romero, R.L. *et al*, *Med. Monatsschr.*, 1965, **19**, 61 (*pharmacol*)

Fosmidomycin, INN **F-00257**

[3-(Formylhydroxyamino)propyl]phosphonic acid, 9CI. *FR 31564. Antibiotic FR 31564*

[66508-53-0]

$(HO)_2P(O)CH_2CH_2CH_2N(OH)CHO$

$C_4H_{10}NO_5P$ M 183.100

Produced by *Streptomyces lavendulae* and isol. as Na salt. Clinically useful antibiotic active against gram-negative bacteria. Shows synergism with β-lactam antibiotics.

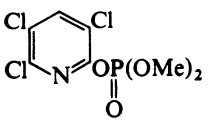
Mono-Na salt: [66508-37-0]. Cryst. (MeOH/EtOH). Mp 189-191°.

Kojo, Y. *et al*, *J. Antibiot.*, 1980, **33**, 44 (*pharmacol*)
Kuroda, Y. *et al*, *J. Antibiot.*, 1980, **33**, 29 (*struct, ir, pmr*)
Mine, Y. *et al*, *J. Antibiot.*, 1980, **33**, 36 (*pharmacol*)
Okuhara, M. *et al*, *J. Antibiot.*, 1980, **33**, 24 (*isol, struct, ir, pmr, tlc*)
Hemmi, K. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 111 (*synth, props*)
Murakawa, T. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 224 (*pharmacol*)
Kuemmerle, H.P. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1985, **23**, 515, 521 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19200.

Fospirate, USAN, INN **F-00258**

Dimethyl 3,5,6-trichloro-2-pyridinyl phosphate, 9CI, 8CI. *Torelle. Dowco 217*

[5598-52-7]



$C_7H_7Cl_3NO_4P$ M 306.469

Oxidn. product from Chlorpyrifos, C-00301 . Veterinary anthelmintic of low mammalian toxy. Cryst. (pet. ether). Mp 86.5-88°.

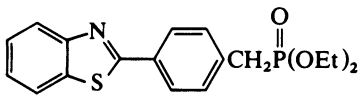
▷TC5450000.

Rigterink, R.H. *et al*, *J. Agric. Food Chem.*, 1966, **14**, 394 (*synth, pharmacol*)
Whitney, W.K. *et al*, *J. Econ. Entomol.*, 1969, **62**, 567 (*use*)
Baughman, R.G. *et al*, *J. Agric. Food Chem.*, 1977, **25**, 582 (*cryst struct*)

Fostedil, USAN, INN **F-00259**

Diethyl[[4-(2-benzothiazolyl)phenyl]methyl]-phosphonate, 9CI. *A 53986. KB 944*

[75889-62-2]



$C_{18}H_{20}NO_3PS$ M 361.395

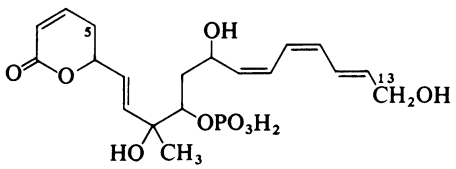
Vasodilator, Ca channel blocker. Needles (*n*-hexane). Mp 96-97°.

Eur. Pat., 10 120, (*1980*); *CA*, **94**, 4119j (*synth, pharmacol*)
Hirakawa, K. *et al*, *Arzneim.-Forsch.*, 1982, 1071 (*tox*)
Morita, T. *et al*, *Arzneim.-Forsch.*, 1982, 1047 (*pharmacol*)
Thomas, E.W., *J. Chromatogr.*, 1984, **305**, 233 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19201.

Fostriecin, INN **F-00260**

*Antibiotic CI 920. CI 920. PD 110161. Antibiotic PD 110161. CL 1565*A. *Antibiotic CL 1565*A

[87810-56-8]



$C_{19}H_{27}O_9P$ M 430.391

Triene antibiotic. Prod. by *Streptomyces pulveraceus* sub. *fostreus*. Shows antitumour props. Also active against yeasts. Hygroscopic solid + $1\frac{1}{2}H_2O$ (as partial Na salt). $[\alpha]_D$ +33° (c, 1 in 0.1M phosphate buffer, pH 7).

13-Deoxy: [87860-37-5]. ***Antibiotic PD 113270***. *PD 113270. CL 1565*B. *Antibiotic CL 1565*B.
$C_{19}H_{27}O_8P$ M 414.391
Prod. by *S. pulveraceus* sub. *fostreus*. Antitumour agent. Solid. $[\alpha]_D$ +31° (phosphate buffer).

5-Hydroxy: [87860-38-6]. ***Antibiotic PD 113271***. *PD 113271. CL 1565*T. *Antibiotic CL 1565*T.
$C_{19}H_{27}O_{10}P$ M 446.390
Prod. by *S. pulveraceus* sub. *fostreus*. Antitumour agent. Pale yellow solid. There is also a further component of the CL 1565 complex, Antibiotic CL 1565*C*.

Tunac, J.B. *et al*, *J. Antibiot.*, 1983, **36**, 1595 (*isol, props*)
Stampwala, S.S. *et al*, *J. Antibiot.*, 1983, **36**, 1601 (*isol*)
Hokanson, G.C. *et al*, *J. Org. Chem.*, 1985, **50**, 462 (*struct*)
Mamber, S.W. *et al*, *J. Antibiot.*, 1986, **39**, 1467 (*props*)
U.S.P., 4 578 383, (*1986*); *CA*, **105**, 113609

Fotemustine, INN **F-00261**

[1-[[[(2-Chloroethyl)nitrosoamino]carbonyl]amino]-ethyl]phosphonic acid diethyl ester, 9CI

[92118-27-9]

$(EtO)_2P(O)CH(CH_3)NHCON(NO)CH_2CH_2Cl$

$C_9H_{19}ClN_3O_5P$ M 315.693

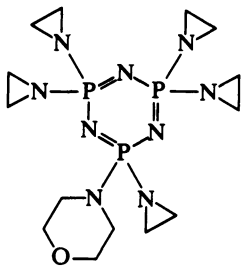
Antineoplastic agent. Mp 85°.

Fr. Pat., 2 536 075, (*1984*); *CA*, **101**, 152085y (*synth, pharmacol*)

Fotrin **F-00262**

2,2,4,4,6-Pentakis(1-aziridinyl)-2,2,4,4,6,6-hexahydro-6-(4-morpholinyl)-1,3,5-triaza-2,4,6-triphosphorine, 9CI. ***Fotretamine, INN***

[37132-72-2]



$C_{14}H_{28}N_9OP_3$ M 431.356

Antineoplastic agent, immunosuppressant. Cryst. (EtOH/Et_2O/EtOAc). Mp 120.5-121.5° (115-116°).

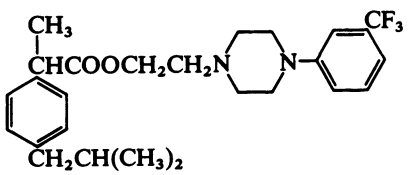
▷XX9470000.

Ger. Pat., 2 043 128, (*1972*); *CA*, **77**, 48480 (*synth*)
Ovchinnikova, V.A. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 18 (*Engl. transl.* p. 1601) (*metab*)
Van der Huizen, A.A. *et al*, *Inorg. Chim. Acta*, 1982, **66**, 85 (*synth, pmr, P-31 nmr*)
Lambert, H.B. *et al*, *Oncology*, 1983, **40**, 301 (*props*)
Van der Huizen, A.A. *et al*, *Inorg. Chim. Acta*, 1983, **78**, 239.

Frabuprofen, INN **F-00263**

α-Methyl-4-(2-methylpropyl)benzeneacetic acid 2-[4-[3-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl ester, 9CI

[98207-14-8]



$C_{26}H_{33}F_3N_2O_2$ M 462.554

(±)-***form*** [86696-88-0]

Analgesic. Mp 174-176°.

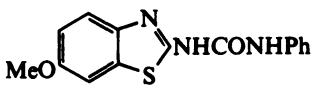
B,HCl: [98207-15-9].

Eur. Pat., 141 884, (*1985*); *CA*, **103**, 160536 (*synth, pharmacol*)

Frentizole, BAN, INN, USAN **F-00264**

1-(6-Methoxy-2-benzothiazolyl)-3-phenylurea, 8CI. Frenazole. Lilly 53616

[26130-02-9]



$C_{15}H_{13}N_3O_2S$ M 299.347

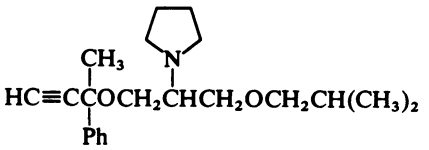
Immunoregulant, antiviral agent. Mp 321-322°.

Paget, C.J. *et al*, *J. Med. Chem.*, 1969, **12**, 1016 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12772.

Fronedipil, INN **F-00265**

1-[1-[[(1-Methyl-1-phenyl-2-propynyl)oxy]methyl]-2-(2-methylpropoxy)ethyl]pyrrolidine, 9CI

[79700-63-3]



$C_{21}H_{31}NO_2$ M 329.481

Antianginal agent. $Bp_{0.05}$ 143-145°. $[\alpha]_D^{20}$ 1.502°.

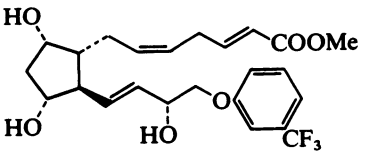
B,HCl: [79700-64-4]. Mp 154°.

Eur. Pat., 31 771, (*1981*); *CA*, **95**, 186638 (*synth, props*)

Froxiprost, INN **F-00266**

7-[3,5-Dihydroxy-2-[3-hydroxy-4-[3-(trifluoromethyl)phenoxy]-1-butenyl]cyclopentyl]-2,5-heptadienoic acid methyl ester, 9CI. ONO 995

[62559-74-4]



$C_{24}H_{29}F_3O_6$ M 470.485

Smooth muscle constrictor. No phys. props. reported.

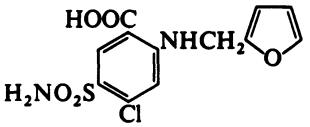
▷MI5431500.

Hayashi, M. *et al*, *J. Med. Chem.*, 1980, **23**, 525 (*synth, pharmacol*)

Frusemide, BAN **F-00267**

5-(Aminosulfonyl)-4-chloro-2-[2-(furanylmethyl)-amino]benzoic acid, 9CI. 4-Chloro-N-furfuryl-5-sulfamoylanthranilic acid. ***Furosemide, INN, USAN, JAN.*** *Lasix. Dryptal. Numerous proprietary names*

[54-31-9]



$C_{12}H_{11}ClN_2O_5S$ M 330.742

Antihypertensive, diuretic. Used for treatment of cirrhotic patients with ascites. Used in conjunction with Spironolactone for prophylaxis of hypokalaemia and hepatic encephalopathy or in treatment of hyperaldosteronism. Cryst. (EtOH aq.). Mp 206°.

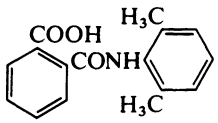
▷CB2625000.

Sturm, K. *et al*, *Chem. Ber.*, 1966, **99**, 328, 345 (*synth, props*)
Prandota, J. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1976, **1**, 177 (*rev, metab*)
Lamotte, J. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 1657 (*cryst struct*)
Benet, L.Z., *J. Pharmakinet. Biopharm.*, 1979, **7**, 1 (*rev*)
Rupp, W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1980, Suppl., 119 (*rev, pharmacol*)
Brater, D.C., *Annu. Rev. Pharmacol. Toxicol.*, 1983, **23**, 45 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2235 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2331.

Ftaxilide, INN **F-00268**

2',6'-Dimethylphthalanilic acid, 8CI

[19368-18-4]



$C_{16}H_{15}NO_3$ M 269.299

Antiinflammatory, antiulcer agent. Mp 178°, Mp 203-204°.

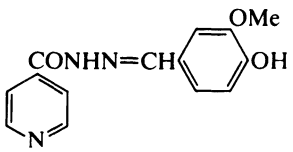
▷TH8490000.

Pagani, G. *et al, Farmaco, Ed. Sci.*, 1968, **23**, 448 (*synth*)
Ger. Pat., 2 040 578, (*1971*); *CA*, **75**, 48722n (*synth, pharmacol*)

Ftivazide, INN **F-00269**

4-Pyridinecarboxylic acid [(4-hydroxy-3-methoxyphenyl)methylene]hydrazide, 9CI. *Isonicotinic acid vanillylidenehydrazide,* 8CI. *N'-(4-Hydroxy-3-methoxybenzylidene)pyridine-4-carbohydrazide. Phthivazid. Isovin. Vanizide. Vanillaberon*

[149-17-7]



$C_{14}H_{13}N_3O_3$ M 271.275

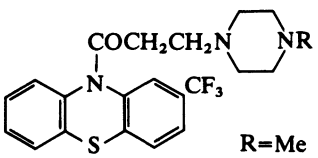
Tuberculostatic agent. Light-yellow powder with sl. aromatic odour.

Grebennik, L.I., *Sov. Med.*, 1968, **31**, 47 (*metab*)
Sodikov, E.S. *et al, Farmakol. Toksikol.*, 1968, **31**, 348 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7565.

Ftormetazine, INN **F-00270**

10-[3-(4-Methyl-1-piperazinyl)propionyl]-2-(trifluoromethyl)phenothiazine, 8CI

[33414-30-1]



R=Me

$C_{21}H_{22}F_3N_3OS$ M 421.480

Psychotropic, antiarrhythmic agent.

B,2HCl: [33923-44-3]. Mp 230-231°.

Gritsenko, A.N. *et al, Khim.-Farm. Zh.*, 1971, **5**, 18 (*synth*)
Vikhlyaev, Yu.I. *et al, Farmakol, Toksikol.*, 1971, **34**, 163 (*pharmacol*)

Ftorpropazine, INN **F-00271**

10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propionyl]-2-(trifluoromethyl)phenothiazine, 8CI

[33414-36-7]

As Ftormetazine, F-00270 with

$$R = -CH_2CH_2OH$$

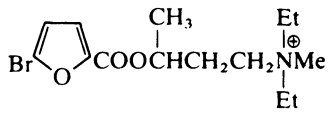
$C_{22}H_{24}F_3N_3O_2S$ M 451.506

Psychotropic agent, antiarrhythmic agent.

Vikhlyaev, Yu.I. *et al, Farmakol. Toksikol.*, 1971, **34**, 163 (*synth*)
Poltorakov, A.P. *et al, Izv. Akad. Nauk. SSSR, Ser. Khim.*, 1973, 2106 (*pharmacol*)

Fubrogonium(1+) **F-00272**

3-[[(5-Bromo-2-furanyl)carbonyl]oxy]-N,N-diethyl-N-methyl-1-butanaminium, 9CI. *Diethyl(3-hydroxybutyl)-methylammonium 5-bromo-2-furoate,* 8CI



$C_{14}H_{23}BrNO_3^{\oplus}$ M 333.245 (ion)

(±)-form

Ganglionic blocking agent, anaesthetic, antiarrhythmic agent.

Iodide: [3690-58-2]. *Fubrogonium iodide,* INN. *Fubromegan.*

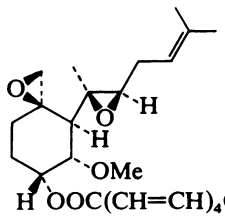
$C_{14}H_{23}BrINO_3$ M 460.149

Mndzhoyan, A.L. *et al, Dokl. Akad. Nauk Arm. SSSR*, 1954, **18**, 39 (*synth*)
Agadzhanyan, Ts.E. *et al, Arm. Khim. Zh.*, 1973, **26**, 964 (*ms*)
Dyadyura, Zh.A. *et al, Farmakol. Toksikol.*, 1975, **38**, 154 (*pharmacol*)

Fumagillin, BAN, INN **F-00273**

Phagopedin sigma. Amebacilin. Fumidil. Fugillin. Amebex. Fumadil B. *NSC 9168. U 5762*

[23110-15-8]



$C_{26}H_{34}O_7$ M 458.550

Isol. from *Aspergillus fumigatus* H3. Antibiotic, with antiphage and amoebicidal props. Inhibits RNA synthesis of *Octosporea muscae-domesticae*. Of limited use for the treatment of drug-resistant intestinal amoebiasis. Yellow needles (MeOH aq.). Sol. dil. alkalis, insol. hydrocarbons, H_2O. Best stored in dark, evac. ampoules at low temp.

▷HE1750000.

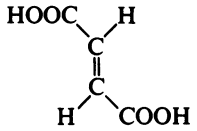
Decylamine salt: Mp 163-165°.
Dicyclohexylamine salt: Mp 147-148° dec.
Me ester: Needles (MeOH aq.). Mp 151-152°.
Bis-2,4-dinitrophenylhydrazone: Mp 123-126°.

Eble, T.E. *et al, Antibiot. Chemother.*, 1951, **1**, 54.
Cross, A.D. *et al, J. Am. Chem. Soc.*, 1958, **80**, 3682.
Carman, R.M. *et al, J. Am. Chem. Soc.*, 1959, **81**, 3151.
Tarbell, D.S. *et al, J. Am. Chem. Soc.*, 1960, **82**, 1005 (*struct*)
Birch, A.J. *et al, J. Chem. Soc.* (*C*), 1969, 1473 (*biosynth*)
Corey, E.J. *et al, J. Am. Chem. Soc.*, 1972, **94**, 2549 (*synth*)
Cole, R.J. *et al, Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 810.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1460.

Fumaric acid, 8CI **F-00274**

(E)-*2-Butenedioic acid,* 9CI. trans-*Ethylene-1,2-dicarboxylic acid*

[110-17-8]



$C_4H_4O_4$ M 116.073

Occurs in many plants, e.g. *Fumaria officinalis, Boletus scaber, Fomes igniarius.* Produced by *Rhizopus nigricans.* Is essential to vegetable and animal tissue respiration. Monoclinic, prismatic needles or leaflets (H_2O). Sol. EtOH, spar. sol. H_2O, Et_2O, Me_2CO, prac. insol. C_6H_6. Mp 286-287° (300-302°) (sealed tube). $Bp_{1.7}$ 165° (subl.). pK_{a1} 3.03, pK_{a2} 4.54 (25°). At 230° forms maleic anhydride.

▷LS9625000.

Mono-Me ester: [2756-87-8].
$C_5H_6O_4$ M 130.100
Found in *Tagetes minuta* and *Cudrania javanensis.* Prisms (EtOH). Mp 144.5°.

Di-Me ester: [624-49-7].
$C_6H_8O_4$ M 144.127
Cryst. Mp 102°. Bp_{12} 88.5°.

▷EM6125000.

Mono-Me ester monochloride: [17081-97-9].
$C_5H_5ClO_3$ M 148.546
Mp 16°. Bp_{14} 69.5°.

Dichloride: [627-63-4]. *Fumaroyl chloride.*
$C_4H_2Cl_2O_2$ M 152.965
Bp 158-160°.

▷Highly irritant. Gives toxic fumes in contact with water. LT2800000.

Monoamide: [2987-87-3]. *4-Amino-4-oxo-2-butenoic acid,* 9CI. *Fumaramic acid.*
$C_4H_5NO_3$ M 115.088
Used to manuf. Asparagine by bacterial conversion. Mp 218-222°.

Diamide: [627-64-5].
$C_4H_6N_2O_2$ M 114.104
Mp 267° dec.

Dinitrile: [764-42-1]. *Fumaronitrile.* (E)-*1,2-Dicyanoethylene.*
$C_4H_2N_2$ M 78.073
Needles. Sol. EtOH, Et_2O, C_6H_6. Mp 96°. Bp 186°.

▷LT2300000.

Bis(dimethylamide):
$C_8H_{14}N_2O_2$ M 170.211
Mp 134.5°

Fe(II) salt: [141-01-5]. **Ferrous fumarate, USAN.** *Feostat. Ferrocap. Toleron. Numerous proprietary names.*
$C_4H_2FeO_4$ M 169.904
Haematinic. Red-orange powder.

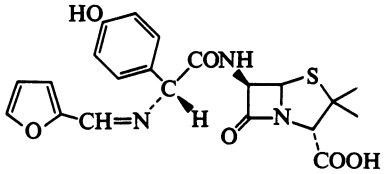
▷LT1950000.

Anschütz, R., *Justus Liebigs Ann. Chem.*, 1928, **461**, 155 (*isom*)
Org. Synth., Coll. Vol., **2**, 302 (*synth*)
Org. Synth., Coll. Vol., **4**, 486 (*nitrile*)
U.S.P., 2 848 366, (*1958*)
Weaver, *et al, Am. J. Med. Sci.*, 1961, **241**, 296 (*tox, Fe(II)* salt)
Prabhatkaran, P., *Indian J. Chem.*, 1969, **7**, 266 (*synth, Fe(II)* salt)
Benghiat, V. *et al, J. Chem. Soc., Perkin Trans. 1*, 1972, 1758 (*cryst struct, deriv*)
Junek, H. *et al, Tetrahedron*, 1972, **28**, 4083 (*synth, pmr, deriv*)
Kerr, R.O., *Benzene. Its Ind. Derivs.*, 1975, Wiley, N.Y. (*rev*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1981, **14**, 770 (*rev*)
Pfau, M. *et al, Bull. Soc. Chim. Fr., Part II*, 1982, 341 (*bisdimethylamide*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 319.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5054.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 697.

Fumoxicillin, INN **F-00275**

Furfurylideneamoxicillin. Furoxicillin. FU 02

[78186-33-1]



$C_{21}H_{21}N_3O_6S$ M 443.473

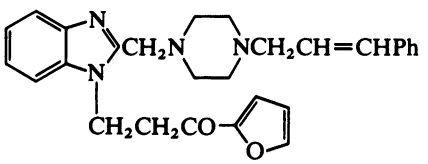
Semisynthetic. Bactericidal agent. Mp 110-112° dec.

U.S.P., 4 327 105, (*1982*); *CA*, **97**, 72191 (*synth*)
Dubini, F. *et al, Chemioterapia*, 1983, **2**, 9 (*pharmacol*)

Fuprazole, INN **F-00276**

1-(2-Furanyl)-3-[2-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]methyl]-1H-benzimidazol-1-yl]-1-propanone, 9CI. *3-[2-[(Cinnamyl-1-piperazinyl)methyl]-1-benzimidazolyl]-1-(2-furyl)-1-propanone*

[60248-23-9]



$C_{28}H_{30}N_4O_2$ M 454.571

Antiulcerogenic, bronchodilator, antiasthmatic agent.

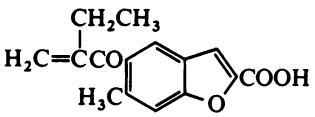
Maleate: [60248-24-0]. Mp 180°.

Ger. Pat., 2 552 151, (*1976*); *CA*, **85**, 108672q (*synth, pharmacol*)

Furacrinic acid, BAN, INN **F-00277**

6-Methyl-5-(2-methylene-1-oxobutyl)-2-benzofurancarboxylic acid, 9CI. *GP 48674*

[23580-33-8]



$C_{15}H_{14}O_4$ M 258.273

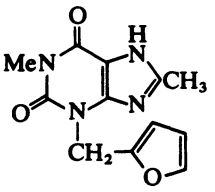
Diuretic. Mp 141-142°.

South African Pat., 68 04 837, (*1968*); *CA*, **71**, 91282 (*synth, pharmacol*)
Swiss Pat., 540 903, (*1973*); *CA*, **80**, 27085v (*synth*)

Furafylline, INN **F-00278**

3-(2-Furanylmethyl)-3,7-dihydro-1,8-dimethyl-1H-purine-2,6-dione, 9CI. *3-Furfuryl-1,8-dimethylxanthine*

[80288-49-9]



$C_{12}H_{12}N_4O_3$ M 260.252

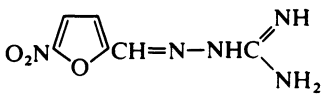
Bronchodilator, vasodilator, antiasthmatic agent. Cryst. (EtOH). Mp 280-282°.

Belg. Pat., 891 561, (*1982*); *CA*, **97**, 72385e (*synth, pharmacol*)

Furaguanidine **F-00279**

2-[(5-Nitro-2-furanyl)methylene]-hydrazinecarboximidamide, 9CI. *[(5-Nitrofurfurylidene)amino]guanidine. Guanofuracin*

[300-25-4]



$C_6H_7N_5O_3$ M 197.153

Antibacterial agent.

B,H_2SO_4: [32476-75-8]. Pale-yellow cryst.

U.S.P., 2 416 233, (*1946*); *CA*, **41**, 3488 (*synth*)
Ger. Pat., 974 710, (*1961*); *CA*, **57**, 7233 (*synth*)

Furalazine, INN **F-00280**

6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-amine, 9CI. *3-Amino-6-[2-(5-nitro-2-furyl)vinyl]-as-triazine. Furatrizine. Panfuran*

[556-12-7]



$C_9H_7N_5O_3$ M 233.186

Antibacterial agent. Red powder (Me_2CO). Mp 270° dec.

▷XY3214000.

B,HCl: Mp 235-239° dec.

B,AcOH: Mp 300° dec.

3-N-Ac: [1789-26-0]. N-[6-[2-(5-Nitro-2-furanyl)-ethenyl]-1,2,4-triazin-3-yl]acetamide, 9CI. ***Acefuralazine***. *Acetylfuratrizine. Panfuran acetate. Panfuran ointm.*.

$C_{11}H_9N_5O_4$ M 275.223

Antibacterial agent. Yellow needles (DMF). Mp 284° dec.

▷AC6725000.

3-N-Bis(hydroxymethyl): [794-93-4]. [[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]imino]-bis(methanol), 9CI. ***Mefuralazine***. *Dihydroxyfuratrizine. Furatone. Panfuran* S. *Sp 100-2.*

$C_{11}H_{11}N_5O_5$ M 293.238

Antibacterial agent. Yellow cryst. Mp 161° dec.

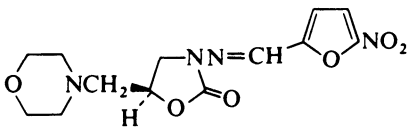
▷PC3200000.

Belg. Pat., 610 465, (*1962*); *CA*, **57**, 15131 (*synth, props*)
Miura, K., *Antimicrob. Agents Chemother.*, 1962, 275 (*pharmacol*)
Yoneda, F. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 1264 (*struct, props*)
Miura, K. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 529 (*deriv, pharmacol*)
Koike, M. *et al*, *Chemotherapy* (*Tokyo*), 1974, **22**, 1133, 1146, 1165 (*pharmacol, metab*)

Furaltadone, INN **F-00281**

5-(4-Morpholinylmethyl)-3-[[(5-nitro-2-furanyl)-methylene]amino]-2-oxazolidinone, 9CI. *5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone,* 8CI. *Furazolin. Furmethonol. Nitrofuraltadone. Nitrofurmethone. Numerous proprietary names*

[139-91-3]



(*S*)-*form* Absolute configuration

$C_{13}H_{16}N_4O_6$ M 324.293

▷RQ3620000.

(***S*)-*form*** [3795-88-8]

Levofuraltadone, *USAN, INN. NF 602. NSC 527986*

Antibacterial, antiprotozoal agent. Cryst. (2-propanol/$MeNO_2$). Mp 208-209°. $[\alpha]_D^{24}$ −56.0° (c, 0.2 in AcOH).

(±)-*form*

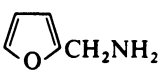
Antibacterial, antiprotozoal agent. Yellow cryst. (EtOH). Mp 206° dec.

Kefauver, D.F. *et al*, *Antibiotics Ann.*, 1958-59, 81 (*pharmacol*)
McCabe, W.R. *et al*, *Antibiotics Ann.*, 1959-60, 761 (*pharmacol*)
Nicholas, D.H., *J. Org. Chem.*, 1963, **28**, 745 (*synth, abs config*)
Kessler, H.J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 19 (*synth, pharmacol*)
Goldberg, I., *J. Am. Chem. Soc.*, 1982, **104**, 7077 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2798 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12775.

2-Furanmethanamine, 9CI **F-00282**

Furfurylamine. 2-(Aminomethyl)furan

[617-89-0]



C_5H_7NO M 97.116

Oil. Misc. H_2O. Bp 145-146°, Bp_{84} 80°. Absorbs CO_2 from air.

▷Mod. irritant, flammable. LU9275000.

B,HCl: [4753-68-8]. Mp 110°.

Picrate: Mp 183-184°.

N-*Tri-Me:* [7618-86-2]. N,N,N-*Trimethyl-2-furanmethanaminium(1+),* 9CI. *Furfuryltrimethylammonium(1+).* ***Furtrethonium(1+)***.

$C_8H_{14}NO^{\oplus}$ M 140.205 (ion)

Parasympathomimetic agent.

N-*Tri-Me, iodide:* [541-64-0]. *Furtrethonium iodide,* INN. *Furamon. Furanol. Furmethide iodide.*

$C_8H_{14}INO$ M 267.109

Mp 116-117°.

▷BQ6850000.

N-*Tri-Me, benzenesulfonate:* [3481-26-3]. *Benzamon.*

$C_{14}H_{19}NO_4S$ M 297.368

Mp 134-135°.

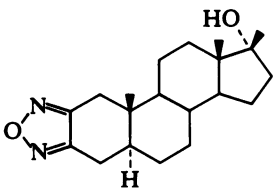
N-*Tri-Me*, p-*toluenesulfonate:* [5978-73-4]. *Fisostina. Ucepha 11001.*

Zanetti, J.E. *et al*, *J. Am. Chem. Soc.*, 1928, **50**, 2032 (*synth*)
Schwoegler, E.J. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 3494 (*synth*)
Org. Synth., 1943, **23**, 68 (*synth*)
Weilmuenster, E.A. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 415 (*synth, deriv*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1463.

Furazabol, INN, JAN F-00283

17-Methylandrostano[2,3-c] [1,2,5]oxadiazol-17-ol, 9CI, 8CI. 17α-Methyl-5α-androstano[2,3-c]furazan-17β-ol. Androfurazanol. Furazalon. Miotolon. DH 245. Frazalon. Pirzalon

[1239-29-8]



$C_{20}H_{30}N_2O_2$ M 330.469

Anabolic, anticholesteraemic agent. Needles (MeOH). Mp 152-153°. $[\alpha]_D$ +39.4° (c, 1.42 in $CHCl_3$).

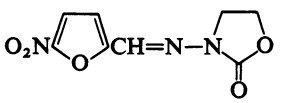
▷BV8061000.

Shimizu, M. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 895 (*synth*)
Kasahara, A. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 1460 (*pharmacol*)
Kasahara, A. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 285 (*tox*)
Takegoshi, T. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1243 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9054.

Furazolidone, BAN, INN F-00284

3-(5-Nitrofurfurylideneamino)-2-oxazolidinone. Furoxone. Nifulidone. Neftin. Numerous proprietary names

[67-45-8]



$C_8H_7N_3O_5$ M 225.160

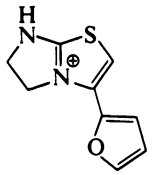
Antiseptic, antiprotozoal agent. Poultry food additive. Yellow cryst. Mp 275° dec.

▷Mutagenic. RQ3675000.

Yurchenco, J.A. *et al*, *Antibiot. Chemother.* (*Washington, D.C.*), 1953, **3**, 1035 (*pharmacol*)
Gever, G. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 2277, 2282 (*synth*)
Rogers, G.S. *et al*, *Antibiot. Chemother.* (*Washington, D.C.*), 1956, **6**, 231 (*pharmacol*)
Chamberlain, R.E., *J. Antimicrob. Chemother.*, 1976, **2**, 325 (*rev*)
Tatsumi, K. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3435 (*metab, tox*)
Ali, B.H., *Vet. Res. Commun.*, 1983, **6**, 1 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 837 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4784.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 698.

Furazolium(1+) F-00285

6,7-Dihydro-3-(5-nitro-2-furanyl)-5H-imidazo[2,1-b]-thiazol-4-ium, 9CI



$C_9H_8N_3O_3S^{\oplus}$ M 238.241 (ion)

Antibacterial agent.

Chloride: [5118-17-2]. *Furazolium chloride, USAN, INN. Dermafur. Novofur. NF 963.*
$C_9H_8ClN_3O_3S$ M 273.694
Cryst. (MeOH). Dec. >250°.

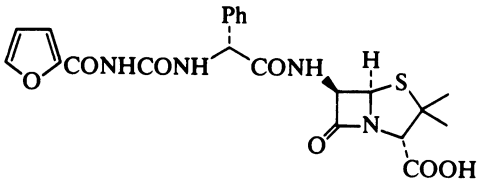
Tartrate: [17692-15-8]. *Furazolium tartrate, USAN. NF 1425.*

Snyder, H.R. *et al*, *J. Med. Chem.*, 1966, **9**, 402 (*synth, pharmacol*)
Freedman, R. *et al*, *Antimicrob. Agents Chemother.*, 1967, 502 (*pharmacol*)

Furbenicillin F-00286

6-[[[[[(2-Furanylcarbonyl)amino]carbonyl]amino]-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. BL-P 1597

[54661-82-4]



$C_{22}H_{22}N_4O_7S$ M 486.498

Antibiotic.

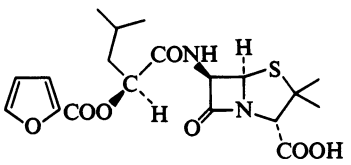
K salt: [25673-17-0]. Mp 192-195° dec.

B.P., 1 282 742, (*1972*); *CA*, **77**, 114394 (*synth*)
Ferres, H. *et al*, *J. Antibiot.*, 1974, **27**, 922.
Li, J. *et al*, *Chin. Med. J.* (*Engl. Ed.*), 1979, **92**, 185 (*pharmacol*)
Chu, B. *et al*, *CA*, 1984, **100**, 192225 (*synth*)

Furbucillin, INN F-00287

6-[[2-[(2-Furanylcarbonyl)oxy]-4-methyl-1-oxopentyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. [1-(2-Furoyloxy)-3-methylbutyl]penicillin

[54340-65-7]



$C_{19}H_{24}N_2O_7S$ M 424.468

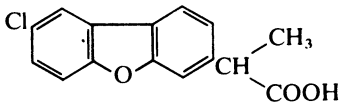
Synthetic. Antibacterial agent.

Na salt: Cryst. (2-propanol aq.). Mp 182-183° dec. $[\alpha]_D^{25}$ +221.5° (c, 2 in H_2O).

Ger. Pat., 2 163 600, (*1972*); *CA*, **77**, 140050 (*synth*)
U.S.P. Reissue, 29 003, (*1976*); *CA*, **86**, 106576 (*synth*)

Furcloprofen, INN **F-00288**

8-Chloro-α-methyl-3-dibenzofuranacetic acid, 9CI. *2-(8-Chloro-3-dibenzofuranyl)propanoic acid*



$C_{15}H_{11}ClO_3$ M 274.703

(+)-*form* [58012-63-8]

Antiinflammatory, analgesic. Mp 155-157°. $[\alpha]_D^{25}$ +43.7° (c, 1 in MeOH).

(−)-*form*

Cryst. (CH_2Cl_2/Et_2O/pentane). Mp 156-157°. $[\alpha]_D^{25}$ −44.4° (MeOH).

(±)-*form*

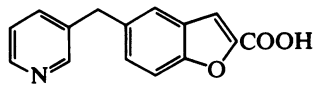
Cryst. (Et_2O/pentane). Mp 159-162°.

Ger. Pat., 2 510 001, (*1975*); *CA*, **84**, 59171u (*synth, pharmacol*)

Furegrelate, INN **F-00289**

5-(3-Pyridinylmethyl)-2-benzofurancarboxylic acid, 9CI

[85666-24-6]



$C_{15}H_{11}NO_3$ M 253.257

Thromboxane synthetase inhibitor. Cryst. (Me_2CO). Mp 227-228°.

Na salt: [87463-91-0]. *Furegrelate sodium,* USAN. *U-63557 A.* Mp >300°.

B,HCl: [85666-25-7]. Mp 227-229°.

Wynalda, M.A. *et al, Prostaglandins*, 1983, **26**, 311 (*pharmacol*)

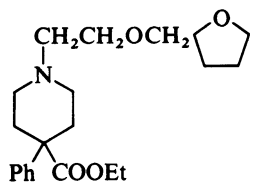
Lakings, D.B. *et al, J. Pharm. Sci.*, 1985, **74**, 455 (*pharmacol*)

Johnson, R.A. *et al, J. Med. Chem.*, 1986, **29**, 1461 (*synth, pharmacol*)

Furethidine, BAN, INN **F-00290**

Ethyl 4-phenyl-1-[2-[(tetrahydro-2-furanyl)methoxy]-ethyl]-4-piperidinecarboxylate, 9CI. *Ethyl-4-phenyl-1-[2-(tetrahydrofurfuryloxy)ethyl]isonipecotate,* 8CI. *1-(2'-Tetrahydrofurfuryloxyethyl)norpethidine. Furaethidin. Furetidine. TA 48*

[2385-81-1]



$C_{21}H_{31}NO_4$ M 361.480

Narcotic analgesic. Mp 28°. $Bp_{0.3}$ 175-183°. pK_a 7.48.

B,MeI: Cryst. (EtOAc). Mp 174°.

Picrate: Cryst. (EtOH). Mp 104-105°.

B.P., 797 448, (*1958*); *CA*, **54**, 483 (*synth*)

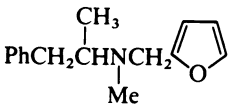
Frearson, P.M. *et al, J. Chem. Soc.*, 1960, 2103 (*synth*)

Lister, R.E., *Br. J. Pharmacol.*, 1960, **15**, 247, 252, 254 (*pharmacol*)

Ger. Pat., 1 256 219, (*1967*); *CA*, **69**, 10364 (*synth*)

Furfenorex, INN **F-00291**

N-Methyl-N-(1-methyl-2-phenylethyl)-2-furanmethanamine, 9CI. *N-Methyl-N-(α-methylphenethyl)-furfurylamine. Furfurylmethylamphetamine*



$C_{15}H_{19}NO$ M 229.321

(+)-*form* [3776-93-0]

Anorectic agent. $Bp_{0.1}$ 103-106°.

▷LU9775000.

Cyclamate salt: [3776-92-9]. *Frugalan. E-106-E. SD 27115. Furfenorex cyclohexylsulfamate.* Mp 90-92°. $[\alpha]_D^{20}$ +12.7° (c, 1 in H_2O).

▷LU9776000.

Boissier, J.R. *et al, Ann. Pharm. Fr.*, 1966, **24**, 57; 1968, **28**, 215 (*synth, pharmacol, metab*)

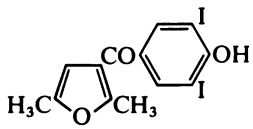
Boissier, J.B. *et al, Arch. Int. Pharmacodyn. Ther.*, 1967, **167**, 150 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1480.

Furidarone, INN **F-00292**

(2,5-Dimethyl-3-furanyl)(4-hydroxy-3,5-diiodophenyl)methanone, 9CI. *2,5-Dimethyl-3-furyl-4-hydroxy-3,5-diiodophenylketone,* 8CI. *DB 136*

[4662-17-3]



$C_{13}H_{10}I_2O_3$ M 468.029

Coronary vasodilator. Mp 170-172°.

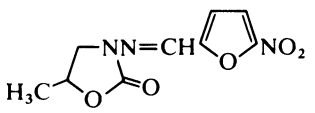
Fr. Pat., M2040, (*1963*); *CA*, **60**, 5461e (*synth, pharmacol*)

La Barre, J. *et al, Arch. Int. Pharmacodyn.*, 1964, **147**, 497 (*pharmacol, tox*)

Furmethoxadone, INN **F-00293**

5-Methyl-3-[[(5-nitro-2-furanyl)methylene]amino]-2-oxazolidinone, 9CI. *5-Methyl-3-(5-nitrofurfurylideneamino)-2-oxazolidinone,* 8CI. *Nitrofuradoxonum*

[6281-26-1]



$C_9H_9N_3O_5$ M 239.187

(±)-*form*

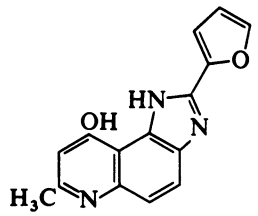
Anthelmintic, antibacterial agent. Cryst. (AcOH). Mp 252-254°.

U.S.P., 2 759 932, (*1956*); *CA*, **51**, 2051i (*synth, pharmacol*)

Furodazole, USAN, INN **F-00294**

*2-(2-Furanyl)-7-methyl-1*H*-imidazo[4,5-f]quinolin-9-ol, 9CI. F 691*

[56119-96-1]



$C_{15}H_{11}N_3O_2$ M 265.271

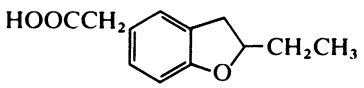
Anthelmintic. Cryst. + $^1/_4H_2O$. Mp 280-282°.

Alaimo, R.J. *et al*, *J. Med. Chem.*, 1978, **21**, 298 (*synth, pharmacol*)

Furofenac, INN **F-00295**

2-Ethyl-2,3-dihydro-5-benzofuranacetic acid, 9CI. SAS 650

[56983-13-2]



$C_{12}H_{14}O_3$ M 206.241

▷DF6423960.

(±)-*form*

Antiinflammatory agent. Cryst. (cyclohexane). Mp 94-95°.

Ger. Pat., 2 526 089, (*1975*); *CA*, **84**, 135469q (*synth, pharmacol*)

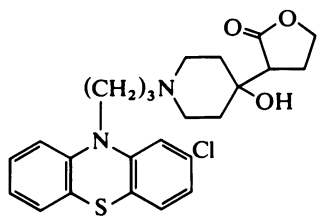
Tamagnone, G.F. *et al*, *Boll. Chim. Farm.*, 1977, **116**, 81 (*synth, pharmacol, nmr, glc*)

Giumanini, A.G. *et al*, *Biomed. Mass Spectrom.*, 1980, **7**, 236 (*ms, metab*)

Furomazine, INN **F-00296**

*3-[1-[3-(2-Chloro-10*H*-phenothiazin-10-yl)propyl]-4-hydroxy-4-piperidinyl]dihydro-2(3*H*)-furanone, 9CI*

[28532-90-3]



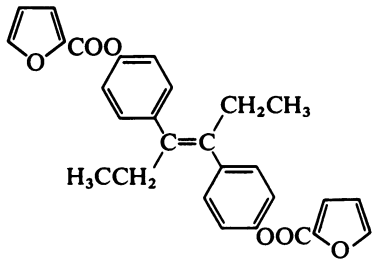
$C_{24}H_{27}ClN_2O_3S$ M 459.002

Sedative, neuroleptic.

South African Pat., 6 802 527, (*1969*); *CA*, **73**, 66595 (*synth, pharmacol*)

Furostilbestrol, INN **F-00297**

2-Furancarboxylic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, 9CI. (Diethylvinylene)di-p-phenylene 2-furoate, 8CI. α,α′-Diethyl-4,4′-stilbenediol di-2-furoate. Stilbestrol difuroate



$C_{28}H_{24}O_6$ M 456.494

***(E)*-form** [549-40-6]

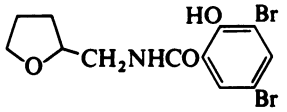
Synthetic oestrogen.

Férin, J., *J. Clin. Endocrinol. Metab.*, 1952, **12**, 28 (*pharmacol*)

Fursalan, USAN, INN **F-00298**

*3,5-Dibromo-2-hydroxy-*N*-[(tetrahydro-2-furanyl)methyl]benzamide, 9CI. 3,5-Dibromo-*N*-(tetrahydrofurfuryl)salicylamide, 8CI*

[15686-77-8]



$C_{12}H_{13}Br_2NO_3$ M 379.048

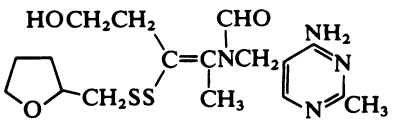
Disinfectant.

Fr. Pat., 1 501 151, (*1967*); *CA*, **70**, 11371t (*synth, pharmacol*)

Fursultiamine, INN **F-00299**

N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-N-[4-hydroxy-1-methyl-2-[(tetrahydrofurfuryl)dithio]-1-butenyl]formamide, 9CI, 8CI. Thiamine tetrahydrofurfuryl disulfide. Alinamin F. Diteftin. Judojor. TTFD. Numerous proprietary names

[804-30-8]



$C_{17}H_{26}N_4O_3S_2$ M 398.537

Analgesic, vitamin B_1 source. Cryst. with coffee-like flavour. Mp 148-150° (132°).

▷LQ0750000.

Anon, *Drugs of Today*, 1965, **1**, 29 (*rev*)

Ziro, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **158**, 353 (*metab*)

Asahi, Y., *Ann. Rep. Takeda Res. Lab.*, 1968, **27**, 58 (*nmr*)

Yurugi, S. *et al*, *Ann. Rep. Takeda Res. Lab.*, 1968, **27**, 25 (*synth*)

Kruglikova-L'vova, R.P., *Khim.-Farm. Zh.*, 1970, **4**, 59 (*pharmacol*)

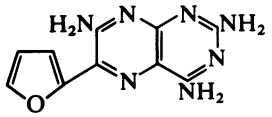
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4574 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7838.

Furterene, INN **F-00300**

6-(2-Furanyl)-2,4,7-pteridinetriamine, 9CI. *2,4,7-Triamino-6-(2-furyl)pteridine,* 8CI. *Furamterene. F 6113*

[7761-75-3]



$C_{10}H_9N_7O$ M 243.227

Diuretic. Mp 283-284°.

Formate: [15816-61-2]. *Furedeme.* Mp 283-284°.

Fr. Pat., M2206, (*1964*); *CA*, **61**, 670e (*synth, pharmacol, deriv*)

Bernini, G. *et al*, *Therapie*, 1966, **21**, 1313 (*synth, pharmacol, tox*)

Fusafungine, BAN, INN **F-00301**

Biofusal. Fusaloyos. Fusarine. Locabiotal. Locabiosol. S 314

[1393-87-9]

Antibiotic from *Fusarium* spp. Used as an aerosol for local application. Cryst. (EtOH aq.). Pract. insol. H_2O, sol. glycols, fats. Mp 125-129°. Stable up to 180°.

▷LV5456700.

Fr. Pat., 1 164 181, (*1958*); *CA*, **54**, 20074b (*isol*)

B.P., 1 018 626, (*1966*); *CA*, **64**, 16585b

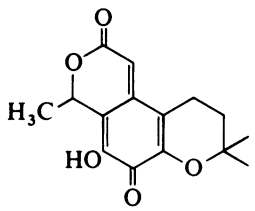
Haler, D. *et al*, *J. Med. Chem.*, 1977, **5**, 61 (*props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 87.

Fuscin **F-00302**

9,10-Dihydro-5-hydroxy-4,8,8-trimethyl-2H,4H-benzo[1,2-b:4,3-c']dipyran-2,6(8H)-dione, 9CI

[83-85-2]



$C_{15}H_{16}O_5$ M 276.288

Isol. from cultures of *Oidiodendron fuscum*, other *O.* spp. and *Potebriamyces gallicola.* Antibacterial agent and ADP transport inhibitor. Orange plates (EtOH). Mp 230°. Subl. at 160-80° in high vac.

Na salt: Purple cubes.

B,HCl: Mp 210° dec.

Thiouronium chloride: Needles. Mp 205-208°.

Michael, S.E., *Biochem. J.*, 1948, **43**, 528 (*isol*)

Birkinshaw, J.H. *et al*, *Biochem. J.*, 1951, **48**, 67 (*struct*)

Barton, D.H.R. *et al*, *J. Chem. Soc.*, 1956, 1028 (*struct, synth*)

Birch, A.J. *et al*, *J. Chem. Soc.*, 1965, 1231 (*biosynth*)

Pyuskyulev, B. *et al*, *Tetrahedron*, 1973, **29**, 2849 (*synth*)

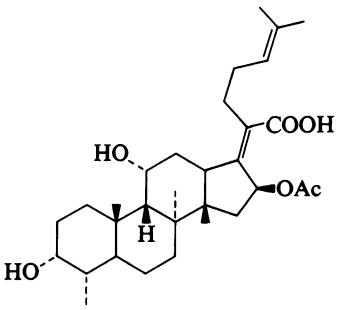
Crawley, G.C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 221 (*isol*)

Boulet, C.A. *et al*, *Can. J. Chem.*, 1983, **61**, 2285 (*isol*)

Fusidic acid, BAN, INN **F-00303**

3,11,16-Trihydroxy-29-nor-8α,9β,13α,14β-dammara-17(20),24-dien-21-oic acid 16-acetate, 9CI. *16β-Acetoxy-3α,11α-dihydroxy-17(20)Z,24-fusidadien-21-oic acid. Fusidin. Ramycin. NSC 56192. SQ 16603. Antibiotic SQ 16603*

[6990-06-3]



$C_{31}H_{48}O_6$ M 516.717

Steroid antibiotic. Constit. of *Fusidium* spp. Also prod. by dermatophytes. Mainly active against gram-positive bacteria. Cryst. (Et_2O). Mp 192-193°. $[\alpha]_D^{20}$ −9° (c, 1 in $CHCl_3$).

▷RC1350000.

Na salt: [751-94-0]. *Fusidate sodium,* USAN. *Fucidin. Fusin. Stafusid. Stenicid. Verutex. SQ 16360.*

▷LV5775000.

3-Ketone: [4680-37-9].

$C_{31}H_{46}O_6$ M 514.701

Constit. of *F. coccineum.* Cryst. (Et_2O). Mp 177-178°, 191-192°. $[\alpha]_D^{20}$ +23° (c, 1.0 in $CHCl_3$).

11-Ketone: [16711-91-4].

$C_{31}H_{46}O_6$ M 514.701

Constit. of *F. coccineum.* Cryst. (Et_2O). Mp 196-197°. $[\alpha]_D^{20}$ +55° (c, 1.0 in $CHCl_3$).

3-Epimer: [19030-42-3].

$C_{31}H_{48}O_6$ M 516.717

Constit. of *F. coccineum.* Cryst. ($CHCl_3$). Mp 211°. $[\alpha]_D$ +10° (c, 1.0 in Py).

11-Epimer: [4680-36-8].

$C_{31}H_{48}O_6$ M 516.717

Constit. of *F. coccineum.* Cryst. (Et_2O). Mp 202-203°. $[\alpha]_D^{20}$ +80° (c, 1.0 in Py).

Godtfredsen, W.O. *et al*, *Tetrahedron*, 1965, **21**, 3505 (*isol*)

Cooper, A. *et al*, *Tetrahedron*, 1968, **24**, 909 (*cryst struct*)

Tanaka, N. *et al*, *Antibiotics*, 1973, **3**, 436 (*rev*)

Ebersole, R.-C. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 6499 (*biosynth*)

Ireland, R.E. *et al*, *J. Org. Chem.*, 1977, **42**, 1276 (*synth*)

Tanabe, M. *et al*, *Tetrahedron Lett.*, 1977, 1481 (*synth*)

Godtfredsen, W.O. *et al*, *Tetrahedron*, 1979, **35**, 2419.

Dauben, W.G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 303 (*synth*)

Hikal, A.H. *et al*, *J. Pharm. Sci.*, 1982, **71**, 1297 (*hplc*)

Perry, W.J. *et al*, *J. Antibiot.*, 1983, **36**, 1659 (*isol*)

Von Daehne, W. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 427 (*rev*)

Reeves, D.S., *J. Antimicrob. Chemother.*, 1987, **20**, 467 (*rev, pharmacol*)

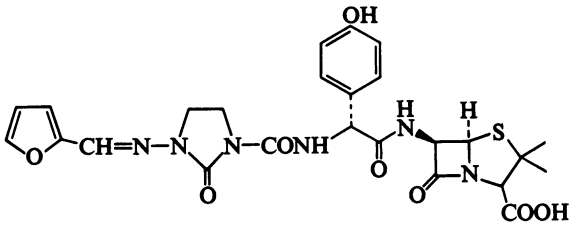
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 88.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1467.

Fuzlocillin, BAN, INN **F-00304**

Furazlocillin. Bay k 4999

[66327-51-3]



$C_{25}H_{26}N_6O_8S$ M 570.576

Semisynthetic penicillin. Active against gram-positive bacteria. Shows clinical potential. pK_{a1} 3.5, pK_{a2} 10.5.

Ger. Pat., 2 727 586, (*1979*); *CA*, **97**, 215897 (*synth, pmr*)

Wise, R. *et al*, *Antimicrob. Agents Chemother.*, 1979, **15**, 670, 783 (*props*)

Lode, H. *et al*, *Chemotherapy* (*Basel*), 1980, **26**, 81 (*pharmacol*)

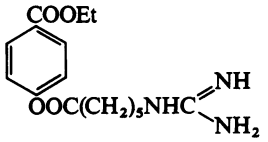
Hinderling, P.H. *et al*, *J. Pharmacokinet. Biopharm.*, 1983, **11**, 5.

G

Gabexate, INN **G-00001**

Ethyl 4-[[5-[(aminoiminomethyl)amino]-1-oxohexyl]-oxy]benzoate, 9CI. Ethyl p-*hydroxybenzoate 6-guanidinohexanoate*

[39492-01-8]



$C_{16}H_{23}N_3O_4$ M 321.375

Proteolytic enzyme inhibitor. Anticoagulant.

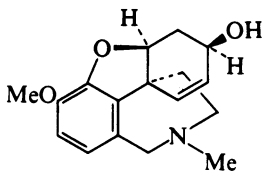
B,MeSO$_3$H: [56974-61-9]. *Gabexate mesylate. Foypan. FOY.* Cryst.

▷DG2800800.

Muramatu, M. *et al, Biochim. Biophys. Acta*, 1972, **285**, 224 (*pharmacol*)
Tamura, Y. *et al, Biochim. Biophys. Acta*, 1972, **284**, 417 (*synth, pharmacol*)
Westman, D.F., *Drugs of Today*, 1978, **14**, 411 (*rev, pharmacol*)
Menegatti, E. *et al, J. Pharm. Sci.*, 1986, **75**, 1171 (*pharmacol*)
Takeuchi, T. *et al, Pharma Med.*, 1988, **6**, 83 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12777.

Galanthamine, 9CI **G-00002**

4a,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6H-benzofuro[3a,3,2-ef][2]benzazepin-6-ol



(−)-*form*
Absolute configuration

$C_{17}H_{21}NO_3$ M 287.358

(+)-*form*

Synthetic. Mp 133-135°. $[\alpha]_D^{18}$ +126° (c, 0.083 in EtOH).

1,2-Dihydro, N-*de-Me:* **Demethyldihydrogalanthamine**.
$C_{16}H_{21}NO_3$ M 275.347
Component of the quasi-racemic alkaloid Narcissamine. Mp 77-87° (hydrate), Mp 134° (anhyd.). $[\alpha]_D^{23}$ + 38.2°, $[\alpha]_{436}^{23}$ + 97.5° (c, 0.28 in $CHCl_3$).

1,2-Dihydro, N-*de-Me,* O,N-*di-Ac:* Cryst. (EtOH). Mp 177-179°.

(−)-*form* [357-70-0]

Galantamine, INN. Galanthine. Jilkon. Karantonin. Lycoremine. Lycorimine. Nevalina. Nivalin. NIH 7380

Alkaloid from *Galanthus voronovii* and a very large number of other spp. in the Amaryllidaceae. Powerful analgesic. Cholinesterase inhibitor. In clinical use in the USSR. Mp 127-129° (133-134°). $[\alpha]_D^{22}$ −122° (c, 0.60 in EtOH) (−132°).

▷Toxic, LD_{50} 11 mg/kg (s.c., mice)

B,HCl: Mp 254-255° dec.

B,HClO$_4$: Mp 225-227° dec.

Me ether: **O-Methylgalanthamine**.
$C_{18}H_{23}NO_3$ M 301.385
Alkaloid from *Chlidanthus fragrans* (Amaryllidaceae). Oil.

Me ether; B,MeI: Mp 272-273°. $[\alpha]_D$ −90° (c, 1.0 in MeOH).

N-*De-Me:* **N-Demethylgalanthamine**.
$C_{16}H_{19}NO_3$ M 273.331
Alkaloid from the bulbs of *Crinum asiaticum* var. *japonicum* (Amaryllidaceae). Cryst. (EtOAc). Mp 156-158°. $[\alpha]_D^{23}$ − 62°, $[\alpha]_{436}^{23}$ − 146° (c, 0.28 in $CHCl_3$).

N-*De-Me,* O,N-*di-Ac:* **O,N-Diacetyl-N-demethylgalanthamine**.
$C_{20}H_{23}NO_5$ M 357.405
Alkaloid from the fruit of *C. asiaticum* var. *japonicum*. Cryst. (EtOH). Mp 234-235°. *N*-Demethylgalanthamine may be the plant constit.

N-*De-Me,* N-*formyl:* **N-Formylnorgalanthamine**.
$C_{17}H_{19}NO_4$ M 301.341
Alkaloid from *Narcissus confusus* (Amaryllidaceae). Mp 190-192°. Incorr. called *N*-Formylgalanthamine in the lit.

N-*De-Me,* N-(*2-propenyl*): **N-Allylnorgalanthamine**.
$C_{19}H_{23}NO_3$ M 313.396
Alkaloid from the bulbs of *Lycoris guangxiensis* (Amaryllidaceae). Oil.

1,2-Dihydro: **Lycoramine**. *Pseudohomolycorine.*
$C_{17}H_{23}NO_3$ M 289.374
Alkaloid from *L. radiata, Crinum powellii,* and some other spp. in the Amaryllidaceae. Mp 120-121°. $[\alpha]_D^{27}$ −98° (EtOH).

Dihydro; B,HClO$_4$: Mp 138-139°.

1,2-Dihydro, O-*de-Me:* [77754-93-9]. **O-Demethyllycoramine**. O-*Demethyldihydrogalanthamine.*
$C_{16}H_{21}NO_3$ M 275.347
Alkaloid from the bulbs of *L. radiata* (Amaryllidaceae). Prisms (C_6H_6/EtOH). Mp 204-207°.

1,2-Dihydro, N-*de-Me:* **N-Demethyllycoramine**. N-*Demethyldihydrogalanthamine.*
$C_{16}H_{21}NO_3$ M 275.347
Alkaloid from the bulbs of *Hymenocallis rotata* (Amaryllidaceae). Prisms + $1H_2O$ (Me_2CO). Mp 123-124°. $[\alpha]_D^{29}$ −39.1° (c, 0.95 in $CHCl_3$).

(±)-*form*

Synthetic. Mp 121-123°.

Dihydro: [18747-70-1]. Mp 98-99°.

N-*De-Me,* O,N-*di-Ac:* Cryst. (EtOAc). Mp 204-205°.

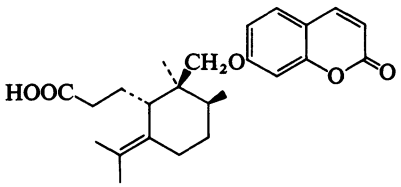
Koyabashi, S. *et al, Chem. Ind. (London)*, 1956, 177 (*struct*)
Barton, D.H.R. *et al, J. Chem. Soc.*, 1962, 806 (*struct, ir, synth*)
Laiho, S.M. *et al, J. Am. Chem. Soc.*, 1964, **86**, 4434 (*N-Demethylgalanthamine, Demethyldihydrogalanthamine*)
Williams, D.J. *et al, Proc. Chem. Soc., London*, 1964, 357 (*cryst struct*)
Kametani, T. *et al, J. Chem. Soc. (C)*, 1971, 1043; *J. Org. Chem.*, 1971, **36**, 1295 (*synth*)
Nogueiras, C. *et al, Tetrahedron Lett.*, 1971, 3249 (*O-Methylgalanthamine*)
Zetta, L. *et al, J. Chem. Soc., Perkin Trans. 2*, 1973, 1180 (*cmr*)
Fuganti, C. *et al, Tetrahedron Lett.*, 1974, 2261 (*biosynth*)

Kametani, T. *et al*, *Heterocycles*, 1976, **4**, 111 (*synth*)
Kobayashi, S. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2553 (*N-Demethylgalanthamine*)
Ochi, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 3363 (*O,N-Diacetyl-N-demethylgalanthamine*)
Schultz, A.G. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 8065 (*synth*)
Shimizu, K. *et al*, *Heterocycles*, 1977, **8**, 277 (*synth*)
Kobayashi, S. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 3433 (*O-Demethyllycoramine*)
Sánchez, I.H. *et al*, *J. Org. Chem.*, 1984, **49**, 157 (*synth*)
Mikhailova, D. *et al*, *Pharmacology*, 1986, **32**, 301 (*pharmacol*)
Westra, P. *et al*, *Br. J. Anaesth.*, 1986, **58**, 1303 (*pharmacol*)
Bastida, J. *et al*, *Phytochemistry*, 1987, **26**, 1519 (*N-Formylnorgalanthamine*)
Kihara, M. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1070 (*N-Demethyllycoramine*)
Li, H.-Y. *et al*, *Planta Med.*, 1987, **53**, 259 (*N-Allylnorgalanthamine*)
Teneheva, J. *et al*, *J. Chromatogr.*, 1987, **421**, 396 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4517.

Galbanic acid G-00003

2,3-Dimethyl-6-(dimethylethylidene)-2-[[(2-oxo-2H-1-benzopyran-7-yl)oxy]methyl]cyclohexanepropanoic acid

[3566-55-0]



$C_{24}H_{30}O_5$ M 398.498

Constit. of *Ferula gummosa* and other *F.* spp. Anticoagulant. Cryst. Mp 92-93°. $[\alpha]_D^{20}$ −35.2° (MeOH).

▷GW2580000.

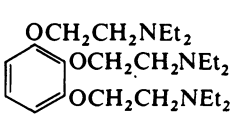
Me ether: ***Methyl galbanate***.
$C_{25}H_{32}O_5$ M 412.525
From *F. microloba*. Oil. Bp 252°. $[\alpha]_D^{18}$ −25.8° (c, 1.16 in MeOH).

Borisov, V.N. *et al*, *Khim. Prir. Soedin.*, 1973, **9**, 429; 1974, **10**, 516 (*isol*)
Bagirov, V.Yu. *et al*, *Khim. Prir. Soedin.*, 1980, 620; *CA*, **95**, 25279x (*struct*)
Martirosov, M.S., *CA*, 1986, **104**, 122805 (*pharmacol*)
Mansurov, M.M. *et al*, *Farmakol. Toksikol. (Moscow)*, 1988, **51**, 47 (*pharmacol*)

Gallamine, BAN G-00004

2,2',2'''-[1,2,3-Benzenetriyltris(oxy)]tris(N,N-diethylethanamine), 9CI. 2,2''',2'''''-(v-Phenenyltrioxy)-tristriethylamine, 8CI

[153-76-4]



$C_{24}H_{45}N_3O_3$ M 423.638

Neuromuscular blocker. Muscle relaxant. Mp 145-150°. Used as triethiodide.

B,3EtI: [65-29-2]. *Gallamine triethiodide, USAN, INN. Benzcurine iodide. Flaxedil. Relaxan. Retensin. Numerous proprietary names.* Cryst. (Me_2CO aq.). Insol. Me_2CO, Et_2O, C_6H_6, $CHCl_3$. Mp 152-153°.

▷BS1100000.

Bovet, D. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1947, **225**, 74 (*pharmacol*)
Protiva, M. *et al*, *Collect. Czech. Chem. Commun.*, 1948, **13**, 326 (*synth*)
U.S.P., 2 691 042, (*1954*); *CA*, **49**, 11706 (*synth*)
Lu, T.-C., *J. Pharmacol. Exp. Ther.*, 1970, **174**, 560 (*pharmacol*)
Dal Santo, G., *Br. J. Anaesth.*, 1972, **44**, 321 (*metab*)
Buzello, W. *et al*, *Anaesthetist*, 1978, **27**, 313 (*props*)
Colquhoun, D. *et al*, *Br. J. Pharmacol.*, 1979, **66**, 78 (*props*)
Henthorn, T.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1982, **222**, 389 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7902.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5720.

Gallium citrate G-00005

[30403-03-3]



$C_6H_5GaO_7$ M 258.821

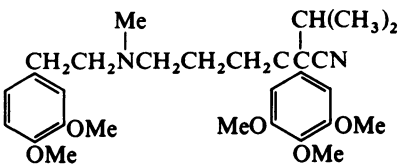
Diagnostic aid (radioopaque medium). ^{67}Ga cpd. is used as a radioactive agent.

Dudley, H.C. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 3822; 1951, **73**, 2696 (*synth*)
Brucer, M. *et al*, *Radiology*, 1953, **61**, 534 (*pharmacol*)
Logan, K.J. *et al*, *Int. J. Nucl. Med. Biol.*, 1981, **8**, 271 (*pharmacol*)
Cipriani, C. *et al*, *Inorg. Chim. Acta*, 1984, **92**, 79 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5858.

Gallopamil, BAN, INN G-00006

α-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]-propyl]-3,4,5-trimethoxy-α-(trimethylethyl)-benzeneacetonitrile, 9CI. 5-[(3,4-Dimethoxyphenethyl)-methylamino]-2-isopropyl-2-(3,4,5-trimethoxyphenyl)-valeronitrile, 8CI. 5'-Methoxyverapamil. Procorum. Wingom. D 600

[16662-47-8]



$C_{28}H_{40}N_2O_5$ M 484.634

(−)-*form* [36622-40-9]

Coronary vasodilator, uterine contractor. Calcium antagonist.

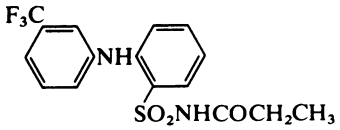
B,HCl: Mp 161-163°. $[\alpha]_D^{25}$ −9.25° (c, 0.4 in EtOH).

Fleckenstein, A., *Arzneim.-Forsch.*, 1970, **20**, 1317 (*pharmacol*)
Ger. Pat., 2 059 923, (*1972*); *CA*, **77**, 101250b (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16819.

Galosemide, INN **G-00007**

N-[[*4*-[[*3*-(*Trifluoromethyl*)*phenyl*]*amino*]-*3*-*pyridinyl*]*sulfonyl*]*propanamide*, *9CI. C 2124*

[52157-91-2]



$C_{15}H_{14}F_3N_3O_3S$ M 373.349

Diuretic, antiinflammatory agent. Cryst. (cyclohexane/C_6H_6). Mp 163-165°.

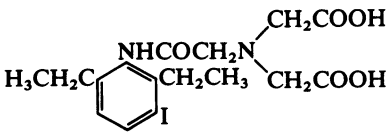
Delarge, J. *et al*, *Ann. Pharm. Fr.*, 1974, **32**, 657 (*synth, pharmacol*)

Ger. Pat., 2 337 896, (*1974*); *CA*, **80**, 120775 (*synth, pharmacol*)

Galtfenin, INN **G-00008**

N-(*Carboxymethyl*)-N-[*2*-[(*2,6-diethyl-3-iodophenyl*)*amino*]-*2-oxoethyl*]*glycine*, *9CI. 3-Iodo-2,6-diethylphenylcarbamoylmethyliminodiacetic acid. IODIDA*

[106719-74-8]



$C_{16}H_{21}IN_2O_5$ M 448.257

Diagnostic agent. ^{99m}Tc complex used as cholescintigraphic agent.

Kapuscinski, J. *et al*, *Nucl. Med.* (*Stuttgart*), 1986, **25**, 188 (*use*)

Gamfexine, USAN, INN **G-00009**

α-Cyclohexyl-N,N-*dimethylbenzenepropanamine*, *9CI.* N,N-*Dimethyl*-*γ*-*phenylcyclohexanepropylamine*, *8CI. WIN 1344*

[7273-99-6]



$C_{17}H_{27}N$ M 245.407

(±)-*form*

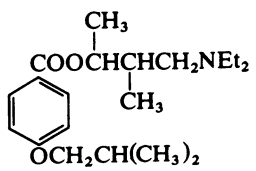
Antidepressant.

U.S.P., 3 328 249, (*1967*); *CA*, 1967, **67**, 99834t (*synth, pharmacol*)

Ganglefene, INN **G-00010**

3-Diethylamino-1,2-dimethylpropyl-p-*isobutoxybenzoate*, *8CI. Ganglerone*

[299-61-6]



$C_{20}H_{33}NO_3$ M 335.486

Ganglion-blocking agent, coronary vasodilator.

▷DH3067500.

U.S.S.R. Pat., 115 905, (*1958*); *CA*, **53**, 17439a (*synth, pharmacol*)

Korchins'kii, I.T. *et al*, *Farm. Zh.*, 1968, **23**, 56 (*uv*)

El-Sayed, M.A.M. *et al*, *Farm. Zh.*, 1971, **26**, 11 (*ir*)

Gardimycin **G-00011**

Actagardin, INN

[59165-34-3]

Struct. unknown

$C_{48}H_{138}N_{18}NaO_{34}S_{3\text{-}4}$ M 1630.888-1662.948

Peptide-type antibiotic. Minimum formula given. Isol. from *Actinoplanes garbadinensis*. Active against gram-positive and -negative bacteria. Inhibits peptidoglycan synth. Mp >240° dec. λ_{max} 280 nm ($E_{1cm}^{1\%}$ 26) (MeOH).

▷LX3000000.

Na salt: [59979-38-3]. Powder. Mp 260°.

Coronelli, C. *et al*, *J. Antibiot.*, 1976, **29**, 507 (*props*)

Arioli, V. *et al*, *J. Antibiot.*, 1976, **29**, 511 (*props*)

Ger. Pat., 2 533 447, (*1976*); *CA*, **85**, 3867d (*isol*)

Parenti, F. *et al*, *J. Antibiot.*, 1976, **29**, 501 (*isol*)

Summa, S. *et al*, *Antimicrob. Agents Chemother.*, 1978, **11**, 396 (*props*)

Malabarba, A. *et al*, *J. Antibiot.*, 1985, **38**, 1506 (*uv, ir, pmr, cmr, props*)

Gastrins **G-00012**

Pyroglutamyl-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-PheNH_2

Formula shows gastrin HI-the parent member of the series.

Gastrin HI

18-34-Gastrin I (*human*), *9CI*

Polypeptide hormone from the antral region of the human stomach.

Gastrin HII [19361-51-4]

18-34-Gastrin II (*human*), *9CI.* [*12-Tyr*(SO_3H)]*Gastrin HI*

Polypeptide hormone from the antral region of the human stomach.

Gastrin DI [22835-16-1]

18-34-Gastrin I (*dog*), *9CI.* [Met^5,Ala^8]*Gastrin*

Polypeptide from canine antral mucosa.

Gastrin D2 [23013-49-2]

18-34-Gastrin II (*dog*), *9CI.* [Met^5,Ala^8,$Tyr(SO_3H)^{12}$]-*Gastrin.* [*12-Tyr*-(SO_3H)]*Gastrin DI*

Polypeptide hormone from canine antral mucosa.

Gastrin GI

[Met^5]*Gastrin*

Polypeptide hormone from antral region of hog stomach. The [15-Leu] and [5-Leu,15-Leu] analogues have been synthesised.

Gastrin GII

[Met^5,$Tyr(SO_3H)^{12}$]*Gastrin.* [*12-Tyr*(SO_3H)]-*Gastrin GI*

Polypeptide hormone from antral region of hog stomach.

Gastrin CI

18-34 Gastrin I (*ox*), *9CI.* [Val^5,Ala^{10}]*Gastrin*

Polypeptide hormone from ovine and bovine abomasa.

Gastrin CII [20703-59-7]

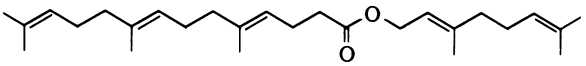
18-34 Gastrin II (*ox*), *9CI.* [*12-Tyr*(SO_3H)]-*Gastrin CI.* [Val^5,Ala^{10},$Tyr(SO_3H)^{12}$]*Gastrin*

Polypeptide hormone from ovine and bovine abomasa.

Feline Gastrin [27686-19-7]
18-34 Gastrin I (cat), 9CI
Polypeptide hormone from the antral regions of cat stomach.

Gregory, R.A. *et al*, *Gut*, 1964, **5**, 103.
Kenner, G.W. *et al*, *Nature (London)*, 1964, **204**, 931, 933; 1966, **209**, 583; 1968, **219**, 614 (*isol, struct, synth*)
Gregory, R.A. *et al*, *Nature (London)*, 1966, **209**, 583 (*isol, struct, synth*)
Kenner, G.W. *et al*, *Tetrahedron*, 1966, 8th Suppl., 39 (*synth*)
Kenner, G.W. *et al*, *J. Chem. Soc. (C)*, 1967, 108, 2520; 1968, 761; 1969, 954 (*synth*)
Morley, J.S., *J. Chem. Soc. (C)*, 1967, 2410 (*synth*)
Gregory, R.A. *et al*, *Experientia*, 1969, **25**, 346 (*isol*)
Kenner, G.W. *et al*, *Experientia*, 1969, **25**, 347 (*synth*)
Kenner, G.W. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 3096 (*ms*)
Wendlberger, G. *et al*, *Monatsh. Chem.*, 1981, **112**, 1297 (*synth*)

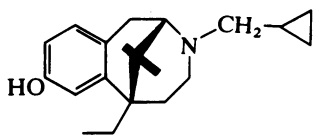
Gefarnate, BAN, INN **G-00013**
5,9,13-Trimethyl-4,8,12-tetradecatrienoic acid 3,7-dimethyl-2,6-octadienyl ester, 9CI. Geranyl farnesylacetate. Gefarnil. Numerous proprietary names
[51-77-4]



$C_{27}H_{44}O_2$ M 400.643
Used in the treatment of peptic ulcers. Oil. $Bp_{0.05}$ 165-168°. Mixt. of geom. isomers.
▷XB8890000.

Cardoni, C. *et al*, *J. Med. Chem.*, 1963, **6**, 457 (*synth, pharmacol*)
Coppi, G. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1519 (*pharmacol*)
Pala, G. *et al*, *Helv. Chim. Acta*, 1970, **53**, 1827.
Sato, K. *et al*, *Synthesis*, 1981, 796 (*synth*)
Ballester-Rodes, M. *et al*, *Synth. Commun.*, 1984, **14**, 515 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7609 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 690.

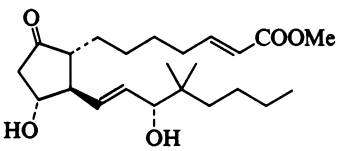
Gemazocine, INN **G-00014**
3-(Cyclopropylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol, 9CI. Cyclogemine. R 15497
[54063-47-7]



$C_{20}H_{29}NO$ M 299.455
Analgesic, narcotic antagonist.
B,HBr: [31708-52-8].

Ger. Pat., 2 027 077, (*1970*); *CA*, **74**, 125486x (*synth, pharmacol*)
Gelders, Y.G. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 699 (*cryst struct*)

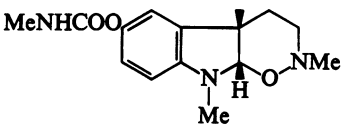
Gemeprost, BAN, USAN, INN **G-00015**
Methyl 11,15-dihydroxy-16,16-dimethyl-9-oxoprosta-2,13-dien-1-oate, 9CI. Cervagem. Preglandin. Cergem. ONO 802
[64318-79-2]



$C_{23}H_{38}O_5$ M 394.550
Uterine contractant, cervical softener, abortifacient.
▷UK7894500.

Oshima, K. *et al*, *Prostaglandins*, 1978, **15**, 473 (*pharmacol*)
Suga, H. *et al*, *Prostaglandins*, 1978, **15**, 907 (*synth*)
Castañer, J., *Drugs Future*, 1979, **4**, 38 (*rev*)
Karim, S.M.M. Ed., *Cervagem: A New Prostaglandin in Obstetrics and Gynecology*, MTP Press, Lancaster, UK, 1983 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8088.

Geneserine **G-00016**
2,3,4,4a,9,9a-Hexahydro-2,4a,9-trimethyl-1,2-oxazino[6,5-b]indol-6-ol methylcarbamate, 9CI. Eseridine, INN. Eserine aminoxide. Eserine oxide. Physostigmine oxide
[25573-43-7]

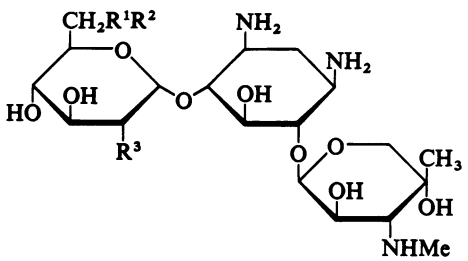


Absolute configuration

$C_{15}H_{21}N_3O_3$ M 291.349
Alkaloid from *Physostigma venenosum* (Leguminosae) also formed from Eserine by oxidn. Anticholinesterase used in gastrointestinal disorders and chronic dermatoses. Mp 128-129°. $[\alpha]_D$ −175° (EtOH).
Picrate: Mp 175°.
B,MeI: Mp 215°.

Bild, N. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1885 (*ms*)
Hootele, C., *Tetrahedron Lett.*, 1969, 2713 (*uv, ir, ms, pmr, struct*)
Robinson, B. *et al*, *J. Chem. Soc. (C)*, 1970, 2077 (*config*)

Gentamicin *B* **G-00017**
Betamicin, INN. *Gentiomycin* B. *Sch 14342. Antibiotic Sch 14342*
[36889-15-3]



$R^1 = NH_2$, $R^2 = H$, $R^3 = OH$

$C_{19}H_{38}N_4O_{10}$ M 482.530
Aminoglycoside antibiotic. Prod. by *Micromonospora* spp. Shows broad-spectrum activity. $[\alpha]_D^{26}$ +155° (c, 0.3 in H_2O).
▷WK1974000.

B,xH₂SO₄: [43169-50-2]. *Betamicin sulfate, USAN. HAPA-B.*

1-N-[(S)-3-Amino-2-hydroxypropanoyl]: [58152-03-7]. ***Isepamicin, INN, BAN, USAN.*** *Sch 21420. Antibiotic Sch 21420.*

$C_{22}H_{43}N_5O_{12}$ M 569.608

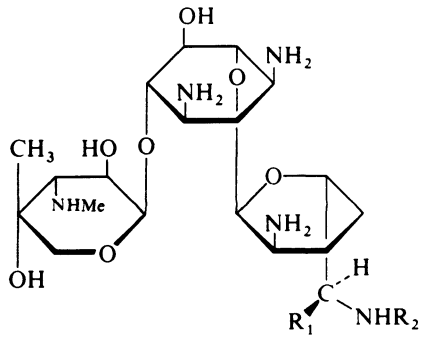
Semisynthetic. Shows clinical potential; has increased activity with lower toxicity than Gentamicin *B*. Powder + $2H_2SO_4$. $[\alpha]_D^{26}$ +110.9° (c, 1 in H_2O).

▷WK1973000.

Waitz, J.A. *et al, Antimicrob. Agents Chemother.*, 1972, **2**, 464.
U.S.P., 3 915, 955, (*1975*); *CA*, **84**, 29191 (*synth, pharmacol*)
Finland, M. *et al, J. Infect. Dis.*, 1976, **134**, 57 (*pharmacol*)
Nagabhushan, T.L. *et al, J. Antibiot.*, 1978, **31**, 681, 688 (*deriv*)

Gentamicin *C* G-00018

Garamycin. Gentiomycin C



Aminoglycoside antibiotic complex. Consists of a mixt. of closely related and structurally similar components of which the most important are Gentamicins C_1 (R^1 = R^2 = CH_3), C_{1a} (R^1 = R^2 = H), C_2 (R^1 = CH_3, R^2 = H) and C_{2b} (R^1 = H, R^2 = CH_3). Isol. from *Micromonospora* spp. Broad-spectrum antibiotic. Most extensively clinically used aminoglycoside antibiotic.

Gentamicin C₁ [25876-10-2]
$C_{21}H_{43}N_5O_7$ M 477.600

Mp 94-100°. $[\alpha]_D^{25}$ +158° (H_2O).

▷LY2468000.

Tri-Ac: Mp 206-225°. $[\alpha]_D^{25}$ +143° (MeOH).

4″-De-Me: [66322-28-9]. ***4″-Demethylgentamicin C₁.***
$C_{20}H_{41}N_5O_7$ M 463.573
From *M. purpurea-nigrescens*. Active against gram-positive and -negative bacteria, and mycobacteria. $[\alpha]_D$ +142° (H_2O).

Gentamicin C₁ₐ [26098-04-4]
$C_{19}H_{39}N_5O_7$ M 449.546

▷WK2290000.

4″-De-Me: ***4″-Demethylgentamicin C₁ₐ.***
$C_{18}H_{37}N_5O_7$ M 435.520
From *M. purpurea-nigrescens*. Active against gram-positive and -negative bacteria, and mycobacteria. $[\alpha]_D$ +144° (H_2O).

Gentamicin C₂ [25876-11-3]
$C_{20}H_{41}N_5O_7$ M 463.573

Mp 107-124°. $[\alpha]_D^{25}$ +160° (H_2O).

▷LY2840000.

Tri-Ac: Mp 206-222°. $[\alpha]_D^{25}$ +151° (MeOH).

4″-De-Me: [66277-10-9]. ***4″-Demethylgentamicin C₂.***
$C_{19}H_{39}N_5O_7$ M 449.546

From *M. purpurea-nigrescens*. Active against gram-positive and -negative bacteria, and mycobacteria. $[\alpha]_D$ +148° (H_2O).

Gentamicin C₂b [52093-21-7]

Micronomicin, INN, JAN. *Sagamicin. Santemycin. KW 1062. XK 62-2. Antibiotic KW 1062. Antibiotic XK 62-2*

$C_{20}H_{41}N_5O_7$ M 463.573

Amorph. solid + $\frac{1}{2}H_2O$. Mp 260° dec. $[\alpha]_D$ +116° (c, 1 in H_2O).

▷WK2180000.

5-Deoxy: [88416-32-4]. ***5-Deoxygentamicin C₂b.***
$C_{20}H_{41}N_5O_6$ M 447.574
Prod. by *M. purpurea* in the presence of D-Streptamine. Active against gram-positive and -negative bacteria.

5-Deoxy, 6′-N-Me:
$C_{21}H_{43}N_5O_6$ M 461.601
Prod. by *M. purpurea*. Active against gram-positive and -negative bacteria.

2-Hydroxy: [77052-96-1]. ***2-Hydroxysagamicin.***
$C_{20}H_{41}N_5O_8$ M 479.573
Prod. by *Micromonospora sagamensis* and *M. purpurea*. Shows broad spectrum antibacterial activity. Powder + H_2O. Mp 102-112° dec. $[\alpha]_D^{25}$ +158° (c, 0.5 in H_2O).

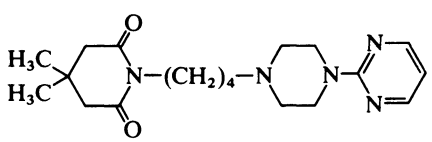
2-Hydroxy-6′-N-Me: [88426-42-0].
$C_{21}H_{43}N_5O_8$ M 493.599
Prod. by *M. purpurea* in the presence of D-Streptamine. Active against gram-positive and -negative bacteria. Solid + $1.75H_2SO_4$ + $4.5H_2O$. Mp 244-246°.

Weinstein, M.J. *et al, J. Med. Chem.*, 1963, **6**, 463 (*isol*)
Cooper, D.J. *et al, J. Chem. Soc.* (*C*), 1971, 2876, 3126 (*isol, ms, nmr, struct*)
Morton, J.B. *et al, J. Am. Chem. Soc.*, 1973, **95**, 7464 (*cmr*)
Okachi, R. *et al, J. Antibiot.*, 1974, **27**, 793 (*isol, uv, ir, pmr*)
Daniels, P.J.L. *et al, J. Antibiot.*, 1975, **28**, 35 (*isol, struct, ir, nmr*)
Egan, R.S. *et al, J. Antibiot.*, 1975, **28**, 29 (*struct*)
Daniels, P.J.L. *et al, J. Chem. Soc., Perkin Trans. 1*, 1976, 1078 (*ms*)
Testa, R.T. *et al, J. Antibiot.*, 1976, **29**, 140 (*isol, biosynth*)
Berdy, J. *et al, J. Antibiot.*, 1977, **30**, 945 (*deriv*)
Nagabhushan, T.L. *et al, J. Antibiot.*, 1978, **31**, 43 (*deriv*)
Rosenkrantz, B.E. *et al, Anal. Profiles Drug Subst.*, 1980, **9**, 295 (*rev*)
Berdy, J. *et al, CA*, 1981, **95**, 78387 (*deriv*)
Davies, D.H. *et al, J. Chem. Soc., Perkin Trans. 1*, 1981, 2151 (*deriv*)
Ohkoshi, M. *et al, Jpn. J. Antibiot.*, 1982, **35**, 691 (*Micronomicin*)
Odakura, Y. *et al, J. Antibiot.*, 1983, **36**, 125 (*biosynth, isol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6413 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 89, 736.

Gepirone, INN G-00019

4,4-Dimethyl-1-[4-[4-(2-pyrimidinyl]-1-piperazinyl]-butyl]-2,6-piperidinedione, 9CI. 3,3-Dimethyl-1-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]glutarimide

[83928-76-1]



$C_{19}H_{29}N_5O_2$ M 359.470

Anxiolytic, tranquilliser.

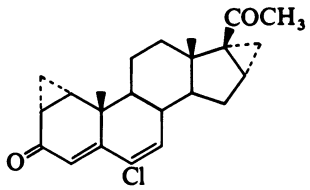
B,HCl: [83928-66-9]. *Gepirone hydrochloride, USAN. BMY 13805-1. MJ 13805-1.* Trimorphic cryst. Mp 180°, Mp 200°, Mp 212°.

Yevich, J.P. *et al, J. Med. Chem.*, 1983, **26**, 194 (*synth, pharmacol*)
Behme, R.J. *et al, J. Pharm. Sci.*, 1985, **74**, 1041 (*polymorphism*)
Caccia, S. *et al, Xenobiotica*, 1985, **15**, 835 (*metab*)
New, J.S. *et al, J. Med. Chem.*, 1986, **29**, 1476 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19247.

Gestaclone, INN, USAN G-00020

17-Acetyl-6-chloro-1,2,8,9,10,11,12,13,14,15,16,17,20,21-tetradecahydro-10,13-dimethyl-3H-dicyclopropa[1,2:16,17]-cyclopenta[a]phenanthren-3-one, 9CI. SH 1040

[19291-69-1]



$C_{23}H_{27}ClO_2$ M 370.918

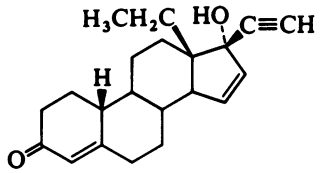
Progestin. Mp 230-232°.

B.P., 1 095 958, (*1967*); *CA*, **69**, 27645a (*synth, pharmacol*)

Gestodene, BAN, USAN, INN G-00021

13β-Ethyl-17α-hydroxy-18,19-dinor-4,15-pregnadien-20-yn-3-one, 9CI. SHB 331

[60282-87-3]



$C_{21}H_{26}O_2$ M 310.435

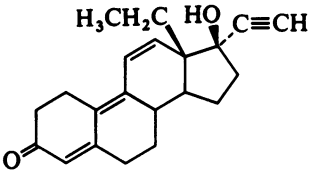
Orally active progestogen effective at low dosage. Used in conjunction with ethinyloestradiol. Cryst. (EtOAc). Mp 198°. $[\alpha]_D^{22}$ −185.7° (c, 0.5 in $CHCl_3$).

Losert, W. *et al, Arzneim.-Forsch.*, 1985, **35**, 459.
Hofmeister, H. *et al, Arzneim.-Forsch.*, 1986, **36**, 781 (*synth, pharmacol*)
van Geerestein, V.J. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 2402 (*cryst struct*)
Eckle, E. *et al, Justus Liebigs Ann. Chem.*, 1988, 199 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18649.

Gestrinone, USAN, INN G-00022

13-Ethyl-17α-hydroxy-18,19-dinorpregna-4,9,11-trien-20-yn-3-one, 9CI, 8CI. Ethylnorgestrienone. A 46745. R 2323. RU 2323

[16320-04-0]



$C_{21}H_{24}O_2$ M 308.419

Progestin. Cryst. (C_6H_6/cyclohexane). Mp 154°. $[\alpha]_D$ +84.6° (c, 0.41 in MeOH).

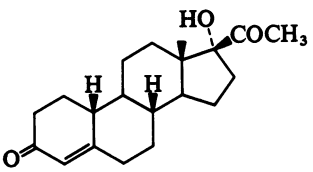
▷JF7964000.

B.P., 1 069 709, (*1967*); *CA*, **67**, 117109 (*synth, pharmacol*)
Victor, A. *et al, Contraception*, 1975, **12**, 89 (*pharmacol*)
CA, 1979, **91**, 57270 (*synth*)
Delettre, J. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 2965 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12782.

Gestronol, BAN G-00023

17α-Hydroxy-19-nor-4-pregnene-3,20-dione. Gestonorone

[2137-18-0]



$C_{20}H_{28}O_3$ M 316.439

Progestational steroid. Cryst. Mp 200-202°.

Hexanoyl: [1253-28-7]. ***Gestonorone caproate, USAN, INN.*** *Gestronol hexanoate. Depostat. Primostat. NSC 84054. SH 582.*

$C_{26}H_{38}O_4$ M 414.584

Contraceptive. Cryst. Mp 123-124°. $[\alpha]_D$ +13° ($CHCl_3$).

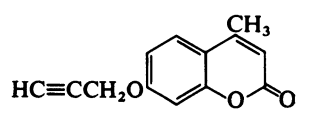
▷RC8960700.

U.S.P., 3 014 931, (*1962*); *CA*, **57**, 2290 (*synth*)
Breuer, H. *et al, Acta Endocrinol.*, 1966, **51**, 114 (*metab*)
Popper, A. *et al, Arzneim.-Forsch.*, 1969, **19**, 352 (*synth*)
Pitchford, A.G., *Proc. Roy. Soc. Med.*, 1972, **65**, 128 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9055.

Giparmen, INN G-00024

4-Methyl-7-(2-propynyloxy)-2H-1-benzopyran-2-one, 9CI. 4-Methyl-7-(2-propynyloxy)coumarin. Algorene. JB 2

[67268-43-3]



$C_{13}H_{10}O_3$ M 214.220

Analgesic. Cryst. (EtOH). Mp 138°.

Ger. Pat., 2 751 921, (*1978*); *CA*, **89**, 109099c (*synth, pharmacol*)
Toffoli, P. *et al, Acta Crystallogr., Sect. C*, 1985, **41**, 933 (*cryst struct*)

Giractide, INN G-00025

1-Glycine-18-L-argininamide-α^{1-18}-corticotropin, 8CI. Acthormon. Octadecactide. Renactid. S 50022

[24870-04-0]

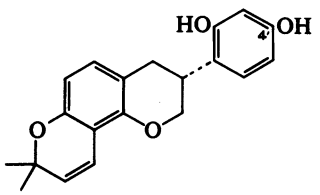
Gly-Tyr-Ser-Met-GluNH$_2$-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-NH$_2$

$C_{100}H_{156}N_{34}O_{22}S$ M 2218.607

Synthetic corticotropin. $[\alpha]_D^{23}$ −55.3° (c, 0.51 in AcOH).

Otsuka, H. *et al, Bull. Chem. Soc. Jpn.*, 1970, **43**, 196 (*synth, pharmacol*)
Takebe, K. *et al, J. Clin. Endocrinol. Metab.*, 1971, **33**, 356 (*pharmacol*)
Ger. Pat., 2 157 535, (*1972*); *CA*, **77**, 66192 (*use*)
Terabe, S. *et al, J. Chromatogr.*, 1979, **172**, 163 (*hplc*)

Glabridin G-00026



$C_{20}H_{20}O_4$ M 324.376

(R)-form [59870-68-7]

Constit. of the root of *Glycyrrhiza glabra*. Plates (C_6H_6). Mp 154-155°. $[\alpha]_D^{20}$ +8.2° (c, 2.07 in $CHCl_3$).

2'-Me ether: ***2'-O-Methylglabridin***.
$C_{21}H_{22}O_4$ M 338.402
Constit. of *G. glabra*. Antimicrobial. Needles (EtOH). Mp 124-126°.

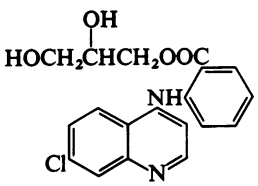
Di-Me ether: [59870-70-1]. Needles (EtOH). Mp 109-111°. $[\alpha]_D^{28}$ +11.8° ($CHCl_3$).

Saitoh, T. *et al, Chem. Pharm. Bull.*, 1976, **24**, 752 (*isol, struct, cd, abs config*)
Mitscher, L.A. *et al, Heterocycles*, 1978, **9**, 1533 (*deriv*)
Vermes, B. *et al, Justus Liebigs Ann. Chem.*, 1983, 2034 (*synth*)

Glafenine, INN, JAN G-00027

2,3-Dihydroxypropyl 2-(7-chloro-4-quinolinyl)-aminobenzoate, 9CI. 2,3-Dihydroxypropyl N-(7-chloro-4-quinolyl)anthranilate. R 1707. Glaphenine. Glifan. Glifanan. Numerous proprietary names

[3820-67-5]



$C_{19}H_{17}ClN_4O_4$ M 400.821

▷CB2687000.

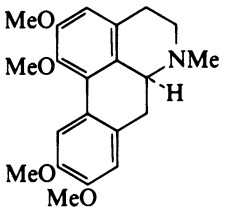
(±)-form

Analgesic. Pale yellow prisms. Mp 170°.

Ruedy, J. *et al, J. Clin. Pharmacol.*, 1971, **11**, 378 (*pharmacol*)
Allais, A. *et al, Eur. J. Med. Chem.*, 1973, **8**, 154 (*synth*)
Chevet, D. *et al, Therapie*, 1974, **29**, 575 (*tox*)
Pottier, J. *et al, Eur. J. Drug Metab. Pharmacokinet.*, 1979, **4**, 109 (*metab*)
Mouzin, G. *et al, Synthesis*, 1980, 54 (*synth*)
Tournet, M.C. *et al, J. Chromatogr.*, 1981, **224**, 348 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2654.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5132.

Glaucine G-00028

1,2,9,10-Tetramethoxyaporphine. Boldine dimethyl ether. 5,6,6a,7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4H-dibenzo[de,g]quinoline, 9CI



(S)-form Absolute configuration

$C_{21}H_{25}NO_4$ M 355.433

(R)-form [38325-02-9]

Mp 124-125°. $[\alpha]_D$ −115.4° (EtOH aq.).

(S)-form [475-81-0]

Alkaloid from a wide variety of genera in the Annonaceae (*Alphonsea, Annona, Polyalthia, Schefferomitra, Uvaria*), Berberidaceae (*Berberis, Mahonia*), Euphorbiaceae (*Croton*), Fumariaceae (*Corydalis, Dicentra*), Lauraceae (*Beilschmiedia, Ocotea, Litsea*), Magnoliaceae (*Liriodendron, Magnolia*), Menispermaceae (*Chasmanthera*), Papaveraceae (*Glaucium, Papaver*), Ranunculaceae (*Thalictrum, Aconitum*), Rhamnaceae (*Colubrina*) and Monimiaceae (*Hedycaria*). Shows antithrombotic, analgesic and antiinflammatory activity. Antifungal agent. Produces narcosis and convulsions in animals, also hypotension and respiratory depression. Antitussive agent with similar potency to Codeine. Mild muscle relaxant. Cryst. (EtOAc or pet. ether). Mp 120-121°. $[\alpha]_D$ +116° (c, 0.75 in EtOH).

▷Toxic, LD_{50} 4.8 mg/kg (i.v.)

B,HBr: [5996-06-5]. *Bromcholitin. Glauvent. Tussiglaucin.* Cryst. Mp 235°.

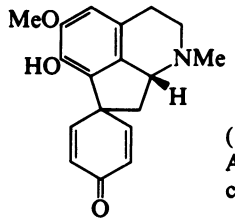
(±)-form [5630-11-5]

Mp 137-139°.

Go, J., *J. Pharm. Soc. Jpn.*, 1930, **50**, 933 (*isol*)
Corrodi, H. *et al, Helv. Chim. Acta*, 1956, **39**, 889 (*abs config*)
Baarschers, W.H. *et al, J. Chem. Soc.*, 1964, 4478 (*pmr, ms*)
Jackson, A.H. *et al, J. Chem. Soc. (C)*, 1966, 2061 (*synth, pmr, uv*)
Shamma, M. *et al, J. Pharm. Sci.*, 1968, **57**, 262 (*isol, ir*)
Kametani, T. *et al, Tetrahedron*, 1969, **25**, 3667 (*synth, ir, uv*)
Aleshinskaya, E.E., *Khim.-Farm. Zh.*, 1976, **10**, 144 (*pharmacol*)
Hartenstein, J. *et al, Angew. Chem.*, 1977, **89**, 739 (*synth*)
Ricca, G. *et al, Gazz. Chim. Ital.*, 1979, **109**, 1 (*cmr*)
Kase, Y. *et al, Arzneim.-Forsch.*, 1983, **33**, 936, 947 (*pharmacol*)
Kerr, K.M. *et al, J. Nat. Prod.*, 1986, **49**, 576 (*pmr*)
Czarnocki, Z. *et al, Can. J. Chem.*, 1987, **65**, 2356 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19251.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2541.

Glaziovine, INN **G-00029**

[6808-72-6]



(+)-*form*
Absolute configuration

$C_{18}H_{19}NO_3$ M 297.353

▷LZ2830000.

(+)-*form*

Alkaloid from *Ocotea glaziovii, Meconopsis cambrica* and *Litsea laurifolia* (Lauraceae, Papaveraceae). Claimed antidepressant activity. Weak tumour inhibitor. Mp 235-237° dec. $[\alpha]_D$ +7° (c, 1 in $CHCl_3$). The natural alkaloid is largely racemic. In some plants there is an excess of the (−)-form.

Tetrahydro: Mp 112-116°.

(±)-*form* [17127-48-9]

Glazen. 6-Methylcrotsparine. PM 297. Suavedol
From *O. glaziovii*. Antidepressant. Mp 227-228° dec.

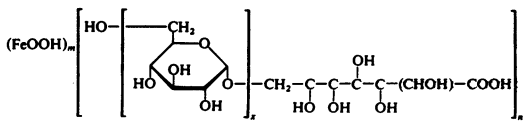
Tetrahydro: ***Tetrahydroglaziovine***.
$C_{18}H_{23}NO_3$ M 301.385
Alkaloid from *Croton sparsiflorus* (Euphorbiaceae). Mp 163-164°.

Gilbert, B. *et al, J. Am. Chem. Soc.*, 1964, **86**, 261 (*isol, uv, ir, pmr, struct*)
Ferrari, G. *et al, Farmaco, Ed. Sci.*, 1970, **25**, 449 (*config*)
Kametani, T. *et al, Tetrahedron Lett.*, 1973, 4219 (*synth*)
Casagrande, C. *et al, J. Chem. Soc., Perkin Trans. 1*, 1975, 1659 (*Tetrahydroglaziovine*)
Bindra, J.S. *et al, J. Org. Chem.*, 1977, **42**, 910 (*synth*)
De Angelis, L., *Drugs of Today*, 1977, **13**, 22 (*rev, pharmacol*)
Marzo, A. *et al, Arch. Int. Pharmacodyn. Ther.*, 1977, **227**, 254 (*metab*)
Ricca, G.S. *et al, Org. Magn. Reson.*, 1977, **9**, 8 (*cmr*)
Marzo, A. *et al, Eur. J. Clin. Pharmacol.*, 1978, **13**, 219 (*pharmacokinet*)
Fajardo, V. *et al, J. Chem. Soc., Chem. Commun.*, 1982, **23**, 1350 (*nmr*)
Madhusudanan, K.P. *et al, Indian J. Chem., Sect. B*, 1985, **24**, 523 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12785.

Gleptoferron, INN, USAN, BAN **G-00030**

Iron heptonate. Gleptosil. Heptomer

[57680-55-4]



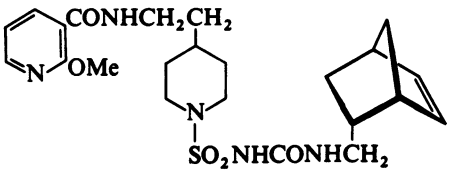
A β-ferric oxide hydroxide complex with dextran and glucoheptonic acid. Haematinic (veterinary).

Bogan, J.A., *Drugs of Today*, 1978, **14**, 568 (*rev*)
Pollmann, D.S. *et al, J. Anim. Sci.*, 1983, **56**, 640 (*use*)

Gliamilide, USAN, INN **G-00031**

CP 27634

[51876-98-3]



$C_{23}H_{33}N_5O_5S$ M 491.604

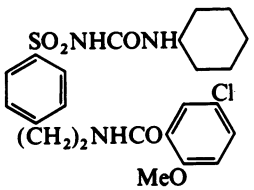
Antidiabetic drug. Mp 143-145°.

Ryan, J.R. *et al, Clin. Pharmacol. Ther.*, 1975, **17**, 243 (*pharmacol*)
Kuhla, D.E. *et al, J. Heterocycl. Chem.*, 1978, **15**, 565 (*synth*)

Glibenclamide, BAN, INN, JAN **G-00032**

5-Chloro-N-[2-[4-[[[(cyclohexylamino)carbonyl]-amino]sulfonyl]phenyl]ethyl]-2-methoxybenzamide, 9CI. 1-[[p-[2-(5-Chloro-o-anisamido)ethyl]phenyl]-sulfonyl]-3-cyclohexylurea, 8CI. ***Glyburide, USAN.*** *Daonil. Euglucon. Numerous proprietary names*

[10238-21-8]



$C_{23}H_{28}ClN_3O_5S$ M 494.004

Antidiabetic. Cryst. (EtOH/DMF) or (MeOH). Mp 172-174°.

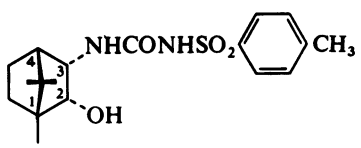
▷YS4725200.

Aumüller, W. *et al, Arzneim.-Forsch.*, 1966, **16**, 1640 (*synth*)
Weber, H. *et al, Arzneim.-Forsch.*, 1969, **19**, 1323 (*numerous papers*)
Takla, P.G., *Anal. Profiles Drug Subst.*, 1981, **10**, 337 (*rev*)
Krall, L.P. *et al, Clin. Ther.*, 1984, **6**, 746 (*rev, pharmacol*)
Prendergast, B.D., *Clin. Pharm.*, 1984, **3**, 473 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6870 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7217.

Glibornuride, BAN, INN, USAN **G-00033**

N-[[(3-Hydroxy-4,7,7-trimethylbicyclo[2.2.1]hept-2-yl)amino]carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-(2-Hydroxy-3-bornyl)-3-(p-tolylsulfonyl)urea, 8CI. Glitrim. Gluborid. Glutrid. Glutril. Glutrim. Glytril. Glytrim. Logiston. Ro 6-4563

[26944-48-9]



$C_{18}H_{26}N_2O_4S$ M 366.474

(1R,2R,3S,4S)-form

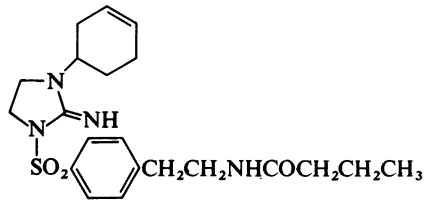
Antidiabetic drug. Cryst. (EtOH aq.). Mp 192-195°. $[\alpha]_D$ +63.8° (EtOH).

Bretschneider, H. *et al, Monatsh. Chem.*, 1969, **100**, 2133 (*synth*)
Lorch, E. *et al, Arzneim.-Forsch.*, 1972, **22**, 2153 (*pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7218.

Glibutimine, INN **G-00034**

N-[p-[[3-(3-Cyclohexen-1-yl)-2-imino-1-imidazolidinyl]sulfonyl]phenethyl]butyramide, 8CI. Glucidol. GP 51084

[25859-76-1]



$C_{21}H_{30}N_4O_3S$ M 418.553

Hypoglycaemic agent, antidiabetic. Mp 127-129°.

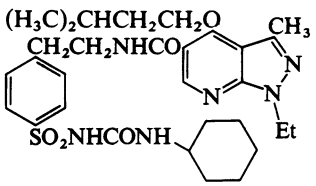
Ger. Pat., 1 912 847, (*1969*); *CA*, **72**, 12725q (*synth, pharmacol*)

U.S.P., 3 812 144, (*1974*); *CA*, **81**, 49682 (*synth, pharmacol*)

Glicaramide, INN **G-00035**

N-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]phenyl]ethyl]-1-ethyl-3-methyl-4-(3-methylbutoxy)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide, 9CI. 1-Cyclohexyl-3-[[p-[2-[1-ethyl-4-(isopentyloxy)-3-methyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamido]ethyl]phenyl]sulfonyl]urea. SQ 65,993

[36980-34-4]



$C_{30}H_{42}N_6O_5S$ M 598.759

Hypoglycaemic agent, antidiabetic. Cryst. (Me_2CO). Mp 166-167° dec.

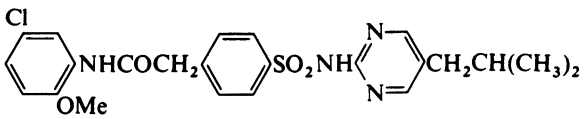
Hoehn, H. *et al*, *J. Med. Chem.*, 1973, **16**, 1340 (*synth, pharmacol*)

Polacek, I. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1242 (*pharmacol*)

Glicetanile, INN **G-00036**

N-(5-Chloro-2-methoxyphenyl)-4-[[[5-(2-methylpropyl)-2-pyrimidinyl]amino]sulfonyl]benzeneacetamide, 9CI. 5'-Chloro-2-[p-[(5-isobutyl-2-pyrimidinyl)sulfamoyl]phenyl]-o-acetanisidide, 8CI

[24455-58-1]



$C_{23}H_{25}ClN_4O_4S$ M 488.988

Antidiabetic. Mp 203°.

Na salt: [24428-71-5]. *Glicetanile sodium, USAN. Glydenile sodium. BS 1051. SH 1051.*

Gutsche, K. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1028 (*synth, pharmacol*)

Seydel, J.K. *et al*, *J. Med. Chem.*, 1975, **18**, 234 (*pmr*)

Gerhards, E. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 278 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7219.

Gliclazide, BAN, INN, JAN **G-00037**

N-[[(Hexahydrocyclopenta[c]pyrrol-2(1H)-yl)amino]carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-(Hexahydrocyclopenta[c]pyrrol-2(1H)-yl)-3-(p-tolylsulfonyl)urea, 8CI. N-(4-Methylbenzenesulfonyl)-N'-(3-azabicyclo[3.3.0]oct-3-yl)urea. 1-(3-Azabicyclo[3.3.0]oct-3-yl)-3-p-tolylsulfonylurea. Diamicron. Glimicron. Nordialex. Unava. S 1702

[21187-98-4]



$C_{15}H_{21}N_3O_3S$ M 323.409

Oral hypoglycaemic agent. Mp 180-182°.

▷YT4500000.

B.P., 1 153 982, (*1968*); *CA*, **70**, 47290e (*synth*)

Duhault, J. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1682 (*pharmacol, tox*)

Keen, H. *et al*, *R. Soc. Medicine Internatl. Congr. Symp. Ser.*, 1980, No. 20 (*book*)

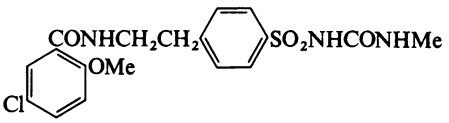
Oida, T. *et al*, *Xenobiotica*, 1985, **15**, 87 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7220.

Glicondamide, INN **G-00038**

5-Chloro-2-methoxy-N-[2-[4-[[[(methylamino)carbonyl]amino]sulfonyl]phenyl]ethyl]benzamide. 1-[[p-[2-(5-Chloro-o-anisamido)ethyl]phenyl]sulfonyl]-3-methylurea

[52994-25-9]



$C_{18}H_{20}ClN_3O_5S$ M 425.886

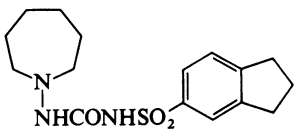
Hypoglycaemic agent, antidiabetic agent. Cryst. (DMF). Mp 206-208°.

U.S.P., 3 998 968, (*1975*); *CA*, **85**, 5396y (*synth, pharmacol*)

Glidazamide, INN **G-00039**

N-[[(Hexahydro-1H-azepin-1-yl)amino]carbonyl]-2,3-dihydro-1H-indene-5-sulfonamide, 9CI. 1-(Hexahydro-1H-azepin-1-yl)-3-(5-indansulfonyl)urea, 8CI. HZ 59

[3074-35-9]



$C_{16}H_{23}N_3O_3S$ M 337.436

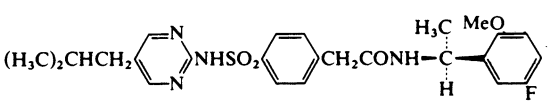
Antidiabetic agent. Cryst. (MeOH). Mp 169-170°.

U.S.P., 3 102 115, (*1963*); *CA*, **60**, 1707h (*synth, pharmacol*)

Breuer, H. *et al*, *Chim. Ther.*, 1973, **8**, 659 (*synth, pharmacol*)

Gliflumide, USAN, INN **G-00040**

N-[1-(5-Fluoro-2-methoxyphenyl)ethyl]-4-[[[5-(2-methylpropyl)-2-pyrimidinyl]amino]sulfonyl]-benzeneacetamide, 9CI. SH 31168. ZK 28200

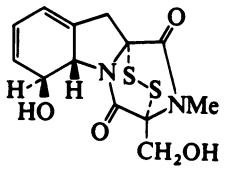


$C_{25}H_{29}FN_4O_4S$ M 500.587

(*S*)-*form* [35273-88-2]
Antidiabetic agent. Mp 164°. $[\alpha]_D^{20}$ −25° (c, 1.0 in $CHCl_3$).
Rufer, C. *et al*, *J. Med. Chem.*, 1974, **17**, 708 (*synth, pharmacol*)
Blumenbach, L. *et al*, *Int. J. Clin. Pharmacol. Biopharm.*, 1975, **12**, 141 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7221.

Gliotoxin G-00041

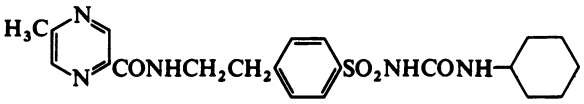
2,3,5a,6-Tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-10H-3,10a-epidithiopyrazino[1,2-a]indole-1,4-dione, *9CI*, *8CI*. *Aspergillin. SN 12870*
[67-99-2]



$C_{13}H_{14}N_2O_4S_2$ M 326.385
Epithiodioxopiperazine antibiotic. Isol. from *Gliocladium fimbriatum*, *Aspergillus fumigatus* and *Penicillium* spp. Shows antiviral activity, of limited use as agricultural fungicide. Also shows immunomodulating activity. Monoclinic cryst. (MeOH). Mp 221° dec. $[\alpha]_D^{25}$ −290° (c, 0.078 in EtOH).
▷KB4725000.
Ac: ***Acetylgliotoxin***.
$C_{15}H_{16}N_2O_5S_2$ M 368.422
Isol. from *Penicillium terlikowskii*. Antibiotic. Pale-yellow rhombic cryst. (C_6H_6). Mp 162-163°. $[\alpha]_D^{19}$ −197° (c, 0.6 in $CHCl_3$).
Dibenzoyl: Plates ($CHCl_3$/MeOH). Mp 192-193° dec. $[\alpha]_D^{22}$ −20° (c, 1 in $CHCl_3$).
Bis(4-bromobenzoyl): Needles (dioxan aq.). Mp 193° dec. $[\alpha]_D$ −20° (c, 1 in $CHCl_3$).
Bis(4-nitrobenzoyl): Prismatic rods ($CHCl_3$/MeOH). Mp 189° dec. $[\alpha]_D^{22}$ −13° (c, 1 in $CHCl_3$).
Johnson, D. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 2005 (*isol, uv, props*)
Bell, M.R. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1001 (*struct, uv, ir*)
Beecham, A.F. *et al*, *Tetrahedron Lett.*, 1966, 3131 (*cryst struct, abs config*)
Bose, A.K. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 1038 (*biosynth, ms*)
Johns, N. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 383 (*biosynth*)
Fukuyama, T. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6723 (*synth*)
Fukuyama, T. *et al*, *Tetrahedron*, 1981, **37**, 2045 (*synth*)
Nagarajan, R., *Dev. Food Sci.*, 1984, **8**, 351 (*rev*)
Waring, P. *et al*, *Tetrahedron Lett.*, 1986, **27**, 735 (*isol, struct, nmr, ms*)
Kirby, G.W. *et al*, *Tetrahedron Lett.*, 1986, **27**, 5539 (*synth*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 571, 575.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 326.

Glipizide, BAN, USAN, INN G-00042

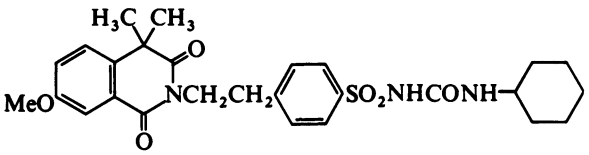
N-[2-[4-[[[(*Cyclohexylamino*)*carbonyl*]*amino*]*sulfonyl*]*phenyl*]*ethyl*]-*5-methylpyrazinecarboxamide*, *9CI*. *1-Cyclohexyl-3-*[[p-[2-(*5-methylpyrazinecarboxamido*)*ethyl*]*phenyl*]*sulfonyl*]*urea*, *8CI*. *Glydiazinamide. Glibenese. Minodiab. Other proprietary names*
[29094-61-9]



$C_{21}H_{27}N_5O_4S$ M 445.535
Antidiabetic drug. Cryst. (EtOH). Mp 208-209°.
Ambrogi, V. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 200, 208, 215, 242 (*pharmacol, synth*)
Brogden, R.N. *et al*, *Drugs*, 1979, **18**, 329 (*rev*)
Lebovitz, H.E. *et al*, *Am. J. Med.*, 1983, **75**, 46, 55 (*revs*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6268 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7222.

Gliquidone, BAN, INN G-00043

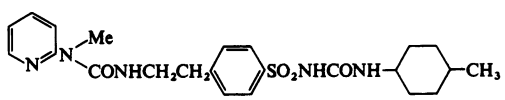
N-[(*Cyclohexylamino*)*carbonyl*]-*4*-[2-(*3,4-dihydro-7-methoxy-4,4-dimethyl-1,3-dioxo-2*(1H)-*isoquinolinyl*)*ethyl*]*benzenesulfonamide*, *9CI*. *Glurenor. Glurenorm. AR-DF 26. M 5276*
[33342-05-1]



$C_{27}H_{33}N_3O_6S$ M 527.634
Antidiabetic agent. Cryst. (MeOH). Mp 180-182°.
Ger. Pat., 2 011 126, (*1971*); *CA*, **76**, 14359c (*synth*)
Kopitar, Z. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1455, 1933 (*metab*)
Hopkins, S.J. *et al*, *Drugs of Today*, 1980, **16**, 47 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7223.

Glisamuride, INN G-00044

N-[[(*4-Methylcyclohexyl*)*amino*]*carbonyl*]-*4*-[2-[[(*methyl-2-pyridinylamino*)*carbonyl*]*amino*]*ethyl*]-*benzenesulfonamide*, *9CI*. *1-Methyl-3-*[p-[[*3-*(*4-methylcyclohexyl*)*ureido*]*sulfonyl*]*phenethyl*]-*1-*(*2-pyridyl*)*urea*
[52430-65-6]

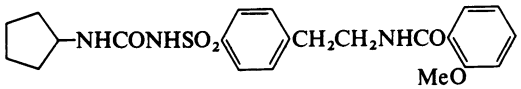


$C_{23}H_{31}N_5O_4S$ M 473.589
Hypoglycaemic agent, antidiabetic. Cryst. (EtOH/DMF). Mp 185-187°.
Ger. Pat., 2 238 870, (*1974*); *CA*, **80**, 146043q (*synth, pharmacol*)

Glisentide, INN **G-00045**

N-[*2*-[*4*-[[[(*Cyclopentylamino*)*carbonyl*]*amino*]-*sulfonyl*]*phenyl*]*ethyl*]-*2-methoxybenzamide*, *9CI*. *1-Cyclopentyl-3*-[[p-[*2*-(o-*anisamido*)*ethyl*]*phenyl*]-*sulfonyl*]*urea*. *Glipentide*. *Staticum*. *UR 661*

[32797-92-5]



$C_{22}H_{27}N_3O_5S$ M 445.532

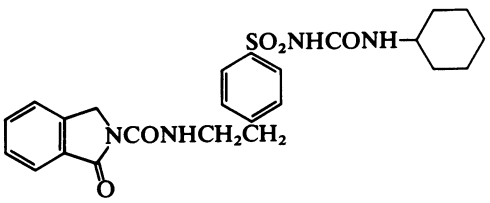
Hypoglycaemic agent, antidiabetic. Cryst. (EtOH). Mp 172-174°.

Morell, J., *Biochem. Pharmacol.*, 1974, **23**, 2922 (*pharmacol*)
Francia, E. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 379 (*synth, pharmacol*)
Rimbau, B.V. *et al*, *Arch. Farmacol. Toxicol.*, 1976, **2**, 115 (*pharmacol*)
Chanal, J.L. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 852 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12786.

Glisindamide, INN **G-00046**

N-[*2*-[*4*-[[[(*Cyclohexylamino*)*carbonyl*]*amino*]-*sulfonyl*]*phenyl*]*ethyl*]-*1,3-dihydro-1-oxo-2*H-*isoindole-2-carboxamide*, *9CI*. N-[*4*-[*2*-(*1-Oxoisoindoline-2-carboxamido*)*ethyl*]*benzenesulfonyl*]-N′-*cyclohexylurea*

[71010-45-2]



$C_{24}H_{28}N_4O_5S$ M 484.569

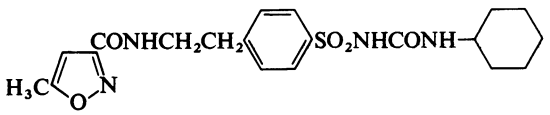
Oral hypoglycaemic agent. Cryst. (Me_2CO aq.). Mp 214-216°.

B.P., 2 024 221, (*1980*); *CA*, **93**, 95127 (*synth, pharmacol*)
Geisen, K. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 707 (*props*)

Glisolamide, INN **G-00047**

N-[*2*-[*4*-[[[(*Cyclohexylamino*)*carbonyl*]*amino*]-*sulfonyl*]*phenyl*]*ethyl*]-*5-methyl-3-isoxazolecarboxamide*, *9CI*. *1-Cyclohexyl-3*-[[p-[*2*-(*5-methyl-3-isoxazolecarboxamido*)*ethyl*]*phenyl*]*sulfonyl*]*urea*, *8CI*. *Diabenor*

[24477-37-0]



$C_{20}H_{26}N_4O_5S$ M 434.509

Hypoglycaemic agent, antidiabetic. Mp 198°.

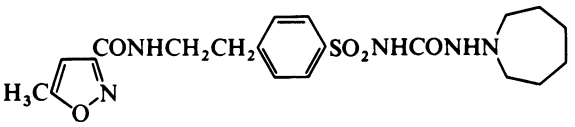
▷YS7609600.

Pluempe, H. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 363 (*synth, pharmacol*)
D'Alo, G. *et al*, *Boll. Chim. Farm.*, 1978, **117**, 348; 1979, **118**, 28 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12787.

Glisoxepide, BAN, INN **G-00048**

N-[*2*-[*4*-[[[[(*Hexahydro-1*H-*azepin-1-yl*)*amino*]-*carbonyl*]*amino*]*sulfonyl*]*phenyl*]*ethyl*]-*5-methyl-3-isoxazolecarboxamide*, *9CI*. *Glisepin*. *Glucoban*. *Glysepin*. *Pro-Diaban*. *Bay b 4231*. *RP 22410*

[25046-79-1]



$C_{20}H_{27}N_5O_5S$ M 449.524

Antidiabetic. Cryst. (EtOH). Mp 189°.

▷NY2350000.

South African Pat., 68 06 886, (*1969*); *CA*, **72**, 12716n (*synth*)
Loubatieres, A. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1970, **271**, 1446 (*pharmacol*)
Plümpe, H. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 363 (*props, numerous papers*)
De Angelis, L., *Drugs of Today*, 1980, **16**, 15 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7224.

Globulin, Immune **G-00049**

Gamastan. *Gamimune*. *Gammagee*. *Gammar*. *Gamulin*. *Immuglobin*

[9007-83-4]

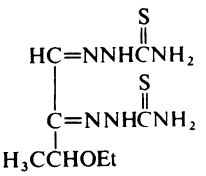
A heterogenous group of proteins synth. by lymphocytes and plasma cells. Divided into classes according to struct. and props. Immunising agent.

Stevenson, G.T., *Struct. Funct. Plasma Proteins*, 1974, **1**, 223 (*rev, struct, props*)
Vyas, G. *et al*, *Trends Haematol.*, 1975, 141 (*rev, isoln, struct, use*)
Delamore, I.W., *Haematol. Aspects Syst. Dis.*, 1976, 109 (*struct, biosynth*)
Franklin, E.C., *Textb. Immunopath., 2nd Ed.*, Ed. Miescher and Mueller-Ekerhard, NY, 1976, **1**, 31 (*rev*)
Turner, M.W., *Immunol. Med.*, 1977, 83 (*rev*)
Solomon, A., *Contemp. Hematol./Oncol.*, 1981, **2**, 399 (*rev*)

Gloxazone, BAN, USAN, INN **G-00050**

2,2′-[*1-*(*1-Ethoxyethyl*)*-1,2-ethanediylidene*]-*bishydrazinecarbothioamide*, *9CI*. *3-Ethoxy-2-oxobutyraldehyde bisthiosemicarbazone*, *8CI*. *Contrapar*. *BW 356C-61*. *BW 61-356*. *NSC 82116*

[2507-91-7]



$C_8H_{16}N_6OS_2$ M 276.374

▷ES2450000.

(±)-*form*

Antiprotozoan, anaplasmodastat. Also has antitumour and antiviral activity. Needles (MeOH aq.). Mp 202-204°.

▷ES2450000.

Petering, H.G. *et al*, *Cancer Chemother. Rep.*, 1966, **50**, 557 (*use*)
Taylor, M.R. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 1845 (*cryst struct*)
U.S.P., 3 824 276, (*1974*); *CA*, **81**, 77477 (*synth, pharmacol*)
Katz, E. *et al*, *J. Antimicrob. Chemother.*, 1976, **2**, 255 (*use*)
Wu, Y.-L. *et al*, *CA*, 1978, **89**, 146556 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12788.

Glucagon, BAN, USAN, INN, JAN G-00051

Hyperglycaemic-glycogenolytic factor. HG-factor. HGF

[9007-92-5]

^{1}His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Tyr-Leu-Met-Asn-^{29}Thr

M ca. 3550

Primary struct. of glucagon from all mammalian spp. studied so far is the same, with the exception of the turkey which differs by one amino acid residue. Polypeptide hormone prod. in the alpha cells of the islets of Langerhans in the pancreas. Hyperglycaemic. Rhombic dodecahedra. Prac. insol. H_2O, sol. <pH3 and >pH9.5.

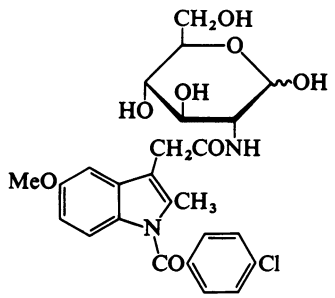
▷LZ3980000.

Kimball, C.P. *et al*, *J. Biol. Chem*, 1923, **58**, 337.
Murlin, J.R. *et al*, *J. Biol. Chem*, 1923, **56**, 253.
Staub, A. *et al*, *Science*, 1953, **117**, 628; *J. Biol. Chem*, 1955, **214**, 619 (*purifn*)
Bromer, W.W. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 2807; *J. Biol. Chem*, 1971, **246**, 2822 (*struct*)
Wünsch, E. *et al*, *Chem. Ber.*, 1964, **97**, 2497, 3298; 1965, **98**, 797; 1966, **99**, 101; 1967, **100**, 160 (*synth*)
Bertaccini, G. *et al*, *Handb. Exp. Pharmacol.*, 1982, **59**, 137; 1983, **66**, 23, 37, 361, 667 (*rev, pharmacol, metab, conformn, cryst struct, synth*)
Gyr, K., *Trends Pharmacol. Sci.*, 1982, **3**, 367 (*rev, pharmacol*)
Wuethrich, K., *Biomed. Res.*, 1984, **5**, 151 (*rev, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7711.

Glucametacin, INN G-00052

2-[[[1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indol-3-yl]acetyl]amino]-2-deoxyglucose, 9CI. Indometacin glucosamide. Euminex. Eutrivan. Indicin. Indoglucin. Indosamide. Teorema. Teoremac. Teoremin

[52443-21-7]

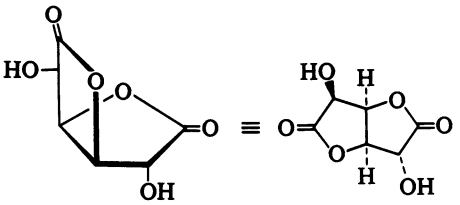


$C_{25}H_{27}ClN_2O_8$ M 518.950

Antiinflammatory, antipyretic agent.

Ger. Pat., 2 223 051, (*1973*); *CA*, **80**, 88529e (*synth, tox, pharmacol*)
Paroli, E. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 819 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2655.

1,4:6,3-Glucarodilactone G-00053



$C_6H_6O_6$ M 174.110

D-form [826-91-5]

$[\alpha]_D^{18}$ +155° → +43.5° (32 hr.) (c, 1.0 in H_2O).

2,5-Di-Me:

$C_8H_{10}O_6$ M 202.163

Mp 50-51°. $[\alpha]_D$ +179° (5 m) → 62° (22 hr.) → +54° (6 d) (c, 0.7 in H_2O).

2,5-Di-Ac: [642-83-1]. ***Aceglatone, INN, JAN***. *Glucaron.*

$C_{10}H_{10}O_8$ M 258.184

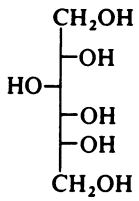
β-Glucuronidase inhibitor, antineoplastic agent. Insol. H_2O. Mp 185-186°.

▷LZ3990000.

Smith, F., *J. Chem. Soc.*, 1944, 633.
Hirasaka, Y. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 325.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12305.

Glucitol, 9CI, 8CI G-00054

[50-70-4]



$C_6H_{14}O_6$ M 182.173

▷LZ4290000.

D-form [50-70-4]

D-Sorbitol. L-Gulitol. Numerous proprietary names

Occurs widely in plants ranging from algae to the higher orders. Fruits of the plant family Rosaceae, which include apples, pears, cherries, apricots, contain appreciable amounts. Rich sources are the fruits of the *Sorbus* and *Crataegus* spp. Used for manuf. of sorbose, propylene glycol, ascorbic acid, resins, plasticisers and as antifreeze mixts. with glycerol or glycol. Tablet excipient, sweetening agent and humectant. Needles + ½or 1H_2O (EtOH) with sweet taste (60% of sucrose). Freely sol. H_2O, fairly sol. hot EtOH, spar. sol. cold EtOH. Mp 97° (stable form), Mp 92° (labile form), Mp 110-112° (anhyd.). $[\alpha]_D^{20}$ −2.0° (H_2O), $[\alpha]_D$ +7° (borax), $[\alpha]_D$ +31° (molybdate).

▷LZ4290000.

4,6-O-Benzylidene: 4,6-O-Benzylidene-D-glucitol.

$C_{13}H_{18}O_6$ M 270.282

Mp 132-133°. $[\alpha]_D$ −40.7° (H_2O).

2,4:3,5-Di-O-benzylidene: 2,3:4,5-Di-O-benzylidene-D-glucitol.

$C_{20}H_{22}O_6$ M 358.390

Mp 208°. $[\alpha]_D$ −14.8° (Me_2CO).

1,3:2,4-Di-O-benzylidene: 1,3:2,4-Di-O-benzylidene-D-glucitol.

$C_{20}H_{22}O_6$ M 358.390

Mp 220-221°. $[\alpha]_D$ +21.6° (Py).

1,3:2,4:5,6-Tri-O-benzylidene: 1,3:2,4:5,6-Tri-O-benzylidene-D-glucitol.
$C_{27}H_{26}O_6$ M 446.499
Mp 185° (203°). $[\alpha]_D$ +30° ($CHCl_3$).

4,6-O-Ethylidene: 4,6-O-Ethylidene-D-glucitol.
$C_8H_{16}O_6$ M 208.211
Mp 99-100°. $[\alpha]_D$ −44.4° (H_2O).

1,3:2,4-Di-O-ethylidene: 1,2:3,4-Di-O-ethylidene-D-glucitol.
$C_{10}H_{18}O_6$ M 234.249
Mp 212-214°. $[\alpha]_D$ −11.1° (H_2O).

1,2:3,4:5,6-Tri-O-isopropylidene: 1,2:3,4:5,6-Tri-O-isopropylidene-D-glucitol.
$C_{15}H_{26}O_6$ M 302.367
Mp 48°. $[\alpha]_D$ +14.3° (EtOH).

1,3:2,4:5,6-Tri-O-methylene:
$C_9H_{14}O_6$ M 218.206
Mp 212-216°. $[\alpha]_D$ −30.8° ($CHCl_3$).

Hexa-Ac: [7208-47-1]. *1,2,3,4,5,6-Hexa-O-acetyl-D-glucitol.*
$C_{18}H_{26}O_{12}$ M 434.396
Mp 99° (120°). $[\alpha]_D^{18}$ +6.8° (Me_2CO).

6-Benzoyl: [14200-62-5].
$C_{13}H_{18}O_7$ M 286.281
Mp 141-143°. $[\alpha]_D^{29}$ +18.2° (c, 0.42 in H_2O).

1,2,4,6-Tetrabenzoyl: [20869-36-7].
$C_{34}H_{30}O_{10}$ M 598.605
Mp 164-166°. $[\alpha]_D^{18}$ +16.8° (c, 1.08 in DMF).

1,2,5,6-Tetrabenzoyl: [20963-95-5].
$C_{34}H_{30}O_{10}$ M 598.605
Mp 169-171°. $[\alpha]_D^{18}$ −27.6° (c, 0.87 in DMF).

Hexabenzoyl: [20869-38-9]. *1,2,3,4,5,6-Hexa-O-benzoyl-D-glucitol.*
$C_{48}H_{38}O_{12}$ M 806.821
Mp 128-130°. $[\alpha]_D^{18}$ +28° (c, 1.1 in $CHCl_3$).

Hexakis(3-pyridinecarboxylate): [6184-06-1]. *D-Glucitolhexanicotinate, 8CI.* ***Sorbinicate, INN.*** *Nicosorbine. Nicosterolo.*
$C_{42}H_{32}N_6O_{12}$ M 812.748
Drug for treatment of circulatory disorders. Coronary vasodilator. Mp 210-211.5°.

Fe III complex, compd. with citric acid: [1338-16-5]. ***Iron sorbitex, USAN.*** *Jectofer.* Haematinic. A colloidal soln. containing Fe III, sorbitol and citrate stabilised with dextrin.

▷NO8350000.

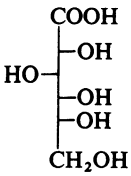
L-form

L-Sorbitol. D-Gulitol
Unknown in nature. Mp 89-91°. $[\alpha]_D$ +1.7° (H_2O).

DL-form
Mp 136-138°.

Barker, S.A. *et al, Adv. Carbohydr. Chem.*, 1952, **7**, 137 (*rev*)
Lindvall, S. *et al, Br. J. Pharmacol. Chemother.*, 1961, **17**, 358 (*synth, pharmacol, iron sorbitex*)
Tauro, C.S. *et al, Boll. Chim. Farm.*, 1961, **100**, 723 (*sorbinicate*)
Thiel, I.M.E. *et al, J. Org. Chem.*, 1966, **31**, 3704.
Matsui, M. *et al, Chem. Pharm. Bull.*, 1968, **16**, 1288.
Park, Y.J. *et al, Acta Crystallogr., Sect. B*, 1971, **27**, 2393 (*cryst struct*)
Brimacombe, J.S. *et al, The Carbohydrates*, Academic Press, 1972, **1A**, 479 (*rev*)
Colson, P. *et al, Can. J. Chem.*, 1975, **53**, 1030 (*cmr*)
Koester, R. *et al, Justus Liebigs Ann. Chem.*, 1975, 752 (*synth, pmr*)
Subissi, A. *et al, Arzneim.-Forsch.*, 1978, **28**, 1143 (*sorbinicate*)
Giachetti, C. *et al, Arzneim.-Forsch.*, 1982, **32**, 1433 (*sorbinicate*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 571 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 618, 5070, 13262.

Gluconic acid, 9CI, 8CI **G-00055**



$C_6H_{12}O_7$ M 196.157

D-form [526-95-4]
Needles. Mp 130-132°. $[\alpha]_D^{20}$ −6.7° → +11.7° (H_2O, 5 d). pK_a 3.6.

Ca salt: [18016-24-5]. *Calcium gluconate, USAN. Calglucon.* Electrolyte replenisher. $[\alpha]_D^{20}$ +8.5° (c, 3.0 in H_2O). Component of Calcet.

Ca salt, 6-trityl: $[\alpha]_D^{22}$ +7.7° (Me_2CO).

Ca salt, 6-trityl, 2,3,4,5-tetrabenzoyl: Mp 173°. $[\alpha]_D^{18}$ +36.0° (Py).

Fe^{2+} salt: see Ferrous gluconate, F-00093

Cyclohexylammonium salt: Mp 114-116° subl.

Brucine salt: Mp 120-122° (hydrate), 155-157°. $[\alpha]_D^{20}$ −18.8° (H_2O).

2,3,4,5,6-Penta-Ac:
$C_{16}H_{22}O_{12}$ M 406.343
Mp 109-111°. $[\alpha]_D$ +11.2°.

Et ester: Ethyl D-gluconate.
$C_8H_{16}O_7$ M 224.210
Mp 62-63°.

Et ester, 2,3,4,6-tetrabenzoyl: Ethyl 2,3,4,6-tetra-O-benzoyl-D-gluconate.
$C_{36}H_{32}O_{11}$ M 640.642
$[\alpha]_D^{20}$ +14.8° (c, 0.8 in $CHCl_3$).

Et ester, 2,3,5,6-tetrabenzoyl: Ethyl 2,3,5,6-tetra-O-benzoyl-D-gluconate.
$C_{36}H_{32}O_{11}$ M 640.642
Mp 175°. $[\alpha]_D^{23}$ +30.7° (c, 0.8 in $CHCl_3$).

Me ester, 2,3,4,5,6-penta-Ac: Methyl 2,3,4,5,6-penta-O-acetyl-D-gluconate.
$C_{17}H_{24}O_{12}$ M 420.369
Mp 124°.

Propyl ester, 2,3,4,5,6-penta-Ac:
$C_{19}H_{28}O_{12}$ M 448.423
Mp 82°. $[\alpha]_D^{25}$ +12.5° (c, 2.0 in $CHCl_3$).

Isopropyl ester, 2,3,4,5,6-penta-Ac: Isopropyl 2,3,4,5,6-penta-O-acetyl-D-gluconate.
$C_{19}H_{28}O_{12}$ M 448.423
Mp 95°. $[\alpha]_D^{25}$ +11.5° (c, 2.0 in $CHCl_3$).

Me ester, 2,3,4,6-tetrabenzoyl: Methyl 2,3,4,6-tetra-O-benzoyl-D-gluconate.
$C_{35}H_{30}O_{11}$ M 626.615
$[\alpha]_D^{23}$ +20.2° (c, 1.0 in $CHCl_3$).

Me ester, 2,3,5,6-tetrabenzoyl: Methyl 2,3,5,6-tetra-O-benzoyl-D-gluconate.
$C_{35}H_{30}O_{11}$ M 626.615
Mp 182-183°. $[\alpha]_D^{20}$ +35.5° (c, 1.0 in $CHCl_3$).

Amide: D-Gluconamide.
$C_6H_{13}NO_6$ M 195.172
Mp 143-144°. $[\alpha]_D^{26}$ +31.2° (H_2O).

Amide, 2,3,4,5,6-penta-Ac: 2,3,4,5,6-Pentaacetyl-D-gluconamide.
$C_{16}H_{23}NO_{11}$ M 405.358
Mp 183-184°. $[\alpha]_D^{21}$ +20.8° (Py).

Amide, 2,3,4,5,6-pentabenzoyl: 2,3,4,5,6-Penta-O-benzoyl-D-gluconamide.
$C_{41}H_{33}NO_{11}$ M 715.712
Mp 101-102°. $[\alpha]_D^{20}$ +30.2° (c, 1.0 in $CHCl_3$).

Amide, 1N,2,3,4,5,6-hexabenzoyl:
$C_{48}H_{37}NO_{12}$ M 819.820

Mp 85-87°. $[\alpha]_D^{20}$ +11.8° (c, 0.9 in $CHCl_3$).

Amide, 2,3,5,6-tetra-Me: 2,3,5,6-Tetra-O-methyl-D-gluconamide.
$C_{10}H_{21}NO_6$ M 251.279
Mp 91°. $[\alpha]_D^{24}$ +39.2° (H_2O).

Amide, 2,3,4,6-tetra-Me: 2,3,4,6-Tetra-O-methyl-D-gluconamide.
$C_{10}H_{21}NO_6$ M 251.279
Mp 68°. $[\alpha]_D$ +60.4° (Me_2CO).

Phenylhydrazide: Mp 200°. $[\alpha]_D^{20}$ +12° (H_2O).

Nitrile: [52387-29-8]. *D-Glucononitrile.*
$C_6H_{11}NO_5$ M 177.157
Mp 115-120°. $[\alpha]_D^{21}$ +8.8° (H_2O).

Nitrile, 2,3,4,5,6-pentabenzoyl: 2,3,4,5,6-Penta-O-benzoyl-D-glucononitrile.
$C_{41}H_{31}NO_{10}$ M 697.697
Mp 116-117°. $[\alpha]_D^{20}$ +16.4° (c, 1.0 in $CHCl_3$).

Nitrile, 2,3,4,5,6-penta-Ac: [6272-51-1]. *2,3,4,5,6-Penta-O-acetyl-D-glucononitrile.*
$C_{16}H_{21}NO_{10}$ M 387.343
Mp 83-84°. $[\alpha]_D^{22}$ +46.2° ($CHCl_3$).

Nitrile, 2,3,4,6-tetra-Me: 2,3,4,6-Tetra-O-methyl-D-glucononitrile.
$C_{10}H_{19}NO_5$ M 233.264
Mp 68°. $[\alpha]_D$ +60.4° (Me_2CO).

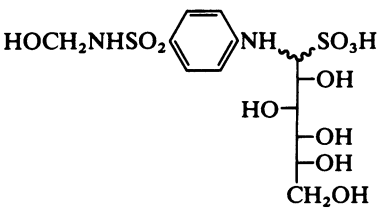
Nitrile, 2,3,5,6-tetra-Me: 2,3,5,6-Tetra-O-methyl-D-glucononitrile.
$C_{10}H_{19}NO_5$ M 233.264
Mp 91°. $[\alpha]_D^{40}$ +39.2° (H_2O).

Polymer with D-glucitol, Fe(III) salt: [56959-18-3]. *Glusoferron, INN.*

Tollens, B. *et al, Kurzes Handbuch der Kohlenhydrate*, 1943, Edwards Bros. Inc., Ann Arbor, 285.
Green, J.W., *Adv. Carbohydr. Chem.*, 1948, **3**, 153 (*rev*)
Tanabe, H. *et al, CA*, 19 , **58**, 8617ef (*synth, props*)
Frush, H.L. *et al, Methods Carbohydrate Chem.*, 1963, **2**, 14 (*synth, Ca salt*)
Fisch, D.C. *et al, Methods Enzymol.*, 1966, **9**, 53.
Humphlett, W.J., *Carbohydr. Res.*, 1967, **4**, 175 (*esters*)
Zhadanov, Y.A. *et al, Zh. Obshch. Khim.*, 1969, **39**, 1128.
de Lederkremer, R.M. *et al, Carbohydr. Res.*, 1970, **13**, 9.
Samochowiec, L., *Clin. Ter.*, 1971, **56**, 341; *CA*, **75**, 61780z (*metab*)
Lembeck, F. *et al, Arzneim.-Forsch.*, 1975, **25**, 1570 (*pharmacol*)
Lis, T., *Carbohydr. Res.*, 1983, **122**, 23 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1158.

Glucosulfamide, INN G-00056

1-Deoxy-1-[[4-[[(hydroxymethyl)amino]sulfonyl]-phenyl]amino]-1-sulfoglucitol, 9CI. N^1-*(Hydroxymethyl)sulfanilamide-N^4-glucoside-1-sulfonic acid. Glucosulfaminol. Glycosulphamide. Ladogal. Septimax*



$C_{13}H_{22}N_2O_{11}S_2$ M 446.444

D-form

Antibacterial agent.

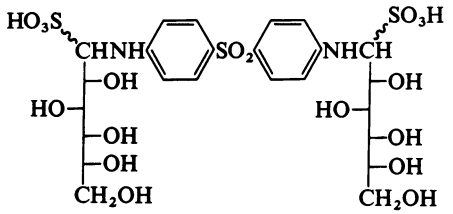
Na salt: [7007-76-3].
$C_{13}H_{21}N_2NaO_{11}S_2$ M 468.425

Eiden, F. *et al, Pharm. Ztg.*, 1972, **117**, 1503; 1973, **118**, 638 (*anal*)

Glucosulfone, INN G-00057

1,1'-[Sulfonylbis(4,1-phenyleneimino)]bis[1-deoxy-1-sulfoglucitol]. Solfone. Protomin. Promin. Promanide. Angeli's sulfone. Aceprosol. Promamide. Tasmin. Theramin. SN 166

[554-18-7]



$C_{24}H_{36}N_2O_{18}S_3$ M 736.731

▷LZ8100000.

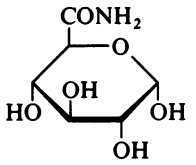
D-form

Di-Na salt: [554-18-7]. Leprostatic agent. Sweet-tasting solid.

▷LZ8100000.

Swiss Pat., 234 108, (*1944*); *CA*, **43**, 4297a (*synth, pharmacol*)

Glucuronamide, 9CI, INN G-00058



α-pyranose

$C_6H_{11}NO_6$ M 193.156

α-D-form [3574-23-0]

1,2-O-Isopropylidene: 1,2-O-Isopropylidene-α-D-glucuronamide.
$C_9H_{15}NO_6$ M 233.221
Mp 168-169°. $[\alpha]_D^{20}$ −3.4° (c, 1.0 in MeOH).

1,2-O-Isopropylidene, 5-mesyl: $[\alpha]_D^{20}$ −10.3° (c, 1.1 in MeOH).

1,2-O-Isopropylidene, 3,5-dimesyl: Mp 153-154°. $[\alpha]_D^{20}$ −15.0° (c, 2.4 in MeOH).

Me pyranoside, 4-Me: Methyl 4-O-methyl-α-D-glucopyranosiduronamide.
$C_8H_{15}NO_6$ M 221.210
Mp 236°. $[\alpha]_D$ +150° (H_2O).

Me pyranoside, 2,5-di-Me: Methyl 2,5-di-O-methyl-α-D-glucopyranosiduronamide.
$C_9H_{17}NO_6$ M 235.236
Mp 121°. $[\alpha]_D$ +149.5° (H_2O).

Me pyranoside, 3,4-di-Me:
$C_9H_{17}NO_6$ M 235.236
Mp 191-193°. $[\alpha]_D$ +100° (H_2O).

Me pyranoside, 2,3,4-tri-Me: Methyl 2,3,4-tri-O-methyl-α-D-glucopyranosiduronamide.
$C_{10}H_{19}NO_6$ M 249.263
Mp 183°. $[\alpha]_D$ +137.5° (H_2O).

β-D-form [3574-23-0]

Guronamin. Rental. Startal

Detoxicant. Cryst. + $1H_2O$ (MeOH). Mp 168-169° dec., Mp 173-174° anhydr. $[\alpha]_D^{22}$ +70° (c, 1.77 in H_2O).

Me pyranoside: Methyl β-D-glucopyranosiduronamide.
$[\alpha]_D$ −72° (c, 0.4 in MeOH).

Me pyranoside, 4-Me: Methyl 4-O-methyl-β-D-glucopyranosiduronamide.
$C_8H_{15}NO_6$ M 221.210
Mp 232°. $[\alpha]_D$ −50° (H_2O).

Me pyranoside, 2,5-di-Me: Methyl 2,5-di-O-methyl-β-D-glucopyranosiduronamide.
$C_9H_{17}NO_2$ M 171.239

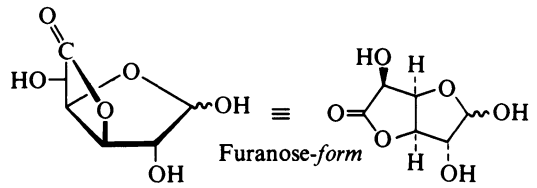
Mp 95°.
Me pyranoside, 2,3,4-tri-Me: Methyl 2,3,4-tri-O-methyl-β-D-glucopyranosiduronamide. Mp 193°. $[\alpha]_D$ −47° (H_2O).

Hardegger, E. *et al*, *Helv. Chim. Acta*, 1950, **33**, 337.
Aspinall, G.O., *Adv. Carbohydr. Chem.*, 1954, **9**, 131 (*rev*)
Fieser, M. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 2825 (*synth*)
Paulsen, H. *et al*, *Chem. Ber.*, 1966, **99**, 908.
Della Pietra, G. *et al*, *Biochem. Pharmacol.*, 1967, **16**, 1571 (*rev, pharmacol*)

Glucurono-6,3-lactone, 9CI, 8CI G-00059

Glucurolactone, INN. *Glucuronolactone. Dicurone. Glucoxyguronsan. Numerous tradenames*

[63-29-6]



$C_6H_8O_6$ M 176.126
Antiarthritic drug, detoxicant.

D-form [32449-92-6]
Mp 177°. $[\alpha]_D^{22}$ +19.4° (H_2O).
▷LZ8930000.
Oxime:
$C_6H_9NO_6$ M 191.140
Mp 151°. $[\alpha]_D$ +14.4° (H_2O).
5-Benzyl:
$C_{13}H_{14}O_6$ M 266.250
$[\alpha]_D^{20}$ −3.0° (5 min.) (c, 2.0 in Py).
5-Pivaloyl: Mp 155-157°. $[\alpha]_D$ +92° → +48° ($CHCl_3$/Py).
2,5-Dipivaloyl: Mp 169-170°. $[\alpha]_D$ +102° → +45° ($CHCl_3$/Py).

α-D-form
1,2-O-Cyclohexylidene: 1,2-O-Cyclohexylidene-α-D-glucurono-6,3-lactone.
$C_{12}H_{16}O_6$ M 256.255
Mp 148-149°. $[\alpha]_D^{20}$ +48.1° (c, 2.0 in $CHCl_3$).
α-1,2-O-Cyclohexylidene, 5-benzyl:
$C_{19}H_{22}O_6$ M 346.379
Mp 94-95°. $[\alpha]_D^{20}$ +48.5° (c, 2.0 in $CHCl_3$).
1,2-O-Cyclohexylidene, 5-mesyl: Mp 139-140°. $[\alpha]_D^{20}$ +43.4° (c, 2.1 in $CHCl_3$).
1,2,5-Tri-Ac: 1,2,5-Tri-O-acetyl-α-D-glucurono-6,3-lactone.
$C_{12}H_{14}O_9$ M 302.237
Mp 110-112°. $[\alpha]_D^{24}$ +203.6° ($CHCl_3$).

β-D-form
1,2,5-Tri-Ac: 1,2,5-Tri-O-acetyl-β-D-glucurono-6,3-lactone. Mp 194-195°. $[\alpha]_D^{23}$ +84.1° ($CHCl_3$).

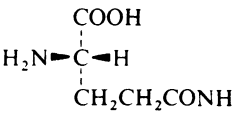
α-D-furanose-form
Me glycoside: Methyl α-D-glucofuranosidurono-6,3-lactone.
$C_7H_{10}O_6$ M 190.152
Mp 148°. $[\alpha]_D^{23}$ +149° (H_2O), +167° (EtOH).
Me glycoside, 5-benzyl, 2-Me:
$C_{15}H_{18}O_6$ M 294.304
Mp 117-118°. $[\alpha]_D^{20}$ +107.1° (c, 1.0 in $CHCl_3$).
Me glycoside, 2,5-di-Me:
$C_9H_{14}O_6$ M 218.206
Mp 129-130°. $[\alpha]_D^{24}$ +151° (c, 0.4 in $CHCl_3$).

β-D-furanose-form
Me glycoside: Methyl β-D-furanosidurono-6,3-lactone.
$C_7H_{10}O_6$ M 190.152
Mp 139°. $[\alpha]_D^{23}$ −59° (H_2O), −61° (EtOH).
Me glycoside, 5-benzyl, 2-Me:
$C_{15}H_{18}O_6$ M 294.304
$[\alpha]_D^{20}$ −7.5° (c, 1.0 in $CHCl_3$).
Me glycoside, 2,5-di-Me:
$C_9H_{14}O_6$ M 218.206
Mp 90-91°. $[\alpha]_D^{24}$ −2.3° (c, 0.9 in $CHCl_3$), +2.0° (c, 1.0 in H_2O).

Reeves, R.E. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 1616.
Teague, R.S., *Adv. Carbohydr. Chem.*, 1954, **9**, 185 (*rev*)
Jeffrey, G.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1966, 211.
Paulsen, H. *et al*, *Chem. Ber.*, 1966, **99**, 908.
Koester, R. *et al*, *Justus Liebigs Ann. Chem.*, 1975, 752 (*synth, pmr*)
Timpe, W. *et al*, *Carbohydr. Res.*, 1975, **39**, 53.
Keglević, D. *et al*, *Carbohydr. Res.*, 1981, **92**, 51.
Litvak, M.M. *et al*, *Bioorg. Khim.*, 1982, **8**, 1133 (*synth*)
Salem, M.A. *et al*, *Carbohydr. Res.*, 1982, **101**, 255 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 463.

Glutamine, 9CI G-00060

2,5-Diamino-5-oxopentanoic acid



(*S*)-*form*
Absolute configuration

$C_5H_{10}N_2O_3$ M 146.146

(S)-form [56-85-9]
L-form. ***Levoglutamide, INN.*** *Energlut. Glutaven. Iperphos. Memoril. Numerous proprietary names*
Widely distributed in plants, e.g. beetroot. Psychotonic. Alcohol antagonist. Needles (EtOH aq.). Sol. H_2O, spar. sol. EtOH. Mp 184-185°. $[\alpha]_D^{19}$ +8° (H_2O), +32° (5% HCl). Derivs useful in peptide synth. are listed elsewhere.
▷MA2275100.
N-(*2,4-Dinitrophenyl*): Mp 189-191°.
p-*Nitrobenzyl ester; B,HBr:* Cryst. Mp 175°.
N^4-(*4-Hydroxyphenyl*):
$C_{11}H_{14}N_2O_4$ M 238.243
Isol. from the fungus *Agaricus hortensis*. $[\alpha]_D$ +30° (1M HCl).

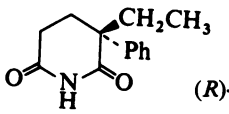
(±)-form
Mp 186°.

Archibald, R.M., *Chem. Rev.*, 1945, **37**, 161 (*rev, props*)
Lepp, A. *et al*, *Biochem. Prep.*, 1957, **5**, 79 (*synth*)
Jadot, J. *et al*, *Biochim. Biophys. Acta*, 1960, **43**, 322 (*deriv*)
Greenstein, J.P. *et al*, *Chemistry of the Amino Acids*, 1961, Wiley, N.Y., Chap. 25, 1929 (*isol, synth*)
Kline, G.B. *et al*, *J. Org. Chem.*, 1961, **26**, 1854 (*synth*)
Koetzle, T.F. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2571 (*cryst struct*)
Synthetic Production and Utilisation of Amino Acids (*Kaneko, T. et al*, Ed.), 1974, Halsted Press, 109 (*synth*)
Lindberg, P. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 684.
Jaeger, P. *et al*, *New Engl. Med. J.*, 1986, **315**, 1120 (*rev*)
Tachiki, T. *et al*, *Prog. Ind. Microbiol.*, 1986, **24**, 121 (*rev, synth*)
Yoshifuji, S. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 2994 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 328.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 598.

Glutethimide, BAN, INN **G-00061**

3-Ethyl-3-phenyl-2,6-piperidinedione, 9CI. 2-Ethyl-2-phenylglutarimide. 3-Ethyl-2,6-dioxo-3-phenylpiperidine. Doriden. Other proprietary names

[77-21-4]



(*R*)-*form*

$C_{13}H_{15}NO_2$ M 217.267

▷MA4725000.

(*R*)-*form* [17575-58-5]

Mp 102.5°. $[\alpha]_D^{20}$ +176° (MeOH).

(*S*)-*form* [17575-59-6]

Mp 102-103°. $[\alpha]_D^{20}$ −181° (MeOH).

(±)-*form*

Sedative, short-acting hypnotic. Cryst. (Et_2O or EtOAc/pet. ether). Prac. insol. H_2O. Mp 84°.

Hoffmann, K. *et al*, *Helv. Chim. Acta*, 1952, **35**, 1541 (*synth*)
Salmon-Legagneur, F. *et al*, *Bull. Soc. Chim. Fr.*, 1953, 70 (*synth*)
Defay, N. *et al*, *J. Pharm. Belg.*, 1972, **27**, 335 (*pmr*)
Bourgeois, G. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 53 (*ms*)
Cohen, J. *et al*, *Experientia*, 1975, **31**, 1002 (*struct*)
Aboul-Enein, H.Y., *Anal. Profiles Drug Subst.*, 1976, **5**, 139 (*rev*)
Kennedy, K.A., *Diss. Abstr. Int. B*, 1978, **39**, 189 (*metab*)
Knabe, J. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1978, **311**, 634 (*synth, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2763 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4037.

Glybuthiazol, INN, JAN **G-00062**

4-Amino-N-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]benzenesulfonamide, 9CI. N′-(5-tert-Butyl-1,3,4-thiadiazol-2-yl)sulfanilamide, 8CI. Sulfatertiobutylthiadiazole. Glipasol. RP 2259

[535-65-9]



$C_{12}H_{16}N_4O_2S_2$ M 312.404

Oral hypoglycaemic agent. Needles (EtOH). Mp 221-223°.

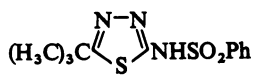
▷WO8760000.

Peuhos, J.C., *Compt. Rend. Soc. Biol.*, 1957, **151**, 772 (*tox*)
Mesnard, P. *et al*, *Compt. Rend.*, 1959, **248**, 872 (*uv*)
B.P., 828 963, (*1960*); *CA*, **54**, 12500i (*synth*)
Loubatieres, A. *et al*, *Compt. Rend. Soc. Biol.*, 1964, **158**, 610 (*pharmacol*)
Reisch, J. *et al*, *Pharm. Ztg.*, 1964, **109**, 74 (*tlc*)

Glybuzole, INN, JAN **G-00063**

N-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol]-2-ylbenzenesulfonamide, 9CI. N-(tert-Butyl-1,3,4-thiadiazol-2-yl)-sulfanilamide, 8CI. Desaglybuzole. Gludiase. AN 1324. RP 7891. TH-1395

[1492-02-0]



$C_{12}H_{15}N_3O_2S_2$ M 297.389

Hypoglycaemic agent, antidiabetic. Needles. Mp 163°.

▷DB1290000.

Ger. Pat., 957 841, (*1957*); *CA*, **53**, 8166i (*synth*)
Bargeton, D. *et al*, *Arch. Int. Pharmacodyn.*, 1965, **153**, 379 (*pharmacol*)
Populaire, P. *et al*, *Therapie*, 1969, **24**, 313 (*metab*)
Guirgis, F.K. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 435 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7225.

Glycerol **G-00064**

1,2,3-Propanetriol, 9CI. 1,2,3-Trihydroxypropane. Glycerin. Amylac. Babylax. Bulboid. Cristal. Dagralax. Glyrol. Luxoral. Meprolax. Osmoglyn. Other synonyms

[56-81-5]

$HOCH_2CH(OH)CH_2OH$

$C_3H_8O_3$ M 92.094

Found extensively in esterified form in animal and plant glycerides. Obt. on large scale by alkaline hydrol. of fats during soap manuf. and by other routes. Used in cosmetics, foods, tobacco processing and extensively in numerous industrial and domestic prods. Component of alkyd resins and polyurethanes. Mild laxative, diuretic. Syrup with sweet taste. d_{15}^{15} 1.265. Mp 17.8°. Bp 290° part. dec., Bp_{20} 182°. V. hygroscopic. Steam-volatile. Numerous glycerides are listed separately.

▷Reacts violently or explosively with many oxid. agents. MA8050000.

Trinitrate: see Glycerol trinitrate, G-00066

$C_5H_{10}O_4$ M 134.132

Tribenzoyl:

$C_{24}H_{20}O_6$ M 404.418

Mp 72°.

Tris-4-nitrobenzoyl: Mp 197.5°.

1-Me ether: 3-Methoxy-1,2-propanediol.

$C_4H_{10}O_3$ M 106.121

Bp 220°, Bp_{40} 136°.

2-Me ether: 2-Methoxy-1,3-propanediol.

$C_4H_{10}O_3$ M 106.121

Bp 232°, Bp_{40} 148°.

1,2-Di-Me ether: 2,3-Dimethoxy-1-propanol.

$C_5H_{12}O_3$ M 120.148

Bp 180°, Bp_{40} 100°.

1,3-Di-Me ether: 1,3-Dimethoxy-2-propanol.

$C_5H_{12}O_3$ M 120.148

Bp 169°, Bp_{40} 88°.

Tri-Me ether: 1,2,3-Trimethoxypropane.

$C_6H_{14}O_3$ M 134.175

Bp 148°.

Complex with aluminium hydroxide: [12182-48-8]. ***Glucalox, INN.*** *Glycalox, BAN. Manalox AG.* Antacid.

Bismuth salt: [17140-54-4]. *Bismutoral.* Oral antiseptic.

Gidez, L.I. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2413 (*synth*)
Miner, C.S. *et al*, *Glycerol*, 1953, N.Y. (*rev*)
Kirk-Othmer Encycl. Chem. Technol., 2nd Ed., 1966, **10**, 619 (*rev*)
U.S.P., 3 352 895, (*1967*); *CA*, **68**, 33186x (*synth, Glucalox*)
Newman, A.A., *Glycerol*, 1968, Morgan-Grampian, London (*rev*)
Budden, R. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1579 (*pharmacol*)
Carmaniu, S. *et al*, *Arch. Int. Physiol. Biochim.*, 1980, **88**, 255 (*metab*)
Kern, J.C., *Kirk-Othmer. Encycl. Chem. Tech.*, 1980, **2**, 921 (*rev*)
Frank, M.S. *et al*, *Pharmacotherapy (Carlisle, Mass.)*, 1981, **1**, 147 (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1901.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 142.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 448.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 706.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 342.

Glycerol triacetate G-00065

1,2,3-Propanetriol triacetate, 8CI. Triacetylglycerol. ***Triacetin, 8CI, USAN, INN.*** *Fungacetin. Euzactin. Blekin. Enzacetin. Enzactin. Fungacet. Glyped. Motisil. Vanay*

[102-76-1]

$AcOCH_2CH(OAc)CH_2OAc$

$C_9H_{14}O_6$ M 218.206

Antifungal agent, used as fixative in perfumery industry. Cellulose and cellulose nitrate plasticiser, component of rocket fuel binders. Oily liq. Sol. EtOH, Et_2O, C_6H_6, H_2O. d_4^{20} 1.16. Mp −78°. Bp 258-259°, Bp_{40} 172°.

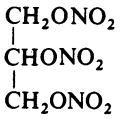
▷AK3675000.

Perkin, W.H. *et al, J. Chem. Soc.*, 1905, **87**, 855 (*synth*)
Dunbar, R.E. *et al, J. Org. Chem.*, 1956, **21**, 1041 (*synth*)
B.P., 845 029, (*1960*); *CA*, **55**, 9797h (*use*)
Respondek, J. *et al, Org. Mass Spectrom.*, 1978, **13**, 618 (*ms*)
Angyal, S.J. *et al, Carbohydr. Res.*, 1980, **84**, 201 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3010.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2605.

Glycerol trinitrate G-00066

1,2,3-Propanetriol trinitrate, 9CI. Nitroglycerin, 8CI, USAN. Nitroglycerol. Trinitrin. Numerous proprietary names

[55-63-0]



$C_3H_5N_3O_9$ M 227.087

Used in manuf. of important explosives, esp. dynamite, cordite, gelignite. Also a heart stimulant and vasodilator. Mobile pale-yellow oil with sweet burning taste. Sensitive to shock. Spar. sol. pet. ether, misc. most org. solvs., prac. insol. H_2O. d_4^{15} 1.6009. Mp 2.8° (dimorph.)(labile form), Mp 13.5° (dimorph.)(stable form), Fp 13°. Begins to dec. at 50-60°.

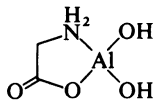
▷Explodes at 218° or on dropping etc. Produces headaches on tasting or inhalation. TLV 0.2. QX2100000.

Masaki, K., *Bull. Chem. Soc. Jpn.*, 1936, **11**, 712 (*synth, uv*)
Biasutti, G.S., *ACS Symp. Ser.*, 1976, **22**, 320 (*rev, haz*)
Olah, G.A. *et al, Synthesis*, 1978, 452 (*synth*)
Pate, C.T. *et al, Int. J. Mass. Spectrom. Ion Phys.*, 1978, **26**, 267 (*ms*)
Parratt, J.R., *J. Pharm. Pharmacol.*, 1979, **31**, 801 (*rev*)
McNiff, E.F. *et al, Anal. Profiles Drug Subst.*, 1980, **9**, 519 (*rev*)
Yacobi, A. *et al, Drug Intell. Clin. Pharm.*, 1983, **17**, 255 (*rev, pharmacol*)
Hakimelahi, G.H. *et al, Helv. Chim. Acta*, 1984, **67**, 906 (*synth*)
Sorkin, E.M. *et al, Drugs*, 1984, **29**, 45 (*rev, pharmacol*)
Strauer, B.E., Ed., *Nitroglycerin 5. Fifth Hamburg Symp.*, de Gruyter, Berlin, 1987 (*book*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 102 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9235.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 862.

(Glycinato-*N,O*)dihydroxyaluminum, 9CI G-00067

Dihydroxyaluminium aminoacetate. Basic aluminum glycinate. Glycinal. Prodexin

[13682-92-3]



$C_2H_6AlNO_4$ M 135.055

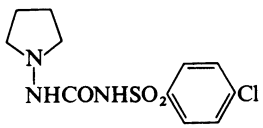
Antacid. Hydrate. Sol. dil. mineral acids.

Gandhi, M.H., *Indian J. Chem.*, 1971, **6**, 182 (*synth*)
Japan. Pat., 21 756, (*1971*); *CA*, **75**, 80248y (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 671.

Glyclopyramide, INN G-00068

*4-Chloro-*N*-[(1-pyrrolidinylamino)carbonyl]-benzenesulfonamide, 9CI. 1-[(p-Chlorophenyl)sulfonyl]-3-(1-pyrrolidinyl)urea, 8CI. Deamelin S. CPBU 7*

[631-27-6]



$C_{11}H_{14}ClN_3O_3S$ M 303.763

Antidiabetic, hypoglycaemic agent. Plates (EtOH aq.). Mp 199-201°.

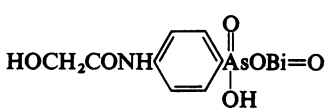
▷YS6670000.

Suzue, S. *et al, Chem. Pharm. Bull.*, 1969, **17**, 1535 (*synth*)
Yamagata, S. *et al, Tohoku J. Exp. Med.*, 1969, **98**, 155 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7226.

Glycobiarsol, INN G-00069

Bismuth glycollylarsanilate, BAN. *Amebifan. Amivadine. Amoebicon. Broxolin. Milibis. Viasept. Other proprietary names*

[116-49-4]



$C_8H_9AsBiNO_6$ M 499.064

Antiamoebic for trichomoniasis (veterinary). Yellowish to pink powder. Dec. on heating.

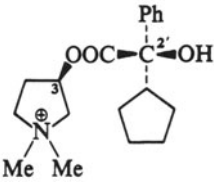
▷Toxic

Rai, R.P., *CA*, 1968, **68**, 29805 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4759.

Glycopyrronium(1+) G-00070

3-[(Cyclopentylhydroxyphenylacetyl)oxy]-1,1-dimethylpyrrolidinium, 9CI

[13283-82-4]



$C_{19}H_{28}NO_3^{\oplus}$ M 318.435 (ion)

Erythro-form also used (Ritropirronium bromide, INN).

(3RS,2'RS)-form

Anticholinergic agent.

Bromide: [58493-54-2]. *Glycopyrronium bromide, BAN, INN, JAN.* ***Glycopyrrolate, USAN.*** *Robinul. AHR-504. Asecryl. Gastrodyn. Nodapton. Taional. Tarodyl. Tarodyn.*

$C_{19}H_{28}BrNO_3$ M 398.339

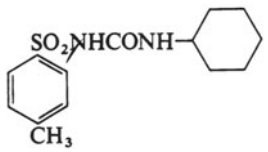
Cryst. (butanone). Mp 193.2-194.5°.

Lunsford, C.D. *et al, J. Med. Chem.*, 1960, **2**, 523 (*synth*)
U.S.P., 2 956 062, (*1960*); *CA*, **55**, 7434 (*synth*)
Guy, J.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1973, 1875 (*cryst struct*)
Poaswirta, J. *et al, Finn. Chem. Lett.*, 1975, 94 (*pmr*)
Mirakhur, R.K. *et al, Anaesthesia*, 1983, **38**, 1195 (*rev, pharmacol*)
Armstrong, D.W. *et al, Science*, 1986, **232**, 1132 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 371.

Glycyclamide, INN G-00071

N-[(Cyclohexylamino)carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-Cyclohexyl-3-(p-tolylsulfonyl)urea, 8CI. Tolcyclamide. Tolhexamide. Adiabil. Griroxil. K-386. Other synonyms

[664-95-9]



$C_{14}H_{20}N_2O_3S$ M 296.384

Antidiabetic, hypoglycaemic agent. Mp 174-176°.

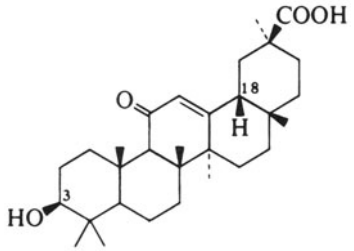
▷Teratogenic. YS7800000.

Logemann, W. *et al, Chem. Ber.*, 1957, **90**, 2527 (*synth*)
Barilyak, I.R., *Farmakol. Toksikol.*, 1965, **28**, 616.
El-Kinawy, S.A. *et al, J. Drug. Res.*, 1969, **2**, 1, 13 (*uv, ir*)
Deineka, G.K., *Farmakol. Toksikol.*, 1970, **5**, 74 (*pharmacol, tox*)
Goto, S. *et al, Chem. Pharm. Bull.*, 1978, **26**, 472 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7227.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3269.

Glycyrrhetic acid G-00072

3β-Hydroxy-11-oxo-12-oleanen-30-oic acid. ***Enoxolone, BAN, INN.*** *Biogastrone acid. Biosone. Glycyrrhetin. Glycyrrhetinic acid. Rhetinic acid. Uralenic acid. Other proprietary names*

[471-53-4]



$C_{30}H_{46}O_4$ M 470.691

Aglycone from *Glycyrrhiza glabra*, used in treatment of skin diseases. Cryst. (MeOH). Mp 300-304°. $[\alpha]_D$ +161° ($CHCl_3$).

▷RK0180000.

Me ester:

$C_{31}H_{48}O_4$ M 484.718

Cryst. (EtOH). Mp 253-255°.

3-Ac: [6277-14-1]. ***Acetylenoxolone.*** *Acetoxolone.*

$C_{32}H_{48}O_5$ M 512.728

Isol. from *Echinopora lamellosa*. Antiulcer agent. Mp 245°.

3-Ac, Al salt (3:1): [29728-34-5]. *Acetylenoxolone aluminium. Almicet. Oriens.* Antiulcer and antiinflammatory agent. Mp 286-290°. $[\alpha]_D$ +126° ($CHCl_3$).

3-Ac, (3-phenyl-2-propenyl) ester: [31581-02-9]. ***Cinoxolone, INN.*** *BX 311.*

$C_{41}H_{56}O_5$ M 628.890

Antiulcer agent. Mp 189-190°. $[\alpha]_D^{20}$ +154.2° ($CHCl_3$).

3-(3-Carboxypropanoyl): [5697-56-3]. ***Carbenoxolone, INN.*** *Enoxolone hydrogen succinate. Other proprietary names.*

$C_{34}H_{50}O_4$ M 522.767

Used in treatment of gastric ulcers. Cream cryst. Mp 291-294°. $[\alpha]_D^{20}$ +128° ($CHCl_3$).

▷RK0200000.

3-(3-Carboxypropanoyl), Na salt: [7421-40-1]. *Carbenoxolone sodium, USAN.*

▷RK0250000.

18-Epimer: [1449-05-4]. *18α-Glycyrrhetic acid.* Cryst. ($CHCl_3$/MeOH). Mp 330-335°. $[\alpha]_D$ +98°.

▷RK0190000.

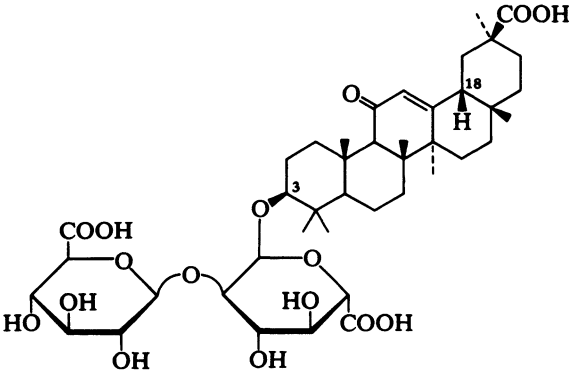
Beaton, J.M. *et al, J. Chem. Soc.*, 1955, 3126 (*synth*)
Mer, J., *Am. Perfum. Aromat.*, 1959, **74**, 39 (*isol*)
B.P., 843 133, (*1960*); *CA*, **55**, 2027i (*Carbenoxolone*)
Murav'ev, I.A. *et al, CA*, 1966, **69**, 44029v (*rev*)
Robson, J.M. *et al, Carbenoxolone Sodium*, 1969, Butterworth, London (*rev*)
Wahlberg, I. *et al, Acta Chem. Scand.*, 1971, **25**, 3192 (*ms*)
B.P., 1 285 453, (*1972*); *CA*, **77**, 130604 (*Almicet*)
U.S.P., 3 734 944, (*1973*); *CA*, **79**, 66611 (*Cinoxolone*)
Cameron, B.D. *et al, Arzneim.-Forsch.*, 1976, **26**, 1680 (*Almicet, metab*)
Parke, D.V., *Excerpta Med. Int. Congr. Ser.*, 1976, **379**, 5, 57 (*Carbenoxolone*)
Jones, F.A. *et al*, Eds., *Scand. J. Gastroenterol., Suppl. 65*, 1980, **15**, (*Carbenoxolone*)
Sandiya, R. *et al, J. Heterocycl. Chem.*, 1984, **21**, 845 (*isol*)
Tolstikov, G.A. *et al, Khim. Prir. Soedin.*, 1985, 645 (*cmr*)
Koetz, H.R., *Scand. J. Gastroenterol. Suppl.*, 1986, **21**, 156 (*Carbenoxolone*)
Sakano, K. *et al, Agric. Biol. Chem*, 1986, **50**, 763 (*deriv*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7889, 8042 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 685, 1608.

Glycyrrhizic acid G-00073

20-Carboxy-11-oxo-30-norolean-12-en-3-yl 2-O-β-D-glucopyranuronosyl-α-D-glucopyranosiduronic acid, 9CI. Dermacrin. Glycyrrhitin. Glycyrrhizin

[1405-86-3]



$C_{42}H_{62}O_{16}$ M 822.942

Isol. from *Glycyrrhiza glabra* (liquorice). Antiinflammatory, expectorant and antihaemorrhagic. Cryst. (AcOH). $[\alpha]_D^{17}$ +46.2° (c, 1.5 in EtOH).

▷MD2025000.

NH_4 salt: [53956-04-0]. *Chiyorhizin* AN. *Glyciram. Glycyrram. Rizinsan* A. Antiulcer agent. Antilipidaemic. Needles + $5H_2O$ (EtOH aq.). $[\alpha]_D^{20}$ +46.9° (EtOH aq.). Dec. at 212-217°.

▷LZ6500000.

Karrer, P. *et al*, *Helv. Chim. Acta*, 1921, **4**, 100 (*isol*)
Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1936, **19**, 1402 (*isol*)
Lythgoe, B. *et al*, *J. Chem. Soc.*, 1950, 1983 (*struct*)
Louis, L.H. *et al*, *J. Lab. Clin. Med.*, 1956, **47**, 20.
Gilbert, R.J. *et al*, *J. Pharm. Pharmacol.*, 1964, **16**, 359, 394 (*salts*)
Essman, E.J., *Fitoterapia*, 1984, **55**, 279 (*rev, use*)

Glyhexamide, USAN, INN G-00074

N-[(*Cyclohexylamino*)*carbonyl*]-*2,3-dihydro-1*H-*indene-5-sulfonamide, 9CI. 1-Cyclohexyl-3-(5-indanylsulfonyl)urea, 8CI. Serbose. Subose. HZ 21. NSC 106960. SQ 15860*

[451-71-8]



$C_{16}H_{22}N_2O_3S$ M 322.421

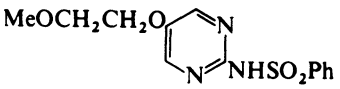
Antidiabetic agent. Cryst. (Me_2CO aq.). Mp 153-155°.

Lerner, L.J. *et al*, *Metab. Clin. Exp.*, 1965, **14**, 578 (*pharmacol*)
Grinnell, E.H. *et al*, *Am. J. Med. Sci.*, 1967, **253**, 312 (*pharmacol*)
Breuer, H. *et al*, *Chim. Ther.*, 1973, **8**, 659 (*synth, pharmacol*)

Glymidine, BAN G-00075

N-[*5-(2-Methoxyethoxy)-2-pyrimidinyl*]-*benzenesulfonamide, 9CI. 2-Benzenesulfonamido-5-(2-methoxyethoxy)pyrimidine. Glycodiazine*

[339-44-6]



$C_{13}H_{15}N_3O_4S$ M 309.339

Oral hypoglycaemic agent, antidiabetic. Mp 152-154°.

▷DB2910000.

Na salt: [3459-20-9]. *Glymidine sodium, USAN, JAN. Gondafon. Lycanol.* Mp 221-222° and Mp 226° (sesquihydrate Mp 86-88°). Dimorphic.

▷DB2920000.

Gutshe, K. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 373 (*synth, pharmacol*)
Rehse, K., *Fresnius, Z. Anal. Chem.*, 1969, **246**, 22 (*pmr*)
Burger, A., *Sci. Pharm.*, 1976, **44**, 107 (*polymorphism*)
Platzer, R. *et al*, *Eur. J. Clin. Pharmacol.*, 1978, **14**, 293 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7228.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1775.

Glyparamide, USAN G-00076

4-Chloro-N-[[[*4-(dimethylamino)phenyl*]*amino*]-*carbonyl*]*benzenesulfonamide, 9CI. 1-*[(p-*Chlorophenyl*)-*sulfonyl*]-*3-*[p-(*dimethylamino*)*phenyl*]*urea, 8CI. P 1306*

[5581-42-0]



$C_{15}H_{16}ClN_3O_3S$ M 353.823

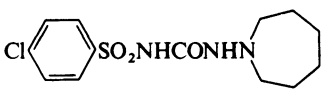
Antidiabetic drug. Mp 160°.

U.S.P., 3 033 902, (*1962*); *CA*, **57**, 11109f (*synth, pharmacol*)

Glypinamide, INN G-00077

4-Chloro-N-[[(*hexahydro-1*H-*azepin-1-yl*)*amino*]-*carbonyl*]*benzenesulfonamide, 9CI. 1-*[(p-*Chlorophenyl*)-*sulfonyl*]-*3-*(*hexahydro-1*H-*azepin-1-yl*)*urea, 8CI. Parinase. Azepinamide. U 12504*

[1228-19-9]



$C_{13}H_{18}ClN_3O_3S$ M 331.817

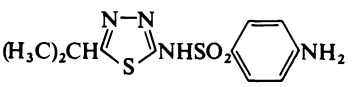
Antidiabetic agent. Cryst. (2-butanone). Mp 197-198.5°.

Wright, J.B., *J. Med. Chem.*, 1962, **5**, 815 (*synth, pharmacol*)
Kamenar, B. *et al*, *Croat. Chem. Acta*, 1983, **56**, 87 (*cryst struct*)

Glyprothiazol, INN G-00078

4-Amino-N-[*5-(1-methylethyl)-1,3,4-thiadiazol-2-yl*]-*benzenesulfonamide, 9CI.* N′-(*5-Isopropyl-1,3,4-thiadiazol-2-yl*)*sulfanilamide, 8CI. RP 2254. VK 57. IPTD. PASIT*

[80-34-2]



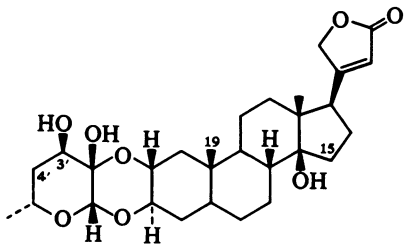
$C_{11}H_{14}N_4O_2S_2$ M 298.377

Antidiabetic agent. Mp 195-196°.

Loubatieres, A., *Arch. Int. Physiol.*, 1946, **54**, 174 (*pharmacol*)
Wojahn, H., *Arch. Pharm. (Weinheim, Ger.)*, 1951, **284**, 53 (*synth, pharmacol*)
Loubatieres, A. *et al*, *Sem. Hop.*, 1956, **32**, 2358 (*pharmacol*)
Kiger, J.L. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 593 (*tlc*)

Gomphoside G-00079

[36597-51-0]



$C_{29}H_{42}O_8$ M 518.646

Cardiac glycoside from *Gomphocarpus fruticosius*. Cryst. (MeOH aq.). Mp 234-242°. $[\alpha]_D^{21}$ +16.3° (c, 1.1 in MeOH).

15β-Hydroxy: [29010-26-2]. ***Afroside***.
$C_{29}H_{42}O_9$ M 534.645
Constit. of *Asclepias fruticosa*. Cryst. Mp 259-264°. $[\alpha]_D$ −20° (Py).

19-Aldehyde: [20304-47-6]. ***Calactin***.
$C_{29}H_{40}O_9$ M 532.630
Isol. from *Calotropis procera* and *Pergularia extensa*. Small prisms (Me_2CO). Mp 270-272°. $[\alpha]_D$ +70.4° (MeOH). The name Calactin was first used by Hesse *et al* (1939) for a substance which was impure Uscharidin. Pure Calactin was isol. by Reichstein *et al* (1962).

▷EV7235000.

19-Aldehyde, 3'-epimer: [1986-70-5]. ***Calotropin***.
$C_{29}H_{40}O_9$ M 532.630
Found in *Calotropia procera*. African arrow poison. Cryst. Mp 221°.

▷EW8750000.

19-Aldehyde, 3'-epimer, Ac: [36573-63-4]. ***Asclepin***.
$C_{31}H_{42}O_{10}$ M 574.667
Constit. of *A. curassavica*. Cardiotonic. Cryst. (MeOH). Mp 308-309°. $[\alpha]_D$ +10° ($CHCl_3$).

▷EW8850000.

19-Aldehyde, 3'-ketone: [20304-48-7]. ***Uscharidin***.
$C_{29}H_{38}O_9$ M 530.614
Constit. of *C. procera*. Mp 290° dec. $[\alpha]_D$ +38° (EtOH).

19-Aldehyde, 4'β-hydroxy: [20304-49-8]. ***Caloxtoxin***.
$C_{29}H_{40}O_{10}$ M 548.629
Constit. of *C. procera*. Cryst. (EtOH). Mp 265-271°. $[\alpha]_D$ +66° (c, 0.8 in $CHCl_3$/MeOH, 2:1).

▷FH4773000.

Hassall, C.H. *et al*, *J. Chem. Soc.*, 1964, 2187 (*Calactin*)
Brüschweiter, F. *et al*, *Helv. Chim. Acta*, 1969, **52**, 2276 (*bibl*)
Patnaik, G.K. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1130, 1368 (*Asclepin*)
Cheung, H.T.A. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 2827 (*struct, derivs, bibl*)
Ferguson, G. *et al*, *J. Chem. Res.(S)*, 1983, 277 (*cryst struct*)

Gonadotropin G-00080

Human chorionic gonadotropin. Chorionic gonadotropin, 9CI, USAN. Antuitrin. Choron. Pranturon. Pregnyl. Profasi. Follutein. HCG

[9002-61-3]

M 30,000-60,000

A glycoprotein hormone synthesized by chorionic tissue of the placenta, and found in urine during pregnancy. Found also in body fluids of persons having trophoblastic disease or embryonic testicular or ovarian tumours. Gonad stimulating principle. Long-thin rods or needles (EtOH aq.). Sol. H_2O, glycerol, glycols. Insol. most org. solvs. Stable in dry form. Isoelectric point pH 3.2-3.3. Dil. aq. solns. lose their activity rapidly on storage at 0°, or by heating, or by acid or base treatment.

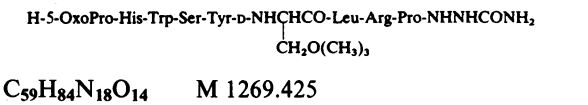
▷MD6953000.

Gurin, S. *et al*, *J. Biol. Chem*, 1939, **128**, 525 (*isol*)
Katzman, P.A. *et al*, *J. Biol. Chem*, 1943, **148**, 501 (*isol*)
Bischoff, F., *J. Biol. Chem*, 1946, **165**, 399.
Bahl, O.P., *J. Biol. Chem*, 1969, **244**, 567, 575 (*struct*)
Morgan, F.J. *et al*, *J. Biol. Chem*, 1975, **250**, 5247 (*struct*)
Pierce, J.G. *et al*, *Ann. Rev. Biochem.*, 1981, **50**, 465 (*rev*)
Wass, M. *et al*, *Horm. Blood (3rd Ed.)*, 1983, **4**, 179 (*rev, struct, props, anal*)
Puett, D., *Bio Essays*, 1986, **4**, 70 (*rev*)
Kobata, A., *J. Cell Biochem.*, 1988, **37**, 79 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5927.

Goserelin, INN G-00081

6-[O-(1,1-Dimethylethyl)-D-serine]-10-deglycinamide-luteinizing hormone releasing factor (pig), 9CI. Zoladex. ICI 118630

[65807-02-5]



$C_{59}H_{84}N_{18}O_{14}$ M 1269.425

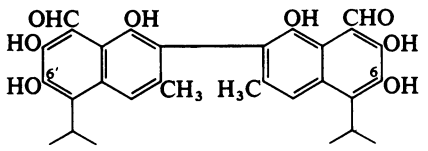
Antineoplastic agent (LHRH agonist). Gonadorelin analogue. No phys. props. reported.

Dutta, A.S. *et al*, *J. Med. Chem.*, 1978, **21**, 1018 (*synth, pharmacol*)
Nicholson, R.I. *et al*, *Br. J. Cancer*, 1979, **39**, 268 (*pharmacol*)
Lamberts, S.W.J. *et al*, *Endocrinology (Baltimore)*, 1981, **108**, 1878 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16845.

Gossypol G-00082

1,1',6,6',7,7'-Hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-[2,2'-binaphthalene]-8,8'-dicarboxaldehyde, 9CI. Thespesin

[303-45-7]



$C_{30}H_{30}O_8$ M 518.562

Atropisomeric compd., occurs naturally in both (+)- and (±)-forms.

▷Toxic. DU3100000.

(+)-form [20300-26-9]

Constit. of *Thespesia populinea*. Pale-yellow needles (pet. ether), deep-yellow prisms + Me_2CO (Me_2CO), large elongated plates (Me_2CO aq.). Mp 181-183°. $[\alpha]_D^{19}$ +445° (c, 0.15 in $CHCl_3$).

▷DU3101000.

Hexa-Me ether: [17273-30-2]. Colourless. Mp 242-244°. $[\alpha]_D$ +177° ($CHCl_3$).

(±)-form [40112-23-0]
Toxic component of cotton boll cavities. Male antifertility agent, undergoing widespread trials in the Peoples' Republic of China. Cryst. in three forms (Et_2O, $CHCl_3$, pet. ether). Mp 184°, 199°, 214°.

Hexa-Ac: [30719-67-6]. Mp 276-279°.

▷DU3103000.

Bisphenylhydrazone: Yellow plates (C_6H_6). Mp 303°.

6-Me ether: [54302-42-0].
$C_{31}H_{32}O_8$ M 532.589
Constit. of the roots of *Gossypium* spp. Yellow cryst. (C_6H_6/hexane). Mp 146-149°.

6,6'-Di-Me ether: [1110-58-3].
$C_{32}H_{34}O_8$ M 546.616
From *G.* spp. Golden-yellow cryst. (C_6H_6/hexane). Mp 181-184°.

Hexa-Me ether: Cryst. in three forms, two colourless and one red. Mp 231-232°, 221° (colourless), 158-160° (red).

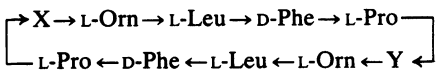
β-(Aminoethyl)sulfonic acid: [87606-98-2]. *GSN (as disodium salt). Metaphin (as disodium salt).* Immunosuppressive, antiviral agent.

Adams, R. *et al, Chem. Rev.*, 1960, **60**, 555 (*rev*)
Bell, A., *Phytopathology*, 1967, **57**, 759.
Bhakuni, D.S. *et al, Experientia*, 1968, **24**, 109 (*isol*)
King, T.J. *et al, Tetrahedron Lett.*, 1968, 261 (*isol*)
Wood, A.B. *et al, Chem. Ind. (London)*, 1969, 1738 (*conformn*)
Abou-Donia, M.B. *et al, Lipids*, 1970, **5**, 938 (*metab*)
Edwards, J.D., *J. Am. Oil Chem. Soc.*, 1970, **47**, 441 (*synth*)
Stipanovic, R.D. *et al, Phytochemistry*, 1975, **14**, 1077.
O'Brien, D.H. *et al, J. Org. Chem.*, 1978, **43**, 1105 (*nmr*)
Aripov, U.A. *et al, Khim.-Farm. Zh.*, 1983, **17**, 908 (*pharmacol, deriv*)
Talipov, S.A. *et al, Khim. Prir. Soedin.*, 1985, **21**, 797; 1986, **22**, 108 (*cryst struct*)
Ibragimov, B.T. *et al, Khim. Prir. Soedin.*, 1985, **21**, 799; 1986, **22**, 110 (*cryst struct*)
Masciadri, R. *et al, J. Chem. Soc., Chem. Commun.*, 1985, 1573 (*biosynth*)
Stipanovic, R.D. *et al, J. Chem. Soc., Chem. Commun.*, 1986, 100 (*biosynth*)
Sampath, D.S. *et al, J. Chem. Soc., Chem. Commun.*, 1986, 649 (*cd, resoln*)
Wu, D.F. *et al, Clin. Pharmacol. Ther. (St. Louis)*, 1986, **39**, 613 (*pharmacol*)
Lacombe, L. *et al, J. Nat. Prod.*, 1987, **50**, 277 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12798.

Gramicidin *S*, INN G-00083

Soviet gramicidin. Gramicidin C

[113-73-5]



Gramicidin S_1 X = Y = L-Val
S_2 X = 2-Aminobutanoic acid, Y = L-Val
S_3 X = Y = 2-Aminobutanoic acid

Cyclic peptide antibiotic. Prod. by *Bacillus brevis*. Used clinically in topical applications. Active against gram-positive bacteria.

▷MD8470000.

Gramicidin S_1
Gramicidin S-A
$C_{60}H_{92}N_{12}O_{10}$ M 1141.461
Needles (Me_2CO aq.). Sol. Et_2O, EtOH, Me_2CO, insol. H_2O. $[\alpha]_D^{18}$ −289° (c, 0.43 in 70% EtOH). Major component of Gramicidin *S* complex.

B,2HCl: Cryst. + $3H_2O$ (EtOH/HCl). Mp 274-279°. $[\alpha]_D$ −260° (c, 0.4 in EtOH).

All-L-analogue: Rods + $4H_2O$ (as hydrochloride). Mp 246-247° (hydrochloride). $[\alpha]_D^{24}$ −76.8° (c, 0.66 in 60% EtOH aq.). Biol. inactive.

Gramicidin S_2 [92278-12-1]
$C_{59}H_{90}N_{12}O_{10}$ M 1127.434

No phys. props. reported.

Gramicidin S_3 [92278-13-2]
$C_{58}H_{88}N_{12}O_{10}$ M 1113.408

No phys. props. reported.

Schmidt, G.M.J. *et al, Biochem. J.*, 1957, **65**, 744 (*cryst struct*)
Gibbons, W.A. *et al, Proc. Nat. Acad. Sci. U.S.A.*, 1968, **61**, 734; *Nature (London)*, 1970, **227**, 840; *J. Am. Chem. Soc.*, 1974, **96**, 3306 (*nmr*)
Rothe, M. *et al, Angew. Chem., Int. Ed. Engl.*, 1968, **7**, 883 (*analogue*)
Camilletti, G. *et al, J. Chem. Soc., Chem. Commun.*, 1970, 1073 (*cryst struct*)
Losse, G. *et al, Tetrahedron Lett.*, 1970, 1267 (*synth*)
Ohno, M. *et al, J. Am. Chem. Soc.*, 1971, **43**, 5251 (*synth*)
Sogn, J.A. *et al, J. Am. Chem. Soc.*, 1974, **96**, 3306 (*cmr, biosynth*)
Siemon, I.Z. *et al, Angew. Chem.*, 1975, **87**, 712 (*cmr*)
Sato, K. *et al, Bull. Chem. Soc. Jpn.*, 1977, **50**, 1999 (*synth*)
Vandamme, E.J., *Enzyme Ferment. Biotechnol.*, 1981, **5**, 187 (*rev*)
Lipmann, F. *et al, CA*, 1982, **97**, 195394 (*biosynth*)
Live, D.H. *et al, J. Am. Chem. Soc.*, 1984, **106**, 1939 (*N-15 nmr*)
Nokaki, S. *et al, J. Antibiot.*, 1984, **37**, 689.
Hong, S.B. *et al, Arch. Biochem. Biophys.*, 1985, **243**, 563.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 91.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1486.

Gramicidins *A-D* G-00084

Gramicidin, INN

[1405-97-6]

HCO-L-Val-Gly-L-Ala-D-Leu-L-Ala-D-Val-L-Val-D-Val-L-Trp-D-Leu-L-Trp-D-Leu-L-Trp-D-Leu-L-Trp-$NHCH_2CH_2OH$

Mixture of antibiotics from *Bacillus brevis*. Struct. of 1-L-Valinegramicidin *A* shown. Strongly active against gram-positive bacteria. Toxic, causing hemolysis of red blood cells. Transports cations across membranes.

▷MD8225000.

1-L-Isoleucinegramicidin A
Minor constit. (18%) of Gramicidin *A*. $[\alpha]_D^{20}$ +26.5° (c, 0.45 in MeOH).

1-L-Valinegramicidin A [4419-81-2]
$C_{99}H_{139}N_{19}O_{18}$ M 1883.304

Major constit. (82%) of Gramicidin *A*. $[\alpha]_D^{20}$ +27.3° (c, 1.3 in MeOH).

Gramicidin B [9062-60-6]
11-L-Phenylalaninegramicidin A, *9CI*
Mp 258-259°. $[\alpha]_D^{25}$ +6.0° (c, 0.72 in DMF). Major component is 1-Isoleucinegramicidin *B* (89%), minor component is 1-Valinegramicidin *B* (11%).

Gramicidin C [9062-61-7]
11-L-Tyrosinegramicidin A, *9CI*
Countercurrent distribution coefficient K 1.32 ($MeOH/H_2O/C_6H_6/CHCl_3$ 23:7:15:15). Mp 280-283° dec. $[\alpha]_D^{25}$ +11.4° (c, 0.29 in DMF).

Gramicidin D

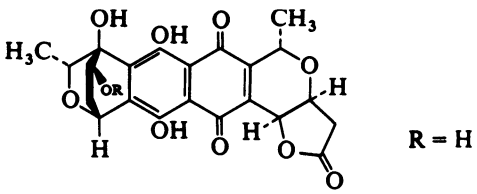
Distinguished from other Gramicidins by presence of Thr, Lys, Asp, Glu, Met and Pro-structure not fully elucidated.

Ishii, S. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 1832; 1964, **86**, 1848 (*isol, struct*)
Sarges, R. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 1861; 1965, **87**, 2011 (*isol, struct*)
Sarges, R. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 2020 (*synth*)
Urry, D.W., *Proc. Nat. Acad. Sci. U.S.A.*, 1971, **68**, 672; 810 (*nmr*)
Isbell, B.E. *et al*, *FEBS Letters*, 1972, **25**, 192 (*cd*)
Okamoto, K. *et al*, *J. Chromatogr.*, 1974, **92**, 147 (*isol, uv*)
Shepel, E.N. *et al*, *Bioorg. Khim.*, 1976, **2**, 581 (*synth*)
Kurahashi, K. *et al*, *CA*, 1982, **97**, 178382 (*biosynth, rev*)
Arsen'ev, A.S. *et al*, *Biol. Membr.*, 1984, **1**, 5; *CA*, **100**, 192261 (*conformn*)
Koeppe, R.E. *et al*, *Biophys. J.*, 1984, **45**, 503 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 90.

Granaticin *A*, 8CI G-00085

Granatomycin C. *Litmomycin. N 9940A. WR 141. Antibiotic N 9940A. Antibiotic WR 141*

[19879-06-2]



$C_{22}H_{20}O_{10}$ M 444.394

Isol. from *Streptomyces olivaceus* and *S. litmogenes*. Antitumour agent. Inhibits RNA synth. initiation step. Deep-red cryst. (Me_2CO or C_6H_6). Mp 223-225°.

▷MD9100000.

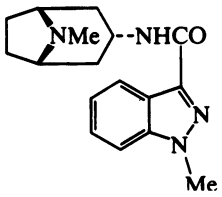
Tetra-Ac: Mp 242-243°. $[\alpha]_D^{20}$ −100° (c, 0.818 in $CHCl_3$).

Me ester: [71203-18-4]. ***Methyl granaticin***.
$C_{23}H_{22}O_{10}$ M 458.421
From *S. lateritius*. Active against gram-positive and -negative bacteria. Red powder.

Corbaz, R. *et al*, *Helv. Chim. Acta*, 1957, **40**, 1262 (*isol*)
Keller-Schierlein, W. *et al*, *Helv. Chim. Acta*, 1968, **51**, 1257, 1269 (*cryst struct*)
Chang, C. *et al*, *J. Antibiot.*, 1975, **28**, 156 (*isol*)
Ogilvie, A. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 243 (*rev*)
Snipes, C.E. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 701 (*biosynth, cmr*)
E. Ger. Pat., 156 374, (*1982*); *CA*, **98**, 124164 (*deriv*)
Junack, M. *et al*, *CA*, 1983, **99**, 115416 (*ms*)
Strauss, D.G. *et al*, *Stud. Org. Chem.*, 1984, **17**, 221 (*isol, struct, props*)
Semmelhack, M.F. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 4577 (*synth*)
Krone, B. *et al*, *Justus Liebigs Ann. Chem.*, 1987, 751 (*cd, cmr, tautom*)
Nomura, K. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 3402 (*synth*)

Granisetron, BAN, INN G-00086

1-Methyl-N-(9-methyl-9-azabicyclo[3.3.1]non-3-yl)-1H-indazole-3-carboxamide, 9CI



endo-form

$C_{18}H_{24}N_4O$ M 312.414

endo-form

$5HT_3$-Serotonin antagonist.

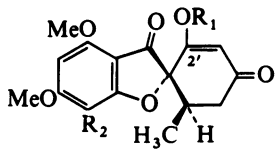
B,HCl: [107007-99-8]. *Granisetron hydrochloride*, *BAN. BeL 43694A*. Mp 290-292°.

Eur. Pat., 200 444, (*1986*); *CA*, **106**, 119892 (*synth, pharmacol*)

Griseofulvin, INN G-00087

Amudane. Grisovin. Fulvicin. Numerous proprietary names

[126-07-8]



$R_1 = CH_3$, $R_2 = Cl$
(+)-*form*
Absolute configuration

$C_{17}H_{17}ClO_6$ M 352.771

▷WG9800000.

(+)-form

Metab. of *Penicillium griseofulvum*. Antifungal antibiotic. Octahedra (C_6H_6). Mp 225-226°. $[\alpha]_D^{17}$ +370° ($CHCl_3$).

▷Exp. carcinogen

2'-De-O-Me: [469-54-5]. *Griseofulvic acid*. Degradn. prod. of Griseofulvin. Prisms (AcOH). Mp 255-258° dec. $[\alpha]_D^{22}$ +406° (NaOH aq.).

Dechloro: [3680-32-8]. ***Dechlorogriseofulvin***.
$C_{17}H_{18}O_6$ M 318.326
Metab. of *P. griseofulvum*. Antifungal antibiotic. Needles (C_6H_6 or MeOH). Mp 179-181°. $[\alpha]_D^{19}$ +390° (c, 1 in Me_2CO).

(−)-form

Mp 216-217°. $[\alpha]_D$ −341° (c, 1.03 in $CHCl_3$).

(±)-form

Mp 217-222°.

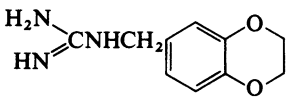
Grove, J.F. *et al*, *J. Chem. Soc.*, 1952, 3949, 3967 (*struct, abs config*)
MacMillan, J., *J. Chem. Soc.*, 1953, 1697 (*deriv*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 310 (*synth*)
Brown, W.A.C. *et al*, *J. Chem. Soc.*, 1963, 1050 (*cryst struct*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 471 (*synth, ir, uv, nmr*)
Levine, S.G. *et al*, *Tetrahedron Lett.*, 1971, 311 (*pmr, conformn*)
Levine, S.G. *et al*, *J. Org. Chem.*, 1975, **40**, 2540 (*cmr*)
Kingston, D.G.I. *et al*, *Phytochemistry*, 1976, **15**, 1037 (*deriv*)
Sato, Y. *et al*, *Tetrahedron Lett.*, 1976, 3971 (*cmr, biosynth*)
Malmros, G. *et al*, *Cryst. Struct. Commun.*, 1977, **6**, 463 (*cryst struct*)
Danishefsky, S. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 7018 (*synth*)
Townley, E.R., *Anal. Profiles Drug Subst.*, 1979, **8**, 219 (*rev*)
Davies, R.R., *Antifungal Chemother.*, 1980, 149 (*rev, pharmacol, tox*)

Hassan, M.A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 583 (*rev*)
Puttaraja, N.K.A. *et al*, *J. Crystallogr. Spectrosc. Res.*, 1982, **12**, 415 (*cryst struct*)
Walker, F.J., *Diss. Abstr. Int. B*, 1982, **42**, 4801 (*synth*)
Oda, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 934 (*synth, derivs*)
Itai, A. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 158 (*isomer*)
Hussain, S.A., *Diss. Abstr. Int. B*, 1986, **47**, 2394.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4313 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2561.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 993.
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 857, 862.

Guabenxan, INN G-00088

(1,4-Benzodioxan-6-ylmethyl)guanidine, 8CI. Guanoxan. [(2,3-Dihydro-1,4-benzodioxin-6-yl)methyl]guanidine, 9CI

[19889-45-3]



$C_{10}H_{13}N_3O_2$ M 207.232

Antihypertensive agent. Mp 164-165°.

2B,H_2SO_4: [17471-82-8]. Cryst. (H_2O). Mp 205°.

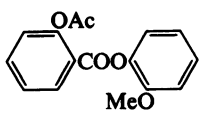
▷ME8510500.

Augstein, J. *et al*, *J. Med. Chem.*, 1965, **8**, 446 (*pharmacol*)
Stenlake, J.B. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 82 (*synth*)
Jack, D. *et al*, *J. Pharm. Pharmacol.*, 1971, **23**, 2225 (*metab*)
Depin, J.-C. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 241 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12800.

Guacetisal, INN G-00089

2-Methoxyphenyl 2-(acetyloxy)benzoate, 9CI. o-Methoxyphenyl salicylate acetate. Guaiacol acetylsalicylate. Broncaspin. Guaiaspir. Guajabronc. Prontomucil. Portaben

[55482-89-8]



$C_{16}H_{14}O_5$ M 286.284

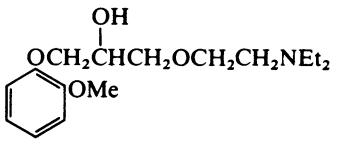
Immunogenic agent; analgesic, antipyretic, expectorant. Cryst. (EtOH). Mp 71-73°.

Schlumberger, H.D., *Int. Arch. Allergy Appl. Immunol.*, 1975, **48**, 467 (*pharmacol*)
Anon, *Drugs of Today*, 1980, **16**, 80 (*rev, pharmacol*)
Papini, P. *et al*, *Boll. Chim. Farm.*, 1980, **119**, 197 (*synth*)
Mura, P. *et al*, *Farmaco, Ed. Prat.*, 1986, **41**, 226 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12801.

Guafecainol, INN G-00090

1-[2-(Diethylamino)ethoxy]-3-(2-methoxyphenoxy)-2-propanol, 9CI. Brufacaine. Symprocaine active substance

[36199-78-7]



$C_{16}H_{27}NO_4$ M 297.394

(±)-*form*

Local anaesthetic. Antiarrhythmic agent. Bp_1 170-180°.

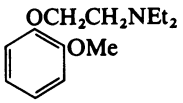
B,HCl: Cryst. (Me_2CO). Mp 89-91°.

Djonlagic, H. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1776 (*pharmacol*)
Ger. Pat., 2 431 126, (*1976*); *CA*, **84**, 111688 (*synth, props*)

Guaiactamine, INN G-00091

N,N-Diethyl-2-(2-methoxyphenoxy)ethanamine, 9CI. 2-(o-Methoxyphenoxy)triethylamine, 8CI. Dumenan

[15687-23-7]



$C_{13}H_{21}NO_2$ M 223.314

Spasmolytic agent. Bp_2 126-127°.

B,HCl: [32599-09-0]. Mp 114-115°.

▷IA3325000.

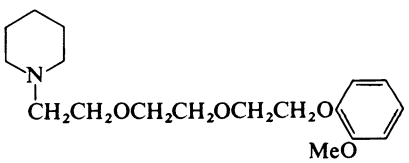
Citrate (1:1): [59547-56-7].

Nickerson, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1951, **101**, 379 (*pharmacol*)
Wright, H.B. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 2281 (*synth, pharmacol*)
Casagrande, C. *et al*, *Farmaco, Ed. Sci.*, 1972, **27**, 445 (*synth*)

Guaiapate, USAN, INN G-00092

1-[2-[2-[2-(2-Methoxyphenoxy)ethoxy]ethoxy]ethyl]-piperidine, 9CI, 8CI. Piperoctane. Klamar. MG 5454

[852-42-6]



$C_{18}H_{29}NO_4$ M 323.431

Antitussive. $Bp_{0.5}$ 166-170°. Used as citrate or acetate.

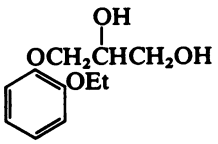
▷TN1062500.

Carissimi, M. *et al*, *J. Med. Chem.*, 1965, **8**, 542 (*synth, pharmacol*)
Barbi, G., *Gazz. Med. Ital.*, 1968, **127**, 13 (*pharmacol*)
Cavicchi, G. *et al*, *Boll. Chim. Farm.*, 1969, **108**, 682 (*anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12803.

Guaietolin, INN **G-00093**

3-(2-Ethoxyphenoxy)-1,2-propanediol, 9CI. Glyceryl-guethol. Glyguetol. Guethural

[63834-83-3]



$C_{11}H_{16}O_4$ M 212.245

▷TY6412000.

(±)-form

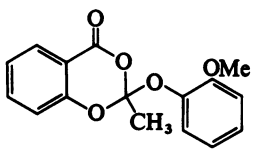
Antiseptic, bronchosecretolytic, mucolytic. Mp 65-66°. Bp_1 153-154°.

Meltzer, R.I. *et al, J. Am. Chem. Soc.*, 1950, **72**, 4986 (*synth*)
Berger, F.M. *et al, Proc. Soc. Exp. Biol. Med.*, 1953, **82**, 532 (*activity*)
Ueda, T. *et al, Chem. Pharm. Bull.*, 1960, **8**, 921 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12795.

Guaimesal, INN **G-00094**

2-(2-Methoxyphenoxy)-2-methyl-4H-1,3-benzodioxan-4-one, 9CI. MR 693

[81674-79-5]



$C_{16}H_{14}O_5$ M 286.284

(±)-form [89053-43-0]

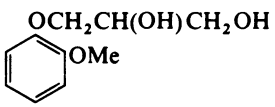
Antitussive, antiinflammatory, antipyretic agent. Cryst. (EtOH). Mp 70-74°.

Belg. Pat., 890 731, (*1982*); *CA*, **96**, 199707w (*synth, pharmacol*)
Destro, R. *et al, Tetrahedron*, 1983, **39**, 3151 (*cryst struct*)

Guaiphenesin, BAN **G-00095**

3-(2-Methoxyphenoxy)-1,2-propanediol, 9CI. ***Guaifenesin,*** *USAN, INN. Guaiacol glycerol ether. Robitussin. Cortussin. Numerous proprietary names*

[93-14-1]



$C_{10}H_{14}O_4$ M 198.218

Cough suppressant, antiasthmatic and expectorant.

▷TY8400000.

(±)-form

Prisms (Et_2O). Mp 78.5-79.5°. Bp_{19} 215°.

Compd. with Theophylline (1:1): see Theophylline, T-00169

1-Carbamate: [532-03-6]. ***Methocarbamol,*** *BAN, INN. Numerous proprietary names.*

$C_{11}H_{15}NO_5$ M 241.243

Muscle relaxant and antispasmodic. Cryst. (C_6H_6). Mp 92-94°.

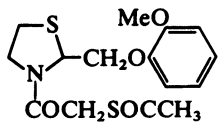
▷TY8750000.

Yale, H.L. *et al, J. Am. Chem. Soc.*, 1950, **72**, 3710 (*synth*)
Truitt, E.B. *et al, J. Pharmacol. Exp. Ther.*, 1958, **122**, 239 (*pharmacol*)
Schmid, O. *et al, Monatsh. Chem.*, 1963, **94**, 339 (*Methocarbamol*)
Vandenheuvel, W.J.A. *et al, J. Pharm. Sci.*, 1972, **61**, 1997 (*metab*)
Lubina, B., *Pharm.-Ztg.*, 1974, **119**, 1444 (*uv*)
Kauert, G. *et al, Dtsch. Apoth. Ztg.*, 1979, **119**, 986 (*rev, pharmacol, tox*)
Dishong, D.M. *et al, J. Am. Chem. Soc.*, 1983, **105**, 586 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1663, 2061.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2018, 5725.

Guaistene, INN **G-00096**

Ethanethioic acid S-[2-[2-[(2-methoxyphenoxy)-methyl]-3-thiazolidinyl]-2-oxoethyl]ester, 9CI. 3-Ethoxycarbonylthioacetyl-2-(o-methoxyphenoxy)-methylthiazolidine

[103181-72-2]



$C_{15}H_{19}NO_4S_2$ M 341.439

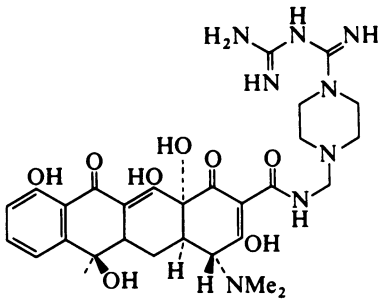
Antitussive. Mp 72-76°.

Eur. Pat., 169 581, (*1986*); *CA*, **105**, 42781 (*synth, pharmacol*)

Guamecycline, BAN, INN **G-00097**

Xanthomycin, 8CI. Tetrabiguanide. Xanthocycline

[16545-11-2]



$C_{29}H_{38}N_8O_8$ M 626.668

Semisynthetic tetracycline. Antibacterial agent. Not the same as Xanthomycin of unknown struct. from a *Streptomyces* sp. Refs. are confused in *CA*.

▷QI7610000.

B,2HCl: [13040-98-7]. *Bronco-Was. Terratrex.* Cryst. (EtOH aq.). Mp 220-222°.

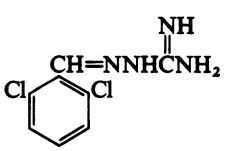
▷QI7610500.

B.P., 1 042 207, (*1966*); *CA*, **65**, 16922 (*manuf, isol, struct*)
Bhusari, K.P., *J. Hosp. Pharm.*, 1981, **18**, 122 (*rev*)
Sayeed, V.A. *et al, Diss. Abstr. Int. B*, 1982, **43**, 1107 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12804.

Guanabenz, USAN, INN **G-00098**

2-[2,6-Dichlorophenyl)methylene]-hydrazinecarboximidamide, 9CI. [(2,6-Dichlorobenzylidene)amino]guanidine, 8CI. NSC 68982. Other proprietary names

[5051-62-7]



$C_8H_8Cl_2N_4$ M 231.084

Antihypertensive drug. Mp 227-229° dec.

B,AcOH: [23256-50-0]. *Guanabenz acetate*, *USAN*. Mp 192.5° dec.

N-*Hydroxy:* [24047-25-4]. ***Guanoxabenz*, *USAN*, *INN***.

$C_8H_8Cl_2N_4O$ M 247.083

Antihypertensive drug.

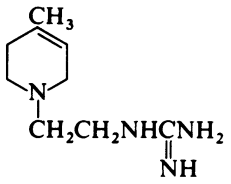
B,HCl: [23256-40-8]. *Benzerial*. Cryst. (EtOH/Et_2O). Mp 173-175°.

B.P., 1 019 120, (*1966*); *CA*, **64**, 11132h (*synth*)
Ger. Pat., 1 902 449, (*1969*); *CA*, **71**, 123963 (*Guanoxabenz*)
Neumann, M., *Drugs of Today*, 1978, **14**, 242 (*Guanoxabenz*)
Holmes, B. *et al*, *Drugs*, 1983, **26**, 212 (*rev*)
Shearer, C.M. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 319 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 842 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 865, 12808.

Guanacline, BAN, INN G-00099

[*2-(3,6-Dihydro-4-methyl-1(2H)-pyridinyl)ethyl*]-*guanidine*, *9CI*. *1-(2-Guanidinoethyl)-1,2,3,6-tetrahydro-4-picoline*. *Cyclazenin*. *FBA 1464*

[1463-28-1]



$C_9H_{18}N_4$ M 182.268

Antihypertensive agent.

B,H_2SO_4: [1562-71-6]. *Guanacline sulfate*, *USAN*. *Leron*. *Linugon*. *Liron*. Cryst. +2H_2O (EtOH/EtOAc). Mp 185-186° dec. Unstable in air.

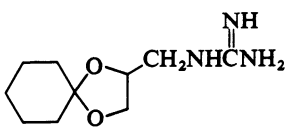
▷MF0530000.

B.P., 985 354, (*1965*); *CA*, **63**, 586 (*synth*)
Kroneberg, G. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 199 (*pharmacol*)
Wollweber, H. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 2089 (*pharmacol, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 866.

Guanadrel, INN G-00100

(*1,4-Dioxaspiro[4.5]dec-2-ylmethyl*)*guanidine*, *9CI*. *2-(Guanidinomethyl)-1,4-dioxaspiro[4.5]decane*

[40580-59-4]



$C_{10}H_{19}N_3O_2$ M 213.279

Antihypertensive drug.

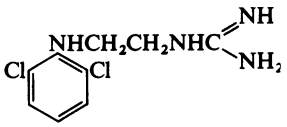
2B,H_2SO_4: [22195-34-2]. *Guanadrel sulfate*, *USAN*. *Anarel*. *Hylorel*. *CL 1388R*. *U 28288D*. Cryst. (MeOH/EtOH). Mp 213.5-215°.

Fr. Pat., 1 522 153, (*1968*); *CA*, **71**, 3249 (*synth, pharmacol*)
Hansson, L. *et al*, *Clin. Pharmacol. Ther.*, 1973, **14**, 204 (*pharmacol*)
Johnson, E.M. *et al*, *Biochem. Pharmacol.*, 1979, **28**, 1525 (*pharmacol*)
Palmer, J.D. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1983, **3**, 220 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 867.

Guanclofine, INN G-00101

[*2-[(2,6-Dichlorophenyl)amino]ethyl*]*guanidine*, *9CI*. [*2-(2,6-Dichloroanilino)ethyl*]*guanidine*. *Vopressal*

[55926-23-3]



$C_9H_{12}Cl_2N_4$ M 247.127

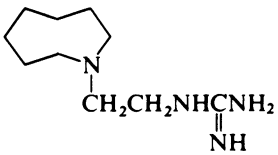
Antihypertensive agent. Cryst. (toluene). Mp 101-109°.

Ger. Pat., 2 612 137, (*1976*); *CA*, **86**, 5200a (*synth, pharmacol*)
Glusa, E. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1982, **45**, 27 (*pharmacol*)

Guanethidine, BAN, INN G-00102

[*2-(Hexahydro-1(2H)-azocinyl)ethyl*]*guanidine*, *9CI*. *Numerous proprietary names*

[55-65-2]



$C_{10}H_{22}N_4$ M 198.311

Antihypertensive agent.

▷MF2975000.

2B,H_2SO_4: [60-02-6]. *Guanethidine sulfate*, *USAN*. *Guethine*. *Ismelin*. Cryst. Mp 276-281° dec.

▷MF3240000.

B,H_2SO_4: [645-43-2]. *Guanethidine monosulfate*, *USAN*.

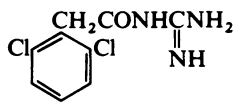
▷MF3150000.

Maxwell, R.A. *et al*, *Experientia*, 1959, **15**, 267 (*synth*)
Sah, H.J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 53 (*rev*)
Juul, P., *Handb. Exp. Pharmacol.*, 1981, **54**, 505 (*rev, tox*)
Shih, Y.-E. *et al*, *CA*, 1981, **94**, 47113 (*synth*)
Maxwell, R.A. *et al*, *Br. J. Clin. Pharmacol.*, 1982, **13**, 35 (*rev, pharmacol*)
Boura, A.L.A. *et al*, *Discoveries Pharmacol.*, 1984, **2**, 73 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1788 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds.. 1982/1989, Pharmaceutical Press, London, 869.

Guanfacine, BAN, INN, JAN G-00103

N-(*Aminoiminomethyl*)-*2,6-dichlorobenzeneacetamide*, *9CI*. N-*Amidino-2-(2,6-dichlorophenyl)acetamide*, *8CI*

[29110-47-2]



$C_9H_9Cl_2N_3O$ M 246.096

Antihypertensive agent. Cryst. (MeOH/Et_2O). Mp 225-227°.

B,HCl: [29520-14-7]. *Guanfacine hydrochloride*, *USAN*. *Entulic*. *Estulic*. *Hipertensal*. *Tenex*. *BS 100-141*. *LON 798*. Mp 213-216°.

Bream, J.B. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1477 (*synth, pharmacol*)
Scholtysik, G. *et al*, *Br. J. Clin. Pharmacol.*, 1980, **10**, 21, 25 (*rev, pharmacol, metab*)

Vidt, D.G. *et al*, Eds., *Am. J. Cardiol.*, 1986, **57** (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12806.

Guan-fu base C G-00104

[1394-51-0]

Struct. unknown

$C_{22}H_{33}NO_2$ M 343.508
Alkaloid from the Chinese herbal drug Guan-Bai-Fu-Tzu (*Aconitum koreanum*) (Ranunculaceae). Mp 150°. $[\alpha]_D^{16.4}$ −21.2° (EtOH).
B,HBr: Mp 235°.
B,HNO_3: Mp 222°.
Di-Ac; B,HCl: Mp 222.5-224°.

Kao, H.-C. *et al*, *Yao Hsueh Hsueh Pao*, 1966, **13**, 186; *CA*, **65**, 3922g (*isol*)

Guan-fu base D G-00105

[59113-42-7]

Struct. unknown

$C_{24}H_{35}NO_3$ M 385.545
Alkaloid from the Chinese herbal drug Guan-Bai-Fu-Tzu (*Aconitum koreanum*) (Ranunculaceae).
B,HNO_3: [1394-52-1]. Mp 210-211°.

Kao, H.-C. *et al*, *Yao Hsueh Hsueh Pao*, 1966, **13**, 186; *CA*, **65**, 3922g (*isol*)

Guan-fu base E G-00106

[59113-41-6]

Struct. unknown

$C_{29}H_{43}NO_7$ M 517.661
Alkaloid from the Chinese herbal drug Guan-Bai-Fu-Tzu (*Aconitum koreanum*) (Ranunculaceae).
B,$HClO_4$: [1394-53-2]. Mp 272°.

Kao, H.-C. *et al*, *Yao Hsueh Hsueh Pao*, 1966, **13**, 186; *CA*, **65**, 3922g (*isol*)

Guan-fu base F G-00107

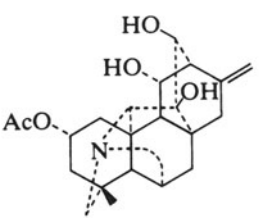
[79030-10-7]

Struct. unknown

$C_{26}H_{35}NO_6$ M 457.566
Alkaloid from the Chinese herbal drug Guan-Bai-Fu-Tzu (*Aconitum koreanum*) (Ranunculaceae). Mp 184°.

Liu, J.-H. *et al*, *Chung Ts'ao Yao*, 1981, **12**, 1; *CA*, **95**, 138450q (*isol*)

Guan-fu base Y G-00108



$C_{22}H_{29}NO_5$ M 387.475
Alkaloid from *Aconitum koreanum* (Ranunculaceae). Cryst. (Me_2CO). Mp 218-219°.

Reinecke, M.G. *et al*, *Tetrahedron*, 1986, **42**, 6621 (*pmr, cmr, ms, struct*)

Guanidinoacetic acid G-00109

N-(*Aminoiminomethyl*)*glycine*, *9CI. Glycocyamine.* N-*Guanylglycine*

[352-97-6]

$HN{=}C(NH_2)NHCH_2COOH$

$C_3H_7N_3O_2$ M 117.107
Occurs in the sea anemone *Anthopleura japonica* and other spp. Has cardiotonic props. Plates (H_2O). Mp 280-284° dec.
B,HCl: [14901-20-3]. Plates (conc. HCl). Mp 200° dec.
$C_4H_9N_3O_2$ M 131.134

Org. Synth., Coll. Vol., **3**, 440 (*synth*)
Walter, W., *Angew. Chem.*, 1955, **67**, 275 (*synth*)
Fasold, H. *et al*, *Biochem. Z.*, 1961, **335**, 86 (*synth*)
Cramer, F. *et al*, *Chem. Ber.*, 1962, **95**, 1670 (*synth*)
Pant, R., *Hoppe-Seyler's Z. Physiol. Chem.*, 1964, **335**, 272 (*synth*)

4-Guanidinobutanoic acid G-00110

4-[(Aminoiminomethyl)amino]butanoic acid, *9CI. 4-(1-Guanidino)butyric acid*, *8CI*

[463-00-3]

$NH{=}C(NH_2)NHCH_2CH_2CH_2COOH$

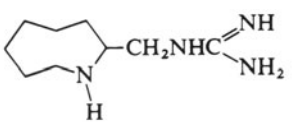
$C_5H_{11}N_3O_2$ M 145.161
Occurs in the sea anemone *Anthopleura japonica* and other spp. Cryst. + $2H_2O$ (H_2O).
B,HCl: [13890-14-7]. Mp 184°.
Amide: [4210-97-3]. *4-Guanidinobutyramide.* ***Tyformin, BAN.*** *Tiformin, INN.*
$C_5H_{12}N_4O$ M 144.176
Oral hypoglycaemic agent.
Amide; B,HCl: [23256-39-5]. *HL523. Augmentin.* Cryst. (MeOH). Mp 108°.

Robin, Y., *Bull. Soc. Chim. Biol.*, 1953, **35**, 285 (*biosynth*)
Makisumi, S., *J. Biochem. (Tokyo)*, 1961, **49**, 284 (*isol*)
Pant, R., *Hoppe-Seyler's Z. Physiol. Chem.*, 1964, **335**, 272 (*synth*)
Belgian Pat., 696 826, (*1967*) (*amide*)
Tomita, K. *et al*, *Tetrahedron Lett.*, 1971, 2587; *Bull. Chem. Soc. Jpn.*, 1972, **45**, 3628 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13387.

2-(Guanidinomethyl)octahydro-1*H*-azocine G-00111

[(*Octahydro-2-azocinyl*)*methyl*]*guanidine*, *9CI. 2-(Guanidinomethyl)heptamethylenimine*, *8CI.* ***Guanazodine, INN***

[32059-15-7]



$C_9H_{20}N_4$ M 184.284
Antihypertensive, beta-adrenergic blocking agent.
B,H_2SO_4: [42839-36-1]. *Calnegyt. Sanegyt. Egyt 739. HF 37.* Cryst. + $1H_2O$ (H_2O). Mp 239-241°.
▷MF5350000.

Past, T. *et al*, *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1973, **8**, 111 (*pharmacol*)

Ger. Pat., 2 608 186, (*1976*); *CA*, **85**, 192593 (*synth*)
Iwata, H. *et al*, *Oyo Yakuri*, 1977, **14**, 235 (*pharmacol*)
Reiterer, W., *Arzneim.-Forsch.*, 1977, **27**, 2163 (*pharmacol*)
Ariyoshi, T. *et al*, *Oyo Yakuri*, 1981, **21**, 67, 77 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12805.

Guanidotaurine G-00112

2-[(Aminoiminomethyl)amino]ethanesulfonic acid, *9CI*. *N-Amidinotaurine*, *8CI*. *Taurocyamine*

[543-18-0]

$HN{=}C(NH_2)NHCH_2CH_2SO_3H$

$C_3H_9N_3O_3S$ M 167.182

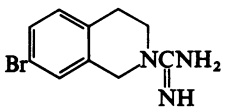
Isol. from urine. Antistaphylococcal, antifibrinolytic. Cryst. (EtOH/Me_2CO). Mp 226-228°, 264°.

Schram, E. *et al*, *Bull. Soc. Chim. Biol.*, 1957, **39**, 561 (*isol*)
Fujii, A. *et al*, *J. Med. Chem.*, 1975, **18**, 502 (*synth, pharmacol*)

Guanisoquine, INN G-00113

7-Bromo-3,4-dihydro-2(1H)-isoquinolinecarboximidamide, *9CI*

[154-73-4]



$C_{10}H_{12}BrN_3$ M 254.129

Antihypertensive drug.

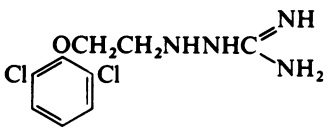
2B,H_2SO_4: [1212-83-5]. *Guanisoquin sulfate*, *USAN*. *P 3896*. Mp 280° dec.

Scriabine, A. *et al*, *J. Pharmacol. Exp. Ther.*, 1965, **147**, 277 (*pharmacol*)
U.S.P., 3 314 963, (*1967*); *CA*, **67**, 108567 (*synth, pharmacol*)

Guanochlor, BAN, INN G-00114

2-[2-(2,6-Dichlorophenoxy)ethyl]-hydrazinecarboximidamide, *9CI*. *[2-(2,6-Dichlorophenoxy)ethyl]aminoguanidine*

[5001-32-1]



$C_9H_{12}Cl_2N_4O$ M 263.126

Antihypertensive agent.

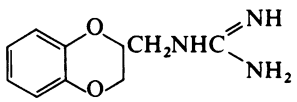
2B,H_2SO_4: [551-48-4]. *Guanoclor sulfate*, *USAN*. *Vatensol*. *NSC 108163*. *P 1029*. Cryst. (H_2O). Mp 214°.

Augstein, J. *et al*, *J. Med. Chem.*, 1965, **8**, 395; 1967, **10**, 391 (*synth, pharmacol*)
Kadzielawa, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **170**, 287, 297 (*pharmacol*)
Durant, G.J. *et al*, *Prog. Med. Chem.*, 1970, **7**, 124 (*rev*)
Ham, N.S., *J. Pharm. Sci.*, 1976, 612 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 870.

Guanoxan, BAN, INN G-00115

[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]guanidine, *9CI*. *(1,4-Benzodioxan-2-ylmethyl)guanidine*, *8CI*. *2-Guanidinomethyl-1,4-benzodioxan*

[2165-19-7]



$C_{10}H_{13}N_3O_2$ M 207.232

(+)-*form*

B,H_2SO_4: [19694-61-2]. Mp 225°. $[\alpha]_D^{22}$ +55° (c, 0.49 in H_2O).

(−)-*form*

B,H_2SO_4: [19694-60-1]. Mp 224-225°. $[\alpha]_D^{22}$ −55° (c, 0.48 in H_2O).

(±)-*form*

Antihypertensive agent.

B,HCl: Mp 147-148°.

B,H_2SO_4: Guanoxan sulfate, *USAN*, *INN*. *Enacar*. *Envacar*. *Guanutil*. *P 1003*. Cryst. (H_2O). Mp 205-208°.

Augstein, J. *et al*, *J. Med. Chem.*, 1965, **8**, 446 (*synth, pharmacol*)
Cession-Fossion, A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **164**, 419 (*pharmacol*)
Kadzielawa, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **170**, 287, 297 (*pharmacol*)
Yu, I.-C. *et al*, *CA*, 1967, **66**, 94969 (*synth*)
Stenlake, J.B. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 82S (*resoln, pharmacol*)
Vidal-Beretewide, K. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 947 (*pharmacol*)
Jack, D.B. *et al*, *J. Pharm. Pharmacol.*, 1971, **23**(Suppl.), 222 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 871.

H

Hachimycin, BAN, INN **H-00001**

Trichomycin, 9CI. Cabimicina. Trichonat. Trichosept. Vegex

[1394-02-1]

Prod. by *Streptomyces hachijoensis*. Used in treatment of trichomoniasis. Yellow cryst.

▷An antibiotic complex consisting of a mixt. of Trichomycins A, B and C. YC9800000.

Trichomycin A [12698-99-6]

$C_{61}H_{86}N_2O_{21}$ M 1183.351

Active against yeasts, fungi and *Trichomonas vaginalis*. Amphoteric light-yellow plates. Mp >320°.

▷LD 2.2 mg/kg (mice). YC9820000.

Trichomycin B [12699-00-2]

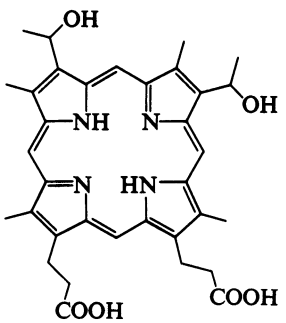
Amphoteric yellow cryst.

Hosoya, S. *et al*, *J. Antibiot., Ser. A*, 1952, **5**, 564 (*isol*)
Hattori, K. *et al*, *J. Antibiot., Ser. B*, 1955, **8**, 89, 312 (*isol*)
Nakano, H., *J. Antibiot., Ser. A*, 1961, **14**, 68, 72 (*isol, use, uv*)
Waksman, S.A., *The Actinomycetes*, 1962, **3**, Williams and Wilkins, Baltimore, 397 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2583.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2633.

Haematoporphyrin **H-00002**

Haematoporphyrin IX. Hematoporphyrin. Numerous proprietary names

[14459-29-1]



$C_{34}H_{38}N_4O_6$ M 598.697

Obt. from Haemin or Haematin, by removal of Fe with conc. acids. Used in tumour phototherapy. Antidepressant. Purple cryst. (Et_2O/AcOH).

▷TS5500000.

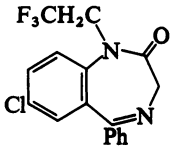
Di-Me ester: [32562-61-1].
$C_{36}H_{42}N_4O_6$ M 626.751
Violet cryst. ($CHCl_3$/MeOH). Mp 212°.

Fischer, H. *et al*, *Die Chemie des Pyrrols*, 1937, Akademische Verlag, Leipzig, Vol. II (*i*), 421
Falk, J.E., *Porphyrins and Metalloporphrins*, Elsevier, New York, 1964, 175 (*rev*)
Sano, S. *et al*, *Biochem. J.*, 1965, **97**, 250 (*pmr*)
Evans, N. *et al*, *J. Chromatogr.*, 1975, **115**, 325 (*hplc, ms*)
Luzgina, V.N. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 26 (*rev, synth, pharmacol*)
Kessel, D., *Photochem. Photobiol.*, 1984, **39**, 851 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8024.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12811.

Halazepam, BAN, USAN, INN **H-00003**

7-Chloro-1,3-dihydro-5-phenyl-1-(2,2,2-trifluoroethyl)-2H-1,4-benzodiazepin-2-one, 9CI. Pacinone. Pasipam. Paxipam. Sch 12041

[23092-17-3]



$C_{17}H_{12}ClF_3N_2O$ M 352.743

Tranquilliser. Mp 164-166°.

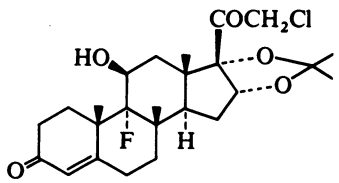
▷DF2376100.

Steinman, M. *et al*, *J. Med. Chem.*, 1973, **16**, 1354 (*synth, pharmacol*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Oklobdzija, M. *et al*, *Acta Pharm. Jugosl.*, 1980, **30**, 121; *CA*, **94**, 121481 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7050.

Halcinonide, BAN, USAN, INN, JAN **H-00004**

21-Chloro-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregn-4-ene-3,20-dione, 9CI. 21-Chloro-9-fluoro-11β,16α,17-trihydroxy-4-pregnene-3,20-dione cyclic 16,17-acetal with acetone, 8CI. Halciderm. Halcimat. Halcort. Halog. Other proprietary names

[3093-35-4]



$C_{24}H_{32}ClFO_5$ M 454.965

Topical corticosteroid. Cryst. (Me_2CO/hexane). Mp 276°. $[\alpha]_D^{25}$ +155° ($CHCl_3$).

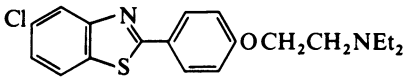
▷TU5010200.

Bernstein, S. *et al*, *J. Org. Chem.*, 1962, **27**, 690 (*synth, pharmacol*)
Millonig, R.C. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 215 (*rev, pharmacol*)
Kirshbaum, J., *Anal. Profiles Drug Subst.*, 1979, **8**, 251 (*rev*)
Ceolin, R. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 148 (*cryst struct*)
Annen, K. *et al*, *Justus Liebigs Ann. Chem.*, 1982, 966 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7150 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1104.

Halethazole, BAN H-00005

5-Chloro-2-[4-(2-diethylaminoethoxy)phenyl]-benzothiazole. ***Haletazole, INN.*** *Episol*

[15599-36-7]



$C_{19}H_{21}ClN_2OS$ M 360.901

Antifungal agent. Cryst. (EtOH). Mp 93-94°.

B,HCl: Cryst. (H_2O). Mp 228°.

Citrate: Cryst. (H_2O). Mp 167°.

Oxalate: Mp 171-172°.

Tartrate: Mp 121-132°.

Cossey, H.D. *et al, J. Chem. Soc.*, 1963, 4322 (*synth*)

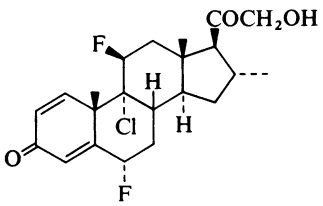
Cossey, H.D. *et al, Arzneim.-Forsch.*, 1966, **16**, 33 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2584.

Halocortolone, INN H-00006

9-Chloro-6α,11β-difluoro-21-hydroxy-16α-methyl-pregna-1,4-diene-3,20-dione, 8CI

[24320-27-2]



$C_{22}H_{27}ClF_2O_3$ M 412.903

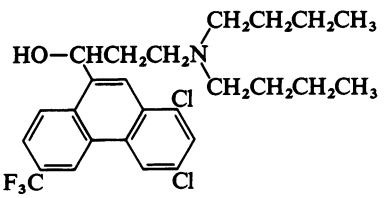
Vasoconstrictor. Glucocorticoid. Cryst. (Me_2CO/hexane). Mp 211.5-214°.

Fr. Pat., 1 601 117, (*1970*); *CA*, **75**, 6195 (*synth, pharmacol*)

Halofantrine, INN H-00007

1,3-Dichloro-α-[2-(dibutylamino)ethyl]-6-(trifluoromethyl)-9-phenanthrenemethanol, 9CI

[69756-53-2]



$C_{26}H_{30}Cl_2F_3NO$ M 500.430

(±)-form [66051-63-6]

Antimalarial drug.

B,HCl: [36167-63-2]. *Halofantrine hydrochloride, USAN. WR 171669.* Mp 93-96° and 203-204°.

▷SF7790000.

Colwell, W.T. *et al, J. Med. Chem.*, 1972, **15**, 771 (*synth, pharmacol*)

Carroll, F.I. *et al, J. Med. Chem.*, 1978, **21**, 326 (*resoln, pharmacol*)

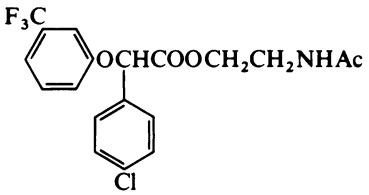
Schmidt, L.H. *et al, Antimicrob. Agents Chemother.*, 1978, **14**, 292 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16829.

Halofenate, BAN, USAN, INN H-00008

4-Chloro-α-[3-(trifluoromethyl)phenoxy]benzeneacetic acid 2-(acetylamino)ethyl ester, 9CI. (p-*Chlorophenyl*)[(α,α,α-*trifluoro*-m-*tolyl*)*oxy*]*acetic acid* N-(*2-hydroxyethyl*)*acetamide, 8CI. Lipivas. Livipas. MK 185*

[26718-25-2]



$C_{19}H_{17}ClF_3NO_4$ M 415.796

Uricosuric, antihyperlipidaemic agent. Insol. H_2O, sol. C_6H_6, $CHCl_3$, MeOH. Mp 93.5-95.5°.

South African Pat., 67 05 870, (*1967*); *CA*, **71**, 101563 (*synth*)

Hucker, H.B. *et al, J. Pharmacol. Exp. Ther.*, 1971, **179**, 359 (*metab*)

Ryan, J.R. *et al, Clin. Pharmacol. Ther.*, 1971, **12**, 464, 517 (*pharmacol*)

Greenspan, M.D. *et al, Biochim. Biophys. Acta*, 1975, **380**, 190 (*pharmacol*)

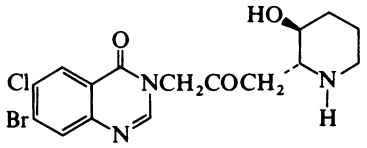
U.S.P., 3 953 490, (*1976*); *CA*, **85**, 20901c

Mandel, L.R., *Lipids*, 1977, **12**, 34 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1350.

Halofuginone, BAN, INN H-00009

7-Bromo-6-chloro-3-[3-(3-hydroxy-2-piperidinyl)-2-oxopropyl]-4(3H)-quinazolinone, 9CI



Relative configuration

$C_{16}H_{17}BrClN_3O_3$ M 414.686

(±)-trans-form [55837-20-2]

Veterinary antiprotozoal agent.

B,HBr: [64924-67-0]. *Halofuginone hydrobromide, USAN. Stenorol. RU 19110.* Cryst. Mp 247° dec.

U.S.P., 3 320 124, (*1967*); *CA*, **68**, 39647 (*synth, pharmacol*)

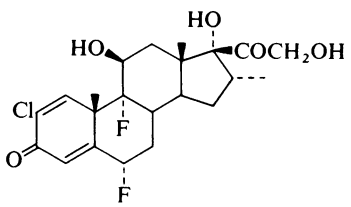
Ger. Pat., 2 703 652, (*1977*); *CA*, **87**, 184543e (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12813.

Halometasone, INN H-00010

2-Chloro-6α,9-difluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione, 9CI. Sicorten. C 48401

[50629-82-8]



$C_{22}H_{27}ClF_2O_5$ M 444.902

Glucocorticoid, antiinflammatory agent.

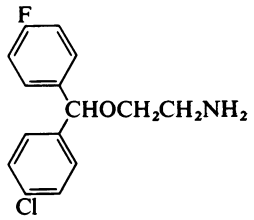
U.S.P., 4 076 737, (*1978*); *CA*, **89**, 110120 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16830.

Halonamine, INN **H-00011**

2-[(4-Chlorophenyl)(4-fluorophenyl)methoxy]-ethanamine, 9CI. *2-[[p-Chloro-α-(p-fluorophenyl)-benzyl]oxy]ethylamine*

[50583-06-7]



$C_{15}H_{15}ClFNO$ M 279.741

(±)-form

Antiparkinsonian agent.

Maleate: [50376-83-5]. Cryst. (EtOH/Et_2O). Mp 134-136°.

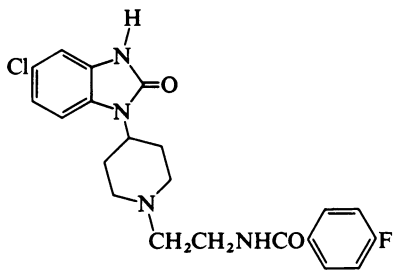
Ger. Pat., 2 311 067, (*1973*); *CA*, **79**, 136776w (*synth, pharmacol*)

Van der Zeeg, P. *et al*, *Neuropharmacology*, 1978, **17**, 483 (*pharmacol*)

Halopemide, USAN, INN **H-00012**

N-[2-[4-(5-Chloro-2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-1-piperidinyl]ethyl]-4-fluorobenzamide, 9CI. *R 34,301*

[59831-65-1]



$C_{21}H_{22}ClFN_4O_2$ M 416.882

Antipsychotic, antiemetic. Cryst. (2-propanol). Mp 239.6°.

Ger. Pat., 2 636 614, (*1975*); *CA*, **87**, 23277f (*synth, pharmacol*)

Denef, C. *et al*, *Life Sci.*, 1978, **23**, 431 (*pharmacol*)

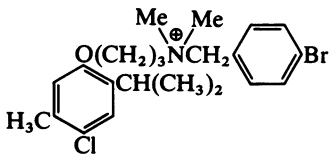
Van Rooij, H.H. *et al*, *J. Chromatogr.*, 1979, **164**, 177 (*hplc*)

Van Opdenbosch, N. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 965 (*cryst struct*)

Loonen, A.J.M. *et al*, *Pharm. Weekbl. Sci. Ed.*, 1985, **7**, 1 (*rev*)

Halopenium(1+) **H-00013**

4-Bromo-N-[3-[4-chloro-5-methyl-2-(1-methylethyl)-phenoxy]propyl]-N,N-dimethylbenzenemethanaminium, 9CI



$C_{22}H_{30}BrClNO^{\oplus}$ M 439.842 (ion)

Antibacterial and antifungal agent.

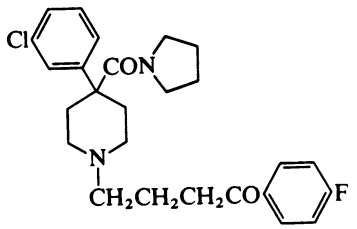
Chloride: [7008-13-1]. *Halopenium chloride,* BAN, INN.
$C_{22}H_{30}BrCl_2NO$ M 475.295
Cryst. (EtOH). Mp 191°.

Ide, W.S. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 2234 (*synth*)

Haloperidide **H-00014**

1-[[4-(3-Chlorophenyl)-1-[4-(4-fluorophenyl)-4-oxobutyl]-4-piperidinyl]carbonyl]pyrrolidine, 9CI. *4-[4-(m-Chlorophenyl)-4-(1-pyrrolidinylcarbonyl)piperidino]-4'-fluorobutyrophenone. R 3201*

[2924-46-1]



$C_{26}H_{30}ClFN_2O_2$ M 456.987

Neuroleptic agent.

Oxalate: Mp 217-218°.

Belg. Pat., 601 228, (*1961*); *CA*, **56**, 10110e (*synth*)

Janssen, P.A.J., *Arzneim.-Forsch.*, 1961, **11**, 819 (*pharmacol*)

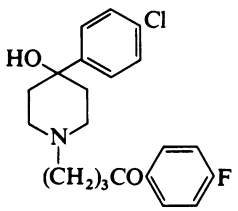
Mishkinsky, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94 (*pharmacol*)

Michel, A.G. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 2507 (*cryst struct*)

Haloperidol, BAN, USAN, INN, JAN **H-00015**

4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-4'-(4-flurophenyl)-1-butanone, 9CI. *4-[4-p-(Chlorophenyl)-4-hydroxypiperidinol]-4'-fluorobutyrophenone,* 8CI. *4-(p-Chlorophenyl)-1-(3-p-fluorobenzoylpropyl)-4-hydroxypiperidine. Seranace. Haldol. Numerous proprietary names*

[52-86-8]



$C_{21}H_{23}ClFNO_2$ M 375.870

Tranquilliser. Mp 148-149.4°.

▷EU1575000.

B,HCl: [1511-16-6]. V. sol. H_2O. Mp 226-227°.

Decanoyl: [74050-97-8]. ***Haloperidol decanoate, USAN.*** *Halomonth. Haldol decanoate. KD 136. R 13672.*
$C_{31}H_{41}ClFNO_3$ M 530.121
Antipsychotic drug.

Janssen, P.A.J. *et al*, *J. Med. Chem.*, 1959, **1**, 281 (*synth, pharmacol*)

Harper, N.J. *et al*, *J. Pharm. Pharmacol.*, 1966, **18**, 150 (*synth, pharmacol*)

Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)

Girant, Y. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1973, **205**, 317 (*pharmacol, tox*)

Janicki, C.A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 341 (*rev*)

Ger. Pat., 3 024 305, (*1981*); *CA*, **94**, 180676 (*decanoate*)

Settle, E.C. *et al*, *J. Clin. Psychiatry*, 1983, **44**, 440 (*rev, pharmacol*)

Azibi, M. *et al*, *J. Pharm. Sci.*, 1984, **73**, 512 (*cryst struct, ir*)

Beresford, R. *et al*, *Drugs*, 1987, **33**, 31 (*decanoate*)

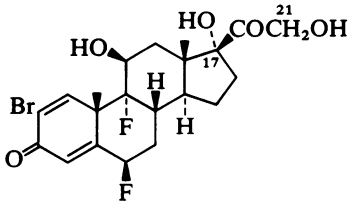
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6089 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7051, 18332.

Halopredone, INN **H-00016**

2-Bromo-6,9-difluoro-11,17,21-trihydroxypregna-1,4-diene-3,20-dione, 9CI

[57781-15-4]



$C_{21}H_{25}BrF_2O_5$ M 475.326

Glucocorticoid. Antiinflammatory agent. Cryst. (dichloroethane). Mp 228-230° dec. $[\alpha]_D^{24}$ −6° (c, 1 in $CHCl_3$).

17,21-Di-Ac: [57781-14-3]. ***Halopredone acetate, USAN.*** *Topicon. THS 201.*

$C_{25}H_{29}BrF_2O_7$ M 559.401

Topical antiinflammatory and thymolytic. Cryst. (C_6H_6). Mp 290-292° dec. $[\alpha]_D^{24}$ −36° (c, 1 in $CHCl_3$).

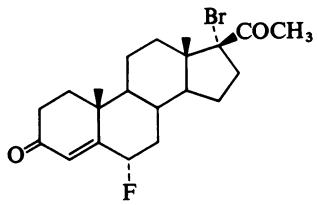
▷TU3720000.

Toscano, L. *et al, Arzneim.-Forsch.*, 1977, **27**, 1634, 1636, 2096, 2102, 2404 (*acetate*)
Toscano, L. *et al, J. Med. Chem.*, 1977, **20**, 213 (*synth, pharmacol*)
Mizushima, Y. *et al, Arzneim.-Forsch.*, 1980, **30**, 274 (*acetate*)
Kiniwi, M. *et al, Arch. Int. Pharmacol. Ther.*, 1986, **280**, 153 (*acetate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12814.

Haloprogesterone, USAN, INN **H-00017**

17-Bromo-6α-fluoropregn-4-ene-3,20-dione, 9CI, 8CI. *Prohalone*

[3538-57-6]



$C_{21}H_{28}BrFO_2$ M 411.353

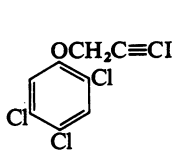
Progestin. Needles (Me_2CO/hexane). Mp 179-180° dec. $[\alpha]_D^{24}$ +12° (c, 0.1 in $CHCl_3$).

Engel, C.R. *et al, Can. J. Chem.*, 1960, **38**, 452 (*synth*)
Mills, J.B. *et al, J. Org. Chem.*, 1960, **25**, 1056 (*synth*)
Allen, G.R. *et al, J. Org. Chem.*, 1961, **26**, 5247 (*synth, uv*)
Smith, H.E. *et al, J. Biol. Chem.*, 1974, **249**, 5924 (*pharmacol*)

Haloprogin, USAN, INN, JAN **H-00018**

1,2,4-Trichloro-5-[(3-iodo-2-propynyl)oxy]benzene, 9CI. *3-Iodo-2-propynyl-2,4,5-trichlorophenyl ether,* 8CI. *Fungaclor. Halotex. Mycanden. Mycilan. Polik. M 1028. NSC 100071*

[777-11-7]



$C_9H_4Cl_3IO$ M 361.394

Antibacterial agent. Pale-yellow cryst. Mp 113-114°, 190° dec.

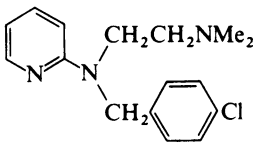
▷KO1225000.

Seki, S. *et al, Agric. Biol. Chem.*, 1963, **27**, 150 (*synth*)
Seki, S. *et al, Antimicrob. Agents Chemother.*, 1963, 569 (*pharmacol*)
Weikel, J.H. *et al, Toxicol. Appl. Pharmacol.*, 1972, **22**, 375 (*metab, tox*)
Kessler, H.J. *et al, Mykosen*, 1978, **21**, 138 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2585.

Halopyramine, BAN **H-00019**

N-[(*4-Chlorophenyl*)*methyl*]-N′,N′-*dimethyl*-N-*2-pyridinyl-1,2-ethanediamine,* 9CI. *2-*[(p-*Chlorobenzyl*)[*2-*(*dimethylamino*)*ethyl*]*amino*]*pyridine,* 8CI. ***Chloropyramine, INN.*** *Other proprietary names*

[59-32-5]



$C_{16}H_{20}ClN_3$ M 289.807

Antihistamine. Light-yellow, viscous, oily liquid. $Bp_{0.2}$ 154-155°.

▷US6320000.

B,HCl: [10458-04-5]. *Synopen.* Cryst. (Me_2CO). Insol. Et_2O, sol. H_2O, EtOH, $CHCl_3$. Mp 172-174°.

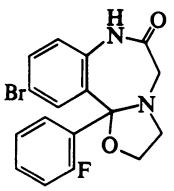
▷KV2905000.

U.S.P., 2 607 778, (*1952*); *CA*, **47**, 3884g (*synth*)
Toldy, L. *et al, CA*, 1958, **52**, 18402i (*synth*)
Nelter, K.J. *et al, Biochem. Pharmacol.*, 1967, **16**, 1627 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4037 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6135.

Haloxazolam, INN, JAN **H-00020**

*10-Bromo-11*b-(*2-fluorophenyl*)-*2,3,7,11*b-*tetrahydrooxazolo*[*3,2*-d] [*1,4*]*benzodiazepin-6*(5H)-*one,* 9CI. *Somelin. CS-430*

[59128-97-1]



$C_{17}H_{14}BrFN_2O_2$ M 377.212

▷RQ5831500.

(±)-***form*** [88111-67-5]

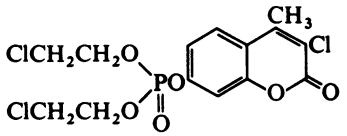
Tranquilliser, hypnotic. Mp 177.5-178.5°.

Yoshimoto, M. *et al, Chem. Pharm. Bull.*, 1977, **25**, 1378 (*pharmacol*)
Kamioka, T. *et al, Arzneim.-Forsch.*, 1978, **28**, 838 (*pharmacol*)
Neuman, M., *Drugs of Today*, 1981, **17**, 277 (*rev*)
Okada, Y. *et al, J. Chem. Soc.* (*C*), 1983, 784 (*cryst struct, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19283.

Haloxon, BAN, INN H-00021

Phosphoric acid bis(2-chloroethyl)-3-chloro-4-methyl-2-oxo-2H-1-benzopyran-7-yl ester, 9CI. 3-Chloro-7-hydroxy-4-methylcoumarin bis(2-chloroethyl)-phosphate, 8CI. Equilox. Eustidil. Galloxon. Galoxone. Halox. Helmirone. Loxon. Multiwurma. Ruby

[321-55-1]



$C_{14}H_{14}Cl_3O_6P$ M 415.594

Veterinary anthelmintic. Cryst. (EtOH). Mp 91°.

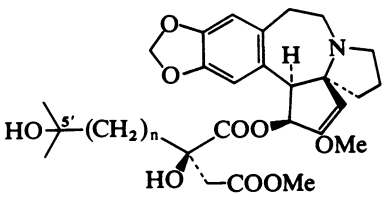
▷GN5250000.

Brown, N.C. *et al*, *Nature* (*London*), 1962, 194, 379
U.S.P., 3 294 636, (*1966*); *CA*, **66**, 85699v (*synth, pharmacol*)
Brody, G. *et al*, *J. Parasitol.*, 1971, **57**, 1068 (*pharmacol*)
Scott, P., *N.Z. Vet. J.*, 1977, **25**, 373 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12815.

Harringtonine H-00022

Cephalotaxine 4-methyl 2-hydroxy-2-(3-hydroxy-3-methylbutyl)butanedioate(ester), 9CI

[26833-85-2]



Absolute configuration

n=2

$C_{28}H_{37}NO_9$ M 531.602

Alkaloid from *Cephalotaxus harringtonia* var. *harringtonia*, *C. fortunei*, *C. hainanensis*, *C. sinensis* and *C. oliveri* (Cephalotaxaceae). Antineoplastic agent. Shows antitumour activity, especially against murine lymphocytic leukaemias. More active than Vincristine against mouse leukaemias and melanomas. Acts as protein and DNA biosynthesis inhibitor. Has been used clinically against acute myelocytic leukaemia. Mp 73-75°. $[\alpha]_D$ −104.6° (c, 1.0 in $CHCl_3$).

▷FK0250000.

5'-Deoxy: [36804-95-2]. ***Deoxyharringtonine***.
$C_{28}H_{37}NO_8$ M 515.602
Alkaloid from *C. harringtonia* var. *harringtonia* and *C. hainanensis* (Cephalotaxaceae). Shows antitumour props. Noncryst. $[\alpha]_D$ −125.4° (c, 1.76 in $CHCl_3$).

5'-Deoxy, parent acid: ***Deoxyharringtonic acid***.
$C_{27}H_{35}NO_8$ M 501.575
Alkaloid from *C. hainanensis* (Cephalotaxaceae). Mp 219-220°.

Homologue (n = 3): [26833-87-4]. ***Homoharringtonine***.
$C_{29}H_{39}NO_9$ M 545.628
Alkaloid from *C. harringtonia* var. *harringtonia*, *C. harringtonia* var. *drupacea*, *C. fortunei*, *C. hainanensis* and *C. sinensis* (Cephalotaxaceae). Shows antitumour activity comparable with that of Harringtonine. Has been used clinically against acute myelocytic leukaemia. Mp 144-146°. $[\alpha]_D$ −119° (c, 0.96 in $CHCl_3$).

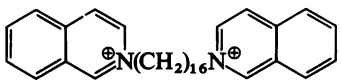
▷FK0260000.

5'-Deoxy, homologue: [64543-63-1].
Homodeoxyharringtonine.
$C_{29}H_{39}NO_8$ M 529.629
Alkaloid detected by glc/ms in callus cultures of *C. harringtonia* (Cephalotaxaceae).

Powell, R.G. *et al*, *Tetrahedron Lett.*, 1970, 815 (*pmr, struct*)
Mikolajczak, K.L. *et al*, *Tetrahedron*, 1972, **28**, 1995 (*uv, ms, pmr, struct*)
Spencer, G.F. *et al*, *J. Chromatogr.*, 1976, **120**, 335 (*ms, glc*)
Delfel, N.E. *et al*, *Phytochemistry*, 1977, **16**, 1595 (*Homodeoxyharringtonine*)
Mikolajczak, K.L. *et al*, *J. Org. Chem.*, 1978, **43**, 4762 (*synth*)
Kelly, T.R. *et al*, *J. Org. Chem.*, 1979, **44**, 63 (*synth*)
Smith, C.R. *et al*, *Med. Chem.* (*Academic*), 1980, **16**, 391 (*rev*)
Weisleder, D. *et al*, *Org. Magn. Reson.*, 1980, **13**, 114 (*cmr*)
Xue, Z. *et al*, *Yaoxue Xuebao*, 1981, **16**, 752; *CA*, **96**, 82690u (*Deoxyharringtonic acid*)
Hiranuma, S. *et al*, *J. Org. Chem.*, 1983, **48**, 5321 (*synth, Homoharringtonine*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19285, 19300.

Hedaquinium(2+) H-00023

Hexadecamethylenebis(2-isoquinolinium)



$C_{34}H_{46}N_2^{\oplus\oplus}$ M 482.751 (ion)

Fungicide.

Dichloride: [4310-89-8]. *Hedaquinium chloride, BAN, INN. Duphacid* T. *Fungifral. Teoquil. Tinevet. BIQ 16.*
$C_{34}H_{46}Cl_2N_2$ M 553.657

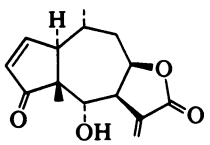
▷NX5600000.

Dibromide:
$C_{34}H_{46}Br_2N_2$ M 642.559
Mp 219-221°.

Collier, H.O.J. *et al*, *Br. J. Pharmacol.*, 1955, **10**, 343; 1958, **13**, 231 (*synth, pharmacol*)
Austin, W.C. *et al*, *J. Chem. Soc.*, 1958, 1489.
Ellis, G.P. *et al*, *J. Pharm. Pharmacol.*, 1964, **16**, 400 (*pharmacol*)

Helenalin H-00024

[6754-13-8]



$C_{15}H_{18}O_4$ M 262.305

Constit. of *Helenium* spp. Has sternutatory and vermifugal props. and is toxic to fish. Antitumour agent. Cryst. (EtOH or C_6H_6). Mp 225-228°. $[\alpha]_D^{25}$ −102.8° ($CHCl_3$).

▷BD9630000.

Ac: [10180-86-6]. *Angustibalin.*
$C_{17}H_{20}O_5$ M 304.342
Constit. of *Balduina angustifolia*. Needles (CH_2Cl_2). Mp 181°. $[\alpha]_D^{25}$ −54° (c, 0.1 in C_6H_6).

(2-Methylpropenoyl):
$C_{19}H_{22}O_5$ M 330.380
Constit. of *Monactis macbridei*. Oil. $[\alpha]_D^{24}$ −42° (c, 0.18 in $CHCl_3$).

11α,13-Dihydro, (2-hydroxymethylacryloyl):
$C_{19}H_{24}O_6$ M 348.395
Constit. of *M. macbridei*. Oil.

11α,13-Dihydro, (2,3-epoxyisobutyroyl):
$C_{19}H_{24}O_6$ M 348.395
Constit. of *M. macbridei*. Oil. $[\alpha]_D^{24}$ −91° (c, 0.1 in $CHCl_3$).

11α,13-Dihydro, tigloyl:
$C_{20}H_{26}O_5$ M 346.422
Constit. of *M. macbridei*. Oil. $[\alpha]_D^{24}$ −94° (c, 0.2 in $CHCl_3$).

11α,13-Dihydro, senecioyl:
$C_{20}H_{26}O_5$ M 346.422
Constit. of *M. macbridei*. Cryst. (Et_2O/pet. ether). Mp 183°. $[\alpha]_D^{24}$ −104° (c, 0.09 in $CHCl_3$).

2β-Hydroxy, 2,3,11α,13-tetrahydro, methacryloyl:
$C_{19}H_{26}O_7$ M 366.410
Constit. of *M. macbridei*. Oil. $[\alpha]_D^{24}$ +2.5° (c, 0.08 in $CHCl_3$).

11α,13-Dihydro, [2-(1-hydroxyethyl)-acryloyl]:
$C_{20}H_{26}O_6$ M 362.422
Constit. of *M. macbridei*. Oil. $[\alpha]_D^{24}$ −47° (c, 0.2 in $CHCl_3$).

8-Epimer: ***8-Epihelenalin***.
$C_{15}H_{18}O_4$ M 262.305
Constit. of *Loxothysanus sinuatus*. Cryst. Mp 179°. $[\alpha]_D^{24}$ −7° (c, 0.84 in $CHCl_3$).

8-Epimer, 6-tigloyl: ***8-Epihelanalin tiglate***.
$C_{20}H_{24}O_5$ M 344.407
From *L. sinuatus*. Oil.

Mazhar-Ul-Haq, *et al*, *J. Chem. Soc.* (*B*), 1969, 956 (*cryst struct*)
Lee, K.-H. *et al*, *J. Pharm. Sci.*, 1972, **61**, 626 (*isol*)
Pettit, G.R., *J. Med. Chem.*, 1974, **17**, 1013 (*pharmacol*)
Ohfune, Y. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 5946 (*synth, bibl*)
Roberts, M.R. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 7626 (*synth*)
Grieco, P.A. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 4233 (*synth*)
Bohlmann, F. *et al*, *Justus Liebigs Ann. Chem.*, 1984, 503 (*derivs*)
Bohlmann, F. *et al*, *Phytochemistry*, 1985, **24**, 1021 (*isol*)

Heneicosafluorotripropylamine H-00025

Perfluorotripropylamine. Tris(heptafluoropropyl)-amine. ***Perfluamine, INN.*** *1,1,2,2,3,3,3-Heptafluoro-N,N-bis(heptafluoropropyl)-1-propanamine, 9CI. FTPA*
[338-83-0]

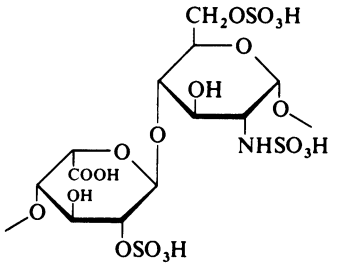
$(F_3CCF_2CF_2)_3N$

$C_9F_{21}N$ M 521.072
Oxygen carrying agent (blood substitute). d 1.822. Bp 129.9°. Component of Fluosol DA.

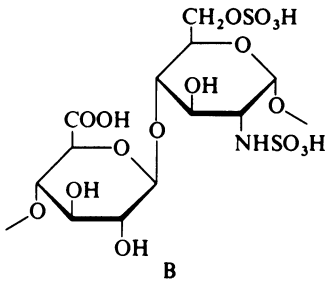
Haszeldine, R.N., *Research.*, 1950, **3**, 430 (*synth*)
Ohyanagi, H. *et al*, *Clin. Ther.*, 1979, **2**, 306 (*use*)
Okamoto, M. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1979, **486**, 247 (*numerous papers*)

Heparin, 9CI, 8CI, BAN, USAN H-00026

Heparinic acid. Numerous proprietary names
[9005-49-6]



A



B

A polymer composed mainly of two disaccharide repeating units A and B. A is L-Iduronic acid 2-sulphate linked α-(1→4) to 2-Deoxy-2-sulphamido-D-glucose 6-sulphate while B is D-Glucuronic acid β-(1→4) linked to 2-Deoxy-2-sulphamido-D-glucose 6-sulphate. MW 5000-15000. Occurs in the blood, skin, aorta, umbilical cord and in most tissues and is supposedly manuf. by the mast cells. Has anticoagulant, thrombolytic and antilipaemic action. $[\alpha]_D$ +44° to +70° (H_2O). Mainly used as Na salt. A variable fraction of the heparin chains are linked to serine or small peptides and contain the specific carbohydrate-protein linkage region (→ GlcUA → Gal → Gal → Xyl → Ser) identical with that found in several other connective tissue polysaccharides. The presence of this linkage region suggests that Heparin is synthesised *in vivo* as a proteoglycan.

▷MI0700000.

Na salt: [9041-08-1]. *Heparin sodium, BAN, USAN, INN. Liquaemin sodium. Hepsal. Monoparin. Uniparin.* $[\alpha]_D^{25}$ +47° (c, 1.5 in H_2O).

Ca salt: [37270-89-6]. *Calciparin. Minihep calcium.*

▷MI0800000.

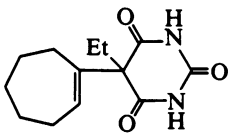
Jeanloz, R.W., *Methods Carbohydr. Chem.*, 1965, **5**, 150 (*synth*)
Wolfrom, M.L. *et al*, *J. Org. Chem.*, 1966, **31**, 1173 (*config*)
Biochem. Prep., 1968, **12**, 12 (*purifn*)
Helting, T. *et al*, *Acta Chem. Scand.*, 1972, **26**, 3515 (*biosynth*)
Perlin, A.S. *et al*, *Can. J. Chem.*, 1972, **50**, 2437 (*cmr*)
Montgomery, R., *Carbohydrates, MTP Int. Rev. Sci.* (*Aspinall, G.O., Ed.*), 1973, University Park Press, USA and Canada, 7, 242 (*rev*)
Lindahl, U. *et al*, *Annu. Rev. Biochem.*, 1978, **47**, 385.
Roden, L., *The Biochemistry of Glycoproteins and Proteoglycans*, (*Lennarz, W.J., Ed.*), 1980, Plenum Press, New York and London, 321 (*rev*)
Meyer, B. *et al*, *Carbohydr. Res.*, 1981, **88**, C1 (*pmr*)
Huckerby, T.N. *et al*, *Carbohydr. Res.*, 1982, **103**, 141 (*pmr*)
Nachtmann, F. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 215 (*rev, pharmacol, metab, anal*)
Witt, I., Ed., *Heparin: New Biochemical and Medical Aspects*, Walter de Gruyter, Berlin, 1983 (*book*)
Cocchetto, D.M. *et al*, *Pharm. Int.*, 1984, **5**, 7 (*rev, pharmacol*)
Engelberg, H., *Pharmacol. Rev.*, 1984, **36**, 91 (*rev, pharmacol*)
Sinay, P. *et al*, *Carbohydr. Res.*, 1984, **132**, C5 (*synth*)

Boettiger, L.E., *Acta Med. Scand.*, 1987, **222**, 195 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7214.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4801, 4802.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1496.

Heptabarbitone, BAN H-00027

5-(1-Cyclohepten-1-yl)-5-ethyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-(1-Cyclohepten-1-yl)-5-ethylbarbituric acid, 8CI. ***Heptabarb, INN.*** *Heptabarbital. Heptadorm. Heptamalum. Medapan. Medomin. Noctyn. G 475*

[509-86-4]



$C_{13}H_{18}N_2O_3$ M 250.297

▷CQ2450000.

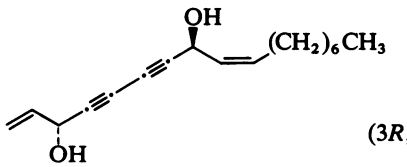
(±)-form

Hypnotic and sedative. Cryst. Mp 174°.

Fr. Pat., 870 714, (*1942*); *CA*, **43**, 5038
Halbeisen, W.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1948, **93**, 101 (*pharmacol, tox*)
U.S.P., 2 501 551, (*1950*); *CA*, **44**, 5906
Tusing, T.W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1956, **107**, 133 (*tox*)
Bideau, J.P. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1969, **268**, 1590 (*cryst struct*)
Gilbert, J.N.T. *et al*, *J. Pharm. Pharmacol.*, 1974, **26**, 123 (*metab*)
Van der Graaff, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1983, **225**, 747.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4038.

1,9-Heptadecadiene-4,6-diyne-3,8-diol, 9CI H-00028

[30779-95-4]



(3R, 8S, 9Z)-form

$C_{17}H_{24}O_2$ M 260.375

(3R,8S,9Z)-form [55297-87-5]

Falcarindiol

Constit. of roots of several plants including the common carrot *Daucus carota*. Has antifungal and analgesic activity.

3-Ac: [22526-53-0].
$C_{19}H_{26}O_3$ M 302.413
Constit. of *D. carota*.

8-Ac: [55249-27-9].
$C_{19}H_{26}O_3$ M 302.413
Constit. of *Centella* spp.

Bentley, R.K. *et al*, *J. Chem. Soc. (C)*, 1969, 685 (*isol, ir, uv, pmr*)
Garrod, B. *et al*, *Physiol. Plant Pathol.*, 1978, **13**, 241 (*ir, uv, pmr, ms*)
Kemp, M.S., *Phytochemistry*, 1978, **17**, 1002 (*isol, props*)
Garrod, B. *et al*, *New Phytol.*, 1979, **83**, 463 (*props*)
Lemmich, E., *Phytochemistry*, 1981, **20**, 1419 (*abs config*)

Heptaminol, BAN, INN H-00029

6-Amino-2-methyl-2-heptanol, 9CI. Numerous proprietary names

[372-66-7]

$(H_3C)_2C(OH)CH_2CH_2CH_2CH(NH_2)CH_3$

$C_8H_{19}NO$ M 145.244

(±)-form

Coronary vasodilator. Bp_7 99-105°.

B,HCl: [543-15-7]. *Heptamyl. Heptylon.* Mp 150°, 178-180°.

▷MJ3240000.

Oxalate: Mp 126-128°.

5'-Adenylate salt (1:1): [57249-13-5]. *Ampecyclal.* Vasodilator.

(4-Chlorophenoxy)acetate (1:1): [17781-20-3]. *Clofaminol.* Antitussive. Mp 106-108°.

7-Theophyllineacetate (1:1): [59989-20-7]. *Heptaminol acefyllinate. Cariamyl. Corophylline. Funesil. Theo-Heptylon. MD 6260.*

Doeuvre, J. *et al*, *Compt. Rend.*, 1947, **224**, 286 (*synth*)
Loubatieres, A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1951, **85**, 333 (*pharmacol*)
Marsh, D.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1951, **103**, 178 (*pharmacol*)
Japan. Pat., 21 308, (*1958*); *CA*, **57**, 13611i (*synth*)
Duchene-Marullaz, P. *et al*, *Therapie*, 1968, **23**, 383 (*salts, pharmacol*)
Ger. Pats., 2 504 331, (*1975*), 2 504 546, (*1976*); *CA*, **83**, 209410; **85**, 149135 (*salts, pharmacol*)
Chanoine, F. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1430 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1050 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 636, 12819.

2-Heptanamine, 9CI H-00030

2-Aminoheptane. 1-Methylhexylamine. ***Tuaminoheptane, BAN, INN.*** *Heptin. Heptadrine. Tuamine. Other proprietary names*

[123-82-0]

$H_3C(CH_2)_4CH(NH_2)CH_3$

$C_7H_{17}N$ M 115.218

▷MQ5425000.

(R)-form [6240-90-0]

B,HCl: [101689-06-9]. Mp 93-94°. $[\alpha]_D^{24}$ +7.14° (c, 6.5 in EtOH).

(±)-form

Vasoconstrictor and sympathomimetic agent. Sol. EtOH, Et_2O, spar. sol. H_2O. Bp 142°. Used as sulfate.

B,HCl: Needles. Mp 81-83° (133°).

2B,H_2SO_4: [6411-75-2]. Mp 230-240°.

▷MQ5600000.

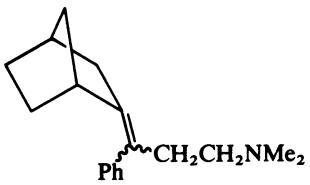
Dunker, M.F.W. *et al*, *J. Am. Pharm. Assoc.*, 1941, **30**, 619, 623.
Org. Synth., 1943, **23**, 68 (*synth*)
Ahlquist, R.P., *J. Pharmacol.*, 1944, **81**, 235 (*pharmacol*)
Rohrmann, E. *et al*, *J. Am. Chem. Soc.*, 1944, **66**, 1516 (*synth, use*)
Lehmann, G. *et al*, *J. Pharmacol. Exp. Ther.*, 1948, **93**, 115 (*pharmacol*)
Eggert, H. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 3710 (*cmr*)
Raban, M. *et al*, *Tetrahedron Lett.*, 1984, **25**, 3419 (*abs config*)
Braconnier, M.F. *et al*, *Bull. Soc. Chim. Belg.*, 1985, **94**, 605 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 797.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2111.

Heptaverine, INN **H-00031**

*γ-Bicyclo[2.2.1]hept-2-ylidene-*N,N*-dimethylbenzenepropanamine, 9CI.* N,N*-Dimethyl-γ-phenyl-*$\Delta^{2,\gamma}$*-norbornanepropylamine*

[54063-48-8]



$C_{18}H_{25}N$ M 255.402

Spasmolytic agent. $Bp_{5\text{-}6}$ 159-164°.

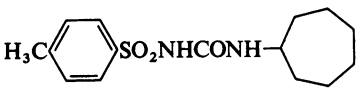
B,HCl: Cryst. (EtOH/Et_2O). Mp 205-206°.

Belg. Pat., 633 362, (*1963*); *CA*, **61**, 2989 (*synth, pharmacol*)

Heptolamide, INN **H-00032**

N-[(*Cycloheptylamino)carbonyl*]*-4-methylbenzenesulfonamide, 9CI. 1-Cycloheptyl-3-*(p-*tolylsulfonyl)urea, 8CI. Cycloheptolamide. Orabeta. U 14462*

[1034-82-8]



$C_{15}H_{22}N_2O_3S$ M 310.410

Hypoglycaemic agent, antidiabetic. Cryst. (MeOH). Mp 155-157°.

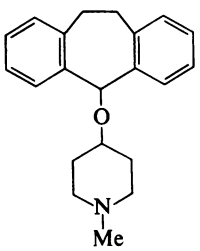
Aumueller, W. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **655**, 36 (*synth, ir*)

Boshell, B.R. *et al*, *Clin. Pharmacol. Ther.*, 1962, **3**, 750 (*pharmacol*)

Hepzidine, INN **H-00033**

*4-(10,11-Dihydro-5*H*-dibenzo*[a,d]*cyclohepten-5-yloxy)-1-methylpiperidine, 9CI, 8CI*

[1096-72-6]



$C_{21}H_{25}NO$ M 307.435

Antidepressant. $Bp_{0.01}$ 158-168°.

Maleate (1:1): [1057-81-4]. *BS 7051.* Mp 153-156°.

▷TM7175000.

van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1342 (*synth, pharmacol*)

Doorenbos, H.J. *et al*, *Pharm. Weekbl.*, 1967, **102**, 137 (*uv, ir*)

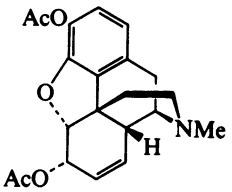
Funcke, A.B.H. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **167**, 334 (*tox, pharmacol*)

Hespe, W. *et al*, *Biochem. Pharmacol.*, 1968, **17**, 655 (*metab*)

Heroin **H-00034**

7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol diacetate, 9CI. Diacetylmorphine. Diamorphine. Acetomorphin. Diacephin. Diaphorin. Morphine diacetate. Other synonyms

[561-27-3]



Absolute configuration

$C_{21}H_{23}NO_5$ M 369.416

Obt. by acetylation of natural Morphine. Powerful narcotic, formerly widespread as painkiller but now used only in cases of terminal illness and illicitly as drug of abuse. Prisms (EtOAc), cryst. (MeOH). Mp 173°. Bp_{12} 272-274°. $[\alpha]_D^{15}$ −166° (MeOH).

▷Toxic, habit-forming. QC8050000.

B,HCl: [1502-95-0]. Prisms. Sol. H_2O, EtOH. Mp 231-232° dec. $[\alpha]_D^{20}$ −153° (c, 1.17 in H_2O).

▷QC8225000.

Knorr, L. *et al*, *Ber.*, 1909, **42**, 3511 (*synth*)

De Angelis, G.G. *et al*, *Tetrahedron*, 1969, **25**, 5099 (*ord*)

Fales, H.M. *et al*, *Arch. Mass. Spectral Data*, 1971, **2**, 608 (*ms*)

Boerner, U. *et al*, *Drug. Metab. Rev.*, 1975, **4**, 39 (*metab*)

Carroll, F.I. *et al*, *J. Org. Chem.*, 1976, **41**, 996 (*cmr*)

Wyatt, D.K. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 357 (*rev, props, synth, metab*)

Neville, G.A. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 31 (*pmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6219.

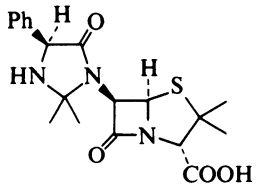
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6102.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1504.

Hetacillin, BAN, USAN, INN **H-00035**

6-(2,2-Dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-penicillanic acid. Phenazacillin. Versapen. Versatrex. BRL 804. Antibiotic BRL 804. Numerous proprietary names

[3511-16-8]



$C_{19}H_{23}N_3O_4S$ M 389.468

Semisynthetic penicillin (acetone adduct of Ampicillin). Orally absorbed antibiotic. Cryst. (5-Methyl-2-hexanone aq.). Sol. DMF, DMSO. Mp 182.8-183.9° dec. $[\alpha]_D^{25}$ +366° (c, 1.0 in Py).

K salt: [5321-32-4]. *Hetacillin potassium, USAN, JAN. Uropen.*

Me ester: Cryst. (CCl_4). Mp 101.5-102°.

Methoxymethyl ester: [40966-79-8]. ***Sarpicillin, INN, USAN. BL-P 1761. Antibiotic BL-P 1761.***

$C_{21}H_{27}N_3O_5S$ M 433.521

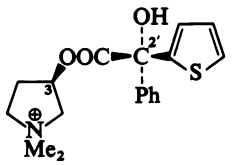
Semisynthetic clinically used antibiotic against *Haemophilus influenzae*. Prodrug for Ampicillin giving CNS penetration.

Hardcastle, G. *et al*, *J. Org. Chem.*, 1966, **31**, 897 (*synth, cryst struct*)

Kirby, W.M.M. *et al*, *Ann. N.Y. Acad. Sci.*, 1967, **145**, 291 (*pharmacol*)
Ueda, Y. *et al*, *J. Antibiot. Ser. B*, 1967, **20**, 206 (*pharmacol*)
Johnson, D. *et al*, *Tetrahedron Lett.*, 1968, 1903.
U.S.P., 3 996 236, (*1976*); *CA*, **86**, 155640 (*Sarpicillin*)
Ferres, H., *Chem. Ind.* (*London*), 1980, 435
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5339 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 92, 183.

Heteronium(1+) H-00036

3-[(Hydroxyphenyl-2-thienylacetyl)oxy]-1,1-dimethylpyrrolidinium, *9CI*



(*3RS,2'RS*)-*form*
Relative configuration

$C_{18}H_{22}NO_3S^{\oplus}$ M 332.437 (ion)
Anticholinergic drug.

Bromide: [7247-57-6]. *Heteronium bromide*, *INN*, *BAN*. *Lilly 31814*.
$C_{18}H_{22}BrNO_3S$ M 412.341
Powder. Consists of a mixt. of diastereoisomers, separable by fract. crystallisation.

▷UY4550000.

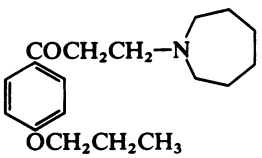
(*3RS,2'RS*)-*form*
α-form
Bromide: [56452-51-8]. Cryst. (MeOH/EtOAc). Mp 210-211°.

(*3RS,2'SR*)-*form*
β-form
Bromide: Cryst. (MeOH/EtOAc). Mp 182-184°.

Ryan, C.W. *et al*, *J. Org. Chem.*, 1962, **27**, 2901 (*synth, pharmacol*)
U.S.P., 3 138 614, (*1964*); *CA*, **61**, 9468d (*synth*)
Coughenour, K.N. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1229 (*cryst struct*)
Traversa, U. *et al*, *CA*, 1976, **85**, 116533k (*pharmacol*)

Hexacaine H-00037

3-(Hexahydro-1H-azepin-1-yl)-1-(4-propoxyphenyl)-1-propanone, *9CI*. *β-(N-Hexamethylenimino)-p-propoxypropiophenone*
[16689-12-6]



$C_{18}H_{27}NO_2$ M 289.417
Antiarrhythmic agent.

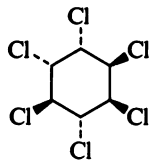
▷UH1856000.

B,HCl: [3670-67-5]. *TG 16*. Mp 158-159°.
Picrate: [18075-32-6]. Mp 143-145°.

Profft, E. *et al*, *Pharmazie*, 1967, **22**, 635 (*synth, pharmacol*)
Kudrin, A.N. *et al*, *Khim.-Farm. Zh.*, 1978, **12**, 77 (*pharmacol*)

1,2,3,4,5,6-Hexachlorocyclohexane, 9CI H-00038

Benzene hexachloride
[608-73-1]



α-form
Relative configuration

$C_6H_6Cl_6$ M 290.831
Seven stereoisomers known, one which has been resolved.

▷Exp. carcinogen. GV4950000.

(+)-*α-form*
(aaeeee)-*form. 1,2,4/3,5,6-form*
Mp 128-132°. $[\alpha]_D$ >120° (Me_2CO).

(±)-*α-form* [319-84-6]
Mp 158° (153-154°).

▷GV3500000.

(*β*)-*form* [319-85-7]
(eeeeee)-*form. 1,3,5/2,4,6-form*. all-trans-*form*
Mp 297°, 312°.

▷GV4375000.

γ-*form* [58-89-9]
(aaaeee)-*form. 1,3,4/2,5,6-form. Gamma benzene hexachloride*, *BAN. Gammexane.* ***Lindane***, *USAN, INN,* ***BAN****. Gamma-BHC. Lorexane. Quellada*
Powerful insecticide, pediculicide, scabicide. Mp 112.5°. Component of Kwell.

▷GV4900000.

δ-*form* [319-86-8]
(aeeeee)-*form. 1,2,3,5/4,6-form*
Mp 129-132°.

▷Toxic, TLV 0.5. Violent reacn. with DMF and Fe. GV4550000.

ε-*form* [6108-10-7]
(aeeaee)-*form. 1,2,3/4,5,6-form*
Mp 219°.

η-*form* [6108-12-9]
Mp 89.8-90.6°.

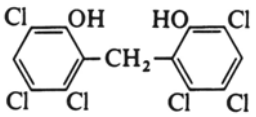
θ-*form* [6108-11-8]
Mp 124-125°.

Cristol, S.J., *J. Am. Chem. Soc.*, 1949, **71**, 1894 (*resoln*)
Kolka, A.J. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3940 (*synth*)
Rodd's Chemistry of Carbon Compounds, 2nd Ed., 1968, Vol. IIB, 36 (*rev*)
Visweswariah, K. *et al*, *Chem. Ind.* (*London*), 1969, 379 (*synth*)
Hayamizu, K. *et al*, *Tetrahedron*, 1972, **28**, 779 (*pmr*)
Smith, G. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1976, 614 (*cryst struct*)
Colson, J.G., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1979, **5**, 808 (*rev*)
Engst, R. *et al*, *Residue Rev.*, 1979, **72**, 71 (*rev, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3587.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 407.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 581.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 345.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 366.

2,2',3,3',5,5'-Hexachloro-6,6'-dihydroxydiphenylmethane H-00039

*2,2'-Methylenebis[3,4,6-trichlorophenol], 9CI, 8CI. **Hexachlorophane, BAN**. Hexachlorophene, INN. Derl. Gramophen. Phisohex. Skrub kreme. Numerous proprietary names*

[70-30-4]



$C_{13}H_6Cl_6O_2$ M 406.907

Skin disinfectant, anthelmintic (veterinary). Mp 164-165°.

▷Neurotoxic. SM0700000.

Monophosphate: [3046-99-9]. *Hexachlorophene monophosphate. Hepadist. Ph 1503.*
$C_{13}H_7Cl_6O_5P$ M 486.887

B.P., 760 342, (*1956*); *CA*, **51**, 12140i (*synth*)
U.S.P., 2 812 365, (*1957*); *CA*, **52**, 5473
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Netherlands Pat., 283 922, (*1965*); *CA*, **63**, 9869 (*deriv*)
Dietrich, M.W. *et al*, *J. Am. Oil Chem. Soc.*, 1967, **44**, 491 (*nmr*)
Czech. Pat., 134 656, (*1969*); *CA*, **75**, 5481r (*synth*)
Kimbrough, R., *Clin. Toxicol.*, 1976, **9**, 969 (*pharmacol, tox*)
Freundt, K.J. *et al*, *Dtsch. Apoth.-Ztg.*, 1983, **123**, 41 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2615 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2250.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 819.

Hexachloroethane, 9CI H-00040

Perchloroethane

[67-72-1]

Cl_3CCCl_3

C_2Cl_6 M 236.740

Anthelmintic. Rhombohedra (EtOH/Et_2O). Bp 186.8° (triple point). Exists in 3 polymorphic forms.

▷Toxic, TLV (skin) 10. KI4025000.

Mkryan, G.M. *et al*, *CA*, 1943, **37**, 5694 (*synth*)
Calvez, Y. *et al*, *Helv. Chim. Acta*, 1974, **57**, 1433 (*synth*)
Hohlwein, D. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 2975; *Acta Crystallogr., Sect. A*, 1981, **37**, 904 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 780.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 345.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1507.

Hexachlorxylol H-00041

1,4-Bis(trichloromethyl)benzene, 9CI. α,α,α,α',α',α'-Hexachloro-p-xylene, 8CI. Bitriben. Chloxyl. Getol. Hetol Hoechst. Khloksil. WR 17206

[68-36-0]



$C_8H_4Cl_6$ M 312.838

Fasciolicide, antimalarial agent. Cryst. (hexane). Mp 108-110°.

▷ZE4655000.

Ross, S.D. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 4967 (*synth*)
Aviado, D.M. *et al*, *Exp. Parasitol.*, 1969, **25**, 283 (*pharmacol*)
Elslager, E.F. *et al*, *J. Med. Chem.*, 1970, **13**, 542 (*activity*)
Genther, C.S. *et al*, *J. Med. Chem.*, 1977, **20**, 237 (*activity*)

Hexadecylamine H-00042

1-Hexadecanamine, 9CI. 1-Aminohexadecane. Cetylamine

[143-27-1]

$H_3C(CH_2)_{14}CH_2NH_2$

$C_{16}H_{35}N$ M 241.459

Mp 46.2°. $Bp_{5.2}$ 162-165°.

▷ML9100000.

B,HF: [3151-59-5]. ***Hetaflur, BAN, USAN, INN**. GA 242. SKF 2208*. Dental caries prophylactic.

▷MM1120200.

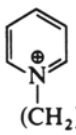
B,HCl: Mp 178°.

N-Di-Me: Bp_2 135-136°.

Koyama, T. *et al*, *Kumamoto Pharm. Bull.*, 1954, 52; *CA*, **50**, 3207 (*synth*)
Zvejnieks, A., *Sven. Kem. Tidskr.*, 1954, **66**, 316 (*synth*)
Oktawiec, M., *CA*, 1959, **53**, 14920 (*synth*)
Gohlke, R.S. *et al*, *Anal. Chem.*, 1962, **34**, 1281 (*ms*)
Markley, K.S., *Fatty Acids*, Interscience, N.Y., 2nd Ed., 1654 (*synth*)
Goto, R. *et al*, *Nippon Kagaku Zaishi*, 1966, **87**, 1220 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12551.

Hexadecylpyridinium(1+) H-00043

Cetylpyridinium. Other proprietary names



$C_{21}H_{38}N^{\oplus}$ M 304.538 (ion)

Surface active agent with bactericidal properties; used in throat pastilles etc.

Chloride: [123-03-5]. *Cetylpyridinium chloride, BAN, INN. Merocet. Ceepryn. Cepacol.*
$C_{21}H_{38}ClN$ M 339.991
Sol. H_2O. Mp 87-88°. Monohydrate, Mp 77-83°.

▷UU4900000.

Bromide: [140-72-7].
$C_{21}H_{38}BrN$ M 384.442
Sol. H_2O. Mp 61-62°.

Iodide: [2349-55-5].
$C_{21}H_{38}IN$ M 431.442
Mp 101°.

Warren, M.R. *et al*, *J. Pharm. Pharmacol.*, 1942, **74**, 401 (*pharmacol, tox*)
Huyck, C.L. *et al*, *Am. J. Pharm.*, 1944, **116**, 50 (*rev*)
Adam, N.K. *et al*, *Trans. Faraday Soc.*, 1946, **42**, 523 (*synth*)
Chumakov, Y.I. *et al*, *CA*, 1966, **64**, 19549d (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6403 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2217.

Hexadecyltrimethylammonium(1+), 8CI H-00044

N,N,N-Trimethyl-1-hexadecanaminium, 9CI. Cetyltrimethylammonium. Cetrimonium

[6899-10-1]

$H_3C(CH_2)_{15}{}^{\oplus}NMe_3$

$C_{19}H_{42}N^{\oplus}$ M 284.548 (ion)
Topical antiseptic, surfactant. Reagent for isol. and purifn. of acidic polysaccharides and sulphonated carbohydrates.

Chloride: [57-09-0]. *Cetrimonium chloride, BAN.*
$C_{19}H_{42}ClN$ M 320.001
▷BQ7875000.

Bromide: [57-09-0]. *Cetrimonium bromide, INN. Cetrimide. Cetab. Other synonyms.*
$C_{19}H_{42}BrN$ M 364.452
Sol. H_2O, EtOH, insol. C_6H_6, Et_2O. Mp 237-243°.
▷Toxic, exp. teratogen. Emits highly toxic fumes when heated. BQ7875000.

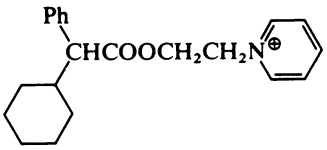
Pentachlorophenolate: [87-76-3]. *TCAP. T.S.P.*. Topical antiseptic, fungicide.

p-*Toluenesulfonate:* [138-32-9]. *Cetrimonium tosilate. Intol.*

Borisova, N.N. *et al, Zh. Prikl. Khim.* (*Leningrad*), 1967, **40**, 2838 (*synth, pharmacol*)
Uno, T. *et al, Spectrochim. Acta, Part A*, 1968, **24**, 1749 (*ir*)
Chojnacki, J. *et al, Rocz. Chem.*, 1971, **45**, 1997 (*cryst struct*)
LoSurdo, A. *et al, J. Phys. Chem.*, 1972, **76**, 130 (*pmr*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 121.
Kalyanasundaram, K. *et al, J. Phys. Chem.*, 1976, **80**, 1462 (*conformn*)
Isomaa, B. *et al, Acta Pharmacol. Toxicol.*, 1980, **47**, 17 (*pharmacol, toxicity*)
Ohashi, M. *et al, Chem. Pharm. Bull.*, 1985, **33**, 2499 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2216.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5535.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1511.

Hexadiphenium(1+) H-00045

1-[2-[(Cyclohexylphenylacetyl)oxy]ethyl]pyridinium, 9CI. Hexadifenium

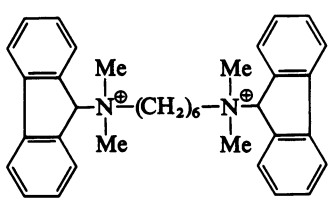


$C_{21}H_{26}NO_2^{\oplus}$ M 324.442 (ion)
(±)-*form*
Antispasmodic agent.
Bromide: Hexadiphenium bromide.
$C_{21}H_{26}BrNO_2$ M 404.346
Mp 103-105°.

Protiva, M. *et al, Cesk. Farm.*, 1957, **6**, 425 (*synth, pharmacol*)

Hexafluorenium(2+) H-00046

N,N′-*Di*-9H-*fluoren*-9-*yl*-N,N,N′,N′-*tetramethyl*-1,6-*hexanediaminium, 9CI. Hexamethylenebis[fluoren*-9-*yldimethyl]ammonium, 8CI. Hexafluronium*
[4844-10-4]



$C_{36}H_{42}N_2^{\oplus\oplus}$ M 502.741 (ion)
Skeletal muscle relaxant, succinylcholine synergist.

Dibromide: [317-52-2]. *Hexafluorenium bromide, USAN. Hexafluoronium bromide, INN. Mylaxen. Myorelax. IN 117. NSC 19477. Laxmus.*
$C_{36}H_{42}Br_2N_2$ M 662.549
Cryst. (propanol). Mp 188-189°.
▷BQ8225000.

Cavallito, C.J. *et al, J. Am. Chem. Soc.*, 1954, **76**, 1862.
Meijer, D.K.F. *et al, Eur. J. Pharmacol.*, 1971, **14**, 280 (*metab*)
Scaf, A.H.J., *Eur. J. Pharmacol.*, 1971, **15**, 355 (*pharmacol*)
Chen, W.-S. *et al, J. Med. Chem.*, 1977, **20**, 1617 (*synth, pharmacol*)
Scaf, A.H.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1977, **225**, 196 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5721.

1,1,1,3,3,3-Hexafluoro-2-(fluoromethoxy)-propane, 9CI H-00047

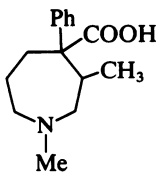
Fluoromethyl 2,2,2-trifluoro-1-(trifluoromethyl)ethyl ether, 8CI. Sevoflurane, USAN, INN. BAX 3084
[28523-86-6]

$(F_3C)_2CHOCH_2F$

$C_4H_3F_7O$ M 200.056
Inhalatory anaesthetic. d_4^{23} 1.505. Bp_{751} 58.1-58.2°.

U.S.P., 3 683 092, (*1972*); *CA*, **77**, 156346 (*synth, pharmacol*)
Halsey, M.J., *Br. J. Anaesth.*, 1981, **53**(Suppl. 1), 43 (*rev*)
Holaday, D.A. *et al, Anaesthesiology*, 1981, **54**, 100 (*metab, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13234.

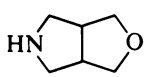
Hexahydro-1,3-dimethyl-4-phenyl-1*H*-azepine-4-carboxylic acid, 9CI H-00048



$C_{15}H_{21}NO_2$ M 247.336
Et ester: [509-84-2]. ***Methethoheptazine, INN.*** *Wy 535.*
$C_{17}H_{25}NO_2$ M 275.390
Narcotic analgesic. $d_{23.5}$ 1.045. $Bp_{0.25}$ 119-121°. $n_D^{23.5}$ 1.5202.
Et ester; B,HCl: Mp 197-199° dec.

U.S.P., 2 740 777, (*1956*); *CA*, **50**, 15599d (*synth*)
Baum, T., *Arch. Int. Pharmacodyn.*, 1965, **153**, 13 (*pharmacol*)
Walkenstein, S.S. *et al, Biochem. Pharmacol.*, 1965, **14**, 121 (*metab*)
U.S.P., 3 316 244, (*1967*); *CA*, **68**, 5954h (*synth*)

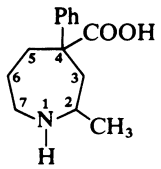
Hexahydro-1*H*-furo[3,4-*c*]pyrrole, 9CI H-00049



$C_6H_{11}NO$ M 113.159
Liq. Bp 182-188°.
N-*Benzoyl:* [56391-55-0]. ***Octazamide, USAN, INN.*** *ICI 45457. ICI-US 457.*
$C_{13}H_{15}NO_2$ M 217.267
Analgesic, antiinflammatory agent. Cryst. (Et_2O). Mp 47-48°.

U.S.P., 3 975 532, (*1976*); *CA*, **85**, 177393m (*synth, pharmacol*)

Hexahydro-2-methyl-4-phenyl-4-azepine-carboxylic acid H-00050



$C_{14}H_{19}NO_2$ M 233.310

N-*Me, Me ester:* [469-78-3]. ***Metheptazine, INN***. *Wy-682.*

$C_{16}H_{23}NO_2$ M 261.363

Analgesic. $Bp_{0.3}$ 122-126°.

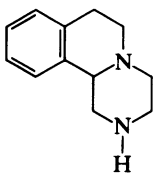
N-*Me, Me ester; B,HCl:* Mp 179-181°.

B.P., 843 924, (*1960*); *CA*, **55**, 2705a (*synth, pharmacol*)

1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, 9CI H-00051

Azaquinzole, INN

[5234-86-6]



$C_{12}H_{16}N_2$ M 188.272

(***R*)-form** [99780-88-8]

$[\alpha]_D^{21}$ −140.3° (c, 0.56 in Py).

(±)-form

CNS depressant. $Bp_{0.01}$ 98-100°.

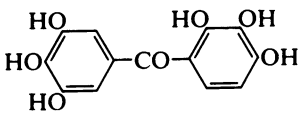
B,2HCl: Mp 320°.

Belg. Pat., 659 249, (*1965*); *CA*, **64**, 2107e (*synth, pharmacol*)
Ripperger, H. *et al*, *Chem. Ber.*, 1967, **100**, 1383 (*cd*)
Blaschke, G. *et al*, *Chem. Ber.*, 1985, **118**, 4620 (*isomers, cd, pmr*)

2,3,3',4,4',5'-Hexahydroxybenzophenone, 8CI H-00052

(*2,3,4-Trihydroxyphenyl*)(*3,4,5-trihydroxyphenyl*)-*methanone*, 9CI. *4-Galloylpyrogallol.* ***Exifone, INN***

[52479-85-3]



$C_{13}H_{10}O_7$ M 278.218

Antithrombotic, platelet aggregation inhibitor. Yellowish needles (H_2O). Mp 272-273°.

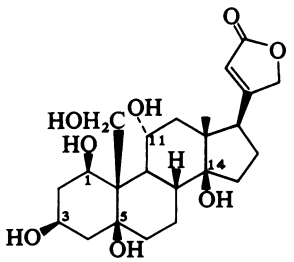
Hexa-Ac:

$C_{25}H_{22}O_{13}$ M 530.441

Mp 132°.

Bleuler, H. *et al*, *J. Chem. Soc.*, 1916, **109**, 529 (*synth*)
Ger. Pat., 2 501 443, (*1975*); *CA*, **83**, 188522n (*synth, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3929.

1,3,5,11,14,19-Hexahydroxy-20(22)-cardenolide H-00053



$C_{23}H_{34}O_8$ M 438.517

(***1β,3β,5β,11α,14β*)-form** [508-52-1]

g-*Strophanthidin. Oubagenin*

Cryst. + H_2O (H_2O). Mp 235-238°. $[\alpha]_D^{17}$ +11.3° (c, 1.3 in H_2O).

▷FH5100000.

3-(6-Deoxy-L-taloside): [6251-64-5]. *Acolongifloroside K.*

$C_{40}H_{54}O_{12}$ M 726.859

Constit. of *Acocanthera longiflora* and *A. friesiorum.* Cryst. (Me_2CO aq.). Mp 224-232°. $[\alpha]_D^{23}$ −53.2° (c, 1 in MeOH).

▷FH4919000.

3-Rhamnoside: [630-60-4]. ***Ouabain, BAN***. *Acocantherin.* g-*Strophanthin.* g-*Strophanthoside. Numerous proprietary names.*

$C_{29}H_{44}O_{12}$ M 584.659

Constit. of *A. oubaio* and *Strophanthus gratus.* Cardiotonic. Cryst. (H_2O). Mp 190°. $[\alpha]_D$ −31° (c, 1 in MeOH).

▷RN3675000.

3-O-Digitoxoside, 3',4'-dinitrate: [51943-33-0]. ***Helveticosol 3',4'-dinitrate***.

$C_{29}H_{42}N_2O_{13}$ M 626.656

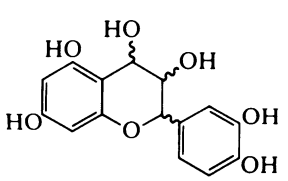
Cardiotonic.

Reichstein, T. *et al*, *Annu. Rev. Biochem.*, 1946, **15**, 155 (*rev*)
Fieser, L.F. *et al*, *Steroids*, Chapman & Hall, London, 1959, 768, 772 (*book*)
Volpp, G. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1418 (*struct*)
Hauschild-Rugat, P. *et al*, *Helv. Chim. Acta*, 1967, **50**, 2299 (*isol*)
Haustein, K.O. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1979, **239**, 270 (*Helveticosol, dinitrate*)
Vine, J. *et al*, *Biomed. Mass Spectrom.*, 1979, **6**, 415 (*ms*)
Brown, L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 1779 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7824.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5823.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2097.

3,3',4,4',5,7-Hexahydroxyflavan H-00054

*2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2*H*-1-benzopyran-3,4,5,7-tetrol*, 9CI. *3,3',4,4',5,7-Flavanhexol*, 8CI. ***Leucocianidol, INN***. *Leucocyanidol. Pygnoforton. Pyknogenol*

[480-17-1]



$C_{15}H_{14}O_7$ M 306.271

From leuco precursor of flavonoids *Gossypium* spp. Antihaemorrhagic, vitamin P factor. Mp >355° (hydrate).

Hexa-Ac: [15885-46-8].
$C_{27}H_{26}O_{13}$ M 558.495
Mp 142-144°.

Stephens, R.M., *Arch. Biochem. Biophys.*, 1948, **18**, 449 (*isol*)
Bauer, L. *et al*, *Chem. Ind. (London)*, 1954, 433 (*synth*)
Claveau, P. *et al*, *Can. J. Pharm. Sci.*, 1966, **1**, 74 (*bibl, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12894.

Hexamethonium(2+) H-00055

N,N,N,N′,N′,N′-*Hexamethyl-1,6-hexanediaminium*, *9CI. Hexamethylenebis(trimethylammonium)*, *8CI. Numerous proprietary names*

[60-26-4]

$$Me_3N^{\oplus}(CH_2)_6N^{\oplus}Me_3$$

$C_{12}H_{30}N_2^{\oplus\oplus}$ M 202.382 (ion)
Ganglion blocking agent for treatment of hypertension.
▷BQ8385000.

Dibromide: [55-97-0]. *Hexamethonium bromide, BAN, INN. Vegolysen. Bistrium bromide.*
$C_{12}H_{30}Br_2N_2$ M 362.190
Cryst. Sol. H_2O. Mp 274-276°.
▷BQ8575000.

Dichloride: [60-25-3]. *Depressin.*
$C_{12}H_{30}Cl_2N_2$ M 273.288
Hygroscopic cryst. Sol. H_2O, insol. $CHCl_3$, Et_2O. Mp 289-292° dec.
▷BQ8650000.

Diiodide: [870-62-2]. *Hexamethonium iodide, BAN. Hexathide.*
$C_{12}H_{30}I_2N_2$ M 456.191
▷BQ8750000.

Tartrate, hydrate: [815-76-9]. *Hexamethonium tartrate, BAN. Vegolysen* T.
$C_{20}H_{40}N_2O_{12}$ M 500.542
Fine needles. Mp 186° dec.

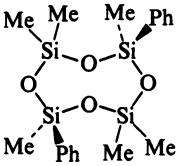
Bis(benzenesulfonate): [971-60-8]. *Benzohexonium. Hexabenzate. Hexonium* B.
$C_{24}H_{40}N_2O_6S_2$ M 516.710
▷BQ8500000.

Dinicotinate: [4845-30-1]. *Hexonat. Nicohexonium.*
$C_{24}H_{38}N_4O_4$ M 446.589

Barber, H.J. *et al*, *J. Pharm. Pharmacol.*, 1951, **3**, 663 (*synth, pharmacol*)
Wien, R. *et al*, *Br. J. Pharmacol.*, 1951, **6**, 611 (*pharmacol*)
Paton, W.D.M. *et al*, *Pharmacol. Rev.*, 1952, **4**, 219 (*rev*)
Biel, J.H. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4614 (*synth*)
Tchapla, A. *et al*, *Tetrahedron*, 1982, **38**, 2147 (*conformn*)
Boura, A.L.A. *et al*, *Discoveries Pharmacol.*, 1984, **2**, 73 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2610.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 872, 873, 874, 875, 876.

2,2,4,6,6,8-Hexamethyl-4,8-diphenylcyclotetrasiloxane, 9CI H-00056

[33204-76-1]



$C_{18}H_{28}O_4Si_4$ M 420.759
▷GZ4390000.

cis-form

Quadrosilan, INN. *Cisobitan. KABI 1774*
Antigonadotropic agent, prostatic cancer treatment. Mp 41°.

trans-form

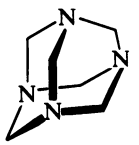
Mp 55°.

U.S.P., 3 652 628, (*1972*); *CA*, **75**, 49315u (*synth*)
Carlstrom, D. *et al*, *Acta Chem. Scand.*, 1973, **27**, 1203 (*cryst struct*)
Albanus, L. *et al*, *Acta Pharmacol. Toxicol.*, 1975, **36**, 93 (*tox, pharmacol*)
Hammar, C.G. *et al*, *Acta Pharmacol. Toxicol.*, 1975, **36**, 33 (*anal*)
Schmiterlow, C.G. *et al*, *Acta Pharmacol. Toxicol.*, 1975, **36**, 131 (*metab*)
Spielvogel, D.E. *et al*, *Acta Pharmacol. Toxicol.*, 1975, **36**, 25 (*props, ms, ir, uv, nmr*)
U.S.P., 3 975 521, (*1976*); *CA*, **85**, 130538x (*pharmacol*)

Hexamethylenetetramine, 8CI H-00057

1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane, 9CI. ***Methenamine, INN.*** *Aminoform. Formamine. Formin. Hexamine. Metenamine. Urotropin. Numerous proprietary names*

[100-97-0]



$C_6H_{12}N_4$ M 140.188
Uses include steel corrosion inhibitor, stabiliser for oils, urinary antiseptic, rubber vulcanisation accelerator and reagent for gold and mercury. Reagent used in the Delepine, Sommelet and Duff reactions. Volatile, rhombohedral cryst. (EtOH). Sol. H_2O, less sol. warm H_2O. Subl. *in vacuo* at ca. 263° with some dec.
▷MN4725000.

Picrate: Mp 179° dec.
B,HI: Mp 170-171°.
B,H_2SO_4,H_2O: Mp 108°.
B,MeI: Needles (EtOH). Sol. H_2O, insol. $CHCl_3$, Et_2O. Mp 190°, 204° dec.
Anhydromethylenecitrate (1:1): [6190-43-8]. *Citrohexamine. Hexacitramine. Helmitol. Uropurgol. Other proprietary names.* Mp ca. 175° dec.
Camphorate (2:1): [630-55-7]. *Hexacamphamine. Other proprietary names.*
Hippurate (1:1): [5714-73-8]. *Hexamine hippurate, BAN. Methenamine hippurate, USAN, JAN. Hiprex.* Mp 105-110°.
Mandelate (1:1): [587-23-5]. *Hexamethylenamine mandelate. Mandelamine. Methenamine mandelate, USAN. Other proprietary names.* Mp 128-130°.
Sulfosalicylate (1:1): [20480-93-7]. *Hexal. Hexalet. Sulfhexet. Uropuret.* Cryst. + $1H_2O$. Mp ca. 190° dec.

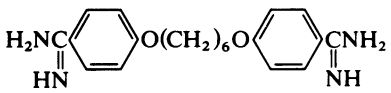
Compd. with $CHBr_3$: [15585-71-4]. ***Brometenamine, INN.***

Butlerow, A., *Justus Liebigs Ann. Chem.*, 1860, **115**, 322.
Ger. Pat., 824 055, (*1951*); *CA*, **49**, 7597 (*Mandelamine*)
Settimj, M., *CA*, 1952, **46**, 1965 (*Citrohexamine*)
Stetter, H., *Angew. Chem.*, 1954, **66**, 217.
Morita, M., *CA*, 1973, **79**, 32020d (*synth*)
Alonso, F. *et al*, *CA*, 1979, **90**, 127487 (*Mandelamine*)
Gleckman, R. *et al*, *Am. J. Hosp. Pharm.*, 1979, **36**, 1509.
Chou, M. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 322 (*cryst struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 243.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 530 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5657, 5658, 5659, 5660, 5661.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 600.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 721.

Hexamidine, INN H-00058

4,4'-[1,6-Hexanediylbis(oxy)]bisbenzenecarboximidamide, 9CI. 4,4'-(Hexamethylenedioxy)dibenzamidine, 8CI. 4,4'-Diamidino-α,ζ-diphenoxyhexane, 1,4-Bis(4-amidinophenoxy)-hexane

[3811-75-4]



$C_{20}H_{26}N_4O_2$ M 354.451
Antiseptic, disinfectant; inhibitor of thrombin, trypsin and kallikrenin.

B,2HCl: [50357-46-5]. Prisms. Mp 246-247° dec.
Isethionate (1:2): [659-40-5]. *Desomedine. Hexomedine. Jabodine. Ophtamedine. 2535 RP.*

Ashley, J.N. *et al*, *J. Chem. Soc.*, 1942, 103 (*synth, pharmacol*)
Geratz, J.D. *et al*, *J. Med. Chem.*, 1973, **16**, 970 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2251.

Hexaoctacontaoxononaantimonateheneicosatungstate(19−), 9CI H-00059

$O_{86}Sb_9W_{21}$ M 6332.548

Heptadecaammonium disodium salt: [89899-81-0]. *Ammonium-21-tungsto-9-antimoniate. HPA 23.* Antiviral agent potentially of use against HIV infection.

Michelon, M. *et al*, *C. R. Seances Acad. Sci., Ser. C*, 1972, **274**, 209 (*synth, deriv*)
Chermann, J.-C. *et al*, *Biochem. Biophys. Res. Commun.*, 1975, **65**, 1229 (*pharmacol, deriv*)
Fischer, J. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 3050 (*cryst struct, deriv*)
Leclerc, G., *Drugs Future*, 1985, **10**, 744 (*rev*)
Rozenbaum, W. *et al*, *Lancet*, 1985, 450.

Hexapradol, INN H-00060

α-(1-Aminohexyl)-α-phenylbenzenemethanol, 9CI. 2-Amino-1,1-diphenyl-1-heptanol. α-(1-Aminohexyl)-benzhydrol

[15599-37-8]



$C_{19}H_{25}NO$ M 283.413

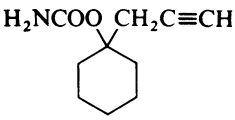
Central stimulant. Mp 56-65° (crude).
B,HCl: Mp 223-224°.

B.P., 805 511, (*1958*); *CA*, **53**, 12249 (*synth, props*)

Hexapropymate, BAN, INN H-00061

1-(2-Propynyl)cyclohexanol carbamate, 9CI. Biradon. Lunamin. Merinax. Modirax. L 2103

[358-52-1]

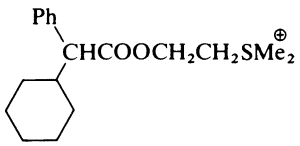


$C_{10}H_{15}NO_2$ M 181.234
Hypnotic, sedative. Cryst. (pet. ether). Mp 98-100°.
▷FD1150000.

Laüger, P. *et al*, *Helv. Chim. Acta*, 1959, **42**, 2379 (*synth, pharmacol*)
B.P., 802 557, (*1958*); *CA*, **53**, 15975
Leyssens, L. *et al*, *Pharmazie*, 1984, **39**, 114 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4039.

Hexasonium(1+) H-00062

[2-[(Cyclohexylphenylacetyl)oxy]ethyl]-dimethylsulfonium, 9CI. (2-Hydroxyethyl)-dimethylsulfonium α-phenylcyclohexaneacetate, 8CI



$C_{18}H_{27}O_2S^{\oplus}$ M 307.470 (ion)
(±)-form
Anticholinergic, spasmolytic agent.

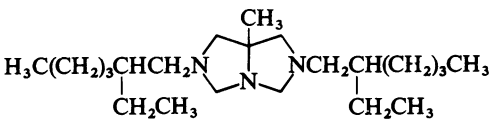
Iodide: [3569-59-3]. *Hexasonium iodide, INN. Thiospasmin.*
$C_{18}H_{27}IO_2S$ M 434.375
Mp 102°.
▷WR8050000.

Czech. Pat., 85 855, (*1956*); *CA*, **52**, 2910g (*synth, pharmacol*)

Hexedine, USAN, INN H-00063

2,6-Bis(2-ethylhexyl)hexahydro-7a-methyl-1H-imidazo[1,5-c]imidazole, 9CI, 8CI. Sterisol. W 4701

[5980-31-4]



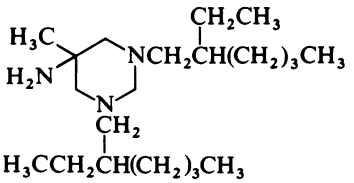
$C_{22}H_{45}N_3$ M 351.618
Antibacterial agent. $Bp_{0.02}$ 125°.

B.P., 1 060 194, (*1967*); *CA*, **67**, 21913 (*synth, pharmacol*)
Satzinger, G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1849 (*props, uv, ir*)

Hexetidine, BAN, INN H-00064

1,3-Bis(2-ethylhexyl)hexahydro-5-methyl-5-pyrimidinamine, 9CI. 5-Amino-1,3-bis(ethylhexyl)hexahydro-5-methylpyrimidine, 8CI. Sterisil. Oraldene. Numerous proprietary names

[141-94-6]



$C_{21}H_{45}N_3$ M 339.607

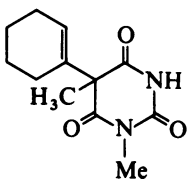
Antibacterial and antifungal agent. Liq. $Bp_{0.4}$ 160°.

Senkus, M., *J. Am. Chem. Soc.*, 1946, **68**, 1611 (*synth*)
Fr. Pat., 2 295 029, (*1976*); *CA*, **87**, 29011m (*synth*)
Satzinger, G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1849 (*prop, uv, ir*)
Satzinger, G. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 277 (*rev*)
Wile, D.B. *et al*, *Curr. Med. Res. Opin.*, 1986, **10**, 82 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6417 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2587.

Hexobarbital, INN H-00065

5-(Cyclohexen-1-yl)-1,5-dimethyl-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-(1-Cyclohexen-1-yl)-1,5-dimethylbarbituric acid, 8CI. Enhexymal. Hexobarbitone. Hexobarbitural. Evipan. Numerous proprietary names

[56-29-1]



$C_{12}H_{16}N_2O_3$ M 236.270

Sedative, hypnotic. Prisms. Mp 145-147°. Used mainly as Na salt.

▷CQ2625000.

Na salt: [50-09-9]. Intravenous general anaesthetic. Hygroscopic powder. V. sol. H_2O.

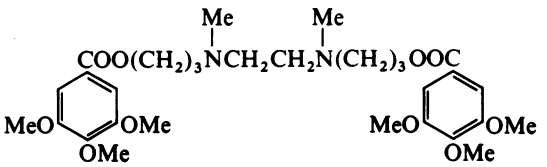
▷CQ2800000.

B.P., 401 693, (*1933*); *CA*, **28**, 2850 (*synth, pharmacol*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1965, **298**, 1 (*resoln*)
Knabe, J. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1968, **7**, 463 (*synth*)
Bonnichsen, R. *et al*, *Z. Rechtsmed.*, 1972, **70**, 150 (*ms*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Breimer, D.D. *et al*, *J. Pharm. Pharmacol.*, 1973, **25**, 762 (*pharmacol*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2424 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4040, 4041.

Hexobendine, BAN, USAN, INN H-00066

3,4,5-Trimethoxybenzoic acid 1,2-ethanediyltris(methylimino)-3,1-propanediyl ester, 9CI. 3,4,5-Trimethoxybenzoic acid 3,3'-[ethylenebis(methylimino)]di-1-propanol, 8CI. Hexabendine. Other proprietary names

[54-03-5]



$C_{30}H_{44}N_2O_{10}$ M 592.685

Vasodilator. Mp 75-77°.

▷DI0220000.

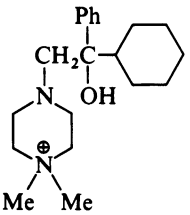
B,2HCl: [50-62-4]. *Reoxyl. Ustimon.* Insol. Et_2O, sol. H_2O. Mp 170-174°.

Austrian Pat., 231 432, (*1964*); *CA*, **60**, 15786g (*synth*)
Heistracher, P. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 1077 (*pharmacol*)
Rudolph, W. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 637 (*pharmacol*)
Cho, Y.W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1973, **202**, 402 (*pharmacol*)
Rameis, H. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 671 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 614 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7883 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9239.

Hexocyclium(1+) H-00067

4-(2-Cyclohexyl-2-hydroxy-2-phenylethyl)-1,1-dimethylpiperazinium, 9CI. Duopax. Mosidal. Plegan. Sanulcer. Tral. Tralin. Ulcazina. Ulcolin. AB 803. ND 1966

[6004-98-4]



$C_{20}H_{33}N_2O^{\oplus}$ M 317.494 (ion)

▷TM3150000.

(±)-*form*

Parasympatholytic, anticholinergic agent.

Methyl sulphate: [115-63-9]. *Hexocyclium methylsulfate, BAN. Hexocyclium metilsulfate, INN.* Cryst. Mp 200-210°.

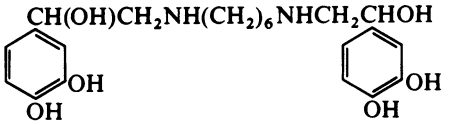
▷TM3125000.

Helgren, P.F. *et al*, *J. Am. Pharm. Assoc., Sci. Ed.*, 1957, **46**, 639.
Zaugg, H.E. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 2763, 2768 (*synth*)
U.S.P., 2 907 765, (*1960*); *CA*, **54**, 7746
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 372.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1529.

Hexoprenaline, BAN, INN H-00068

4,4'-[1,6-Hexanediylbis[imino(1-hydroxy-2,1-ethanediyl)]]bis-1,2-benzenediol, 9CI. α,α'-[Hexamethylenebis(iminomethylene)]bis[3,4-dihydroxybenzyl alcohol], 8CI. Bronalin. Broncholysin. Etoscol. Gynipral. Ipradol. Leanol. Prelin. Tokolysan. Byk 1512. ST 1512

[3215-70-1]



$C_{22}H_{32}N_2O_6$ M 420.505

Bronchodilator. Cryst. + $1\frac{1}{2}H_2O$. Mp 162-165°.

B,2HCl: [4323-43-7]. *Hexoprenaline hydrochloride, JAN.* Cryst. (MeOH/Et_2O). Mp 197.5-198°.

▷DO6349000.

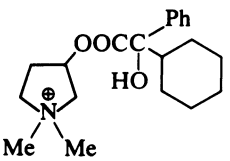
B,H_2SO_4: [32266-10-7]. *Hexoprenaline sulfate, JAN.* Cryst. (EtOH aq.). Mp 222-228°.

▷DO6350000.

Ger. Pat., 1 215 729, (*1966*); *CA*, **65**, 3797c (*synth, pharmacol*)
Austrian Pat., 285 583, (*1970*); *CA*, **75**, 35414p (*synth, isom*)
Scindl, R., *Arzneim.-Forsch.*, 1970, **20**, 1755 (*pharmacol*)
Pinder, R.M. *et al*, *Drugs*, 1977, **14**, 1 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2065, 2066.

Hexopyrronium(1+) H-00069

3-[(Cyclohexylhydroxyphenylacetyl)oxy]-1,1-dimethylpyrrolidinium, 9CI. 3-Hydroxy-1,1-dimethylpyrrolidinium α-phenyl-cyclohexaneglycolate



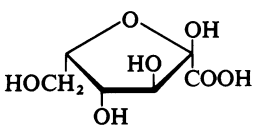
$C_{20}H_{30}NO_3^{\oplus}$ M 332.462 (ion)

Anticholinergic agent.

Bromide: [3734-12-1]. *Hexopyrronium bromide, INN. AHR 483.*
$C_{20}H_{30}BrNO_3$ M 412.366
Plates (Me_2CO/MeOH/EtOAc).

Franko, B.V. *et al*, *J. Med. Chem.*, 1960, **2**, 523 (*pharmacol*)
Alphin, R.S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **168**, 82 (*pharmacol*)
Baker, R.W. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, **14**, 1963 (*cryst struct*)

xylo-2-Hexulosonic acid H-00070



$C_6H_{10}O_7$ M 194.141

L-form

Intermed. in vitamin C biosynth in higher plants.

2,3:4,6-Di-O-isopropylidene: [18467-77-1]. *2,3:4,6-Di-O-isopropylidene-β-L-xylo-2-hexulosonic acid. Dikegulac, BSI.* ***Diprogulic acid, INN.*** *Atrinal. Lipostem.*
$C_{12}H_{18}O_7$ M 274.270
Used in amine resolution and as a precursor in vitamin C synth. Systemic plant growth regulator. Antilipidaemic. Monohydrate. Mp 103° dec. $[\alpha]_D^{25}$ −21.6° (c, 2.28 in MeOH).

2,3:4,6-Di-O-isopropylidene, Na salt: [52508-35-7]. *Dikegulac sodium.* V. sol. H_2O. Mp >300°.

▷MQ3570000.

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1934, **17**, 311 (*synth*)
Heyns, K *et al*, *Angew. Chem.*, 1957, **69**, 600 (*synth*)
B.P., 1 425 643, (*1972*); *CA*, **81**, 558k (*use*)
Org. Synth., 1976, **55**, 80 (*use*)
Takagi, S. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 2932 (*cryst struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **7**, 113 (*use*)
Pesticide Manual, 6th Ed., 195 (*use*)

4-Hexyl-1,3-benzenediol, 9CI H-00071

4-Hexylresorcinol, 8CI. Hexyl-2,4-dihydroxybenzene. 1-(2,4-Dihydroxyphenyl)hexane. Caprokol. ***Hexylresorcinol, USAN.*** *Hexylresorcin. Numerous proprietary names*

[136-77-6]

$C_{12}H_{18}O_2$ M 194.273

Urinary antiseptic. Anthelmintic. Needles (pet. ether). Mp 68-70°. Bp_{6-7} 178-180°.

▷Causes exp. neoplasms. VH1575000.

9-Aminoacridine complex: [7527-91-5]. ***Acrisorcin, USAN, INN.*** *Akrinol. Aminacrine hexylresorcinate. Sch 7056.* Antifungal, anthelmintic agent. Yellow cryst. Mp 189-190°.

1-Ac:
$C_{14}H_{20}O_3$ M 236.310
Oil.

3-Ac:
$C_{14}H_{20}O_3$ M 236.310
Needles (heptane). Mp 62-63°.

Dohme, A.R.L. *et al*, *J. Am. Chem. Soc.*, 1926, **48**, 1691 (*synth*)
Cox, E.N., *Recl. Trav. Chim. Pays-Bas*, 1931, **50**, 848 (*synth*)
Shas, E.Y., *Chem. Zentralbl.*, 1941, **2**, 636 (*rev*)
Seneca, H., *Antibiot. Chemother.*, 1961, **11**, 587 (*Acrisorcin*)
U.S.P., 3 122 553, (*1964*); *CA*, **60**, 13231 (*Acrisorcin*)
Quercia, V. *et al*, *Boll. Chim. Farm.*, 1971, **110**, 428 (*ms*)
Mizobuchi, S. *et al*, *Agric. Biol. Chem*, 1985, **49**, 1327 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 782, 2202.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2519.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1533.

2-Hexyl-2-(hydroxymethyl)-1,3-propanediol, 9CI H-00072

2,2-Bis(hydroxymethyl)-1-octanol

[4780-31-8]

$H_3C(CH_2)_5C(CH_2OH)_3$

$C_{10}H_{22}O_3$ M 190.282

Cryst. ($CHCl_3$ or C_6H_6). Mp 69-70°. Bp_{10-12} 175-180°.

Trinicotinoyl: [7237-81-2]. ***Hepronicate, INN, JAN.*** *2-Hexyl-2-(hydroxymethyl)-1,3-propanediol trinicotinate, 8CI. Megrin. CY 115.*
$C_{28}H_{31}N_3O_6$ M 505.569
Peripheral vasodilator. Mp 94-96°.

Tris(phenylurethane): Cryst. (EtOH). Mp 142.5-144.5°.

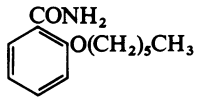
Dermer, O.C. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1697 (*synth*)
Olsen, S. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **654**, 198 (*synth*)
Netherlands Pat., 6 514 807, (*1966*); *CA*, **65**, 10571 (*Hepronicate*)

Japan. Pat., 67 10 988, (*1967*); *CA*, **67**, 90683k (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9238.

2-(Hexyloxy)benzamide, 9CI H-00073

Exalamide, INN. *Xenamide. Hyperan. Soldier*

[53370-90-4]



$C_{13}H_{19}NO_2$ M 221.299

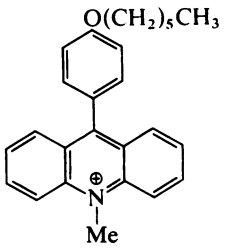
Coronary vasodilator. Possesses antimicrobial props. Mp 72°.

▷CV5050000.

Bavin, E.M. *et al*, *J. Pharm. Pharmacol.*, 1952, **4**, 872 (*synth*)
B.P., 726 786, (*1955*); *CA*, **50**, 5751 (*synth*)
Horiguchi, Y. *et al*, *Yokohama Igaku*, 1975, **25**, 191 (*pharmacol*)
Uematsu, T. *et al*, *Yakugaku Zasshi*, 1975, **95**, 411 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16641.

9-[4-(Hexyloxy)phenyl]-10-methylacridinium(1+) H-00074

Phenacridane. *Acrizane. Micridium*



$C_{26}H_{28}NO^{\oplus}$ M 370.513 (ion)

Appears to be a tautomeric struct., with the major portion in the acridinium form. Antiseptic.

Chloride: [3131-08-6]. *Phenacridane chloride.*
$C_{26}H_{28}ClNO$ M 405.966
Yellow powder. Mp 184.5-185.5°.

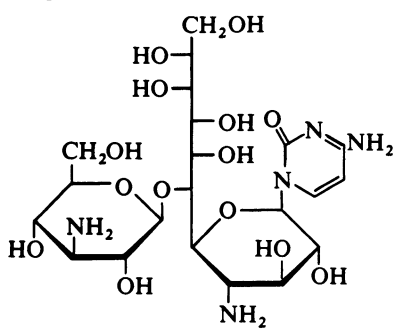
▷AR9800000.

Price, P.B. *et al*, *Am. Surgeon*, 1953, **19**, 792 (*props*)
U.S.P., 2 645 594, (*1953*); *CA*, **48**, 9409 (*synth*)
Metzger, W.I. *et al*, *Antibiotics Chemotherapy*, 1961, **11**, 335 (*props*)

Hikizimycin H-00075

Anthelmycin, 8CI. ***Antelmycin, INN, USAN.*** *L 33876. Antibiotic L 33876*

[12706-94-4]



$C_{21}H_{37}N_5O_{14}$ M 583.548

Nucleoside antibiotic. Isol. from *Streptomyces hikiziensis* and *S. longissimus*. Anthelmintic. Active against phytopathogenic fungi. Cryst. Mp ca. 200° dec. $[\alpha]_D$ +17.5° (c, 1.58 in H_2O).

▷UW7350200.

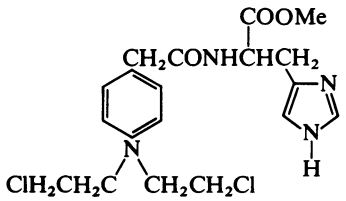
B,HBr: Mp 214-215°. $[\alpha]_D^{23.5}$ −40.6° (c, 1 in H_2O).

Uchida, K. *et al*, *J. Antibiot.*, 1971, **24**, 259 (*isol, ir, nmr*)
Uchida, K. *et al*, *Tetrahedron*, 1975, **31**, 2315 (*cmr*)
Uchida, K. *et al*, *Agric. Biol. Chem.*, 1976, **40**, 395 (*ms, ir, nmr*)
Ennifar, S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 41 (*struct, pmr, cmr, ms*)
Vuilhorgne, M. *et al*, *Carbohydr. Res.*, 1981, **97**, 19 (*cmr, conformn*)

Hisphen H-00076

N-[[*4*-[*Bis*(*2-chloroethyl*)*amino*]*phenyl*]*acetyl-L-histidine methyl ester. Hisfen. MD 2*

[2764-56-9]



$C_{19}H_{24}Cl_2N_4O_3$ M 427.330

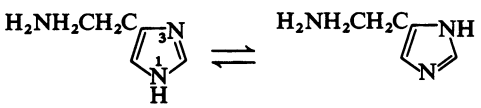
Antineoplastic agent. Cryst. (dioxan). Mp 97-98°.

Dagiene, M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1965, 917; *CA*, **63**, 5734 (*synth*)

Histamine H-00077

1H-Imidazole-4-ethanamine, 9CI. 4-(2-Aminoethyl)-1H-imidazole. Ergamine

[51-45-6]



$C_5H_9N_3$ M 111.146

1*H*-form predominates ca. 4:1 in aq. soln. Found in *Claviceps purpurea* and very many other plants and animals. Substance responsible for localised oedema response in mammalian tissues. Gastric secretion stimulant. Mp 86°. $Bp_{0.8}$ 167°.

▷MS1050000.

B,2HCl: Amin-Glaukosan. Histamine dihydrochloride. Histamyl. Imido. Peremin. Other synonyms. Allergic therapy, diagnostic aid. Mp 244-246°.

Dipicrate: Mp 239°.

ω-N-*Ac:* [673-49-4]. **N-*Acetylhistamine*.**
$C_7H_{11}N_3O$ M 153.183
May be considered a regular constit. of amphibian skin whenever histamine is present in large amounts, e.g. *Litoria caerulea, L. aurea, L. moorei.* Also found in dog urine after oral administration of histamine. Prisms (EtOH/Et_2O or EtOH/EtOAc). Mp 147-148°.

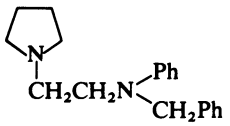
ω-N-(*4-Oxodecanoyl*): **N^{α}-(*4-Oxodecanoyl*)*histamine*.**
$C_{15}H_{23}N_3O_2$ M 277.366
Alkaloid from the leaves of a *Glochidion* sp. (probably *G. philippicum*). Cryst. ($CHCl_3$ or $CHCl_3$/EtOH). Mp 115-117°. Easily converted into Glochidine and Glochidicine.

ω-N-*Me:* [673-50-7]. **N-*Methylhistamine*.**
$C_6H_{11}N_3$ M 125.173
Constit. of the skin of amphibians, e.g. *Nictimystes disrupta, Litoria glandulosa* and *Leptodactylus pentadactylus labyrinthicus.*
▷NI7355000.
ω-N-*Me; B,2HCl:* Mp 176-177°.
ω-N-*Me; B,2HBr:* Mp 167°.
ω-N-*Me, dipicrate:* Mp 188°.
Phosphate: [6890-40-0]. *Histamine phosphate, USAN. Histapon.* Mp 140°.

Koessler, K.K. *et al, J. Am. Chem. Soc.*, 1918, **40**, 1716 (*synth*)
Tabor, H. *et al, J. Biol. Chem.*, 1949, **180**, 703 (*isol, synth, N-Acetylhistamine*)
Johns, S.R. *et al, Aust. J. Chem.*, 1967, **20**, 555 (*ω-N-(4-Oxodecanoyl)*histamine)
Fales, H.M., *Arch. Mass. Spectral Data*, 1971, **2**, 650 (*ms*)
Bonnet, J.J. *et al, J. Am. Chem. Soc.*, 1973, **95**, 4829 (*cryst struct*)
Ganellin, C.R. *et al, J. Med. Chem.*, 1973, **16**, 610 (*pmr*)
Milne, G.W.A. *et al, Anal. Chem.*, 1973, **45**, 1952 (*cims*)
Bryn, S.R. *et al, J. Org. Chem.*, 1976, **41**, 2283 (*conformn*)
Roseghini, M. *et al, Comp. Biochem. Physiol. C*, 1976, **54**, 31 (*occur, derivs*)
Roseghini, M. *et al, Z. Naturforsch., C*, 1976, **31**, 118 (*occur, derivs*)
Reynolds, W.F. *et al, Can. J. Biochem.*, 1977, **55**, 576 (*cmr, tautom*)
Bertaccini, G., *Handb. Exp. Pharmacol.*, 1982, **59**, 201 (*rev*)
Green, J.P. *et al, Agents Actions*, 1987, **22**, 1 (*rev, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2133, 2134.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 321.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1535, 1536.

Histapyrrodine, INN H-00078

N-*Phenyl*-N-(*phenylmethyl*)-*1*-*pyrrolidineethanamine, 9CI. 1*-[*2*-(N-*Benzylanilino*)*ethyl*]*pyrrolidine*
[493-80-1]



$C_{19}H_{24}N_2$ M 280.412
Antihistamine, antiallergic agent. Bp_1 198-205°.
B, HCl: [6113-17-3]. *Domistan. Luvistin.* Mp 196-197°.

Anterhoff, H., *Arch. Pharm. (Weinheim, Ger.)*, 1951, **284**, 123 (*synth*)
B.P., 659 730, (*1951*); *CA*, **46**, 8680g (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6136.

Histoplasmin, USAN H-00079

[9008-05-3]
A complex of polysaccharides and polypeptides. Prod. by *Histoplasma capsulatum.* Diagnostic aid (dermal reactivity indicator).

Salvin, S.B. *et al, J. Bacteriol.*, 1948, **56**, 541 (*isol*)
Schubert, J.H. *et al, Mycopathol. Mycol. Appl.*, 1966, **30**, 81.
Taha, B.H., *Diss. Abstr. Int. B*, 1969, **30**, 1540 (*sepn*)
Edwards, P.Q. *et al, Am. J. Trop. Med. Hyg.*, 1971, **20**, 288 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8040.

Histrelin, USAN, INN H-00080

ORF 17070
[76712-82-8]

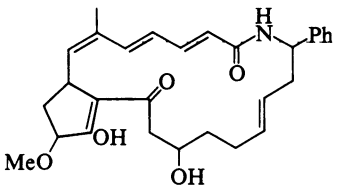
H-5-OxoPro-His-Trp-Ser-Tyr-D-His(*N*-PhCH$_2$)-Leu-Arg-Pro-NHEt

$C_{66}H_{86}N_{18}O_{12}$ M 1323.519
LHRH agonist.

Sundaram, K. *et al, Life Sci.*, 1981, **28**, 83 (*props*)
Hahn, D.W. *et al, Int. Congr. Ser.-Excerpta Med.*, 1984, **656**, 203 (*pharmacol*)
Rivier, J. *et al, J. Chromatogr.*, 1984, **288**, 303 (*synth, hplc*)
Shaw, C.J. *et al, Chromatographia*, 1986, **21**, 197 (*glc, config*)
Phillips, A. *et al, Life Sci.*, 1987, **40**, 1379 (*props*)

Hitachimycin H-00081

*9,10,13,14,15,16,20,20*a-*Octahydro-15,18-dihydroxy-19-methoxy-2-methyl-9-phenylcyclopent*[i]-*azacyclononadecine-7,17*(8H,19H)-*dione, 9CI. Stubomycin. KG 2245. KM 4927. Antibiotic KG 2245. Antibiotic KM 4927*
[77642-19-4]

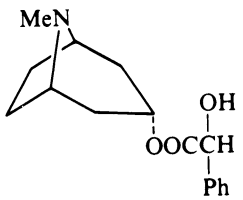


$C_{29}H_{35}NO_5$ M 477.599
Polyene-type antibiotic. Isol. from *Streptomyces* sp. Antitumour and antiprotozoal agent. Mp 253-256° dec. $[\alpha]_D^{20}$ +246° (c, 0.5 in DMSO).
Di-O-*Ac:* Mp 281°. $[\alpha]_D^{20}$ +47.1° (c, 0.5 in H_2O).

Umezawa, I. *et al, J. Antibiot.*, 1981, **34**, 259 (*isol, uv, ir, pmr*)
Komiyama, K. *et al, J. Antibiot.*, 1982, **35**, 301 (*props*)
Omura, S. *et al, Tetrahedron Lett.*, 1982, 4713 (*struct, pmr, cmr*)

Homatropine H-00082

α-*Hydroxybenzeneacetic acid 8-methyl-8-azabicyclo*[*3.2.1*]*oct-3-yl ester, 9CI.* (*1*α*H,5*α*H*)-*Tropan-3*α-*ol mandelate ester, 8CI. Phenylglycollyltropine. Mandelyltropine. Atrapar. Ciclomidrin. Homat. Homatrocel. Omatropil. Numerous synonyms*
[87-00-3]



$C_{16}H_{21}NO_3$ M 275.347
▷YM5600000.
(±)-*form*
Ophthalmic anticholinergic agent, mydriatic, cycloplegic. Prisms (Et_2O). Mp 99-100°. Hygroscopic.
▷Poisonous
B,HBr: [51-56-9]. *Homatropine hydrobromide, USAN. Isopto Homatropine. Homatrisol.* Orthorhombic, bipyramidal prisms (H_2O). Insol. Et_2O. Mp 212° dec.
▷YM5602000.

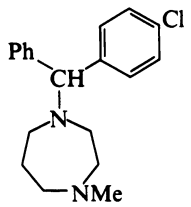
B,HCl: [637-21-8]. Prisms (H_2O). Mp 217-220° dec.
B,MeBr: [80-49-9]. *Mesopin. Novatropine. Homatropine methylbromide, INN, USAN. Methylhomatropine bromide. Nopar. Omnibel. Sethyl. Other synonyms.* Spasmolytic. Minute cryst. (EtOH/Et_2O). Mp 191-192°.
▷MS9000000.

Chemnitius, F., *J. Prakt. Chem.*, 1927, **117**, 142 (*synth*)
Ohashi, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 34 (*pmr*)
Saferstein, R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Volpi, A., *Boll. Chim. Farm.*, 1976, 466 (*pharmacol, props*)
Muhtadi, F.J. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 245 (*rev, chem, pharm, detn*)
Glaser, R. *et al*, *J. Org. Chem.*, 1988, **53**, 2172 (*conformn, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 373, 374, 375.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4067, 4554.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1759.

Homochlorcyclizine, BAN, INN H-00083

1-[(4-Chlorophenyl)phenylmethyl]hexahydro-4-methyl-1H-1,4-diazepine, 9CI. 1-(4-Chlorobenzhydryl)-4-methyl-1,4-diazacycloheptane. Numerous proprietary names

[848-53-3]



$C_{19}H_{23}ClN_2$ M 314.857
▷HM3930000.

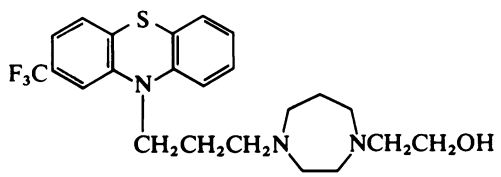
(±)-*form*
Antihistamine, serotonin antagonist. Oil. $Bp_{0.8}$ 177°. n_D^{25} 1.5804.
B,2HCl: [1982-36-1]. *Homochlorcyclizine hydrochloride, JAN.* Very bitter cryst. (EtOH). Mp 227-228°.
▷HM3675000.

Sommers, A.H. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 5805 (*synth*)
Pendse, V.K. *et al*, *Indian J. Physiol. Pharmacol.*, 1969, **13**, 29 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5301 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6137.

Homofenazine, INN H-00084

Hexahydro-4-[3-[2-(trifluoromethyl)-10H-phenothiazin-10-yl]propyl]-1H-1,4-diazepine-1-ethanol, 9CI. D-775

[3833-99-6]



$C_{23}H_{28}F_3N_3OS$ M 451.549
Neuroleptic, sedative, antihistamine. Bp_1 230-240°.

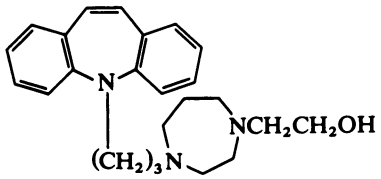
B,2HCl: [1256-01-5]. *Pasaden.*
▷HM4025000.
Difumarate: Cryst. Mp 149°.

Ger. Pat., 1 445 648, (*1971*); *CA*, **76**, 25318s (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7052.

Homopipramol, INN H-00085

4-[3-(5H-Dibenz[b,f]azepin-5-yl)propyl]hexahydro-1H-1,4-diazepine-1-ethanol, 9CI

[35142-68-8]



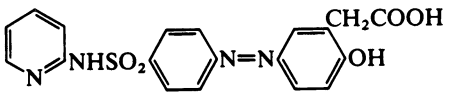
$C_{24}H_{31}N_3O$ M 377.528
Antidepressant, neuroleptic agent.

Ger. Pat., 1 445 648, (*1971*); *CA*, **76**, 25318s (*synth, pharmacol*)

Homosulphasalazine H-00086

2-Hydroxy-5-[[4-[2-pyridinylamino)sulfonyl]phenyl]-azo]benzeneacetic acid, 9CI. PH CH 44A

[73536-01-3]



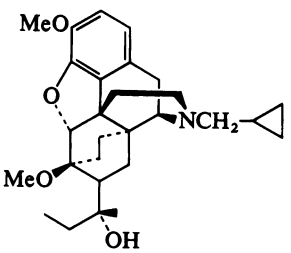
$C_{19}H_{16}N_4O_5S$ M 412.419
Inhibitor of prostaglandin inactivation. Mp 135°. Mp 185-187°. Double melting point.

Moore, P.K. *et al*, *Eur. J. Pharmacol.*, 1980, **61**, 287 (*pharmacol*)
Eur. Pat., 21 229, (*1981*); *CA*, **95**, 24512 (*synth, pharmacol*)

Homprenophine, BAN, INN H-00087

17-(Cyclopropylmethyl)-4,5-epoxy-α-ethyl-3,6-dimethoxy-α-methyl-6,14-ethenomorphinan-7-methanol, 9CI. 22-Cyclopropyl-7α-(1-hydroxy-1-methylpropyl)-6,14-endo-ethenotetrahydrothebaine, 8CI. M 5202

[16549-56-7]



$C_{28}H_{37}NO_4$ M 451.605
Analgesic. Mp 113°.

Bentley, K.W. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 3281 (*synth, pharmacol*)

Hopantenic acid, INN H-00088

4-(2,4-Dihydroxy-3,3-dimethylbutyramido)butyric acid, 8CI. 4-[(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)-amino]butanoic acid, 9CI

[18679-90-8]

$HOCH_2C(CH_3)_2CH(OH)CONH(CH_2)_3COOH$

$C_{10}H_{19}NO_5$ M 233.264

▷ES9570000.

(R)-form

Homopantothenic acid. HOPA

Pantothenic acid analogue. $[\alpha]_D^{20}$ +23.8°.

Ca salt: [17097-76-6]. *Calcium homopantothenate.* ***Calcium hopantenate, JAN.*** *Hopanal. Hopate. Invirus. Leomin. Metaplas. Neuvamin. Pantogam. Vivant.* Mp 155-165°. $[\alpha]_D^{20}$ +24.19° (c, 2 in H_2O).

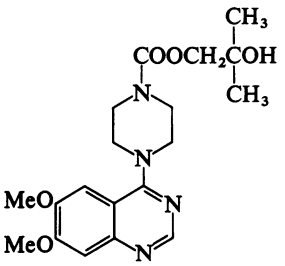
▷ES9572000.

De Sha, C.M. *et al*, *Biochim. Biophys. Acta*, 1964, **86**, 33 (*synth*)
Japan. Pat., 6 600 732, (*1964*); *CA*, **64**, 12555c (*synth, Ca salt*)
Kodama, T. *et al*, *Bitamin*, 1966, **33**, 606; **CA, 65**, 5949 (*props, pharmacol, toxicity*)
Kopelevich, V.M. *et al*, *Khim.-Farm. Zh.*, 1971, **5**, 21 (*synth, ir, nmr*)
Kopelevich, V.M. *et al*, *Farmakol.-Toksikol.*, 1973, **36**, 489 (*rev, pharmacol, metab*)
Bogan, J.A., *Drugs of Today*, 1979, **15**, 98 (*rev*)
Abe, T. *et al*, *Drugs Exp. Clin. Res.*, 1984, **10**, 563 (*pharmacol*)
Nakahiro, M. *et al*, *Neuropharmacology*, 1986, **25**, 227 (*pharmacol*)

Hoquizil, INN H-00089

2-Hydroxy-2-methylpropyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, 9CI, 8CI

[21560-59-8]



$C_{19}H_{26}N_4O_5$ M 390.438

Bronchodilator. Cryst. (EtOAc). Mp 172-173°.

B,HCl: [23256-28-2]. *Hoquizil hydrochloride, USAN. CP 14185-1.*

U.S.P., 3 517 005, 3 594 480, (*1968*); *CA*, **70**, 68419u (*synth, pharmacol*)
Schach von Wittenau, S.M. *et al*, *Pharmacology*, 1971, **6**, 173 (*pharmacol*)

Human pituitary growth hormone, 9CI H-00090

[12629-01-5].

Nanorman: Somatotropin (human), 9CI. ***Somatropin, USAN, BAN, INN.*** *Asellacrin. Crescormon. Genotropin. Grorm. Nanormon. Somatonorm. Sopin. CB 311.*

H-Phe-Pro-Thr-Ile-Pro-Leu-Ser-Arg-Leu-Phe-Asp-Asn-Ala-Met-Leu-Arg-Ile-Leu-Ser-Leu-Glu-Leu-Ile-Ser-Trp-Leu-Glu-Pro-Val-Glu-Phe-Ala-His-Arg-Leu-His-Gln-Leu-Ala-Phe-Asp-Thr-Tyr-Glu-Glu-Phe-Glu-Glu-Ala-Tyr-Ile-Pro-Lys-Glu-Gln-Lys-Tyr-Ser-Phe-Leu-Gln-Asp-Pro-Glu-Thr-Ser-Leu-CyS-Phe-Ser-Glu-Ser-Ile-Pro-Thr-Pro-Ser-Asn-Arg-Glu-Glu-Thr-Gln-Lys-Ser-Asp-Leu-Glu-Leu-Leu-Arg-Ser-Val-Phe-Ala-Asn-Ser-Leu-Val-Tyr-Gly-Ala-Ser-Asn-Ser-Asp-Val-Tyr-Asp-Leu-Leu-Lys-Asp-Leu-Glu-Glu-Gly-Ile-Glu-Thr-Leu-Met-Gly-Arg-Leu-Glu-Asp-Pro-Ser-Gly-Arg-Thr-Gly-Gln-Ile-Phe-Lys-Glu-Thr-Tyr-Ser-Lys-Phe-Asp-Thr-Asn-Ser-His-Asn-Asp-Asp-Ala-Leu-Leu-Lys-Asp-Tyr-Gly-Leu-Leu-Tyr-CyS-Phe-Arg-Lys-Asp-Met-Asp-Lys-Val-Glu-Thr-Phe-Leu-Arg-Ile-Val-Gln-CyS-Arg-Ser-Val-Glu-Gly-Ser-CyS-Gly-Phe-OH

$C_{990}H_{1528}N_{262}O_{300}S_7$ M 22124.957

Active hormone isol. from human pituitary glands. Clinically-used growth stimulant.

Li, C.H. *et al*, *Science*, 1956, **124**, 1293 (*isol*)
Li, C.H. *et al*, *Arch. Biochem. Biophys.*, 1969, **133**, 70; 1971, **146**, 233.
Li, C.H. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 7608 (*synth*)
Bewley, T.A. *et al*, *Biochemistry*, 1972, **11**, 884 (*struct*)
Martial, J.A. *et al*, *Science* (*Washington*), 1979, **205**, 602 (*cloning*)
Pecile, A. *et al*, Eds., *Growth Hormone and other Biol. Active Peptides*, Elsevier, N.Y., 1980 (*book*)
Gluckman, P.D. *et al*, *Endocrinol. Rev.*, 1981, **2**, 363 (*rev*)
Li, C.H., *Mol. Cell Biochem.*, 1982, **46**, 31 (*rev, struct, chem*)
Raiti, S. *et al* (*Eds.*), *Human Growth Hormones*, 1986, Plenum (*N.Y.*), 179
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5933.

Hyalosidase, BAN, INN H-00091

Hyaluronoglucosaminidase. Hyaluronoglucosidase, 9CI. GL Enzyme

[37326-33-3]

Enzyme catalysing the hydrolysis of 1,4-linkages between 2-acetamido-2-deoxy-β-D-glucose and β-D-glucuronate residues in hyaluronic acid. Fibrinolytic enzyme, used in treatment of myocardial infarction. Highly purified form of Hyaluronidase, H-00092 .

Margolis, R.U. *et al*, *J. Neurochem.*, 1972, **19**, 2325.
Cristner, J.E. *et al*, *J. Biol. Chem*, 1979, **254**, 4624.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18650.

Hyaluronidase, BAN, USAN, INN H-00092

Hyalase. Hyason. Jalovis. Jaluran. Kinaden. Kinetin. Penetrase. Permease. Wydase

[9001-54-1]

Enzymes which depolymerise hyaluronic acid. Opthalmological agent.

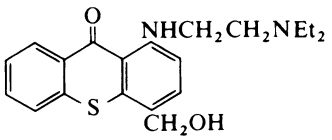
▷MT7260000.

Fenger, M., *J. Chromatogr.*, 1982, **240**, 173 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3724.

Hycanthone, INN, USAN H-00093

1-(2'-Diethylaminoethyl)amino-4-hydroxymethyl-9H-thioxanthen-9-one, 9CI. Hydroxylucanthone. NSC 134434. Win 24933

[3105-97-3]



$C_{20}H_{24}N_2O_2S$ M 356.482

Schistosomicide. Metab. of Lucanthone. Cryst. (isopropyl acetate). Mp 100.6-102.8°. V. sensitive to acid.

▷XO1590000.

B,HCl: [3613-12-5]. Mp 173-176°.

B,$MeSO_3H$: [23255-93-8]. *Hycanthone mesylate. Etrenol.*

▷XO1600000.

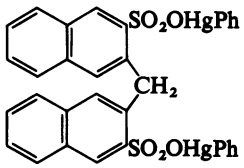
Rosi, D. *et al*, *Nature* (*London*), 1965, **208**, 1005
Laidlaw, G.M. *et al*, *J. Org. Chem.*, 1973, **38**, 1743 (*synth*)
Hirschberg, E. *et al*, *Antibiotics* (*N.Y.*), 1975, **3**, 274 (*rev*)

Chin Hsuan Wei, *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 205 (*struct*)
Ong, T.-M. *et al*, *Mutat. Res.*, 1978, **55**, 43 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 783.

Hydrargaphen, BAN, INN H-00094

[*μ*-[[*3,3'-Methylenebis*[*2-naphthalenesulfonato*]](2−)]]*diphenyldimercury*, *9CI*. *Conotrane. Fibrotan. Hydraphen. Peneton. Penotrane. Septotan. Versotrane*

[14235-86-0]



$C_{33}H_{24}Hg_2O_6S_2$ M 981.849

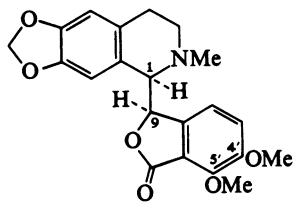
Antiparasitic, topical antiinfective, bactericide, fungicide. Amorph. powder.

▷OW6300000.

B.P., 584 196, (*1947*); *CA*, **41**, 3253 (*synth*)
Goldberg, A.A., *Manuf. Chem.*, 1951, **22**, 182 (*rev*)
Hopf, P.P., *Manuf. Chem.*, 1953, **24**, 44 (*rev*)
Ito, A. *et al*, *CA*, 1961, **55**, 1539 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2252.

Hydrastine H-00095

[118-08-1]



(*1R,9R*)-*form*

$C_{21}H_{21}NO_6$ M 383.400

All 4 stereoisomers as well as both racemates have been isol. from plants. Other spp. from which hydrastine(s) of unspecified config. have been isol. include *Corydalis fimbrillifera*, *Stylomecon heterophylla*, *Berberis laurina* and *Hydrastis canadensis* (Fumariaceae, Papaveraceae, Berberidaceae). Has been used clinically to treat uterine haemorrhagia. Antihypertensive agent. Claimed use in ophthalmology for pupil dilation and topical anaesthesia. Some stereoisomers may be artifacts.

▷MU6030000.

(1R,9R)-form

(−)-*α-Hydrastine. Stylophylline*

Alkaloid from *S. heterophylla* and *H. canadensis* (Papaveraceae). Mp 162-163.5°. $[\alpha]_D$ −141° (c, 1.0 in $CHCl_3$).

(1R,9S)-form

(−)-*β-Hydrastine*

Alkaloid from *H. canadensis* and *B. laurina* (Papaveraceae, Berberidaceae). Cryst. (EtOH). Mp 133-135°. $[\alpha]_D$ −68° ($CHCl_3$).

▷MU6030000.

O$^{4'}$*-De-Me:* ***Isohydrastidine****. Corftaline.*

$C_{20}H_{19}NO_6$ M 369.373

Alkaloid from *H. canadensis* and *C. pseudo-adunca* (Papaveraceae, Fumariaceae). Cryst. (EtOAc/hexane). Mp 163-166°. $[\alpha]_D^{20}$ −77.7° (c, 0.6 in $CHCl_3$).

O$^{5'}$*-De-Me:* ***Hydrastidine****.*

$C_{20}H_{19}NO_6$ M 369.373

Alkaloid from *H. canadensis* (Papaveraceae). Cryst. (EtOAc/hexane). Mp 172-174°. $[\alpha]_D^{20}$ −60.3° (c, 0.7 in $CHCl_3$).

(1S,9S)-form

(+)-*α-Hydrastine*

Alkaloid from *Fumaria schleicheri*, *F. parviflora* and *F. vaillantii* (Fumariaceae). Cryst. (EtOH). Mp 159-161°. $[\alpha]_D$ +127.7° (c, 1.1 in $CHCl_3$).

(1S,9R)-form

(+)-*β-Hydrastine*

Alkaloid from *Corydalis gortschakovii*, *C. pseudo-adunca* and *C. stricta* (Fumariaceae). Cryst. (MeOH). Mp 131-132°. $[\alpha]_D^{18}$ +63° ($CHCl_3$).

(1RS,9RS)-form

(±)-*α-Hydrastine. Hydrastine b*

Alkaloid from *F. schleicheri*, also synthetic (Fumariaceae). Mp 137°, Mp 149°.

(1RS,9SR)-form

(±)-*β-Hydrastine. Hydrastine a*

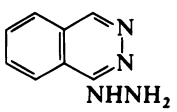
Alkaloid from *F. schleicheri* (Fumariaceae). Cryst. (EtOH). Mp 153° (151°).

Haworth, R.D. *et al*, *J. Chem. Soc.*, 1950, 1776 (*synth*)
Ohta, M. *et al*, *Tetrahedron Lett.*, 1963, 859 (*abs config*)
Safe, S. *et al*, *Can. J. Chem.*, 1964, **42**, 160 (*pmr, config*)
Snatzke, G. *et al*, *Tetrahedron*, 1969, **25**, 5059 (*ord*)
Hughes, D.W. *et al*, *Can. J. Chem.*, 1976, **54**, 2252 (*cmr*)
Kametani, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 1221 (*synth*)
Moniot, J.L. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6714 (*synth*)
Moniot, J.L. *et al*, *Heterocycles*, 1978, **9**, 145 (*pmr*)
Holland, H.L. *et al*, *Can. J. Chem.*, 1979, **57**, 1588 (*biosynth*)
Israilov, I.A. *et al*, *Khim. Prir. Soedin.*, 1980, 851 (*Isohydrastidine*)
Messina, I. *et al*, *Gazz. Chim. Ital.*, 1980, **110**, 539 (*Hydrastidine, Isohydrastidine*)
Blaskó, G. *et al*, *J. Nat. Prod.*, 1982, **45**, 105 (*occur*)
Shono, T. *et al*, *J. Org. Chem.*, 1983, **48**, 1621 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12828.

1-Hydrazinophthalazine H-00096

Hydralazine*, BAN, INN. Numerous proprietary names*

[86-54-4]



$C_8H_8N_4$ M 160.178

Antihypertensive agent. Sensitive reagent for nitrite and formaldehyde. Yellow cryst. (MeOH). Mp 171-173°.

▷TH8925000.

B,HCl: [304-20-1]. *Hydralazine hydrochloride, USAN. Lopress. Apresoline.* Yellow cryst. Mp 273° dec. Component of Apresazide, Hydral, Hyserp, Seragen and Unipres.

▷TH9000000.

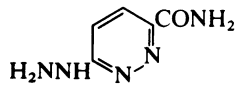
Druey, J. *et al*, *Helv. Chim. Acta*, 1951, **34**, 195 (*synth*)
Oishi, E., *J. Pharm. Soc. Jpn.*, 1969, **89**, 959; *CA*, **72**, 83624 (*synth*)
Stadnicka, K. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 1747 (*cryst struct*)
Butula, I. *et al*, *Croat. Chem. Acta*, 1979, **52**, 43 (*synth*)
Orzech, C.E. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 283 (*rev*)
Al-Rahi, M.F., *Diss. Abstr. Int. B*, 1980, **40**, 3163 (*synth, props*)
Ludden, T.M. *et al*, *Clin. Pharmacokinet.*, 1982, **7**, 185 (*rev*)
Kreye, V.A.W., *J. Cardiovasc. Pharmacol.*, 1984, **6**, 646 (*rev, pharmacol*)

Zacest, R. *et al*, *Handb. Hypertens.*, 1984, **5**, 312 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 854 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 878.

6-Hydrazino-3-pyridazinecarboxamide, 9CI H-00097

Hydracarbazine, INN. *TH 2105*

[3614-47-9]



$C_5H_7N_5O$ M 153.143

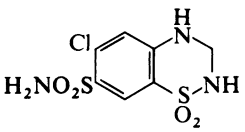
Diuretic, antihypertensive agent. Cryst. Mp 249-250° dec. Component of Normatensyl.

Libermann, P. *et al*, *Bull. Soc. Chim. Fr.*, 1959, 1793 (*synth*)
Schmitt, H. *et al*, *J. Physiol. (Paris)*, 1960, **52**, 525 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 877.

Hydrochlorothiazide, BAN, INN H-00098

6-Chloro-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. 6-Chloro-3,4-dihydro-7-sulfamoyl-1,2,4-benzothiadiazine 1,1-dioxide. Numerous proprietary synonyms

[58-93-5]



$C_7H_8ClN_3O_4S_2$ M 297.731

Diuretic and antihypertensive. Mp 273-275°. pK_a 7.9 (8.2).

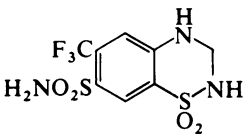
▷DK9100000.

de Stevens, G. *et al*, *Experientia*, 1958, **14**, 463.
Klosa, J. *et al*, *J. Prakt. Chem.*, 1962, **16**, 264 (*synth*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2340 (*cryst struct*)
Deppeler, H.P., *Anal. Profiles Drug Subst.*, 1981, **10**, 405 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 681 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2333.

Hydroflumethiazide, BAN, USAN, INN H-00099

3,4-Dihydro-6-(trifluoromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-oxide, 9CI. 6-Trifluoromethyl-3,4-dihydro-7-sulfamoyl-1,2,4-benzothiadiazine 1,1-dioxide. Dihydroflumethiazide. Idroflumetiazide. Metflorylthiadiazine. Diucardin. Hydrenox. Saluron. Numerous proprietary names

[135-09-1]



$C_8H_8F_3N_3O_4S_2$ M 331.284

Diuretic. Antihypertensive agent. Mp 272-273°. pK_{a1} 8.9, pK_{a2} 10.7.

▷DK9625000.

Holdrege, C.T. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4807 (*synth*)
Close, W.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1132 (*synth*)
Klosa, J. *et al*, *J. Prakt. Chem.*, 1962, **16**, 264 (*synth*)
Ramos, G. *et al*, *Clin. Pharmacol. Ther.*, 1967, **8**, 557 (*use*)
Kracmar, J. *et al*, *Pharmazie*, 1970, **25**, 464 (*uv*)
Ger. Pat., 1 595 888, (*1973*); *CA*, **80**, 14964 (*synth*)
Orzech, C.E. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 297 (*rev, synth, metab, anal*)
Broers, O. *et al*, *Eur. J. Clin. Pharmacol.*, 1979, **16**, 125 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 848.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2334.

Hydrogen peroxide, USAN H-00100

Hydrogen dioxide. Hydroperoxide. Albone. Genoxide. Hioxyl. Inhibine. Oxydol. Perhydrol. Peroxan

[7722-84-1]

H_2O_2 M 34.015

Topical antiinfective agent. Unstable liq. d 1.463. Mp −0.43°. Bp 152°. Used in dilute soln.

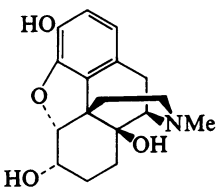
▷MX0900000.

Bailar, J.C. *et al*, Eds., *Comprehensive Inorganic Chemistry*, Pergamon, Oxford, 1973, **2**, 771 (*rev*)
Chen, H. *et al*, *Spectrochim. Acta, Part A*, 1973, **29**, 1611 (*ir, raman*)
Sugawara, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 3391 (*O-17 nmr*)
Kirchner, J.R., *Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1981, **13**, 12 (*rev*)
Koput, J., *J. Mol. Spectrosc.*, 1986, **115**, 438 (*struct*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84 **9**, 241 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5901, 5902, 5903, 5904.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 959.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1550.

Hydromorphinol, BAN, INN H-00101

4,5-Epoxy-17-methylmorphinan-3,6,14-triol, 9CI. 14-Hydroxydihydromorphine. Numorphan Oral

[2183-56-4]



$C_{17}H_{21}NO_4$ M 303.357

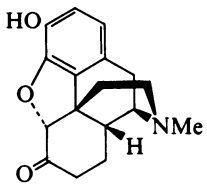
Narcotic analgesic. Cryst. (EtOH) (cryst. v. slowly). Mp 249-250° to red liq.

Weiss, U. *et al*, *J. Med. Chem.*, 1965, **8**, 123 (*synth, pharmacol*)
Chatterjie, N. *et al*, *J. Org. Chem.*, 1976, **41**, 3624 (*synth, isomer*)
Burke, T.R. *et al*, *Heterocycles*, 1985, **23**, 99 (*synth*)

Hydromorphone, BAN **H-00102**

4,5α-Epoxy-3-hydroxy-17-methylmorphinan-6-one, 9CI, 8CI. 7,8-Dihydromorphin-6-one. Numerous proprietary names

[466-99-9]



Absolute configuration

$C_{17}H_{19}NO_3$ M 285.342

Narcotic analgesic. Mp 266-267°. $[\alpha]_D^{25}$ −194° (c, 0.98 in dioxan).

▷QD2500000.

B,HCl: [71-68-1]. *Hydromorphone hydrochloride, USAN. Dilaudid.* Mp 305-315° dec. $[\alpha]_D^{25}$ −133° (c, 1 in H_2O).

▷QD2625000.

3-O-Me: [125-29-1]. ***Hydrocodone, BPC, INN.*** *Dihydrocodeinone. Numerous proprietary names.*

$C_{18}H_{21}NO_3$ M 299.369

Prisms (EtOH). Mp 198°. Also used as cpd. with sulfonated styrene-divinyl benzene copolymer (Hydrocodone polistirex, USAN) as an antitussive.

▷QD2800000.

3-O-Me, hydrogen tartrate: [143-71-5]. *Hydrocodone bitartrate, USAN.* Antitussive. Mp 146-148° (hydrate). Mp may be unreliable.

3-O-Me, enol acetate: see Thebacon, T-00161

Small, L. *et al, J. Org. Chem.*, 1938, **3**, 204 (*synth*)
Rapoport, H. *et al, J. Org. Chem.*, 1950, **15**, 1103 (*synth*)
Audier, H. *et al, Tetrahedron Lett.*, 1965, 13 (*ms*)
Cone, E.J. *et al, J. Pharm. Sci.*, 1977, **66**, 1709 (*metab*)
Purdie, N. *et al, Anal. Chem.*, 1980, **52**, 573; 1981, **53**, 17 (*cd, deriv*)
Rice, K.C., *J. Org. Chem.*, 1980, **45**, 3135 (*deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4382, 4826 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6231, 6232, 6233.

Hydrotalcite, BAN, INN **H-00103**

Altacite. Hi-Ti. Nacid. Talcid. Synthetic hydrotalcite, JAN

[12304-65-3]

$Al_2O_3{\cdot}6MgO{\cdot}CO_2{\cdot}12H_2O$

$CH_{16}Al_2Mg_6O_{19}$ M 531.919

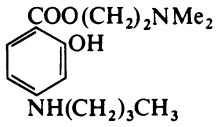
Antacid.

U.S.P., 3 539, 306, (*1970*); *CA*, **71**, 51746w
Serna, C.J. *et al, J. Pharm. Sci.*, 1978, **67**, 324 (*struct*)
Pawlaczyk, J. *et al, Acta Pol. Pharm.*, 1980, **37**, 193 (*synth*)
Pawlaczyk, J. *et al, Acta Pol. Pharm.*, 1985, **41**, 671; **42**, 153 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 691.

Hydroxamethocaine, BAN **H-00104**

4-Butylamino-2-hydroxybenzoic acid 2-dimethylaminoethyl ester, 9CI. 4-Butylaminosalicylic acid 2-dimethylaminoethyl ester, 8CI. ***Hydroxytetracaine, INN.*** *Oxyamethocaine. Oxypantocain. Oxytetracaine. Rhenocain. Salicain*

[490-98-2]



$C_{15}H_{24}N_2O_3$ M 280.366

Local anaesthetic. Cryst. + $\frac{1}{2}H_2O$. Mp 48°.

▷VO1932000.

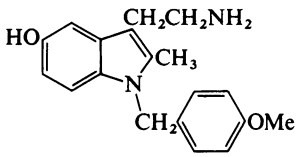
B,HCl: [17284-75-2]. Cryst. (H_2O). Sl. sol. H_2O. Mp 157°.

Grimme, W. *et al, Chem. Ber.*, 1951, **84**, 734 (*synth*)
Geddes, I.C., *Br. J. Anaesthesia*, 1956, **28**, 55 (*pharmacol*)
Büchi, J. *et al, Arzneim.-Forsch.*, 1960, **10**, 297, 465 (*pharmacol*)

Hydroxindasol, INN **H-00105**

3-(2-Aminoethyl)-1-[(4-methoxyphenyl)methyl]-2-methylindol-5-ol, 9CI. Presid

[7008-15-3]



$C_{19}H_{22}N_2O_2$ M 310.395

Psychostimulant, serotonin antagonist.

B,HCl: [24353-32-0]. Mp 253-254°.

Ac: [7008-14-2]. ***Hydroxindasate, INN.***

$C_{21}H_{24}N_2O_3$ M 352.432

Serotonin antagonist, diuretic.

B.P., 859 223, (*1961*); *CA*, **55**, 15510c (*synth, pharmacol*)
Aledort, L.M. *et al, Platelets Thromb. Proc. Symp.*, 1972, 149 (*pharmacol*)

***N*-Hydroxyacetamide,** 9CI **H-00106**

Acetohydroxamic acid, *8CI, INN,* ***USAN.*** *N-Acetylhydroxylamine. Acethydroximic acid. Lithostat. Uronefrex*

[546-88-3]

$H_3CCONHOH$

$C_2H_5NO_2$ M 75.067

Urease inhibitor. Hygroscopic cryst. Mp 89-92°. pK_a 7.55. Reduces $NH_3.AgNO_3$.

▷Exp. teratogen. AK8157000.

Hoffman, C., *Ber*, 1889, **22**, 2854 (*synth*)
Staab, H.A. *et al, Chem. Ber.*, 1962, **95**, 1275 (*synth*)
Fishbein, W.N. *et al, Anal. Biochem.*, 1969, **28**, 13 (*synth*)
Bracher, B.H. *et al, Acta Crystallogr., Sect. B*, 1970, **26**, 1705 (*cryst struct*)
Coppi, G. *et al, Arzneim.-Forsch.*, 1970, **20**, 384 (*use*)
Fishbein, W.N. *et al, J. Pharmacol. Exp. Ther.*, 1973, **186**, 173 (*metab*)
Sosnovsky, G. *et al, Synthesis*, 1980, 654 (*synth*)
Putcha, L. *et al, Drug Metab. Dispos.*, 1984, **12**, 438 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12310.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 87.

2-Hydroxyacetophenone, 8CI H-00107

2-Hydroxy-1-phenylethanone, 9CI. Phenacyl alcohol. Acetophenone alcohol. Benzoylcarbinol. Glycolophenone
[582-24-1]

$PhCOCH_2OH$

$C_8H_8O_2$ M 136.150
Prisms (pet. ether), plates (EtOH). Mp 89.5-90.5° (anhyd.), 73-74° (hydrate). Bp_{11} 118-120°.

Oxime: [25070-24-0].
$C_8H_9NO_2$ M 151.165
Mp 70°.

2,4-Dinitrophenylhydrazone: Red prisms. Mp 233-236°.

Ac: [2243-35-8].
$C_{10}H_{10}O_3$ M 178.187
Mp 49°. Bp 270°, Bp_2 110-114°.

2,2-Dimethylpropanoyl: [2522-81-8]. *Phenacyl pivalate.* ***Pibecarb, INN.*** *Capistan.*
$C_{13}H_{16}O_3$ M 220.268
Antihaemorrhagic agent, capillary protective. Mp 62-63°.

Me ether: [4079-52-1]. *2-Methoxyacetophenone, 8CI. ω-Methoxyacetophenone.*
$C_9H_{10}O_2$ M 150.177
Mp 7-7.5°. Bp 228-230°, Bp_{15} 118-120°.

Me ether, 2,4-dinitrophenylhydrazone: Mp 191-192° (161-162°).

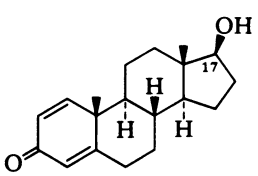
Me ether, oxime: [22233-79-0]. Mp 96°.

Et ether: [14869-39-7]. *2-Ethoxyacetophenone. 2-Ethoxy-1-phenylethanone, 9CI.*
$C_{10}H_{12}O_2$ M 164.204
Bp_{10} 123-125°.

Isopropyl ether: [17051-28-4]. *2-Isopropoxyacetophenone. 2-(1-Methylethoxy)-1-phenylethanone, 9CI.*
$C_{11}H_{14}O_2$ M 178.230
Bp_2 87-88°.

Wolff, L., *Justus Liebigs Ann. Chem.*, 1912, **394**, 42 (*synth*)
U.S.P., 2 892 865, (*1959*); *CA*, **53**, 19980f (*synth, pharmacol, Pibecarb*)
Pascal, Y.L., *Ann. Chim. (Paris)*, 1968, **3**, 245 (*synth, pmr*)
Cazes, B. *et al*, *Tetrahedron*, 1979, **25**, 2655 (*synth, deriv*)
Rabbin, M.A., *Org. Mass Spectrom.*, 1980, **15**, 195 (*ms*)
Moriarty, R.M. *et al*, *J. Org. Chem.*, 1987, **52**, 150 (*deriv, synth, pmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 732.

17-Hydroxy-1,4-androstadien-3-one, 9CI H-00108



$C_{19}H_{26}O_2$ M 286.413

17β-form [846-48-0]
Boldenone, BAN, INN. *1-Dehydrotestosterone*
Isol. from scent gland of *Ilybius fenestratus*. Anabolic steroid. Cryst. Mp 163.5-166.5°. $[\alpha]_D^{15}$ +25° ($CHCl_3$).

17-(10-Undecenoyl): [13103-34-9]. ***Boldenone undecylenate, USAN.*** *Boldane. Equipoise. Parenabol. Vebonol. Ba 29038.*
$C_{30}H_{44}O_3$ M 452.676
Anabolic steroid. Yellow oil. $[\alpha]_D^{27}$ +26.9° (c, 1.27 in dioxan).

Inhoffen, H.H. *et al*, *Chem. Ber.*, 1940, **73**, 451 (*synth*)
Meystre, C. *et al*, *Helv. Chim. Acta*, 1956, **39**, 734 (*synth*)
Belg. Pat., 616 410, (*1962*); *CA*, **59**, 719 (*deriv*)
Edgren, R.A., *Acta Endocrinol. Suppl.*, 1963, **87**, 21 (*pharmacol*)
Ohrt, J.M. *et al*, *Acta Crystallogr.*, 1965, **19**, 479 (*cryst struct*)
Schildknecht, H. *et al*, *Chem. Ber.*, 1969, **102**, 1859 (*isol*)
Galletti, F. *et al*, *Steroids*, 1971, **18**, 39 (*metab*)
Michnowicz, J. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 765 (*ms*)
Bucourt, R. *et al*, *Bull. Soc. Chim. Fr.*, 1978, 33 (*synth*)
Hall, L.D. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 5703 (*pmr*)
Hickey, J.P. *et al*, *J. Magn. Reson.*, 1980, **38**, 501 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12450.

17-Hydroxy-3-androstanone H-00109

$C_{19}H_{30}O_2$ M 290.445

(5α,17α)-form [571-24-4]
epi-*Dihydrotestosterone*
Cryst. (MeOH). Mp 180°.

(5α,17β)-form [521-18-6]
Dihydrotestosterone. ***Androstanolone, INN.*** *Stanolone, BAN. Anabolex. Androlone. Neoprol. Stanaprol*
Androgen, anabolic steroid. Cryst. (EtOAc/hexane). Mp 181°. $[\alpha]_D^{20}$ +32.4° (EtOH).
▷BV8052000.

17-Benzoyl: [1057-07-4]. *17-(Benzoyloxy)androstan-3-one, 9CI.* ***Stanolone benzoate.*** *Androstanolone benzoate. Ermalone-Amp.. Hermalone. Sarcosan.*
$C_{26}H_{34}O_3$ M 394.553
Anabolic. Mp 199-201°. $[\alpha]_D$ +75° (EtOH).
▷BV8058500.

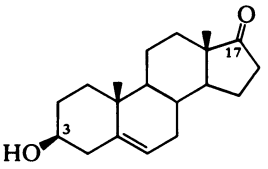
17-Heptanoyl: [33776-88-4]. *17-[(1-Oxoheptyl)oxy]-androstan-3-one, 9CI.* ***Androstanolone enanthate.*** *Anaboleen Depot. Amp..*
$C_{26}H_{42}O_3$ M 402.616
Anabolic.

17-Pentanoyl: [26271-72-7]. *17-[(1-Oxopentyl)oxy]-androstan-3-one, 9CI.* ***Stanolone valerate.*** *Androstanolone valerate. Apeton.*
$C_{24}H_{38}O_3$ M 374.562
Anabolic.

17-Propanoyl: [855-22-1]. *17-(1-Oxopropoxy)-androstan-3-one, 9CI.* ***Androstanolone propionate.***
$C_{22}H_{34}O_3$ M 346.509
Anabolic.
▷BV8060300.

Ruzicka, A.L. *et al*, *Helv. Chim. Acta*, 1936, **19**, 99.
Ohrt, J.M. *et al*, *Acta Cryst.*, 1965, **19**, 479 (*cryst struct, derivs*)
Bridgeman, J. *et al*, *J. Chem. Soc. (C)*, 1970, 250 (*pmr*)
Ger. Pat., 2 008 538, (*1970*); *CA*, **75**, 151981 (*heptanoate*)
Clegg, A.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 492 (*synth*)
Delaroff, V. *et al*, *Bull. Soc. Chim. Fr.*, 1972, 277 (*benzoate*)
Courseille, C. *et al*, *Cryst. Struct. Commun.*, 1973, **2**, 441 (*cryst struct*)
Mainwaring, W.I.P. *et al*, *Adv. Exp. Med. Biol.*, 1973, **36**, 197 (*rev*)
Chaudry, M.A.Q. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 882 (*pharmacol, derivs*)
Rizvi, S.Q.A. *et al*, *J. Org. Chem.*, 1981, **46**, 1127 (*cmr*)
Toscano, V., *Clin. Endocrinol. Metab.*, 1986, **15**, 279 (*rev, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5496.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9103.

3-Hydroxy-5-androsten-17-one H-00110



3β-form

$C_{19}H_{28}O_2$ M 288.429

3α-form [2283-82-1]

Dehydroandrosterone

Bile and urine constit. Cryst. (EtOAc). Mp 221°. $[\alpha]_D$ 0° ($CHCl_3$).

3β-form [53-43-0]

Dehydroisoandrosterone. ***Prasterone, INN.*** *Astenile. Cetovister. 17-Chetovis. Dastonil S. Deandros. Diandrone. Hormobago. 17-Hormoforin. 17-Ketovis. Mentalormon. Psicosterone*

Dimorphic. Male sex hormone. Constit. of human adrenal cortex and testicular tissue, found in urine. Possesses antidepressant and psychotonic props. Needles or leaflets. Mp 140-141°, Mp 152-153° respec. $[\alpha]_D^{18}$ +10.9° (EtOH).

▷BV8396000.

3-Sulfo: [651-48-9]. *3-(Sulfooxy)androst-5-en-17-one, 9CI.*

$C_{19}H_{28}O_5S$ M 368.487

Psychotropic.

3-Sulfo, Na salt: [1099-87-2]. ***Prasterone sodium sulfate.*** *Mylis. DHEAS.* Mp 154° dec.

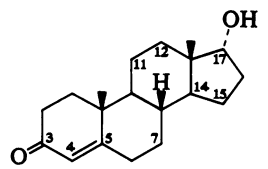
17-Heptanoyl: [23983-43-9]. *Dehydroepiandrosterone enanthate.* ***Prasterone enanthate.*** *EDHEA.*

$C_{26}H_{40}O_3$ M 400.600

Adrenocortical hormone.

Ruzicka, H. *et al, Helv. Chim. Acta*, 1936, **19**, 1410 (*synth*)
B.P., 1 246 639, (*1971*); *CA*, **75**, 130020 (*deriv*)
Oertel, G.W., *Arzneim.-Forsch.*, 1971, **21**, 543 (*pharmacol*)
Portheine, J.C. *et al, Acta Crystallogr., Sect. B*, 1972, **28**, 849 (*cryst struct*)
Hosoda, H. *et al, J. Org. Chem.*, 1973, **38**, 4209 (*synth*)
Gyory, G. *et al, Magy. Noorv. Lapja*, 1974, **37**, 451 (*isol*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1976, **12**, 459 (*rev, sulfate*)
Holland, H.L. *et al, Can. J. Chem.*, 1978, **56**, 3121 (*cmr*)
Pulver, K.P.J., *Diss. Abstr. Int. B*, 1981, **42**, 611 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9036.

17-Hydroxy-4-androsten-3-one H-00111



(17α)-form

$C_{19}H_{28}O_2$ M 288.429

17α-form [481-30-1]

epi-*Testosterone. Epitestosterone*

Constit. of human urine. Androgen. Cryst. (EtOAc). Mp 220-221°. $[\alpha]_D$ +17° ($CHCl_3$).

▷BV8395600.

Ac: [1425-09-8].

$C_{21}H_{30}O_3$ M 330.466

Cryst. (hexane). Mp 116°.

17β-form [58-22-0]

Testosterone, *INN, BAN,* ***USAN.*** *Numerous proprietary names*

Male sex hormone. Androgen. Cryst. (Me_2CO aq.). Mp 155°. $[\alpha]_D$ +109° (c, 4 in EtOH).

▷XA3030000.

Ac: [1045-69-8]. ***Testosterone acetate.*** *Aceto-Sterandryl. Aceto-Testoviron. Amolisin. Androtest* A. *Deposteron. Farmatest. Perandrone* A.

$C_{21}H_{30}O_3$ M 330.466

Androgen. Cryst. (Me_2CO aq.). Mp 140-141°. $[\alpha]_D^{20}$ +87.8° (EtOH).

17-Chloral Hemiacetal: [53608-96-1]. *17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, 9CI.* ***Cloxotestosterone.***

$C_{21}H_{29}Cl_3O_3$ M 435.817

Androgen. Cryst. (EtOAc). Mp 200-201°.

17-Chloral Hemiacetal, Ac: [13867-82-8]. ***Cloxotestosterone acetate, INN.*** *Caprosem.*

$C_{23}H_{31}Cl_3O_4$ M 477.855

Androgen. Cryst. (EtOAc). Mp 192-193°.

17-Cyclohexanecarbonyl: [14191-92-5]. ***Testosterone hexahydrobenzoate.*** *Other proprietary names.*

$C_{26}H_{38}O_3$ M 398.584

Depot-androgen. Mp 126-128°. $[\alpha]_D$ +8.8°.

▷XA3065000.

17-Cyclohexanemethoxycarbonyl: [2697-92-9]. ***Testosterone hexahydrobenzyl carbonate.*** *Testosterone cyclohexylmethylcarbonate. Lontanyl.*

$C_{27}H_{40}O_4$ M 428.611

Depot-androgen. $[\alpha]_D^{20}$ +83° (c, 0.6 in EtOH).

17-Cyclohexylpropanoyl: [2034-94-8]. ***Testosterone cyclohexylpropionate.*** *Andromar. Femolone. Telipex Retard.*

$C_{28}H_{42}O_3$ M 426.638

Depot-androgen. Mp 74.5-76°. $[\alpha]_D^{25}$ +74.9° (dioxan).

17-(3-Cyclopentylpropanoyl): [58-20-8]. ***Testosterone cypionate.*** *Testosterone cyclopentylpropionate. Numerous proprietary names.*

$C_{27}H_{40}O_3$ M 412.611

Androgen. Mp 101-102°. $[\alpha]_D^{25}$ +87° ($CHCl_3$).

▷XA3066000.

17-Decanoyl: [5721-91-5]. ***Testosterone decanoate, BAN.***

$C_{29}H_{46}O_3$ M 442.681

Depot-androgen. Cryst. (MeOH). Mp 55-57°.

(2-Furoyl): [60895-85-4]. ***Testosterone furoate.*** *Furotest.*

$C_{24}H_{30}O_4$ M 382.499

Androgen. Mp 221°. $[\alpha]_D^{27}$ +170.5° (c, 1 in EtOH).

17-Heptanoyl: [315-37-7]. ***Testosterone enanthate,*** *BAN,* ***USAN.*** *Testosterone heptanoate. Testostroval. Delatestryl. NSC 17591. Numerous proprietary names.*

$C_{26}H_{40}O_3$ M 400.600

Androgen. Mp 36-37.5°.

▷XA3080000.

17-Heptanoyl, 3-Benziloylhydrazone: [18625-33-7]. ***Testosterone enanthate benziloylhydrazone.***

$C_{40}H_{52}N_2O_4$ M 624.862

Depot-androgen. Mp 108-110°. $[\alpha]_D$ +156° (EtOH).

17-(4-Hexyloxyphenyl)propanoyl: [4838-37-3]. ***Testosterone hexyloxyphenylpropionate.*** *Andradurin.*

$C_{34}H_{48}O_4$ M 520.751

Depot-androgen. Mp 59-60°. $[\alpha]_D$ +76° (dioxan).

17-(4-Methylpentanoyl): [15262-86-9]. ***Testosterone isocaproate, BAN.*** *Testosterone 4-methylvalerate.*

$C_{25}H_{38}O_3$ M 386.573

Androgen. Mp 82-84.5°. $[\alpha]_D^{25}$ +82.3° (dioxan).

17-(2-Methylpropanoyl): [1169-49-9]. ***Testosterone isobutyrate.*** *Agovirin-Depot. Perandren* M. *Testocryst. Virex-cryst.*

$C_{23}H_{34}O_3$ M 358.520

Depot-androgen. Cryst. (Me_2CO aq.). Mp 134-136°.

17-Nicotinoyl: [668-56-4]. ***Testosterone nicotinate***. *Bolfortan. Linobol. WD 53.*
$C_{25}H_{31}NO_3$ M 393.525
Anabolic, anticatabolic.

O-(*3-Oxododecanoyl*): [5874-98-6]. *17-[(1,3-Dioxododecyl)oxy]androst-4-en-3-one, 9CI.* ***Testosterone ketolaurate, USAN, INN***. *Testosterone caprinoylacetate. Androdurin. Testosid-Depot.*
$C_{31}H_{48}O_4$ M 484.718
Androgen.

O-*Phenylacetyl:* [5704-03-0]. ***Testosterone phenylacetate***.
$C_{27}H_{34}O_3$ M 406.564
Androgen. Stout prisms. Mp 126.5-127.5°. $[\alpha]_D^{25}$ +87° (dioxan).

17-(Phenylpropanoyl): [1255-49-8]. ***Testosterone phenylpropionate, BAN***. *Testosterone hydrocinnamate.*
$C_{28}H_{36}O_3$ M 420.591
Depot-androgen. Mp 116-117°. $[\alpha]_D^{25}$ +86.8° (dioxan).
▷XA3105000.

17-Phosphate: [1242-14-4]. ***Testosterone phosphate***. *Telipex aquosum.*
$C_{19}H_{29}O_5P$ M 368.409
Androgen. Cryst. (MeOH aq.). Mp 139-142°. $[\alpha]_D^{20}$ +75° ($CHCl_3$/MeOH).

17-Propanoyl: [57-85-2]. *17-(1-Oxopropoxy)androst-4-en-3-one, 9CI.* ***Testosterone propionate, BAN, USAN***. *Propionyltestosterone. Synandrol. NSC 9166. Numerous proprietary names.*
$C_{22}H_{32}O_3$ M 344.493
Androgen. Antitumour agent. Stout prisms (EtOH aq.). Mp 118-122°. $[\alpha]_D^{25}$ +90° (dioxan).
▷XA3115000.

O-*Trimethylsilyl:* [5055-42-5]. *17β-[(Trimethylsilyl)oxy]androst-4-en-3-one, 9CI.* ***Silandrone, USAN, INN***. *NSC 95147. SC 16148.*
$C_{22}H_{36}O_2Si$ M 360.611
Androgen. Cryst. (hexane). Mp 133-135°. $[\alpha]_D^{25}$ +69° (c, 1 in $CHCl_3$).

17-Undecanoyl: [5949-44-0]. ***Testosterone undecanoate, BAN***. *Andriol. Androxon. Panteston. Restandol. Undestor.*
$C_{30}H_{48}O_3$ M 456.707
Depot-androgen.

(9β,10α,17β)-form [571-41-5]
Cryst. (Et_2O at −25°). Mp 155-156°. $[\alpha]_D^{23}$ −154° ($CHCl_3$).
▷BV8396600.

Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1936, **19**, 99, 842, 1141.
Mooradian, A. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3372 (*furoate*)
Rosenkranz, G. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4077 (*hexahydrobenzoate*)
Ott, A.C. *et al*, *J. Clin. Endocrinol. Metab.*, 1952, **12**, 3, 15 (*cypionate*)
Dekanski, J. *et al*, *Br. J. Pharmacol.*, 1953, **8**, 271 (*phenylpropionate*)
Ger. Pat., 896 805, (*1953*); *CA*, **52**, 10229e (*cypionate*)
B.P., 719 402, (*1954*); *CA*, **50**, 1938 (*phenylpropionate*)
Voss, H.E. *et al*, *Arzneim.-Forsch.*, 1955, **5**, 208, 211 (*ketolaurate*)
Gould, D. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4472 (*esters*)
B.P., 776 830, (*1957*); *CA*, **52**, 466 (*isocaproate*)
Levis, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1957, **112**, 150 (*furoate*)
U.S.P., 2 842 567, (*1958*); *CA*, **53**, 456 (*ketolaurate*)
U.S.P., 2 904 562, (*1959*); *CA*, **54**, 3529 (*hexyloxyphenylpropionate*)
Weichsel, H. *et al*, *Monatsh. Chem.*, 1961, **92**, 667 (*nicotinate*)
Fr. Pat., M1215 (*1962*); *CA*, **58**, 566 (*hexahydrobenzylcarbonate*)
Borrevang, P., *Acta Chem. Scand.*, 1962, **16**, 883 (*cloxotestosterone*)
B.P., 920 750, (*1963*); *CA*, **61**, 3172 (*cloxotestosterone*)
Gleason, C.H. *et al*, *J. Med. Chem.*, 1964, **7**, 573 (*hydrazone*)
Korenman, S.G. *et al*, *J. Biol. Chem.*, 1964, **239**, 1004 (*isol*)
Leibetseder, J. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 474 (*nicotinate*)
Chang, E. *et al*, *J. Med. Chem.*, 1966, **9**, 433 (*silandrone*)
Overhänsli, W.E. *et al*, *Helv. Chim. Acta*, 1967, **50**, 53 (*cryst struct*)
Grant, J.K., *Pfizer Med. Monogr.*, 1971, **6**, 193 (*rev*)
Saucy, G. *et al*, *Helv. Chim. Acta*, 1971, **54**, 2517 (*synth*)
Isaacs, N.W. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 2335 (*cryst struct*)
Weeks, C.M. *et al*, *Cryst. Struct. Commun.*, 1972, **1**, 79 (*silandrone*)
Goncharova, N.M. *et al*, *Khim.-Farm. Zh.*, 1973, **7**, 27 (*esters*)
Roberts, P.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 1978 (*cryst struct*)
Zborucki, Z., *Rocz. Chem.*, 1973, **47**, 2247 (*esters*)
Brooks, R.V., *Clin. Endocrinol. Metab.*, 1975, **4**, 503 (*rev*)
Florey, K., *Anal. Profiles Drug Subst.*, 1975, **4**, 452 (*rev, enanthate*)
Hanson, J.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 1956 (*cryst struct*)
Eder, U., *Chem. Ber.*, 1976, **109**, 2954 (*synth*)
Quilliam, M.A. *et al*, *Steroids*, 1977, **29**, 579 (*silandrone*)
Lissel, M. *et al*, *Synth. Commun.*, 1981, **11**, 545 (*silandrone*)
Rizvi, S.Q.A. *et al*, *J. Org. Chem.*, 1981, **46**, 1127 (*cmr*)
Ramirez, F. *et al*, *J. Org. Chem.*, 1983, **48**, 1417 (*phosphate*)
Herz, J.E. *et al*, *Steroids*, 1985, **46**, 947 (*isobutyrate*)
Ihara, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 117 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5458, 6726, 7474, 7591, 7680 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9108, 9109, 9110, 9111, 9112, 9113, 9114, 9115, 9116.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1010.

2-Hydroxybenzoic acid, 9CI H-00112

Salicylic acid. Numerous proprietary names
[69-72-7]



$C_7H_6O_3$ M 138.123
Occurs in form of esters in essential oils and plant prods. eg. oil of wintergreen. Used as an antiseptic and antifungal agent, and for various skin conditions. Keratolytic. Simple esters are perfumery and flavouring ingredients. Needles (H_2O). Mod. sol. H_2O. Mp 159°. Bp_{20} 211°. pK_a 3.0. Steam volatile. Subl. *in vacuo*.
▷VO0525000.

Diethylamine salt (1:1): [4419-92-5]. *Aciphen. Alesal. Gallisal. Mysal. Ponostop. Rheumatidermol.* Antirheumatic. Antipyretic. Mp 87-90°.

Imidazole salt (1:1): [36364-49-5]. *Imidazole salicylate, INN. Imidazate. Salizolo. Selezen. ITF 182.* Antiinflammatory, analgesic, antipyretic and antithrombotic.

Lysine salt (1:1): [57282-48-1]. *Verpyran.* Antipyretic.

N-*Methylglucamine salt (1:1):* [23277-50-1]. *Meglumine salicylate. PFA 186.* Analgesic.

2,2′,2″-Nitrilotriethanol salt (1:1): [2174-16-5]. *Aspercreme. Aspergel. Mobisyl. Myoflex. Royflex. Sal-Rub.* Antirheumatic and analgesic.

2-Pyridinecarboxamide salt (1:1): [66634-12-6]. *Nicotinamide salicylate. Niksalin.* Analgesic, antiinflammatory and antipyretic. Mp 132-134°.

Na salt: [54-21-7]. *Numerous proprietary names.*
Antipyretic and antineuralgic. Cryst. Other metal salts of salicylic acid are used; mainly as analgesics and antiinflammatory agents e.g. Magnesium salicylate, USAN.
▷VO5075000.

Me ester: see Methyl 2-hydroxybenzoate, M-00261

Et ester: [118-61-6]. ***Ethyl salicylate***. *Mesotol. Sal ethyl. Salstan.*
$C_9H_{10}O_3$ M 166.176
Has been used as a vet. counterirritant. Antirheumatic. Liq. Mp 1.3°. Bp 231-235°.
▷VO3000000.

4-(Acetylamino)phenyl ester: [118-57-0]. ***Acetaminosalol, INN***. *Acetamidosalol. Acetaminosal. Acetylparaminosalol. Asalphen. Cetosal. Cetosalol. Phenetsal. Phenosol. Salophen.*
$C_{15}H_{13}NO_4$ M 271.272
Analgesic, antipyretic and antirheumatic. Cryst. (EtOH). Mp 187°.

2-Carboxyphenyl ester: see Salicyloylsalicylic acid, S-00015

Choline ester: [2016-36-6]. ***Choline salicylate, INN, JAN***. *Other proprietary names.*
$C_{12}H_{19}NO_4$ M 241.286
Analgesic, antipyretic. V. hygroscopic. Mp 49.5-50°. Used in combination with $MgSO_4$, Salcolex, USAN.
▷GA6475000.

2,4-Dinitrobenzyl ester: Mp 168°.

2-Hydroxyethyl ester: [87-28-5]. ***Glycol salicylate***. *Dolo-gel. Dolunguent. Espirosal. Glysal. Kytta-Gel. Rheumacyl. Saliment. Salocolum. Sarocol. Spirosal. GL 7.*
$C_9H_{10}O_4$ M 182.176
Counterirritant and antirheumatic. Bp_{12} 169-172°.

Methoxymethyl ester: [575-82-6]. ***Methoxymethyl salicylate***. *Ericin. Mesotan. Metoxal. Salimethyl. Salmester.*
$C_9H_{10}O_4$ M 182.176
Antirheumatic and counterirritant. Bp_{32} 153°, $Bp_{0.01}$ 65°.

Tetrahydrofurfuryl ester: [2217-35-8]. ***Thurfyl salicylate***.
$C_{12}H_{14}O_4$ M 222.240
Topical analgesic. $Bp_{0.05}$ 106°.

Chloride: [1441-87-8].
$C_7H_5ClO_2$ M 156.568
Needles. Mp 19-19.5°. Bp_{15} 92°.

Amide: [65-45-2]. *2-Hydroxybenzamide, 9CI.* ***Salicylamide, INN***. *Numerous proprietary names.*
$C_7H_7NO_2$ M 137.138
Analgesic. White or sl. pink cryst. Mp 140°.
▷VN6475000.

Amide, Et ether: [938-73-8]. *2-Ethoxybenzamide, 9CI.* ***Ethenzamide, INN***. *Etenzamide. Other proprietary names.*
$C_9H_{11}NO_2$ M 165.191
Analgesic. Cryst. (EtOAc/hexane). Mp 132-134°.
▷CV4900000.

Amide, Ethoxyethyl ether: see 2-(2-Ethoxyethoxy)-benzamide, E-00164

Anilide: [87-17-2]. *2-Hydroxy-N-phenylbenzamide, 9CI.* ***Salicylanilide***. *Ansadol. Hyanilid. Salifebrin. Salinidol. ASK.*
$C_{13}H_{11}NO_2$ M 213.235
Antipyretic and topical antifungal agent. Prisms (H_2O). Mp 135.8-136.2°.

Nitrile: [611-20-1]. *2-Cyanophenol.*
C_7H_5NO M 119.123
Prisms (C_6H_6/pet. ether). Mp 98°.

Ac: see 2-Acetoxybenzoic acid, A-00026

Benzoyl: [4578-66-9].
$C_{14}H_{10}O_4$ M 242.231
Needles. Mp 132°.

4-Nitrobenzyl: Yellow cryst. (MeOH). Mp 205°.

Me ether: see 2-Methoxybenzoic acid, M-00196

Et ether: [134-11-2]. *2-Ethoxybenzoic acid.*
$C_9H_{10}O_3$ M 166.176
Mp 19.3-19.5°.

3-Hydroxy-1-propanesulfonate: see Sulprosal, S-00260

O-*AC*, N-(*diethylaminobutyl*): [24353-45-5]. ***Dibusadol, INN***.
$C_{17}H_{26}N_2O_3$ M 306.404
Analgesic.

Org. Synth., Coll. Vol. **4**, 178 (*derivs*)
Brewster, R.Q., *J. Am. Chem. Soc.*, 1918, **40**, 1136 (*Acetaminosalol*)
Weizmann, C. *et al*, *J. Org. Chem.*, 1948, **13**, 796 (*Glycol salicylate*)
Reichert, B., *Arzneim.-Forsch.*, 1953, **3**, 255 (*Salicylamide*)
B.P., 774 635, (*1957*); *CA*, **51**, 16564 (*Etosalamide*)
Liberman, S. *et al*, *Bull. Soc. Chim. Fr.*, 1958, 185 (*Salicylanilide*)
Ritschel, W., *Pharm. Acta Helv.*, 1959, **34**, 195 (*Diethylamine salt*)
Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 3728 (*Ethenzamide*)
Kurbjuweit, H.G. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 820 (*Ethenzamide*)
Winstead, M.B. *et al*, *J. Chem. Eng. Data*, 1962, **7**, 265 (*Etosalamide*)
Belg. Pat., 625 146, (*1963*); *CA*, **60**, 1659 (*Dibusadol*)
Bouvet, P. *et al*, *Ann. Pharm. Fr.*, 1963, **21**, 87 (*Choline salicylate*)
Cummings, A.J. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 212 (*Etosalamide*)
Netherlands Pat., 6 504 517, (*1965*); *CA*, **64**, 8097 (*Acetaminosalol*)
Wragg, R.T., *J. Chem. Soc.*, 1965, 7162 (*Thurfyl salicylate*)
Kametani, T. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 613 (*Choline salicylate*)
Smith, M.J.H. *et al*, *The Salicylates: a Critical Biographical Review*, 1967, Wiley, London.
B.P., 1 220 447, (*1971*); *CA*, **75**, 35462 (*Methoxymethyl salicylate*)
Ger. Pat., 1 493 954, (*1972*); *CA*, **77**, 114803 (*Meglumine salt*)
Gopalakrishna, E.M. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2917 (*Ethenzamide*)
Dardoize, F. *et al*, *Synthesis*, 1977, 567 (*Methoxymethyl salicylate*)
Legheand, J. *et al*, *Ann. Pharm. Fr.*, 1977, **35**, 387 (*Ethenzamide*)
Goldsmith, L.A., *Int. J. Dermatol.*, 1979, **18**, 32 (*rev, pharmacol*)
Levy, G., *Drug Metab. Rev.*, 1979, **9**, 1 (*rev, metab*)
Erickson, S.H., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1982, **20**, 500 (*rev*)
Pagella, P.G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 716 (*Imidazole salt*)
Brune, K. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1060 (*rev, pharmacol*)
Shibasaki, J. *et al*, *J. Pharmacobio.-Dyn.*, 1984, **7**, 804 (*Salicylamide, Ethenzamide*)
Kashino, S. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 457 (*Salicylanilide*)
Piccolo, O. *et al*, *Tetrahedron*, 1986, **42**, 885 (*Salicylanilide*)
Szirmai, E. *et al*, *CA*, 1986, **104**, 141908 (*Niksalin*)
Hazards in the Chemical Laboratory, (*Bretherick, L., Ed.*), 3rd Ed., Royal Society of Chemistry, London, 1981, 188
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 368, 645, 663, 1211, 3475 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2602, 2625, 2641, 2642, 2656, 2663, 2664, 2700, 2701, 2705, 2708, 12707.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 400, 962, 989.

4-Hydroxybenzoic acid, 9CI H-00113

[99-96-7]

$C_7H_6O_3$ M 138.123

Prisms (xylene/EtOH), cryst. + $1H_2O$ (EtOH aq. or Me_2CO/EtOH). Mp 213-214°. pK_a 6.25 (25°, 50% EtOH aq.).

▷DH1925000.

Me ester: [99-76-3]. *Methyl 4-hydroxybenzoate.* ***Methylparaben.*** *Methyl parasept. Nipagin* M. *Tegosept* M.
$C_8H_8O_3$ M 152.149
Food and drug preservative. Needles (EtOH aq.). Mp 131° (127-129°). Bp 270-280° dec. Used as Na salt.

▷Allergen. DH2450000.

Et ester: [120-47-8]. ***Ethylparaben, INN, USAN.*** *Ethyl 4-hydroxybenzoate. Ethyl butex. Ethyl chemosept. Ethyl parasept. Mekkings* E. *Mycocten. Nipagin* A. *Solbrol* A. *Tegosept* E.
$C_9H_{10}O_3$ M 166.176
Pharmaceutical aid, antifungal agent. Preservative. Cryst. Mp 116°. Bp 297-298° dec.

▷Allergen. DH2190000.

Propyl ester: [94-13-3]. *Propyl 4-hydroxybenzoate.* ***Propylparaben, USAN.*** *Chemocide PK. Nipasol. Solbrol* P. *Propyl parasept.*
$C_{10}H_{12}O_3$ M 180.203
Pharmaceutical aid, antifungal agent, used in vaccines and ointments. Mp 96-97°.

▷DH2800000.

Butyl ester: [94-26-8]. *Butyl 4-hydroxybenzoate.* ***Butylparaben.*** *Butoben. Butyl chemosept. Butyl parasept. Tegosept* B.
$C_{11}H_{14}O_3$ M 194.230
Pharmaceutical aid, antifungal agent. Mp 68-69°.

▷DH1980000.

Ac: [2345-34-8]. *4-Acetoxybenzoic acid.*
$C_9H_8O_4$ M 180.160
Plates (C_6H_6). Mp 187-187.5°.

Amide: [619-57-8]. *4-Hydroxybenzamide.*
$C_7H_7NO_2$ M 137.138
Needles + $1H_2O$ (H_2O). Mp 162°.

Nitrile: [767-00-0]. *4-Hydroxybenzonitrile. 4-Cyanophenol.*
C_7H_5NO M 119.123
Mp 113°.

▷DI4375000.

Et ether: [619-86-3]. *4-Ethoxybenzoic acid.*
$C_9H_{10}O_3$ M 166.176
Needles. Mp 195-196°.

O-β-D-*Glucopyranosyl: 4-Glucosyloxybenzoic acid.*
$C_{13}H_{16}O_8$ M 300.265
Isol. from pollen of *Pinus* spp. Needles (H_2O). Mp 211-212°. $[\alpha]_D^{21}$ −81.4° (H_2O).

King, L.C. *et al, J. Am. Chem. Soc.*, 1945, **67**, 2089.
Pearl, I.A., *J. Org. Chem.*, 1947, **12**, 85.
Strohl, M.J. *et al, Phytochemistry*, 1965, **4**, 383 (*glucoside*)
Kaemmerer, H. *et al, Spectrochim. Acta, Part A*, 1968, **24**, 2059 (*uv*)
Exner, O. *et al, Collect. Czech. Chem. Commun.*, 1970, **35**, 1371; 1971, **36**, 534 (*ir*)
Scott, K.N., *J. Magn. Reson.*, 1970, **2**, 361; *J. Am. Chem. Soc.*, 1972, **94**, 8564 (*pmr, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6632, 6648, 6651, 6665.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 863, 1186, 1560, 2018 (*synonyms, esters*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 733.

7-Hydroxy-2*H*-1-benzopyran-2-one, 9CI H-00114

7-Hydroxycoumarin. ***Umbelliferone.*** *Hydrangin. Skimmetin*

[93-35-6]

$C_9H_6O_3$ M 162.145

Occurs widely in plants including, *Angelica, Artemesia, Coronilla, Ferula* and *Ruta* spp. Phytoalexin of infected sweet potato. Used in sunscreen lotions and creams. Cryst. (toluene), needles (H_2O), yellow cryst. (EtOH aq.). Mp 230-232° (223-224°, 227-228°).

▷GN6820000.

Ac: [10387-49-2].
$C_{11}H_8O_4$ M 204.182
Prisms or needles (H_2O). Mp 140°.

Benzoyl: [31005-05-7].
$C_{16}H_{10}O_4$ M 266.253
Cryst. (AcOH). Mp 16°.

β-D-*Glucopyranosyl:* [93-39-0]. ***Skimmin.***
$C_{15}H_{16}O_8$ M 324.287
Occurs widely in plants, e.g. *Skimmia japonica* (1884). Mp 219-221°. $[\alpha]_D^{18}$ −79.8° (Py).

Me ether: [531-59-9]. *7-Methoxy-2*H*-1-benzopyran-2-one, 9CI. 7-Methoxycoumarin.* ***Herniarin.*** *Umbelliferone methyl ether. Ayapanin.*
$C_{10}H_8O_3$ M 176.171
Present in leaves of certain plants such as *Herniaria histuta* and *Eupatorium azapana.* Leaflets (H_2O or MeOH). Mp 117-118°.

Et ether: [31005-02-4]. *7-Ethoxy-2*H*-1-benzopyran-2-one.*
$C_{11}H_{10}O_3$ M 190.198
Plates. Mp 88°.

(3-Methyl-2-butenyl) ether: [10387-50-5]. *7-(3,3-Dimethylallyloxy)coumarin. 7-Isopentenyloxycoumarin.*
$C_{14}H_{14}O_3$ M 230.263
Constit. of *Libanotis intermedia, Seseli libanotis* and *Evodia vitiflora.* Cryst. (hexane). Mp 76-77°.

(3-Carboxy-2-butenyl) ether: [16851-00-6]. ***7-(3-Carboxy-2-butenoxy)coumarin.***
$C_{14}H_{12}O_5$ M 260.246
From *E. vitiflora.* Cryst. (Me_2CO/MeOH). Mp 258-260°.

(3-Carboxybutanoyl) ether: [38971-84-5]. ***7-(3-Carboxybutoxy)coumarin.*** *2-Methyl-4[(2-oxo-2*H*-1-benzopyran-7-yl)oxy]butanoic acid, 9CI.*
$C_{14}H_{14}O_5$ M 262.262
From *E. vitiflora.* Cryst. Mp 112-115°. $[\alpha]_D$ −7.8° (c, 3 in $CHCl_3$).

Glycoside: ***Gummosinin.***
$C_{24}H_{30}O_4$ M 382.499
Isol. from *F. gummosa.* Mp 163-165°. $[\alpha]_D$ −28° ($CHCl_3$).

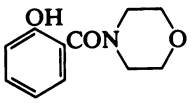
Glycoside: ***Kopetin.***
$C_{24}H_{32}O_5$ M 400.514
Isol. from *F. kopetdaghensis.* Mp 145-146°. $[\alpha]_D^{25}$ −25.4° (EtOH).

Glycoside: ***Neohydrangin.***
$C_{21}H_{26}O_{13}$ M 486.429
Isol. from *Hydrangea paniculata.* Mp 204°. $[\alpha]_D^{21}$ −130.9° (H_2O).

Sethna, S. *et al, Org. React.*, 1953, **7**, 20 (*synth*)
Sen, K. *et al, J. Org. Chem.*, 1959, **24**, 316 (*synth, uv*)
das Gupta, A.K. *et al, J. Chem. Soc. (C)*, 1969, 29 (*synth*)
Hata, K. *et al, Chem. Pharm. Bull.*, 1971, **19**, 640 (*isol*)
Lassak, E.V. *et al, Aust. J. Chem.*, 1972, **25**, 2491 (*derivs*)
González, A.G. *et al, An. Quim.*, 1973, **69**, 1013 (*pmr*)
Brown, D. *et al, Phytochemistry*, 1975, **14**, 1083 (*isol*)
Cussans, N.J. *et al, Tetrahedron*, 1975, **31**, 2719 (*cmr*)
Günther, H. *et al, Org. Magn. Reson.*, 1975, **7**, 339 (*cmr, deriv*)
Murray, R.D.H., *Prog. Chem. Org. Nat. Prod.*, 1978, **35**, 200 (*rev*)
Hardt, T.J., *Diss. Abstr. Int. B*, 1982, **43**, 1445 (*pharmacol*)
Ritschel, W.A. *et al, Arzneim.-Forsch*, 1983, **33**, 836 (*metab*)
Joseph-Nathan, P. *et al, J. Heterocycl. Chem.*, 1984, **21**, 1141 (*pmr, deriv*)
Abu-Eittah, R.H. *et al, Can. J. Chem.*, 1985, **63**, 1173 (*uv*)
Ueno, K., *Acta Crystallogr., Sect. C*, 1985, **41**, 1786 (*cryst struct*)
Talapatra, B. *et al, Indian J. Chem., Sect. B*, 1986, **25**, 1122 (*synth*)

4-(2-Hydroxybenzoyl)morpholine, 9CI H-00115

4-Salicyloylmorpholine, 8CI. Morpholinyl salicylamide. Salicyl morpholide. Deposal. Retarcyl. Tardisal. L 1102
[3202-84-4]

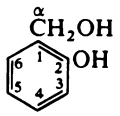


$C_{11}H_{13}NO_3$ M 207.229
Analgesic, antipyretic and choleretic agent. Cryst. (EtOH). Mp 177°.

Fr. Pat., M1150, (*1962*); *CA*, **58**, 2458 (*synth, pharmacol*)
Gilbert, J. *et al, Bull. Soc. Chim. Fr.*, 1962, 1180 (*synth*)
U.S.P., 3 265 575, (*1966*); *CA*, **65**, 13729 (*synth, pharmacol*)

2-Hydroxybenzyl alcohol H-00116

2-Hydroxybenzenemethanol, 9CI. ***Salicyl alcohol, USAN.*** *α,2-Dihydroxytoluene. o-Hydroxymethylphenol. Diathesin. Salicain. Saligenin. Saligenol*
[90-01-7]



$C_7H_8O_2$ M 124.139
Local anaesthetic and antiinflammatory agent. Needles or plates (H_2O or Et_2O). d^{25} 1.16. Mp 87°. Sublimes at 100°.

▷DO6430000.

Di-Ac: [1575-87-7].
$C_{11}H_{12}O_4$ M 208.213
Bp_{11} 162-164°.

Dibenzoyl:
$C_{21}H_{16}O_4$ M 332.355
Needles (MeOH aq.). Mp 85°.

α-Me ether: [5635-98-3]. *2-(Methoxymethyl)phenol, 9CI.*
$C_8H_{10}O_2$ M 138.166
Bp_{40} 128-130°.

2-Me ether: [612-16-8]. *2-Methoxybenzyl alcohol.*
$C_8H_{10}O_2$ M 138.166
Bp 248-250°, Bp_8 119°. n_D^{21} 1.5470.

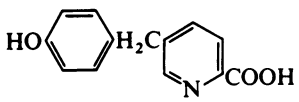
2-Me ether, Ac: [35480-25-2].
$C_{10}H_{12}O_3$ M 180.203
Bp_{12} 130°.

Di-Me ether: [21998-86-7]. *1-Methoxy-2-(methoxymethyl)benzene.*
$C_9H_{12}O_2$ M 152.193
Bp 229-230°.

Shannon, J.S., *Aust. J. Chem.*, 1962, **15**, 265 (*ms*)
Hansch, C. *et al, J. Med. Chem.*, 1970, **13**, 957 (*props*)
Yoon, N.M. *et al, J. Org. Chem.*, 1973, **38**, 2786 (*synth, pmr*)
Nagata, W. *et al, Chem. Pharm. Bull.*, 1975, **23**, 2867 (*synth*)
Vejdělek, Z. *et al, Collect. Czech. Chem. Commun.*, 1987, **52**, 2545 (*2-Methoxybenzyl alcohol*)

5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid H-00117

5-[(4-Hydroxyphenyl)methyl]-2-pyridinecarboxylic acid, 9CI. ***Phenopicolinic acid***
[56153-30-1]



$C_{13}H_{11}NO_3$ M 229.235
Isol. from culture filtrates of the fungus *Paecilomyces.* Dopamine β-hydroxylase inhibitor; strong hypotensive action. Mp 222-226°.

B.P., 1 452 728, (*1975*); *CA*, **86**, 104446s
Nakamura, T. *et al, J. Antibiot.*, 1975, **28**, 477.

4-Hydroxybutanoic acid, 9CI H-00118

4-Hydroxybutyric acid, 8CI
[591-81-1]

$HOH_2C(CH_2)_2COOH$

$C_4H_8O_3$ M 104.105
Liq. at −17° which lactonises above this temp. pK_a 4.71.

Na salt: [502-85-2]. *Sodium oxybate. Anetamin. Gamanest. Gioron. Somsanit. NSC 84223. WY 3478.* Adjunct to anaesthesia. Hypnotic. Putative neurotransmitter. Cryst. (EtOH). Mp 145-146°.

▷ET4750000.

Ac: [26976-72-7]. *4-Acetoxybutanoic acid.* ***Aceburic acid, INN.***
$C_6H_{10}O_4$ M 146.143
Analgesic. Sol. H_2O. $Bp_{0.1}$ 102°. n_D^{21} 1.3375.

Benzoyl: [30436-10-3].
$C_{11}H_{12}O_4$ M 208.213
Bp_1 103-106°.

Me ether: [29006-02-8]. *4-Methoxybutanoic acid.*
$C_5H_{10}O_3$ M 118.132
Bp_7 105-105.5°.

Nitrile: 3-Cyano-1-propanol.
C_4H_7NO M 85.105
Bp 238-240°, Bp_{68} 150-151°, Bp_{30} 140°.

Nitrile, Ac:
$C_6H_9NO_2$ M 127.143
Bp 237°.

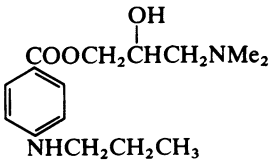
Henry, L., *Chem. Zentralbl.*, 1898, **1**, 984.
Marvel, C.S. *et al, J. Am. Chem. Soc.*, 1929, **51**, 260 (*synth*)
Palomaa, M.H. *et al, Chem. Ber.*, 1931, **64**, 797 (*ether*)
Zamarlik, H., *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1969, **269**, 1403 (*deriv*)
Muyard, J.P. *et al, Psychopharmacology (N.Y.)*, 1977, **2**, 1339 (*rev, pharmacol*)
Snead, O.C., *Life Sci.*, 1977, **20**, 1935 (*rev, pharmacol*)

Goto, G. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 4422 (*synth*)

Hydroxycaine H-00119

4-(Propylamino)benzoic acid 3-(dimethylamino)-2-hydroxypropyl ester

[3686-68-8]



$C_{15}H_{24}N_2O_3$ M 280.366

(±)-form

Local anaesthetic.

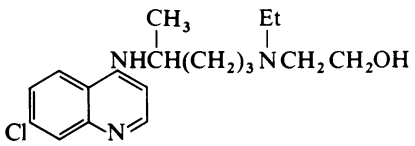
B,HCl: [4172-63-8]. *Hydroxycaine hydrochloride. Cornecaine.* Cryst. (MeOH). Mp 114-116°.

B.P., 717 516, (*1954*); *CA*, **49**, 13291 (*synth*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 297; 1967, **17**, 1491 (*pharmacol*)
Rehm, K.D. *et al*, *Pharm.-Ztg.*, 1981, **126**, 99 (*hplc*)

Hydroxychloroquine, BAN, INN H-00120

2-[[4-[(7-Chloro-4-quinolinyl)amino]pentyl]-ethylamino]ethanol, 9CI. Chloquin. Ercoquin. Oxiklorin. Plaquenil. Plaquinol. Quensyl. Reumoide. Toremonil. Win 1258-2

[118-42-3]



$C_{18}H_{26}ClN_3O$ M 335.876

▷KK3325000.

(±)-form

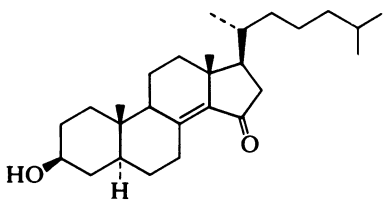
Antimalarial and lupus erythematosus suppressant. Cryst. (CH_2Cl_2/hexane). Mp 89-91°.

B,H₂SO₄: [747-36-4]. *Hydroxychloroquine sulfate, USAN.* Mp ca. 240°, Mp ca. 198°. Details of stoichiometry apparently not publ. Dimorphic.

Diphosphate: Mp 168-170°.

Surrey, A.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1814 (*synth*)
Kracmar, J., *Pharmazie*, 1974, **29**, 510 (*uv*)
Tanenbaum, L. *et al*, *Arch. Dermatol.*, 1980, **116**, 587 (*rev, pharmacol*)
McChesney, E.W., *Am. J. Med.*, 1983, **75**, 11 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1380.

3-Hydroxy-8(14)-cholesten-15-one H-00121



$C_{27}H_{44}O_2$ M 400.643

(3β,5α)-form [50673-97-7]

Colestolone, INN

Inhibitor of sterol synthesis. Hypocholesterolaemic. Cryst. (MeOH). Mp 145-146°.

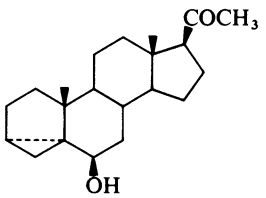
Ac:

$C_{29}H_{46}O_3$ M 442.681

Cryst. (MeOH). Mp 134-135°. $[\alpha]_D^{20}$ +118°.

Schroepfer, G.J. *et al*, *J. Biol. Chem*, 1977, **252**, 8975 (*synth*)
Anastasia, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 1821.
Schroepfer, G.J. *et al*, *Chem. Phys. Lipids*, 1979, **25**, 265 (*synth, isomer*)
Tsuda, M. *et al*, *J. Org. Chem.*, 1979, **44**, 1290 (*cmr*)
Anastasia, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 587 (*synth*)
Schroepfer, G.J. *et al*, *Biochem. Biophys. Res. Commun.*, 1988, **151**, 130.
Schroepfer, G.J. *et al*, *J. Biol. Chem*, 1988, **263**, 4098, 4110 (*metab*)

6-Hydroxy-3,5-cyclopregnan-20-one, 9CI, 8CI H-00122



$C_{21}H_{32}O_2$ M 316.483

6β-form [465-53-2]

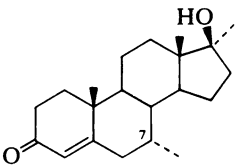
Cyclopregnol, INN. *Neurosterone*

Psychotropic agent. Needles (Me_2CO). Mp 181°. $[\alpha]_D^{24}$ +123° (c, 0.663 in $CHCl_3$).

Patel, D.K. *et al*, *J. Chem. Soc.*, 1957, 665 (*synth*)
U.S.P., 2 816 901, (*1957*); *CA*, **52**, 8223 (*synth, pharmacol*)
Goutarel, R. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 4575 (*synth*)
Protiva, J. *et al*, *Collect. Czech. Chem. Commun.*, 1968, **33**, 83 (*synth*)
Paglialunga, M. *et al*, *Tetrahedron*, 1981, **37**, 971 (*synth*)

17β-Hydroxy-7,17-dimethyl-4-androsten-3-one, 9CI, 8CI H-00123

7,17-Dimethyltestosterone



7α-form

$C_{21}H_{32}O_2$ M 316.483

7α-form [1605-89-6]

Bolasterone, USAN, INN. *Myagen. NSC 66233. U 19763*

Anabolic steroid. Androgen. Cryst. Mp 163-165°. $[\alpha]_D^{25}$ +25° ($CHCl_3$).

7β-form [17021-26-0]

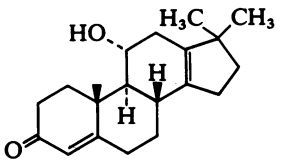
Calusterone, USAN, INN. *Methosarb. Riedemil. NSC 88536. U 22550*

Antineoplastic agent. Cryst. (Me_2CO). Mp 127-129°. $[\alpha]_D$ +57° ($CHCl_3$).

▷BV8385000.

Belg. Pat., 610 385, (*1962*); *CA*, **57**, 13832 (*synth*)
U.S.P., 3 341 557, (*1967*); *CA*, **68**, 3127 (*synth*)
Boris, A. *et al*, *Steroids*, 1970, **15**, 16 (*props*)
Baczynskyj, L. *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1243 (*ms*)
Segaloff, A. *et al*, *Steroids*, 1979, **34**, 835 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9026.

11-Hydroxy-17,17-dimethyl-18-norandrosta-4,13-dien-3-one, 9CI, 8CI H-00124



$C_{20}H_{28}O_2$ M 300.440

11α-form [33122-60-0]

Nordinone, INN

Antiandrogen. Mp 164-166°. $[\alpha]_D$ +86° (c, 1 in dioxan).

11β-form

Mp 179-180°. $[\alpha]_D$ +101° (c, 1 in dioxan).

Ger. Pat., 2 027 539, (*1971*); *CA*, **75**, 64107w (*synth, uv, ir, pharmacol*)

Galimberti, E. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 169 (*tox*)

μ-Hydroxydiphenyldimercury(1+) H-00125

Bis(phenylmercuri)oxonium ion

$[(PhHg)_2OH]^{\oplus}$

$C_{12}H_{11}Hg_2O^{\oplus}$ M 572.398 (ion)

Pharmaceutical and agricultural fungicide.

Nitrate: [77090-26-7].

$C_{12}H_{11}Hg_2NO_4$ M 634.403

Cryst. (EtOH). Spar. sol. H_2O, org. solvs. Mp 188° dec. (177-180°).

Perchlorate: Basic phenylmercury perchlorate.

$C_{12}H_{11}ClHg_2O_5$ M 671.849

Mp 196-198° dec.

Tetrafluoroborate: Basic phenylmercury tetrafluoroborate.

$C_{12}H_{13}BF_4Hg_2O_2$ M 677.217

Cryst. (Me_2CO). Mp 170° dec. Forms a hydrate.

Grave, T.B. *et al*, *J. Am. Pharm. Assoc.*, 1936, **25**, 752 (*nitrate*)

Kuivila, H.G. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 377.

Barlow, L.R. *et al*, *J. Chem. Soc.* (*A*), 1968, 1609 (*synth*)

Dutta, R.L. *et al*, *J. Inorg. Nucl. Chem.*, 1981, **43**, 1533 (*ir*)

Nicholson, B.K. *et al*, *J. Organomet. Chem.*, 1986, **306**, 139 (*synth, pmr, Hg-199 nmr, ir, cryst struct*)

Pesticide Manual, 6th Ed., 418.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6660.

3-Hydroxy-3,3-diphenylpropanoic acid H-00126

β-Hydroxy-β-phenylbenzenepropanoic acid, 9CI

[3609-48-1]

$Ph_2C(OH)CH_2COOH$

$C_{15}H_{14}O_3$ M 242.274

Me ester: [32858-84-7].

$C_{16}H_{16}O_3$ M 256.301

Cryst. (Et_2O/hexane). Mp 96-100°.

2-(Diethylamino)ethyl ester: [71205-89-5].

$C_{21}H_{27}NO_3$ M 341.449

Analgesic.

2-(Diethylamino)ethyl ester; B,HCl: [53421-38-8]. *Chinsedal. Chin Z-F.*

▷UF2066000.

Bellassoued, M. *et al*, *J. Organomet. Chem.*, 1973, **61**, 9 (*synth*)

Hara, S. *et al*, *Tetrahedron Lett.*, 1975, 1545.

Kurihara, T. *et al*, *Yakugaku Zasshi*, 1975, **95**, 1022 (*pharmacol*)

Wolinski, J. *et al*, *Acta Pol. Pharm.*, 1978, **35**, 515 (*synth, pharmacol*)

Barluenga, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 3019 (*synth, ir, pmr*)

2-Hydroxydithiobenzoic acid H-00127

2-Hydroxybenzenecarbodithioic acid, 9CI. Dithiosalicylic acid, 8CI. 2-Hydroxybenzenethionothiolic acid

[527-89-9]



$C_7H_6OS_2$ M 170.244

Anal. reagent for Ni. Orange needles (pet. ether). Mp 48-50°.

Hg salt: Thioargyrium. Antiseptic.

Mg salt: [59654-94-3]. *Dithioral.* Antirheumatic, antineuralgic.

Me ester:

$C_8H_8OS_2$ M 184.271

Mp 10-20°.

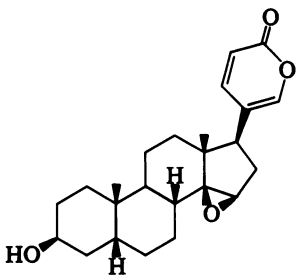
Org. Synth., Coll. Vol., **2**, 580 (*synth*)

Bost, R.W. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 25.

Weyers, J. *et al*, *Fresenius' Z. Anal. Chem.*, 1968, **235**, 418 (*use*)

Belg. Pat., 795 177, (*1973*); *CA*, **80**, 112628u (*Mg salt*)

3-Hydroxy-14,15-epoxy-20,22-bufadienolide H-00128



$C_{24}H_{32}O_4$ M 384.514

(3β,5β,14β,15β)-form [465-39-4]

Resibufogenin. ***Bufogenin,*** *INN, JAN. Resi. Respigon*

Constit.of Ch'an Su. Respiratory stimulant, cardiotonic. Cryst. (Me_2CO/hexane). Mp 108-120° and 162-166°. $[\alpha]_D$ −5° ($CHCl_3$).

▷EI2975000.

Ac:

$C_{26}H_{34}O_5$ M 426.552

Cryst. (Me_2CO). Mp 235-239°. $[\alpha]_D$ −5° ($CHCl_3$).

3-(Hydrogen suberoyl): [20987-31-9]. Constit. of Ch'an Su. Amorph.

20,21-Epoxide: Constit. of *Bufonis venenum*. Cryst. Mp 197-202°. $[\alpha]_D^{22}$ +50° (c, 0.02 in EtOH).

Kamano, Y. *et al*, *Tetrahedron Lett.*, 1968, 5673 (*isol*)

Gsell, L. *et al*, *Helv. Chim. Acta*, 1969, **52**, 551 (*pmr*)

Pettit, G.R. *et al*, *J. Org. Chem.*, 1971, **36**, 3736 (*synth*)

Brown, P. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 613 (*ms*)

Haede, W. *et al*, *Justus Liebigs Ann. Chem.*, 1973, 3 (*synth*)

Kamano, Y. *et al*, *J. Chem. Res.* (*S*), 1977, 78 (*synth*)

Kaneda, N. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 257 (*isol*)

2-Hydroxyethyl benzylcarbamate, 8CI H-00129

2-Hydroxyethyl (phenylmethyl)carbamate, 9CI. ***Buramate,*** *USAN, INN. Hyamate. AC 601. NSC 30223*

[4663-83-6]

$PhCH_2NHCOOCH_2CH_2OH$

$C_{10}H_{13}NO_3$ M 195.218
Anticonvulsant, tranquilliser. Mp 40°.

Hazard, R. *et al*, *Ann. Pharm. Fr.*, 1951, **9**, 390 (*synth, pharmacol*)
B.P., 689 705, (*1953*); *CA*, **48**, 7055f (*synth, pharmacol*)
Aurousseau, M., *Arch. Int. Pharmacodyn.*, 1960, **127**, 220 (*pharmacol*)
U.S.P., 3 184 382, (*1965*); *CA*, **65**, 5459h (*synth, pharmacol*)

N-(2-Hydroxyethyl)cinnamamide, 8CI H-00130

N-(*2-Hydroxyethyl*)-*3-phenyl-2-propenamide*, *9CI*. ***Idrocilamide, INN***. *Brolitene. Srilane. Talval. LCB 29*

[6961-46-2]

$PhCH{=}CHCONHCH_2CH_2OH$

$C_{11}H_{13}NO_2$ M 191.229
Alkaloid from leaves of *Erythrophleum chlorostachys* (Leguminosae). Muscle relaxant, antiinflammatory agent. Cryst. ($CHCl_3$/pet. ether or EtOH/pet. ether). Mp 101° (97°).

▷GD7360000.

N-*Me:* [30687-16-2]. **N-(*2-Hydroxyethyl*)-N-*methylcinnamamide***. N-(*2-Hydroxyethyl*)-N-*methyl-3-phenyl-2-propenamide*, *9CI*.
$C_{12}H_{15}NO_2$ M 205.256
Alkaloid from leaves of *E. chlorostachys* (Leguminosae). Cryst. (EtOH/pet. ether or C_6H_6). Mp 78°.

▷GD7380000.

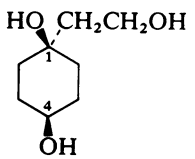
N-*Me*, p-*Hydroxy:* [35241-60-2]. **N-(*2-Hydroxyethyl*)-N-*methyl*-p-*hydroxycinnamamide***. N-(*2-Hydroxyethyl*)-*3*-(*4-hydroxyphenyl*)-N-*methyl-2-propenamide*, *9CI*.
$C_{12}H_{15}NO_3$ M 221.255
Alkaloid from leaves of *E. chlorostachys* (Leguminosae). Cryst. (EtOH). Mp 176-177°.

Behrens, O.K. *et al*, *J. Biol. Chem*, 1948, **175**, 771 (*synth*)
Griffin, W.J. *et al*, *Phytochemistry*, 1971, **10**, 2793 (*isol, ir, struct, synth*)
Grand, M. *et al*, *Eur. J. Med. Chem.*, 1974, **9**, 205 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12842.

1-(2-Hydroxyethyl)-1,4-cyclohexanediol, 9CI H-00131

Rengyol

[93675-85-5]



$C_8H_{16}O_3$ M 160.213
Constit. of crude drug "rengyo", the fruits of *Forsythia suspensa*. Cryst. (MeOH). Mp 123-124°.

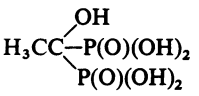
4-Epimer: [101489-38-7]. ***Isorengyol***.
$C_8H_{16}O_3$ M 160.213
Constit. of *F. suspensa*. Powder.

Endo, K. *et al*, *Can. J. Chem.*, 1984, **62**, 2011 (*isol*)
Abdallahi, H. *et al*, *Phytochemistry*, 1986, **25**, 2821 (*isol*)
Endo, K. *et al*, *Tetrahedron*, 1987, **43**, 2681 (*rel config, isomer*)
Breton, J.L. *et al*, *Tetrahedron*, 1987, **43**, 4447 (*synth*)

(1-Hydroxyethylidene)bisphosphonic acid, 9CI H-00132

Hydroxyethane-1,1-diphosphonic acid. ***Etidronic acid, BAN, USAN, INN***. *EHDP. Etidronate. Ksidifon. Xidiphone*

[2809-21-4]



$C_2H_8O_7P_2$ M 206.029
Calcification inhibitor for Paget's disease. Syrup, cryst. + $1H_2O$ (AcOH aq.). Sol. H_2O, EtOH, MeOH. Mp 105°. pK_{a1} 2.01 (1.7), pK_{a2} 3.08 (2.47), pK_{a3} 7.60 (7.28), pK_{a4} 11.96 (10.29), pK_{a5} 13.63 (11.13) (H_2O, 25°).

Di-Na salt: [7414-83-7]. *Calcimux. Didronel. Difosfen. Diphos. Diphosphonat. Etidon. HEDSPA. Sodium etidronate. Etidronate disodium*, *USAN*. Used in dentifrices.

▷JL5950000.

Tri-Na salt: [2666-14-0]. Used in dentifrices.

▷JL6650000.

Tetra-Me ester: [15207-88-2]. *Tetramethyl (1-hydroxyethylidene)bisphosphonate.*
$C_6H_{16}O_7P_2$ M 262.136
Cryst. (C_6H_6/hexane). Mp 68-71°.

Tetra-Et ester: [20427-93-4]. *Tetraethyl (1-hydroxyethylidene)bisphosphonate.*
$C_{10}H_{24}O_7P_2$ M 318.243
Liq. which isomerises on distn.

Kasparek, F., *Monatsh. Chem.*, 1968, **99**, 2016 (*synth*)
Nicholson, D.A. *et al*, *J. Org. Chem.*, 1970, **35**, 3149; 1971, **36**, 3843 (*ester, synth, P nmr*)
Blaser, B. *et al*, *Z. Anorg. Allg. Chem.*, 1971, **381**, 247 (*synth, props, P nmr*)
Strates, B.S. *et al*, *Biochim. Biophys. Acta*, 1971, **244**, 121 (*pharmacol*)
Wiers, B.H., *Inorg. Chem.*, 1971, **10**, 2581 (*salts*)
Michael, W.R. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **21**, 503 (*metab*)
Bikhman, B.I. *et al*, *Zh. Neorg. Khim.*, 1973, **18**, 2406 (*Engl. transl.* p. 1273) (*ir, salts*)
Maier, L., *Helv. Chim. Acta*, 1973, **56**, 1257 (*ester, synth, pmr, P nmr, props*)
Collins, A.J. *et al*, *J. Appl. Chem. Biotechnol.*, 1977, **27**, 651 (*props, salts*)
De Angelis, L., *Med. Actual.*, 1978, **14**, 101 (*rev, pharmacol*)
Barnett, B.L. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1212 (*cryst struct*)
Worms, K.H. *et al*, *Z. Anorg. Allg. Chem.*, 1979, **457**, 209 (*synth*)
Motekaitis, R.J. *et al*, *Inorg. Chem.*, 1980, **19**, 1646 (*props, complexes*)
Rizhalla, E.N. *et al*, *Talanta*, 1980, **27**, 715 (*complexes*)
Goeva, L.V., *Radiokhimiya*, 1982, **22**, 591 (*Engl. transl.* p. 489) (*props*)
Fonong, T. *et al*, *Anal. Chem.*, 1983, **55**, 1089 (*props*)
Van der Pol, H.J., *Pharm. Weekbl.*, 1983, **118**, 330 (*anal, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12674.

(2-Hydroxyethyl)tetradecylammonium(1+) H-00133

2-(Tetradecylamino)ethanol, *9CI*

[25737-87-5]

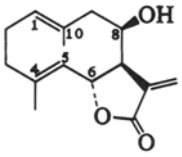
$H_3C(CH_2)_{13}NH_2^{\oplus}CH_2CH_2OH$

$C_{16}H_{36}NO^{\oplus}$ M 258.467 (ion)
Antiseptic, antiprotozoal agent.

Lactate: [15518-87-3]. ***Myralact, BAN, INN***.
$C_{19}H_{41}NO_4$ M 347.537

Kanetani, F. *et al*, *Nippon Kagaku Kaishi*, 1980, 405; *CA*, **93**, 28167d (*synth*)

8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide H-00134



$C_{15}H_{20}O_3$ M 248.321

(1(10)E,4E,6α,8β)-form [6750-25-0]

Eupatolide

Constit. of *Eupatorium formosanum* and *E. cannabinum*. Antitumour agent. Cryst. ($EtOAc/Et_2O$). Mp 187-188°. $[\alpha]_D^{22}$ +20° (c, 0.011 in Me_2CO).

Ac: [24164-13-4]. ***Epitulipinolide***.
$C_{17}H_{22}O_4$ M 290.358
Isol. from *Liriodendron tulipifera*. Cryst. (pet. ether). Mp 91-92°. $[\alpha]_D^{25}$ +75° (c, 3.2 in $CHCl_3$).

8-(2-Hydroxymethyl-2E-butenoyl): [70550-00-4].
$C_{20}H_{26}O_5$ M 346.422
Constit. of *E. serotinum*. Cryst. (MeOH). Mp 110°. $[\alpha]_D^{22}$ +47.5° (c, 0.12 in $CHCl_3$).

8-(2-Acetoxymethyl-2E-butenoyl): [70550-01-5].
$C_{22}H_{28}O_6$ M 388.460
Constit. of *E. serotinum*. Cryst. (MeOH). Mp 162-163°. $[\alpha]_D^{22}$ +90° (c, 0.14 in $CHCl_3$).

4α,5β-Epoxide, 8-tiglyl: [70527-88-7].
$C_{20}H_{26}O_5$ M 346.422
Constit. of *E. serotinum*. Cryst. (MeOH). Mp 134-135°. $[\alpha]_D^{22}$ −120° (c, 0.15 in $CHCl_3$).

2α-Acetoxy: 2α-Acetoxyeupatolide.
$C_{17}H_{22}O_5$ M 306.358
Constit. of *Mikania grazielae*. Cryst. (Et_2O/pet. ether). $[\alpha]_D^{24}$ +59° (c, 0.76 in $CHCl_3$).

8-Ac, 11β,13-Dihydroxy: 11β,13-Dihydroxyepitulipinolide.
$C_{17}H_{24}O_6$ M 324.373
Constit. of *Bartlettina karwinskiana*. Oil.

8-Ac, 11β,13-Epoxide: 11β,13-Epoxyepitulipinolide.
$C_{17}H_{22}O_5$ M 306.358
From *B. karwinskiana*. Oil.

8-Ac, 11β,13-Epoxide, 3β-Acetoxy: 3β-Acetoxy-11β,13-epoxyepitulipinolide.
$C_{19}H_{24}O_7$ M 364.394
From *B. karwinskiana*. Oil.

(1(10)E,4E,6α,8α)-form

Ac: [24164-12-3]. ***Tulipinolide***.
$C_{17}H_{22}O_4$ M 290.358
Constit. of *L. tulipifera* and *Artemesia mexicana*. Mp 181° dec. $[\alpha]_D^{25}$ +249°.

(1(10)E,4E,6β,8β)-form [88198-94-1]

Constit. of *Pegolettia senegalensis*, occurring with various esters. Cryst. Mp 130°. $[\alpha]_D^{24}$ −90° (c, 0.4 in $CHCl_3$).

Doskotch, R.W. *et al*, *J. Org. Chem.*, 1970, **35**, 1928 (*isol*)
Brozdz, B. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 1546 (*isol*)
Lee, K.-H. *et al*, *J. Pharm. Sci.*, 1972, **61**, 629 (*props*)
McPhail, A.P. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1975, 1798 (*cryst struct*)
Herz, W. *et al*, *J. Org. Chem.*, 1979, **44**, 2784 (*isol*)
Bohlmann, F. *et al*, *Phytochemistry*, 1982, **21**, 1169; 1983, **22**, 1637 (*isol*)
Gao, F. *et al*, *Phytochemistry*, 1986, **25**, 1231 (*isol*)

1-Hydroxy-2-heptanone, 9CI H-00135

Hydroxymethyl pentyl ketone

[17046-01-4]

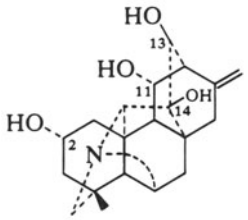
$H_3C(CH_2)_4COCH_2OH$

$C_7H_{14}O_2$ M 130.186

Used in allergy treatment. Bp_{20} 95°, Bp_{15} 95-98°.

Levene, P.A. *et al*, *J. Biol. Chem.*, 1932, **98**, 736.
Linnell, W.H. *et al*, *Q. J. Pharm. Pharmacol.*, 1939, **12**, 252; *CA*, **33**, 8571.

14-Hydroxyhetisine H-00136



$C_{20}H_{27}NO_4$ M 345.438

Ac: [1394-49-6]. ***Guan-fu base* B**.
$C_{22}H_{29}NO_5$ M 387.475
Alkaloid from the Chinese herbal drug Guan-Bai-Fu-Tzu (*Aconitum koreanum*) (Ranunculaceae). Mp 204°. $[\alpha]_D^{26.6}$ +16° ($CHCl_3$). Site of acylation (2, 11 or 13) not known.

Ac; B,HBr: Mp 257-258°.
Ac; B,$HClO_4$: Mp 255-256°.
Ac; B,MeI: Mp 317-318°.

2,11 or 2,13-Di-Ac: [1394-48-5]. ***Guan-fu base* A**.
$C_{24}H_{31}NO_6$ M 429.512
Alkaloid from Guan-Bai-Fu-Tzu (*A. koreanum*) (Ranunculaceae). Mp 198°. $[\alpha]_D^{22.8}$ +49° ($CHCl_3$). 2,13-Di-Ac struct. has been considered more probable.

Di-Ac; B,HCl: Mp 290°.
Di-Ac; B,HBr: Mp 293°.
Di-Ac; B,HNO_3: Mp 265°.
Di-Ac; B,$HClO_4$: Mp 272-273°.
Di-Ac; B,MeI: Mp 284.5-285.5°.

2,11,13-Tri-Ac: [78969-72-9]. ***Guan-fu base* G**.
$C_{26}H_{33}NO_7$ M 471.549
Alkaloid from Guan-Bai-Fu-Tzu (*A. koreanum*) (Ranunculaceae). Mp 178°.

Tetra-Ac: Mp 154.5-155°.

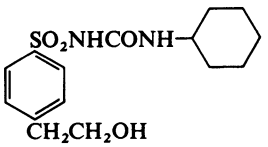
O^2-(2-Methylpropanoyl): [103847-13-8]. ***Guan-fu Base* Z**. *2-Isobutyryl-14-hydroxyhetisine.*
$C_{24}H_{33}NO_5$ M 415.528
Alkaloid from Guan-Bai-Fu-Tzu (*A. koreanum*) (Ranunculaceae). Needles. Mp 230-231°.

Kao, H.-C. *et al*, *Yao Hsueh Hsueh Pao*, 1966, **13**, 186; *CA*, **65**, 3922g (*isol*)
Liu, J.-H. *et al*, *Chung Ts'ao Yao*, 1981, **12**, 1; *CA*, **95**, 138450q (*struct*)
Reinecke, M.G. *et al*, *Heterocycles*, 1986, **24**, 49 (*pmr, cmr, struct*)

Hydroxyhexamide H-00137

N-[(*Cyclohexylamino*)*carbonyl*]-4-(*1-hydroxyethyl*)-*benzenesulfonamide*, 9CI. *1-Cyclohexyl-3-*[[p-(*1-hydroxyethyl*)*phenyl*]*sulfonyl*]*urea*, 8CI

[3168-01-2]



$C_{15}H_{22}N_2O_4S$ M 326.410

Antidiabetic agent. Cryst. (EtOH). Mp 136-137°.

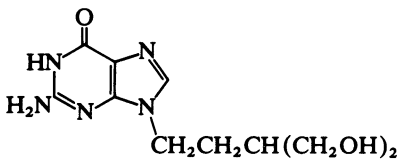
Marshall, F.J. *et al*, *J. Med. Chem.*, 1963, **6**, 60 (*synth*, *pharmacol*)

Raymond, Y. *et al*, *Ann. Pharm. Fr.*, 1978, **36**, 593 (*pharmacol*)

9-(4-Hydroxy-3-hydroxymethyl-1-butyl)-guanine H-00138

2-Amino-1,9-dihydro-9-[*4-hydroxy-3-*(*hydroxymethyl*)*butyl*]-*6H-purin-6-one*, 9CI. ***Penciclovir, BAN, INN***. *BRL 39123*

[39809-25-1]



$C_{10}H_{15}N_5O_3$ M 253.260

Antiviral agent. Cryst. Mp 275-277°.

Pandit, U.K. *et al*, *Synth. Commun.*, 1972, **2**, 345 (*synth*)

Tippie, M.A. *et al*, *Nucleosides Nucleotides*, 1984, **3**, 525; *CA*, **102**, 214686b (*synth*)

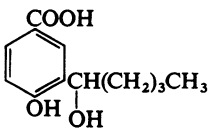
Harnden, M.R. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4265 (*synth*, *uv*, *pmr*)

Eur. Pat., 141 927, (*1985*); *CA*, **103**, 123509a

4-Hydroxy-3-(1-hydroxypentyl)benzoic acid, 8CI H-00139

α-Butyl-α-hydroxy-4,3-cresotic acid. ***Fepentolic acid, INN***. *RCM 258*

[17243-33-3]



$C_{12}H_{16}O_4$ M 224.256

(±)-*form*

Choleretic agent. Mp 175°.

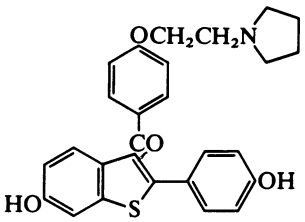
B.P., 1 114 223, (*1968*); *CA*, **69**, 96285v (*synth*)

Trebaul, L. *et al*, *Therapie*, 1968, **23**, 329, 341 (*pharmacol*)

[6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]-thien-3-yl][4-[2-(1-pyrrolidinyl)ethoxy]-phenyl]methanone, 9CI H-00140

LY 117018

[63676-25-5]



$C_{27}H_{25}NO_4S$ M 459.559

Antioestrogen. Cryst. (Me_2CO). Mp 146-147°.

Anon., *Drugs Future*, 1982, **7**, 112 (*rev*)

Black, L.J., *Horm. Antagonists*, 1982, 129 (*rev*)

Wakeling, A.E. *et al*, *J. Endocrinol.*, 1983, **99**, 455 (*pharmacol*)

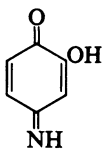
Jones, C.D. *et al*, *J. Med. Chem.*, 1984, **27**, 1057 (*synth*, *pharmacol*)

Wakeling, A.E. *et al*, *J. Steroid Biochem.*, 1984, **20**, 111 (*pharmacol*)

2-Hydroxy-4-imino-2,5-cyclohexadienone H-00141

2-Hydroxy-1,4-benzoquinone-4-imine. 490 Quinone

[74331-93-4]



$C_6H_5NO_2$ M 123.111

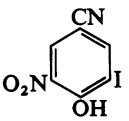
Red pigment found in the sporulating gill tissue of the mushroom *Agaricus bisporus*; potent inhibitor of enzymes containing SH groups. λ_{max} 490 nm.

Boehelheide, K. *et al*, *J. Biol. Chem*, 1980, **255**, 4766.

4-Hydroxy-3-iodo-5-nitrobenzonitrile, 9CI, 8CI H-00142

4-Cyano-2-iodo-6-nitrophenol. ***Nitroxynil, BAN***. *Nitroxinil, INN*

[1689-89-0]



$C_7H_3IN_2O_3$ M 290.017

Anthelmintic (fasciolicide). Yellow cryst. (C_6H_6). Sl. sol. H_2O. Mp 137-138°. pK_a 2.85.

▷DI4600000.

N-*Methylglucamine salt* (*1:1*): [10532-59-9]. *Fasciolid*. Dimorphic cryst. + $1/2H_2O$ and $3H_2O$. Mp 85-88°, Mp 56.5-59°.

N-*Ethylglucamine salt* (*1:1*): [27917-82-4]. *Dovenix*. *Trodax*. *M. and B. 20755*H.

Davis, M. *et al*, *Chem. Ind.* (*London*), 1967, 1918 (*synth*)

Lucus, J.M.S., *Br. Vet. J.*, 1967, **123**, 198 (*pharmacol*)

Davis, M. *et al*, *J. Sci. Food Agric.*, 1969, **20**, 748 (*synth*, *pharmacol*)

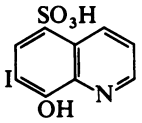
Kiss, A.I. *et al*, *Tetrahedron*, 1983, **39**, 3201 (*synth*, *ir*, *pmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13029.

8-Hydroxy-7-iodo-5-quinolinesulfonic acid, 9CI H-00143

Yatren. Loretin. Numerous proprietary names

[547-91-1]



$C_9H_6INO_4S$ M 351.115

Antiamoebic. Topical disinfectant. Colorimetric reagent for metal ions. Yellow prisms or laminae. V. spar. sol. H_2O, EtOH, prac. insol. Et_2O, $CHCl_3$, C_6H_6. Mp 260-270° dec. Forms cryst. salts with alkali and alkaline-earth metals. Used mainly as mixt. with $NaHCO_3$ (Chiniofon, INN).

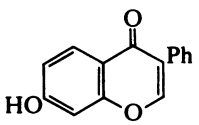
▷VC2800000.

Claus, A., *Arch. Pharm.* (*Weinheim, Ger.*), 1893, **231**, 706
Cohn, G., *J. Prakt. Chem.*, 1911, **83**, 503.
Ger. Pat., 545 915, (*1933*); *CA*, **27**, 566
Botton, L.P., *CA*, 1958, **52**, 1840.
Merritt, L.L. *et al*, *Acta Crystallogr., Sect B*, 1970, **26**, 734 (*cryst struct*)
Gershon, H. *et al*, *J. Org. Chem.*, 1971, **36**, 3494.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1082 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4766.

7-Hydroxyisoflavone, 8CI H-00144

7-Hydroxy-3-phenyl-4H-1-benzopyran-4-one, 9CI

[13057-72-2]



$C_{15}H_{10}O_3$ M 238.242

Leaflets (EtOH). Mp 215°, 209-210°. H_2SO_4 → sky-blue fluor.

Ac:

$C_{17}H_{12}O_4$ M 280.279

Needles (EtOH). Mp 139°.

Me ether: [1621-56-3]. *7-Methoxyisoflavone.*

$C_{16}H_{12}O_3$ M 252.269

Plates (EtOH). Mp 156°.

Benzyl ether:

$C_{22}H_{16}O_3$ M 328.367

Plates (EtOH). Mp 171°.

Isopropyl ether: [35212-22-7]. *7-Isopropoxyisoflavone.* ***Ipriflavone, INN.*** *FL113. Yambolap.*

$C_{18}H_{16}O_3$ M 280.323

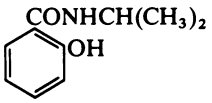
Feed additive, catabolic agent. Cryst. (Me_2CO). Mp 115-117°.

Baker, W. *et al*, *J. Chem. Soc.*, 1925, 1986.
Mahal, H.S. *et al*, *J. Chem. Soc.*, 1934, 1121.
Baker, I.W. *et al*, *J. Chem. Soc.*, 1953, 852.
Karmarkar, S.S., *J. Sci. Ind. Res., Sect. B*, 1961, **20**, 334; *CA*, **56**, 2408.
Mezheritskii, V.V. *et al*, *Zh. Obshch. Khim.*, 1970, **40**, 2459.
Ger. Pat., 2 125 245, (*1971*); *CA*, **76**, 72407e (*Ipriflavone*)
Feuer, L. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 953 (*Ipriflavone, pharmacol*)
Jain, A.C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 215 (*synth*)
Yamazaki, I. *et al*, *Life Sci.*, 1986, **38**, 951 (*Ipriflavone, pharmacol*)

2-Hydroxy-*N*-isopropylbenzamide H-00145

N-Isopropylsalicylamide. Lopirin. S 2-127

[551-35-9]



$C_{10}H_{13}NO_2$ M 179.218

Analgesic, antirheumatic, antipyretic drug. Cryst. (EtOH aq.). Mp 66-67°.

▷VN7760000.

Way, E.L. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **108**, 450 (*pharmacol*)
Faust, J.A. *et al*, *J. Am. Pharm. Assoc.*, 1956, **45**, 514 (*synth, pharmacol*)
Wagner, G. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1956, **289**, 247 (*synth*)

Hydroxymethanediphosphonic acid H-00146

(Hydroxymethylene)bis(phosphonic acid), 9CI. ***Oxidronic acid,*** *USAN, INN,* ***BAN.*** *HMDP*

[15468-10-7]

$HOCH[P(O)(OH)_2]_2$

$CH_6O_7P_2$ M 192.002

Appears to be known only as salts. Weak inhibitor of AMV reverse transcriptase and DNA-polymerase. Calcium regulator.

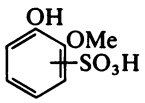
Di-Na salt: [14255-61-9]. Mp 244-249°.

Quimby, O.T. *et al*, *J. Org. Chem.*, 1967, **32**, 4111 (*synth*)
Eriksson, B. *et al*, *Biochem. Biophys. Acta*, 1982, **696**, 115 (*props*)
Eubank, W.B. *et al*, *J. Parasitol.*, 1982, **68**, 599 (*props*)
Shinoda, H. *et al*, *Calcif. Tissue Int.*, 1983, **35**, 87 (*props*)

Hydroxymethoxybenzenesulfonic acid H-00147

Guaiacolsulfonic acid

[50855-43-1]



$C_7H_8O_5S$ M 204.197

Expectorant. Mp >270° (chars at a higher temp.).

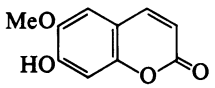
K salt: [1321-14-8]. *Potassium guaiacolsulfonate, USAN.* ***Sulfoguaiacol, INN.*** *Thiocol. Orthocoll. Kasucol. Bron. Gaiathiol. Other synonyms.* A mixt. of the potassium salts of 4- and 5-guaiacolsulfonic acid.

Turski, J.S. *et al*, *Przemsyl. Chem.*, 1927, **11**, 365 (*synth, acid*)
Berkenheim, A.I. *et al*, *J. Gen. Chem.*, 1934, **4**, 104 (*synth*)
Schulze, K., *Deut. Apoth.-Ztg.*, 1937, **52**, 519.
Bertino, S. *et al*, *Arch. Pharmacol. Sper.*, 1939, **67**, 213 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 703.

7-Hydroxy-6-methoxy-2*H*-1-benzopyran-2-one, 9CI H-00148

7-Hydroxy-6-methoxycoumarin. ***Scopoletin.*** *Aesculetin 6-methyl ether. Chrysatropic acid. Gelseminic acid. β-Methylaesculetin*

[92-61-5]



$C_{10}H_8O_4$ M 192.171

Occurs widely in the plant world, for example, the root of *Gelsemium sempervirens, Atropa belladonna, Convolvulus scammonia, Ipomaea orizabensis, Prunus serotina, Fabiana imbricata* and also *Diospyros* spp., *Peucedanum* spp., *Heracleum* spp., *Skimmea* spp. Also occurs in the Chinese crude drug Toki (from *Angelica acutiloba*). Needles or prisms (EtOH). Mp 204°. Reduces Fehling's and Tollen's reagents.

▷GN6930000.

Ac: Mp 177°.

O-*β-D-Glucoside:* ***Fabiatrin.***

$C_{16}H_{18}O_9$ M 354.313

Isol. from leaves of *Fabiana imbricata.* Needles + $2H_2O$ (H_2O). Mp 226-228°.

O-(*2,3-Dihydroxy-3-methylbutenoyl*): ***Obtsusinin.***

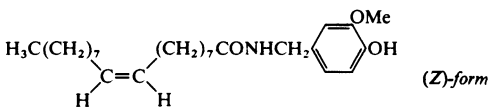
$C_{15}H_{18}O_6$ M 294.304

Isol. from *Haplophyllum obtusifolium.* Mp 136-138°.

Head, F.G.H. *et al, J. Chem. Soc.*, 1931, 1241 (*synth*)
Seka, R. *et al, Ber.*, 1931, **64**, 909.
Gonzalez, A.G. *et al, An. Quim.*, 1973, **69**, 1013 (*pmr*)
Tanaka, S. *et al, Arzneim.-Forsch.*, 1977, **27**, 2039 (*isol*)
Herath, W.H.M. *et al, Phytochemistry*, 1978, **17**, 1007 (*isol*)
Ishibura, N. *et al, Z. Naturforsch., C*, 1979, **34**, 628.
Ahluwalia, V.K. *et al, Monatsh. Chem.*, 1982, **113**, 197 (*Obtusinin*)
Abu-Eittah, R.H. *et al, Can. J. Chem.*, 1985, **63**, 1173 (*uv*)
Koul, S.K. *et al, Indian J. Chem., Sect. B*, 1987, **26**, 574 (*synth*)

***N*-(4-Hydroxy-3-methoxybenzyl)-9-octadecenamide** H-00149

N-*Vanillyloleamide*



(*Z*)-*form*

$C_{26}H_{43}NO_3$ M 417.631

(Z)-form [58493-49-5]

Olvanil, INN, USAN. *NE 19550*

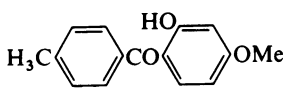
Analgesic.

U.S.P., 4 493 848, (*1985*); *CA*, **102**, 137825 (*synth, pharmacol*)

2-Hydroxy-4-methoxy-4'-methylbenzophenone, 8CI H-00150

(*2-Hydroxy-4-methoxyphenyl*)(*4-methylphenyl*)-*methanone, 9CI.* ***Mexenone, BAN, INN.*** *Uvistat. Uvicone*

[1641-17-4]



$C_{15}H_{14}O_3$ M 242.274

Sunscreen. Pale-yellow powder. Insol. H_2O.

U.S.P., 2 773 903, (*1956*); *CA*, **51**, 16552 (*synth*)
Macleod, T.M. *et al, Br. J. Dermatol.*, 1971, **84**, 266 (*pharmacol*)
Perrot, C. *et al, Bull. Soc. Chim. Fr.*, 1974, 2225 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9310.

7-Hydroxy-8-methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid H-00151

9-Hydroxy-8-methoxy-6-nitrophenanthro[*3,4*-d]-*1,3-dioxole-5-carboxylic acid, 9CI.* ***7-Hydroxyaristolochic acid A***

[79185-75-4]

$C_{17}H_{11}NO_8$ M 357.276

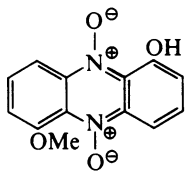
Alkaloid from *Aristolochia debilis.* Also an active principle of Tong Cheng Hu Geng (roots of *A. tagala*) (Aristolochiaceae).

Chen, Z.-L. *et al, Hua Hsueh Hsueh Pao*, 1981, **39**, 237; *CA*, **95**, 156428t (*isol, struct*)
Ding. L. *et al, Zhongcaoyao*, 1981, **12**, 436; *CA*, **96**, 214267y (*isol*)

1-Hydroxy-6-methoxyphenazine 5,10-dioxide H-00152

6-Methoxy-1-phenazinol 5,10-dioxide, 9CI, 8CI. ***Myxin.*** *3C-Antibiotic*

[13925-12-7]



$C_{13}H_{10}N_2O_4$ M 258.233

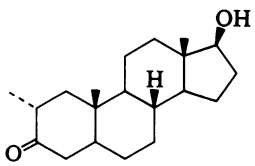
Phenazine antibiotic. Isol. from *Sorangium* spp. and *Pseudomonas* sp. Broad spectrum antibacterial and antifungal agent. Red needles (Me_2CO). Mp 130-135° dec. λ_{max} 283 (ε 97 000), 340 (5 400) and 505 nm (6 500).

▷May explode on drying with heat. SG1660000.

Cu complex: see Cuprimyxin, C-00577

Edwards, O.E. *et al, Tetrahedron Lett.*, 1966, 4867, 6502 (*struct, uv, ir, pmr, synth*)
Peterson, E.A. *et al, Can. J. Microbiol.*, 1966, **12**, 221 (*isol*)
Sigg, H.P. *et al, Helv. Chim. Acta*, 1967, **50**, 716.
Weigele, M. *et al, Tetrahedron Lett.*, 1967, 715 (*synth, uv, nmr, ms*)
Hanson, D. *et al, Acta Crystallogr., Sect. B*, 1968, **24**, 1084 (*cryst struct*)
Japan. Pat., 79 86 694, (*1979*); *CA*, **91**, 156043 (*isol*)

17-Hydroxy-2-methylandrostan-3-one, 9CI H-00153



$C_{20}H_{32}O_2$ M 304.472

▷BV8060020.

(2α,5α,17β)-form [58-19-5]

Drostanolone, BAN, INN. *Dromostanolone*

Anabolic steroid. Cryst. (Et_2O). Mp 152-154°. $[\alpha]_D$ +32° (EtOH).

▷BV8060020.

17-Propanoyl: [521-12-0]. ***Drostanolone propionate, BAN.*** *Dromostanolone propionate, USAN. Masterone. Drolban. Prometholone. NSC 12198. Other proprietary names.*

$C_{23}H_{36}O_3$ M 360.536

Antineoplastic agent; anabolic, androgenic. Cryst. (hexane). Mp 126-130°. $[\alpha]_D$ +24°.

Azine: [4267-81-6]. ***Bolazine, INN.*** *Dimethazine.*
$C_{40}H_{64}N_2O_2$ M 604.958
Anabolic steroid. Mp 238-239°. $[\alpha]_D$ +129° ($CHCl_3$).

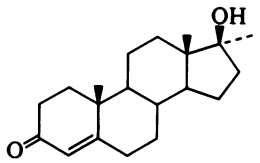
Azine, 17,17'-dihexanoyl: ***Bolazine capronate, INN.*** *Roxilon inject.*
$C_{52}H_{84}N_2O_4$ M 801.247
Anabolic steroid. Mp 204-242°. $[\alpha]_D$ +114° ($CHCl_3$).

Ringold, H.J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 427.
Kinckl, F.A. *et al, Steroids*, 1964, **3**, 109 (*props*)
B.P., 1 005 896, (*1965*); *CA*, **63**, 18216e (*deriv*)
Volovel'skii, L.N. *et al, Zh. Obschch. Khim.*, 1966, **46**, 1772.
Templeton, J.F. *et al, Steroids*, 1977, **29**, 371 (*metab*)
Templeton, J.F. *et al, Can. J. Chem.*, 1978, **56**, 2058 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7014 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9039 (*propionate*)

17β-Hydroxy-17α-methyl-4-androsten-3-one, 9CI, 8CI H-00154

Methyltestosterone, INN. *Metandren. Neo-Hombreol. Oraviron. Oreton Methyl. Synandrets. Testora. Testred. NSC-9701. Numerous tradenames*

[58-18-4]



$C_{20}H_{30}O_2$ M 302.456
Androgen. Cryst. (hexane). Mp 161-166°. $[\alpha]_D^{25}$ +69° to +75° (dioxan).

▷BV8400000.

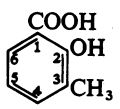
3-Hexyl ether: [1852-73-9]. *Androgenol. Enoltestovis. Enoltestovister.*
$C_{26}H_{42}O_2$ M 386.617
Androgen. Mp 79-81°. $[\alpha]_D$ −131°.

Ercoli, A. *et al, Endocrinology*, 1960, **67**, 521 (*pharmacol*)
Ercoli, A. *et al, J. Am. Chem. Soc.*, 1960, **82**, 746 (*synth, pharmacol*)
Graham, R.E. *et al, J. Pharm. Sci.*, 1973, **62**, 1845 (*chromatog*)
Lala, A.K. *et al, Indian J. Chem.*, 1974, **12**, 500 (*pmr*)
Delaroff, V. *et al, Tetrahedron*, 1979, **35**, 2681 (*cd, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9071.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5944 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1931.

2-Hydroxy-3-methylbenzoic acid, 9CI H-00155

*2-Hydroxy-*m*-toluic acid.* o*-Cresotic acid.* o*-Cresol-6-carboxylic acid. 3-Methylsalicylic acid.* o*-Cresotinic acid.* ***Hydroxytoluic acid, BAN, INN.*** *2,3-Cresotic acid*

[83-40-9]



$C_8H_8O_3$ M 152.149
Analgesic, antiseptic. Needles (H_2O or EtOH aq.). Mp 169-170°. pK_a 2.99 (25°).

▷GP3920000.

Me ester: [23287-26-5].
$C_9H_{10}O_3$ M 166.176
Cryst. $d^{16.8}$ 1.529. Mp 28-30°. Bp 235°, Bp_{13} 110°.

Ac: [4386-39-4].
$C_{10}H_{10}O_4$ M 194.187
Needles (C_6H_6). Mp 113°.

Amide: [14008-60-7]. *2-Hydroxy-3-methylbenzamide. 2,3-Cresotamide, 8CI.* ***Cresotamide, INN.***
$C_8H_9NO_2$ M 151.165
Analgesic, antipyretic, antiinflammatory agent. Needles (EtOH aq.). Mp 112°.

Me ether: [26507-91-5]. *2-Methoxy-3-methylbenzoic acid.*
$C_9H_{10}O_3$ M 166.176
Needles (H_2O). Mp 85°.

Chloride: [15198-07-9].
$C_8H_7ClO_2$ M 170.595
Mp 27-28°. Bp_{16} 87-89°.

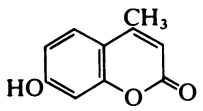
Nitrile: [13589-71-4]. *2-Cyano-6-methylphenol.*
C_8H_7NO M 133.149
Plates (EtOH). Mp 88.5°.

Rather, J.B. *et al, J. Am. Chem. Soc.*, 1919, **41**, 75 (*synth*)
King, C. *et al, J. Am. Chem. Soc.*, 1945, **67**, 2089 (*synth*)
Fr. Pat., M19, (*1961*); *CA*, **58**, 1411d (*synth, pharmacol, amide*)
Gupta, M.P. *et al, Acta Crystallogr., Sect. B*, 1971, **27**, 713 (*cryst struct*)
Yamazaki, M. *et al, CA*, 1974, **80**, 47030b (*cmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 581.

7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, 9CI H-00156

7-Hydroxy-4-methylcoumarin. 4-Methylumbelliferone. Coumarin 4. ***Hymecromone, INN, JAN, USAN.*** *Cantabiline. BMU. Pilot 447. Other proprietary names*

[90-33-5]



$C_{10}H_8O_3$ M 176.171
Used in tunable lasers. Choleretic, spasmolytic and sunscreen agent. Needles (EtOH). Mp 194-195°. λ_{max} (untuned emission) 456 nm. Phototautomerises.

▷GN7000000.

Me ether: [2555-28-4].
$C_{11}H_{10}O_3$ M 190.198
Needles (EtOH). Mp 159°.

7-O-Ac: [2747-05-9].
$C_{12}H_{10}O_4$ M 218.209
Cryst. Mp 153-154°.

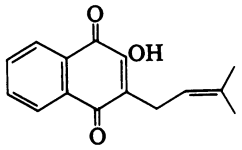
Benzoyl: [66185-72-6].
$C_{17}H_{12}O_4$ M 280.279
Needles (EtOH). Mp 159-160°.

v. Pechmann, H. *et al, Ber.*, 1883, **16**, 2122 (*synth*)
Org. Synth., Coll. Vol., **3**, 282 (*synth*)
Kappe, T. *et al, Org. Prep. Proced.*, 1969, **1**, 61 (*synth*)
Trozzolo, A.M. *et al, J. Am. Chem. Soc.*, 1974, **96**, 4699 (*tautom*)
Shimizu, S. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 1287 (*cryst struct*)
Sojka, S.A., *J. Org. Chem.*, 1975, **40**, 1175 (*cmr*)
Kauffman, J.M., *Appl. Opt.*, 1980, **19**, 3431 (*use*)
Taylor, R.T. *et al, Synthesis*, 1982, 672.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3725.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1420.

2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone H-00157

2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthalenedione, 9CI. Greenhartin. Lapachol. Taiguic acid. Tecomin. NSC 11905

[84-79-7]



$C_{15}H_{14}O_3$ M 242.274

Widespread occurrence in the plant world, particularly in heartwood, bark and roots, e.g. the Bigononiaceae and various *Tabebuia*, *Tecomella* and *Tectona* spp. Anticoagulant with anticancer activity; said to be comly. available in Brazil as an anticancer agent but has undesirable side-effects. Yellow prisms (EtOH or Et_2O). Mp 139-140°.

▷QL8750000.

Ac: Yellow prisms (EtOH). Mp 82-83°.

Me ether: [17241-45-1].

$C_{16}H_{16}O_3$ M 256.301

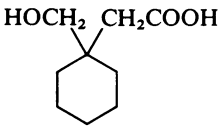
Constit. of the heartwood of *Tabebuia avellanedae*. Yellow cryst. (pet. ether). Mp 54-55°.

Hooker, S.C., *J. Am. Chem. Soc.*, 1936, **58**, 1181 (*synth, bibl*)
Burnett, A.R. *et al, J. Chem. Soc.* (*C*), 1967, 2100; *Chem. Ind.* (*London*), 1968, 1771 (*synth*)
Pettit, G.R. *et al, Can. J. Chem.*, 1968, **46**, 2471; *J. Chem. Soc.* (*C*), 1971, 509 (*synth*)
Jacobsen, N. *et al, Acta Chem. Scand.*, 1973, **27**, 3211 (*synth*)
Rao, K.V., *Cancer Chemother. Rep., Part 5*, 1974, **4**, 11 (*use*)
Da Silveira, J.C. *et al, Phytochemistry*, 1975, **14**, 1829 (*isol*)
McDonald, I.A. *et al, Aust. J. Chem.*, 1977, **30**, 1727 (*pmr, cmr*)
Kapoor, N.K. *et al, Indian J. Chem., Sect. B*, 1982, **21**, 189 (*synth*)
Ghera, E. *et al, J. Org. Chem.*, 1985, **50**, 3355 (*synth*)

1-(Hydroxymethyl)cyclohexaneacetic acid, 9CI H-00158

3,3-Pentamethylene-4-hydroxybutyric acid. Hexacyclonic acid

[7491-42-1]



$C_9H_{16}O_3$ M 172.224

Central stimulant.

Na salt: [7009-49-6]. *Sodium hexacyclonate, INN. Gevilon. Neuryl. Repriscal. W 1597.* Plates (butanol/C_6H_6). Mp 106-108° (monohydrate).

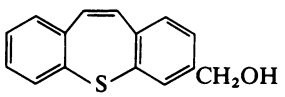
▷GU6650000.

U.S.P., 3 007 940, (*1960*); *CA*, **56**, 8591g (*synth, pharmacol*)

3-Hydroxymethyldibenzo[*b,f*]thiepin H-00159

Dibenzo[b,f]*thiepin-3-methanol, 9CI*

[77167-91-0]



$C_{15}H_{12}OS$ M 240.319

Cryst. (cyclohexane). Mp 110-112°.

5,5-Dioxide: [77167-93-2].

$C_{15}H_{12}O_3S$ M 272.318

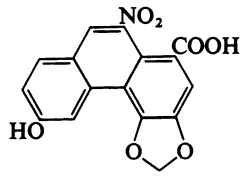
Antagonist of lung prostanoids. Cryst. (EtOH). Mp 161-163°.

Hands, D. *et al, J. Heterocycl. Chem.*, 1986, **23**, 1333 (*synth, pmr, bibl*)

6-Hydroxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid H-00160

10-Hydroxy-6-nitrophenanthro[*3,4*-d]-*1,3-dioxole-5-carboxylic acid, 9CI.* ***Aristolochic acid*** **C**. *Aristolochic acid IIIa*

[4849-90-5]



$C_{16}H_9NO_7$ M 327.250

Alkaloid from *Aristolochia debilis* and from the tubers of *A. rotunda*. An active principle of "Tong Cheng Hu Geng" (roots of *A. tagala*) and of the Chinese drug Fang-chi. Also found in the butterfly *Zerynthia polyxena* and detected in *A. tuberosa* (Aristolochiaceae). Needles + $5H_2O$. Mp 280° dec.

Me ester: Mp 254°.

Me ether: [7267-92-7]. ***Aristolochic acid III***. *10-Methoxy-6-nitrophenanthro*[*3,4*-d]-*1,3-dioxole-5-carboxylic acid, 9CI. 6-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid.*

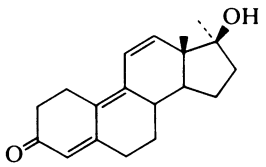
$C_{17}H_{11}NO_7$ M 341.276

Alkaloid from the roots of *A. argentina*, *A. esperanzae*, *A. clematitis* and *A. longa* (Aristolochiaceae).

Me ether, Me ester: Yellow cryst. ($CHCl_3$ or Me_2CO). Mp 270-272° (265-266°).

Tomita, M. *et al, Yakugaku Zasshi*, 1959, **79**, 973, 1470; *CA*, **53**, 21841e; **54**, 6688i (*isol, ir, uv*)
Sasagawa, S., *Yakugaku Zasshi*, 1962, **82**, 921; *CA*, **59**, 1552g (*struct*)
Pailer, M. *et al, Monatsh. Chem.*, 1965, **96**, 863 (*isol, deriv*)
Carboni, S. *et al, Gazz. Chim. Ital.*, 1966, **96**, 641 (*isol, ir*)
Priestap, H.A. *et al, Anal. Asoc. Quim. Argentia*, 1971, **59**, 245; *CA*, **76**, 43943w (*isol, deriv*)
Rothschild, M. *et al, Insect Biochem.*, 1972, **2**, 334; *CA*, **77**, 137607n (*isol, ms*)
Chen, Z.-L. *et al, Hua Hsueh Hsueh Pao*, 1981, **39**, 237; *CA*, **95**, 156428t (*isol*)
Ding, L. *et al, Zhongcaoyao*, 1981, **12**, 436; *CA*, **96**, 214267y (*isol*)
De Pascual Teresa, J. *et al, Phytochemistry*, 1983, **22**, 2745 (*ir, pmr, ms*)

17-Hydroxy-17-methylestra-4,9,11-trien-3-one, 9CI, 8CI H-00161



$C_{19}H_{24}O_2$ M 284.397

(17R)-form [965-93-5]

Metribolone, INN. *Methytrienolone. NSC 92858E. R1881*

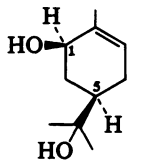
Anabolic agent. Mp 170°. $[\alpha]_D^{20}$ −58.7° (c, 0.5 in EtOH).

Velluz, L. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1967, **264**, 1396 (*synth*)
Azadian-Boulanger, *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 353 (*synth, pharmacol*)

5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol H-00162

p-*Menth-1-ene-6,8-diol. 6,8-Carvomenthenediol. Pinol hydrate.* ***Sobrerol****. Cutepin. Lysmucol. Mucoflux. Sobrepin. PR-S/109*

[498-71-5]



(1*R*,5*R*)-*form*
Absolute configuration

$C_{10}H_{18}O_2$ M 170.251

Abs. configs. given in primary lit. are based on incorrect abs. config. for (+)-α-Pinene. Respiratory stimulant.

(1R,5R)-form

(−)-cis-*form*

Mp 106-108°. $[\alpha]_D^{20}$ −16° (EtOH).

(1S,5S)-form

(+)-cis-*form*

Mp 108-108.5°. $[\alpha]_D^{20}$ +15.5° (EtOH).

(1RS,5RS)-form

(±)-cis-*form*

Mp 105-106°.

(1R,5S)-form

(+)-trans-*form*

Mp 149°. $[\alpha]_D^{20}$ +150° (EtOH).

Benzoyl:

$C_{17}H_{19}O_3$ M 271.335

Mp 117-118°.

(1S,5R)-form

(−)-trans-*form*

Isol. from Bordeaux terpentine (*Pinus maritimus*). Mp 148-149°. $[\alpha]_D^{20}$ −150° (EtOH).

(1RS,5SR)-form

(±)-trans-*form*

Mp 131-131.5°.

Benzoyl: Mp 93-94°.

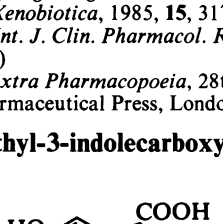
Phthaloyl:

$C_{18}H_{19}O_5$ M 315.345

Mp 142.5-143.5°.

Dupont, G., *CA*, 1922, **16**, 4340 (*isol*)
Blumann, A. *et al*, *J. Chem. Soc.*, 1952, 4420 (*synth*)
Schmidt, H., *Chem. Ber.*, 1953, **86**, 1437 (*synth, bibl, abs config*)
Bohlmann, F. *et al*, *Org. Magn. Reson.*, 1975, **7**, 426 (*cmr*)
Ventura, P. *et al*, *Xenobiotica*, 1985, **15**, 317 (*metab*)
Braga, P.C. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1987, **7**, 381 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13239.

5-Hydroxy-2-methyl-3-indolecarboxylic acid, 9CI H-00163



$C_{10}H_9NO_3$ M 191.186

Et ester: [7598-91-6].

$C_{12}H_{13}NO_3$ M 219.240

Cryst. (Py). Mp 207-208° (205°).

N-*Me, Et ester:* [15574-49-9]. *Ethyl 5-hydroxy-1,2-dimethyl-3-indolecarboxylate.* ***Mecarbinate, INN.*** *Dimecarbine.*

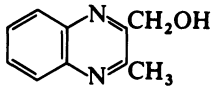
$C_{13}H_{15}NO_3$ M 233.266

Antihypertensive agent. Mp 209-210°.

Bell, M.R. *et al*, *J. Med. Chem.*, 1967, **10**, 264 (*synth, bibl*)
Fr. Pat., M5142, (*1967*); *CA*, **70**, 66812j (*synth, pharmacol*)
Kucklaender, U., *Tetrahedron*, 1972, **28**, 5251 (*synth*)

2-Hydroxymethyl-3-methylquinoxaline H-00164

3-Methyl-2-quinoxalinemethanol, 9CI, 8CI



$C_{10}H_{10}N_2O$ M 174.202

1,4-Dioxide: [16915-79-0]. ***Mequidox,*** *USAN,* ***INN.*** *GS 7443.*

$C_{10}H_{10}N_2O_3$ M 206.201

Antibacterial agent. Mp 186-187°.

Padeiskaya, E.N. *et al*, *Farmakol. Toksikol.*, 1967, **30**, 617 (*pharmacol*)
Edwards, M.L. *et al*, *J. Med. Chem.*, 1975, **18**, 637 (*synth*)
Figdor, S.K. *et al*, *Can. J. Chem.*, 1980, **58**, 1957 (*synth, metab*)

N-Hydroxymethyl-*N'*-methylthiourea, 9CI H-00165

Noxythiolin, BAN. *Noxytiolin, INN. Geistlich 840. Gynaflex. Noxyflex* S

[15599-39-0]

$HOCH_2NHCSNHMe$

$C_3H_8N_2OS$ M 120.169

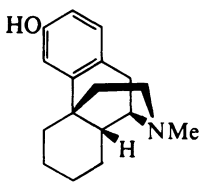
Antifungal agent. Also antibacterial agent useful in treatment of peritonitis. Mp 84-86°.

▷YT4980000.

B.P., 970 414, (*1964*); *CA*, **61**, 15981 (*synth, pharmacol*)
Gilmore, O.J.A. *et al*, *Postgrad. Med. J.*, 1978, **54**, 33 (*use*)
Terol, A. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 636 (*cryst struct*)
Jones, A.R. *et al*, *Xenobiotica*, 1983, **13**, 73 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2262.

3-Hydroxy-*N*-methylmorphinan H-00166

17-Methylmorphinan-3-ol, 9CI



(−)-*form*
Absolute configuration

$C_{17}H_{23}NO$ M 257.375

(+)-***form*** [125-73-5]

Dextrorphan, BAN. *Dextro-Dromoran. Ro 1-6794*

Narcotic analgesic. Cryst. + $1H_2O$. Mp 198-199°. $[\alpha]_D^{20}$ +56.3° (c, 3 in EtOH).

▷QD1832000.

Me ether: [125-71-3]. ***Dextromethorphan,*** *BAN,* ***INN.*** *Numerous proprietary names.*

$C_{18}H_{25}NO$ M 271.402

Antitussive.

▷QD0194000.

Me ether; B,HBr: [125-69-9]. *Dextromethorphan hydrobromide, USAN.* Mp 122-124°. $[\alpha]_D^{20}$ +27.6° (c, 1.5 in H_2O). Component of Actifed, Benafed, Lotussin, Benylin and numerous other cough mixtures.

▷QD0222000.

Tartrate: Cryst. + $1H_2O$. Mp 183-185°. $[\alpha]_D^{20}$ +34.6° (c, 3 in H_2O).

(–)-*form* [77-07-6]

Levorphanol, INN, BAN. *Levorphan. Aromarone. Dromoran. Lemoran. Levo-Dromoran. Ro 1-5431*

Mp 198-199°.

▷QD1830000.

Tartrate: [5985-38-6]. *Levorphanol tartrate, USAN.* Mp 113-115° (dihydrate), Mp 206-208° (anhyd.). $[\alpha]_D^{20}$ −13.8° (c, 3 in H_2O).

Me ether: [125-70-2]. ***Levomethorphan, BAN, INN.***

$C_{18}H_{25}NO$ M 271.402

Antitussive, analgesic. Mp 109-111°. $[\alpha]_D^{20}$ −49.3° (c, 3 in EtOH).

Me ether; B,HBr: Cryst. + $2H_2O$. Mp 124-126°. $[\alpha]_D^{20}$ −26.3° (c, 3 in H_2O).

(±)-*form* [297-90-5]

Racemorphan, BAN, INN. *Antalgin. Cetarin. Citarin (new form). Methorphinan. Orphan. Nu 2206*

Mp 251-253°.

▷QC9240000.

B,HBr: Mp 192-194°.

Me ether: [510-53-2]. ***Racemethorphan, INN.*** Narcotic analgesic.

Me ether; B,HBr: Mp 124-126°.

Schnider, O. *et al, Helv. Chim. Acta*, 1950, **33**, 1437 (*synth*)
Schnider, O. *et al, Helv. Chim. Acta*, 1951, **34**, 2211 (*resoln*)
Corrodi, H. *et al, Helv. Chim. Acta*, 1959, **42**, 212 (*abs config*)
Häfliger, D. *et al, Helv. Chim. Acta*, 1959, **39**, 2053 (*deriv*)
Yoshihiro, T. *et al, Tetrahedron Lett.*, 1975, 2853 (*cmr*)
Gylbert, L. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 2833 (*deriv*)
Wainer, I.W. *et al, J. Org. Chem.*, 1982, **47**, 1761 (*deriv, resoln*)
Meyers, A.I. *et al, J. Org. Chem.*, 1986, **51**, 872 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4961 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5613, 5614, 5634, 6236.

5-Hydroxy-2-methyl-1,4-naphthoquinone H-00167

5-Hydroxy-2-methyl-1,4-naphthalenedione, 9CI.
Plumbagin

[481-42-5]

$C_{11}H_8O_3$ M 188.182

Constit. of various *Plumbago* spp., *Dyerophyton africanum, Drosera congolana*, many *Diospyros* spp., roots of *Dionchophyllum thollonii, Nepenthe rafflesiana, Aristea ecklonii* and other *A.* spp., *Sisyrinchium californicum* and *Sparaxis tricolor.* Exhibits bactericidal, fungicidal and tuberculostatic activity. Antifeedant against African army worms. Orange-yellow needles (EtOH aq.). Mp 78-79°.

▷QL8500000.

Benzoyl:

$C_{18}H_{12}O_4$ M 292.290

Yellow prisms (EtOH aq.). Mp 147°.

Dioxime:

$C_{11}H_{10}N_2O_3$ M 218.212

Yellow needles (EtOH). Mp 220°.

Me ether: [22266-99-5]. *5-Methoxy-2-methyl-1,4-naphthoquinone. Plumbagin methyl ether.*

$C_{12}H_{10}O_3$ M 202.209

Isol. from heartwood of *Diospyros melanoxylum.* Yellow needles. Mp 94°.

Fieser, L.F. *et al, J. Am. Chem. Soc.*, 1936, **58**, 572 (*synth*)
Sidhu, G.S. *et al, Indian J. Chem.*, 1968, **6**, 681 (*isol, spectra, deriv*)
Durand, R. *et al, Tetrahedron Lett.*, 1971, 3009 (*biosynth*)
Ghouse, K.M. *et al, Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1974, **139**, 335 (*cryst struct*)
Padhye, S.B. *et al, J. Magn. Reson.*, 1974, **16**, 150 (*pmr*)
Padhye, S.B. *et al, J. Phys. Chem.*, 1975, **79**, 927 (*uv*)
Ichihara, A. *et al, Agric. Biol. Chem.*, 1980, **44**, 211 (*synth*)
Kubo, I., *Planta Med.*, 1980 (*Suppl.*), 185
Chandrasekaran, B. *et al, J. Biosci.*, 1981, **3**, 395 (*metab*)
Sarkaram, A.V.B. *et al, Phytochemistry*, 1986, **25**, 2867 (*cmr*)
Watanabe, M. *et al, Chem. Pharm. Bull.*, 1986, **34**, 2810 (*synth*)
Wurm, G. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1986, **319**, 190 (*synth*)

2-(Hydroxymethyl)-2-nitro-1,3-propanediol, 9CI H-00168

Tris(hydroxymethyl)nitromethane. Trimethylolnitromethane

[126-11-4]

$O_2NC(CH_2OH)_3$

$C_4H_9NO_5$ M 151.119

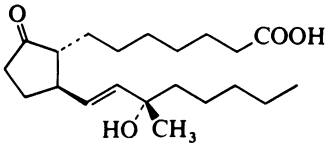
Bactericide. Also acts as a nitroxyl group reagent. Cryst. (EtOAc/C_6H_6). Spar. sol. C_6H_6, sol. H_2O. Mp 214° (pure).

▷TY7350000.

Kowalik, R. *et al, Bull. Acad. Pol. Sci., Ser. Sci. Chem.*, 1969, **17**, 209; *CA*, **71**, 70675p (*synth*)
Bennett, E.O., *CA*, 1974, **81**, 93733b (*use*)
Janzen, E.G. *et al, J. Org. Chem.*, 1978, **43**, 1900 (*use*)
Polish Pat., 98 189, (*1978*); *CA*, **91**, 91166b (*synth*)
Eur. Pat., 3 460, (*1979*); *CA*, **92**, 6045q (*synth*)
Dewey, R.H. *et al, Kirk-Othmer. Encycl. Chem. Technol. 3rd*, 1981, **15**, 910 (*rev*)
Gowda, D.S.S. *et al, J. Chem. Phys.*, 1982, **77**, 4671 (*cryst struct*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 501.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1071.

15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid, 9CI H-00169

Doxaprost, USAN, INN



$C_{21}H_{36}O_4$ M 352.513

(*13E,15S*)-(±)-*form* [51953-95-8]

AY 24559

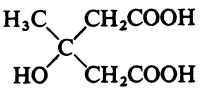
Bronchodilator.

Bagli, J.F. *et al, Prostaglandins*, 1976, **11**, 981 (*synth, pharmacol*)
Skotnicki, J.S. *et al, J. Med. Chem.*, 1977, **20**, 1551 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8083.

3-Hydroxy-3-methylpentanedioic acid, 9CI H-00170

3-Hydroxy-3-methylglutaric acid, 8CI. Dicrotalic acid.
Meglutol, USAN, INN. *Medroglutaric acid. Lipoglutaren. Lipomen. Mevalon. CB 337. HMG*

[503-49-1]



$C_6H_{10}O_5$ M 162.142

Occurs free in *Crotalaria dura* and *C. globifera* and bound in Dicrotaline. Biosynth. precursor of isoprenoids. Antihyperlipoproteinaemic agent. Cryst. (Et_2O-/pet. ether). Mp 109°.

▷MA3753000.

Anhydride, Ac:
$C_8H_{10}O_5$ M 186.164
Prisms (Et_2O). Mp 85°.

Amide-nitrile: [72060-90-3].
$C_6H_{10}N_2O_2$ M 142.157
Cryst. (Et_2O). Mp 72-73°.

Diamide: [72060-91-4].
$C_6H_{12}N_2O_3$ M 160.172
Mp 134-135°.

Adams, R. *et al, J. Am. Chem. Soc.*, 1953, **75**, 2377.
Savoie, L.L. *et al, Arzneim.-Forsch.*, 1975, **25**, 1284 (*tox*)
Savoie, L.L. *et al, Can. J. Physiol. Pharmacol.*, 1975, **53**, 638 (*metab*)
Yousufzai, S.Y.K. *et al, Experientia*, 1976, **32**, 1033 (*props*)
Lupien, P.J. *et al, J. Clin. Pharmacol.*, 1979, **19**, 120 (*props*)
Yavrouian, A.H. *et al, Synthesis*, 1981, 791 (*synth, bibl*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1580.

4-Hydroxy-4-methyl-2-pentanone, 9CI H-00171

Diacetone alcohol. Dimethylacetonylcarbinol

[123-42-2]

$(H_3C)_2C(OH)CH_2COCH_3$

$C_6H_{12}O_2$ M 116.160
Isol. from the arctic bramble *Rubus arcticus*, from green algae and from the sleepy grass sp. *Stipa vaseyi*. Produced from acetone in the presence of base. Solvent, preservative in pharmaceutical preparations. Has hypnotic props. Used in brake fluids and surface coatings. Oil. Sol. H_2O. Bp 164°, Bp_{11} 63-64°.

▷Mod. toxic, irritant, TLV 240. SA9100000.

Oxime: [17918-67-1].
$C_6H_{13}NO_2$ M 131.174
Mp 104-105° (58.5°).

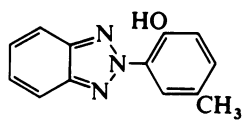
2,4-Dinitrophenylhydrazone: Mp 198-199°.

Org. Synth., Coll. Vol., **1**, 199 (*synth*)
Epstein, W. *et al, Experientia*, 1964, **20**, 390 (*isol*)
Nourse, J.G. *et al, J. Am. Chem. Soc.*, 1975, **97**, 4584 (*cmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 539.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 359.

2-(2-Hydroxy-5-methylphenyl)-2*H*-benzotriazole H-00172

2-(2H-Benzotriazol-2-yl)-4-methylphenol, 9CI. 2-(2H-Benzotriazol-2-yl)-p-cresol, 8CI. ***Drometrizole, USAN, INN. Tinuvin*** P

[2440-22-4]



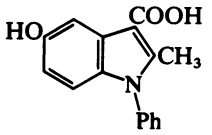
$C_{13}H_{11}N_3O$ M 225.249
Ultraviolet screen, light stabilizer for polymers. Mp 131-132°.

▷GO6860000.

Schmitt, R.G. *et al, J. Med. Chem.*, 1963, **7**, 1565 (*use*)
Karvas, M. *et al, Chem. Prum.*, 1969, **19**, 109 (*synth, props*)
Belusa, J. *et al, Chem. Zvesti*, 1974, **28**, 673 (*synth, ir, uv*)
Ger. Pat., 2 338 833, (*1974*); *CA*, **80**, 112517g (*pharmacol*)
Yoshida, S. *et al, Monatsh. Chem.*, 1982, **113**, 603 (*cmr*)
Rosevear, J. *et al, Aust. J. Chem.*, 1985, **38**, 1163 (*synth*)
Tanimoto, S. *et al, Synthesis*, 1986, 647 (*synth, bibl*)

5-Hydroxy-2-methyl-1-phenyl-1*H*-indole-3-carboxylic acid H-00173

[25888-03-3]

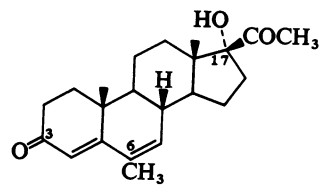


$C_{16}H_{13}NO_3$ M 267.284
Cryst. (MeOH). Mp >220° dec.

Et ester: [5564-29-4]. ***Oxyphemedol.*** *Oksifemedol.*
$C_{18}H_{17}NO_3$ M 295.337
Antihypertensive agent. Cryst. (MeOH). Mp 203-204°.

Grinev, A.N. *et al, Zh. Org. Khim.*, 1965, **1**, 2051 (*ester*)
Fr. Pat., M 5142, (*1967*); *CA*, **72**, 66812 (*ester*)
Grinev, A.N. *et al, Khim.-Farm. Zh.*, 1969, **3**, 9;*CA*, **72**, 66732 (*synth*)
Patrick, J.B. *et al, Tetrahedron Lett.*, 1979, 4009 (*esters*)

17-Hydroxy-6-methyl-4,6-pregnadiene-3,20-dione H-00174



$C_{22}H_{30}O_3$ M 342.477

17α-form [3562-63-8]
Megestrol, BAN, INN
Oral contraceptive, antineoplastic agent. Cryst. Mp 203-204°. $[\alpha]_D^{20}$ +42.6° (c, 1 in $CHCl_3$).

Ac: [595-33-5]. ***Megestrol acetate, USAN.*** *Ovarid. Megace. Ovaban. NSC 71423. Other proprietary names.*
$C_{24}H_{32}O_4$ M 384.514
Oral contraceptive, antineoplastic agent. Cryst. (MeOH aq.). Mp 214-216°. $[\alpha]_D^{24}$ +5° (c, 0.43 in $CHCl_3$), $[\alpha]_D$ +10° (c, 5 in $CHCl_3$).

▷Poss. human carcinogen. TU4075000.

Ringold, M.J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 3712 (*synth*)
Ellis, B. *et al, J. Chem. Soc.*, 1960, 2828 (*synth*)
Elce, J.S. *et al, Biochem. J.*, 1967, **104**, 58P.
Cooper, J.M. *et al, Steroids*, 1968, **11**, 133.
Annen, K. *et al, Justus Liebigs Ann. Chem.*, 1983, 712 (*deriv*)
Ni, Y. *et al, CA*, 1984, **101**, 23805 (*deriv*)
Guo, Z. *et al, CA*, 1985, **103**, 54356 (*deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7162 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9063.

17-Hydroxy-6-methyl-4-pregnene-3,20-dione H-00175

$C_{22}H_{32}O_3$ M 344.493

(6α,17α)-form [520-85-4]
Medroxyprogesterone, BAN, INN
Very active progestational agent. Cryst. ($CHCl_3$). Mp 220-223.5°. $[\alpha]_D$ +75° ($CHCl_3$).

▷Exp. teratogen. TU5300000.

Ac: [71-58-9]. ***Medroxyprogesterone acetate, BAN, INN, USAN. Depo-Provera. Anoestrulin. Perlutex. Promone* E. *Veramix. NSC 26386. Other proprietary names.***

$C_{24}H_{34}O_4$ M 386.530

Progestin. Extensively used injectable contraceptive agent active for 3-6 months in human females. Use banned in U.S.A. because of possible carcinogenicity. Cryst. (MeOH). Mp 207-209°. $[\alpha]_D$ +61° ($CHCl_3$).

▷TU5010000.

Babcock, J.C. *et al, J. Am. Chem. Soc.*, 1958, **80**, 2904 (*synth*)
Schwallie, P.C., *J. Reprod. Med.*, 1974, **13**, 113 (*rev, deriv*)
Hammerum, S. *et al, Steroids*, 1975, **25**, 817 (*ms*)
Nash, H.A., *Contraception*, 1975, **12**, 377 (*rev, deriv*)
Jeppsson, S., *Acta Obstet. Gynecol. Scand. Suppl.*, 1981, **101**, 7 (*rev*)
Barrett, M.W. *et al, J. Chem. Soc., Perkin Trans. 2*, 1982, 105 (*cryst struct, cd, pmr, conformn*)
Cavalli, F. *et al*, Ed., *Int. Congr. Ser.*, No. 611, Excerpta Med., Amsterdam, 1982 (*book*)
Farrant, R.D. *et al, J. Steroid Biochem.*, 1983, **19**, 181 (*conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7193 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9062.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 791.

8-Hydroxy-5-methylquinoline H-00176

5-Methyl-8-quinolinol, 9CI. 5-Methoxine. ***Tiliquinol, INN***

[5541-67-3]

$C_{10}H_9NO$ M 159.187

Antibacterial (intestinal), antiplaque agent. Needles (EtOH aq.). Mp 122-124°.

B,HCl: [57334-63-1]. Mp 280-282°.

Woodcock, D., *J. Chem. Soc.*, 1955, 4391.
Büchi, J. *et al, Helv. Chim. Acta*, 1956, **39**, 1676 (*synth*)
Warner, V.D. *et al, J. Pharm. Sci.*, 1975, **64**, 1563 (*synth*)
Roebisch, G. *et al, J. Prakt. Chem.*, 1985, **327**, 871 (*pmr, cmr*)

Hydroxymethyltrimethylammonium(1+), 8CI H-00177

*1-Hydroxy-*N,N,N*-trimethylmethanaminium, 9CI. Hydroxytetramethylammonium(1+). Formocholine*

$Me_3N^{\oplus}CH_2OH$

$C_4H_{12}NO^{\oplus}$ M 90.145 (ion)

Hypotensive agent more active than choline but considerably more toxic. pK_a 9.33.

Hydroxide:

$C_4H_{13}NO_2$ M 107.152

Hygroscopic cryst. mass.

Ac, chloride: Acetoxymethyl(trimethyl)ammonium chloride.

$C_6H_{14}ClNO_2$ M 167.635

Extremely hygroscopic thin plates.

Ac, iodide: Acetoxymethyl(trimethyl)ammonium iodide. Acetylformocholine iodide.

$C_6H_{14}INO_2$ M 259.087

Needles (EtOH). Mp 152°.

Et ether, iodide: Ethoxymethyl(trimethyl)ammonium iodide.

$C_6H_{16}INO$ M 245.103

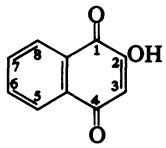
Mp 108°.

Renshaw, R.R. *et al, J. Am. Chem. Soc.*, 1925, **47**, 2989 (*synth*)
Hine, J. *et al, J. Am. Chem. Soc.*, 1970, **92**, 4383.

2-Hydroxy-1,4-naphthoquinone, 8CI H-00178

2-Hydroxy-1,4-naphthalenedione, 9CI. ***Lawsone.*** *Naphthalinic acid. Henna (dye). C.I. Natural Orange 6*

[83-72-7]



$C_{10}H_6O_3$ M 174.156

Isol. from *Lawsonia* spp., henna and seeds of *Lomatia ferruginea*. Hair dye, fungicide, bactericide and sunscreen agent. Yellow prisms (AcOH). Mp 195-196° dec. (191-192°).

▷QL8200000.

Me ether: [2348-82-5]. *2-Methoxy-1,4-naphthoquinone.*

$C_{11}H_8O_3$ M 188.182

Isol. from leaves of *Impatiens glandulifera*, and from Caribbean soils rich in montmorillonite. Light-yellow needles (EtOH). Mp 183°.

▷QL8960000.

Org. Synth., Coll. Vol., **3**, 465.
Fieser, L.F., *J. Am. Chem. Soc.*, 1948, **70**, 3165 (*synth*)
Amorosa, M., *Gazz. Chim. Ital.*, 1954, **84**, 602 (*synth*)
Baillie, A.C. *et al, J. Chem. Soc. (C)*, 1966, 2185 (*synth*)
Japan. Pat., 7 102 977, (*1971*); *CA*, **74**, 141384 (*synth*)
Japan. Pat., 7 102 978, (*1971*); *CA*, **75**, 48769h (*synth*)
Chapelle, J.P., *Phytochemistry*, 1974, **13**, 662 (*isol, deriv*)
Mehendale, A.R. *et al, Phytochemistry*, 1975, **14**, 801 (*isol*)
Yano, H. *et al, Chem. Pharm. Bull.*, 1980, **28**, 1207 (*cmr*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 484.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9307.

5-Hydroxy-1,4-naphthoquinone H-00179

5-Hydroxy-1,4-naphthalenedione, 9CI. ***Juglone***

[481-39-0]

$C_{10}H_6O_3$ M 174.156

Occurs in *Juglans* spp.; leaves and nuts of *Carya illinoensis*, leaves of *Pterocarya fraxinifolia*, and *Lomatia* spp. Also prod. by *Penicillium diversum* var. *aureum* and a mutant of *Verticillium dahliae*. Alleopathic and antihaemorrhagic agent. Yellow needles (C_6H_6/pet. ether). Mp 155°. Sublimes. Steam-volatile.

▷QJ5775000.

Ac: [5196-28-1].

$C_{12}H_8O_4$ M 216.193

Yellow plates (EtOH). Mp 154-155°.

1-Monoxime:

$C_{10}H_7NO_3$ M 189.170

Red needles (EtOH aq.). Mp 187-187.5°.

4-Monoxime:

$C_{10}H_7NO_3$ M 189.170

Mp 203°.

2,3-Dihydro: [6312-53-4]. *2,3-Dihydro-5-hydroxy-1,4-naphthalenedione, 9CI.* ***β-Hydrojuglone.***

$C_{10}H_8O_3$ M 176.171

Isol. from seeds of *L. tinctoria* and leaves of *L. obliqua*. Greenish-yellow needles ($CHCl_3$). Mp 96-97°. Oxid. to Juglone on standing.

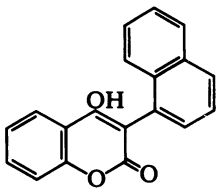
Cradwick, P.D. *et al, Acta Crystallogr., Sect. B*, 1971, **27**, 1468 (*cryst struct*)

Moir, M. *et al*, *Phytochemistry*, 1973, **12**, 1351 (*isol, deriv*)
Hanson, R.W., *J. Chem. Educ.*, 1976, **53**, 400 (*synth, props*)
Kobayashi, M. *et al*, *Tetrahedron Lett.*, 1976, 619 (*cmr*)
Torssell, K., *Acta Chem. Scand., Ser. B*, 1976, **30**, 353 (*synth*)
Grundmann, C., *Synthesis*, 1977, 644 (*synth, bibl*)
Farina, F. *et al*, *Synthesis*, 1985, 781 (*synth*)

4-Hydroxy-3-(1-naphthyl)-2*H*-1-benzopyran-2-one H-00180

3-(1-Naphthyl)-4-hydroxycoumarin. N.H.C.

[39923-41-6]



$C_{19}H_{12}O_3$ M 288.302

Anticoagulant. Mp 225°.

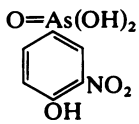
▷GN7575000.

Moraux, J. *et al*, *Arch. Int. Pharmacodyn.*, 1953, **94**, 47 (*pharmacol*)
Moraux, J. *et al*, *Therapie*, 1956, **11**, 104 (*pharmacol*)
Mentzer, C. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 480 (*synth*)
van Zanten, B. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1961, **80**, 95 (*synth*)
van Zanten, B. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 29 (*pharmacol*)
Bravič, G. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1974, **278**, 601 (*cryst struct*)

4-Hydroxy-3-nitrophenylarsonic acid, 9CI H-00181

4-Hydroxy-3-nitrobenzenearsonic acid. ***Roxarsone****, INN, BAN, USAN. Ren-O-sal. Ristat. NSC 2101*

[121-19-7]



$C_6H_6AsNO_6$ M 263.038

Analytical reagent. Used to control enteric infections in chickens and to improve growth and feed efficiency. Pale yellow needles or plates (H_2O). Spar. sol. hot H_2O. Mp >300°. Puffs up and deflagrates on heating.

▷Highly toxic orally. CY5250000.

Benda, L. *et al*, *Ber.*, 1911, **44**, 3445 (*synth*)
Izmailskii, V.A. *et al*, *Khim. Farm. Prom.*, 1933, 317; *CA*, **28**, 3721 (*synth*)
Chatterjee, A. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 3593 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13220.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 863.

8-Hydroxy-5-nitroquinoline H-00182

5-Nitro-8-quinolinol, 9CI. ***Nitroxoline****, BAN, INN. Enterocol. Nibiol. Noxibiol. Uritrol. Urolin. Other proprietary names*

[4008-48-4]

$C_9H_6N_2O_3$ M 190.158

Antibacterial, antifungal agent. Yellow cryst. (EtOH or AcOH). Mp 179.5-181.5°. Steam-volatile.

▷VC8225000.

B,HCl: Yellow cryst. (EtOH). Mp 258°.

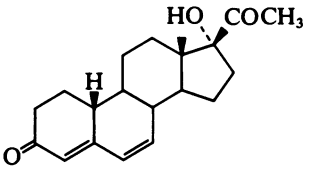
Me ether: [17012-47-4].
$C_{10}H_8N_2O_3$ M 204.185
Cryst. (EtOH). Mp 151-155°.

Et ether: [19746-57-7].
$C_{11}H_{10}N_2O_3$ M 218.212
Yellow cryst. Mp 128°.

Pratt, Y.T. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1155 (*synth*)
Desvignes, A. *et al*, *Ann. Pharm. Fr.*, 1963, **21**, 803 (*pharmacol*)
Gershon, H. *et al*, *J. Heterocycl. Chem.*, 1971, **8**, 821 (*synth*)
Daoulas, R. *et al*, *Nouv. Presse Med.*, 1973, **2**, 1135 (*pharmacol*)
Voronin, V.G. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 82 (*synth*)
Balogh, F. *et al*, *Ther. Hung.*, 1978, **26**, 20 (*pharmacol*)
Kidric, J. *et al*, *Org. Magn. Reson.*, 1981, **15**, 280 (*pmr, cmr*)
Ermakov, A.I. *et al*, *Khim.-Farm. Zh.*, 1985, **19**, 199 (*ms, nmr, uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1084.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5664.

17-Hydroxy-19-norpregna-4,6-diene-3,20-dione, 9CI H-00183

Δ^6-17-Hydroxy-19-norprogesteron-17-ol



$C_{20}H_{26}O_3$ M 314.424

Progestin.

(17R)-form [58769-17-8]
Gestadienol, INN
Progestin.

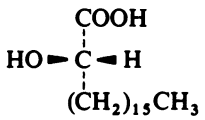
Ac: Cryst. (EtOAc). Mp 232-234°.

Ger. Pat., 2 527 311, (*1976*); *CA*, **84**, 135949w (*synth, pharmacol*)

2-Hydroxyoctadecanoic acid, 9CI H-00184

2-Hydroxystearic acid

[629-22-1]



(S)-form
Absolute configuration

$C_{18}H_{36}O_3$ M 300.481

Occurs in Actinomycetales bacteria and the sphingolipids of the influenza virus. Has mycobactericidal activity.

(S)-form [26531-80-6]
Occurs in wool wax. Mp 76.5-77.5°.

Me ester:
$C_{19}H_{38}O_3$ M 314.507
Mp 38.5-39.5°. $[\alpha]_D$ +3.8° ($CHCl_3$).

(±)-form
Mp 93°.

Me ester: [2420-35-1]. Mp 65.7-65.9°.

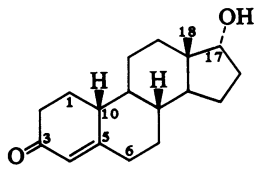
Et ester:
$C_{20}H_{40}O_3$ M 328.534
Mp 62-63°.

Amide:
$C_{18}H_{37}NO_2$ M 299.496
Mp 148-149°.

Darzens, G., *C. R. Hebd. Seances Acad. Sci.*, 1933, **196**, 348.
Fischmeister, I., *Ark. Kemi*, 1967, **27**, 167 (*ir*)

Yano, I. *et al*, *FEBS Lett.*, 1969, **4**, 96.
Hammerstrom, S. *et al*, *Anal. Biochem.*, 1973, **52**, 169 (*resoln*)
Karlsson, K.A. *et al*, *Chem. Phys. Lipids*, 1974, **12**, 65 (*synth*)
Tulloch, A.P., *Org. Magn. Reson.*, 1978, **11**, 109 (*cmr*)

17-Hydroxy-4-oestren-3-one H-00185



$C_{18}H_{26}O_2$ M 274.402

17α-form [4409-34-1]
Cryst. (Me_2CO/hexane). Mp 112-115° and 146-149° (double Mp).

17β-form [434-22-0]
Nandrolone, BAN, INN. *19-Nortestosterone. Norandrostenolone. Iebolen. Nortestonate. Oestrenolone. SG 4341*
Anabolic. Cryst. (CH_2Cl_2/Et_2O). Mp 111-112°, Mp 124° (double Mp) (dimorphic). $[\alpha]_D^{22}$ +55° (c, 0.93 in $CHCl_3$). λ_{max} 241 nm (EtOH).
▷KG7964000.

Ac:
$C_{20}H_{28}O_3$ M 316.439
Cryst. Mp 91-93°.

Decanoyl: [360-70-3]. ***Nandrolone decanoate, USAN, BAN.*** *Deca-durabolin. Numerous proprietary names.*
$C_{28}H_{44}O_3$ M 428.654
Anabolic. Cryst. (EtOH aq.). Mp 38-39°. $[\alpha]_D$ +40.2° (c, 1 in $CHCl_3$).
▷KG7967000.

Phenylpropanoyl: [62-90-8]. ***Nandrolone phenylpropionate, BAN.*** *Nandrolone hydrocinnamate. Durabolin. Nandrolone phenpropionate, USAN. NSC 23162. Numerous proprietary names.*
$C_{27}H_{34}O_3$ M 406.564
Anabolic. Cryst. Mp 95-96°. $[\alpha]_D$ +58° ($CHCl_3$).
▷KG7995000.

Propanoyl: [7207-92-3]. ***Nandrolone propionate.*** *Anabolicus. Nor-Anabol. Nortesto. Norybol 19. Pondus. Testobolin.*
$C_{21}H_{30}O_3$ M 330.466
Anabolic. Cryst. (MeOH aq.). Mp 55-60°. $[\alpha]_D^{23.5}$ +58° ($CHCl_3$).

4-Hexyloxyphenylpropanoyl: [52279-57-9]. ***Nandrolone hexyloxyphenylpropionate.*** *Anador. Anadur. Anadurine. PNS.* Anabolic. Cryst. Mp 53-55°. $[\alpha]_D$ +45° (c, 1 in dioxan).

4-Methylbicyclo[2.2.2]oct-2-enecarboxylate: [22263-51-0]. ***Nandrolone cyclotate, USAN.*** *RS 3268R.*
$C_{28}H_{38}O_3$ M 422.606
Anabolic. Cryst. (Me_2CO/hexane). Mp 196-201°.

1-Adamantanecarboxylate: see Bolmantalate, B-00250

3-Carboxypropanoyl: [6785-62-2]. ***Nandrolone hydrogen succinate.*** *Anabolico. Menidrabol.*
$C_{22}H_{30}O_5$ M 374.476
Anabolic. Cryst. (Me_2CO/pet. ether). Mp 170-171°.

Bis(2-chloroethyl)carbamoyl: [3096-15-9]. ***Nandrolone 17-bis(2-chloroethyl)carbamate.*** *LS 1727.*
$C_{23}H_{33}Cl_2NO_3$ M 442.425
Antineoplastic agent. Cryst. (Me_2CO aq.). Mp 160.5-162°. $[\alpha]_D^{20}$ +67.3° (c, 1 in dioxan).

Cyclohexanecarboxylate: [18470-94-5]. ***Nandrolone cyclohexane carboxylate.*** *Nandrolone hexahydrobenzoate. Nor-Durandron. Norlongandron. NSC 3351.*
$C_{25}H_{36}O_3$ M 384.558
Anabolic. Prisms (pet. ether). Mp 90-91° (88-89°). $[\alpha]_D^{20}$ +50° (c, 0.5 in $CHCl_3$).

Cyclohexanepropanoyl: [912-57-2]. ***Nandrolone cyclohexylpropionate, BAN.*** *Andol. Fherbolico. Megabolin. Pluropon (old form). Proteron-Depot. Sanabolicum. NTCHP.*
$C_{27}H_{40}O_3$ M 412.611
Anabolic. Mp 80°.

Cyclopentanepropanoyl: [601-63-8]. ***Nandrolone cipionate.*** *Anabo. Depo-Nortestonate. Nortestrionate. Plur-opon (old form). Sterocrinolo.*
$C_{26}H_{38}O_3$ M 398.584
Anabolic.

Dodecanoyl: ***Nandrolone laurate, BAN.*** *Clinibolin. Fortadex. Laurabolin.*
$C_{30}H_{48}O_3$ M 456.707
Anabolic. Mp 45-46°. $[\alpha]_D$ +37.4° ($CHCl_3$).

(2-Furanyl)propanoyl: [7642-64-0]. ***Nandrolone furylpropionate.*** *Demelon. NFP.*
$C_{25}H_{32}O_4$ M 396.525
Anabolic. Cryst. (MeOH). Mp 87-89°.

Hexanoyl: [52230-62-3]. ***Nandrolone caproate.*** *Anabolin. Depot.*
$C_{24}H_{36}O_3$ M 372.547
Anabolic. Oil.

Sulfo: [98804-55-8].
$C_{18}H_{26}O_5S$ M 354.460
Anabolic.

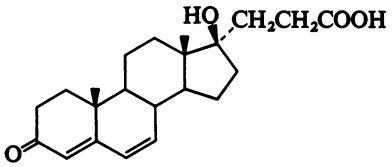
Sulfo, Na salt: [60672-82-4]. ***Nandrolone sulfate sodium.*** *Keratyl.*

Undecanoyl: [862-89-5]. ***Nandrolone undecylate.*** *Dynabolin. Psychobolan.*
$C_{29}H_{46}O_3$ M 442.681
Anabolic. Cryst. (pet. ether). Mp 55-56°. $[\alpha]_D$ +54.6°.

Birch, A.J., *Quart. Rev.*, 1950, **4**, 69 (*rev*)
Wilds, A.L. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 5366 (*synth, pharmacol*)
Hartman, J.A. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 5662 (*cyclohexanecarboxylate*)
U.S.P., 2 891 973, (*1959*); *CA*, **54**, 2440 (*cyclohexanecarboxylate*)
B.P., 840 957, (*1960*); *CA*, **55**, 9478 (*esters*)
Giannini, M. *et al*, *Boll. Chim. Farm.*, 1960, **99**, 24 (*succinate*)
Rao, P.N., *J. Org. Chem.*, 1960, **25**, 1058 (*propanoate*)
Robinson, C.H. *et al*, *J. Org. Chem.*, 1960, **25**, 2247 (*synth*)
Overbeek, G.A. *et al*, *Acta Endrocrinol.*, 1961, Suppl. **63**, 7, 11, 18, 33, 36, 48 (*pharmacol, derivs*)
Pelc, B., *Collect. Czech. Chem. Commun.*, 1962, **27**, 2706 (*phenylpropanoate*)
Diczfalusy, E. *et al*, *Acta Chem. Scand.*, 1963, **17**, 2536 (*hexyloxyphenylpropanoate*)
Evans, D.D. *et al*, *J. Chem. Soc.*, 1963, 3578 (*phenylpropanoate*)
Ueberwasser, H. *et al*, *Helv. Chim. Acta*, 1963, **46**, 344 (*synth, deriv*)
Austrian Pat., 238 383, (*1965*); *CA*, **62**, 10487 (*cyclohexanepropanoate*)
Fr. Pat., M3371, (*1965*); *CA*, **64**, 3640 (*undecanoate*)
Japan. Pat., 66 8 567, (*1966*); *CA*, **65**, 12264 (*furylpropanoate*)
Ger. Pat., 1 249 862, (*1967*); *CA*, **68**, 3118 (*carbamate*)
Reich, H.J. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 7445 (*cmr*)
Banerjee, D.K. *et al*, *J. Indian Chem. Soc.*, 1970, **47**, 199 (*uv, ir, pmr*)
Scribner, R.M. *et al*, *J. Med. Chem.*, 1970, **13**, 952 (*cyclotate*)
Chaudry, M.A.Q. *et al*, *J. Med. Chem.*, 1974, **17**, 157 (*hexanoate*)
Micheli, R.A. *et al*, *J. Org. Chem.*, 1975, **40**, 675 (*synth*)
Precigoux, G. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1527 (*cryst struct*)
Chaudry, M.A.Q. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 882 (*esters*)
Hobe, G. *et al*, *Endokrinologie*, 1976, **67**, 282 (*sulfo*)
Delaroff, V. *et al*, *Tetrahedron*, 1979, **35**, 2681 (*pmr, cd, conformn*)

Holmberg, K. *et al*, *Acta Chem. Scand., Ser. B*, 1979, **33**, 410 (*hexyloxyphenylpropanoate*)
Tsuji, J. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 5070 (*synth*)
Shimizu, I. *et al*, *Tetrahedron Lett.*, 1980, 487 (*synth*)
Quinkert, G. *et al*, *Justus Liebigs Ann. Chem.*, 1981, 2335; 1982, 1999 (*synth*)
Rizvi, S.Q.A. *et al*, *J. Org. Chem.*, 1981, **46**, 1127 (*cmr*)
Lupon, P. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1983, **22**, 711 (*synth*)
Bhadbhadl, M.M. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1905 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7562, 7727 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9072, 9073, 9074, 12997, 12998.

17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid, 8CI H-00186



$C_{22}H_{30}O_4$ M 358.477

17α-form [4138-96-9]

Canrenoic acid, BAN, INN

Diuretic drug. Aldosterone antagonist. Used mainly as K salt.

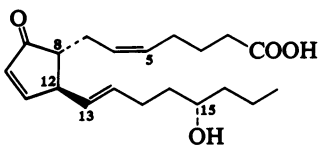
K salt: [2181-04-6]. *Potassium canrenoate, INN, JAN. Canronoate potassium, USAN. Venactone. Soldactone. SC 14266. Other proprietary names.*

▷TU3500000.

γ-Lactone: see Canrenone, C-00027

Karim, A. *et al*, *J. Pharm. Sci.*, 1971, **60**, 708 (*metab*)
Ramsay, L.E. *et al*, *Br. J. Clin. Pharmacol.*, 1976, **3**, 607 (*pharmacol*)
Rohrer, D.C. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 237 (*cryst struct*)
Moleva, N.I. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 89 (*synth*)
Boreham, D.R. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 524 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6694 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2313.

15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid, 9CI H-00187



$C_{20}H_{30}O_4$ M 334.455

(5Z,8R,12S,13E,15S)-form [13345-50-1]

15α-(5Z,13E)-form. Prostaglandin A_2. PGA_2

Constit. of *Plexaura homomalla*. Oil. $[\alpha]_D^{20}$ +140° (c, 1.15 in $CHCl_3$).

▷UK8050000.

Me ester: [31753-19-2]. Pale-yellow oil. $[\alpha]_D$ +148°.

15-Ac: [36323-03-2]. $[\alpha]_D$ +102°.

(5Z,8R,12S,13E,15R)-form

15β-(5Z,13E)-form. 15-epi-PGA_2

Constit. of *P. homomalla*.

(5E,8R,12S,13E,15S)-form

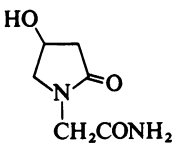
15α-(5E,13E)-form. (5E)-PGA_2

Constit. of *P. homomalla*. Pale-yellow oil. $[\alpha]_D$ +128°, +137° ($CHCl_3$).

Weinheimer, A.J. *et al*, *Tetrahedron Lett.*, 1969, 5158 (*isol, struct*)
Bundy, G.L. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 2124 (*isol, uv*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 6831 (*synth*)
Lukacs, G. *et al*, *Tetrahedron Lett.*, 1973, 515 (*cmr*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 1583 (*synth, uv*)
Schneider, W.P. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 1222 (*isol, ir, uv, ms*)
Uekama, K. *et al*, *Chem. Lett.*, 1977, 1389 (*cd*)
Buendia, J. *et al*, *Bull. Soc. Chim. Fr.*, 1978, 140 (*synth, uv, ir, pmr, ms*)
Greene, A.E. *et al*, *J. Org. Chem.*, 1978, **43**, 4377 (*isol*)
Finch, M.A.W. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 677 (*synth*)
Greene, A.E. *et al*, *J. Org. Chem.*, 1982, **47**, 2553 (*synth*)
Newton, R.F. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 683 (*synth*)
Suemune, H. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 15 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8093.

4-Hydroxy-2-oxo-1-pyrrolidineacetamide, 9CI H-00188

[62613-82-5]



$C_6H_{10}N_2O_3$ M 158.157

(±)-form [68567-97-5]

Oxiracetam, INN. *Neuromet. ISF 2522*

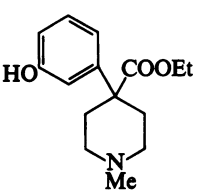
Drug which enhances learning ability (nootropic). Cryst. (MeOH). Mp 168°.

Ger. Pat., 2 635 853, (*1977*); *CA*, **87**, 171253q (*synth, pharmacol*)
Pifferi, G. *et al*, *Farmaco, Ed. Sci.*, 1977, **32**, 602 (*synth, pharmacol*)
Nicolaus, B.J.R., *Drug Dev. Res.*, 1982, **2**, 463 (*rev, pharmacol*)
Banfi, S. *et al*, *Farmaco, Ed. Sci.*, 1984, **39**, 16 (*synth, pharmacol*)
Perucca, E. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1984, 267.
Bandoli, G. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 4395 (*cryst struct*)
Visconti, M. *et al*, *J. Chromatogr.*, 1987, **416**, 433 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16922.

Hydroxypethidine, BAN, INN H-00189

Ethyl 4-(3-hydroxyphenyl)-1-methylpiperidine-4-carboxylate. 4-(m-Hydroxyphenyl)-1-methylisonipecotic acid ethyl ester. Bemidone. Biphenal. Demidone. Oxydolantin. Hoechst 10446. Win 771

[468-56-4]



$C_{15}H_{21}NO_3$ M 263.336

Narcotic analgesic. Cryst. (EtOH). Mp 110°.

▷NS5650000.

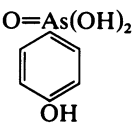
B,HCl: Mp 173-174°.

Scott, C.C. *et al*, *Science* (*Washington*), 1946, **104**, 587 (*pharmacol*)
Small, L.F., *Ann. N.Y. Acad. Sci.*, 1948, **51**, 12 (*synth*)
Morrison, A.L. *et al*, *J. Chem. Soc.*, 1950, 1467 (*synth*)
Levi, L. *et al*, *Bull. Narc.*, 1954, **6**, 20 (*ir*)
Oestreicher, P.M. *et al*, *Bull. Narc.*, 1954, **6**, 42 (*uv*)
Clark, E.G.C., *Bull. Narc.*, 1959, **11**, 27 (*cryst struct*)

4-Hydroxyphenylarsonic acid, 8CI H-00190

Oxarsanilic acid

[98-14-6]



$C_6H_7AsO_4$ M 218.041

Prisms (AcOH). Mp 177-178° dec.

▷Toxic. CY5075000.

Na salt: Cryst. (EtOH aq.).

Formaldehyde polymer mixt.: [54531-52-1]. ***Polybenzarsol, INN.*** *Benzarsol. Benzocal. Benzodol. Benzoral.* Antiprotozoal agent. LD_{50} 235 mg/kg; mice, i.p.

▷CH9495000.

Barrowcliff, M. *et al*, *J. Chem. Soc.*, 1908, **93**, 1895 (*synth*)
Bertheim, A., *Ber.*, 1908, **41**, 1854 (*synth*)
Org. Synth., Coll. Vol., **1**, 490 (*synth*)
Faith, H.E., *J. Am. Chem. Soc.*, 1950, **72**, 837 (*polybenzarsol*)
Ueda, T. *et al*, *J. Pharm. Sci. Jpn.*, 1951, **71**, 821 (*synth*)
Jones, W.R. *et al*, *Antibiot. and Chemother.*, 1958, **8**, 400 (*polybenzarsol*)
Morgan, W.E. *et al*, *Inorg. Chem.*, 1972, **11**, 219.

Hydroxyphenylmercury, 9CI H-00191

Phenylmercury hydroxide

[100-57-2]

PhHgOH

C_6H_6HgO M 294.703

Polymerisation catalyst, defoliant. Prisms (H_2O). Sol. hot H_2O. Mp 234-237°. Probably converts to $(PhHg)_2O$ below the Mp.

▷Caustic. OW4940000.

Ac: [62-38-4]. [(*Acetato*-O)*phenylmercury*], *9CI. Anticon. Contracept. Gynophen. Phenylmercuric acetate, USAN. Senomen. Other synonyms.*
$C_8H_8HgO_2$ M 336.740
Disinfectant, spermicide. Lustrous cryst. Mp 152°.

▷LD_{50} 22 mg/kg; rat, p.o. OV6475000.

Borate: [102-98-7]. [[*Orthoborato*(*1*−)-O]*phenyl*]-*mercury, 9CI.* ***Phenylmercuric borate, INN.*** *Aderman. Exomicol. Fenosept. Hydromercury. Merfen. Spidox. Other synonyms.*
$C_{12}H_{13}BHg_2O_4$ M 633.222
Disinfectant, antifungal. Mp 112-113°. Coml. product may be a mixt. of phenylmercury borate and phenylmercury hydroxide.

Nitrate: [55-68-5]. [(*Nitrato*-O)*phenylmercury*], *9CI. Coldip. Phenylmercuric nitrate, USAN. Other synonyms.* Disinfectant.

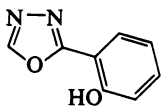
▷OW8400000.

U.S.P., 2 196 384, (*1950*) (*synth, borate*)
Barr, M. *et al*, *J. Am. Pharm. Assoc.*, 1957, **46**, 442 (*activity*)
Schatmaier, H.G. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 517 (*activity, borate*)
Kohn, S.R. *et al*, *J. Pharm. Sci.*, 1963, **52**, 967 (*props, nitrate*)
Kozlik, V. *et al*, *Pharmazie*, 1965, **20**, 106 (*props, acetate, borate*)
Bloodworth, A.J., *J. Organomet. Chem.*, 1970, **23**, 27 (*synth, ir*)
Daniel, J.W. *et al*, *Biochem. J.*, 1972, **129**, 961 (*metab, acetate*)
Kamanar, B. *et al*, *Inorg. Chim. Acta*, 1972, **6**, 191 (*cryst struct, Ac*)
Moreau, P. *et al*, *J. Fluorine Chem.*, 1982, **20**, 715 (*synth, acetate, nitrate*)
Naumann, D. *et al*, *J. Fluorine Chem.*, 1983, **23**, 37 (*pmr, acetate*)
Kunda, S.A. *et al*, *Synth. Commun.*, 1984, **14**, 755 (*synth, acetate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 408, 6659.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 408.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 382.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 100, 1748.

2-(2-Hydroxyphenyl)-1,3,4-oxadiazole H-00192

o-*1,3,4-Oxadiazol-2-ylphenol, 8CI.* ***Fenadiazole, INN.*** *Hypnazol. Eudormil. Viodor. JL 512*

[1008-65-7]



$C_8H_6N_2O_2$ M 162.148

Hypnotic, sedative. Mp 111-112°. $Bp_{0.1}$ 180°.

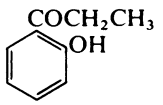
▷SM5850000.

Maillard, J. *et al*, *Bull. Soc. Chim. Fr.*, 1961, 529 (*synth*)
Vincent, M. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 1580 (*synth, pharmacol*)

1-(4-Hydroxyphenyl)-1-propanone H-00193

4'-Hydroxypropiophenone. Ethyl p-*hydroxyphenyl ketone.* p-*Propionylphenol.* ***Paroxypropione, INN.*** *Paroxypropiophenone. Frenantol. Hypophenon. Profenone. NSC 2834. Numerous proprietary names*

[70-70-2]



$C_9H_{10}O_2$ M 150.177

Pituitary gonadotropic hormone inhibitor. Needles or prisms (H_2O). Mp 149°.

▷UH1925000.

Me ether: [121-97-1]. p-*Propionylanisole.*
$C_{10}H_{12}O_2$ M 164.204
Needles (Et_2O). Mp 27-29°. Bp 273-275°, Bp_2 107°.

Me ether, oxime:
$C_{10}H_{13}NO_2$ M 179.218
Needles (EtOH). Mp 74° (67°). Bp_{14} 153-154°.

Ac: [25743-56-0].
$C_{11}H_{12}O_3$ M 192.214
Cryst. (pet. ether). Mp 62°.

2,4-Dinitrophenylhydrazone: [5985-48-8]. Ruby-red cryst. Mp 229°.

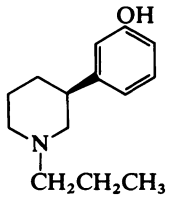
Org. Synth., Coll. Vol., **2**, 543.
Klages, A., *Ber.*, 1902, **35**, 2262.
v. Auwers, K., *Justus Liebigs Ann. Chem.*, 1915, **408**, 212.
Noller, C.R. *et al*, *J. Am. Chem. Soc.*, 1924, **46**, 1889.
Unger, F., *Justus Liebigs Ann. Chem.*, 1933, **504**, 267.

Scott, C.C. *et al*, *Endocrinology*, 1952, **50**, 607 (*metab, tox*)
D'Alo, F., *Farmaco, Ed. Prat.*, 1961, **16**, 338 (*rev*)
Royer, R. *et al*, *J. Org. Chem.*, 1961, **26**, 4308 (*synth*)
Santavy, F. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 1825 (*ir*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1181.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13083.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1362.

3-(3-Hydroxyphenyl)-1-propylpiperidine H-00194

3-(1-Propyl-3-piperidinyl)phenol, 9CI. 3-PPP

[75240-91-4]



(*S*)-*form*

$C_{14}H_{21}NO$ M 219.326

(*S*)-*form* [85966-89-8]

Preclamol, INN

Dopaminergic, antipsychotic agent. Oil.

B,HCl: [88768-67-6]. Cryst. (EtOH/Et_2O). Mp 187-188°. $[\alpha]_D^{20}$ −7.1° (c, 2.2 in MeOH).

(±)-*form* [83228-38-0]

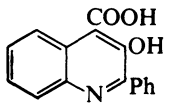
B,HBr: [79412-27-4]. Cryst. (2-propanol/Et_2O). Mp 146-147.5°.

Hacksell, U. *et al*, *J. Med. Chem.*, 1981, **24**, 1475 (*synth, pharmacol*)
Arnold, W. *et al*, *Tetrahedron Lett.*, 1983, **24**, 343 (*synth, resoln*)
Langham, B.J. *et al*, *Chem. Ind. (London)*, 1983, 168 (*synth*)
Wikstroem, H. *et al*, *J. Med. Chem.*, 1984, **27**, 1030 (*synth, pharmacol*)
Carlsson, A., *Psychopharmacol. Suppl.*, 1985, **2**, 31 (*rev, pharmacol*)
Clark, D. *et al*, *J. Neural. Transm.*, 1985, **62**, 1, 171 (*revs*)
Thorberg, S.-O. *et al*, *Tetrahedron*, 1985, **41**, 129 (*synth, cryst struct*)
Rollema, H. *et al*, *J. Med. Chem.*, 1986, **29**, 1889 (*resoln, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 232.

3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, 9CI H-00195

3-Hydroxy-2-phenylcinchoninic acid, 8CI. 3-Hydroxycinchophen. ***Oxycinchophen,*** *BPC,* ***INN****. Atoreuma. Chinoxone. Fenidrone. Magnophenyl. Oxinofen. Reumalon. Reumartril. Sintofene. Astra 1410*

[485-89-2]



$C_{16}H_{11}NO_3$ M 265.268

Uricosuric drug, antidiuretic. Dark-yellow prisms (EtOH). Mp 206-207° dec.

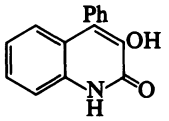
▷GD3900000.

John, H. *et al*, *J. Prakt. Chem.*, 1932, **133**, 259 (*synth*)
Marshall, E.K. *et al*, *J. Pharmacol.*, 1949, **95**, 186 (*synth*)
Northover, B.J., *Br. J. Pharmacol. Chemother.*, 1967, **31**, 483 (*pharmacol*)
Northover, B.J., *J. Pathol. Bacteriol.*, 1967, **94**, 206 (*pharmacol*)

3-Hydroxy-4-phenyl-2(1*H*)-quinolinone H-00196

2,3-Dihydroxy-4-phenylquinoline. Viridicatin

[129-24-8]



$C_{15}H_{11}NO_2$ M 237.257

Isol. from *Penicillium viridicatum* and *P. cyclopium*. Active against *Mycobacterium tuberculosis* at dilution 1:15,000. Needles (MeOH). Mp 268°.

Me ether: ***3-Methoxy-4-phenyl-2(1H)-quinolinone.***
$C_{16}H_{13}NO_2$ M 251.284
Metab. of *P. puberulum*. Prisms (MeOH). Mp 248-249°.

Ac:
$C_{17}H_{13}NO_3$ M 279.295
Prisms (EtOH aq.). Mp 200-201°.

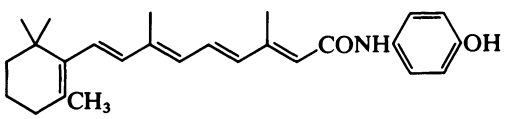
3'-Hydroxy: ***Viridicatol****. 3-Hydroxy-4-(3-hydroxyphenyl)-2(1H)-quinolinone, 9CI.*
$C_{15}H_{11}NO_3$ M 253.257
From *P. viridicatum*. Cryst. (EtOAc). Mp 280°.

Cunningham, K.G. *et al*, *Biochem. J.*, 1953, **53**, 328.
Eistert, B. *et al*, *Z. Naturforsch., B*, 1962, **17**, 202 (*synth*)
Birkinshaw, J.H. *et al*, *Biochem. J.*, 1963, **89**, 196 (*deriv*)
Luckner, M. *et al*, *Tetrahedron Lett.*, 1964, 1987 (*deriv*)
Rapoport, H. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 6083.
McCamish, M. *et al*, *Org. Mass Spectrom.*, 1970, **4**, 241 (*ms*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 834.

N-(4-Hydroxyphenyl)retinamide, 9CI H-00197

Fenretinide, *INN,* ***USAN****. HPA. McN-R 1967*

[65646-68-6]



$C_{26}H_{33}NO_2$ M 391.552

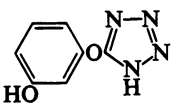
Antineoplastic agent. Mp 162-163°.

Moon, R.C. *et al*, *Cancer Res.*, 1979, **39**, 1339 (*synth, pharmacol*)
Coburn, W.C. *et al*, *J. Chem. Eng. Data*, 1983, **28**, 422 (*pmr, cmr, uv, ir, ms*)
Sani, B.P. *et al*, *Toxicol. Appl. Pharmacol.*, 1983, **70**, 228 (*tox*)
Shealy, Y.F. *et al*, *J. Pharm. Sci.*, 1984, **73**, 745 (*synth*)
Hultin, T.A. *et al*, *Drug Metab. Dispos.*, 1986, **14**, 714 (*metab*)

5-(3-Hydroxyphenyl)-1*H*-tetrazole H-00198

3-(1H-Tetrazol-5-yloxy)phenol, 9CI. ***Melizame,*** *USAN,* ***INN****. Lilly 56063*

[26921-72-2]



$C_7H_6N_4O_2$ M 178.150

Sweetener. Cryst. (H_2O). Mp 141-143°.

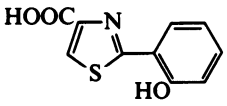
Na salt: Mp 130-135° (as dihydrate).

U.S.P., 3 515 727, (*1970*); *CA*, **72**, 120260t (*synth, use*)
Ger. Pat., 2 250 960, (*1973*); *CA*, **79**, 9775 (*use*)

2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid, 9CI H-00199

Aeruginoic acid

[27501-91-3]



$C_{10}H_7NO_3S$ M 221.230

Isol. from cultures of *Pseudomonas aeruginosa* and *P. cepacia*. Antibiotic showing antimicrobial, antiinflammatory and hypotensive activity. Mp 271-272°. λ_{max} 212 (ε 35 000), 282 (9 100), 324 nm (9 300) (EtOH).

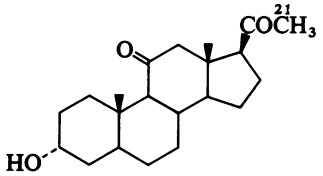
Me ester: [27501-92-4].
$C_{11}H_9NO_3S$ M 235.257
Isol. from cultures of *P. aeruginosa*. Mp 138°.

Me ester, Ac: [27501-93-5].
$C_{13}H_{11}NO_4S$ M 277.294
Mp 99°.

Aldehyde: [83053-39-8]. *2-(2-Hydroxyphenyl)-4-thiazolecarboxaldehyde, 9CI.*
$C_{10}H_7NO_2S$ M 205.231
From *P. cepacia*. Mp 126-127°.

Ger. Pat., 2 045 819, (*1969*); *CA*, **75**, 18612j
Yamada, Y. *et al*, *Agric. Biol. Chem.*, 1970, **34**, 780 (*isol, uv*)
Bukovits, G.J. *et al*, *Z. Naturforsch., B*, 1982, **37**, 877 (*isol*)

3-Hydroxy-11,20-pregnanedione H-00200



$C_{21}H_{32}O_3$ M 332.482

(3α,5α)-form [23930-19-0]

Alphaxalone, BAN. *Alfaxalone, INN, JAN*

General anaesthetic used in combination with alphadolone acetate. Cryst. (Et_2O). Mp 172-174°. $[\alpha]_D^{26}$ +113.4° (c, 1.2 in $CHCl_3$).

▷TU4157190.

21-Hydroxy: [14107-37-0]. *3α,21-Dihydroxypregnane-11,20-dione.* ***Alphadolone, BAN.*** *Alfadolone, INN.*
$C_{21}H_{32}O_4$ M 348.481
Anaesthetic.

▷TU4157175.

21-Acetoxy: [23930-37-2]. *Alphadolone acetate, USAN.*
$C_{23}H_{34}O_4$ M 374.519
Anaesthetic. Cryst. (Me_2CO/hexane). Mp 175-177°. $[\alpha]_D^{26}$ +97° (c, 1 in $CHCl_3$).

(3α,5β)-form [565-99-1]

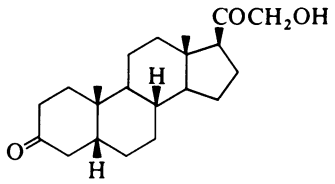
Renanolone, INN

$C_{21}H_{32}O_3$ M 332.482
Anaesthetic. Mp 169-171°. $[\alpha]_D^{20}$ +105° ($CHCl_3$).

▷TU4157200.

Mancera, O. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 3711 (*synth*)
Gyermek, L. *et al*, *J. Med. Chem.*, 1968, **11**, 117 (*synth, pharmacol*)
Vandenheuvel, F.A. *et al*, *J. Chromatogr.*, 1968, **38**, 439 (*glc*)
Browne, P.A. *et al*, *J. Chem. Soc. (C)*, 1969, 1653 (*synth*)
Ende, M. *et al*, *Monatsh. Chem.*, 1971, **102**, 929 (*ms*)
Shoppi, C.W. *et al*, *Tetrahedron, Suppl.* **8**, 1971, 421 (*synth, ms, pmr*)
Midgley, J.M. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1978, 1042 (*cryst struct*)
Duax, W.L. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 6705 (*conformn, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3102, 3103.

21-Hydroxy-3,20-pregnanedione H-00201



$C_{21}H_{32}O_3$ M 332.482

5β-form [303-01-5]

Hydroxydione

Mp 152-154°.

21-(3-Carboxypropanoyl): [80-96-6].
$C_{25}H_{36}O_6$ M 432.556
Mp 195-197°.

21-(3-Carboxypropanoyl), Na salt: [53-10-1]. ***Hydroxydione sodium succinate, BAN, INN.*** *Predion. Presuren. Viadril. P 55.* Basal anaesthetic. Powder. Sol. H_2O, Me_2CO, $CHCl_3$. Mp 193-203° dec.

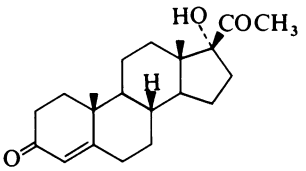
▷TU4157250.

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1940, **23**, 658 (*synth*)
Alberti, C.G. *et al*, *Gazz. Chim. Ital.*, 1949, **79**, 848 (*synth*)
Laubach, G.D. *et al*, *Science*, 1955, **122**, 78 (*synth*)
U.S.P., 2 708 651, (*1956*); *CA*, **50**, 5791 (*synth*)
Das, P.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1957, **121**, 149 (*pharmacol*)
Langecker, H., *Acta Endocrinol.*, 1958, **28**, 148 (*metab*)
Lerman, L.H. *et al*, *Br. J. Pharmacol. Chemother.*, 1960, **15**, 458 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3112.

17-Hydroxy-4-pregnene-3,20-dione H-00202

17-Hydroxyprogesterone

[68-96-2]



$C_{21}H_{30}O_3$ M 330.466

▷TU5060000.

17α-form [604-09-1]

Hydroxyprogesterone, BAN, INN

Present in adrenal glands. Progestogen; free alcohol inactive in man but esters are active progestogens. Rhombic or hexagonal leaflets (EtOH or Me_2CO). Mp 222-223° (218-220°). $[\alpha]_D^{17}$ +105.6° ($CHCl_3$).

Ac: [17308-02-0]. ***Hydroxyprogesterone acetate, INN.*** *Acetoxyprogesterone. Gestageno Gador. Kyormon. Lutate-Inj. Prodix. Prodox. Prokan.*
$C_{23}H_{32}O_4$ M 372.503
Progestogen. Cryst. ($CHCl_3$/MeOH). Mp 239-240°.

Hexanoyl: [630-56-8]. ***Hydroxyprogesterone hexanoate, BAN.*** *Hydroxyprogesterone caproate, USAN, INN. Delalutin. Hyproval P.A.. Pharlon. Proge. Proluton. Numerous proprietary names.*
$C_{27}H_{40}O_4$ M 428.611

Progestogen. Dense needles (MeOH or isopropyl ether). Mp 119-121°. $[\alpha]_D^{20}$ +61° (c, 1 in $CHCl_3$).

▷TU5085000.

Heptanoyl: [4596-16-1]. ***Hydroxyprogesterone heptanoate***. *H.O.P.. Lutogil A.P.. Lutogyl A.P..*

$C_{28}H_{42}O_4$ M 442.637

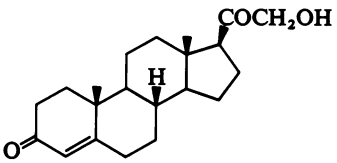
Progestogen. Mp 114-115°. $[\alpha]_D$ +53°.

Pfiffner, J.J. *et al, J. Biol. Chem.*, 1941, **139**, 855 (*isol*)
Batres, E. *et al, J. Org. Chem.*, 1956, **21**, 240 (*derivs*)
U.S.P., 2 777 843, (*1957*); *CA*, **51**, 9724 (*synth*)
Cutler, F.A. *et al, J. Org. Chem.*, 1959, **24**, 1629 (*synth*)
Jankowski, K. *et al, Steroids*, 1972, **19**, 189 (*pmr*)
Bhacca, N.S. *et al, J. Am. Chem. Soc.*, 1973, **95**, 8421 (*cmr*)
Djerassi, C. *et al, Steroids*, 1975, **25**, 817 (*ms*)
Florey, K., *Anal. Profiles Drug Subst.*, 1975, **4**, 209 (*rev, caproate*)
Duax, W.L., *Steroids*, 1979, **34**, 501 (*cryst struct*)
Nitta, I. *et al, Bull. Chem. Soc. Jpn.*, 1985, **58**, 978 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7593.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9057.

21-Hydroxy-4-pregnene-3,20-dione H-00203

11-Deoxycorticosterone. 21-Hydroxyprogesterone. ***Deoxycortone, BAN***. *Desoxycortone, INN. Cortexone. Corthormon. Cortexon. Corticormon. Decortene. Kendall's desoxy compound* B. *Ocriten. Ormosurrenol. Reichstein's substance* Q. *NSC 11319*

[64-85-7]



$C_{21}H_{30}O_3$ M 330.466

Constit. of adrenal cortex. Mineralocorticoid. Cryst. (Et_2O). Mp 141-142°. $[\alpha]_D^{23}$ +178° (EtOH).

▷HG0350000.

Ac: [56-47-3]. ***Deoxycortone acetate, BAN***. *Desoxycorticosterone acetate. Numerous proprietary names.*

$C_{23}H_{32}O_4$ M 372.503

Adrenocortical steroid. Cryst. (Me_2CO). Mp 159-161°. $[\alpha]_D^{10}$ −177° (EtOH).

▷HG0525000.

Cyclopentanepropanoyl: Cortenil-Depot.

$C_{29}H_{42}O_4$ M 454.648

Mineralocorticoid. Cryst. (EtOH). Mp 79-80°. $[\alpha]_D$ +157° (c, 1 in EtOH).

2,2-Dimethylpropanoyl: [808-48-0]. ***Deoxycortone pivalate, BAN***. *Deoxycorticosterone pivalate. Percorten* M.

$C_{26}H_{38}O_4$ M 414.584

Mineralocorticoid. Cryst. (C_6H_6/isopropyl ether). Mp 199-200°. $[\alpha]_D^{23}$ +176° (c, 1 in $CHCl_3$).

β-D-Glucopyranosyl: [4319-56-6]. ***Deoxycortone glucoside***.

$C_{27}H_{40}O_8$ M 492.608

Mineralocorticoid. Mp 190-195°. $[\alpha]_D$ +109° (MeOH).

Heptanoyl: [1420-68-4]. ***Desoxycortone enanthate***.

$C_{28}H_{42}O_4$ M 442.637

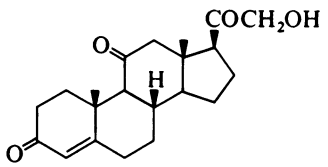
Mineralocorticoid.

Reichstein, T. *et al, Helv. Chim. Acta*, 1937, **20**, 1164; 1938, **21**, 1197 (*isol*)
Schindler, W. *et al, Helv. Chim. Acta*, 1941, **24**, 371 (*synth*)
Meystre, C. *et al, Helv. Chim. Acta*, 1944, **27**, 1153 (*glycoside*)
Gross, F. *et al, Experientia*, 1952, **8**, 75 (*pivalate*)
B.P., 694 462, (*1953*); *CA*, **48**, 10792 (*pivalate*)
B.P., 712 947, (*1954*); *CA*, **49**, 12546 (*cyclopentanepropionate*)
Junkmann, K., *Naunyn-Schmiedebergs Arch. Exp. Pathol. Pharmacol.*, 1955, **227**, 212 (*heptanoate*)
Romo, J. *et al, J. Am. Chem. Soc.*, 1957, **79**, 5034 (*acetate*)
Takeda, K. *et al, J. Biochem.* (*Tokyo*), 1957, **44**, 51 (*acetate*)
Fr. Pat., 1 181 576, (*1959*); *CA*, **55**, 20010 (*cyclopentanepropionate*)
Cocker, J.D. *et al, J. Chem. Soc.*, 1965, 6 (*acetate*)
Schambelan, M. *et al, J. Clin. Endocrinol. Metab.*, 1972, **34**, 695 (*metab*)
Dideberg, O. *et al, Acta Crystallogr., Sect. B*, 1973, **29**, 103 (*cryst struct*)
Gonzalez, M.D. *et al, Org. Magn. Reson.*, 1984, **22**, 586 (*cmr*)
Numazawa, M. *et al, J. Org. Chem.*, 1985, **50**, 81 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6984 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1074, 1075.

21-Hydroxy-4-pregnene-3,11,20-trione H-00204

11-Dehydrocorticosterone. Kendall's compound A. *NSC 9702*

[72-23-1]



$C_{21}H_{28}O_4$ M 344.450

Constit. of adrenal cortex. Glucocorticoid. Prisms (Me_2CO aq.). Mp 183-183.5°. $[\alpha]_D$ +239° (dioxan).

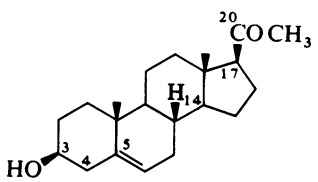
Ac: [1173-27-9].

$C_{23}H_{30}O_5$ M 386.487

Needles (Et_2O). Mp 178-180°. $[\alpha]_D^{22}$ +211° (Me_2CO).

Mason, H.L. *et al, J. Biol. Chem.*, 1936, **114**, 613 (*isol*)
Reichstein, T., *Helv. Chim. Acta*, 1943, **26**, 747 (*synth*)
Sarett, L.H., *J. Am. Chem. Soc.*, 1946, **68**, 2478 (*synth*)
Wettstein, A., *Helv. Chim. Acta*, 1947, **30**, 1262 (*synth*)

3-Hydroxy-5-pregnen-20-one H-00205



$C_{21}H_{32}O_2$ M 316.483

3β-form [145-13-1]

Pregnenolone, BPC, INN. *Arthenolone. Bina-Skin. Enelone. Natolone. Pregnetan. Pregneton. Pregnolon. Prenolon. Regnosone. Sharmone. Skinostelon*

Glucocorticoid used to treat rheumatoid arthritis. Needles (MeOH). Mp 193°. $[\alpha]_D$ +30° (EtOH).

Ac: [1778-02-5]. ***Pregnenolone acetate***. *Antofin. Previsone. Pregno-Pan.*

$C_{23}H_{34}O_3$ M 358.520

Glucocorticoid. Mp 149-151°. $[\alpha]_D$ +22° (EtOH).

21-Acetyloxy: [566-78-9]. ***Prebediolone acetate***. *Acetoxanon. Acetoxy-Prenolon. Artisone. Artivis. Pregnartrone. Sterosone.*

$C_{23}H_{34}O_4$ M 374.519

Glucocorticoid. Mp 181.3-182.6°. $[\alpha]_D$ +35.2° (c, 1.42 in $CHCl_3$).

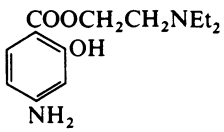
3-Carboxypropanoyl: [4598-67-8]. ***Pregnenolone succinate, USAN.*** *Panzalone. Formula 405.*
$C_{25}H_{36}O_5$ M 416.556

Marker, R.E. *et al, J. Am. Chem. Soc.*, 1940, **62**, 3349 (*synth*)
Wettstein, A. *et al, Helv. Chim. Acta*, 1940, **23**, 1373 (*synth*)
U.S.P., 2 678 932, (*1954*); *CA*, **49**, 7008 (*prebediolone acetate*)
U.S.P., 3 069 438, (*1962*); *CA*, **59**, 1723a (*prebediolone acetate*)
U.S.P., 3 197 367, (*1965*); *CA*, **63**, 8136 (*succinate*)
Jankowski, K. *et al, Steroids*, 1972, **19**, 189 (*pmr*)
Naqvi, S.H.M., *Steroids*, 1973, **22**, 285 (*ms*)
Danishefsky, S. *et al, J. Org. Chem.*, 1975, **40**, 1989 (*synth*)
Bordner, J. *et al, Cryst. Struct. Commun.*, 1978, **7**, 513 (*cryst struct*)
Terada, S. *et al, Tetrahedron Lett.*, 1978, 1995 (*cmr*)
Maitra, U. *et al, Tetrahedron Lett.*, 1986, **27**, 3087 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13163.

Hydroxyprocaine, BAN, INN H-00206

4-Amino-2-hydroxybenzoic acid 2-(diethylamino)ethyl ester, 9CI. 4-Aminosalicylic acid 2-(diethylamino)ethyl ester. 2-Diethylaminoethyl 4-aminosalicylate. Hydroxynovocain. Orthoxyprocaine. Oxycaine. Oxyprocaine. S 567

[487-53-6]



$C_{13}H_{20}N_2O_3$ M 252.313

Local anaesthetic, antiarrhythmic agent. Oily liq. Sol. $CHCl_3$.

▷VO1575000.

B,HCl: [551-36-0]. Prisms (EtOH). Mp 154°.

4-Aminosalicylic acid salt (1:1): [15767-73-4]. *Pascain.* Mp 139-140°.

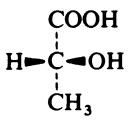
▷VO1600000.

Grimme, W. *et al, Chem. Ber.*, 1951, **84**, 734 (*synth*)
Keil, W. *et al, Arzneim.-Forsch.*, 1951, **1**, 154, 218 (*pharmacol*)
Geddes, I.C., *Br. J. Anaesthesia*, 1956, **28**, 55 (*pharmacol, tox*)
Sukhomlinov, F.K., *CA*, 1964, **60**, 13177 (*salt*)
Kakemi, K. *et al, Chem. Pharm. Bull.*, 1967, **15**, 1828 (*pharmacol, synth*)

2-Hydroxypropanoic acid, 9CI H-00207

Lactic acid, 8CI. Chem-Cast. Enyper. Kerlactine. Lactogyn. Lactolavol. Lactovagan. Neostil. Tonsillosan. Variclene

[50-21-5]



(*R*)-*form*
Absolute configuration

$C_3H_6O_3$ M 90.079

Various uses include as a caustic, dermatologic, antiseptic and as a digestive.

▷Irritant. Butyl ester is highly toxic. OD2800000.

(*R*)-*form* [10326-41-7]

: D-form

Prismatic plates; cryst (isopropyl ether aq.). Sol. H_2O, EtOH, Et_2O, prac. insol. $CHCl_3$. Mp 26-27°, 53°. $[\alpha]_D$ −2.26° (H_2O). pK_a 3.83.

Me ester: [17392-83-5].
$C_4H_8O_3$ M 104.105
Oil. Bp_{13} 40°. $[\alpha]_D^{20}$ +7.46°.

(*S*)-*form* [79-33-4]

L-form. Sarcolactic acid. Paralactic acid

Occurs in the juice of muscular tissue, bile etc. Flavour ingredient, food antioxidant. Various esters are also used in flavourings. Prisms (AcOH or $CHCl_3$). Mp 25-26°, 53°. $[\alpha]_D^{15}$ +3.82° in H_2O. pK_a 3.79 (25°). Very hygroscopic.

Me ester: [27871-49-4].
$C_4H_8O_3$ M 104.105
Oil. Bp_{19} 58°. $[\alpha]_D^{20}$ −8.25°.

(±)-*form*

Widely distributed in nature-starch, molasses, potatoes etc. Also obtained from sulfite pulp liquor. Used in foodstuffs (preservative, flavours, acidulant), plasticizers, mordants. In brewing, manuf. of cheese and confectionery. Depilatory for hides. Cryst., or colourless or yellowish syrupy liq. Sol. H_2O, EtOH, spar. sol. Et_2O, insol $CHCl_3$, CS_2, ligroin. Mp 16.8°. $Bp_{0.5-1}$ 82-85°. pK_a 3.86 (25°). Volatile in superheated steam.

Me ester: [2155-30-8]. Oil. Bp 144.8°.

▷Mod. irritant. Flammable

(−)-*Menthyl ester:* [17162-29-7]. Needles. Mp 32°. Bp_{15} 142°. $[\alpha]_D^{20}$ −75.9° (EtOH).

Allophanate: Needles. Mp 190° dec.

p-*Ethoxyanilide:* [539-08-2]. N-(*4-Ethoxyphenyl*)-*2-hydroxypropanamide, 9CI.* p-*Lactophenetidide.* ***Lactylphenetidin.*** *Lactophenin. Fenolactine. Phenolactine.*
$C_{11}H_{15}NO_3$ M 209.244
Antipyretic, antineuralgic and analgesic (for cats). Cryst. (EtOAc/hexane). Spar. sol. H_2O, Et_2O, ligroin, sol. EtOH. Mp 118°. Slightly bitter taste.

Nitrile: [78-97-7]. *Lactonitrile. Acetaldehyde cyanohydrin. 1-Cyanoethanol.*
C_3H_5NO M 71.079
Straw-coloured liq. Sol. H_2O, EtOH, insol. ligroin, CS_2. Mp −40°. Bp_{30} 102°.

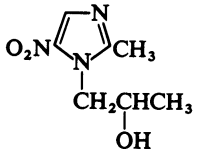
▷Highly toxic. OD8225000.

Irvine, J.C., *J. Chem. Soc.*, 1906, 936 (*resoln*)
Holten, C.H., *et al, Lactic Acid*, Verlag Chemie, Weinheim, 1971.
Wood, G.W. *et al, Can. J. Chem.*, 1975, **53**, 3500 (*ms*)
Hayashi, T. *et al, Tetrahedron Lett.*, 1976, 4351 (*synth*)
Waldron, R.W. *et al, Inorg. Chem.*, 1977, **16**, 1220 (*synth*)
Imuta, M. *et al, J. Org. Chem.*, 1978, **43**, 3530.
Shapiro, S.L. *et al, J. Am. Chem. Soc.*, 1959, **81**, 6322 (*Lactylphenetidin*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1312.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 448, 762, 824.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 373.

1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole H-00208

α,2-Dimethyl-5-nitro-1H-imidazole-1-ethanol, 9CI. ***Secnidazole, BAN, INN.*** *Flagentyl. Secnidal. RP 14539. PM 185184*

[3366-95-8]



$C_7H_{11}N_3O_3$ M 185.182

(±)-form

Antimicrobial agent; amoebicide, trichomonacide. Mp 76°.

Cosar, C. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 23 (*synth, pharmacol*)
Nagarajan, K. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 1006 (*uv, pmr, ms*)
Chen, B.C. *et al*, *Helv. Chim. Acta*, 1983, **66**, 1537 (*N-15 nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13227.

3-Hydroxypyridine H-00209

3-Pyridinol. 3-Pyridol

[109-00-2]

C_5H_5NO M 95.101

OH-form

Reagent used in peptide synth. Needles. Mp 129°.

3-O-Ac: [17747-43-2]. *3-Acetoxypyridine.*
$C_7H_7NO_2$ M 137.138
Mild acetylating agent for alcohols, phenols and amines. Bp_{58} 137°.

Me ether: [7295-76-3]. *3-Methoxypyridine.*
C_6H_7NO M 109.127
Bp 178-179°. n_D^{21} 1.5165, 1.5202.

Et ether: [14773-50-3]. *3-Ethoxypyridine.*
C_7H_9NO M 123.154
Bp_{15} 78-81°.

3-O-Ac, picrate: Mp 155.5-157°.

Tartaric ester: [7008-17-5]. ***Hydroxypyridine tartrate, INN.***
$C_9H_9NO_6$ M 227.173
Peripheral vasodilator.

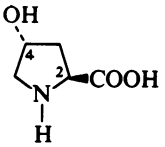
NH-form

N-*Me, zwitterion:* [25065-00-3]. *3-Hydroxy-1-methylpyridinium hydroxide inner salt, 9CI.*
C_6H_7NO M 109.127
Hygroscopic needles (EtOH). Mp 37-38°.

Fischer, H. *et al*, *Hoppe-Seyler's Z. Physiol. Chem.*, 1932, **212**, 146 (*synth*)
Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 5141 (*synth, deriv*)
Katritzky, A.R. *et al*, *J. Chem. Soc.* (*C*), 1971, 874 (*synth, deriv*)
Takeuchi, Y. *et al*, *Org. Magn. Reson.*, 1976, **8**, 21 (*cmr*)
Finkentey, C. *et al*, *Chem. Ber.*, 1983, **116**, 2394 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 9, 486 (*use, acetate*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 737.

4-Hydroxy-2-pyrrolidinecarboxylic acid H-00210

4-Hydroxyproline. Oxyproline



(2*S*,4*R*)-*form* Absolute configuration

$C_5H_9NO_3$ M 131.131

(2R,4R)-form [2584-71-6]

D-allo-*form. D*-cis-*form*
Mp 237-241°. $[\alpha]_D^{18}$ +58.6°. Insipid taste.

(2S,4S)-form [618-27-9]

L-allo-*form. L*-cis-*form*
Occurs in toxic peptides of *Amanita phalloides*. Mp 238-241°. $[\alpha]_D^{18}$ −58.1°. Sweet taste.

N-*Ac:* [66267-44-5].
$C_7H_{11}NO_4$ M 173.168
Cryst. (EtOH/Et_2O). Mp 144-145°. $[\alpha]_D$ −91.5° (c, 2 in H_2O).

N-*Ac, Me ester:*
$C_8H_{13}NO_4$ M 187.195
Cryst. (Et_2O/EtOH). Mp 78°.

(2R,4S)-form

D-trans-*form*
Mp 274°. $[\alpha]_D^{21}$ +75.2° (H_2O). Insipid taste.

(2S,4R)-form [51-35-4]

L-trans-*form*
Constit. of proteins. Mp 274°. $[\alpha]_D^{26}$ −74.6°. Sweet taste.

Me ether: 4-Methoxy-2-pyrrolidinecarboxylic acid.
$C_6H_{11}NO_3$ M 145.158
Mp 202°. $[\alpha]_D^{20}$ −56° (c, 1 in H_2O).

N-*Ac:* [33996-33-7]. ***Oxaceprol, INN.*** *Jonctum. CO 61.*
$C_7H_{11}NO_4$ M 173.168
Antirheumatic, dermatological agent. Mp 135° (132°). $[\alpha]_D$ −118.5° (H_2O).

N-*Me:* [4252-82-8]. ***4-Hydroxyhygrinic acid.*** N-*Methyl*-trans-*4-hydroxy-L-proline. Aceprolinum. Joint. Problaston. Thioprol.*
$C_6H_{11}NO_3$ M 145.158
Alkaloid from bark of *Croton gubougia, Erythroxylum argentinum* and heartwood of *Afromosia elata* (Euphorbiaceae, Erythroxylaceae, Leguminosae). Also from the red alga *Chondria coerulescens* and from leaves of a number of *Copaifera* spp. Cryst. (MeOH). Mp 238-240° dec. $[\alpha]_D$ −86.6° (c, 1.5 in H_2O).

N-*Me; B,HCl:* Mp 181-183°. $[\alpha]_D$ −55° (c, 2.3 in MeOH).

(2RS,4RS)-form [49761-17-3]

DL-allo-*form.* (±)-cis-*form*
Mp 238°.

Et ester:
$C_7H_{13}NO_3$ M 159.185
Mp 133-136° (as hydrochloride).

N-*Ac:* Cryst. (EtOH/Et_2O). Mp 143-144°.

N-*Ac, Me ester:* Cryst. (Et_2O/EtOH). Mp 79-80°.

(2RS,4SR)-form [618-28-0]

(±)-trans-*form*
Cryst. (EtOH aq.). Mp 247°.

Et ester; B,HCl: Cryst. (EtOH). Mp 142°.

Goodson, J.A. *et al*, *J. Chem. Soc.*, 1919, 923 (*isol, struct, deriv*)
Abraham, R.J. *et al*, *J. Chem. Soc.*, 1964, 3739 (*pmr*)
Morgan, J.W.W., *Chem. Ind.* (*London*), 1964, 542 (*deriv*)
B.P., 1 246 141, (*1971*); *CA*, **75**, 140769b (*Oxaceprol*)

Thomas, W.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 788 (*pmr, cryst struct, Oxaceprol*)
Koetzle, T.F. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 231 (*cryst struct*)
Kaneko, T., *Synth. Prod. Util. Amino Acids*, 1974, 123 (*rev*)
Roques, B.P. *et al*, *Tetrahedron*, 1976, **32**, 1517 (*cmr, Oxaceprol*)
Shamala, N. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 3267 (*cryst struct*)
Ramaswamy, S.G. *et al*, *J. Org. Chem.*, 1977, **42**, 3440 (*synth*)
Hospital, M. *et al*, *Biopolymers*, 1979, **18**, 1141 (*cryst struct, Oxaceprol*)
Field, L. *et al*, *J. Org. Chem.*, 1981, **46**, 4182 (*synth, derivs*)
Hara, J. *et al*, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 3871 (*synth*)
Sciuto, S. *et al*, *Phytochemistry*, 1983, **22**, 2311 (*isol, pmr, deriv*)
Inigo, R.P.A. *et al*, *An. Assoc. Quim. Argent.*, 1984, **72**, 1428 (*isol, deriv*)
Figliuolo, R. *et al*, *Phytochemistry*, 1987, **26**, 3255 (*isol, ir, pmr, cmr, ms, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13051.
Thaning, M. *et al*, *Helv. Chim. Acta*, 1986, **69**, 1711 (*derivs*)

8-Hydroxyquinoline H-00211

8-Quinolinol, 9CI. Oxine. Oxyquinoline. Bioquin. Chinoral. Quinophenol

[148-24-3]

C_9H_7NO M 145.160

Used in estimation of metals. Disinfectant. Antiseptic. Needles (EtOH aq.). Mp 75-76°. Bp ca. 267°. Also used as sulfate (Oxyquinoline sulfate, USAN).

▷Exp. carcinogen. VC4200000.

B,HCl: Yellow needles $+1H_2O$. Mp 234-235°.

B,MeCl: Cryst. $+ 1H_2O$. Mp 250° dec.

B,MeI: Yellow needles $+1H_2O$. Mp 143° dec.

O-*Ac:*

$C_{11}H_9NO_2$ M 187.198

Mp 56-57°. Bp 280°.

Benzoyl: [86-75-9]. **Benzoxiquine**, *USAN, INN. 8-Quinolinol benzoate, 9CI. Dioxyline. NSC 3951. Benzoxyline. Oxyquinoline benzoate.*

$C_{16}H_{11}NO_2$ M 249.268

Disinfectant. Cryst. (EtOH). Mp 118-120°.

▷VC4440000.

N-*Oxide:* [1127-45-3].

$C_9H_7NO_2$ M 161.160

Mp 138°.

▷VC8238500.

Me ether: [938-33-0]. *8-Methoxyquinoline.* o-*Quinanisole.*

$C_{10}H_9NO$ M 159.187

Mp 49-50°, 95-98°.

Et ether: [1555-94-8]. *8-Ethoxyquinoline.*

$C_{11}H_{11}NO$ M 173.214

Needles. Bp_{718} 285-287°, Bp_4 125°.

Et ether, picrate: Yellow needles (EtOH). Mp 180-181°.

N-*Me, betaine: 1-Methylquinolinium-8-olate.*

$C_{10}H_9NO$ M 159.187

Cryst. $+ 2H_2O$. Mp 130° dec.

Metho-hydroxide, anhydro-base: 1-Methyl-8-oxidoquinolinium inner salt. Red solid. Mp 119° dec.

B,$^1/_2H_2SO_4$*:* [134-31-6]. *Quinosol. Numerous proprietary names.* Pale-yellow cryst. Mp 175-178°.

▷VC8260000.

Indium complex (3:1): Tris(8-quinolinato)indium. Indium oxyquinoline.

$C_{27}H_{18}InN_3O_3$ M 547.278

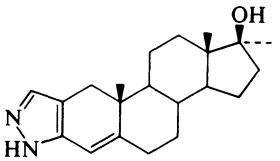
^{111}In-labelled compd. used as radioactive agent. Diagnostic aid.

Skraup, Z.H., *Monatsh. Chem.*, 1881, **3**, 536.
Hollingshead, R.G.W., *Oxine and its Derivatives*, 1954, Butterworths, London (*bibl*)
Phillips, J.P., *Chem. Rev.*, 1956, **56**, 271 (*rev*)
Fiedler, H. *et al*, *Pharmazie*, 1966, **21**, 233 (*activity*)
Desiderato, R. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 2443 (*cryst struct*)
Mirth, D.B. *et al*, *J. Dent. Res.*, 1978, **57**, 65 (*activity*)
Sawada, Y. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1357 (*metab*)
Scheffel, U. *et al*, *J. Nucl. Chem.*, 1979, **20**, 524 (*Indium complex*)
Rømming, C. *et al*, *Acta Chem. Scand., Ser. B*, 1983, **37**, 791 (*deriv, cryst struct*)
Banerjee, T. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1408 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1091.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1614.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2352.

Hydroxystenozole, INN H-00212

17-Methyl-2'H-androsta-2,4-dieno[3,2-c]pyrazol-17β-ol, 9CI. 17β-Hydroxy-17α-methylandrost-4-eno[3,2-c]-pyrazole

[5697-57-4]



$C_{21}H_{30}N_2O$ M 326.481

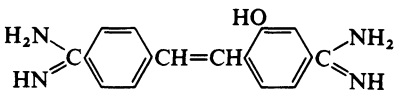
Anabolic steroid. Androgen. Mp 250-252°.

Polish Pat., 53 885, (*1967*); *CA*, **69**, 27623 (*synth, pharmacol*)

Hydroxystilbamidine, BAN, INN H-00213

4-[2-[4-(Aminoiminomethyl)phenyl]ethenyl]-3-hydroxybenzenecarboximidamide, 9CI. 2-Hydroxy-4,4'-stilbenedicarboxamidine, 8CI. 2-Hydroxy-4,4'-diamidinostilbene. 2-Hydroxy-4,4'-diguanylstilbene. 4,4'-Diamidino-2-hydroxystilbene

[495-99-8]



$C_{16}H_{16}N_4O$ M 280.329

Antiprotozoal, antifungal, antitumour agent.

▷WJ5350500.

Bis(2-hydroxyethanesulfonate) salt: [533-22-2]. *Hydroxystilbamidine isethionate.* Antileishmanial. Yellow cryst., discoloured by light. Mp 275-300° dec.

B.P., 574 486, (*1946*); *CA*, **43**, 821e (*synth*)
Cain, B.F. *et al*, *J. Med. Chem.*, 1969, **12**, 199 (*pharmacol*)
Courseille, C. *et al*, *C.R. Acad. Sci., Ser. C*, 1972, **274**, 1921 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2588.

2-Hydroxy-5-sulfobenzoic acid H-00214

o-*Hydroxybenzoic acid 5-sulfonic acid. Salicylic acid 5-sulfonic acid. 5-Sulfosalicylic acid*

[97-05-2]
$C_7H_6O_6S$ M 218.181
In vitro diagnostic aid for proteins. Metal chelating agent. Cryst. (H_2O). Mp 120°. Hygroscopic.
▷Produces irritation of skin and mucous membranes. VO6500000.
Di-Et ester:
$C_{11}H_{14}O_6S$ M 274.288
Cryst. (EtOH). Mp 56°.
Sulfonyl chloride: [17243-13-9].
$C_7H_5ClO_5S$ M 236.627
Needles (C_6H_6). Mp 171-172° dec.
Sulfonamide: [5378-41-6].
$C_7H_7NO_5S$ M 217.196
Plates (EtOH). Mp 253-255° dec.

Cohn, G., *J. Prakt. Chem.*, 1900, **61**, 544.
Hirsch, R., *Ber.*, 1900, **33**, 3238.
Pusca, V. *et al*, *Rev. Chim. (Bucharest)*, 1962, **13**, 49 (*synth*)
Shestakova, M.T. *et al*, *CA*, 1972, **77**, 11912 (*ir*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 1118 (*use*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1000.

2-Hydroxy-4-(trifluoromethyl)benzoic acid, 9CI H-00215

α,α,α-Trifluoro-2,4-cresotic acid. 4-(Trifluoromethyl)-salicyclic acid

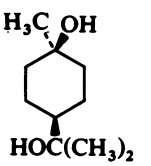


$C_8H_5F_3O_3$ M 206.121
Mp 178-178.5°.
Ac: [322-79-2]. ***Triflusal, INN***. *Disgren. UR 1501.*
$C_{10}H_7F_3O_4$ M 248.158
Analgesic, platelet aggregation inhibitor. Mp 110-112°.
▷GP4250000.

U.S.P., 3 019 253, 3 052 603, (*1962*); *CA*, **56**, 11722e, **58**, 479c (*synth*)
Shein, S.M. *et al*, *J. Gen. Chem. USSR (Engl. transl.)*, 1964, **34**, 3427
Garcia-Rafanell, J. *et al*, *Therapie*, 1977, **32**, 337 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13379.

4-Hydroxy-α,α,4-trimethylcyclohexanemethanol, 9CI H-00216

p-*Menthane-1,8-diol*, *8CI. 4-(1-Hydroxy-1-methylethyl)-1-methylcyclohexanol. Dipenteneglycol.* ***Terpin, BAN***. *Terpinol*
[80-53-5]



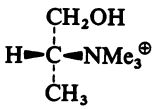
trans-form

$C_{10}H_{20}O_2$ M 172.267
cis-form [565-48-0]
Expectorant. Prisms or plates (EtOAc). Spar. sol. H_2O. Mp 104-105°. Bp 263-265°. Originally assigned the *trans*-config.
Monohydrate: [2451-01-6]. Rhombic pyramids (H_2O). Mp 116-117°.
trans-form [565-50-4]
Found in *Myrocarpus silvestris, Protinium brasiliensis* Chinese anise and sweet fennel oil. Mp 158-159°. Bp 258°. Hygroscopic, forms hydrate, Mp 123° (sealed tube), which loses H_2O at 70-80°. Originally assigned the *cis*-config.
Di-Ac:
$C_{14}H_{24}O_4$ M 256.341
Bp_{14} 145°.

Barnes, C.S., *Aust. J. Chem.*, 1958, **11**, 134 (*config, bibl*)
Peyron, L. *et al*, *Bull. Soc. Chim. Fr.*, 1969, 399 (*isol*)
Pertoldi, M. *et al*, *CA*, 1970, **73**, 91168 (*isol*)
Suga, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 914 (*cryst struct*)
Hassan, M.M.A. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 273 (*rev, synth, pharmacol, anal*)
Ho, T.-I. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1787 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2029.

1-Hydroxy-*N,N,N*-trimethyl-2-propanaminium, 9CI H-00217

α-Methylcholine
[21618-46-2]



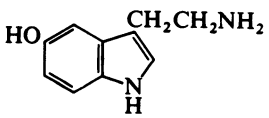
(R)-form

$C_6H_{16}NO^{\oplus}$ M 118.199 (ion)
(R)-form
Affects blood pressure.
O-*Ac, iodide:* [1186-62-5]. Cryst. (EtOH/Et_2O). Mp 109-110°. $[\alpha]_D^{29}$ +8.62° (EtOH aq.).
(S)-form
O-*Ac, iodide:* [1186-63-6]. Cryst. (EtOH/Et_2O). Mp 108-108.5°. $[\alpha]_D^{29}$ −8.41° (EtOH).
(±)-form [56503-19-6]
Hydroxide: [21618-46-2].
$C_6H_{17}NO_2$ M 135.206
Hygroscopic oil.
Iodide: [54809-13-1].
$C_6H_{16}INO$ M 245.103
Cryst. Mp 296°.
O-*Ac, iodide:* [55197-04-1].
$C_8H_{18}INO_2$ M 287.140
Cryst. (EtOH). Mp 133-134°.

Major, R.T. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 242 (*synth*)
Chothia, C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 626 (*cryst struct*)
Showen, K.B. *et al*, *J. Med. Chem.*, 1975, **18**, 292 (*synth, deriv*)

5-Hydroxytryptamine H-00218

3-(2-Aminoethyl)-1H-indol-5-ol, *9CI. 3-(2-Aminoethyl)-5-hydroxyindole.* ***Serotonin***. *Thrombocytin. Thrombotonin. Enteramine. Anthemovister. Hippophaine*
[50-67-9]



$C_{10}H_{12}N_2O$ M 176.218
Found in blood and other tissues. Alkaloid from cowhage (*Macuna pruriens*) (Leguminosae) and nettle, from the sea anemone *Calliactis parasitica* and in arthropod venoms. Vasoconstrictor.

▷Highly toxic. Exp. teratogen. NM2450000.

B,HCl: Sol. H_2O. Mp 167-168°. Light-sensitive. Aq. solns. stable at acid pH.

Creatine sulfate complex: [971-74-4]. *Antemovis.* Found in mammalian sera. Potent vasoconstrictor. Plates + $1H_2O$. Mp 214-216° dec.

▷NM2550000.

O-*Sulfate:* [16310-20-6].
$C_{10}H_{12}N_2O_4S$ M 256.276
Metab. of Serotonin excreted in mammalian urine. Cryst. (H_2O). Mp 192-194°.

Me ether: [608-07-1]. *5-Methoxytryptamine.*
$C_{11}H_{14}N_2O$ M 190.244
Mp 120-121°.

▷NL4055000.

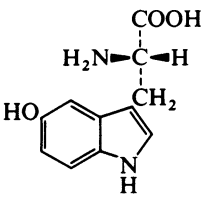
Me ether, N^b-*Me:* ***5-Methoxy-N-methyltryptamine.***
$C_{12}H_{16}N_2O$ M 204.271
Alkaloid from the *Phalaris arundinacea* (Gramineae) and *Desmodium pulchellum* (Leguminosae). Prisms ($MeOH/Et_2O$) (as hydrochloride). Mp 166-167° (hydrochloride).

Benzyl ether: [20776-45-8].
$C_{17}H_{18}N_2O$ M 266.342
Mp 265° (248-250°) (as hydrochloride).

Hamlin, K.E. *et al, J. Am. Chem. Soc.*, 1951, **73**, 5007.
Speeter, H.E. *et al, J. Am. Chem. Soc.*, 1951, **73**, 5515 (*synth*)
Asero, B. *et al, Justus Liebigs Ann. Chem.*, 1952, **576**, 69.
Bowden, K. *et al, Nature (London)*, 1954, **174**, 925 (*isol*)
Abramovitch, R.A. *et al, Chem. Ind. (London)*, 1955, 1255
Mathias, A.P. *et al, Nature (London)*, 1957, **180**, 658 (*isol, occur*)
Wilkinson, S., *J. Chem. Soc.*, 1958, 2079 (*5-Methoxy-N-methyltryptamine*)
Ghosal, S. *et al, J. Org. Chem.*, 1966, **31**, 2284 (*5-Methoxy-N-methyltryptamine*)
Thewalt, U. *et al, Acta Crystallogr., Sect. B*, 1972, **28**, 82 (*cryst struct*)
Borgulya, J. *et al, Synthesis*, 1983, 29 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15305.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 216.

5-Hydroxytryptophan, 9CI H-00219

[56-69-9]



(*S*)-*form*
Absolute configuration

$C_{11}H_{12}N_2O_3$ M 220.227

▷YN7000000.

(***R*)-form** [4350-07-6]

D-form

Cryst. (H_2O). Mp 274° dec. $[\alpha]_D^{22}$ +32.2° (c, 1 in H_2O).

(***S*)-form** [4350-09-8]

L-form. ***Oxitriptan, INN.*** *Levothym. Serotonyl. Triptene. Other synonyms*

Metab. of *Chromobacterium violaceum*, constit. of the seeds of *Griffonia simplicifolia*. Occurs in large amts. in *Panaeolus sphinctrinus* and other *P* spp. Intermediate in mammalian Serotonin biosynthesis. Antidepressant and antiepileptic. Pale-pink needles. Mp 273° dec. $[\alpha]_D^{22}$ −32.5° (c, 1 in H_2O), +16.0° (c, 1 in 4N HCl).

▷YN7110000.

(±)-***form*** [114-03-4]

Rods (EtOH aq.). Mod. sol. H_2O. Mp 293-298°.

▷YN7100000.

5-Benzyl ether:
$C_{18}H_{18}N_2O_3$ M 310.352
Mp 280° dec.

Witkop, B. *et al, J. Am. Chem. Soc.*, 1954, **76**, 5579 (*synth*)
Morris, A.J. *et al, J. Org. Chem.*, 1957, **22**, 306 (*resoln, abs config*)
Biochem. Prep., 1962, **9**, 92 (*synth*)
Tyler, V.E. *et al, J. Pharm. Sci.*, 1964, **53**, 462 (*isol*)
Bell, E.A. *et al, Nature (London)*, 1966, **210**, 529 (*isol*)
Wakahara, A. *et al, Bull. Chem. Soc. Jpn.*, 1973, **46**, 2475 (*cryst struct*)
Van Praag, H.M., *Neuropharmacology*, 1983, **22**, 433 (*rev*)
Irie, K. *et al, Chem. Pharm. Bull.*, 1984, **32**, 2126 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1922.

Hydroxyurea, 9CI, BAN, USAN H-00220

Carbamoylhydroxylamine. ***Hydroxycarbamide, INN.*** *Biosupressin. Hidrix. Hydrea. Hydura. Litalir. Onco-Carbide. NSC 32065. SQ 1089*

[127-07-1]

$$HONHCONH_2 \rightleftharpoons HON{=}C(OH)NH_2$$

$CH_4N_2O_2$ M 76.055

Antineoplastic agent. Cryst. in 2 forms. Insol. Et_2O, C_6H_6. Mp 70-72° dec. (form 1), 141° (form 2).

▷Exp. teratogen. YT4900000.

Me ether: [3272-27-3]. *Methoxyurea.*
$C_2H_6N_2O_2$ M 90.082
Mp 84°.

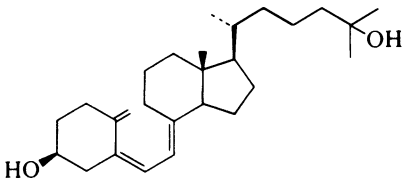
Et ether: Ethoxyurea.
$C_3H_8N_2O_2$ M 104.108
Mp 91.2°. Sweet taste.

Kofod, H. *et al, Acta Chem. Scand.*, 1954, **8**, 485 (*struct*)
Org. Synth., 1960, **40**, 60 (*synth*)
Larsen, I.K. *et al, Acta Chem. Scand.*, 1966, **20**, 983 (*cryst struct*)
Krakoff, I.H., *Handb. Exp. Pharmacol.*, 1975, **38**, 789 (*rev, pharmacol*)
Timson, J., *Mutat. Res.*, 1975, **32**, 115 (*rev, pharmacol*)
Thiessen, W.E. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 2495 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1839.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1600.

25-Hydroxyvitamin D_3 H-00221

9,10-Seco-5Z,7E,10(19)-cholestatriene-3β,25-diol. 25-Hydroxycholecalciferol. ***Calcifediol, USAN, INN.*** *Calderol. Dedrogyl. Delakmin. Diaverene. Didrogyl. Hidroferol. U 32070*

[19356-17-3]



$C_{27}H_{44}O_2$ M 400.643

Constit. of bone, liver and blood of mammals. Calcium regulator. Oil.

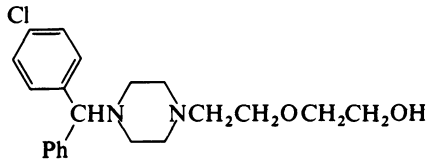
Blunt, J.W. *et al, Biochemistry*, 1968, **7**, 3317; 1969, **8**, 671 (*isol, synth*)

Campbell, J.A. *et al*, *Steroids*, 1969, **13**, 567 (*isol*)
Deluca, H.F. *et al*, *Am. J. Clin. Nutr.*, 1969, **22**, 412 (*rev*)
Neuman, M., *Med. Actual*, 1977, **13**, 225 (*rev, pharmacol*)
Reeve, J., *Br. Med. J.*, 1979, **2**, 888 (*rev, props*)
Mascareñas, J.L. *et al*, *J. Org. Chem.*, 1986, **51**, 1269 (*synth*)
Andrews, D.R. *et al*, *J. Org. Chem.*, 1986, **51**, 4819 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7886.

Hydroxyzine, BAN, INN H-00222

2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]ethoxy]ethanol, 9CI. Numerous proprietary names

[68-88-2]



$C_{21}H_{27}ClN_2O_2$ M 374.910

▷KK2275000.

(±)-form

Tranquilliser. Antihistamine. Oil. $Bp_{0.5}$ 220°.

B,2HCl: [2192-20-3]. *Atarax. Vistaril parenteral. Hydroxyzine hydrochloride, USAN.* Mp 193°.

▷KK2280000.

Embonate (1:1): [10246-75-0]. *Equipose. Masmoran. Paxistil. Hydroxyzine pamoate, USAN, JAN.*

3,4,5-Trimethoxybenzoyl: [18465-25-3]. ***Hydroxyzine trimethoxybenzoate***. *SAS 521.*
$C_{31}H_{37}ClN_2O_6$ M 569.096
Antiarrhythmic agent.

3,4,5-Trimethoxybenzoyl; B,2HCl: [20541-83-7]. Mp 190-192°.

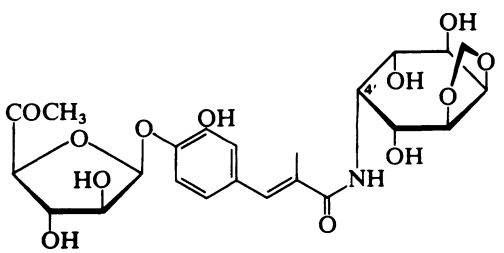
▷KK2355000.

Belg. Pat., 523 899, (*1954*); *CA*, **53**, 18072d (*synth*)
Cannizarro, G., *Boll. Chim. Farm.*, 1965, **104**, 39 (*pharmacol, metab*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Torrielli, M.V. *et al*, *Eur. J. Med. Chem.*, 1968, **3**, 210; *Boll. Chim. Farm.*, 1968, **107**, 606 (*trimethoxybenzoate*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Tsau, J. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 319 (*rev*)
Palmier, L. *et al*, *Drugs. Exp. Clin. Res.*, 1984, **10**, 119 (*pharmacol*)
Simons, F.E.R. *et al*, *J. Allergy Clin. Immunol.*, 1984, **73**, 69.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6138, 6139.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6215 (*synonyms*)

Hygromycin *A* H-00223

Hygromycin. Homomycin. Totomycin. Antibiotic 1703-18B

[6379-56-2]



$C_{23}H_{29}NO_{12}$ M 511.482

Prod. by *Streptomyces hygroscopicus, S. noboritoensis* and *Corynebacterium equi*. Active against gram-positive and -negative bacteria incl. mycobacteria, endomoeba and leptospira. Anthelmintic. Amorph. solid. Mp 105-109° dec. $[\alpha]_D^{25}$ −126° (c, 1 in H_2O). pK_a 8.9.

▷NG8859000.

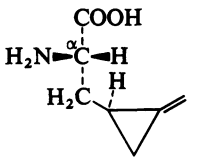
2,4-Dinitrophenylhydrazone: Red cryst. (H_2O). Mp 154-156°.

4'-Epimer: ***Epihygromycin***.
$C_{23}H_{29}NO_{12}$ M 511.482
From *S. noboritoensis* and *C. equi*. sp. Weakly active against gram-positive bacteria. Sesquihydrate. Mp 114-117°. $[\alpha]_D^{20}$ −91.1° (c, 1 in H_2O). Epimeric at the 4-position of the pyranose sugar ring.

Mann, R.L. *et al*, *Antibiot. Chemother.*, 1953, **3**, 1279 (*isol*)
Isono, K. *et al*, *J. Antibiot., Ser. A*, 1957, **10**, 160 (*struct, ir, uv*)
Mann, R.L. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 120 (*uv, ir, struct*)
Kakinuma, K. *et al*, *J. Antibiot.*, 1976, **29**, 771 (*nmr, struct*)
Kakinuma, K. *et al*, *Agric. Biol. Chem.*, 1978, **42**, 279 (*pmr, cmr, struct, abs config*)
Wakisaka, Y. *et al*, *J. Antibiot.*, 1980, **33**, 695 (*epimer*)

Hypoglycin *A* H-00224

α-Amino-2-methylenecyclopropanepropanoic acid, 9CI.
2-Amino-3-(methylenecyclopropyl)propanoic acid



(αS,γS)-form

$C_7H_{11}NO_2$ M 141.169

(αS,γS)-form [156-56-9]

L-form

From the unripe fruit of *Blighia sapida*. Has hypoglycaemic and teratogenic props. Plates (MeOH aq.). Mp 280-284°. $[\alpha]_D^{26}$ +11° (c, 1.0 in H_2O), +49.0° (c, 1.0 in H_2O at pH 2). pK_a 2.40 and 9.37 in H_2O.

▷GZ2215000.

(αRS,γRS)-form

(±)-form

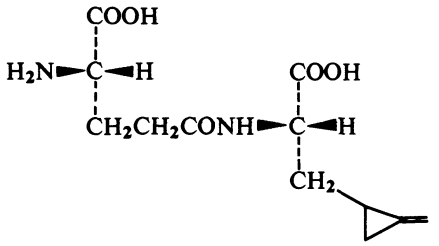
Leaflets (Me_2CO aq.). Mp >300°.

Hassall, C.H. *et al*, *Biochem. J.*, 1955, **60**, 334 (*isol*)
Hassall, C.H. *et al*, *J. Chem. Soc.*, 1959, 80 (*struct*)
Black, D.K. *et al*, *Tetrahedron Lett.*, 1963, 1065 (*synth, abs config*)
Billington, D. *et al*, *Methods Enzymol.*, 1981, **72**, 610 (*rev*)
Sherratt, H.S.A., *Trends Pharmacol. Sci.*, 1986, **7**, 186 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12837.

Hypoglycin *B* H-00225

N-γ-*Glutamyl-3-(methylenecyclopropyl)alanine*, *9CI*

[502-37-4]



$C_{12}H_{18}N_2O_5$ M 270.285

▷AY6330000.

L-form

Biologically active component of *Blighia sapida*. Teratogen, hypoglycaemic agent. Needles (Me_2CO aq.). Mp 194-195° (189-191°) and 200-207° (200-204°) (double Mp). $[\alpha]_D^{32}$ +9.6° (c, 1.12 in H_2O). pK_{a1} 3.75, pK_{a2} 9.36.

N-*Dinitrophenyl:* Cryst. ($EtOAc/CHCl_3$). Mp 170-172°.

Phenylthiohydantoin deriv.: Needles (EtOH aq.). Mp 186-188°.

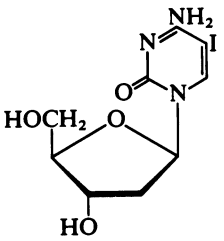
Hassall, C.H. *et al*, *J. Chem. Soc.*, 1960, 4112 (*struct, synth*)

I

Ibacitabine, INN **I-00001**

2'-Deoxy-5-iodocytidine, 9CI, 8CI. Iododesoxycytidine. Cébévir. Cébé-Viran. Cuterpès. Marenil. I.D.C.

[611-53-0]



$C_9H_{12}IN_3O_4$ M 353.116

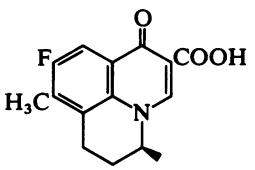
Antiviral (antiherpetic) agent. Cryst. Mp 175-178° dec.

Chang, P.K., *Biochem. Pharmacol.*, 1961, **8**, 327 (*synth*)
Chang, P.K. *et al*, *J. Med. Chem.*, 1963, **6**, 428 (*synth, pharmacol*)
Miles, D.W. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 831 (*cd*)
Fritzsche, H. *et al*, *Z. Chem.*, 1971, **11**, 69 (*pmr, ir*)
Prusoff, W.H. *et al*, *Pharmacol. Ther.*, 1979, **7**, 1 (*rev, pharmacol*)
Ghiassy, F. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 1921 (*cryst struct*)
De Clercq, E. *et al*, *Mol. Pharmacol.*, 1982, **21**, 217 (*pharmacol*)
Prusoff, W.H. *et al*, *Int. Encyl. Pharmacol. Ther.*, 1984, **111**, 341 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12854.

Ibafloxacin, INN **I-00002**

9-Fluoro-6,7-dihydro-5,8-dimethyl-1-oxo-1H,5H-benzo[i,j]quinolizine-2-carboxylic acid, 9CI. S 25930

[91618-36-9]



(S)-form

$C_{15}H_{14}FNO_3$ M 275.279

(S)-form [107298-26-0]

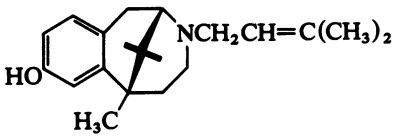
Antibacterial agent. Cryst. (DMF). Mp 274-276°. $[\alpha]_D$ −107.4° (dichloroethane).

Eur. Pat., 109 284, (*1984*); *CA*, **101**, 110764 (*synth*)
Gerster, J.F. *et al*, *J. Med. Chem.*, 1987, **30**, 839 (*synth, resoln, abs config, pharmacol*)
Neu, H.C. *et al*, *J. Antimicrob. Chemother.*, 1987, **19**, 175 (*pharmacol*)

Ibazocine, INN **I-00003**

1,2,3,4,5,6-Hexahydro-6,11,11-trimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol, 9CI

[57653-28-8]



$C_{20}H_{29}NO$ M 299.455

Analgesic.

(+)-*form*

B,HBr: [31708-54-0]. Cryst. (2-propanol). Mp 180-184°. $[\alpha]_D^{20}$ +125° (c, 1.05 in H_2O).

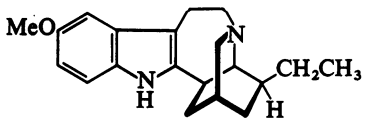
(−)-*form*

B,HBr: [31708-63-1]. Mp 180-184°. $[\alpha]_D^{20}$ −135° (c, 1.1 in H_2O).

Ger. Pat., 2 027 077, (*1970*); *CA*, **74**, 125486x (*synth*)

Ibogaine **I-00004**

[83-74-9]



(−)-form
Absolute configuration

$C_{20}H_{26}N_2O$ M 310.438

(−)-*form*

Alkaloid from *Tabernanthe iboga, Voacanga thouarsii, Tabernaemontana* spp. and several other spp. in the Apocynaceae. Strong CNS stimulant, hallucinogen, anticonvulsant. *T. iboga* is an African folk remedy against fatigue. Mp 152-153°. $[\alpha]_D$ −53° (EtOH).

B,HCl: Mp 299-300°.

(±)-*form*

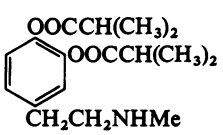
Synthetic. Mp 112-114°.

Goutarel, M. *et al*, *Helv. Chim. Acta*, 1956, **39**, 742 (*uv, ir*)
Bartlett, M.F. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 126 (*struct*)
Biemann, K. *et al*, *Tetrahedron Lett.*, 1961, 68 (*ms*)
Büchi, G. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 3099 (*synth*)
Bláha, K. *et al*, *Collect. Czech. Chem. Commun.*, 1974, **39**, 2258 (*config*)
Rosenmund, P. *et al*, *Chem. Ber.*, 1975, **108**, 1871 (*synth*)
Damak, M. *et al*, *Tetrahedron Lett.*, 1976, 3531 (*cmr*)

Ibopamine, BAN, USAN, INN **I-00005**

2-Methylpropanoic acid 4-[2-(methylamino)ethyl]-1,2-phenylene ester, 9CI. 4-(2-Methylaminoethyl) o-phenylene diisobutyrate. SKF 100168. Inopamil. Scandine

[66195-31-1]



$C_{17}H_{25}NO_4$ M 307.389

Peripheral dopaminergic agent; diuretic.

B,HCl: [75011-65-3]. Cryst. (EtOAc). Mp 131-136°.

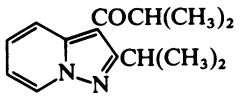
B,HBr: Cryst. (EtOAc). Mp 124-126°.

Ger. Pat., 2 734 678, (*1978*); *CA*, **88**, 152236w (*synth, pharmacol*)
Eur. Pat., 129 383, (*1984*); *CA*, **102**, 166448 (*synth*)
Henwood, J.M. *et al*, *Drugs*, 1988, **36**, 11 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12838.

Ibudilast, INN **I-00006**

2-Methyl-1-[2-(1-methylethyl)pyrazolo[1,5-a]pyridin-3-yl]-1-propanone, 9CI. *3-Isobutyryl-2-isopropylpyrazolo[1,5-a]pyridine. KC 404*

[50847-11-5]



$C_{14}H_{18}N_2O$ M 230.309

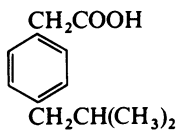
Antiallergic, vasodilator. Prisms (hexane). Mp 53.5-54°.

Ger. Pat., 2 315 801, (*1973*); *CA*, **80**, 14923s (*synth*)
Japan. Pat., 77 14 799, (*1977*); *CA*, **87**, 53282w (*synth, pharmacol*)
Nagai, H. *et al*, *Jpn. J. Pharmacol.*, 1983, **33**, 1215 (*pharmacol*)
Mue, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **283**, 153 (*pharmacol*)

Ibufenac, BAN, USAN, INN, JAN **I-00007**

4-(2-Methylpropyl)benzeneacetic acid, 9CI. (p-*Isobutylphenyl)acetic acid,* 8CI. *Dytransin. Ibunac. Isodilan. Medirex. RD 11654*

[1553-60-2]



$C_{12}H_{16}O_2$ M 192.257

Analgesic, antipyretic, antiinflammatory agent. Sl. sol. H_2O. Mp 85-87°.

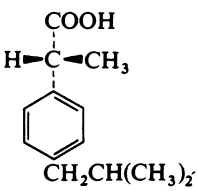
▷AI4200000.

B.P., 971 700, (*1964*); *CA*, **61**, 14591 (*synth, pharmacol*)
Adams, S.S. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 305 (*pharmacol*)
Pettersen, J.E., *Biomed. Mass Spectrom.*, 1978, **5**, 488 (*ms, metab*)
Tamura, Y. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 915 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12839.

Ibuprofen, BAN, USAN, INN **I-00008**

α-Methyl-4-(2-methylpropyl)benzeneacetic acid, 9CI. *2-[4-(2-Methylpropyl)phenyl]propanoic acid. 2-(4-Isobutylphenyl)propionic acid.* p-*Isobutylhydratropic acid. Brufen. Motrin. Nurofen. Numerous proprietary names*

[15087-27-1]



(*R*)-*form*
Absolute configuration

$C_{13}H_{18}O_2$ M 206.284

(***R*)-*form*** [51146-57-7]

Mp 50-52°. $[\alpha]_D$ −57°.

(***S*)-*form*** [51146-56-6]

Cryst. (EtOH). Mp 50-52°. $[\alpha]_D$ +57°.

(±)-***form*** [58560-75-1]

Antiinflammatory agent. Spar. sol. H_2O. Mp 75-77.5°. Also used as aluminum compd. (Ibuprofen aluminum, USAN).

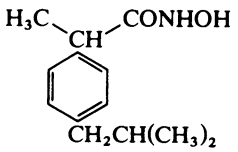
L-Lysine salt (1:1): [57469-77-9]. *Ibuprofen-Lysine. Soluphene.*

B.P., 971 700, (*1964*); *CA*, **61**, 14591 (*synth, pharmacol*)
Adams, S.S. *et al*, *Arch. Pharmacodyn. Exp. Ther.*, 1969, **178**, 115.
Adams, S.S. *et al*, *Toxicol. Appl. Pharmacol.*, 1969, **15**, 310 (*metab, tox*)
McConnell, J.F., *Cryst. Struct. Commun.*, 1974, **3**, 73 (*cryst struct*)
Ger. Pat., 2 508 895, (*1975*); *CA*, **84**, 5394 (*lysine, salt*)
Kaiser, D.G. *et al*, *J. Pharm. Sci.*, 1976, **65**, 269 (*resoln, glc, bibl*)
Shiori, T. *et al*, *J. Org. Chem.*, 1978, **43**, 2936 (*synth*)
Ghislandi, V. *et al*, *Farmaco, Ed. Sci.*, 1982, **37**, 81 (*abs config*)
Nicholson, J.S., *Chron. Drug Discovery*, 1982, **1**, 149 (*rev*)
Gruber, K. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1176 (*pharmacol, tox*)
Hayashi, T. *et al*, *J. Org. Chem.*, 1983, **48**, 2195 (*isom*)
Hiyama, T. *et al*, *Synthesis*, 1986, 645 (*synth*)
Yamauchi, T. *et al*, *Synthesis*, 1986, 1044 (*synth*)
Nicoll-Griffith, D.A., *J. Chromatogr.*, 1987, **402**, 179 (*resoln*)
Piccolo, O. *et al*, *J. Org. Chem.*, 1987, **52**, 10 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2867 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2657, 12840.

Ibuproxam, INN **I-00009**

N-*Hydroxy-α-methyl-4-(2-methylpropyl)-benzeneacetamide,* 9CI. p-*Isobutylhydratropohydroxamic acid. Deflogon. Ibudros. Nialen*

[53648-05-8]



$C_{13}H_{19}NO_2$ M 221.299

(±)-***form***

Analgesic, antipyretic, antiinflammatory agent. Cryst. (Me_2CO/pet. ether). Mp 119-121°.

Ger. Pat., 2 400 531, (*1974*); *CA*, **83**, 120272j (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12841.

Ichthammol, USAN, 9CI **I-00010**

Ammonium bituminosulphonate. Bitumol. Icthadone. Ichthymall. Ichthyol. Subitol. Tumenol. Numerous other proprietary names

[8029-68-3]

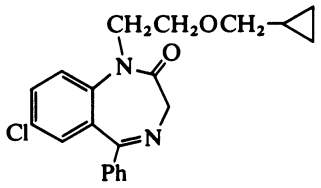
Consists of satd. and unsatd. hydrocarbons, nitrogenous bases, acids and several thiophene derivs. Obt. by sulphation and ammoniation of a distillate of mineral deposits. Topical antiinfective agent. Brown-black or pale-yellow visc. liq. Misc. with H_2O.

Wernicke, E.A., *Chem. Ztg.*, 1936, **60**, 85 (*rev*)
Gugenheim, P.G. *et al*, *J. Soc. Chem. Ind.* (*London*), 1950, **69**, 107 (*props*)
Wernicke, E.A., *Arzneim-Forsch.*, 1953, **3**, 187 (*props*)
Koch, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1985, **318**, 198 (*anal*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1615.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1604.

Iclazepam, INN **I-00011**

7-Chloro-1-[2-(cyclopropylmethoxy)ethyl]-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one, 9CI.
Clazepam
[57916-70-8]



$C_{21}H_{21}ClN_2O_2$ M 368.862

(±)-*form*
Tranquilliser. Cryst. (Et_2O/pet. ether). Mp 98-100°.
Fr. Pat., 2 253 501, (*1975*); *CA*, **84**, 44201e (*synth, pharmacol*)

8,11,14,18-Icosatetraenoic acid **I-00012**

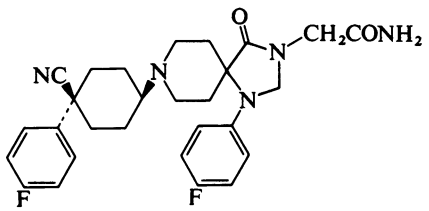
8,11,14,18-Eicosatetraenoic acid

$H_3CCH{=}CHCH_2(CH_2CH{=}CH)_3(CH_2)_6COOH$

$C_{20}H_{32}O_2$ M 304.472
Component of Omega-3 Marine Triglycerides, O-00043 .
Beerthius, R.K. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1971, **90**, 943 (*synth*)

Icospiramide, INN **I-00013**

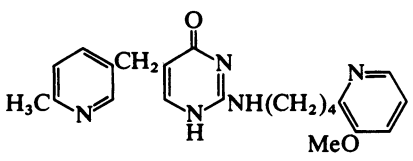
8-[4-Cyano-4-(4-fluorophenyl)cyclohexyl]-1-(4-fluorophenyl)-4-oxo-1,3,8-triazaspiro[4.5]decane-3-acetamide, 9CI. *R 51726*
[79449-99-3]



$C_{28}H_{31}F_2N_5O_2$ M 507.582
Antiemetic, psychotropic agent. Mp 201.1°.
Eur. Pat., 35 902, (*1981*); *CA*, **96**, 104337f (*synth, pharmacol*)

Icotidine, USAN **I-00014**

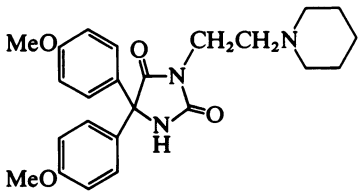
2-[[4-(3-Methoxy-2-pyridinyl)butyl]amino]-5-[(6-methyl-3-pyridinyl)methyl]-4(1H)-pyrimidinone, 9CI
[71351-79-6]



$C_{21}H_{25}N_5O_2$ M 379.461
Histamine H_1- and H_2-receptor antagonist.
B,3HCl: [71351-65-0]. *SKF 93319.* Mp 209-210°.
U.S.P., 4 216 318, (*1980*); *CA*, **94**, 15767
Johnson, P. *et al*, *Xenobiotica*, 1984, **14**, 589 (*metab*)
Barrett, D.A. *et al*, *J. Pharm. Biomed. Anal.*, 1985, **3**, 385 (*hplc*)
Ganellin, C.R. *et al*, *N. Engl. Reg. Allergy Proc.*, 1986, **7**, 126 (*rev*)

Idanpramine, INN **I-00015**

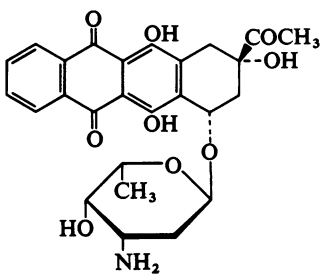
5,5-Bis(4-methoxyphenyl)-3-[2-(1-piperidinyl)ethyl]-2,4-imidazolidinedione, 9CI
[25466-44-8]



$C_{24}H_{29}N_3O_4$ M 423.511
Antispasmodic agent. Cryst. (EtOH). Mp 172-173°.
B,HCl: [25466-21-1]. *Indanpramine hydrochloride. Breton. I 255.* Cryst. (2-propanol). Mp 130-133°.
Chiti, W. *et al*, *Farmaco, Ed. Sci.*, 1960, **15**, 809 (*synth*)
Marmo, E. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 277 (*pharmacol*)

Idarubicin, INN **I-00016**

4-Demethoxydaunomycin. IMI 30. NSC 256439
[58957-92-9]

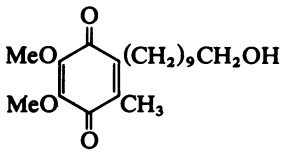


$C_{26}H_{27}NO_9$ M 497.501
Antineoplastic agent.
▷HB7876000.
B,HCl: [57852-57-0]. *Idarubicin hydrochloride,* USAN. Bright-orange solid. Mp 172-174° (183-185°). $[\alpha]_D^{20}$ +187° (c, 0.1 in MeOH).
▷HB7877000.
Kelly, T.R. *et al*, *Tetrahedron Lett.*, 1978, 4457 (*synth, bibl*)
Broadhurst, M.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 2249 (*synth*)
Rao, A.V.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 453 (*synth, isom*)
Ganzina, F. *et al*, *Invest. New Drugs*, 1986, **4**, 85 (*rev, pharmacol*)
Weiss, R.B. *et al*, *Cancer Chemother. Pharmacol.*, 1986, **18**, 185 (*rev, pharmacol, tox*)
Zini, G. *et al*, *Cancer Chemother. Pharmacol.*, 1986, **16**, 107 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19335.

Idebenone, INN **I-00017**

2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-2,5-cyclohexadiene-1,4-dione, 9CI. 2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-p-benzoquinone. CV-2619

[58186-27-9]



$C_{19}H_{30}O_5$ M 338.443

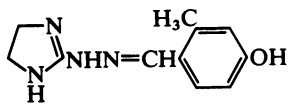
Drug for enhancement of immune response. Cardiovascular agent, nootropic. Orange needles (ligroin). Mp 46-50°.

Ger. Pat., 2 519 730, (*1975*); *CA*, **84**, 58298j (*synth*)
Okamoto, K. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 2797.
Naguoka, A. *et al*, *Jpn. J. Pharmacol.*, 1984, **36**, 291.

Idralfidine, INN **I-00018**

4-Hydroxy-2-methylbenzaldehyde (4,5-dihydro-1H-imidazol-2-yl)hydrazone, 9CI

[95668-38-5]



$C_{11}H_{14}N_4O$ M 218.258

α_2-Receptor agonist (antiglaucoma and antiulcerogenic agent).

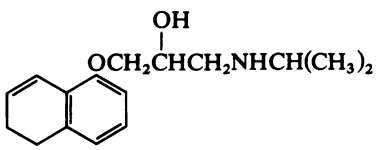
B,HCl: [95668-39-6]. *CBS 1276.* Mp >255°.

Eur. Pat., 132 190, (*1985*); *CA*, **102**, 148884 (*synth, pharmacol*)
Atfani, M. *et al*, *C.R. Acad. Sci. Ser. 2*, 1986, **302**, 171 (*cryst struct*)
Ferry, N. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 1511 (*pharmacol*)

Idropranolol, INN **I-00019**

1-[(5,6-Dihydro-1-naphthyl)oxy]-3-(isopropylamino)-2-propanol, 8CI

[27581-02-8]



$C_{16}H_{23}NO_2$ M 261.363

Beta-adrenergic blocking agent. Cryst. (pet. ether). Mp 80°.

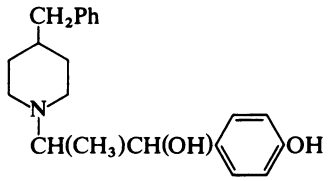
B,HCl: [27581-03-9]. Cryst. Mp 150°.

Ger. Pat., 1 960 796, (*1970*); *CA*, **73**, 45215x (*synth, pharmacol*)

Ifenprodil, INN **I-00020**

4-Benzyl-α-(p-hydroxyphenyl)-β-methyl-1-piperidineethanol, 8CI. 2-(4-Benzylpiperidino)-1-(4-hydroxyphenyl)-1-propanol. Angiotrofin. Cerocral. Dilvax. Fx-505. RC 61-91. Serocral

[23210-56-2]



$C_{21}H_{27}NO_2$ M 325.450

Vasodilator. Mp 114°. Stereochem. not detd.

▷TM8520000.

Tartrate: [23210-58-4]. *Vadilex.* Mp 178-180°.

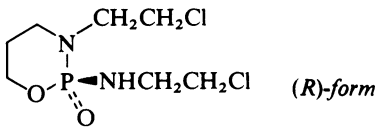
▷TM8530000.

Carron, M. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1992 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9241.

Ifosfamide, BAN, USAN, INN **I-00021**

N,3-Bis(2-chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-amine 2-oxide, 9CI. 3-(2-Chloroethyl)-2-[(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxazaphosphorine 2-oxide, 8CI. Cyfos. Holoxan. Ifex. Ifomide. Isoendoxan. Isophosphamide. Mitoxana. Naxamide. A 4942. MJF 9325. NSC 109724

[3778-73-2]



(*R*)-*form*

$C_7H_{15}Cl_2N_2O_2P$ M 261.087

▷RP6050000.

(***R*)-*form*** [66849-34-1]

Cryst. (Et_2O). Mp 61-63°. $[\alpha]_D^{25}$ +39° (c, 4.0 in MeOH).

(***S*)-*form*** [66849-33-0]

Cryst. (Et_2O). Mp 62-63°. $[\alpha]_D^{25}$ −38.8° (c, 4.2 in MeOH).

(±)-***form*** [84711-20-6]

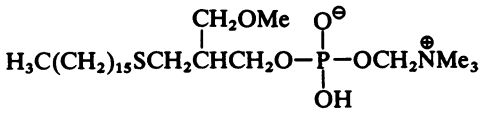
Antileukaemic, antineoplastic, immunosuppressant. Cryst. (Et_2O).

Schulten, H.-R., *Biomed. Mass Spectrom.*, 1974, **1**, 223 (*ms*)
Perales, A. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1935 (*cryst struct*)
Takamizawa, A. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 2900 (*metab*)
Kinas, R.W. *et al*, *Bull. Acad. Pol. Sci. Ser. Sci. Chim.*, 1978, **26**, 39 (*resoln*)
Ludeman, S.M. *et al*, *J. Org. Chem.*, 1979, **44**, 1163 (*synth*)
Pankiewicz, K. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 7712 (*config*)
Wroblewski, A.E. *et al*, *Inorg. Chem.*, 1980, **19**, 3713 (*complexes, resoln*)
Su, C.N. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 7343 (*cd*)
Misiura, K. *et al*, *J. Med. Chem.*, 1983, **26**, 674 (*metab*)
Brade, W.P. *et al*, *Med. Actual.*, 1984, **20**, 491 (*rev*)
Buess, M.L. *et al*, *Org. Magn. Reson.*, 1984, **22**, 67 (*nqr*)
Brade, W.P. *et al*, *Cancer Treat. Rev.*, 1985, **12**, 1 (*pharmacol, tox, use, rev*)
Kleinrok, Z. *et al*, *Arch. Immunol. Ther. Exp.*, 1986, **34**, 293 (*pharmacol, isom*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1840.

Ilmofosine, INN I-00022

4-Hydroxy-7-(methoxymethyl)-N,N,N-trimethyl-3,5-dioxa-9-thia-phosphapentacosan-1-aminium hydroxide, inner salt, 4-oxide, 9CI. *BM 41.440*

[83519-04-4]



$C_{26}H_{56}NO_5PS$ M 525.766

(±)-*form*

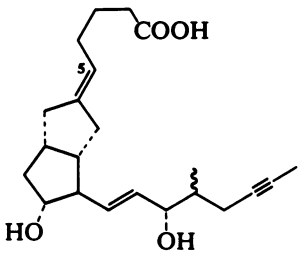
Antineoplastic agent. Mp 243-245° (as trihydrate).

Eur. Pat., 50 327, (*1980*); *CA*, **97**, 198041 (*synth*)
Berdel, W.E. *et al*, *Cancer Res.*, 1983, **43**, 5538 (*pharmacol*)
Leder, G.H. *et al*, *Lipids*, 1987, **22**, 958 (*props*)
Herrmann, D.B. *et al*, *Lipids*, 1988, **23**, 76 (*props*)

Iloprost, INN, BAN I-00023

5-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1-octen-6-ynyl)-2(1H)-pentalenylidene]pentanoic acid, 9CI. *Ciloprost. ZK 36374*

[78919-13-8]



$C_{22}H_{32}O_4$ M 360.492

Analogue of prostacyclin with similar vasodilator activity but increased stability. Peripheral and cerebral vasodilator. Antihypertensive and anticoagulant.

(*5Z*)-*form*

Isoiloprost. ZK 36375

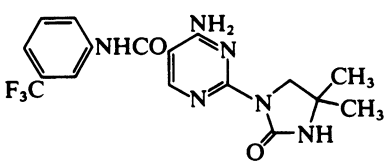
Shows lower biol. activity than Iloprost. Oil.

Ger. Pat., 2 845 770, (*1980*); *CA*, **94**, 15283 (*synth*)
Krause, W. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **30**, 61 (*pharmacol*)
Schenker, K.V. *et al*, *Helv. Chim. Acta*, 1986, **69**, 1718 (*cmr, pmr, config, bibl*)
Schillinger, E. *et al*, *New Cardiovasc. Drugs*, 1986, 209 (*rev, pharmacol, tox, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16847.

Imanixil, INN I-00024

4-Amino-2-(4,4-dimethyl-2-oxo-1-imidazolidinyl)-N-[3-(trifluoromethyl)phenyl]-5-pyrimidinecarboxamide, 9CI

[75689-93-9]



$C_{17}H_{17}F_3N_6O_2$ M 394.356

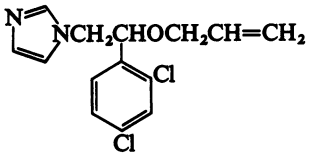
Antiatherosclerotic, antithrombotic. Mp 290°.

Ger. Pat., 2 853 220, (*1980*); *CA*, **93**, 239449k (*synth*)
Kampe, K.D., *Angew. Chem., Int. Ed. Engl.*, 1982, **7**, 540 (*synth*)

Imazalil, BSI I-00025

1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole, 9CI. *1-(β-Allyloxy-2,4-dichlorophenethyl)imidazole.* ***Enilconazole,*** *INN, BAN. Imaverol. R 23979*

[35554-44-0]



$C_{14}H_{14}Cl_2N_2O$ M 297.183

▷NI4776000.

(±)-*form* [73790-28-0]

Agricultural fungicide. Yellow-brown oil. Sl. sol. H_2O. d^{23} 1.243. n_D^{20} 1.5643.

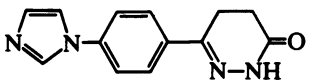
B,H₂SO₄: Powder. Sol. H_2O.

Ger. Pat., 1 940 388, (*1970*); *CA*, **72**, 90466 (*synth, props*)
Thienpont, D. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 309 (*pharmacol, tox*)
Pesticide Manual, 6th Ed., 302.

Imazodan, INN I-00026

4,5-Dihydro-6-[4-(1H-imidazol-1-yl)phenyl]-3(2H)-pyridazinone. CI 914

[84243-58-3]



$C_{13}H_{12}N_4O$ M 240.264

Cardiotonic.

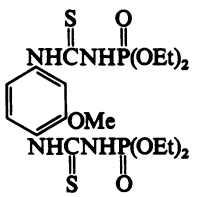
B,HCl: [89198-09-4]. *Imazodan hydrochloride,* USAN. Cryst. + $0.4H_2O$ (EtOH). Mp 290-291°.

Sircar, I. *et al*, *J. Med. Chem.*, 1985, **28**, 1405 (*synth, pharmacol*)
Weishaar, R.E. *et al*, *Eur. J. Pharmacol.*, 1985, **119**, 205 (*pharmacol*)
Evans, D.B. *et al*, *Drug Dev. Res.*, 1986, **9**, 143 (*pharmacol*)
Steffen, R.P. *et al*, *New Cardiovasc. Drugs*, 1986, 81 (*rev*)
Moos, W.H. *et al*, *J. Med. Chem.*, 1987, **30**, 1963 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18963.

Imcarbofos, USAN, INN I-00027

[(2-Methoxy-1,4-phenylene)bis(iminocarbonothioyl)]-bis(phosphoramidic acid) tetraethyl ester, 9CI. *CL 217658*

[66608-32-0]



$C_{17}H_{30}N_4O_7P_2S_2$ M 528.514

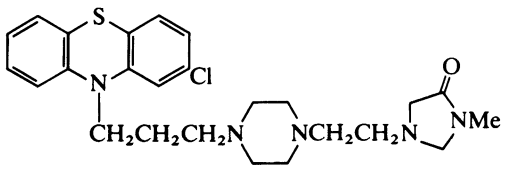
Veterinary anthelmintic. Solid. Mp 143-144°.

Ger. Pat., 2 739 215, (*1978*); *CA*, **89**, 24005 (*synth*)
U.S.P., 4 137 310, (*1979*); *CA*, **90**, 186634w (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15323.

Imiclopazine, INN **I-00028**

1-[2-[4-[3-(2-Chloro-10H-phenothiazin-10-yl)propyl]-1-piperazinyl]ethyl]-3-methyl-2-imidazolidinone, 9CI, 8CI. *Chlorimpiphenine*

[7224-08-0]



$C_{25}H_{32}ClN_5OS$ M 486.074

Neuroleptic, antipsychotic agent. $Bp_{0.01}$ 260°.

B,2HCl: [7414-95-1]. *Ponsital. P 4241.* Mp 255°.

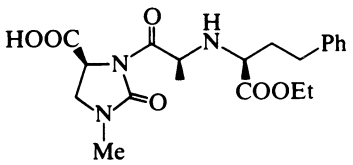
▷SO2625000.

Leuke, D. *et al, Arzneim.-Forsch.*, 1967, **17**, 317 (*pharmacol, tox*)
Netherlands Pat., 6 511 412, (*1967*); *CA*, **67**, 64416f (*synth*)
Kuhnert-Brandstaetter, M. *et al, Microchem. J.*, 1972, **17**, 639 (*props*)
Blazek, J. *et al, Cesk. Farm*, 1975, **24**, 174 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7054.

Imidapril, BAN, INN **I-00029**

3-[2-[[1-(Ethoxycarbonyl)-3-phenyl]propyl]amino]-1-oxopropyl]-1-methyl-2-oxo-4-imidazolidinecarboxylic acid, 9CI

[89371-37-9]



$C_{20}H_{27}N_3O_6$ M 405.450

Antihypertensive agent, angiotensin-converting enzyme inhibitor. Cryst. (EtOAc/hexane). Mp 139-140°. $[\alpha]_D^{20}$ −71.7° (c, 0.5 in EtOH).

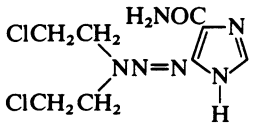
B,HCl: [89396-94-1]. *TA 6366.* Mp 205-206° dec. $[\alpha]_D^{24}$ −64.1° (c, 0.5 in EtOH).

Eur. Pat., 95 163, (*1983*); *CA*, **100**, 174827 (*synth, pharmacol*)

Imidazole mustard **I-00030**

5-[3,3-Bis(2-chloroethyl)-1-triazenyl]-1H-imidazole-4-carboxamide. BIC. NSC 82196. TIC Mustard

[5034-77-5]



$C_8H_{12}Cl_2N_6O$ M 279.128

Store in dark at −15 to −20°. Antineoplastic, immunosuppressive agent.

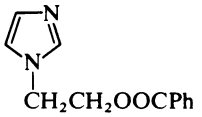
▷NI3930000.

Shealy, Y.F. *et al, Nature*, 1966, **210**, 208 (*pharmacol*)
Shealy, Y.F. *et al, J. Pharm. Sci.*, 1968, **57**, 83; 1975, **64**, 177 (*synth, pharmacol*)
Hansch, C. *et al, Cancer Chemother. Rep., Part I*, 1973, **57**, 383; 1975, **59**, 327 (*activity*)
Hill, D.L., *Cancer Res.*, 1975, **35**, 3106 (*pharmacol*)

(2-Imidazol-1-yl)ethyl benzoate **I-00031**

Imidazol-1-ethanol benzoate, 9CI. *Benzoic acid 2-(1H-imidazol-1-yl)ethyl ester.* ***Zimidoben, INN.*** *GBR 14095*

[90697-56-6]



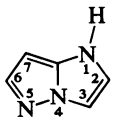
$C_{12}H_{12}N_2O_2$ M 216.239

Antiinfective (for *Acne vulgaris* and *Seborrhoea*). Mp 52-53°. $Bp_{0.5}$ 174°.

Eur. Pat., 124 186, (*1984*); *CA*, **102**, 132037 (*synth, pharmacol*)

1*H*-Imidazo[1,2-*b*]pyrazole, 9CI **I-00032**

[251-80-9]



$C_5H_5N_3$ M 107.115

2,3-Dihydro: [6714-29-0]. *2,3-Dihydro-1H-imidazo[1,2-b]pyrazole,* 9CI. *IMPY. Ba 21381. Ciba 21381.*

$C_5H_7N_3$ M 109.130

Potent and selective inhibitor of DNA synthesis; potential antitumour agent. Mp 68-69°.

▷NJ5098950.

1-Acetyl, 2,3-dihydro:

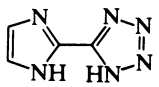
$C_7H_9N_3O$ M 151.168

Mp 111-112°.

U.S.P., 2 989 537, (*1961*); *CA*, **55**, 25990 (*synth, deriv*)
Koga, H. *et al, Chem. Pharm. Bull.*, 1974, **22**, 482 (*deriv*)
Cutbush, S.D. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 353 (*cryst struct, dihydro*)
Moore, E.C. *et al, Pharmacol. Ther.*, 1985, **27**, 167 (*rev, deriv*)

5-(1*H*-Imidaz-2-yl)-1*H*-tetrazole, 9CI **I-00033**

[63927-96-8]



$C_4H_4N_6$ M 136.116

Cryst. ($MeOH/Et_2O$). Mp 318-320°.

N1-*Benzyl:* [63927-95-7]. ***Bentemazole, INN.*** *5-(1-Phenylmethyl-1H-imidaz-2-yl)-1H-tetrazole,* 9CI.

$C_{11}H_{10}N_6$ M 226.240

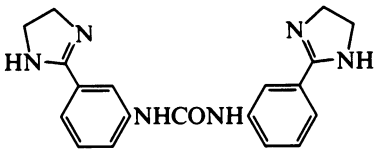
Analgesic, antiuric agent. Cryst. (DMF). Mp 276-278°.

Ger. Pat., 2 550 959, (*1977*); *CA*, **87**, 102341a (*synth*)
Ger. Pat., 2 651 580, (*1978*); *CA*, **89**, 1800005z (*synth, deriv, pharmacol*)

Imidocarb, BAN, INN **I-00034**

N,N'-Bis[3-(4,5-dihydro-1H-imidazol-2-yl)phenyl]-urea, 9CI. 3,3'-Di(2-imidazolin-2-yl)carbanilide, 8CI

[27885-92-3]



$C_{19}H_{20}N_6O$ M 348.407

Used in anaplasmosis treatment. Antiprotozoal agent.

B,2HCl: [5318-76-3]. *Imidocarb hydrochloride, USAN. Imizocarb. A 65.* Mp 370° dec.

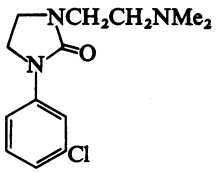
▷FE0550000.

Swiss. Pat., 428 747, (*1967*); *CA*, **68**, 87296 (*synth, pharmacol*)
Roby, T.O., *Res. Vet. Sci.*, 1972, **13**, 519 (*pharmacol*)
Piskov, V.B. *et al, Khim.-Farm. Zh.*, 1974, **8**, 17 (*synth*)
Aliu, Y.O. *et al, Am. J. Vet. Res.*, 1977, **38**, 2001 (*metab*)
Rao, K.S. *et al, Indian Vet. J.*, 1980, **57**, 283 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12844.

Imidoline, INN **I-00035**

1-(3-Chlorophenyl)-3-[2-(dimethylamino)ethyl]-2-imidazolidinone, 9CI

[7303-78-8]



$C_{13}H_{18}ClN_3O$ M 267.758

Tranquilliser.

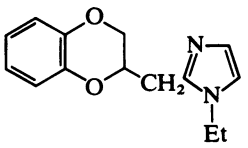
B,HCl: [5588-31-8]. *Imidoline hydrochloride, USAN. CL 48156.* Mp 217-219°.

Wright, W.B. *et al, J. Med. Chem.*, 1966, **9**, 852, 858 (*synth, pharmacol*)
Lien, E.J. *et al, J. Med. Chem.*, 1970, **13**, 681 (*pharmacol*)

Imiloxan, INN **I-00036**

2-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-1-ethyl-1H-imidazole, 9CI

[81167-16-0]



$C_{14}H_{16}N_2O_2$ M 244.293

(±)-form [80959-37-1]

Antihypertensive agent, α_2-adrenoceptor antagonist.

B,HCl: [86710-23-8]. *Imiloxan hydrochloride, USAN. RS 21361.* Cryst. (2-propanol/Et_2O). Mp 174-175°.

Caroon, J.M. *et al, J. Med. Chem.*, 1982, **25**, 666 (*synth, pharmacol*)
Chaples, C.B. *et al, J. Med. Chem.*, 1983, **26**, 823 (*synth, pharmacol*)
Carpy, A. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1267 (*cryst struct*)
Timmermans, P.B. *et al, J. Pharmacol. Exp. Ther.*, 1984, **228**, 739 (*pharmacol*)

3,3'-Iminobis-1-propanol, 9CI **I-00037**

3,3'-Iminodi-1-propanol, 8CI. Di(3-hydroxypropyl)-amine. Bis(3-hydroxypropyl)amine. 3,3'-Dihydroxydipropylamine. Dipropanolamine

[14002-33-6]

$HN(CH_2CH_2CH_2OH)_2$

$C_6H_{15}NO_2$ M 133.190

Industrial solvent. Bp_5 127-128°.

O,O'-Dimethanesulfonyl: [13425-98-4]. ***Improsulfan, INN.***

$C_8H_{19}NO_6S_2$ M 289.361

Antineoplastic agent.

▷Induces bone marrow hyperplasia and other toxic responses. UB6610000.

O,O'-Dimethanesulfonyl; B,HCl: [3458-22-8]. *NSC 102627.* Cryst. (Me_2CO/isopropyl ether). Mp 95-96°.

▷UB6620000.

Tosylate: [32784-82-0]. *Protecton.*

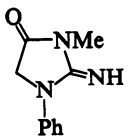
▷UB6621000.

Kurihara, T. *et al, J. Pharm. Soc. Jpn.*, 1954, **74**, 763; *CA*, **49**, 11646c (*synth*)
El-Merzabani, M.M. *et al, Gann.*, 1955, **56**, 589 (*deriv*)
U.S.P., 2 867 660, (*1959*); *CA*, **53**, 9069e (*synth*)
U.S.P., 3 139 457, (*1964*); *CA*, **61**, 6920g (*manuf*)
Rakieten, N. *et al, CA*, 1972, **77**, 15211n (*tox, deriv*)
Okumoto, T. *et al, Chem. Pharm. Bull.*, 1976, **24**, 1913 (*activity*)
Cain, B.F. *et al, J. Med. Chem.*, 1977, **20**, 515 (*synth, Improsulfan*)
Vesely, D.L. *et al, Oncology*, 1979, **36**, 122 (*pharmacol*)
El-Merzabani, M.M. *et al, Pharmazie*, 1983, **38**, 110 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12846.

2-Imino-3-methyl-1-phenyl-4-imidazolidinone, 9CI **I-00038**

Azolimine, USAN, INN. *CL 90748*

[40828-45-3]



$C_{10}H_{11}N_3O$ M 189.216

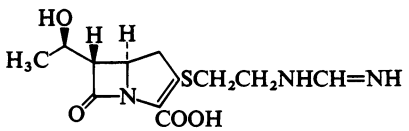
Diuretic used for treatment of hyperaldosteronism. Mp 169-170°.

Ger. Pat., 2 251 354, (*1971*); *CA*, **79**, 18717e (*synth, pharmacol*)
U.S.P., 4 044 021, (*1977*); *CA*, **88**, 6881 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12414.

Imipenem, BAN, USAN, INN **I-00039**

Imipemide. N-Formimidoylthienamycin. MK 0787. Antibiotic MK 0787

[64221-86-9]



$C_{12}H_{17}N_3O_4S$ M 299.344

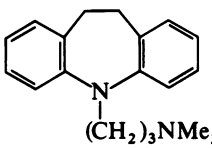
Carbapenem antibiotic. Synthetic. Cannot be obt. from thienamycin producing organisms. Used clinically against pseudomonads. β-Lactamase inhibitor. Stable cryst. + $1H_2O$ (EtOH aq.). $[\alpha]_D^{25}$ +86.8° (c, 0.05 in 0.1M phosphate buffer). Component of Tienam and Primaxin.

Ger. Pat., 2 652 679, (*1977*); *CA*, **87**, 184362 (*synth*)
Leanza, W.J. *et al*, *J. Med. Chem.*, 1979, **22**, 1435 (*synth, props*)
Shinkai, I. *et al*, *Tetrahedron Lett.*, 1982, 4903 (*synth, bibl*)
Kahan, F.M. *et al*, *J. Antimicrob. Chemother.*, 1983, **12** (*Suppl. D*), 1 (*rev*)
Oberholtzer, E.R. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 73 (*rev, props, ir, pmr, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16849.

Imipramine, BAN I-00040

*10,11-Dihydro-*N,N*-dimethyl-5*H*-dibenz*[bf]*azepine-5-propanamine, 9CI. 5-(2-Dimethylaminopropyl)-10,11-dihydro-5*H*-dibenz*[bf]*azepine. Dimipressin*

[50-49-7]



$C_{19}H_{24}N_2$ M 280.412
Antidepressant drug. Liq. $Bp_{0.1}$ 174-175°.
▷HO1575000.

B,HCl: [113-52-0]. *Imipramine hydrochloride, USAN. Praminil. Tofranil. Numerous proprietary names.* Cryst. (Me_2CO). Mp 174-175°.
▷HO1925000.

N-*Oxide:* [6829-98-7]. ***Imipraminoxide, INN.*** *Imiprex. Elepsin.*
$C_{19}H_{24}N_2O$ M 296.411
Antidepressant. Hygroscopic needles or cryst. + 1 H_2O. Mp 120-123° dec. (anhyd), Mp 75-79° (monohydrate).

N-*Oxide; B,HCl:* [19864-71-2]. Hygroscopic powder. Mp 153.1-155.5° (dec.).
▷HO2275000.

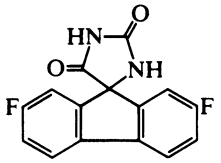
Embonate (pamoate) (2:1): [10075-24-8]. *Tofranil-PM.*

Schindler, W. *et al*, *Helv. Chim. Acta*, 1954, **37**, 472.
Bickel, M.H. *et al*, *Biochem. Pharmacol.*, 1966, **15**, 1155 (*metab*)
Buech, O. *et al*, *Med. Pharmacol. Exp.*, 1966, **15**, 187 (*pharmacol, oxide*)
Swiss Pat., 408 018, (*1966*); *CA*, 1967, **66**, 10857u (*oxide, synth, tox, pharmacol*)
Post, M.L. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1008 (*cryst struct*)
Kender, D.N. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 37 (*rev*)
Craik, D.J. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 188 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2514, 2515, 2516, 2517.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5355.

Imirestat, INN I-00041

2,7-Difluorospiro[fluorene-9,4'-imidazolidine]-2',5'-dione. AL 1576. Hoe 843

[89391-50-4]



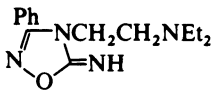
$C_{15}H_8F_2N_2O_2$ M 286.237
Aldose reductase inhibitor. Cryst. Mp 327-329° dec.

Eur. Pat., 137 333, (*1985*); *CA*, **103**, 87876 (*synth*)
Griffin, B.W. *et al*, *Metab. Clin. Exp.*, 1987, **36**, 486 (*pharmacol*)
Park, Y.H. *et al*, *J. Pharm. Sci.*, 1988, **77**, 110 (*pharmacol*)

Imolamine, BAN, INN I-00042

N,N-*Diethyl-5-imino-3-phenyl-1,2,4-oxadiazole-4(5*H*)-ethanamine, 9CI. 4-(2-Diethylaminoethyl)-5-imino-3-phenyl-1,2,4-oxadiazoline. LA 1211*

[318-23-0]



$C_{14}H_{20}N_4O$ M 260.338
Vasodilator, used in treatment of angina pectoris. Hydrochloride also used as a local anaesthetic. $Bp_{0.2}$ 165°.

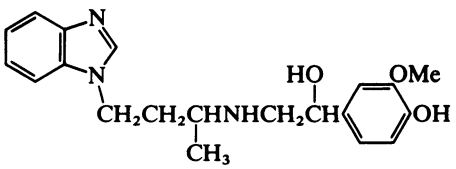
B,HCl: [15823-89-9]. *Angolon. Angoril. Circuline. Coremax. Irri-Cor. Irrigor.* Mp 154-155°.

Fr. Pat., M 2023, (*1963*); *CA*, **60**, 2952 (*synth*)
Sterne, J. *et al*, *Therapie*, 1965, **20**, 89, 95 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9242.

Imoxiterol, INN I-00043

α-*[[[3-(1*H*-Benzimidazol-1-yl)-1-methylpropyl]-amino]methyl]-4-hydroxy-3-methoxybenzenemethanol, 9CI. RB 1622*

[88578-07-8]



$C_{20}H_{25}N_3O_3$ M 355.436
Bronchodilator. Viscous oil.

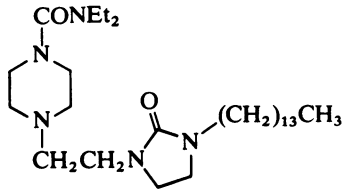
B,2HCl: [88578-14-7]. Cryst. (EtOH).
2B,H_2SO_4: [88578-08-9]. Mp 150°.
Fumarate (1:1): [88578-18-1]. Mp 200°.

Eur. Pat., 89 894, (*1983*); *CA*, **100**, 51571 (*synth, pharmacol*)

Impacarzine, INN I-00044

N,N-*Diethyl-4-[2-(2-oxo-3-tetradecyl-1-imidazolidinyl)ethyl]-1-piperazinecarboxamide, 9CI*

[41340-39-0]



$C_{28}H_{55}N_5O_2$ M 493.775

Virucide. Oil. n_D^{21} 1.489.

B,HCl: [57165-40-9]. *Asta 5531.* Cryst. Mp 162-165°.

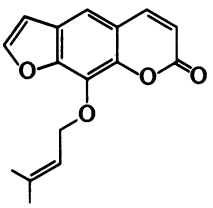
Ger. Pat., 2 150 438, (*1973*); *CA*, **79**, 5368s (*synth, pharmacol*)

Kroeger, H. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1426 (*pharmacol*)

Imperatorin I-00045

9-[(3-Methyl-2-butenyl)oxy]-7H-furo[3,2-g][1]-benzopyran-7-one, 9CI. 9-(3-Methyl-2-butenyloxy)-7-oxofuro[3,2-g]chromene. ***Pentasalen, BAN.*** *Marmelide. Ammidin*

[482-44-0]



$C_{16}H_{14}O_4$ M 270.284

Struct. of Marmelide revised in 1984. Present in roots of *Imperatoria ostruthium* and *Clausenia dentata.* Shows antimicrobial activity. Aid to dermal pigmentation. Mp 102°.

▷LV1575000.

Späth, E. *et al*, *Ber.*, 1933, **66**, 1137 (*struct*)

Govindachari, T.R. *et al*, *Tetrahedron*, 1968, **24**, 753 (*isol*)

Basa, S.C. *et al*, *Chem. Ind. (London)*, 1970, 746 (*isol, uv, ir, nmr*)

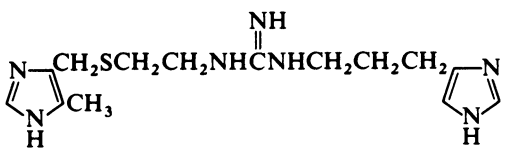
Booer, M. *et al*, *Ghana J. Sci.*, 1970, **10**, 82 (*pharmacol*)

Murray, R.D.H. *et al*, *Tetrahedron*, 1984, **40**, 5225 (*struct*)

Impromidine, BAN, INN I-00046

N-[3-(1H-*Imidazol-4-yl)propyl]-N'-[2-[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine, 9CI. SKF 92676*

[55273-05-7]



$C_{14}H_{23}N_7S$ M 321.443

Histamine H_2-receptor agonist. Diagnostic aid (gastric secretion indicator).

B,3HCl: [65573-02-6]. *Impromidine hydrochloride, USAN.* Cryst. (EtOH). Mp 195-197°.

▷MF3623500.

Leslie, G.B. *et al*, *J. Appl. Toxicol.*, 1982, **2**, 265 (*tox*)

Durant, G.J. *et al*, *J. Med. Chem.*, 1985, **28**, 1414 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12845.

Imuracetam, INN I-00047

N,N-*Bis[(2-oxo-1-pyrrolidinyl)methyl]urea, 9CI. UCB-G218*

[67542-41-0]



$C_{11}H_{18}N_4O_3$ M 254.288

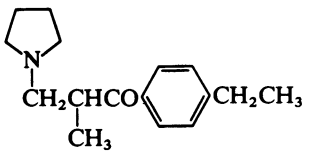
Nootropic (cognition enhancer). Cryst. (2-propanol). Mp 184.5°.

Ger. Pat., 2 805 769, (*1978*); *CA*, **89**, 197313w (*synth, pharmacol*)

Inaperisone, INN I-00048

1-(4-Ethylphenyl)-2-methyl-3-(1-pyrrolidinyl)-1-propanone, 9CI

[99323-21-4]



$C_{16}H_{23}NO$ M 245.364

(±)-form

Muscle relaxant.

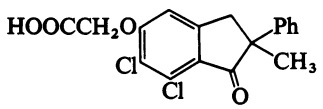
B,HCl: [90878-85-6]. *HSR 770.* Needles (butanone). Mp 152-153°.

Eur. Pat., 150 235, (*1985*); *CA*, **103**, 215160 (*synth*)

Morikawa, K. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 331 (*pharmacol*)

Indacrinone, USAN, INN I-00049

(6,7-Dichloro-2,3-dihydro-2-methyl-1-oxo-2-phenyl-1H-inden-5-yl)acetic acid, 9CI. Indacrinic acid. MK 196



$C_{18}H_{14}Cl_2O_4$ M 365.212

(R)-form [56049-89-9]

Cryst. (toluene). Mp 164°. $[\alpha]_D^{25}$ −90° (c, 2 in Me_2CO).

▷AH0306000.

(±)-form [57296-63-6]

Antihypertensive, diuretic. Cryst. (AcOH). Mp 167-168°.

▷AH0308000.

Zacchei, A.G. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1977, **2**, 37 (*metab*)

DeSolms, S.J. *et al*, *J. Med. Chem.*, 1978, **21**, 437 (*synth, pharmacol*)

Wilhelmsson, C.E. *et al*, *Br. J. Clin. Pharmacol.*, 1979, **8**, 261 (*pharmacol*)

Woltersdorf, O.W. *et al*, *J. Labelled Compd. Radiopharm.*, 1980, **17**, 635 (*synth*)

Blaine, E.H. *et al*, *Clin. Exp. Hypertens.*, 1982, **4**, 161 (*pharmacol, isom*)

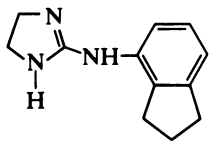
Dolling, U.H. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 446 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12847.

Indanazoline, INN **I-00050**

N-(*2,3-Dihydro-1*H*-inden-4-yl*)*-4,5-dihydro-1*H*-imidazol-2-amine,* 9CI. *2-(4-Indanylamino)-2-imidazoline. Farial. E-VA-16*

[40507-78-6]



$C_{12}H_{15}N_3$ M 201.271

Vasoconstrictor, nasal decongestant. Cryst. (pet. ether). Mp 109-113°.

B,HCl: Indanazoline hydrochloride. Cryst. (2-propanol). Mp 183-185°.

Maleate: [40507-89-9]. Cryst. (2-propanol). Mp 122-124°.

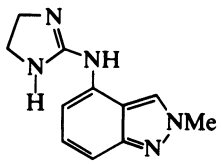
Ger. Pat., 2 136 325, (*1973*); *CA*, **78**, 111315m (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12848.

Indanidine, INN **I-00051**

N-(*4,5-Dihydro-1*H*-imidazol-2-yl*)*-2-methyl-2*H*-indazol-4-amine,* 9CI. *4-(2-Imidazolin-2-ylamino)-2-methyl-2*H*-indazole*

[85392-79-6]



$C_{11}H_{13}N_5$ M 215.257

Antihypertensive agent, α_1-receptor stimulant, α_2-receptor blocker.

B,HCl: [82013-55-6]. *Indanidine hydrochloride. Sgd 101-75.* Cryst. (2-propanol). Mp 270-271°.

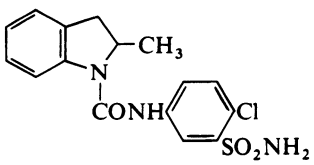
Eur. Pat., 47 328, (*1982*); *CA*, **97**, 6303a (*synth, pharmacol*)

Coates, J. *et al*, *Br. J. Pharmacol.*, 1983, **78**, 117 (*pharmacol*)

Indapamide, BAN, USAN, INN, JAN **I-00052**

*3-(Aminosulfonyl)-4-chloro-*N*-(2,3-dihydro-2-methyl-1*H*-indol-1-yl)benzamide,* 9CI. *4-Chloro-*N*-(2-methyl-1-indolinyl)-3-sulfamoylbenzamide,* 8CI. *Metindamide. Natrilix. Fludex. Numerous proprietary names*

[26807-65-8]



$C_{16}H_{16}ClN_3O_3S$ M 365.834

Antihypertensive, diuretic. Cryst. (2-propanol aq.). Mp 160-162°.

▷CV2449850.

Fr. Pat., 2 003 311, (*1969*); *CA*, **72**, 100500 (*synth*)

Campbell, D.B., *Curr. Med. Res. Opin.*, 1983, **8**, 9 (*rev*)

Klunk, L.J. *et al*, *J. Clin. Pharmacol.*, 1983, **23**, 377 (*metab*)

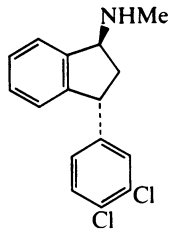
Pruss, T. *et al*, *Am. Heart J.*, 1983, **106**, 208 (*rev*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3930 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2335.

Indatraline, INN **I-00053**

*3-(3,4-Dichlorophenyl)-2,3-dihydro-*N*-methyl-1*H*-inden-1-amine,* 9CI. *3-(3,4-Dichlorophenyl)-1-(methylamino)indene*



(*1RS,3RS*)-*form*

$C_{16}H_{15}Cl_2N$ M 292.207

(***1RS,3RS*)-*form*** [97229-15-7]

(±)-trans-*form. LU 19005*

Antidepressant. Cryst. (Me_2CO/EtOH/Et_2O). Mp 183-185° (as hydrochloride).

Eur. Pat., 76 669, (*1983*); *CA*, **99**, 122072q (*synth*)

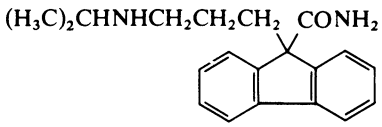
Arnt, J. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1985, **329**, 101 (*pharmacol*)

Bogeso, K.P. *et al*, *J. Med. Chem.*, 1985, **28**, 1817 (*synth, pharmacol*)

Indecainide, INN **I-00054**

*9-[3-[(1-Methylethyl)amino]propyl]-9*H*-fluorene-9-carboxamide,* 9CI

[74517-78-5]



$C_{20}H_{24}N_2O$ M 308.422

Cardiac depressant, antiarrhythmic drug. Cryst. (*n*-hexane). Mp 94-95°.

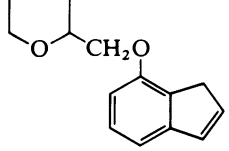
B,HCl: [73681-12-6]. *Indecainide hydrochloride,* USAN. *LY 135837. Ricainide hydrochloride.*

U.S.P., 4 197 313, (*1980*); *CA*, **93**, 95057f (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19340.

Indeloxazine, INN **I-00055**

*2-[(1*H*-Inden-7-yloxy)methyl]morpholine,* 9CI



$C_{14}H_{17}NO_2$ M 231.294

(±)-***form*** [60929-23-9]

Antidepressant.

B,HCl: [65043-22-3]. *Indeloxazine hydrochloride,* USAN. *CI 874. YM 08054-1.*

▷QE5210000.

Japan. Pat., 77 111 580, (*1977*); *CA*, **88**, 121197v (*synth, pharmacol*)

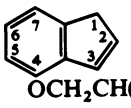
Tachikawa, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1979, **238**, 81 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15324.

Indenolol, BAN, INN I-00056

1-[1H-Inden-4(or 7)-yloxyl]-3-[(1-methylethyl)-amino]-2-propanol, 9CI. Sch 28316Z

[60607-68-3]



$OCH_2CH(OH)CH_2NHCH(CH_3)_2$

$C_{15}H_{21}NO_2$ M 247.336

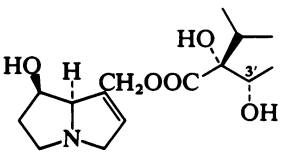
Tautomeric mix. of the 7- and 4-indenyloxy isomers in 2:1 ratio. β-Adrenergic blocker. Antiarrhythmic agent. Cryst. (hexane/Et_2O). Mp 88-89°.

B,HCl: [81789-85-7]. *Indenolol hydrochloride, JAN. Pulsan.* Cryst. (EtOH/Et_2O). Mp 147-148°.

Takenaka, T. *et al, Arzneim.-Forsch.*, 1972, **22**, 1864 (*pharmacol*)
Murase, K. *et al, Chem. Pharm. Bull.*, 1976, **24**, 552 (*synth, bibl*)
Bartsch, W. *et al, Arzneim.-Forsch.*, 1977, **27**, 1022 (*pharmacol*)
Anon., *Drugs of Today*, 1980, **16**, 20 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12849.

Indicine I-00057

[480-82-0]



$C_{15}H_{25}NO_5$ M 299.366

Ester of retronecine (with (−)-trachoelanthic acid. Alkaloid from *Heliotropium indicum* (Boraginaceae). Prisms (pet. ether). Mp 97-98°. $[\alpha]_D$ + 22.3° (c, 1.65 in EtOH). V. difficult to crystallise.

Picrate: Leaflets (C_6H_6). Mp 81-86°, Mp 90° (dimorph.).

B,MeI: Blades (EtOH/Et_2O). Mp 159-160°. $[\alpha]_D$ +12.5° (c, 4.32 in EtOH).

N-*Oxide:* [41708-76-3]. ***Indicine* N-*oxide***.
$C_{15}H_{25}NO_6$ M 315.366
Constit. of *H. indicum* (Boraginaceae). Exhibits strong antitumour activity *vs.* Walker 256 carcinosarcoma, poss. by a mechanism of purine antagonism; clinically tested antitumour agent (1985). Deliquescent cryst. (MeOH). Mp 130-131° dec. $[\alpha]_D^{20}$ +34° (c, 7 in EtOH).

▷EK7795000.

3′-*Ac:* [11014-09-8]. ***Acetylindicine***.
$C_{17}H_{27}NO_6$ M 341.403
Alkaloid from *H. indicum* (Boraginaceae). Gum.

Tri-Ac: Viscous oil. $[\alpha]_D$ −9.25° (c, 4.4 in EtOH).

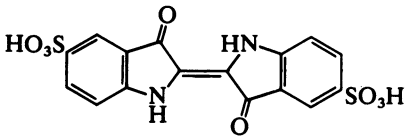
Tri-Ac, picrate: Leaflets (EtOH). Mp 131-132°.

Mattocks, A.R. *et al, J. Chem. Soc.*, 1961, 5400 (*isol, struct*)
Mattocks, A.R., *J. Chem. Soc. (C)*, 1967, 329 (*Acetylindicine*)
Kugelman, M. *et al, Lloydia*, 1976, **39**, 125 (*pharmacol, oxide*)
Jones, A.J. *et al, Aust. J. Chem.*, 1982, **35**, 1173 (*cmr*)
Suffness, M. *et al, Alkaloids (N.Y.)*, 1985, **25**, 32 (*rev, pharmacol, oxide*)
Vedejs, E. *et al, J. Org. Chem.*, 1985, **50**, 2170 (*synth*)
Zalkow, L.H. *et al, J. Med. Chem.*, 1985, **28**, 687 (*synth*)

Indigotindisulfonic acid I-00058

2-(1,3-Dihydro-3-oxo-5-sulfo-2H-indol-2-ylidene)-2,3-dihydro-3-oxo-1H-indole-5-sulfonic acid, 9CI. 3,3′-Dioxo[$\Delta^{2,2'}$-biindoline]-5,5′-disulfonate, 8CI. Indigodisulfonic acid

[483-20-5]



$C_{16}H_{10}N_2O_8S_2$ M 422.384

Obt. by sulfonating indigo with conc. or sl. fuming H_2SO_4 (Barth, 1740).

Di-Na salt: [860-22-0]. *Indigo carmine. Soluble indigo blue. C.I. Acid Blue 74. C.I. Food Blue 1. Amacid brilliant blue. Carmine blue. Indigotine. C.I. Pigment blue 63.* Dye used in cytoscopy as diagnostic aid, in indicators and cosmetics. Dark blue. Sol. H_2O, sl. sol. EtOH. Sensitive to light and oxidizing agents.

▷DU3000000.

Heymann, B., *Ber.*, 1891, **24**, 1476, 3066 (*synth*)
Vorländer, D. *et al, Ber.*, 1901, **34**, 1860 (*struct*)
Hooson, J. *et al, Food Cosmet. Toxicol.*, 1975, **13**, 177 (*tox*)

Indium chloride I-00059

[10025-82-8]

$InCl_3$

Cl_3In M 221.179

Yellow deliquesc. cryst. Mp 586° (subl. 500°). ^{113m}In cpd. used as radioactive agent.

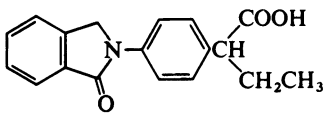
▷NL1400000.

McCord, C.P. *et al, J. Ind. Hyg. Toxicol.*, 1942, **24**, 243 (*tox*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 867 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5861.
Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 1986.

Indobufen, INN I-00060

4-(1,3-Dihydro-1-oxo-2H-isoindol-2-yl)-α-ethylbenzeneacetic acid, 9CI. 2-[p-(1-Oxo-2-isoindolinyl)-phenyl]butyric acid. Ibustrin. K 3920

[63610-08-2]



$C_{18}H_{17}NO_3$ M 295.337

▷ET5955800.

(±)-***form***

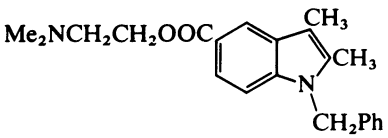
Platelet aggregation inhibitor, antiinflammatory and analgesic. Cryst. (EtOH). Mp 182-184°.

Nannini, G. *et al, Arzneim.-Forsch.*, 1973, **23**, 1090 (*synth, pharmacol*)
Tonani, R. *et al, Adv. Mass Spectrom.*, 1980, **8B**, 1274 (*metab, glc, ms*)
Tremoli, E. *et al, Pharmacol. Res. Commun.*, 1981, **13**, 847 (*pharmacol*)
Bergamaschi, M. *et al, Pharmacol. Res. Commun.*, 1984, **16**, 979 (*pharmacol*)
Crow, M.J. *et al, Thromb. Res.*, 1985, **38**, 303 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12850.

Indocate, INN **I-00061**

2,3-Dimethyl-1-(phenylmethyl)-1H-indole-5-carboxylic acid 2-(dimethylamino)ethyl ester, 9CI. *2-(Dimethylamino)ethyl 1-benzyl-2,3-dimethyl-5-indolecarboxylate,* 8CI. *2-(Dimethylamino)ethyl 2,3-dimethyl-1-(phenylmethyl)-1H-indole-5-carboxylate. Indocarb. K-281*

[31386-25-1]



$C_{22}H_{26}N_2O_2$ M 350.460

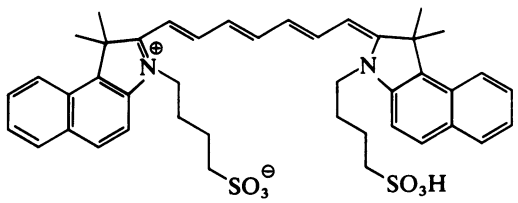
Antiserotinergic agent, monoamine oxidase inhibitor.

B,HCl: [21129-53-3].

U.S.S.R. Pat., 225 196, (*1968*); *CA*, **70**, 28821n (*synth*)
Pidevich, I.N. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 155 (*pharmacol*)

Indocyanine green, USAN **I-00062**

2-[7-[1,1-Dimethyl-3-(4-sulfobutyl)-2H-benz[e]indol-2-ylidene]-1,3,5-heptatrienyl]-1,1-dimethyl-3-(4-sulfobutyl)-1H-benz[e]indolium hydroxide inner salt, 9CI, 8CI. *Cardio-green. Fox green. Tricarbocyanine II. Wofaverdin*



$C_{43}H_{48}N_2O_6S_2$ M 752.982

Dye used for determination of cardiac output and hepatic function.

Na salt: [3599-32-4]. Green powder. Mp 243-245° dec.

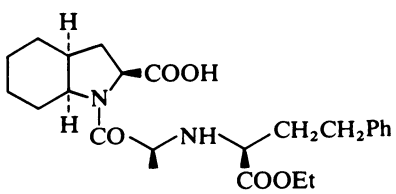
▷DE3150000.

U.S.P., 2 895 955, (*1959*); *CA*, **54**, 121d (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2136.

Indolapril, INN **I-00063**

1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydro-1H-indole-2-carboxylic acid, 9CI. *1-[N-(1-Carboxy-3-phenylpropyl)alanyl]hexahydro-2-indolinecarboxylic acid 1-ethyl ester*

[80876-01-3]



$C_{24}H_{34}N_2O_5$ M 430.543

Antihypertensive agent (ACE inhibitor). Solid. Mp 138-140°. $[\alpha]_D^{23}$ −37.6° (c, 1.0 in 1*N* HCl).

B,HCl: [80828-32-6]. *Indolapril hydrochloride,* USAN. *CI 907. PD 109762-2. REV 6000-A (SS). Sch 31846. Maleate:* [82961-92-0].

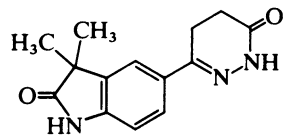
3a-Epimer: see Trandolaprilat, T-00396

Eur. Pat., 37 231, (*1981*); *CA*, **96**, 122630h (*synth, pharmacol*)
Eur. Pat., 49 658, (*1982*); *CA*, **97**, 216716p (*synth, pmr, pharmacol, deriv*)
Blankley, C.J. *et al*, *J. Med. Chem.*, 1987, **30**, 992 (*synth, pharmacol*)

Indolidan, INN, USAN **I-00064**

1,3-Dihydro-3,3-dimethyl-5-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-2H-indol-2-one, 9CI. *LY195115 20*

[100643-96-7]



$C_{14}H_{15}N_3O_2$ M 257.291

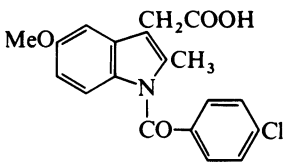
Cardiotonic agent. Cryst. (DMF aq.). Mp >300°.

Robertson, D.W. *et al*, *J. Med. Chem.*, 1986, **29**, 1832; 1987, **30**, 623 (*cryst struct, synth, pharmacol*)

Indomethacin, BAN, USAN **I-00065**

1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic acid, 9CI. **Indometacin,** INN, **JAN**. *Indocin. Indomed. Numerous proprietary names*

[53-86-1]



$C_{19}H_{16}ClNO_4$ M 357.793

Antiinflammatory, analgesic, antipyretic. Cryst. (*tert*-butyl alcohol). Mp 156-159°.

▷NL3500000.

Me ester: [1601-18-9].
$C_{20}H_{18}ClNO_4$ M 371.820
Mp 99-100°.

▷NL3522150.

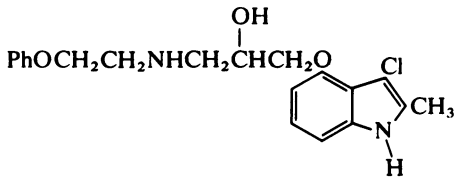
4-(Acetylamino)phenyl ester: [68483-33-0]. *Indometacin paracetamol ester.* ***Apyramide***.
$C_{27}H_{23}ClN_2O_5$ M 490.942
Antiinflammatory agent. Cryst. (Me_2CO/Et_2O). Mp 184-186°.

Shen, T.Y. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 488.
Yamamato, H., *Chem. Pharm. Bull.*, 1968, **16**, 17 (*synth*)
Bertazzoni, D. *et al*, *Boll. Chim. Farm.*, 1970, **109**, 60 (*synth*)
Kistenmacher, T.J. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 1340 (*cryst struct*)
Shen, T.Y. *et al*, *Adv. Drug Res.*, 1977, **12**, 89 (*rev*)
Fr. Pat., 2 358 145, (*1978*); *CA*, **90**, 34101 (*Apyramide*)
Singh, S.P. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 13 (*pmr*)
Helleberg, L., *Clin. Pharmacokinet.*, 1981, **6**, 245 (*metab*)
O'Brien, M. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 211 (*rev*)
Kaneniwa, N. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3447 (*synth, struct*)
Sauvaire, D. *et al*, *Drugs Exp. Clin. Res.*, 1987, **13**, 247 (*Apyramide*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5116 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2658.

Indopanolol, INN **I-00066**

1-[(3-Chloro-2-methylindol-4-yl)oxy]-3-[(2-phenoxyethyl)amino]-2-propanol, 9CI. Infendolol. LQ 31-341

[69907-17-1]



$C_{20}H_{23}ClN_2O_3$ M 374.866

(±)-form

Sympatholytic agent, α- and β-adrenergic blocker.

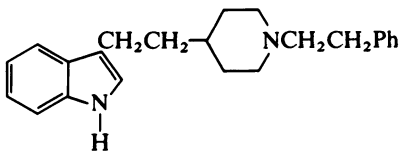
Hydrogen malonate: Cryst. (MeOH). Mp 135-137°.

Ger. Pat., 2 830 211, (*1979*); *CA*, **90**, 151989p (*synth*)

Indopine, INN **I-00067**

3-[2-(1-Phenylethyl-4-piperidinyl)ethyl]-1H-indole, 9CI

[3569-26-4]



$C_{23}H_{28}N_2$ M 332.488

Analgesic, tranquilliser.

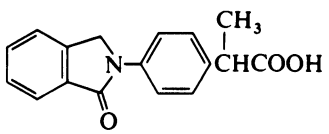
B,HCl: [24361-13-5]. *IN 691.*

O'Dell, T.B. *et al*, *Proc. Intern. Pharmacol. Meeting, 1st Stockholm*, 1961, **8**, 137 (*pharmacol*)

Indoprofen, BAN, USAN, INN **I-00068**

4-(1,3-Dihydro-1-oxo-2H-isoindol-2-yl)-α-methylbenzeneacetic acid, 9CI. p-(*1-Oxo-2-isoindolinyl*)-*hydratropic acid, 8CI. Bor-Ind. Eudyne. Fenint. Flagodin. Flosin. Flosint. Flosyn. Flozim. Isindone. Praxis. Reumofene. Wexifan*

[31842-01-0]



$C_{17}H_{15}NO_3$ M 281.310

▷MU6645000.

(*S*)-form [53086-13-8]

Dexindoprofen, INN

Analgesic, antiinflammatory agent. Scales (2-propanol). Mp 205-207°. $[\alpha]_D^{20}$ +48° (c, 0.05 in DMSO).

(±)-form

Mp 213-214°. Use currently banned in UK.

Buttinoni, A. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1100 (*pharmacol*)

Nannini, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 1090 (*synth*)

Ger. Pat., 2 258 088, (*1974*); *CA*, **81**, 13382y

Tosolini, G.P. *et al*, *J. Pharm. Sci.*, 1974, **63**, 1072 (*glc, metab*)

Kametani, T. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 369 (*synth, resoln*)

DeMunari, S. *et al*, *Tetrahedron Lett.*, 1980, **21**, 2273 (*abs config*)

Ghislandi, V. *et al*, *Farmaco, Ed. Sci.*, 1982, **37**, 81 (*conformn*)

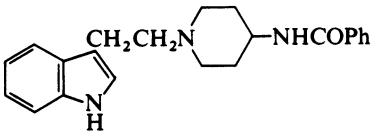
Buttinoni, A. *et al*, *J. Pharm. Pharmacol.*, 1983, **35**, 603 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2659.

Indoramin, BAN, USAN, INN **I-00069**

N-[*1-[2-(1-H-Indol-3-yl)ethyl]-4-piperidinyl*]-*benzamide, 9CI, 8CI. WY 21901*

[26844-12-2]



$C_{22}H_{25}N_3O$ M 347.459

Antihypertensive agent, α-adrenergic blocker. Cryst. (EtOH). Mp 208-210°.

B,HCl: [38821-52-2]. *Indoramin hydrochloride, USAN. Baratol.* Cryst. Mp 230-232°, Mp 258-260° (dimorphic).

Archibald, J.L. *et al*, *J. Med. Chem.*, 1971, **14**, 1054 (*synth, pharmacol*)

Archibald, J.L. *et al*, *Br. J. Clin. Pharmacol.*, 1981, **12**, 45 (*pharmacol, rev*)

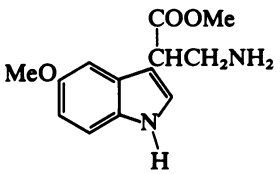
Holmes, B. *et al*, *Drugs*, 1986, **31**, 467 (*pharmacol, rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 879.

Indorenate, INN **I-00070**

α-(*Aminomethyl*)-*5-methoxy-1H-indole-3-acetic acid methyl ester, 9CI. Methyl α-(aminomethyl)-5-methoxy-1H-indole-3-acetate*

[79754-82-8]



$C_{13}H_{16}N_2O_3$ M 248.281

(±)-form [73758-06-2]

Antihypertensive agent.

B,HCl: [72318-55-9]. *Indorenate hydrochloride, USAN. TR 3369.* Cryst. (MeOH/EtOAc). Mp 212-214°.

Ger. Pat., 2 921 978, (*1979*); *CA*, **92**, 128724f (*synth, pharmacol*)

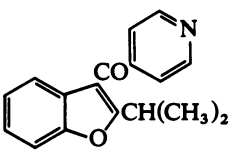
Safdy, M.E. *et al*, *J. Med. Chem.*, 1982, **25**, 723 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12851.

Inicarone, INN **I-00071**

[*2-(1-Methylethyl)-3-benzofuranyl*]-*4-pyridinylmethanone, 9CI. 2-Isopropyl-3-benzofuranyl 4-pyridyl ketone. L 7035*

[39178-37-5]



$C_{17}H_{15}NO_2$ M 265.311

Fibrinolytic agent. Cryst. (2-propanol). Mp 108°.

B,HCl: Cryst. (EtOAc/2-propanol). Mp 165° dec.

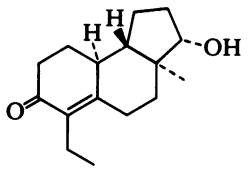
Ger. Pat., 2 220 361, (*1972*); *CA*, **78**, 29612w (*synth, pharmacol*)

Barchewitz, G. *et al*, *Therapie*, 1974, **29**, 57 (*pharmacol*)

Inocoterone, INN I-00072

6-Ethyl-1,2,3,3a,4,5,8,9,9a,9b-decahydro-3-hydroxy-3a-methyl-7H-benz[e]inden-7-one, *9CI*

[83646-97-3]



$C_{16}H_{24}O_2$ M 248.364

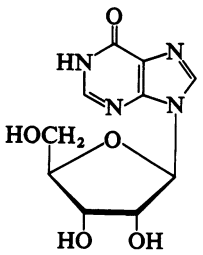
Topical antiandrogen. Cryst. (isopropyl ether). Mp 113°. $[\alpha]_D^{25}$ −36° (c, 1 in MeOH).

Morales-Alanis, H. *et al*, *J. Med. Chem.*, 1985, **28**, 1796 (*synth, pharmacol, bibl*)

Inosine, 9CI, INN I-00073

1,9-Dihydro-9-β-D-ribofuranosyl-6H-purin-6-one, *9CI*. *9-β-D-Ribofuranosylhypoxanthine*, *8CI*. *Hypoxanthine riboside*. *Hypoxanthosine*. *Aminosin*. *Inosie*. *Oxiamine*. *Trophicardyl*. *Numerous proprietary names*

[58-63-9]



$C_{10}H_{12}N_4O_5$ M 268.229

Present in meat extracts and sugar beet. Activates cellular functions. Cardiotonic. Mp 215° dec. $[\alpha]_D^{18}$ −49.2° (c, 0.9 in H_2O). λ_{max} 248.5 nm (ε 12 200) (pH 6).

▷NM7460000.

Compd. with 1-(Dimethylamino)-2-propanol-4-(acetylamino)benzoate (salt): [36703-88-5]. *Inosine pranobex*, *BAN*. *Inosiplex*. *Isoprinosine*. *Methisoprinol*. *Prinosine*. *Numerous proprietary names*. Antiviral, immunostimulant.

▷NM7461240.

2′,3′-O-Isopropylidene:
$C_{13}H_{16}N_4O_5$ M 308.293
Mp 274°.

3′-Ac:
$C_{12}H_{14}N_4O_6$ M 310.266
Mp 208.5-210°.

2′,3′,5′-Tri-Ac:
$C_{16}H_{18}N_4O_8$ M 394.340
Mp 236°.

2′,5′-Bis(methoxytetrahydropyranyl): Mp 194-195°.

2′,5′-Bis(methoxytetrahydropyranyl), 3′-Ac: Mp 199-201°.

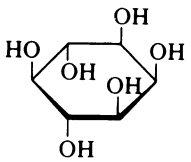
5′-Trityl: Mp 253-254°.

Gulland, J.M. *et al*, *J. Chem. Soc.*, 1936, 765 (*struct*)
Kinichi, I. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 1377 (*synth*)
Japan. Pat., 68 13 215, (*1968*); *CA*, **70**, 47808
Green, D.P.L. *et al*, *Tetrahedron*, 1970, **26**, 1031 (*synth*)
Munns, A.R.I. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 1114 (*cryst struct*)
Chenon, M.T. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4627 (*cmr*)
Westhof, E. *et al*, *Z. Naturforsch., C*, 1975, **30**, 131 (*pmr*)
Hawkes, G.E. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 1268 (*N-15 nmr*)
Yamazaki, A. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 353 (*rev, synth*)
Aviado, D.M., *J. Pharmacol.*, 1983, **14**, 47 (*rev, pharmacol*)
Campoli-Richards, D.M. *et al*, *Drugs*, 1986, **32**, 383 (*rev, Pranobex*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1551.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12852, 12941.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1615.

myo-Inositol, 8CI I-00074

(1α,2α,3α,4β,5α,6β)-Cyclohexanehexol. meso-*Inositol*. *Dambose*. *Nucitol*. *1,2,3,5/4,6-Inositol*. i-*Inositol*. *Inositol*. *Mesoinositol*. *Phaseomannitol*. *Myoinositol*. *Other proprietary names*

[87-89-8]



$C_6H_{12}O_6$ M 180.157

The most widely distributed member of the group of stereoisomers. Of common occurrence in plants and animals. Obt. comly. from phytic acid in corn steep liquor. Growth factor for animals and microorganisms. Toxic and lipotropic. Mp 225°. Opt. inactive (*meso-*).

1,2-O-Cyclohexylidene: [6763-47-9]. *1,2-O-Cyclohexylidene*-myo-*inositol*.
$C_{12}H_{20}O_6$ M 260.286
Mp 179°.

1,2:4,5-Di-O-isopropylidene: [34379-30-1]. *1,2:4,5-Di-O-isopropylidene*-myo-*inositol*.
$C_{12}H_{20}O_6$ M 260.286
Mp 174°.

1,2:5,6-Di-O-cyclohexylidene: [40773-57-7]. *1,2:5,6-Di-O-cyclohexylidene*-myo-*inositol*.
$C_{18}H_{30}O_6$ M 342.431
Mp 133°, 153-156°. $[\alpha]_D^{20}$ −7.4° (c, 0.5 in C_6H_6).

1,4,5,6-Tetra-Ac: 1,2,5,6-Tetra-O-acetyl-myo-*inositol*.
$C_{14}H_{20}O_{10}$ M 348.306
Mp 100°.

1,2,3,4,6-Penta-Ac:
$C_{16}H_{22}O_{11}$ M 390.343
Mp 178°.

Hexa-Ac: [1254-38-2].
$C_{18}H_{24}O_{12}$ M 432.380
Mp 216-217°.

Hexabenzoyl: 1,2,3,4,5,6-Hexa-O-benzoyl-myo-*inositol*.
$C_{48}H_{36}O_{12}$ M 804.805
Mp 258°.

Hexa(3-pyridinecarboxyl): [6556-11-2]. ***Inositol nicotinate, BAN, INN***. *Inositol niacinate, USAN*. *Hexanicotinoylinositol*. *Hexopal*. *Mesonex*. *Lipoflavonoid*. *Numerous proprietary names*.
$C_{42}H_{30}N_6O_{12}$ M 810.732
Peripheral vasodilator, antilipidaemic agent. Mp 254-255°.

▷NM7535400.

1-Phosphate: [573-35-3].
$C_6H_{11}O_9P$ M 258.121

Wheat bran phytase hydrol. prod. of sodium phytate. Mp 195-197° dec.

1-Phosphate, biscyclohexylammonium salt: Mp 202-204°. $[\alpha]_D^{20}$ +3.4° (c, 1.0 in H_2O).

1,4-Diphosphate:

$C_6H_{10}O_{12}P_2$ M 336.085

Mp 206-207° (as bis(cyclohexylammonium) salt).

Hexaphosphate: [83-86-3]. ***Phytic acid***. *Fytic acid, INN. Alkalovert.*

$C_6H_{18}O_{24}P_6$ M 660.036

Complexing agent for the removal of traces of heavy metals; therapeutic hypocalcaemic agent, freq. employed as nona-Na salt (Sodium phytate, USAN). Straw-coloured syrup.

▷NM7525000.

1,4-Di-Me: [22006-88-8]. *D-(−)-Liriodendritol.*

$C_8H_{16}O_6$ M 208.211

Occurs in *Liriodendron tulipifera* and chinense (Magnoliaceae). Mp 224-225°. $[\alpha]_D^{20}$ −25° (H_2O).

1,4-Di-Me, tetra-Ac:

$C_{16}H_{24}O_{10}$ M 376.360

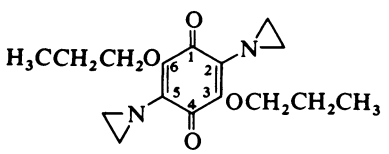
Mp 139°. $[\alpha]_D$ −24° ($CHCl_3$).

Badgett, C.O. *et al, J. Am. Chem. Soc.*, 1947, **69**, 2907 (*nicotinate*)
Biochem. Prep., 1952, **2**, 65.
Angyal, S.J. *et al, Adv. Carbohydr. Chem.*, 1959, **14**, 135 (*rev*)
Angyal, S.J. *et al, J. Chem. Soc.*, 1961, 4116, 4122, 4718.
Shvets, V.I. *et al, Tetrahedron*, 1973, **29**, 331.
Isbrandt, L.R. *et al, J. Am. Chem. Soc.*, 1980, **102**, 3144.
Wells, W.W., *Kirk-Othmer. Encycl. Chem. Technol., 3rd Ed.*, 1983, **24**, 50 (*rev*)
Bleasdale, J.E. *et al*, Eds., *Inositol and Phosphoinositides: Metabolism and Regulation*, Humane Press, Clifton, N.J., 1985 (*book*)
Holub, B.J., *Annu. Rev. Nutr.*, 1986, **6**, 563 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 540, 588, 8197 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1056, 7877, 9243.

Inproquone, BAN, INN I-00075

2,5-Bis(1-aziridinyl)-3,6-dipropoxy-2,5-cyclohexadiene-1,4-dione, 9CI. 2,5-Bis(1-aziridinyl)-3,6-dipropoxy-p-benzoquinone, 8CI. Bayer E 39. E 39. NSC 17261. RP 6870

[436-40-8]



$C_{16}H_{22}N_2O_4$ M 306.361

Antineoplastic agent. Reddish-brown leaflets. Prac. insol. H_2O. Mp 103.5-104°. Solns. contg. H_2O are unstable.

▷DK3327000.

Gauss, W. *et al, Angew. Chem.*, 1955, **67**, 217; 1957, **69**, 252 (*synth*)
Petersen, S., *Medezin u. Chemie*, 1956, **5**, 163 (*synth*)
Makarova, A.N. *et al, CA*, 1963, **59**, 13907 (*synth, pharmacol*)
Gauss, W. *et al, CA*, 1964, **60**, 2877 (*synth, pharmacol*)
Akhtar, M.H. *et al, Can. J. Chem.*, 1975, **53**, 2891 (*pharmacol*)

Insulin I-00076

[9004-10-8]

$C_{257}H_{387}N_{65}O_{66}S_6$ M 5635.640

Hormone produced and stored in the β-cells of the islets of Langerhans of the pancreas. Mostly bovine and some porcine material used clinically in the treatment of diabetes mellitus. It causes oxidn. of glucose, a lowering of blood sugar level and regulates the formation of sugar from non-carbohydrate sources. Mp 233°. ^{125}I and ^{131}I labelled insulin are used as radioactive agents.

▷NM8894000.

Human insulin, INN, BAN, USAN [11061-68-0]

Huminsulin. H-Insulin. Novolin

Prod. semisynthetically from porcine insulin by enzymatic amino acid replacement or by genetic engineering.

Nicol, D.S.H. *et al, Nature (London)*, 1960, **187**, 483 (*isol*)
Blundell, T.L. *et al, Adv. Protein Chem.*, 1972, **26**, 279 (*rev*)
Butt, W.R., *Hormone Chemistry*, 1975, Wiley, New York, 2nd Ed., Vol. 1 (*rev*)
Geiger, R., *Chem.-Ztg., Chem. App.*, 1976, **100**, 111 (*rev*)
Sieber, P. *et al, Helv. Chim. Acta*, 1977, **60**, 27 (*synth*)
Goeddel, D.V. *et al, Proc. Natl. Acad. Sci. USA*, 1979, **76**, 106 (*cloning*)
Meienhofer, J., *Burger's Medicinal Chemistry*, 1979, (*Wolff, M.E., Ed.*), Wiley-Interscience, New York, 4th Ed., Part II, 813 (*rev*)
Morihara, K. *et al, Nature (London)*, 1979, **280**, 412 (*human insulin*)
Williamson, K.L. *et al, Biochemistry*, 1979, **18**, 5965 (*pmr*)
Blundell, T., *FEBS Lett.*, 1980, **109**, 167 (*rev*)
Duckworth, W.C. *et al, Endocr. Rev.*, 1981, **2**, 210 (*rev, metab*)
Gunning, J. *et al, Peptides (N.Y.)*, 1981, **4**, 55 (*rev, cryst struct*)
Levine, R., *Vitamin Horm. (N.Y.)*, 1982, **39**, 145 (*rev, activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7201.

Insulin argine, INN I-00077

8^A-L-Threonine-10^A-L-isoleucine-30^B-L-threonine-30^Ba-L-arginine-30^Bb-L-argininеinsulin(ox), 9CI

[68859-20-1]

$C_{269}H_{407}N_{73}O_{79}S_6$ M 6119.976

Insulin deriv. used for treating diabetes mellitus.

Ger. Pat., 3 326 473, (*1985*); *CA*, **102**, 209432m (*synth*)

Insulin defalan, INN I-00078

Optisulin

Insulin modified by the removal of terminal phenylalanine gp. from amino-acid chain.

Porcine [11091-62-6]

1^B-De-L-phenylalanine-8^A-L-threonine-10^A-L-isoleucine insulin (pig)

$C_{247}H_{372}N_{64}O_{75}S_6$ M 5630.400

Hypoglycaemic pancreatic hormone.

Bovine [51798-72-2]

1^B-De-L-phenylalanine insulin (ox)

$C_{245}H_{368}N_{64}O_{74}S_6$ M 5586.347

Hypoglycaemic pancreatic hormone.

Ger. Pat., 2 005 658, (*1971*); *CA*, **75**, 152087v (*synth*)
Geiger, R. *et al, Hoppe-Seyler's Z. Physiol. Chem.*, 1973, **354**, 1285, 1521 (*synth, activity*)
Ger. Pat., 2 253 297, (*1974*); *CA*, **81**, 50041g (*synth*)
Caterson, I., *Drugs*, 1979, **17**, 289 (*rev*)

Smith, G.D. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 3028 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7205.

Interferon, BAN I-00079

IF

[9008-11-1]

Human interferon has been classified into three groups; leucocyte, fibroblast and immune interferons. Human leucocyte interferon consists of a family of proteins with similar primary structures. As far as is known, every species is a polypeptide chain of 165 or 166 amino-acid residues. Each interferon group has a different capacity as antiviral, antiproliferative or immunoregulatory agent.

Interferon-α

Leucocyte interferon. ***Interferon Alfa, BAN, INN.*** *IFN-α*

Isol. from leucocytes. Immunomodulating agent; used in treatment of hairy cell leukaemia.

Alfa-2a: [76543-88-9]. *Interferon Alfa-2a USAN. Roferon-A. Ro-228181.*

$C_{860}H_{1353}N_{227}O_{255}S_9$ M 19241.057

Prod. from *Escherischia coli* genetically modified by recombinant DNA technology.

Alfa-2b: [99210-65-8]. *Interferon Alfa-2b, USAN. Alferon. Intron-A. Sch 30500.*

$C_{860}H_{1353}N_{229}O_{255}S_9$ M 19269.070

Alfa-2C: Berofor alpha 2.

Alfa-n1: Interferon Alfa-n1 USAN. Wellferon. Prod. from cultured lymphoblasts.

Alfa-n2: Exovir HZ. Prod. from human blood leucocytes.

Alfa-n3: Interferon Alfa-n3, USAN. Mixt. of natural interferon and proteins.

Interferon-β

Fiblaferon. IFN-β1. Fibroblast interferon. ***Interferon Beta, BAN, INN***

Isol. from fibroblasts. Immunomodulating agent; used in treatment of keratitis and hepatitis B.

Interferon-γ

IFN-γ. MAF. Immune interferon. ***Interferon Gamma, BAN, INN***

Isol. from lymphocytes. Immunomodulating agent used to treat arthritis. Antitumour activity.

Gamma-1a: [98059-18-8]. *Immuneron.* Prod. from *E. coli* genetically modified by recombinant DNA technology.

Gamma-2a: [98059-61-1]. *Interferon Gamma-1b, USAN.*

$C_{734}H_{1166}N_{204}O_{216}S_5$ M 16464.823

Isaacs, A. *et al*, *Proc. R. Soc., London, Ser. B*, 1957, **147**, 258.
Rubinstein, M. *et al*, *Proc. Natl. Acad. Sci. USA*, 1979, **76**, 640 (*isol, interferon-α*)
Tan, Y.H. *et al*, *J. Biol. Chem*, 1979, **254**, 8067 (*isol, interferon-β*)
Derynck, R. *et al*, *Nature* (*London*), 1980, **285**, 542 (*cloning, interferon-β*)
Interferon: Properties and Clinical Uses, (*Khan, A. et al*, Eds.), 1980, Leland Pikes Foundation Press, Dallas, Texas
Nagata, S. *et al*, *Nature* (*London*), 1980, **284**, 316 (*cloning, interferon-α*)
The Biology of the Interferon System, (*de Moeyer, E. et al*,Eds.), 1981, Elsevier, North Holland, Amsterdam
Levy, W.P. *et al*, *Proc. Natl. Acad. Sci. USA*, 1981, **78**, 6186 (*struct*)
Pestka, S. *et al*, *Ann. Rep. Med. Chem.*, 1981, **16**, 229 (*rev*)
Wallace, D.M. *et al*, *Biochem. Biophys. Res. Commun.*, 1981, **100**, 865 (*isol, interferon-γ*)
Gray, P.W. *et al*, *Nature* (*London*), 1982, **295**, 503 (*cloning, interferon-γ*)
Pestka, S. *et al*, *UCLA Symp. Mol. Cell. Biol.*, 1982, **25**, 81 (*synth, activity*)
Vilcek, J. *et al*, *Lymphokines* (*N.Y.*), 1985, **11**, 1 (*rev, interferon-γ*)
Pestka, S. *et al*, *Annu. Rev. Biochem.*, 1987, **56**, 727 (*rev, interferon-α and -β*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1683.

Interleukin-1 I-00080

Catabolin. Endogenous Pyrogen. Haematopoietin 1. Leucocyte Endogenous Mediator. Lymphocyte Activating Factor. ETAF. IL-1. LAF

Cytokine peptide containing 152 amino acid residues. Isol. from neutrophils. Immunomodulator. Antitumour agent.

Dinarello, C.A., *Rev. Infect. Dis.*, 1984, **6**, 51 (*isol*)
Benjamin, W.R. *et al*, *Annu. Rep. Med. Chem.*, 1985, **20**, 173 (*rev, pharmacol*)
Gery, I. *et al*, *Methods Enzymol.*, 1985, **116**, 456 (*rev, isol, props*)
Billiau, A., *Int. Congr. Ser.-Excerpta Med.*, 1986, **715**, 47 (*rev*)
Krakauer, T., *CRC Crit. Rev. Immunol.*, 1986, **6**, 245 (*rev, purifn*)
Maury, C.P.J., *Acta Med. Scand.*, 1986, **220**, 291 (*rev, props*)
Horohov, D.W. *et al*, *Drugs*, 1987, **33**, 289 (*rev*)
Auron, P.E. *et al*, *Lymphokines*, 1988, **2**, 33 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16853.

Interleukin-2 I-00081

Epidermal Thermocyte Activating Factor. T-cell growth factor. IL-2. TCGF

Cytokine peptide containing 133 amino acid residues. Isol. from T cells. Immunomodulator. Antitumour agent.

N-*Methionyl:* [94218-75-4]. ***Teceleukin, BAN, INN.*** *Interleukin 2 (human clone pTG853 protein moiety reduced), 9CI. Broleukin. BG 8301.* Immunomodulator, antiviral agent.

Mier, J.W. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1980, **77**, 6134 (*isol*)
Lahm, H.W. *et al*, *J. Chromatogr.*, 1985, **326**, 357 (*Teceleukin*)
Mertelsmann, R. *et al*, *Immunobiology* (*Stuttgart*), 1986, **172**, 400 (*rev*)
Fujishima, A. *et al*, *J. Mol. Biol.*, 1987, **197**, 373 (*cryst struct*)
Horohov, D.W. *et al*, *Drugs*, 1987, **33**, 289 (*rev, pharmacol*)
Rosenberg, S.A., *Immunology Today*, 1988, **9**, 58 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16854.

Interleukin-3 I-00082

Mast cell growth factor. Multipotential colony-stimulating factor. Haemopoietin 3. BPA. IL-3. MCGF. Multi-CSF

Cytokine peptide containing 133 amino acid residues. Immunomodulator. Used in treatment of leukaemia.

Ihle, J.N. *et al*, *Methods Enzymol.*, 1985, **116**, 540 (*rev, isol, purifn*)
Schrader, J.W. *et al*, *Annu. Rev. Immunol.*, 1986, **4**, 205 (*rev*)
Clark-Lewis, I. *et al*, *Lymphokines*, 1988, **15**, 1 (*revs*)

Interleukin-4 I-00083

B-cell growth factor 1. B-cell stimulating factor 1. BSF-1. BCGF-1. IL-4

Cytokine peptide containing 129 amino acid residues. Immunomodulator. Used to treat leukaemia.

Yokota, T. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1986, **83**, 5894 (*cloning*)
Paul, W.E. *et al*, *Annu. Rev. Immunol.*, 1987, **5**, 429 (*rev*)
Moeller, G., Ed., *Immunol. Rev.*, 1988, **102** (*book*)

Interleukin-5 **I-00084**

B-cell growth factor 2. BCGF-II. IL-5. TRF

Cytokine peptide containing 112 amino acid residues. Immunomodulator. Hormone used in treatment of autoimmune diseases.

Azuma, C. *et al*, *Nucleic Acids Res.*, 1986, **14**, 9149 (*cloning*)
Moeller, G., Ed., *Immunol. Rev.*, 1988, **102** (*book*)

Interleukin-6 **I-00085**

B-cell differentiation factor 2. B-cell stimulatory factor 2. Interferon β2. BSF2. IFN-β2. IL-6

Cytokine peptide containing 184 amino acid residues. Isol. from T cells. Immunomodulating agent. Used in treatment of leukaemia.

Hirano, T. *et al*, *Proc. Natl. Acad. Sci. USA*, 1985, **82**, 5490 (*isol*)
Sehgal, P.B. *et al*, *Science*, 1987, **235**, 731 (*rev*)
Hirano, T. *et al*, *Med. Immunol.*, 1988, **15**, 195 (*rev*)
Kishimoto, T. *et al*, *Annu. Rev. Immunol.*, 1988, **6**, 485 (*rev*)

Intermedin, INN **I-00086**

Melanotropin, 9CI. Melanocyte-stimulating hormone

[9002-79-3]

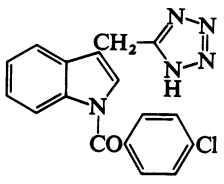
Consists of α- and β-forms. Active principle from pituitary gland (*pars* intermedia). Causes dispersal of melanin granules in the skin.

Medzihradszky, K., *Recent Dev. Chem. Nat. Carbon Compd.*, 1976, **7**, 117 (*rev, synth*)
Thody, A.J., *Adv. Drug Res.*, 1977, **11**, 23 (*rev, pharmacol, met*)
Li, C.H., *Horm. Proteins Pept.*, 1978, **5**, 1 (*rev, chem*)
Nikiforovich, G.V. *et al*, *FEBS Lett.*, 1981, **126**, 180 (*conformn*)
Reith, M.E. *et al*, *Pharmacol. Ther.*, 1981, **12**, 449 (*rev, metab*)
Hammond, G.L. *et al*, *Int. J. Pept. Protein Res.*, 1983, **22**, 161 (*isoln*)
Kullmann, W., *J. Protein Chem.*, 1983, **2**, 289 (*synth*)
Hruby, V.J. *et al*, *Pept. Protein Res.*, 1984, **3**, 1 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5936.

Intrazole, USAN, INN **I-00087**

1-(4-Chlorobenzoyl)-3-(1H-tetrazol-5-ylmethyl)-1H-indole, 9CI. BL R743

[15992-13-9]



$C_{17}H_{12}ClN_5O$ M 337.768

Antinflammatory drug. Mp 233-234°.

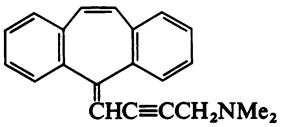
▷NL6019500.

Fleming, J.S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **178**, 423 (*pharmacol*)
Juby, P.F. *et al*, *J. Med. Chem.*, 1969, **12**, 396 (*synth, pharmacol*)

Intriptyline, INN **I-00088**

4-(5H-Dibenzo[a,d]cyclohepten-5-ylidene)-N,N-dimethyl-2-butyn-1-amine, 9CI

[27466-27-9]



$C_{21}H_{19}N$ M 285.388

Antidepressant.

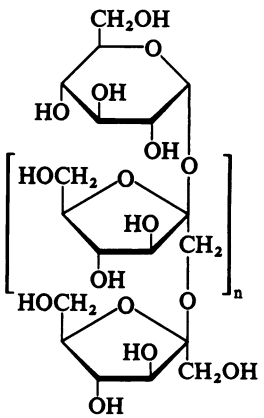
B,HCl: [27466-29-1]. *Intriptyline hydrochloride, USAN. AY 22124.* Mp 210°.

Fr. Pat., 2 005 201, (*1969*); *CA*, **73**, 14577n (*synth, pharmacol*)

Inulin, 9CI, 8CI **I-00089**

Dahlin. Plant starch

[9005-80-5]



M ca. 5000

Contains Inulobiose as a repeating structural unit. Yields D-Fructose and D-Glucose on acid hydrol. Present in *Helianthus tuberosus* (artichoke) and in other members of Compositae. Replaces starch as a reserve food in Compositae. Diagnostic aid for kidney function. $[\alpha]_D^{20}$ −40° (c, 2.0 in H_2O).

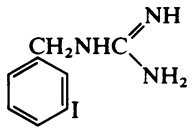
'Per-Ac': [59818-02-9]. $[\alpha]_D^{20}$ −34° (c, 1.6 in $CHCl_3$).
'Per-Me': Mp 140°. $[\alpha]_D^{20}$ −55° (c, 1.0 in $CHCl_3$).

Haworth, W.N. *et al*, *J. Chem. Soc.*, 1932, 2384.
McDonald, E.J., *Adv. Carbohydr. Chem.*, 1946, **2**, 254 (*isol*)
Bacon, J.S.D. *et al*, *Biochem. J.*, 1951, **48**, 114.
Percival, E.G.V., *Structural Carbohydr. Chem.*, 2nd Ed., 1962, 274 (*struct*)
Aspinall, G.O. *et al*, *Methods Carbohydr. Chem.*, 1965, **5**, 157 (*synth*)
Ovodov, Yu.S. *et al*, *Dokl. Akad. Nauk SSSR*, 1968, **178**, 1338; *CA*, **69**, 44141a (*pmr*)
Kennedy, J.F. *et al*, *Carbohydr. Res.*, 1973, **26**, 401.
Hultman, E., *Clin. Biochem. Princ. Methods*, (*Curtius, H. et al*, Ed.), Berlin, 1974, **2**, 908; *CA*, **82**, 13173b (*rev*)
Newkome, G.R. *et al*, *Carbohydr. Res.*, 1976, **48**, 1.
Marchessault, R.H. *et al*, *Can. J. Chem.*, 1980, **58**, 2415 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2137.

Iobenguane, INN **I-00090**

[(*3-Iodophenyl*)*methyl*]*guanidine.* m-*Iodobenzylguanidine*

[80663-95-2]



$C_8H_{10}IN_3$ M 275.092

^{123}I, ^{125}I and ^{131}I labelled compds. used as diagnostic agents.

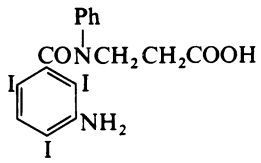
Sulfate: [87862-25-7]. Cryst. (H_2O). Mp 164-165°.

Nakajo, M. *et al*, *J. Nucl. Med.*, 1983, **24**, 672; 1986, **27**, 84 (*metab*)
Chambon, C. *et al*, *J. Biophys. Med. Nucl.*, 1984, **8**, 198 (*pharmacol*)
Wieland, D.M. *et al*, *J. Med. Chem.*, 1984, **27**, 149 (*synth, salt*)
McEwan, A.J. *et al*, *Appl. Radiat. Isot.*, 1986, **37**, 765 (*rev, synth, metab, use*)
Ertl, S. *et al*, *Nucl. Med. Commun.*, 1987, **8**, 643 (*pharmacol*)

Iobenzamic acid, BAN, USAN, INN **I-00091**

N-(*3-Amino-2,4,6-triiodobenzoyl*)-N-*phenyl-β-alanine*, *9CI, 8CI. Bilibyk. Kinetrast. Orbil. Osbil. Osbiland. Razebil. Tracebil. ST 5066. U 12031*

[3115-05-7]



$C_{16}H_{13}I_3N_2O_3$ M 662.004

Radiopaque medium used in contrast radiology. White or pale-yellow powder. Sol. dioxan, DMF. Mp 133-134.5°.

▷AY3170000.

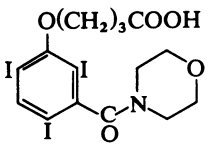
Me ester: Mp 156-157°.

B.P., 870 321, (*1961*); *CA*, **55**, 24683 (*synth, pharmacol*)
Lindner, I. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 384 (*use*)
Heide, M., *Med. Klin.*, 1965, **60**, 996 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1559.

Iobutoic acid, INN **I-00092**

4-[2,4,6-Triiodo-3-(morpholinocarbonyl)phenoxy]-butyric acid, 8CI. Vesibilix

[13445-12-0]



$C_{15}H_{16}I_3NO_5$ M 671.009

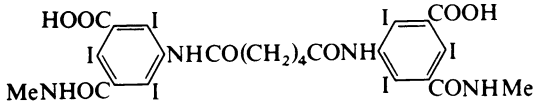
Diagnostic aid (radioopaque medium). Mp 180°.

Tilly, G., *Chim. Ther.*, 1967, **2**, 57 (*synth, tox, pharmacol*)

Iocarmic acid, BAN, USAN, INN, JAN **I-00093**

3,3'-[(1,6-Dioxo-1,6-hexanediyl)diimino]bis-2,4,6-triiodo-5-[(methylamino)carbonyl]benzoic acid, 9CI. 5,5-(Adipoyldiimino)bis[2,4,6-triiodo-N-methylisophthalamic acid], 8CI. Myelotrast

[10397-75-8]



$C_{24}H_{20}I_6N_4O_8$ M 1253.871

Radioopaque medium (diagnostic aid). Cryst. (DMF). Mp 302° dec.

▷NT1999400.

N-*Methylglucamine salt* (*1:2*): [54605-45-7]. *Iocarmate meglumine, USAN. Dimeray. Dimerex. Dirax. LM 280.*

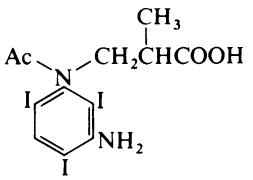
▷LZ4365000.

Hoey, G.B. *et al*, *J. Med. Chem.*, 1966, **9**, 964 (*synth, pharmacol*)
Ger. Pat., 2 317 535, (*1974*); *CA*, **81**, 91212g (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1522, 1560.

Iocetamic acid, BAN, USAN, INN, JAN **I-00094**

3-[Acetyl(3-amino-2,4,6-triiodophenyl)amino]-2-methylpropanoic acid, 9CI. N-*Acetyl*-N-(*3-amino-2,4,6-triiodophenyl*)-*2-methyl-β-alanine, 8CI. Chlolebrine. Cholimil. Colebrine. DRC 1201. MP 620. TD 73*

[16034-77-8]



$C_{12}H_{13}I_3N_2O_3$ M 613.960

▷UE6050000.

(±)-***form***

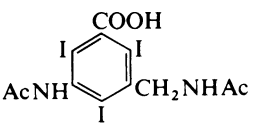
Radioopaque medium. Light cream-coloured powder. Sol. Et_2O, EtOH, C_6H_6, insol. H_2O. Mp 224-225°.

Korver, J.A., *Recl. Trav. Chim. Pays-Bas*, 1968, **87**, 308 (*synth*)
Janbroers, J.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1969, **14**, 232 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1561.

Iodamide, BAN, USAN, INN, JAN **I-00095**

3-(Acetylamino)-5-[(acetylamino)methyl]-2,4,6-triiodobenzoic acid, 9CI. α,5-Diacetamido-2,4,6-triiodo-m-toluic acid, 8CI. Ametriodinic acid. Isteropac E.R.. Opacist. Opacister. B 4130. SH 926

[440-58-4]



$C_{12}H_{11}I_3N_2O_4$ M 627.943

Radioopaque medium, freq. used as Na salt. Cryst. (AcOH). Sol. H_2O. Mp 255-257°.

▷DG0895000.

N-*Methylglucamine salt* (*1:1*): [18656-21-8]. *Iodamide meglumine, USAN. Conraxin. Isteropac. Radiomiro. Rayomiro. Renovue. Triomiro. Urombrine. Uromiro. Uromiron.*

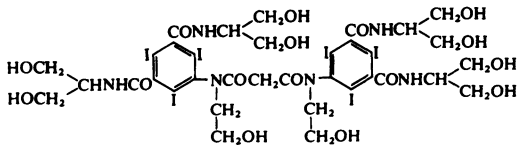
▷LZ4340000.

Bonati, F. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 222.
Felder, E. *et al*, *Helv. Chim. Acta*, 1965, **48**, 259 (*synth, pharmacol*)
Grothuesmann, H.G., *Arzneim.-Forsch.*, 1965, **15**, 233.
Zsebök, Z. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1380 (*pharmacol, tox*)
Pitre, D., *Anal. Profiles Drug Subst.*, 1986, **15**, 337 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1523, 1524, 1562.

Iodecol I-00096

5,5'-[(1,3-Dioxo-1,3-propanediyl)bis[(2-hydroxyethyl)-imino]]bis[N,N'-bis[2-hydroxy-1-(hydroxymethyl)-ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide, 9CI. 5,5'-[Malonylbis[(2-hydroxyethyl)imino]]bis[N,N'-bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodoisophthalamide. ***Iodecimol, INN.*** *ZK 38005*

[81045-33-2]



$C_{35}H_{44}I_6N_6O_{16}$ M 1566.190

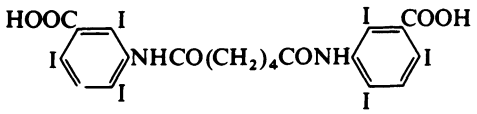
Diagnostic aid (radioopaque medium).

Eur. Pat., 49 745, (*1982*); *CA*, **97**, 144596z (*synth, pharmacol*)

Iodipamide, BAN I-00097

3,3'-[(1,6-Dioxo-1,6-hexanediyl)diimino]bis(2,4,6-triiodobenzoic acid), 9CI. 3,3'-(Adipoyldiimino)bis(2,4,6-triiodobenzoic acid), 8CI. ***Adipiodone, INN.*** *N,N'-Di(3-carboxy-2,4,6-triiodophenyl)adipamide. Cholografin. Bilignost. Other proprietary names*

[606-17-7]



$C_{20}H_{14}I_6N_2O_6$ M 1139.767

Radiopaque medium used in contrast radiology. Insol. $CHCl_3$, Et_2O, H_2O, C_6H_6. Mp 306-308° dec. Dec. on exp. to light. Used as di-Na or di *N*-methylglucamine salts. ^{131}I labelled cpd. used as a radioactive agent.

Cpd. with 1-deoxy-1-(methylamino)-D-glucitol: [3521-84-4]. *Iodipamide meglumine, USAN. Cholografin meglumine.* Component of Sinografin.

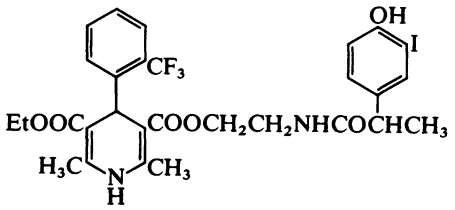
▷LZ4297000.

U.S.P., 2 776 241, (*1957*); *CA*, 5831 (*synth*)
Fischer, E. *et al*, *Acta Physiol.*, 1970, **38**, 135 (*pharmacol*)
Lerner, H.H., *Anal. Profiles Drug Subst.*, 1974, **3**, 333 (*rev, synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5550 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1525, 1526, 1563.

Iodipine I-00098

1,4-Dihydro-2,6-dimethyl-4-[2-(trifluoromethyl)-phenyl]-3,5-pyridinedicarboxylic acid ethyl 2-[[3-(4-hydroxy-3-iodophenyl]-1-oxopropyl]amino]ethyl ester, 9CI

[98647-67-7]



$C_{29}H_{30}F_3IN_2O_6$ M 686.466

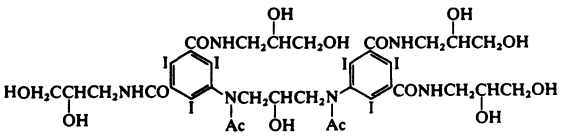
Calcium channel blocker. Used as ^{125}I compd.

Ferry, D.R. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1984, **325**, 186 (*synth, pharmacol*)
Glossmann, H. *et al*, *J. Cardiovasc. Pharmacol.*, 1985, **7**, 520 (*pharmacol*)

Iodixanol, INN I-00099

5,5'-[(2-Hydroxy-1,3-propanediyl)bis(acetylamino)]-bis[N,N'-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, 9CI. 1,3-Bis(acetylamino)-N,N'-bis[3,5-bis(2,3-dihydroxypropylaminocarbonyl)-2,4,6-triiodophenyl]-2-hydroxypropane

[92339-11-2]



$C_{35}H_{44}I_6N_6O_{15}$ M 1550.191

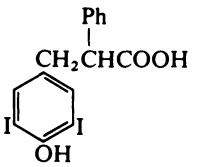
Radiopaque medium. Mp 240-250°.

Eur. Pat., 108 638, (*1984*); *CA*, **101**, 151599 (*synth, props*)
Dawson, P. *et al*, *Br. J. Radiol.*, 1986, **59**, 987 (*pharmacol*)

Iodoalphionic acid, INN I-00100

4-Hydroxy-3,5-diiodo-α-phenylbenzenepropanoic acid, 9CI. 3-(4-Hydroxy-3,5-diiodophenyl)-2-phenylpropionic acid, 8CI. Ioalphionic acid. Priddax. Pheniodol. Dikol. Iodobil. Tenicid. Bilisectan. Numerous proprietary names

[577-91-3]



$C_{15}H_{12}I_2O_3$ M 494.067

▷MW5150000.

(±)-form

Diagnostic aid (radioopaque medium), anthelmintic agent.

Mono-Na salt: [7009-60-1]. *Pheniodol sodium, INN.*
Di-Na salt: Mp >230°. $[\alpha]_D^{26}$ +56.6° (c, 1.5 in H_2O).

Hoppe, J.O., *J. Am. Pharm. Assoc.*, 1959, **48**, 368 (*pharmacol*)
Yagupol'skii, L.M. *et al*, *Ukr. Khim. Zh.*, 1960, **26**, 233 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1966, **21**, 460 (*uv*)
Hoevel-Kestermann, H. *et al*, *Pharm. Acta Helv.*, 1972, **47**, 394 (*tlc*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3441 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1580.

(2-Iodobenzoyl)aminoacetic acid I-00101

N-(*2-Iodobenzoyl*)*glycine*, *9CI*. *o-Iodohippuric acid*

[147-58-0]



$C_9H_8INO_3$ M 305.072

Radiopaque medium. Needles (H_2O). Mp 170°. ^{123}I, ^{125}I and ^{127}I labelled cpds. are used as radioactive agents.

Na salt: [133-17-5]. *Iodohippurate sodium, USAN. Hippodin. Hippuran. Iodairal. Medopaque. Orthoiodin. Renumbral. Urocontrast.* Cryst. + $2H_2O$.

▷MR8162000.

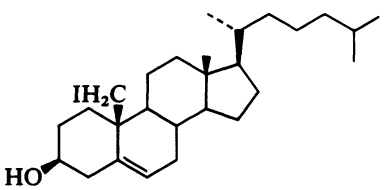
Me ester: [69238-60-4].
$C_{10}H_{10}INO_3$ M 319.098
Cryst. (EtOAc/hexane). Mp 100-102°.

Novello, N.J. *et al*, *J. Biol. Chem*, 1926, **67**, 555 (*synth*)
U.S.P., 2 135 474, (*1938*)
Sinn, H. *et al*, *Int. J. Appl. Radiat. Isot.*, 1977, **28**, 809 (*synth*)
Balthazor, T.M. *et al*, *J. Org. Chem.*, 1979, **44**, 1447 (*ester*)
Dougan, H. *et al*, *Appl. Radiat. Isot.*, 1986, **37**, 915 (*synth*)

19-Iodocholest-5-en-3-ol, 9CI I-00102

19-Iodocholesterol

[37414-03-2]



$C_{27}H_{45}IO$ M 512.556

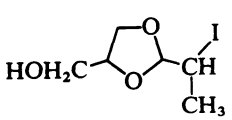
^{131}I cpd. used as a radiodiagnostic aid in adrenal dysfunction (Iodocholesterol I 131, USAN).

Counsell, R.E. *et al*, *Steroids*, 1970, **16**, 317 (*synth, use*)
Couch, M.W. *et al*, *Steroids*, 1976, **27**, 451 (*synth*)
Bieirwaltes, W.H., *Ther. Nucl. Med.* (*Symp.*), 1977, 155 (*rev*)
Scott, K.N. *et al*, *J. Nucl. Med.*, 1977, **18**, 492 (*synth*)
Scott, K.N. *et al*, *Can. J. Chem.*, 1979, **57**, 27 (*pmr, cmr*)
Owoyale, J.A. *et al*, *Steroids*, 1981, **37**, 133.

2-(1-Iodoethyl)-1,3-dioxolane-4-methanol, 9CI I-00103

Iodinated glycerol, USAN. *Fluazide. Mucorama rectal infantil. Organidin. IPG*

[5634-39-9]



$C_6H_{11}IO_3$ M 258.056

Expectorant. Bronchosecretolytic. Pale-yellow liq. Component of Theo-organidin.

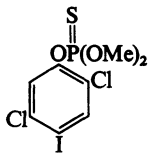
▷JI1800000.

U.S.P., 2 872 378, (*1959*); *CA*, **53**, 8551 (*synth*)
Ger. Pat., 2 418 085, (*1975*); *CA*, **82**, 156260 (*synth, props*)
Barrigon, S. *et al*, *Rev. Farmacol. Clin. Exp.*, 1986, **3**, 73 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4576.

Iodofenphos, BAN, BSI I-00104

O-(*2,5-Dichloro-4-iodophenyl*) O,O-*dimethyl phosphorothioate*, *9CI*. *Nuvanol* N

[18181-70-9]



$C_8H_8Cl_2IO_3PS$ M 412.994

Stored product and public health insecticide. Cryst. Mp 76°.

▷Mod. toxic orally; potential skin irritant. TF0175000.

B.P., 1 057 609, (*1964*); *CA*, **65**, 13761h
Baughman, R.G. *et al*, *J. Agric. Food Chem.*, 1982, **30**, 293 (*cryst struct*)
Fogy, I. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **48**, 319.
Agrochemical Handbook, Royal Society of Chemistry, London, 1983, A239.
Pesticide Manual, 6th Ed., 304; 7th Ed., 319.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3863.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 745.

16-Iodohexadecanoic acid I-00105

Iodocetilic acid, INN. *RA-C-384*

[2536-36-9]

$ICH_2(CH_2)_{14}COOH$

$C_{16}H_{31}IO_2$ M 382.324

Mp 76°. ^{123}I labelled cpd. is used as a diagnostic aid.

Bougault, J., *C. R. Hebd. Seances Acad. Sci.*, 1910, **150**, 876.
Hunsdiecker, H. *et al*, *Chem. Ber.*, 1942, **75**, 291.
Fox, R.B. *et al*, *J. Chem. Eng. Data*, 1963, **8**, 612.
Laufer, P. *et al*, *Eur. J. Nucl. Med.*, 1981, **18**, 1205 (*synth, props*)
Okada, R.D. *et al*, *J. Labelled Compd. Radiopharm.*, 1983, **8**, 211 (*synth*)
Knapp, F.F. *et al*, *J. Med. Chem.*, 1984, **27**, 94 (*synth*)

Iodomethanesulfonic acid, 9CI I-00106

[143-47-5]

ICH_2SO_3H

CH_3IO_3S M 221.997

Free acid little studied and apparently not descr.

Na salt: [126-31-8]. *Methiodal sodium, BAN, INN, USAN. Skiodan sodium. Other proprietary names.* Radioopaque medium (urographic). Cryst. Sol. H_2O, spar. sol. org. solvs.

▷PB2250000.

Bromide: [91586-90-2].
CH_2BrIO_2S M 284.894
Pale-violet liq. $Bp_{0.06}$ 78-80°.

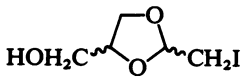
Ger. Pat., 532 766, (*1929*); *CA*, **26**, 480 (*synth*)
Lauer, W.M. *et al*, *J. Am. Chem. Soc.*, 1935, **57**, 2361 (*synth*)
Block, E. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 4568 (*bromide*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 13.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1577.

2-(Iodomethyl)-1,3-dioxolane-4-methanol, 9CI **I-00107**

2-Hydroxymethyl-4-iodomethyl-1,3-dioxolane. ***Domiodol,*** *USAN, INN. Lisomucol. MG 13608*

[61869-07-6]



$C_5H_9IO_3$ M 244.029

Mucolytic agent. n_D^{20} 1.547.

▷JI1250000.

cis-form [61508-55-2]

$Bp_{0.2}$ 106-108°.

trans-form [61508-57-4]

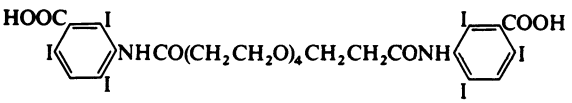
$Bp_{0.2}$ 114-116°.

Cantarelli, G. *et al, Farmaco, Ed. Prat.*, 1979, **34**, 393 (*synth, pharmacol*)
De Angelis, L., *Drugs of Today*, 1980, **16**, 154 (*rev, pharmacol*)
Riva, M. *et al, Arzneim.-Forsch.*, 1983, **33**, 1091 (*pharmacol, isom*)

Iodoxamic acid, BAN, USAN, INN, JAN **I-00108**

3,3'-[(1,16-Dioxo-4,7,10,13-tetraoxahexadecane-1,16-diyl)diimino]bis[2,4,6-triiodobenzoic acid], 9CI. *3,3'-[Ethylenebis(oxyethyleneoxyethylenecarbonylimino)]-bis[2,4,6-triiodobenzoic acid],* 8CI. *Cholegrafin. Choloview. Cholovue. Endobil. Endomirabil. Videocolangio. SQ 21982*

[31127-82-9]



$C_{26}H_{26}I_6N_2O_{10}$ M 1287.926

Radioopaque medium. Mp 125°. Also used as *N*-methylglucamine salt (Iodoxamate meglumine, USAN).

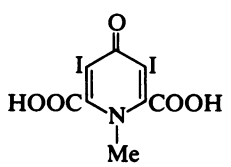
▷DH0191000.

Felder, E. *et al, Farmaco, Ed. Sci.*, 1973, **28**, 912, 925 (*synth, uv, ir, pmr*)
Rosati, G. *et al, Farmaco, Ed. Sci.*, 1973, **28**, 996 (*pharmacol*)
Pitre, D. *et al, Farmaco, Ed. Sci.*, 1974, **29**, 793 (*metab*)
Pitre, D. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 1037 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1527, 1567.

Iodoxyl **I-00109**

1,4-Dihydro-3,5-diiodo-1-methyl-4-oxo-2,6-pyridinedicarboxylic acid, 9CI. *Lumoxyd. Neo-Iopax. Opaxil. Ultraren. Uropac. Iodomethamate. Other synonyms*

[1951-53-7]



$C_8H_5I_2NO_5$ M 448.940

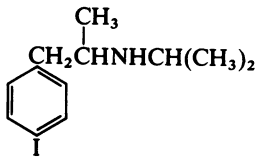
Used as disodium salt. Diagnostic aid (radiopaque medium; urographic, pylographic). Cryst. (H_2O). Mp 174° dec.

Ger. Pat., 545 916, (*1930*); *CA*, **26**, 3520[4] (*synth*)
Hackman, R.H. *et al, J. Soc. Chem. Ind.*, 1946, **65**, 204 (*synth*)
Eldridge, F.L. *et al, New Engl. J. Med.*, 1955, **252**, 259 (*pharmacol*)
Hoppe, J.O., *J. Am. Pharm. Assoc.*, 1959, **48**, 368 (*activity*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 812.

Iofetamine, USAN **I-00110**

*4-Iodo-α-methyl-*N*-(1-methylethyl)benzeneethanamine,* 9CI. *N-Isopropyl-*p*-iodoamphetamine. Perfusamine. M 123-I 123*

[95896-48-3]



$C_{12}H_{18}IN$ M 303.185

(±)-*form* [82691-33-6]

Diagnostic aid. $Bp_{0.05}$ 91-92°. ^{123}I and ^{131}I labelled cpds. are used as radioactive agents.

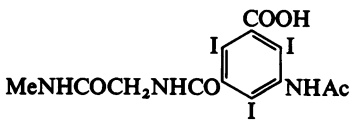
B,HCl: [82691-32-5]. *Iofetamine hydrochloride, USAN.* Cryst. Mp 156-158°.

Carlsen, L. *et al, Eur. J. Nucl. Med.*, 1982, **7**, 280 (*synth*)
Holman, B.L. *et al, Invest. Radiol.*, 1982, **17**, 206 (*rev, radioisotope*)
Lyall, D., *Nucl. Med. Commun.*, 1985, **6**, 485 (*synth, radioisotope*)
Cohen, M.B. *et al, Appl. Radiat. Isot.*, 1986, **37**, 749 (*rev, radioisotope*)
Mertens, J. *et al, Eur. J. Nucl. Med.*, 1987, **13**, 380 (*synth, props*)

Ioglicic acid, BAN, INN, USAN **I-00111**

3-(Acetylamino)-2,4,6-triiodo-5-[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]benzoic acid, 9CI. *5-Acetamido-2,4,6-triiodo-*N*-[(methylcarbamoyl)methyl]-isophthalamic acid*

[49755-67-1]



$C_{13}H_{12}I_3N_3O_5$ M 670.968

Diagnostic aid, radioopaque substance. Mp 284-5°.

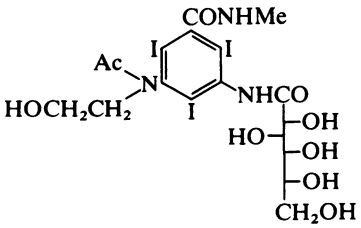
*Cpd. with 1-deoxy-1-(methylamino)-*D*-glucitol:* [76898-59-4]. *Rayvist.* Diagnostic aid, radiopaque medium.

Klieger, E. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1973, **306**, 834 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12855.

Ioglucol, INN **I-00112**

N-[*3*-[*Acetyl*(*2-hydroxyethyl*)*amino*]-*2,4,6-triiodo-5*-[(*methylamino*)*carbonyl*]*phenyl*]-D-*gluconamide*, *9CI. 3'*-[N-(*2-Hydroxyethyl*)*acetamido*]-*2',4',6'-triiodo-5'*-(*methylcarbamoyl*)-D-*gluconanilide. MP-6026*

[63941-73-1]



$C_{18}H_{24}I_3N_3O_9$ M 807.116

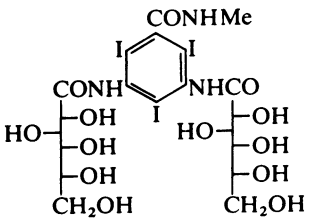
Diagnostic aid (radioopaque medium). Mp 165-174°.

Ger. Pat., 2 643 841, (*1977*); *CA*, **87**, 136300b (*synth, pharmacol*)

Ioglucomide, INN, USAN **I-00113**

N,N'-[*2,4,6-Triiodo-5*-[(*methylamino*)*carbonyl*]-*1,3-phenyl*]*bis*-D-*gluconamide*, *10CI. MP-8000*

[63941-74-2]



$C_{20}H_{28}I_3N_3O_{13}$ M 899.167

Diagnostic aid (radioopaque medium). Mp 144-148°.

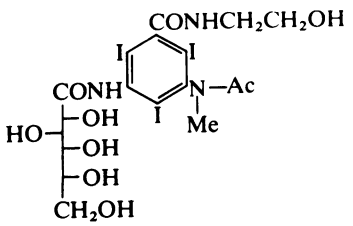
▷LZ5055000.

Ger. Pat., 2 643 841, (*1977*); *CA*, **87**, 136300b (*synth, pharmacol*)

Ioglunide, INN **I-00114**

N-[*3*-(*Acetylmethylamino*)-*5*-[[(*2-hydroxyethyl*)*amino*]*carbonyl*]-*2,4,6-triiodophenyl*]-D-*gluconamide*, *9CI. 3'*-[(*2-Hydroxyethyl*)*carbamoyl*]-*2',4',6'-triiodo-5'*-(N-*methylacetamido*-D-*glucoanilide. P-297*

[56562-79-9]



$C_{18}H_{24}I_3N_3O_9$ M 807.116

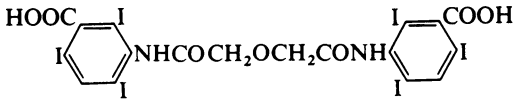
Diagnostic aid (radioopaque medium).

Ger. Pat., 2 456 685, (*1975*); *CA*, **83**, 114021b (*synth, tox, pharmacol*)

Ioglycamic acid, BAN, USAN, INN **I-00115**

3,3'-[*Oxybis*[(*1-oxo-2,1-ethanediyl*)*imino*]]*bis*(*2,4,6-triiodobenzoic acid*), *9CI. 3,3'*-[*Oxybis*(*methylenecarbonylimino*)]*bis*(*2,4,6-triiodobenzoic acid*), *8CI. Ioglycamide. BE 419. SH 419. ZK 2*

[2618-25-9]



$C_{18}H_{10}I_6N_2O_7$ M 1127.713

Radiopaque medium used in contrast radiology. Mp 245° dec. (sinters from 227°).

N-*Methylglucamine salt:* [14317-18-1]. *Biligram. Bilivison.* Dec. at 281°.

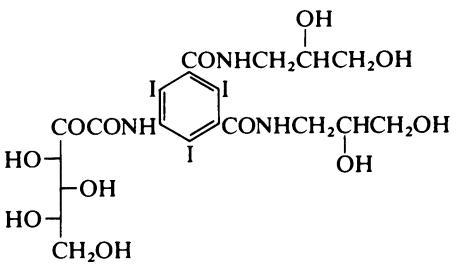
▷LZ4368000.

Priewe, H. *et al*, *Chem. Ber.*, 1954, **87**, 651 (*synth*)
U.S.P., 2 776 241, (*1959*); *CA*, **51**, 5831 (*synth, pharmacol*)
Rosati, G., *Boll. Chim. Farm.*, 1972, **111**, 129 (*pharmacol*)
Muetzel, W. *et al*, *Invest. Radiol.*, 1976, **11**, 598 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1528, 1529, 1569.

Iogulamide, USAN **I-00116**

N,N'-*Bis*(*2,3-dihydroxypropyl*)-*5*-[(L-xylo-*hexulosonyl*)*amino*]-*2,4,6-triodo-1,3-benzenedicarboxamide*, *9CI.* N,N'-*Bis*(*2,3-dihydroxypropyl*)-*5*-L-xylo-*2-hexulosonamido-2,4,6-triiodoisophthalamide. MP 10013*

[75751-89-2]



$C_{20}H_{26}I_3N_3O_{12}$ M 881.152

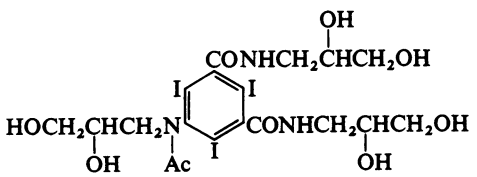
Diagnostic aid (radioopaque medium).

Ger. Pat., 3 010 153, (*1980*); *CA*, **94**, 103783c (*synth, pharmacol, tlc, glc*)

Iohexol, BAN, USAN, INN **I-00117**

5-[*Acetyl*(*2,3-dihydroxypropyl*)*amino*]-N,N'-*bis*(*2,3-dihydroxypropyl*)-*2,4,6-triiodo-1,3-benzenedicarboxamide*, *9CI.* N,N'-*Bis*(*2,3-dihydroxypropyl*)-*5*-[N-(*2,3-dihydroxypropyl*)*acetamido*]-*2,4,6-triiodoisophthalamide. Omnipaque. Exypaque. Win 39424*

[66108-95-0]



$C_{19}H_{26}I_3N_3O_9$ M 821.143

Radioopaque substance, diagnostic aid. Mp 174-180°.

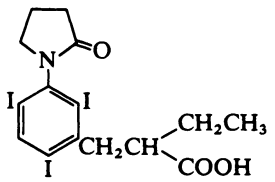
Ger. Pat., 2 726 196, (*1977*); *CA*, **88**, 152269z (*synth*)
Wolf, G.L. *et al*, *Invest. Radiol*, 1981, **16**, 320 (*use*)
Edelson, J. *et al*, *J. Chromatogr.*, 1983, **274**, 428 (*hplc*)
Haavaldsen, J. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 219 (*synth*)

Edelson, J. *et al*, *J. Pharm. Sci.*, 1984, **73**, 993.
Kawada, T.K., *Drug Intell. Clin. Pharm.*, 1985, **19**, 525 (*rev*)
Shaw, D.D. *et al*, *Invest. Radiol*, 1985, **20** (*Suppl.*), 10, 65, 84, 98 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12856.

Iolidonic acid, INN **I-00118**

α-Ethyl-2,4,6-triiodo-3-(2-oxo-1-pyrrolidinyl)-benzenepropanoic acid, 9CI. *α-Ethyl-2,4,6-triiodo-3-(2-oxo-1-pyrrolidinyl)hydrocinnamic acid,* 8CI. *B 8560*

[21766-53-0]



$C_{15}H_{16}I_3NO_3$ M 639.010

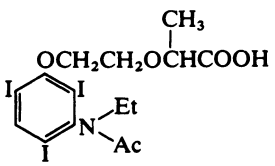
Diagnostic aid (radioopaque medium). Mp 179-181°.

South African Pat., 6 801 614, (*1968*); *CA*, **70**, 87549c (*synth*)
Pitre, D. *et al*, *Chim. Ther.*, 1970, **5**, 185 (*metab*)
Fumagalli, L. *et al*, *Pharmazie*, 1975, **30**, 78 (*synth, pharmacol, tox*)

Iolixanic acid, INN **I-00119**

2-[2-[3-(N-Ethylacetamido)-2,4,6-triiodophenoxy]-ethoxy]propionic acid, 8CI. *B 8890*

[22730-86-5]



$C_{15}H_{18}I_3NO_5$ M 673.024

Diagnostic aid (radioopaque medium). Mp 150-151°.

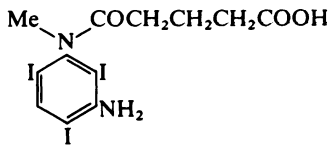
▷UF3349500.

South African Pat., 6 803 090, (*1968*); *CA*, **71**, 21898e (*synth, pharmacol*)

Iomeglamic acid, INN **I-00120**

5-[(3-Amino-2,4,6-triiodophenyl)methylamino]-5-oxopentanoic acid, 9CI. *3'-Amino-2',4',6'-triiodo-N-methylglutaranilic acid,* 8CI. *RG 270. Falignost*

[25827-76-3]



$C_{12}H_{13}I_3N_2O_3$ M 613.960

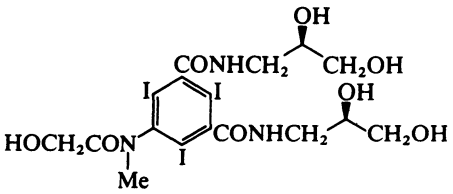
Diagnostic aid (radioopaque medium). Yellow to brown cryst. (AcOH). Mp 169°.

▷SA3678000.

East Ger. Pat., 67 207, (*1969*); *CA*, **72**, 06654j (*synth, pharmacol*)
Cassebaum, H. *et al*, *Pharmazie*, 1972, **27**, 391 (*synth, pharmacol*)
Bornschein, I. *et al*, *Pharmazie*, 1974, **29**, 730 (*metab*)

Iomeprol, INN **I-00121**

N,N'-*Bis(2,3-dihydroxypropyl)-5-[(hydroxyacetyl)-methylamino]-2,4,6-triiodo-1,3-benzenedicarboxamide,* 9CI. *5(N-Methylhydroxyacetylamino)-2,4,6-triiodoisophthalic acid bis-2,3-dihydroxypropylamide*



$C_{17}H_{22}I_3N_3O_8$ M 777.090

(R,R)-form [78649-42-0]

Mp 283-284°. $[\alpha]_D^{20}$ +4.85° (c, 0.13 in H_2O).

(±)-*form* [78649-41-9]

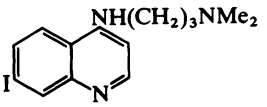
Radiopaque medium (diagnostic aid). Cryst. (EtOH aq.). Mp 300°. Also exists in an amorphous form with lower Mp (191°).

Eur. Pat., 26 281, (*1981*); *CA*, **95**, 97396 (*synth, use*)

Iomethin, USAN **I-00122**

N'-[*7-Iodo-4-quinolinyl*]-N,N-*dimethyl-1,3-propanediamine. 4-[[3-(Dimethylamino)propyl]amino]-7-iodoquinoline.* ***Iometin, INN***

[17127-81-0]



$C_{14}H_{18}IN_3$ M 355.221

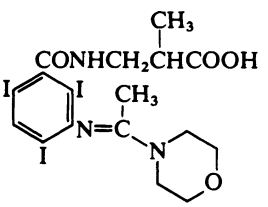
Pale-yellow needles (Me_2CO). Mp 101-102°. ^{125}I and ^{131}I labelled cpds. are used as neoplasm diagnostic aids and radioactive agents.

Counsell, R.E. *et al*, *J. Pharm. Sci.*, 1967, **56**, 1042 (*synth, props*)
Counsell, R.E. *et al*, *J. Med. Chem.*, 1969, **12**, 232 (*synth, props*)
Bakker, C.N.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1979, **16**, 917 (*synth*)
Goulding, R.W. *et al*, *J. Labelled Compd. Radiopharm.*, 1979, **16**, 46 (*synth*)
Eakins, M.N. *et al*, *Int. J. Appl. Radiat. Isot.*, 1980, **31**, 553 (*metab*)
Bubeck, B. *et al*, *Eur. J. Nucl. Med.*, 1981, **6**, 227 (*pharmacol*)

Iomorinic acid, INN **I-00123**

2-Methyl-N-[2,4,6-triiodo-3-[(1-morpholinoethylidene)amino]benzoyl]-β-alanine, 9CI. *Oravesin. ST 5614*

[51934-76-0]



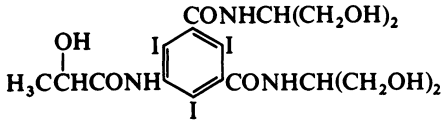
$C_{17}H_{20}I_3N_3O_4$ M 711.076

Diagnostic aid (radioopaque medium).

Ger. Pat., 2 235 935, (*1974*); *CA*, **80**, 108545x (*synth, pharmacol*)

Iopamidol, BAN, INN, USAN **I-00124**

N,N′-Bis[2-hydroxy-1-(hydroxymethyl)ethyl]-5-[(2-hydroxy-1-oxopropyl)amino]-2,4,6-triiodo-1,3-benzenedicarboxamide, 9CI. *Iomapidol. Iopamiro. Isovue. Niopam. Solutrast. B 15000. SQ 13396*



$C_{17}H_{22}I_3N_3O_8$ M 777.090

▷CZ2235000.

(S)-form [60166-93-0]

Radioopaque substance. $[\alpha]_D^{20}$ −2.01° (c, 10 in H_2O). Dec. at ca. 300°. Cryst. with difficulty from aq. soln.

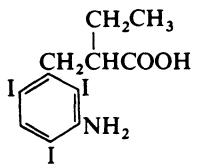
▷CZ2235000.

Ger. Pat., 2 547 789, (*1976*); *CA*, **85**, 94103r (*synth*)
Felder, E. *et al*, *Farmaco, Ed. Sci.*, 1977, **32**, 835 (*pharmacol*)
Pitre, D. *et al*, *Farmaco, Ed. Sci.*, 1980, **35**, 826 (*metab*)
Pitre, D. *et al*, *Invest. Radiol.*, 1980, **15**, S301 (*synth, props*)
Clerici, A. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 257 (*ms*)
Ganazzoli, F. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1570 (*cryst struct*)
Felder, E. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 115 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14037.

Iopanoic acid, BAN, INN **I-00125**

3-Amino-α-ethyl-2,4,6-triiodobenzenepropanoic acid, 9CI. *3-Amino-α-ethyl-2,4,6-triiodohydrocinnamic acid,* 8CI. *α-(3-Amino-2,4,6-triiodobenzyl)butyric acid. Iodopanoic acid. Telepaque. Numerous proprietary names*

[96-83-3]



$C_{11}H_{12}I_3NO_2$ M 570.935

▷MW5075000.

(R)-form [17879-97-9]

Mp 162-163°. $[\alpha]_D$ −5.2° (c, 2 in EtOH).

(±)-*form*

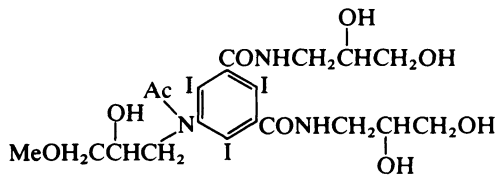
Radiopaque medium used in contrast radiology. Cream-coloured solid. Insol. H_2O, sol. dil. alkali, EtOH. Mp 155-157°.

Lewis, T.R. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3753 (*synth*)
Pitre, D. *et al*, *J. Med. Chem.*, 1968, **11**, 406 (*resoln*)
Pitre, D., *Arch. Pharm.* (*Weinheim, Ger.*), 1984, **317**, 367 (*abs config*)
Pitre, D., *Anal. Profiles Drug Subst.*, 1985, **14**, 181 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1908 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1570.

Iopentol, BAN, INN, USAN **I-00126**

5-[Acetyl(2-hydroxy-3-methoxypropyl)amino]-N,N′-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, 9CI

[89797-00-2]



$C_{20}H_{28}I_3N_3O_9$ M 835.169

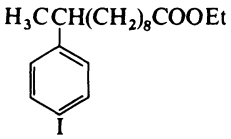
Radiopaque medium (diagnostic aid). Cryst. (2-propanol).

Eur. Pat., 105 752 (*1984*); *CA*, **101**, 72456 (*synth, props*)
Skjoeld, W. *et al*, *J. Chromatogr.*, 1986, **366**, 299 (*hplc*)
Michelet, A.A., *Acta Radiol.*, 1987, **28**, 329 (*props*)

Iophendylate, BAN **I-00127**

Ethyl 4-iodo-ι-methylbenzenedecanoate, 9CI. *Ethyl 10-p-iodophenylundecanoate,* 8CI. ***Iofendylate, INN***. *Ethiodan. Mulsopaque. Myelodil. Myodil. Neurotrust. Pantopaque*

[99-79-6]



$C_{19}H_{29}IO_2$ M 416.341

X-ray contrast medium and diagnostic aid. Viscous liq. Spar. sol. H_2O, sol. EtOH, C_6H_6, $CHCl_3$. d_{20}^{20} 1.240-1.263. Bp_1 196-198°. Slowly darkens in air.

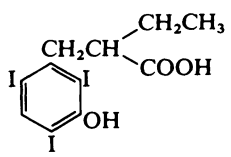
▷YQ2550000.

Strain, W.H. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1436 (*synth*)
Baker, W. *et al*, *J. Chem. Soc. Ind.*, 1944, **63**, 223 (*synth*)
Liewendahl, K. *et al*, *Nucl.-Med., Suppl.*, 1968, 375 (*metab*)
Kostin, V.N. *et al*, *Zh. Prikl. Khim.* (*Leningrad*), 1977, **50**, 2338 (*synth*)
Hansen, E.B. *et al*, *Br. J. Radiol.*, 1978, **51**, 321 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1571.

Iophenoxic acid, INN **I-00128**

α-Ethyl-3-hydroxy-2,4,6-triiodobenzenepropanoic acid, 9CI. *α-Ethyl-3-hydroxy-2,4,6-triiodohydrocinnamic acid,* 8CI. *α-(3-Hydroxy-2,4,6-triiodobenzyl)butyric acid.* ***Iophenoic acid, INN***. *Teridax. Trilombine. Triloshade*

[96-84-4]



$C_{11}H_{11}I_3O_3$ M 571.920

Diagnostic aid (radioopaque medium). Mp 143-144°.

▷MW5280000.

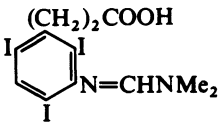
Papa, D. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 1107 (*synth, pharmacol*)
Stahl, E. *et al*, *Z. Anal. Chem.*, 1964, **200**, 377 (*tlc*)
Mudge, G.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1971, **178**, 159 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1572.

Iopodic acid I-00129

3-[[(Dimethylamino)methylene]amino]-2,4,6-triiodobenzenepropanoic acid, 9CI. 3-[[(Dimethylamino)methylene]amino]-2,4,6-triiodohydrocinnamic acid, 8CI. ZK 15

[5587-89-3]



$C_{12}H_{13}I_3N_2O_2$ M 597.960

Radioopaque substance, usually employed as Na salt. Mp 168-169°. pK_a ~5. Dec. at 225°.

▷MW5160000.

Na salt: [1221-56-3]. *Sodium ipodate, BAN. Sodium iopodate, INN. Ipodate sodium, USAN. Bilimin. Bilivist. Biloptin. Oragrafin sodium. NSC 106962. SQ 15761.* Leaflets (Me_2CO aq.). Sol. H_2O, MeOH, insol. EtOH, Me_2CO. Mp 303-304° dec.

▷MW5200000.

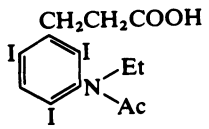
Ca salt: [1151-11-7]. *Ipodate calcium, USAN. Oragrafin calcium. Solu-Biloptin.* Mp 298-302°.

Harwart, A. *et al, Arch. Exp. Pathol. Pharmacol.*, 1959, **237**, 186 (*pharmacol*)
Priewe, H. *et al, Chem. Ber.*, 1960, **93**, 2347 (*synth*)
Cassebaum, H. *et al, Pharmazie*, 1961, **16**, 389 (*synth*)
Kimbel, K.H. *et al, Acta Radiol.*, 1961, **55**, 305 (*pharmacol*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1553.

Ioprocemic acid, INN, USAN I-00130

3-(Acetylethylamino)-2,4,6-triiodobenzenepropanoic acid, 9CI. 3-(N-Ethylacetamido)-2,4,6-triiodohydrocinnamic acid, 8CI. ZK 10720

[1456-52-6]



$C_{13}H_{14}I_3NO_3$ M 612.972

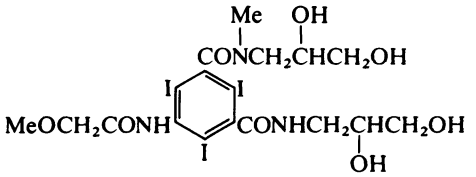
Diagnostic aid (radioopaque medium). Mp 166-170°.

Ger. Pat., 1 180 896, (*1964*); *CA*, **62**, 7694 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12857.

Iopromide, INN I-00131

N,N'-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-5-[(methoxyacetyl)amino]-N-methyl-1,3-benzenedicarboxamide, 10CI. N,N'-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-5-(2-methoxyacetamido)-N-methylisophthalamide. Ultravist. ZK 35760

[73334-07-3]



$C_{18}H_{24}I_3N_3O_8$ M 791.116

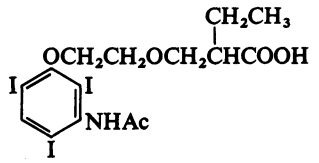
Diagnostic aid (radioopaque medium).

Ger. Pat., 2 909 439, (*1980*); *CA*, **94**, 71491n (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18651.

Ipronic acid, BAN, INN, USAN I-00132

2-[[2-(3-Acetylamino-2,4,6-triiodophenoxy)ethoxy]-methyl]butanoic acid, 9CI. Bilimiro. Bilimiron. Oravue. Videobil

[37723-78-7]



$C_{15}H_{18}I_3NO_5$ M 673.024

▷ES5615000.

(±)-form [41473-08-9]

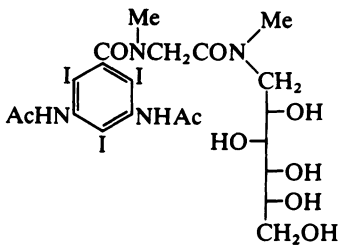
Diagnostic aid, radioopaque substance. Mp 130°. Low toxicity.

Felder, E. *et al, Farmaco, Ed. Sci.*, 1976, **31**, 349 (*synth*)
Tirone, P. *et al, Farmaco, Ed. Sci.*, 1976, **31**, 397, 437 (*tox*)
Pitre, D. *et al, Farmaco, Ed. Prat.*, 1976, **31**, 516, 529, 540 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18652.

Iosarcol, INN I-00133

1-[[[[3,5-Bis(acetylamino)-2,4,6-triiodobenzoyl]-methylamino]acetyl]methylamino]-1-deoxy-D-glucitol, 9CI

[97702-82-4]



$C_{21}H_{29}I_3N_4O_9$ M 862.195

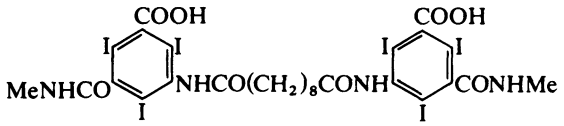
Radiopaque medium.

Ger. Pat., 3 407 473, (*1985*); *CA*, **105**, 60940 (*synth, use*)

Iosefamic acid, INN, USAN **I-00134**

*5,5′-(Sebacoyldiimino)bis[2,4,6-triiodo-*N*-methylisophthalmic acid,* 8CI. *3,3′-[(1,10-Dioxo-1,10-decanediyl)diimino]bis[2,4,6-triiodo-5-[(methylamino)carbonyl]benzoic acid. MP-271*

[5591-33-3]



$C_{28}H_{28}I_6N_4O_8$ M 1309.978

Diagnostic aid (radioopaque medium). Mp 279-279.5°.

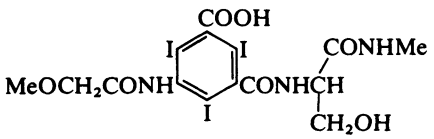
▷NT1998000.

Hoey, G.B. *et al, J. Med. Chem.*, 1966, **9**, 964 (*synth, pharmacol, tox*)

Ioseric acid, INN, USAN **I-00135**

3-[[[1-(Hydroxymethyl)-2-(methylamino)-2-oxoethyl]amino]carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoic acid, 9CI. N-*[2-Hydroxy-1-(methylcarbamoyl)ethyl]-2,4,6-triiodo-5-(2-methoxyacetamido)isophthalamic acid.* N-*(3-Carboxy-5-methoxyacetamido-2,4,6-triodobenzoyl)-serinemethylamide. Myelografin. SH H 239 AB*

[51876-99-4]



$C_{15}H_{16}I_3N_3O_7$ M 731.021

(±)-***form*** [49755-88-6]

Diagnostic aid (radioopaque medium). Mp 267-268° dec.

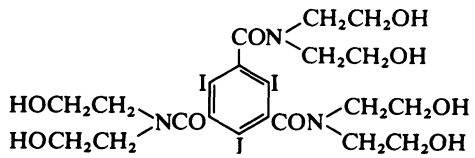
Ger. Pat., 2 207 950, (*1973*); *CA*, **73**, 136847v (*synth, pharmacol*)

Klieger, E. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1973, **306**, 834 (*synth, pharmacol*)

Iosimide, INN **I-00136**

N,N,N′,N′,N″,N‴-*Hexakis(2-hydroxyethyl)-2,4,6-triiodo-1,3,5-benzenetricarboxamide,* 9CI. *2,4,6-Triiodo-1,3,5-benzenetricarboxylic acid tris[bis(2-hydroxyethyl)amide]. ZK 36699*

[79211-10-2]



$C_{21}H_{30}I_3N_3O_9$ M 849.196

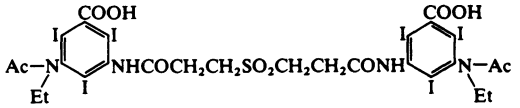
Diagnostic aid (radioopaque medium). Mp 132-135°.

Ger. Pat., 3 001 292, (*1981*); *CA*, **95**, 150216a (*synth, pharmacol*)

Iosulamide, INN **I-00137**

*3,3′-[Sulfonylbis(ethylenecarbonylimino)]bis[5-(*N*-ethylacetamido)-2,4,6-triiodobenzoic acid]*

[23205-04-1]



$C_{28}H_{28}I_6N_4O_{10}S$ M 1374.037

Diagnostic aid (radiopaque medium). Mp 249-254°.

*Cpd. with 1-deoxy-1-(methylamino)-*D*-glucitol (1:1):* [63534-64-5]. *Iosulamide meglumine,* USAN. *Win 31122.*

B.P., 1 164 526, (*1969*); *CA*, **71**, 123989 (*synth*)

Rosenberg, F.J. *et al, Invest. Radiol.*, 1980, **15**, S142 (*pharmacol, tox*)

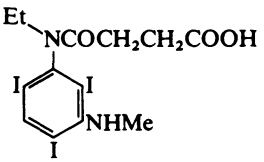
Berk, R.N. *et al, Invest. Radiol.*, 1981, **16**, 240 (*pharmacol*)

Park, G.B. *et al, Drug Metab. Dispos.*, 1981, **9**, 43 (*metab, hplc*)

Iosumetic acid, INN, USAN **I-00138**

4-[Ethyl[2,4,6-triiodo-3-(methylamino)phenyl]amino]-4-oxobutanoic acid, 9CI. N-*Ethyl-2′,4′,6′-triiodo-3′-(methylamino)succinanilic acid*

[37863-70-0]



$C_{13}H_{15}I_3N_2O_3$ M 627.987

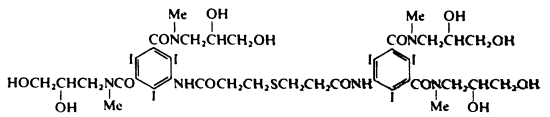
Diagnostic aid (radioopaque medium).

Ger. Pat., 2 050 217, (*1972*); *CA*, **77**, 34150d (*synth, pharmacol*)

Iotasul, INN, USAN **I-00139**

*5,5′-[Thiobis[(1-oxo-3,1-propanediyl)imino]]bis[*N,N′*-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-*N,N*-dimethyl-1,3-benzenedicarboxamide],* 9CI. *ZK 79 112*

[71767-13-0]



$C_{38}H_{50}I_6N_6O_{14}S$ M 1608.332

Diagnostic aid (radioopaque medium). Sol. H_2O. Mp 240-260°.

Siefert, H.M. *et al, Lymphology*, 1980, **13**, 150 (*tox, pharmacol*)

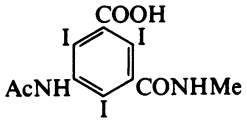
Eur. Pat., 22 056, (*1981*); *CA*, **94**, 208571k (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12858.

Iothalamic acid, BAN, USAN **I-00140**

3-(Acetylamino)-2,4,6-triiodo-5-[(methylamino)-carbonyl]benzoic acid, 9CI. 5-Acetamido-2,4,6-triiodo-N-methylisophthalamic acid, 8CI. ***Iotalamic acid, INN.*** *Methalamic acid. DR 108*

[2276-90-6]



$C_{11}H_9I_3N_2O_4$ M 613.917

Radiopaque medium used in contrast radiology. Mp 285° dec. ^{125}I and ^{131}I labelled cpds. are used as radioactive agents (Glofil).

▷NT1986000.

Na salt: [1225-20-3]. *Sodium iotalamate, JAN. Angio-Conray. Angio-Contrix '48'. Gastro-Conray. Sombril 400. Vascoray.*

▷NT1987000.

N-Methylglucamine salt (1:1): [13087-53-1]. *Meglumine iotalamate, JAN. Conray FL. Contrix '28'. Cysto-Contry. Dip-Conray. Retro-Contray.*

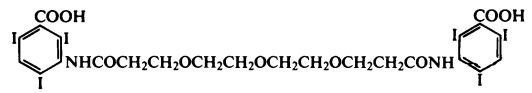
▷NT1981800.

Hoey, G.B. *et al, J. Med. Chem.*, 1963, **6**, 24 (*synth*)
Benness, G.T., *Clin. Radiol.*, 1970, **21**, 150 (*pharmacol*)
Singh, G.B. *et al, Indian Drugs Pharm. Ind.*, 1980, **15**, 35 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1530, 1531, 1575.

Iotranic acid, INN **I-00141**

3,3'-[Oxybis[2,1-ethanediyloxy(1-oxo-3,1-propanediyl)imino]]bis[2,4,6-triiodobenzoic acid], 9CI. 3,3'-[Oxybis(ethyleneoxyethylenecarbonylimino)]-bis[2,4,6-triiodobenzoic acid], 8CI. B 10190

[26887-04-7]



$C_{24}H_{22}I_6N_2O_9$ M 1243.873

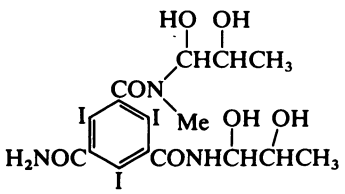
Diagnostic aid (radioopaque medium). Mp 155°.

Rosati, G., *Boll. Chim. Farm.*, 1972, **111**, 129 (*pharmacol*)
Felder, E. *et al, Farmaco, Ed. Sci.*, 1973, **28**, 912 (*synth, pharmacol*)

Iotriside, INN **I-00142**

N,N'-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-N-methyl-1,3,5-benzenetricarboxamide, 9CI

[79211-34-0]



$C_{16}H_{20}I_3N_3O_7$ M 747.063

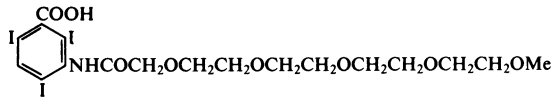
Radiopaque agent. Mp 202°.

Ger. Pat., 3 001 293, (*1981*); *CA*, **96**, 68603 (*synth, props*)

Iotrizoic acid, INN **I-00143**

2,4,6-Triiodo-3-[2-[2-[2-[2-(2-methoxy)ethoxy]-ethoxy]ethoxy]acetamido]benzoic acid, 8CI

[16024-67-2]



$C_{18}H_{24}I_3NO_8$ M 763.103

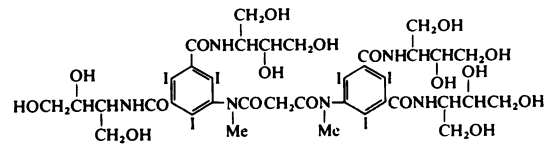
Diagnostic aid (radioopaque medium). Mp 148-150°.

Netherlands Pat., 6 510 111, (*1967*); *CA*, **67**, 91110h (*synth, pharmacol*)

Iotrolan, USAN, INN, BAN **I-00144**

5,5'-[(1,3-Dioxo-1,3-propanediyl)bis(methylimino)-bis[N,N'-bis-2,3-dihydroxy-1-(hydroxymethyl)propyl]-2,4,6-triiodo-1,3-benzenedicarboxamide, 9CI. Iotrol. ZK 39 482

[79770-24-4]



$C_{37}H_{48}I_6N_6O_{18}$ M 1626.243

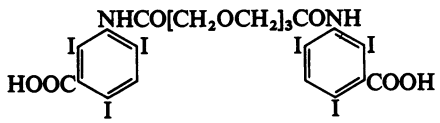
Diagnostic aid (radioopaque medium).

U.S.P., 4 341 756, (*1982*); *CA*, **98**, 4398g (*synth, tox, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3807.

Iotroxic acid, BAN, USAN, INN, JAN **I-00145**

3,3'-[Oxybis[2,1-ethanediyloxy(1-oxo-2,1-ethanediyl)-imino]]bis[2,4,6-triiodobenzoic acid], 9CI. 3,3'-(3,6,9-Trioxaundecanedioyldiimino)bis-2,4,6-triiodobenzoic acid. Iotroxamide. Biliscopin. Chologram

[51022-74-3]



$C_{22}H_{18}I_6N_2O_9$ M 1215.819

Radioopaque substance (diagnostic aid).

▷DH6170000.

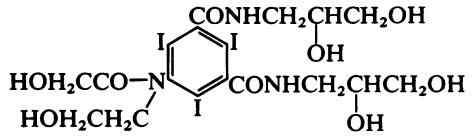
N-Methylglucamine salt (1:2): [68890-05-1]. *Meglumine iotroxinate.*

Ger. Pat., 2 405 652, (*1975*); *CA*, **83**, 192867w (*synth, pharmacol*)
Speck, U. *et al, Arzneim.-Forsch.*, 1978, **28**, 2143, 2290 (*pharmacol*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1979, **15**, 45 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12859, 12860.

Ioversol, INN, BAN, USAN **I-00146**

N,N′-*Bis*(*2,3-dihydroxypropyl*)-*5*-[(*hydroxyacetyl*)(*2-hydroxyethyl*)*amino*]-*2,4,6-triiodo-1,3-benzenedicarboxamide*, *9CI*. *MP 328*

[87771-40-2]



$C_{18}H_{24}I_3N_3O_9$ M 807.116

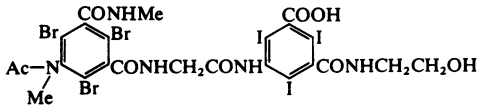
Radiopaque medium, used for coronary arteriography and cerebral angiography. Mp 186-198°.

Eur. Pat., 83 964, (*1983*); *CA*, **99**, 212293 (*synth, props*)

Ioxabrolic acid, INN **I-00147**

3-[[[[*3*-(*Acetylmethylamino*)-*2,4,6-tribromo-5*-[(*methylamino*)*carbonyl*]*benzoyl*]*amino*]*acetyl*]*amino*]-*5*-[[(*2-hydroxyethyl*)*amino*]*carboxyl*]-*2,4,6-triiodobenzoic acid*, *9CI*

[96191-65-0]



$C_{24}H_{21}Br_3I_3N_5O_8$ M 1127.884

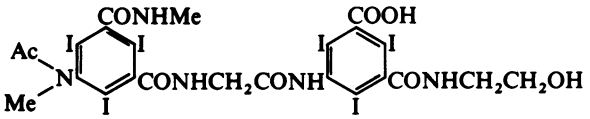
Radiopaque medium.

Eur. Pat., 74 307, (*1983*); *CA*, **99**, 70401

Ioxaglic acid, BAN, INN, USAN **I-00148**

3-[[[[*3*-(*Acetylmethylamino*)-*2,4,6-triiodo-5*-[(*methylamino*)*carbonyl*]*benzoyl*]*amino*]*acetyl*]*amino*]-*5*-[[(*2-hydroxyethyl*)*amino*]*carbonyl*]-*2,4,6-triiodobenzoic acid*, *9CI*

[59017-64-0]



$C_{24}H_{21}I_6N_5O_8$ M 1268.886

Radioopaque substance.

Na salt: [67992-58-9]. *Ioxaglate sodium*, *USAN*. Component of Hexabrix.

1-Deoxy-1-(*methylamino*)-*D-glucitol salt* (*1:1*): [59018-13-2]. *Ioxaglate meglumine*, *USAN*. Component of Hexabrix.

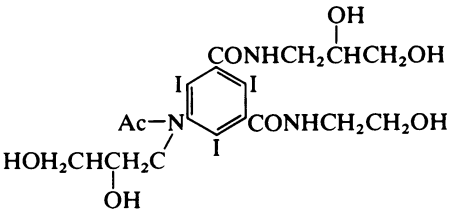
Ger. Pat., 2 523 567, (*1975*); *CA*, **84**, 184889k (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12861, 15337, 15338.

Ioxilan, INN **I-00149**

5-[*Acetyl*(*2,3-dihydroxypropyl*)*amino*]-N-(*2,3-dihydroxypropyl*)-N′-(*2-hydroxyethyl*)-*2,4,6-triiodo-1,3-benzenedicarboxamide*, *9CI*

[107793-72-6]



$C_{18}H_{24}I_3N_3O_8$ M 791.116

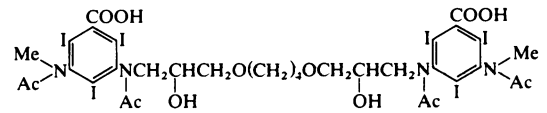
Radiopaque agent. Foam.

Pat. Coop. Treaty (*WIPO*), 87 00 757, (*1987*); *CA*, **108**, 82096w (*synth, pmr*)

Iozomic acid, INN **I-00150**

3,3′-[*1,4-Butanediylbis*[*oxy*(*2-hydroxy-3,1-propanediyl*)(*acetylimino*)]]*bis*[*5*-(*acetylmethylamino*)-*2,4,6-triiodobenzoic acid*], *9CI*. *3,3′-Tetramethylenebis*[*oxy*(*2-hydroxytrimethylene*)*acetylimino*]*bis*[*2,4,6-triiodo-5*-(N-*methylacetamido*)*benzoic acid*], *8CI*. *Bjork. Rayodal. Ph DZ 59 B*

[31598-07-9]



$C_{34}H_{40}I_6N_4O_{12}$ M 1458.137

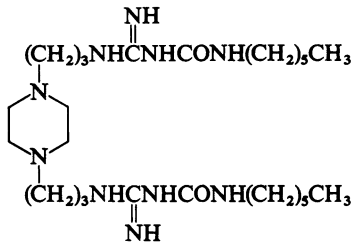
Diagnostic aid (radioopaque medium).

Swedish Pat., 354 853, (*1973*); *CA*, **80**, 26953q (*synth, pharmacol*)

Ipexidine, INN **I-00151**

N,N″-[*1,4-Piperazinediylbis*(*3,1-propanediyliminocarbonimidoyl*)]*bis*[N′-*hexylurea*]. *CK 0569*

[69017-89-6]



$C_{26}H_{54}N_{10}O_2$ M 538.778

Dental caries prophylactic.

B,2MeSO₃H: [69017-90-9]. *Ipexidine mesylate*, *USAN*. Cryst. (2-propanol). Mp 117-120°.

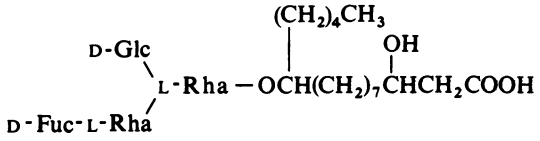
U.S.P., 4 209 624, (*1980*); *CA*, **93**, 238867 (*synth, pharmacol*)

Shern, R.J. *et al*, *Caries Res.*, 1985, **19**, 458 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12862.

Ipolearoside, 9CI **I-00152**

[50867-38-4]



$C_{40}H_{72}O_{21}$ M 888.996

Contains 1 mole of glucose, 2 moles of rhamnose and 1 mole of fucose. Isol. from *Ipomoea leari*. Glycoside with anticancer activity. Mp 184-187°. $[\alpha]_D^{20}$ −50° (c, 1.0 in MeOH).

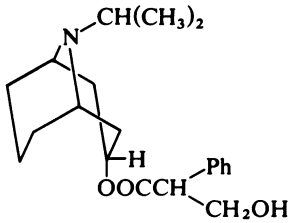
Me ester, undeca-Me: Methyl ipolearoside. Mp 86-88°. $[\alpha]_D^{20}$ −25.3° (c, 1.0 in MeOH).

Sarin, J.P.S *et al*, *Phytochemistry*, 1973, **12**, 2461 (*isol, pmr, ms*)

Ipragratine, INN **I-00153**

9-(1-Methylethyl)-9-azabicyclo[3.3.1]non-3-yl α-(hydroxymethyl)benzeneacetate, 9CI. *9-Isopropylgranatoline tropate,* 8CI. *Kor 12-CL*

[22150-28-3]



$C_{20}H_{29}NO_3$ M 331.454

(±)-form

Spasmolytic and anticholinergic agent. Mp 89-90°.

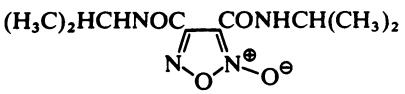
South African Pat., 6 705 252, (*1968*); *CA*, **70**, 88037 (*synth, pharmacol*)

Schulz, W. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 960 (*synth, pharmacol*)

Ipramidil, INN **I-00154**

N,N′-*Bis(1-methylethyl)furazandicarboxamide 2-oxide,* 9CI

[83656-38-6]



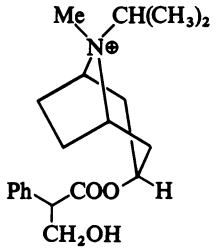
$C_{10}H_{16}N_4O_4$ M 256.261

Coronary vasodilator, antihypertensive agent. Mp 128-131°.

Eur. Pat., 54 872, (*1982*); *CA*, **97**, 216189 (*synth, pharmacol*)

Ipratropium(1+) **I-00155**

3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane(1+), 9CI. *3α-Hydroxy-8-isopropyl-1αH,5αH-tropatrium tropate,* 8CI. *8-Isopropyl-3-tropoyloxytropanium(1+)*



$C_{20}H_{30}NO_3^{\oplus}$ M 332.462 (ion)

Bronchodilator, anticholinergic, spasmolytic agent.

(±)-form

Bromide: [66985-17-9]. *Ipratropium bromide,* BAN, USAN, INN, JAN. *Atrovent. Atem. Itrop. Normosecretol.*

$C_{20}H_{30}BrNO_3$ M 412.366

Monohydrate. Mp 230-232° dec.

South African Pat., 6 707 766, (*1968*); *CA*, **70**, 97033u (*synth, pharmacol*)

Deckers, W., *Postgrad. Med. J.*, 1975, **51** (*suppl. 7*), 76 (*synth, pharmacol*)

Pook, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1975, 1499 (*nmr*)

Bauer, R. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 974 (*pharmacol*)

Sarajana, L. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 985 (*tox*)

Bauer, R. *et al*, *Pharmacol. Biochem. Prop. Drug. Subst.*, 1979, **2**, 489 (*rev*)

Massey, K.L. *et al*, *Drug. Intell. Clin. Pharm.*, 1985, **19**, 5.

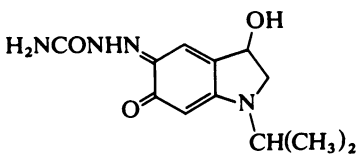
Oates, J.A. *et al*, *New Engl. J. Med.*, 1988, **319**, 486 (*rev, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 386 (*Bromide*)

Iprazochrome, INN **I-00156**

2-[1,2,3,6-Tetrahydro-3-hydroxy-1-(1-methylethyl)-6-oxo-5H-indol-5-ylidene]hydrazinecarboxamide, 9CI. *3-Hydroxy-1-isopropyl-5,6-indolinedione 5-semicarbazone,* 8CI. *N-Isopropylnoradrenochrome monosemicarbazone. Divascan. 1AS. Iprenazone. Migrenon*

[7248-21-7]



$C_{12}H_{16}N_4O_3$ M 264.283

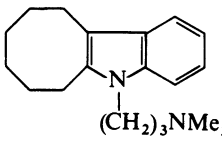
Antiserotonin agent used for treatment of migraine, haemostatic.

Beaudet, C., *Experientia*, 1951, **7**, 291 (*synth, uv*)

Iprindole, BAN, USAN, INN **I-00157**

*6,7,8,9,10,11-Hexahydro-*N,N*-dimethyl-5*H*-cyclooct[b]indole-5-propanamine, 9CI. 5-[3-(Dimethylamino)propyl]-6,7,8,9,10,11-hexahydro-5*H*-cyclooct[b]indole, 8CI. Tertran. Pramindole (obsol.). Wy 3263*

[5560-72-5]



$C_{19}H_{28}N_2$ M 284.444

Antidepressant.

▷GY0350000.

B,HCl: [20432-64-8]. *Galatur. Prondol.* Cryst. (MeOH/Me_2CO). Mp 146-147°.

▷GY0363000.

Rice, L.M. *et al, J. Med. Chem.*, 1964, **7**, 313 (*synth*)
Gluckman, M.I. *et al, Psychopharmacologia*, 1969, **15**, 169 (*pharmacol*)
Lemberger, L. *et al, Biochem. Pharmacol.*, 1970, **19**, 3021 (*pharmacol*)
Miller, K.W. *et al, Experientia*, 1970, **26**, 863.
Freeman, J.J. *et al, J. Pharmacol. Exp. Ther.*, 1972, **183**, 307 (*pharmacol*)
Rodgers, J.R. *et al, Acta Crystallogr., Sect. B*, 1974, **30**, 1970 (*cryst struct*)
De Montigny, C., *Mod. Prob. Pharmacopsychiatry*, 1982, **18**, 102 (*rev*)
Maxwell, R.A., *Drug. Dev. Res.*, 1983, **3**, 203 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2518.

Iproclozide, BAN, INN **I-00158**

(4-Chlorophenoxy)acetic acid 2-(methylethyl)-hydrazide, 9CI. (p-*Chlorophenoxy)acetic acid 2-isopropylhydrazide, 8CI.* N-(*4-Chlorophenoxyacetyl*)-N′-*isopropylhydrazine. Sinderesin. Sursum. PC 603*

[3544-35-2]



$C_{11}H_{15}ClN_2O_2$ M 242.705

Monamine oxidase inhibitor. Antidepressant. Mp 93-94°.

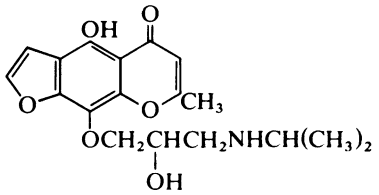
▷AG0525000.

Libermann, D. *et al, Bull. Soc. Chim. Fr.*, 1961, 1952.
De Sagher, R.M. *et al, Biomed. Mass Spectrom.*, 1975, **2**, 82 (*ms*)
De Sagher, R.M. *et al, Drug Metab. Dispos.*, 1975, **3**, 423 (*metab*)
Fulcrand, P. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1978, **13**, 177 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2519.

Iprocrolol, INN **I-00159**

*4-Hydroxy-9-[2-hydroxy-3-(methylethylamino)-propoxy]-7-methyl-5*H*-furo[3,2-g][1]benzopyran-5-one, 9CI*

[37855-80-4]



$C_{18}H_{21}NO_6$ M 347.367

Antiarrhythmic agent, β-adrenergic blocker. Cryst. (EtOH). Mp 153°.

B,HCl: [37855-81-5]. *Iprocrolol hydrochloride. S 464.* Cryst. (MeOH).

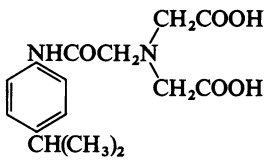
▷LV1080000.

Martin, M. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 563 (*synth, pharmacol*)

Iprofenin, USAN **I-00160**

N-(*Carboxymethyl*)-N-[2-[[*4-(1-methylethyl)phenyl*]-*amino*]-*2-oxoethyl*]*glycine, 9CI. Pipida*

[66292-53-3]



$C_{15}H_{20}N_2O_5$ M 308.333

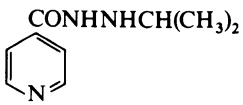
Hepatic function determinant, usually employed as ^{99}Tc-Sn complex for radiological determination.

Ju, H.-W., *IEEE Trans. Nucl. Sci.*, 1977, **NS-26**, 559 (*synth, pharmacol*)
Subramanian, G. *et al, Nuclearmedizin Suppl. (Stuttgart)*, 1978, **16**, 136 (*synth, pharmacol*)
Williams, W. *et al, J. Nucl. Med.*, 1984, **25**, 160 (*use*)

Iproniazid, BAN, INN **I-00161**

2-(1-Methylethyl)-4-pyridinecarboxylic acid hydrazide, 9CI. N^1-*Isonicotinoyl*-N^2-*isopropylhydrazine. Euphozid. Iprazid. Ipronid. Ipronin. Rivivol*

[54-92-2]



$C_9H_{13}N_3O$ M 179.221

Antidepressant drug (monoamine oxidase inhibitor). Cryst. (C_6H_6/pet. ether). Mp 112.5-113.5°.

▷NS1925000.

B,2HCl: [6011-62-7]. Cryst. (2-propanol). Mp 227-228° dec.

▷NS1926000.

Phosphate (1:1): [305-33-9]. *Marsilid.* Antibacterial (tuberculostatic).

▷NS1950000.

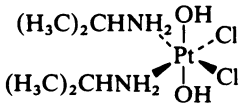
Fox, H.H. *et al, J. Org. Chem.*, 1953, **18**, 994.
Yale, H.L. *et al, J. Am. Chem. Soc.*, 1953, **75**, 1933.
Davies, W.A. *et al, J. Clin. Exp. Psychopharmacol.*, 1958, **19**, Suppl. 1, 1 (*revs*)

Randall, L.O. *et al*, *Ann. N.Y. Acad. Sci.*, 1959, **80**, 626 (*pharmacol*)
Spector, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **128**, 15 (*pharmacol*)
Coubeils, J.L. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1971, **273**, 1164 (*conformn*)
Kauffman, G.B., *J. Chem. Educ.* 1979, **56**, 35 (*history*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2520.

Iproplatin, BAN, USAN, INN **I-00162**

Dichlorodihydroxybis(2-propanamine)platinum, 9CI. ab-*Dichloro*-ce-*dihydroxy*-df-*bis(isopropylamine)-platinum. CHIP. JM 9. NSC 256927*

[62928-11-4]



$C_6H_{20}Cl_2N_2O_2Pt$ M 418.222

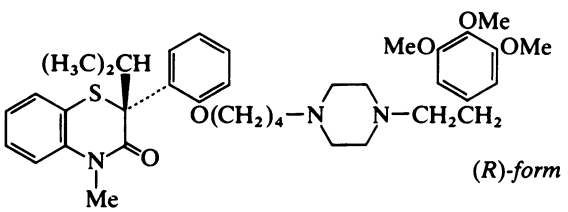
Antineoplastic agent. Cryst. + $\frac{1}{2}H_2O$ (H_2O).

▷TP2494300.

Connors, T.A. *et al*, *Chem.-Biol. Interact.*, 1972, **5**, 415.
Tobe, M.L. *et al*, *J. Clin. Hematol. Oncol.*, 1977, **7**, 114 (*pharmacol*)
B.P., 1 578 323, (*1980*); *CA*, **87**, 177982u (*synth*)
Laverick, M. *et al*, *Br. J. Radiol.*, 1981, **54**, 529 (*pharmacol*)
Pendyala, L. *et al*, *Cancer Treat. Rep.*, 1982, **66**, 509 (*metab*)
Barnard, C.F.J. *et al*, *J. Chem. Res. (S)*, 1983, **12**, 302 (*synth, cryst struct*)
Chang, P., *Drugs Future*, 1985, **10**, 561 (*rev*)
Harrap, K.R., *Cancer Treat. Rev.*, 1985, **12A**, 21 (*rev*)
Barnard, C.F.J. *et al*, *Chem. Br.*, 1986, **22**, 1001 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18653.

Iprotiazem, INN **I-00163**

2-Isopropyl-4-methyl-2-[o-[*4-*[*4-*(*3,4,5-trimethoxyphenethyl*)*-1-piperazinyl*]*butoxy*]*phenyl*]*-*2H*-1,4-benzothiazin-3*(4H)*-one*



(*R*)*-form*

$C_{37}H_{49}N_3O_5S$ M 647.871

(***R*)-form** [105118-13-6]

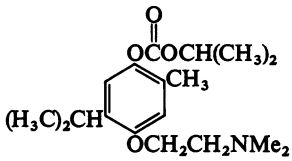
Calcium antagonist.

Ger. Pat., 3 633 496, (*1988*); *CA*, **110**, 160376 (*use*)
Qar, J. *et al*, *Mol. Pharmacol.*, 1988, **33**, 363 (*pharmacol*)

Iproxamine, INN **I-00164**

4-[*2-*(*Dimethylamino*)*ethoxy*]*-2-methylethyl*)*phenyl 1-methylethyl carbonate, 9CI.* [*β*-(*4-Isopropoxycarboxythymoxy*)*ethyl*]*dimethylamine. Go 2782. W 42782*

[52403-19-7]



$C_{18}H_{29}NO_4$ M 323.431

Peripheral vasodilator.

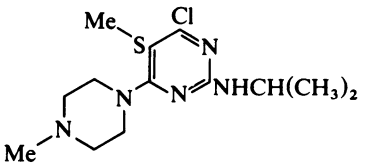
B,HCl: [51222-37-8]. *Iproxamine hydrochloride, USAN.* Cryst. (THF). Mp 180-181°.

U.S.P., 3 966 779, (*1976*); *CA*, **85**, 159649v (*synth, pharmacol*)

Iprozilamine, INN **I-00165**

*4-Chloro-*N*-(1-methylethylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)-2-pyrimidinamine, 9CI*

[55477-19-5]



$C_{13}H_{22}ClN_5S$ M 315.863

Sedative, antiemetic, neuroleptic agent. Mp 145-146°.

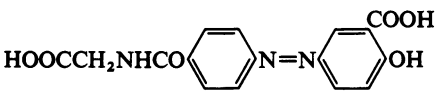
▷UV8111000.

Mattioda, G. *et al*, *J. Med. Chem.*, 1975, **18**, 553 (*synth, pharmacol*)

Ipsalazide, BAN, INN **I-00166**

5-[[*4-*[[(*Carboxymethyl*)*amino*]*carbonyl*]*phenyl*]*azo*]*-2-hydroxybenzoic acid, 9CI. 4′-(3-Carboxy-4-hydroxyphenylazo)hippuric acid*

[80573-03-1]



$C_{16}H_{13}N_3O_6$ M 343.295

Drug used for treatment of ulcerative colitis; antibacterial agent. Yellow cryst. (EtOH). Mp 260-262°.

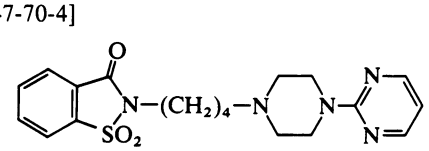
Di-Na salt: [82101-17-5]. *Hipsalazine disodium. BX 650A.* Mp >360°.

B.P., 2 080 796, (*1982*); *CA*, **97**, 23470v (*synth, pharmacol*)
Chan, R.P. *et al*, *Dig. Dis. Sci.*, 1983, **28**, 609 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18654.

Ipsapirone, INN **I-00167**

2-[*4-*[*4-*(*2-Pyrimidinyl*)*-1-piperazinyl*]*butyl*]*-1,2-benzisothiazol-3*(2H)*-one 1,1-dioxide, 9CI*

[95847-70-4]



$C_{19}H_{23}N_5O_3S$ M 401.482

Anxiolytic agent. Cryst. (2-propanol). Mp 137-138°.

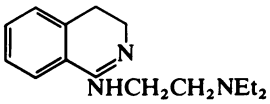
B,HCl: [92589-98-5]. *TVXQ7821.* Mp 221-222°.

Ger. Pat., 3 321 969, (*1984*); *CA*, **102**, 220896m (*synth*)
Dourish, C.T. *et al*, *Trends Pharmacol. Sci.*, 1986, **7**, 212 (*rev, pharmacol*)
Goodwin, G.M. *et al*, *Psychopharmacology*, 1986, **89**, 382 (*pharmacol*)

Iquindamine, INN **I-00168**

N'-(3,4-Dihydro-1-isoquinolinyl)-N,N-diethyl-1,2-ethanediamine, 9CI. *1-[[2-(Diethylamino)ethyl]amino]-3,4-dihydroisoquinoline,* 8CI. *RP 20517*

[55299-11-1]



$C_{15}H_{23}N_3$ M 245.367

Antitussive agent.

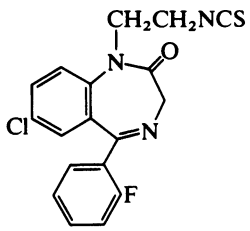
B,2HCl: [26406-62-2]. Mp 206-207°.

Fr. Pat., M7445, (*1970*); *CA*, **77**, 5370v (*synth, pharmacol*)

Irazepine **I-00169**

7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-(2-isothiocyanatoethyl)-2H-1,4-benzodiazepin-2-one, 9CI. *RO 7-1986/1*

[71735-92-7]



$C_{18}H_{13}ClFN_3OS$ M 373.832

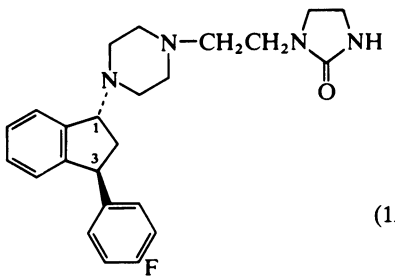
Benzodiazepine receptor binding inhibitor. Cryst. (EtOH). Mp 144.5-146°.

B,HCl: [71735-88-1]. Cryst. (MeOH/Et_2O). Mp 217-220°.

Rice, K.C. *et al*, *Nature* (*London*), 1979, **278**, 854 (*synth, pharmacol*)
Williams, E.F. *et al*, *Pharmacol., Biochem. Behav.*, 1981, **14**, 487 (*pharmacol*)
Skolnick, P. *et al*, *J. Neurochem.*, 1982, **39**, 1142 (*pharmacol*)

Irindalone, INN **I-00170**

1-[2-[4-[3-(4-Fluorophenyl)-2,3-dihydro-1H-inden-1-yl]-1-piperazinyl]ethyl]-2-imidazolidinone, 9CI



(*1R,3S*)-*form*

$C_{24}H_{29}FN_4O$ M 408.518

(***1R,3S*)-*form*** [96478-43-2]

trans-(+)-*form*

Antihypertensive agent. Cryst. (Et_2O/isopropyl ether). Mp 94-97°. $[\alpha]_D$ +16° (c, 4.0 in MeOH).

(***1RS,3SR*)-*form*** [104113-54-4]

trans-(±)-*form*

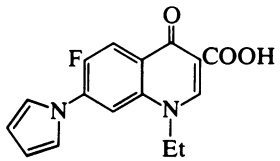
Cryst. (EtOAc/isopropyl ether). Mp 153-157°.

Eur. Pat., 183 349, (*1986*); *CA*, **105**, 133908 (*synth, pharmacol*)
Jensen, B., *Acta Crystallogr., Sect. C*, 1988, **44**, 1602 (*cryst struct*)

Irloxacin, INN **I-00171**

1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1H-pyrrol-1-yl)-3-quinolinecarboxylic acid, 9CI. *Bludacina. Pirfloxacin*

[91524-15-1]



$C_{16}H_{13}FN_2O_3$ M 300.289

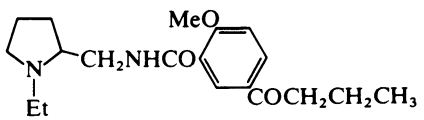
Gram-negative antibacterial agent. Cryst. (DMF/MeOH). Mp 215-220°, Mp 252-255°.

Fr. Pat., 2 548 664, (*1985*); *CA*, **103**, 87784a
Stefancich, G. *et al*, *Farmaco, Ed. Sci.*, 1985, **40**, 237 (*synth, pharmacol*)
Domagala, J.M. *et al*, *J. Med. Chem.*, 1986, **29**, 394 (*synth, pharmacol*)

Irolapride, INN **I-00172**

N-[(1-Ethyl-2-pyrrolidinyl)methyl]-2-methoxy-5-(1-oxobutyl)benzamide, 9CI

[64779-98-2]



$C_{19}H_{28}N_2O_3$ M 332.442

Antiemetic.

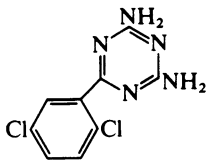
B,HCl: [64779-97-1]. Mp 125°.

Ger. Pat., 2 705 896, (*1977*); *CA*, **88**, 6570z (*synth, pharmacol*)

Irsogladine, INN **I-00173**

6-(2,5-Dichlorophenyl)-1,3,5-triazine-2,4-diamine, 9CI

[57381-26-7]



$C_9H_7Cl_2N_5$ M 256.094

Antiulcer agent.

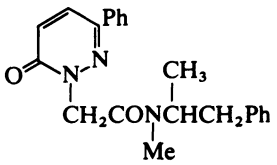
Maleate: [84504-69-8]. *MN 1695.*

N-*Oxide, maleate:* Mp 272° dec.

Ger. Pat., 2 506 814, (*1975*); *CA*, **83**, 206332g (*synth*)
Ogino, A. *et al*, *J. Med. Chem.*, 1980, **23**, 437 (*activity*)
Ueda, F. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 474, 478, 485, 492; 1986, **36**, 1221, 1229 (*synth, metab, pharmacol*)

Isamfazone, INN **I-00174**

N-*Methyl*-N-(*1-methyl-2-phenylethyl*)-*6-oxo-3-phenyl-1*(6H)-*pyridazineacetamide*, *9CI. Pir 353*



$C_{22}H_{23}N_3O_2$ M 361.443

(−)-*form* [55902-02-8]

Analgesic, antiinflammatory agent. Cryst. (2-propanol). Mp 109-111°.

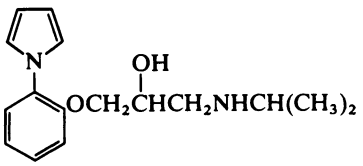
▷UR5610000.

Pitarch, L. *et al*, *Eur. J. Med. Chem.*, 1974, **9**, 644 (*synth, tox, pharmacol*)

Isamoltan, INN **I-00175**

1-[1-(1-Methylethyl)amino]-3-[2-(1H-pyrrol-1-yl)-phenoxy]-2-propanol, *9CI*

[55050-95-8]



$C_{16}H_{22}N_2O_2$ M 274.362

(±)-*form*

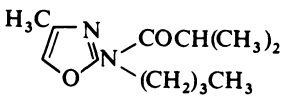
Tranquilliser. Cryst. (Et_2O). Mp 80-81°.

Swiss Pat., 579 046, (*1976*); *CA*, **85**, 192550d (*synth, pharmacol*)

Isamoxole, BAN, USAN, INN **I-00176**

N-*Butyl-2-methyl*-N-(*4-methyl-2-oxazolyl*)-*propanamide*, *9CI. Lilly 90606. LRCL 3950*

[57067-46-6]



$C_{12}H_{20}N_2O_2$ M 224.302

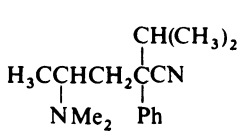
Antiasthmatic drug. Oil. Bp_1 96-98°.

Rackham, D.M. *et al*, *Org. Magn. Reson.*, 1978, **11**, 424 (*pmr, cmr*)
Chatfield, D.H. *et al*, *Xenobiotica*, 1979, **9**, 585 (*metab*)
Ross, W.J. *et al*, *J. Med. Chem.*, 1979, **22**, 412 (*synth, pharmacol*)
Dawson, W. *et al*, *Br. J. Pharmacol.*, 1980, **71**, 387 (*pharmacol*)

Isoaminile, BAN, INN **I-00177**

α-[*2-(Dimethylamino)propyl*]-α-(*1-methylethyl*)-*benzeneacetonitrile*, *9CI. 3-Cyano-5-dimethylamino-3-phenyl-2-methylhexane. 4-Dimethylamino-2-isopropyl-2-phenylvaleronitrile*, *8CI. Aprecon. Nullatuss. Sedotosse. Perocan. Mucalan. Dimyril*

[77-51-0]



$C_{16}H_{24}N_2$ M 244.379

Antitussive, spasmolytic agent. Liq. Bp_3 138-146°.

Citrate (*1:1*): [28416-66-2]. Cryst. (Et_2O/EtOH). Mp 63-64°.

▷YV8521000.

Tartrate: Cryst. Mp 64°.

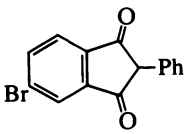
Cyclamate (*1:1*): [10075-36-2].

B.P., 822 695, (*1959*); *CA*, **54**, 4501 (*synth, pharmacol*)
Braeunlich, H., *Pharmazie*, 1964, **19**, 650 (*pharmacol*)
Bastos, W.P. *et al*, *Pharmacology*, 1970, **4**, 39.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5622.

Isobromindione, INN **I-00178**

5-Bromo-2-phenyl-1H-indene-1,3(2H)-*dione*, *9CI. 5-Bromo-2-phenyl-1,3-indandione. G/18. Uridion*

[1470-35-5]



$C_{15}H_9BrO_2$ M 301.139

▷NK5156000.

(±)-*form*

Uricosuric agent. Violet-brown cryst. (MeOH). Mp 164-165°.

Dioxime: Mp 205-207° dec.

Perjessy, A. *et al*, *Tetrahedron*, 1971, **27**, 6159 (*ir*)
Islam, A.M. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1274 (*synth*)
Fanelli, O., *Arzneim.-Forsch.*, 1975, **25**, 873 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12866.

Isobucaine **I-00179**

2-Methyl-2-[(2-methylpropyl)amino]-1-propanol benzoate, *9CI. 2-Isobutylamino-2-methyl-1-propanol benzoate*, *8CI*

[14055-89-1]



$C_{15}H_{23}NO_2$ M 249.352

Local anaesthetic.

B,HCl: [3562-15-0]. *Isobucaine hydrochloride*, *USAN. Kinkaine.* Mp 182-185°.

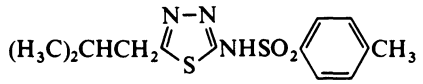
▷UB6796500.

U.S.P., 2 421 129, (*1947*); *CA*, 1947, **41**, 5263h (*synth, pharmacol*)
Feldmann, E.G. *et al*, *J. Pharm. Sci.*, 1961, **50**, 347 (*anal*)
Adriani, J. *et al*, *Clin. Pharm. Ther.*, 1964, **5**, 49 (*pharmacol*)
Koehler, H.M. *et al*, *J. Pharm. Sci.*, 1964, **53**, 745 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7631.

Isobuzole, BAN **I-00180**

4-Methoxy-N-[*5-(2-methylpropyl)-1,3,4-thiadiazol-2-yl*]*benzenesulfonamide*, *9CI.* N-(*5-Isobutyl-1,3,4-thiadiazol-2-yl*)-*4-methoxybenzenesulfonamide.* ***Glysobuzole,*** *INN, JAN. Stabinol. CB 8002*

[3567-08-6]



$C_{13}H_{17}N_3O_3S_2$ M 327.416

Oral hypoglycaemic agent. Cryst. (EtOH aq.). Mp 148-149°.

▷DB2780000.

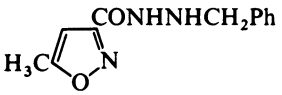
Chubb, F.C. *et al*, *Can. J. Chem.*, 1959, **37**, 1121 (*synth*)
Hokfelt, B., *J. Med. Chem.*, 1962, **5**, 247 (*synth, pharmacol*)

Rosen, H. *et al*, *Toxicol. Appl. Pharmacol.*, 1966, **8**, 13 (*tox*)
Ruelius, H.W. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 115 (*metab*)

Isocarboxazid, BAN, INN **I-00181**

5-Methyl-3-isoxazolecarboxylic acid 2-benzylhydrazide, 8CI. *3-(2-Benzylhydrazinocarbonyl)-5-methylisoxazole. Enerzer. Marplan. Marplon. Ro 5-0831. U 10387*

[59-63-2]



$C_{12}H_{13}N_3O_2$ M 231.254

Antidepressant (monoamine oxidase inhibitor). Cryst. (MeOH). Mp 105-106°.

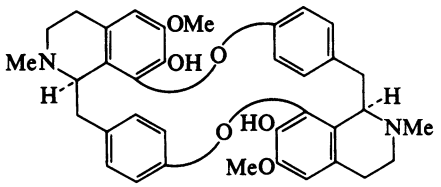
▷NY2625000.

Gardner, T.S. *et al*, *J. Med. Chem.*, 1960, **2**, 133 (*synth, pharmacol*)
Ho, B.T. *et al*, *J. Pharm. Sci.*, 1972, **61**, 821 (*rev*)
Rudy, B.C. *et al*, *Anal. Profiles Drug Subst.*, 1973, **2**, 295 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2521.

Isochondodendrine **I-00182**

$O^7,O^{7'}$*-Didemethylcycleanine,* 9CI. *Isobebeerine. Isendryl. Isodendril*

[477-62-3]



$C_{36}H_{38}N_2O_6$ M 594.706

Alkaloid from *Chondodendron candicans, C. limaciifolium, C. microphyllum, C. platyphyllum, C. tomentosum, C. toxicoferum, Cissampelos mucronata, C. pareira, Cyclea barbata, C. insularis, C. madagascariensis, C. peltata, C. hainanensis, Cleistopholis staudtii, Epinetrum cordifolium, E. mangenotti, E. villosum, Guatteria megalophylla, Heracleum wallichi, Isolona pilosa, Paracyclea ochiaiana, Pleogyne cunninghamii, Sciadotenia toxifera, Stephania hernandifolia, S. elegans* and others (Menispermaceae, Annonaceae, Umbelliferae). Antispasmodic, sedative. Mp 305° (288°, 275°) dec. $[\alpha]_D^{22}$ +120° (c, 0.24 in 0.1M HCl), $[\alpha]_D^{22}$ +50° (c, 0.965 in Py), $[\alpha]_D^{20}$ −29° (c, 1.3 in $CHCl_3$), $[\alpha]_D^{20}$ −31° (c, 0.33 in $CHCl_3$). Exhibits anomalous solvent-dependent opt. activity.

▷GT8815000.

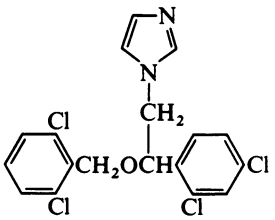
B,H_2SO_4: [32434-24-5]. Mp 291-292° dec. $[\alpha]_D$ +194° (c, 1.3 in 1M H_2SO_4 aq.); $[\alpha]_D$ +50° (c, 0.034 in 1M H_2SO_4 aq.). Opt. rotn. concn. dependent.
B,2MeI: Mp 280° dec. $[\alpha]_D^{24}$ +87° (c, 0.7 in H_2O).
Di-Me ether: see Cycleanine, C-00590
Di-Et ether: Mp 216°. $[\alpha]_D^{20}$ −9° (c, 0.735 in EtOH).

Dutcher, J.D., *J. Am. Chem. Soc.*, 1946, **68**, 419 (*isol*)
Gley, P. *et al*, *Compt. Rend. Soc. Biol.*, 1952, **146**, 13 (*pharmacol*)
Jeffreys, J.A.D., *J. Chem. Soc.*, 1956, 4451 (*struct, props*)
Bick, I.R.C. *et al*, *J. Chem. Soc.*, 1961, 1896 (*pmr*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1965, 2239 (*ord*)
Baldas, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 599 (*ms*)
Dwuma-Badu, D. *et al*, *Phytochemistry*, 1975, **14**, 2520 (*isol, uv, ir, ms*)
Galeffi, C. *et al*, *Gazz. Chim. Ital.*, 1978, **108**, 97 (*isol, pmr*)
Marsaioli, A.J. *et al*, *Phytochemistry*, 1978, **17**, 1655 (*cmr*)
Singh, R.S. *et al*, *J. Nat. Prod.*, 1981, **44**, 664 (*isol, uv, ir, pmr*)

Isoconazole, BAN, USAN, INN **I-00183**

*1-[2-(2,4-Dichlorophenyl)-2-[(2,6-dichlorophenyl)-methoxy]ethyl]-1*H*-imidazole,* 9CI. *1-[2,4-Dichloro-β-[(2,6-dichlorobenzyl)oxy]phenethyl]imidazole,* 8CI

[27523-40-6]



$C_{18}H_{14}Cl_4N_2O$ M 416.133

Antifungal and antibacterial agent.

B,HNO_3: [24168-96-5]. *Isoconazole nitrate,* JAN. *Adestan. Fazol. Gyno-Travogen. Icaden. Isogyn. Mupaten. Travogen. Travogyn. Ufarin. FF 149. R 15454.* Mp 182-183°.

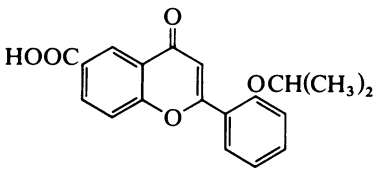
▷NI4772000.

Godefroi, E.F. *et al*, *J. Med. Chem.*, 1969, **12**, 784 (*synth, pharmacol*)
Kessler, H.J. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1352 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12868.

Isocromil, INN **I-00184**

*2-[2-(1-methylethoxy)phenyl]-4-oxo-4*H*-1-benzopyran-6-carboxylic acid,* 9CI. *2′-Isopropoxyflavone-6-carboxylic acid*

[57009-15-1]



$C_{19}H_{16}O_5$ M 324.332

(±)-form

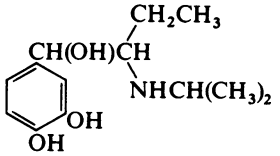
Drug used for treatment of passive cutaneous anaphylaxis, antiasthmatic agent. Cryst. (EtOH). Mp 209-211°.

Ger. Pat., 2 461 670, (*1975*); *CA*, **83**, 178827b (*synth*)

Isoetharine, BAN **I-00185**

4-[1-Hydroxy-2-[(1-methylethyl)amino[butyl]-1,2-benzenediol, 9CI. 3,4-Dihydroxy-α-[1-(isopropylamino)-propyl[benzyl alcohol, 8CI. α-(1-Isopropylaminopropyl) protocatechuyl alcohol. ***Isoetarine, INN.*** *Bronkosol. Dilabron. Etyprenaline. Neoisuprel. Win 3046*

[530-08-5]



$C_{13}H_{21}NO_3$ M 239.314

Bronchodilator. Cryst. (MeOH/Et_2O). Coml. prod. is *erythro-(±)-form.* Also used as methanesulfonate salt (Isoetharine mesylate, USAN).

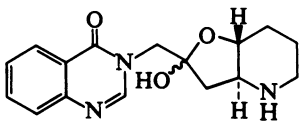
B,HCl: [50-96-4]. *Isoetharine hydrochloride, USAN. Numotac. Asthmalitan.* Mp 212-213° dec.

Lands, A.W. *et al, J. Pharmacol. Exp. Ther.*, 1950, **99**, 45.
East Ger. Pat., 45 721, (*1966*); *CA*, **65**, 7096h (*synth*)
Grana, E. *et al, Farmaco, Ed. Sci.*, 1969, **24**, 1038 (*pharmacol*)
Mardle, M.J. *et al, J. Med. Chem.*, 1974, **17**, 513 (*synth, pharmacol*)
Lovgren, K. *et al, Acta Pharm. Suec.*, 1977, **14**, 30 (*pmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2070, 2071.

Isofebrifugine **I-00186**

3-[(Octahydro-2-hydroxyfuro[3,2-b]pyridin-2-yl)-methyl]-4(3H)-quinazolinone, 9CI

[32434-44-9]



$C_{16}H_{19}N_3O_3$ M 301.344

Alkaloid from the roots of the Chinese drug Ch'ang Shan (*Dichroa febrifuga*) (Hydrangeaceae). Cryst. (MeOH or $CHCl_3$/EtOH). Mp 129-130°. $[\alpha]_D^{23}$ +131° (c, 0.35 in $CHCl_3$).

Dibenzenesulfonyl: Mp 182.5-183.5°.

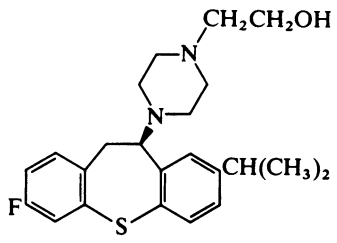
N-Nitroso: Mp 185-186.5°.

Koepfli, J.B. *et al, J. Am. Chem. Soc.*, 1947, **69**, 1837; 1949, **71**, 1048 (*isol, uv, struct*)

Isofloxythepin **I-00187**

4-[3-Fluoro-10,11-dihydro-8-(1-methylethyl)-dibenzo[b,f]thiepin-10-yl]-1-piperazineethanol, 9CI

[70931-18-9]



(R)-form

$C_{23}H_{29}FN_2OS$ M 400.553

(R)-form [106819-41-4]

Cryst. (C_6H_6/pet. ether). Mp 93-94°. $[\alpha]_D^{20}$ +15.2° (c, 1 in MeOH).

Monomethanesulfonate: [106819-42-5]. Cryst. (Me_2CO/EtOH). Mp 174.5-175.5°. $[\alpha]_D^{20}$ +13.5° (c, 1 in MeOH).

(S)-form [106819-39-0]

Cryst. (C_6H_6/pet. ether). $[\alpha]_D^{20}$ −14.4° (c, 1 in MeOH).

Monomethanesulfonate: [106819-40-3]. Cryst. (Me_2CO). Mp 175-176°. $[\alpha]_D^{20}$ −14.0° (c, 1 in MeOH).

(±)-form [106754-53-4]

Neuroleptic. Cryst. (toluene). Mp 93-97°.

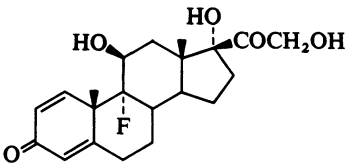
Monomethanesulfonate: [106754-63-6]. Cryst. (EtOH). Mp 193.5-194.5°.

Jilek, J. *et al, Collect. Czech. Chem. Commun.*, 1984, **49**, 2638 (*synth*)
Pacakova, V. *et al, J. Chromatogr.*, 1984, **298**, 309 (*hplc*)
Polakova, L. *et al, Acta Nerv. Super.*, 1984, **26**, 9, 10, 14, 16, 17 (*pharmacol, metab*)
Polakova, L. *et al, Cesk. Farm.*, 1986, **35**, 97, 255 (*pharmacol, metab*)
Protiva, M. *et al, Collect. Czech. Chem. Commun.*, 1986, **51**, 698; 1987, **52**, 1811 (*synth, pharmacol, bibl*)

Isoflupredone, BAN, INN **I-00188**

9α-Fluoro-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione, 9CI, 8CI. 9α-Fluoroprednisolone. Deltafludrocortisone

[338-95-4]



$C_{21}H_{27}FO_5$ M 378.440

Adrenocorticosteroid. Used mainly as 21-acetate.

21-Ac: [338-98-7]. ***Isoflupredone acetate, USAN.*** *Predef 2X. Menaderm simplex.*

$C_{23}H_{29}FO_6$ M 420.477

Veterinary adrenocorticosteroid. Mp 225-236°.

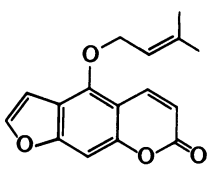
▷TU3970000.

McAleer, W.J. *et al, J. Org. Chem.*, 1958, **23**, 508 (*synth*)
Smith, L.L. *et al, J. Org. Chem.*, 1958, **23**, 960 (*spectra*)
Pechet, M.M. *et al, J. Clin. Invest.*, 1959, **38**, 681 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12869.

Isoimperatorin **I-00189**

4-[(3-Methyl-2-butenyl)oxy]-7H-furo[3,2-g][1]-benzopyran-7-one, 9CI, 8CI. 4-(3-Methyl-3-butenyloxy)-7-oxofuro[3,2-g]chromene. Cnidin

[482-45-1]



$C_{16}H_{14}O_4$ M 270.284

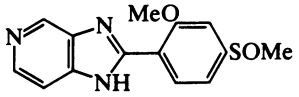
Constit. of *Imperatoria ostruthium* and *Angelica* spp. Also from *Cnidium dubium.* Has spasmolytic and antineoplastic props. Mp 109°.

Späth, E. *et al, Ber.*, 1939, **72**, 52 (*synth*)
Perel'son, M.E. *et al, Khim. Prir. Soedin.*, 1966, 381 (*uv*)
Lee, K.-H. *et al, J. Pharm. Sci.*, 1969, **58**, 681 (*ir, uv, nmr*)
Perel'son, M.E. *et al, Khim. Prir. Soedin.*, 1971, 576 (*nmr*)
Voigt, D. *et al, J. Prakt. Chem.*, 1977, **319**, 767 (*ms*)

Isomazole, INN **I-00190**

2-[2-Methoxy-4-(methylsulfinyl)phenyl]-1H-imidazo-[4,5-c]pyridine, 9CI. BW A746C

[86315-52-8]



$C_{14}H_{13}N_3O_2S$ M 287.336

(±)-form [106485-63-6]

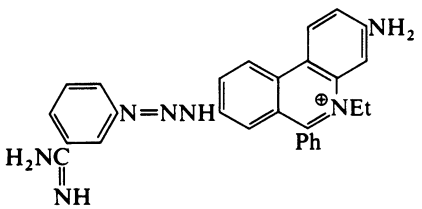
Cardiotonic.

B,HCl: [87359-33-9]. *Isomazole hydrochloride,* USAN. *EMD 41000. LY 175326.* Cryst. (DMF/Et_2O). Mp 210-212°.

Bernstein, J.R. *et al, J. Chromatogr.*, 1985, **342**, 228 (*hplc*)
Hayes, J.S. *et al, J. Pharmacol. Exp. Ther.*, 1985, **233**, 318 (*pharmacol*)
Robertson, D.W. *et al, J. Med. Chem.*, 1985, **28**, 717 (*synth, pharmacol*)
Jonas, R. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1986, **319**, 1150 (*synth, resoln*)

Isometamidium(1+), BAN **I-00191**

3-Amino-8-[3-[3-(aminoiminomethyl)phenyl]-1-triazenyl]-5-ethyl-6-phenylphenanthridinium, 9CI. 8-(3-Amidinophenyldiazoamino)-3-amino-5-ethyl-6-phenylphenanthridinium. Antridonium



$C_{28}H_{26}N_7^{\oplus}$ M 460.560 (ion)

Veterinary antiprotozoal agent. Mp 244-245° dec.

Chloride: [34301-55-8]. *Isometamidium chloride,* INN. *Samorin. A 4180. M and B 4180A.*

$C_{28}H_{26}ClN_7$ M 496.013

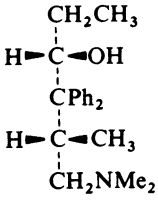
Red cryst. (EtOH aq.). Mp 244-245° dec.

Wragg, W.R. *et al, Nature* (*London*), 1958, **182**, 1005
Berg, S.S. *et al, J. Chem. Soc.*, 1963, 3635 (*synth*)

Isomethadol **I-00192**

β-[2-(Dimethylamino)-2-methylethyl]-α-ethyl-β-phenylbenzeneethanol, 9CI. 6-Dimethylamino-5-methyl-4,4-diphenylhexan-3-ol, 8CI

[25117-79-7]



β-(+)-form
Absolute configuration

$C_{21}H_{29}NO$ M 311.466

α-(+)-form [26533-05-1]

(3S,5R)-form

Mp 124.5-125.5°. $[\alpha]_D^{20}$ +19.1° (c, 0.63 in EtOH).

B,HCl: [49570-65-2]. Cryst. +½H_2O (Me_2CO). Mp 202-204°. $[\alpha]_D^{20}$ +10.1° (c, 1.89 in H_2O).

β-(+)-form [14347-93-4]

(3S,5S)-form

The most potent analgesic of the four stereoisomers. Slim rods (EtOH aq.). Mp 94-95°. $[\alpha]_D^{20}$ +13.3° (c, 1.65 in EtOH).

B,HCl: Thin prisms (EtOH/Et_2O). Mp 241-243°. $[\alpha]_D^{20}$ +13.5° (c, 1.78 in H_2O).

α-(−)-form [14347-92-3]

(3R,5S)-form

Shows little analgesic activity. Prisms (EtOH aq.). Mp 125-126°. $[\alpha]_D^{20}$ −19.7° (c, 1.43 in EtOH).

B,HCl: Rectangular plates +½H_2O (Me_2CO). Mp 202-204°. $[\alpha]_D^{20}$ −9.6° (c, 2.93 in H_2O).

β-(−)-form [26532-77-4]

(3R,5R)-form

Mp 93.5-94.5°. $[\alpha]_D^{20}$ −13.8° (c, 1.09 in EtOH).

B,HCl: [49570-66-3]. Mp 241-243°. $[\alpha]_D^{20}$ −13.5° (c, 1.56 in H_2O).

α-(±)-form

(3RS,5SR)-form

Cryst. (ligroin) or by subl. Mp 100-102.5°. pK_a 7.77.

B,HCl: Needles (Me_2CO/Et_2O). Mp 204-205°.

β-(±)-form

(3RS,5RS)-form

Prisms (EtOH/aq.). Mp 107-108.5°.

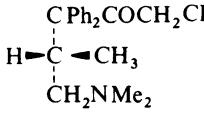
B,HCl: Cryst. (EtOH/Et_2O). Mp 252-254°.

May, E.L. *et al, J. Org. Chem.*, 1952, **17**, 1210 (*synth, pharmacol*)
Portoghese, P.S., *J. Pharm. Sci.*, 1966, **55**, 865 (*use*)
Portoghese, P.S. *et al, Tetrahedron Lett.*, 1966, 6299 (*abs config*)
Portoghese, P.S. *et al, J. Med. Chem.*, 1970, **13**, 626 (*abs config, synth, ir, pmr*)
Ruemmler, R. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1971, **304**, 561 (*synth, pmr*)
Haller, R. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1973, **306**, 510 (*synth*)

Isomethadone, BAN, INN **I-00193**

6-Dimethylamino-5-methyl-4,4-diphenyl-3-hexanone, 9CI, 8CI. Isoamidone II. Isoadanone. Isodanon. Isopolamidon

[466-40-0]



(S)-form
Absolute configuration

$C_{21}H_{27}NO$ M 309.450

▷MP1925000.

(R)-form [26594-41-2]

Oil. $[\alpha]_D^{25}$ +20.8°.

B,HCl: Mp 231-232° (monohydrate 176-177°). $[\alpha]_D^{25}$ +70°.

(S)-form [561-10-4]

Liden

Narcotic analgesic. Has greater activity than the (*R*)-form. Oily liq. $Bp_{0.6}$ 162-165°. $[\alpha]_D^{25}$ −20° (c, 1.5 in EtOH).

B,HCl: [7487-81-2]. Sol. H_2O, EtOH. Mp 231-233°. $[\alpha]_D^{25}$ −70° (c, 1.5 in H_2O).

▷MP3325000.

B,HCl, monohydrate: Cryst. (2-propanol/Et_2O). Sol. 2-propanol, insol. Et_2O. Mp 173-174°. $[\alpha]_D^{25}$ −90° (c, 0.01 in MeOH).

B,HBr: Cryst. Mp 217-218°. $[\alpha]_D^{25}$ −59° (c, 0.015 in H_2O).

(±)-*form*

Shows anaesthetic action equivalent to that of morphine. Used as analgesic, antitussive. Sl. yellow, very viscous oil. Bp_{12} 215°.

B,HCl: [5341-49-1]. Hexagonal tablets (HCl aq. or 2-propanol). Mp 152-153°, 189-191°. Metastable form melts at 114-6°.

B,HBr: Prisms (H_2O). Sol. hot C_6H_6. Mp 149-150°.

Picrate: Yellow cryst. (EtOH). Mp 149-150°.

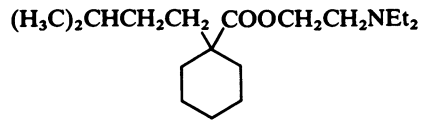
B,MeI: Needles (H_2O or MeOH). Mp 235-245° dec., 263-264°.

Easton, N.R. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 76 (*synth*)
Larsen, A.A. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 4194 (*synth, resoln*)
Howe, E.E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 2935 (*synth*)
Walton, E. *et al*, *J. Chem. Soc.*, 1949, 648 (*synth*)
Eddy, N.B. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **98**, 121; 1954, **110**, 135 (*pharmacol, tox*)
Henkel, J.G. *et al*, *J. Med. Chem.*, 1974, **17**, 124 (*cd, pmr, conformn*)
Shefter, E., *J. Med. Chem.*, 1974, **17**, 1037 (*cryst struct*)
Portoghese, P.S. *et al*, *J. Med. Chem.*, 1982, **25**, 684 (*synth, pharmacol*)
Gerardy, B.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1985, **22**, 5 (*cmr*)

Isomylamine I-00194

1-(3-Methylbutyl)cyclohexanecarboxylic acid 2-(diethylamino)ethyl ester, 9CI. Isomilamine. A-Plus. Neurylan. NSC 78987

[28815-27-2]



$C_{18}H_{35}NO_2$ M 297.480

Spasmolytic and smooth muscle relaxant. $Bp_{0.1}$ 118-120°.

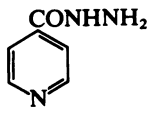
B,HCl: Cryst. (2-butanone). Mp 144-146°.

Tilford, C.H. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1705 (*synth, pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agr. Chem.*, 1964, **47**, 918 (*ir*)

Isoniazid, BAN, USAN, INN I-00195

4-Pyridinecarboxylic acid hydrazide, 9CI. Isonicotinohydrazide. Numerous proprietary names

[54-85-3]



$C_6H_7N_3O$ M 137.141

Tuberculostatic. Cryst. (EtOH). Mp 171.4°.

▷NS1750000.

N^2-*Sulfomethyl:* [13447-95-5]. *4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide. Isoniazid methanesulfonate.* ***Methaniazide, INN.*** *Metaniazide.*
$C_7H_9N_3O_4S$ M 231.226
Tuberculostatic. Cryst. Dec. at 187-189°.

N^2-*Sulfomethyl, Na salt:* [3804-89-5]. *Isonate sodium. Erbazid. Neo-Iscotin. Nesticide. Neo-Tizide.* Yellow cryst. (H_2O). Dec. at 164-167°.

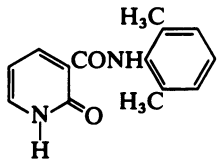
▷NS2275000.

Meyer, H. *et al*, *Monatsh. Chem.*, 1912, **33**, 400 (*synth*)
Ceriotti, G. *et al*, *Arch. Int. Pharmacodyn.*, 1953, **93**, 105 (*Methaniazide*)
Ceriotti, G. *et al*, *Br. J. Pharmacol.*, 1953, **8**, 356 (*Methaniazide*)
U.S.P., 2 759 944, (*1956*); *CA*, **51**, 11398 (*Methaniazide*)
Bhat, T.N. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2921 (*cryst struct*)
Krishna Murti, C.R. *et al*, *Antibiotics (N.Y.)*, 1975, **3**, 623 (*rev*)
Brewer, G.A. *et al*, *Anal. Profiles Drug Subst.*, 1977, **6**, 183 (*rev, synth, props, anal*)
Takayama, K. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 98 (*rev*)
Weber, W.W. *et al*, *Clin. Pharmacokinet.*, 1979, **4**, 401 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7559, 7560, 7562.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 438 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1643.

Isonixin, INN I-00196

N-(2,6-Dimethylphenyl)-1,2-dihydro-2-oxo-3-pyridinecarboxamide, 9CI. 2-Hydroxy-2',6'-nicotinoxylidide. IBH 194. Isonix-AA

[57021-61-1]



$C_{14}H_{14}N_2O_2$ M 242.277

Analgesic, antiinflammatory, uricosuric agent.

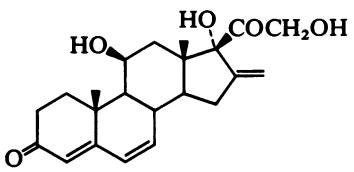
▷US4600000.

U.S.P., 3 897 437, (*1975*); *CA*, **83**, 178847h (*synth*)
Bello, R. *et al*, *Arch. Farmacol. Toxicol.*, 1976, **2**, 256 (*pharmacol*)
Cadena, R. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1457 (*synth, pharmacol*)
Mitjavila, M.T. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1460 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12870.

Isoprednidene, BAN, INN I-00197

11,17,21-Trihydroxy-16-methylenepregna-4,6-diene-3,20-dione, 9CI. 6-Dehydro-16-methylenecortisol. StC 407

[17332-61-5]



$C_{22}H_{28}O_5$ M 372.460

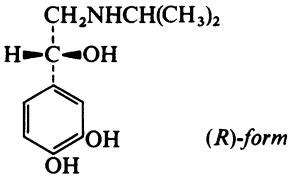
Glucocorticoid. ACTH inhibitor. Cryst. (Me_2CO). Mp 234-236°. $[\alpha]_D^{24}$ +88° (dioxan).

Ger. Pat., 1 159 945, (*1963*); *CA*, **60**, 9338h (*synth*)
Berthold, K. *et al*, *Acta Endocrinol. (Copenhagen)*, 1970, **63**, 431 (*pharmacol*)
Berthold, K. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1510 (*pharmacol*)

Isoprenaline, BAN, INN **I-00198**

4-[1-Hydroxy-2-[(1-methylethyl)amino]ethyl]-1,2-benzenediol, 9CI. 3,4-Dihydroxy-α-[(isopropylamino)-methyl]benzyl alcohol, 8CI. α-(Isopropylaminomethyl)-protocatechyl alcohol. Isoproterenol. Isadrine. Aleudrine. Isopropydrin. Isopropylnorepinephrine. Numerous proprietary names

[7683-59-2]



(R)-form

$C_{11}H_{17}NO_3$ M 211.260

Various forms have numerous synonyms.

▷DO1750000.

(R)-form [51-31-0]

Levisoprenaline, INN

β-Adrenergic agent, sympathomimetic and bronchodilator. Mp 164-165°. $[\alpha]_D^{19}$ −45.0° (c, 2 in 2M HCl).

▷DO1750010.

B,HCl: [5984-95-2]. Mp 162-164° dec. $[\alpha]_D^{20}$ −50°.

▷DO1926000.

Tartrate: Isolevin. Mp 80-83°. $[\alpha]_D^{19}$ −14.9°.

(±)-form [149-53-1]

β-Adrenergic and sympathomimetic agent. Bronchodilator. Mp 155.5°. pK_a 8.64.

▷DO1750020.

B,HCl: [51-30-9]. *Isoproterenol hydrochloride, USAN. Aerotrol. Mistaprel.* Insol. $CHCl_3$, Et_2O, C_6H_6. Mp 170-171°. Soln. turns brown on exposure to air. Component of Nebair.

▷DO1925000.

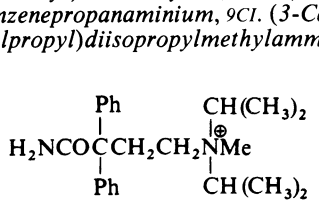
B,H_2SO_4: [6700-39-6]. *Isoproterenol sulfate, USAN. Isomist. Aludrin.* Cryst. + $2H_2O$ (Me_2CO/MeOH). Insol. $CHCl_3$, Et_2O, C_6H_6. Mp 128°.

Beccari, E. *et al, Science*, 1953, **118**, 249 (*resoln*)
B.P., 787 382, (*1957*); *CA*, **52**, 10179i (*synth*)
Pratesi, P. *et al, Farmaco, Ed. Sci.*, 1960, **15**, 3 (*abs config*)
Payne, K.R., *Ind. Chem.*, 1961, **37**, 523 (*synth*)
Drost, R.H. *et al, Pharm. Weekbl.*, 1967, **102**, 1379 (*uv*)
Brittain, R.T. *et al, Adv. Drug Res.*, 1970, **5**, 197 (*rev, pharmacol*)
Riggin, R.M. *et al, Anal. Lett.*, 1974, **7**, 791 (*chromatog*)
Pasaribu, S.J. *et al, Aust. J. Chem.*, 1978, **31**, 2629 (*cmr*)
Konzett, H., *Trends Pharmacol. Sci.*, 1981, **2**, 47 (*rev*)
Tariq, M. *et al, Anal. Profiles Drug Subst.*, 1985, **14**, 391 (*rev, synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2126, 2127 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2074, 2075.

Isopropamide(1+) **I-00199**

γ-(Aminocarbonyl)-N-methyl-N,N-bis(1-methylethyl)-γ-phenylbenzenepropanaminium, 9CI. (3-Carbamoyl-3,3-diphenylpropyl)diisopropylmethylammonium

[7492-32-2]



$C_{23}H_{33}N_2O$ M 353.527

Parasympatholytic and anticholinergic agent. Antispasmolytic and antisecretory drug.

▷BP0690000.

Iodide: [71-81-8]. *Isopropamide iodide, BAN, INN. Darbid. Dipramid. Embamide. Isamid. Marygin* M. *Piaccamide. Priamide. Priazimide. Raspon. Sanulcin. Tyrimide.*

$C_{23}H_{33}IN_2O$ M 480.431

Cryst. or powder. Sol. hot H_2O, MeOH, $CHCl_3$, prac. insol. Et_2O. Mp 198-201° dec.

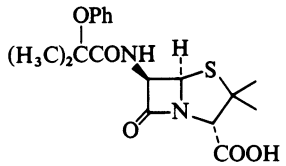
▷BP0693200.

Janssen, P. *et al, Arch. Int. Pharmacodyn.*, 1955, **103**, 82 (*synth*)
Santoro, R.S. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 315; 1983, **12**, 721 (*revs*)
Datta, N. *et al, J. Chem. Soc., Perkin Trans. 2*, 1977, 781 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 387.

Isopropicillin, INN **I-00200**

α-Phenoxyisopropylpenicillin. Lilly 33332

[4780-24-9]



$C_{18}H_{22}N_2O_5S$ M 378.442

Semisynthetic.

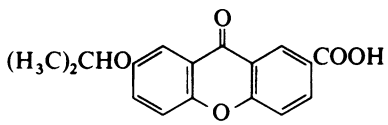
K salt: [2052-36-0]. $[\alpha]_D^{25}$ +147°.

Gourevitch, A. *et al, Proc. Soc. Exptl. Biol. Med.*, 1961, **107**, 455 (*props*)
B.P., 952 092, (*1964*); *CA*, **61**, 13315 (*synth*)
Glombitza, K.W., *Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)

7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, 8CI **I-00201**

7-(1-Methylethoxy)-9-oxo-9H-xanthene-2-carboxylic acid, 9CI. ***Xanoxic acid, INN.*** *RS 7540*

[33459-27-7]



$C_{17}H_{14}O_5$ M 298.295

Antihistamine, bronchodilator. Mp 263-265°.

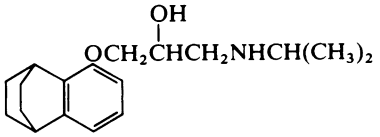
Na salt: [41147-04-0]. *Xanoxate sodium, USAN. RS 6818.* Mp >300°.

Pfister, J.R. *et al, J. Med. Chem.*, 1972, **15**, 1032 (*synth, pharmacol*)

1-(Isopropylamino)-3-(1,4-ethano-1,2,3,4-tetrahydro-5-naphthyloxy)-2-propanol **I-00202**

1-[(1-Methylethyl)amino]-3-[(1,2,3,4-tetrahydro-1,4-ethanonaphthalen-5-yl)oxy]-2-propanol, 9CI

[32386-39-3]



$C_{18}H_{27}NO_2$ M 289.417

(±)-*form*

β-Adrenergic blocker. Cryst. (cyclohexane). Mp 102-103°.

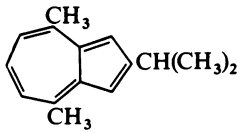
B,HCl: [36804-75-8]. *K 4423.* Mp 130-132°.

Ger. Pat., 2 037 319, (*1971*); *CA*, **75**, 35529 (*synth, pharmacol*)
Bergamaschi, M. *et al*, *Boll. Chim. Farm.*, 1972, **111**, 667 (*pharmacol*)
Vecchietti, V. *et al*, *Eur. J. Med. Chem.*, 1974, **9**, 501 (*synth, props*)

2-Isopropyl-4,8-dimethylazulene I-00203

4,8-Dimethyl-2-(1-methylethyl)azulene, 9CI. ***Vetivazulene.*** *Azulenol*

[529-08-8]



$C_{15}H_{18}$ M 198.307

Isol. from essential oils of conifers. Antiinflammatory agent. Purple oil. Bp_1 120-122°.

Jung, F. *et al*, *Klin. Wochenschr.*, 1949, **27**, 511 (*pharmacol*)
Hafner, K., *Justus Liebigs Ann. Chem.*, 1957, **606**, 90 (*synth*)
Bellesia, F. *et al*, *J. Chem. Soc., Chem. Commun.*, 1976, 34.
Harre, M. *et al*, *Chem. Ber.*, 1982, **115**, 1437 (*synth*)

7-Isopropyl-1,4-dimethylazulene I-00204

1,4-Dimethyl-7-(1-methylethyl)azulene, 9CI. Guaiazulene. S-*Guaiazulene. Azulon. Other proprietary names*

[489-84-9]

$C_{15}H_{18}$ M 198.307

Obt. from essential oils, e.g. chamomile oil. Found also in marine red algae and the gorgonian *Euplexaura erecta.* Used to treat gastrointestinal disorders. Blue-violet plates (EtOH) or blue oil. Mp 31.5°. Bp_{12} 167-168°. λ_{max} 556, 581, 603, 632 and 662 nm (Et_2O).

▷CO4790000.

1,3,5-Trinitrobenzene complex: [4968-29-0]. Black needles (EtOH). Mp 151-151.5°.

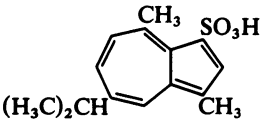
Picrate: Black needles (EtOH). Mp 122-122.5°.

Plattner, P.A. *et al*, *Helv. Chim. Acta*, 1949, **32**, 2137, 2452 (*synth*)
Šorm, F. *et al*, *Collect. Czech. Chem. Commun.*, 1951, **16**, 168, 626 (*isol, synth*)
Caujolle, F. *et al*, *Ann. Pharm. Fr.*, 1952, **10**, 412 (*pharmacol*)
Herz, A., *Arzneim.-Forsch.*, 1953, **3**, 253 (*pharmacol*)
Jacob, T.M. *et al*, *Tetrahedron*, 1964, **20**, 2821 (*uv, synth*)
Hoffmann, W. *et al*, *Tetrahedron Lett.*, 1975, 533 (*synth*)
Llinas, J.R. *et al*, *Can. J. Chem.*, 1975, **53**, 2911 (*pmr, cmr*)
Mukherjee, D. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 251 (*synth*)
Fusetani, N. *et al*, *Experientia*, 1981, **37**, 680 (*isol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3586 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1611.

5-Isopropyl-3,8-dimethyl-1-azulenesulfonic acid, 8CI I-00205

Gualenic acid

[16915-32-5]



$C_{15}H_{18}O_3S$ M 278.365

Antiinflammatory agent, analgesic, used as Na salt.

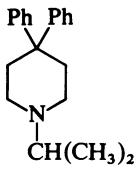
Na salt: [6223-35-4]. *Azlene. Azumach. Azuphonate. Mazulenin. Sodium gualenate, INN.* Mp 98°.

Treibs, W. *et al*, *Justus Liebigs Ann. Chem.*, 1954, **586**, 202 (*synth*)
Meier, W. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1929 (*nmr, uv*)

1-Isopropyl-4,4-diphenylpiperidine I-00206

1-(1-Methylethyl)-4,4-diphenylpiperidine, 9CI. ***Prodipine, INN.*** *Anthen*

[31314-38-2]



$C_{20}H_{25}N$ M 279.424

Antiparkinsonian agent. Yellow oil. $Bp_{0.01}$ 117-125°.

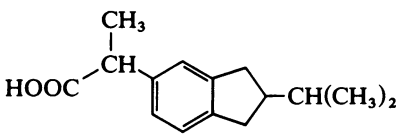
B,HCl: Cryst. (2-propanol). Mp 267°.

Ger. Pat., 1 936 452, (*1971*); *CA*, **74**, 99892e (*synth, pharmacol*)
Planz, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 281 (*pharmacol*)
Schaefer, H. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 233 (*synth, props, pharmacol*)

2-(2-Isopropyl-5-indanyl)propanoic acid I-00207

2,3-Dihydro-α-methyl-2-(1-methylethyl)-1H-indene-5-acetic acid, 9CI. 2-Isopropyl-α-methyl-5-indanacetic acid. ***Isoprofen, INN.*** *UP 517-03*

[57144-56-6]



$C_{15}H_{20}O_2$ M 232.322

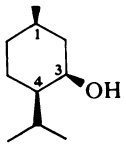
Analgesic, antipyretic, antiinflammatory agent. Cryst. (*n*-hexane). Mp 90-91.5°.

Ger. Pat., 2 606 789, (*1976*); *CA*, **85**, 159759f (*synth, pharmacol*)
Hertz, F. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1549 (*pharmacol*)

2-Isopropyl-5-methylcyclohexanol I-00208

3-p-Menthanol

[1490-04-6]



(*1R,3R,4R*)-*form*

$C_{10}H_{20}O$ M 156.267

Found in many essential oils.

▷Irritant, allergen

(***1R,3R,4R*)-form** [20752-34-5]

(+)-*Neoisomenthol*

Oil. Mp −8°. Bp 214.6°. $[\alpha]_D^{18}$ +3.8° (c, 6 in EtOH).

(***1R,3R,4S*)-form** [2216-51-5]

(−)-*Menthol*

Present in large amts. in peppermint oil. Used in confectionery, perfumery, menthol cigarettes, inhalers, etc. Mild local anaesthetic, analgesic, antipruritic and internally as a carminative. Cryst. (MeOH). Sl. sol. H_2O, v. sol. org. solvs. Mp 42.5-43°. Bp 216°. $[\alpha]_D^{20}$ −50.0° (c, 2 in $CHCl_3$). Exists in four cryst. modifications; Mp given is the highest. Component of Larylgan.

▷OT0700000.

(***1R,3S,4R*)-form** [23283-97-8]

(+)-*Isomenthol*

Cryst. (MeOH). Mp 82.5°. Bp 218°. $[\alpha]_D^{20}$ +25.9° (c, 1.56 in $CHCl_3$).

(***1R,3S,4S*)-form** [2216-52-6]

(+)-*Neomenthol*

Constit. of Japanese peppermint oil. Oil. Mp −22°. Bp_{14} 83-84°. $[\alpha]_D^{10}$ +18.02° (neat).

(***1S,3R,4R*)-form** [20747-49-3]

(−)-*Neomenthol*

Oil. Bp_{10} 97.6°. $[\alpha]_D^{17}$ −20.7° (EtOH).

(***1S,3R,4S*)-form** [20752-33-4]

(−)-*Isomenthol*

Cryst. (MeOH). Mp 82.5°.

(***1S,3S,4R*)-form**

(+)-*Menthol*

Cryst. (MeOH). Mp 38-40°. $[\alpha]_D$ +48.3° (EtOH).

(***1RS,3RS,4SR*)-form** [15356-20-4]

(±)-*Menthol*

Flavour ingredient. Needles (pet. ether). Mp 34°. Bp 216°.

(***1RS,3SR,4RS*)-form**

(±)-*Isomenthol*

Needles. Mp 53-54°. Bp 218.5-218.6°.

(***1RS,3SR,4SR*)-form**

(±)-*Neomenthol*

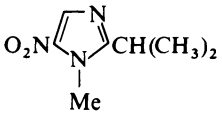
Plates (pet. ether). Mp 51°. Bp_{163} 212°.

Hashimoto, A. *et al*, *Agric. Biol. Chem.*, 1970, **34**, 1843 (*synth, isomenthol*)
Oritani, T. *et al*, *Agric. Biol. Chem.*, 1973, **37**, 1695 (*synth, neoisomenthol*)
Leffingwell, J.C. *et al*, *Cosmet. Perfum.*, 1974, **89**, 69 (*rev*)
Yamaguchi, S. *et al*, *Tetrahedron Lett.*, 1977, 89 (*abs config*)
Nakatani, Y. *et al*, *Synthesis*, 1978, 147 (*synth*)
Dauzonne, D. *et al*, *Org. Magn. Reson.*, 1981, **17**, 18 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 266.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 791.

2-Isopropyl-1-methyl-5-nitroimidazole, 8CI I-00209

1-Methyl-2-(1-methylethyl)-5-nitro-1H-imidazole, 9CI. ***Ipronidazole, BAN, USAN, INN.*** *Gastrogal. Iprogal 15. Ipropran. Nidapryl. M. and B. 16905. NSC 109212. Ro 7-1554*

[14885-29-1]



$C_7H_{11}N_3O_2$ M 169.183

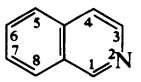
Vet. antiprotozoal agent. Plates. Mp 62-63°.

▷NI6450000.

Bulter, K. *et al*, *J. Med. Chem.*, 1967, **10**, 891 (*synth, pharmacol*)
Weiss, G. *et al*, *Xenobiotica*, 1981, **11**, 207 (*metab*)
McKillop, A. *et al*, *Tetrahedron*, 1983, **39**, 3797 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12863.

Isoquinoline I-00210

[119-65-3]



C_9H_7N M 129.161

Isol. from the upper parts of *Spigelia anthelmia* (Spigeliaceae). Hygroscopic cryst. or oil. d_4^{20} 1.10. Mp 24.6°. Bp 242°, Bp_{40} 142°.

▷Mod. toxic by skin absorption. NW6825000.

Picrate: Mp 226°.

B,MeI: Cryst. $+1H_2O$ (H_2O). Mp 159°.

B,EtI: Mp 148°.

B, $CH_3(CH_2)_{11}Br$: [93-23-2]. *Laurylisoquinolinium bromide, INN. Isothan Q5.*

$C_{21}H_{32}BrN$ M 378.395

Antiinfective agent.

▷NX5250000.

B,$PhCH_2I$: Mp 175-176°.

Oxide: [1532-72-5].

C_9H_7NO M 145.160

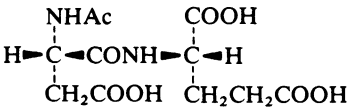
Oil, cryst. on cooling ($+2H_2O$). Sol. H_2O, EtOH. Mp 98°.

Oxide; B,HCl: Needles (EtOH). Mp 180-181°.

Meisenheimer, J., *Ber.*, 1926, **59**, 1848 (*oxide*)
Manske, R.H.F., *Chem. Rev.*, 1942, **30**, 145 (*rev*)
Narasimhan, N.S. *et al*, *Chem. Ind. (London)*, 1967, 120 (*synth*)
Gansow, O.A. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 4250 (*pmr*)
Johns, S.A. *et al*, *Aust J. Chem.*, 1976, **29**, 1617 (*cmr*)
Dyke, S.F. *et al*, *Chem. Heterocycl. Compd.*, 1981, **38**, 1 (*rev*)
Kametani, T. *et al*, *Chem. Heterocycl. Compd.*, 1981, **38**, 139 (*rev*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1982, **19**, 499 (*rev*)
Wagner, H. *et al*, *Planta Med.*, 1986, 378 (*isol, uv, pmr, ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1669.

Isospaglumic acid, INN I-00211

N-(N-*Acetyl-α-aspartyl*)*glutamic acid, 9CI. Spaglumic acid. Spagluminic acid*



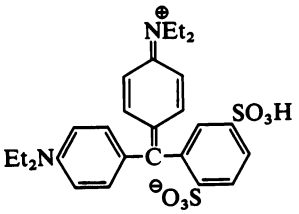
(*S,S*)-*form*

$C_{11}H_{16}N_2O_8$ M 304.256

(S,S)-form [3106-85-2]
L-L-form. Naaxia
Antiallergic agent. Cryst. (Me_2CO). Mp 171-173°. $[\alpha]_D^{25}$ −27.5° (c, 2 in H_2O).

Marchetti, E. *et al*, *Experientia*, 1965, **21**, 687 (*synth, struct*)
Ger. Pat., 2 500 802, (*1975*); *CA*, **83**, 179624 (*salts*)
Lenda, K., *J. Liq. Chromatogr.*, 1981, **4**, 863 (*hplc*)
Fr. Pat., 2 546 407, (*1984*); *CA*, **103**, 27299 (*pharmacol*)
Kleine, M.W., *Allergologie*, 1986, **9**, 330 (*rev*)
Lannom, H.K. *et al*, *Int. J. Pept. Protein Res.*, 1986, **28**, 67 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2547.

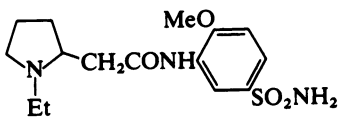
Isosulfan Blue, USAN **I-00212**
N-[*4*-[[*4*-(*Diethylamino*)*phenyl*](*2,5-disulfophenyl*)-*methylene*]-*2,5-cyclohexadien-1-ylidene*]-N-*ethylethanaminium. Lymphazurin. P 1888. P 4125*
[68238-36-8]



$C_{27}H_{32}N_2NaO_6S_2$ M 567.669
Diagnostic aid (lymphangiography). Dye.

Engeset, A. *et al*, *Lancet*, 1962, **1**, 1382 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2150.

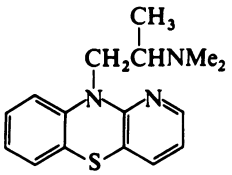
Isosulpride, INN **I-00213**
N-[*5*-(*Aminosulfonyl*)-*2-methoxyphenyl*]-*1-ethyl-2-pyrrolidineacetamide*, *9CI. 1-Ethyl-5'-sulfamoyl-2-pyrrolidineacet*-o-*anisidide. (2-Methoxy-5-sulfamoyl*)(*1-ethyl-2-pyrrolidinyl*)*acetanilide*
[42792-26-7]



$C_{15}H_{23}N_3O_4S$ M 341.424
(±)-*form*
Antiemetic agent. Cryst. (EtOH). Mp 174°.

Ger. Pat., 2 301 120, (*1973*); *CA*, **79**, 91995y (*synth, pharmacol*)

Isothipendyl, BAN, INN **I-00214**
N,N,α-*Trimethyl-10*H-*pyrido*[*2,3*-b][*1,4*]-*benzothiazine-10-ethanamine*, *9CI. 9-(2-Dimethylaminopropyl)-10-thia-1,9-diazaanthracene. Andantol. Udantol. Other proprietary names*
[482-15-5]

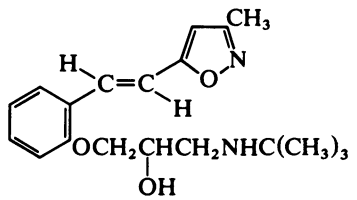


$C_{16}H_{19}N_3S$ M 285.406
▷UU8571000.
(±)-*form*
Antihistamine drug.

B,HCl: [1225-60-1]. *Nilergex. Theruhistin.* Cryst. (MeCN). Sol. H_2O. Mp 222-223°.
▷UU8568000.

Schlichtegroll, A., *Arzneim.-Forsch.*, 1958, **8**, 489 (*pharmacol*)
Yale, H.L. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1651 (*synth*)
Patra, A. *et al*, *J. Indian Chem. Soc.*, 1982, **59**, 660 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4031.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6140.

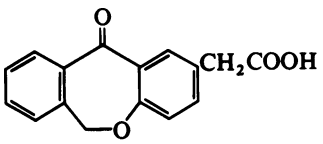
Isoxaprolol, INN **I-00215**
1-[(*1,1-Dimethylethyl*)*amino*]-*3*-[*2*-[*2*-(*3-methyl-5-isoxazolyl*)*ethenyl*]*phenoxy*]-*2-propanol*, *9CI. 1*-(tert-*Butylamino*)-*3*-[o-[*2*-(*3-methyl-5-isoxazolyl*)*vinyl*]-*phenoxy*]-*2-propanol. LU 27937*



$C_{19}H_{26}N_2O_3$ M 330.426
(*E*)-(±)-*form* [75949-60-9]
Antiarrhythmic drug. Cryst. + $\frac{1}{2}H_2O$. Mp 83-85°.

Ger. Pat., 2 818 998, (*1979*); *CA*, **92**, 94381z (*synth, pharmacol*)

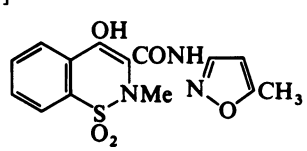
Isoxepac, BAN, INN, USAN **I-00216**
6,11-Dihydro-11-oxodibenz[b,e]*oxepin-2-acetic acid*, *9CI. Artil. HP 549. P 720549*
[55453-87-7]



$C_{16}H_{12}O_4$ M 268.268
Antiinflammatory drug. Mp 131-132.5°.
▷HQ4110000.

Ueno, K. *et al*, *J. Med. Chem.*, 1976, **19**, 941 (*synth, pharmacol*)
Aultz, D.E. *et al*, *J. Med. Chem.*, 1977, **20**, 66, 1499 (*synth, pharmacol*)
Lassman, H.B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1977, **227**, 142 (*pharmacol*)
Illing, H.P.A. *et al*, *Drug. Metab. Dispos.*, 1978, **6**, 510 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12872.

Isoxicam, BAN, INN, USAN **I-00217**
4-Hydroxy-2-methyl-N-(*5-methyl-3-isoxazolyl*)-*2*H-*1,2-benzothiazine-3-carboxamide 1,1-dioxide*, *9CI. Floxicam. Maxicam. Pacyl. Vectren. Xicane. W 8495*
[34552-84-6]



$C_{14}H_{13}N_3O_5S$ M 335.334
Antiinflammatory drug. Cryst. (1,4-dioxan). Mp 265-271° dec.

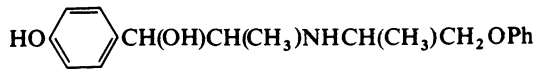
Na salt: Cryst. (EtOH). Mp 270-272° dec.

DiPasquale, G. *et al*, *Agents Actions*, 1975, **5**, 256 (*pharmacol*)
Yakatan, G.J., *Semin. Arthritis Rheum.*, 1982, **12**, Suppl. 2, 153 (*rev*)
Zinnes, H. *et al*, *J. Med. Chem.*, 1982, **25**, 12 (*synth, pharmacol*)
DiPasquale, G., *Med. Actual.*, 1983, **19**, 119 (*rev*)
Borondy, P.E. *et al*, *Drug Metab. Dispos.*, 1984, **12**, 444 (*metab*)
Dalla Croce, P. *et al*, *J. Chem. Res. (S)*, 1986, 150 (*synth*)
Svoboda, J. *et al*, *Collect. Czech. Chem. Commun.*, 1986, **51**, 1133 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12873.

Isoxsuprine, BAN, INN **I-00218**

4-Hydroxy-α-[1-[(1-methyl-2-phenoxyethyl)amino]-ethyl]benzenemethanol, 9CI. Numerous proprietary names

[395-28-8]



$C_{18}H_{23}NO_3$ M 301.385

β-Adrenergic agent, vasodilator. Mp 102.5-103.5°. Used mainly as hydrochloride.

▷DO8050000.

B,HCl: [579-56-6]. *Isoxsuprine hydrochloride, USAN. Vasotran. Duvadilan.* Sol. H_2O, insol. $CHCl_3$, Et_2O. Mp 201-208°.

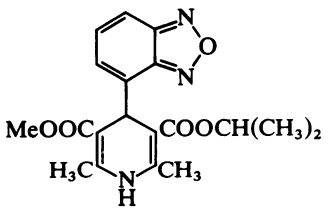
▷DO8225000.

Moed, H.D. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1956, **75**, 1215; 1965, **84**, 521 (*synth, pharmacol*)
Data, P.G. *et al*, *Farmaco, Ed. Sci.*, 1973, **28**, 611 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4903 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9246.

Isradipine, BAN, INN **I-00219**

4-(4-Benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid methyl 1-methylethyl ester, 9CI. Isrodipine. PN 200-110

[75695-93-1]



$C_{19}H_{21}N_3O_5$ M 371.392

Stereoisomers have been resolved.

(±)-form [88977-22-4]

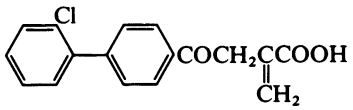
Calcium channel antagonist. Coronary and peripheral vasodilator. Mp 131-153°.

Ger. Pat., 2 949 491, (*1980*); *CA*, **93**, 239420 (*synth*)
Ger. Pat., 3 320 616, (*1983*); *CA*, **101**, 7162 (*isomers*)
Heider, J.G. *et al*, *Transplant. Proc.*, 1987, **19**, 96 (*rev*)
Tse, F.L.S. *et al*, *Eur. J. Clin. Pharmacol.*, 1987, **32**, 361 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19367.

Itanoxone, INN **I-00220**

2'-Chloro-α-methylene-γ-oxo-[1,1'-biphenyl]-4-butanoic acid, 9CI. 4-[4-(2-Chlorophenyl)phenyl]-2-methylene-4-oxo-butyric acid. 2-[p-(o-Chlorophenyl)-phenacyl]acrylic acid. F1379

[58182-63-1]



$C_{17}H_{13}ClO_3$ M 300.741

Antilipidaemic, hypouricaemic agent. Cryst. Mp 200°.

Ger. Pat., 2 513 157, (*1975*); *CA*, **84**, 58936k (*synth, pharmacol*)
Rieu, J.P. *et al*, *J. Pharm. Sci.*, 1980, **69**, 49 (*synth*)
Cousse, H. *et al*, *J. Pharm. Sci.*, 1981, **70**, 1245 (*props*)
Roques, R. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 457 (*cryst struct*)
Crasnier, F. *et al*, *Theochem.*, 1983, **14**, 175 (*conformn*)
Crawley, F.E. *et al*, *Eur. J. Drug Metab. Pharmacokinet*, 1983, **8**, 287 (*pharmacol, metab*)

Itazigrel, INN, USAN **I-00221**

4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)thiazole, 9CI. Itazogrel. U 53059

[70529-35-0]



$C_{18}H_{14}F_3NO_2S$ M 365.369

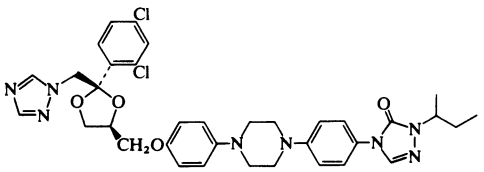
Antithrombotic, platelet aggregation inhibitor. Cryst. (pentane). Mp 51-54°.

Rynbrandt, R.H. *et al*, *J. Med. Chem.*, 1981, **24**, 1507 (*synth, pharmacol*)
Linet, O.I. *et al*, *Drugs Exp. Clin. Res.*, 1984, **10**, 263 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1339.

Itraconazole, BAN, INN, USAN **I-00222**

Oriconazole. R 51211

[84625-61-6]



$C_{35}H_{38}Cl_2N_8O_4$ M 705.642

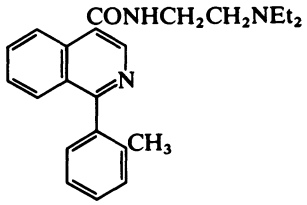
Antifungal agent. Cryst. (toluene). Mp 166.2°.

Heeres, J. *et al*, *J. Med. Chem.*, 1984, **27**, 894 (*synth, pharmacol*)
Cauwenbergh, G. *et al*, *Drug Dev. Res.*, 1986, **8**, 317 (*rev*)
Van Cauteren, H. *et al*, *Rev. Infect. Dis.*, 1987, **9**, 543 (*rev*)
Mullen, G.B. *et al*, *Helv. Chim. Acta*, 1988, **71**, 718 (*bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18657.

Itrocainide, INN **I-00223**

N-[*2-(Diethylamino)ethyl*]-*1-(2-methylphenyl)-4-isoquinolinecarboxamide*, *9CI*

[90828-99-2]



$C_{23}H_{27}N_3O$ M 361.486

Antiarrhythmic drug.

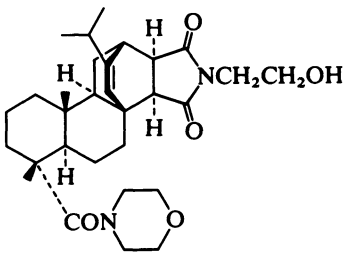
B,HCl: [90829-00-8]. Cryst. (Me_2CO). Mp 175-177°.

Ger. Pat., 3 233 424, (*1984*); *CA*, **101**, 38362m (*synth, pharmacol*)

Ivarimod, INN **I-00224**

4-[[Hexadecahydro-2-(2-hydroxyethyl)-6,9a-dimethyl-12-(1-methylethyl)-1,3-dioxo-3b,11-etheno-3bH-naphth[2,1-e]isoindol-6-yl]carbonyl]morpholine, *9CI*. N-(*2-Hydroxyethyl*)*maleopimarimidyl morpholide*. *RU 18492*

[53003-81-9]



$C_{30}H_{44}N_2O_5$ M 512.688

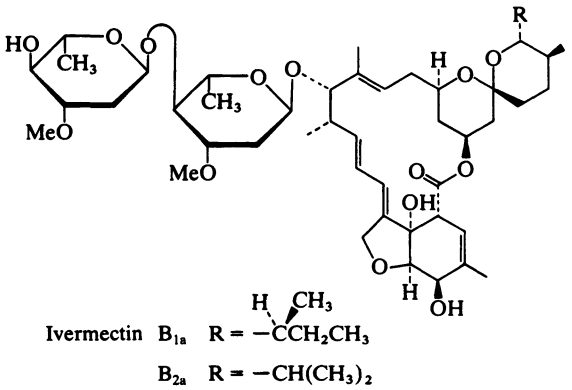
Hepatoprotectant. Cryst. (MeOH aq.). Mp 199-202°.

Danswan, G.W. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 2190, 2193, 2197 (*synth, pharmacol*)

Ivermectin, BAN, INN, USAN **I-00225**

Eqvalan. Hyvermectin. Ivomec. MK 933

[70288-86-7]



Ivermectin B_{1a} R = $-\overset{H}{\underset{CH_3}{C}}CH_2CH_3$

B_{2a} R = $-CH(CH_3)_2$

Macrolide antibiotic. Semisynthetic. Broad spectrum antiparasitic agent. A mixt. of invermectin components B_{1a} and B_{1b}.

▷IH7891500.

Ivermectin B$_{1a}$ [71827-03-7]

$C_{48}H_{74}O_{15}$ M 891.104

Not separately characterised.

Ivermectin B$_{1b}$ [70209-81-3]

$C_{47}H_{72}O_{15}$ M 877.077

Not separately characterised.

Chabala, J.C. *et al*, *J. Med. Chem.*, 1980, **23**, 1134 (*synth, props*)

U.S.P., 4 199 569, (*1980*); *CA*, **93**, 130559 (*synth*)

Campbell, W.C. *et al*, *Science* (*Washington*), 1983, **221**, 823 (*rev, pharmacol*)

Calcott, P.H. *et al*, *J. Antibiot.*, 1984, **37**, 253 (*props*)

Koch, H., *Pharm. Int.*, 1984, **5**, 55 (*rev*)

Fink, D.W., *Anal. Profiles Drug Subst.*, 1988, **17**, 155 (*rev*)

Baker, R. *et al*, *Chem. Br.*, 1989, **25**, 692 (*rev*)

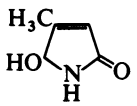
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12874.

J

Jatropham **J-00001**

1,5-Dihydro-5-hydroxy-4-methyl-2H-pyrrol-2-one, 9CI.
5-Hydroxy-4-methyl-3-pyrrolin-2-one

[50656-76-3]



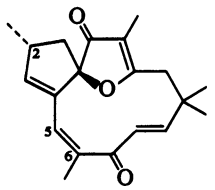
$C_5H_7NO_2$ M 113.116

Antitumour agent from *Jatropha macrorhiza*. Cryst. (MeCN). Mp 131-132°. $[\alpha]_{540}^{25}$ −62°.

Wiedhopf, R.M. *et al*, *J. Pharm. Sci.*, 1973, **62**, 1206 (*isol, ir, ms, pmr, uv*)

Jatrophone **J-00002**

[29444-03-9]



$C_{20}H_{24}O_3$ M 312.408

Isol. from *Jatropha gossypiifolia*. Tumour inhibitor, active in antileukaemia tests. Needles (hexane). Mp 152-153°. $[\alpha]_D^{24}$ +292° (c, 1.23 in EtOH). λ_{max} 225 sh. and 285 nm (ϵ 10 200) (EtOH).

2β-Hydroxy: [85201-83-8].
$C_{20}H_{24}O_4$ M 328.407
Constit. of roots of *J. gossypifolia*. Shows antitumour props. Gum. $[\alpha]_D^{26}$ +233° (c, 0.83 in $CHCl_3$).

2-Hydroxy, 2-epimer: [85152-62-1]. *2α-Hydroxyjatrophone.*
$C_{20}H_{24}O_4$ M 328.407
From *J. gossypiifolia*. Antitumour agent. Gum. $[\alpha]_D^{25}$ +231.6° (c, 1.5 in $CHCl_3$).

5E-Isomer, 2β-hydroxy: [85201-83-8]. *2β-Hydroxy-5,6-isojatrophone.*
$C_{20}H_{24}O_4$ M 328.407
From *J. gossypiifolia*. Antitumour agent. Cryst. (Et_2O/pet. ether). Mp 218-219°. $[\alpha]_D^{26}$ +314.2° (c, 0.4 in $CHCl_3$).

Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 4476; 1976, **98**, 2295 (*isol, struct*)

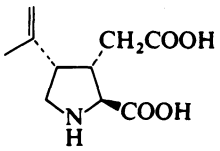
Taylor, M.D. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 3177 (*derivs*)

K

Kainic acid, INN **K-00001**

2-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic acid, 9CI. *3-Carboxymethyl-4-isopropenylproline. α-Kaininic acid. Digenic acid. Digenin*

[487-79-6]



$C_{10}H_{15}NO_4$ M 213.233

Constit. of red algae *Digenea simplex* and *Centroceras clavulatum*. Neurotoxin, anthelmintic agent. Cryst. + $1H_2O$ (EtOH aq.). Mp 253-254° dec. $[\alpha]_D^{24}$ −14.8° (c, 1 in H_2O).

▷Highly neurotoxic

N-*Ac:* [59845-92-0]. Mp 161-162°. $[\alpha]_D$ −53° (H_2O).

Di-Me ester: [4071-37-8]. Bp_4 145°. $[\alpha]_D^{20}$ +23°.

4-Epimer: [4071-39-0]. ***α-Allokainic acid***. *α-Allokainic acid.*

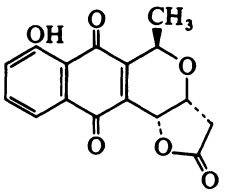
$C_{10}H_{15}NO_4$ M 213.233

Constit. of *D. simplex*. Mp 238-242° dec. $[\alpha]_D^{20}$ +7.7° (c, 1.3 in H_2O).

Nitta, I. *et al, Nature (London)*, 1958, **181**, 761 (*struct*)
Impellizzeri, G. *et al, Phytochemistry*, 1975, **14**, 1549 (*isol*)
McGeer, E.G. *et al*, Eds., *Kainic Acid as a Tool in Neurobiology*, Raven Press, N.Y., 1978 (*book*)
Oppolzer, W. *et al, Tetrahedron Lett.*, 1978, 3397.
Nadler, J.V., *Life Sci.*, 1979, **24**, 289 (*rev, props*)
Oppolzer, W. *et al, Helv. Chim. Acta*, 1979, **62**, 2282 (*synth, bibl*)
Kraus, G.A. *et al, Tetrahedron Lett.*, 1983, **24**, 3427 (*synth*)
DeShong, P. *et al, Tetrahedron Lett.*, 1986, **27**, 3979 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 785.

Kalafungin, INN, USAN **K-00002**

3,3a,5,11b-Tetrahydro-7-hydroxy-5-methyl-2H-furo[3,2-b]naphtho[2,3-d]pyran-2,6,11-trione, 9CI



(+)-*form*
Absolute configuration

$C_{16}H_{12}O_6$ M 300.267

Naphthoquinone-type antibiotic.

(+)-*form* [11048-15-0]

Kalamycin. NSC 137443. U 19718. Antibiotic U 19718

Metab. of *Streptomyces tanashiensis*. Active against gram-positive bacteria and fungi. Orange cryst. Mp 163-166°. $[\alpha]_D^{25}$ +159° ($CHCl_3$).

(−)-*form* [60325-08-8]

***Nanaomycin* D**

Isol. from *Streptomyces rosa* var. *notoensis*. Active against gram-positive bacteria, fungi and mycoplasma. Orange powder. Mp 170-173°. $[\alpha]_D^{20}$ −278° (c, 0.44 in MeOH).

Bergy, M.E. *et al, J. Antibiot.*, 1968, **21**, 454 (*isol*)
Zeeck, A. *et al, Justus Liebigs Ann. Chem.*, 1974, 1100.
Hoeksema, H. *et al, J. Antibiot.*, 1976, **29**, 704 (*abs config*)
Omura, S. *et al, J. Chem. Soc., Chem. Commun.*, 1976, 320 (*isol, struct*)
Li, T.-T. *et al, J. Am. Chem. Soc.*, 1978, **100**, 6263 (*synth*)
Ichihara, A. *et al, Tetrahedron Lett.*, 1980, **21**, 4469 (*synth*)
Kitao, C. *et al, J. Antibiot.*, 1980, **33**, 711 (*biosynth*)
Tanaka, H. *et al, J. Antibiot.*, 1982, **35**, 1565 (*biosynth*)
Kraus, G.A. *et al, J. Org. Chem.*, 1983, **48**, 3439 (*synth*)
Tatsuta, K. *et al, Bull. Chem. Soc. Jpn.*, 1985, **58**, 1699; *J. Antibiot.*, 1985, **38**, 680 (*synth*)

Kallikrein, 9CI **K-00003**

Kallidinogenase, *BAN, INN,* ***JAN***. *Callicrein. Circuletin. Depot-Glumorin. Diminal. Glumorin. Onokrein* P. *Padreatin. Padutin. Prokrein*

[9001-01-8]

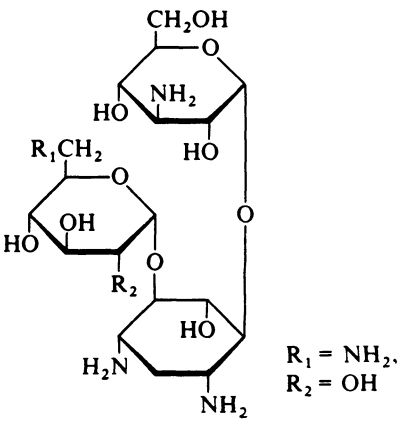
Isol. from blood plasma, glandular tissues and urine. Occurs abundantly in the pancreas, parotid and submaxillary glands and in the intestinal wall. Vasodilator. Enzyme which releases kinins from plasma proteins.

Nustad, K. *et al, Gen. Pharmacol.*, 1978, **9**, 1 (*rev*)
Obika, L.F.O., *Life Sci.*, 1978, **23**, 765 (*rev*)
Erdos, E.G., Ed., *Handb. Exp. Pharmacol.*, 1979, **25**, Suppl. (*book*)
Schachter, M., *Pharmacol. Rev.*, 1979, **31** (*rev*)
Fritz, H. *et al, Adv. Exp. Med. Biol.*, 1983, **156A**, 1, 13, 29 (*revs*)
Haberlund, G.L. *et al*, Eds., *Kininogenases: Physiological Properties and Pharmacol. Rationale-Exp. Studies*, Schattauer, Stuttgart, 1986 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9248.

Kanamycin *A*, 8CI **K-00004**

4-O-(6-Amino-6-deoxy-α-D-glucopyranosyl)-6-O-(3-amino-3-deoxy-α-D-glucopyranosyl)-2-deoxystreptamine, 9CI. *Numerous proprietary names*

[59-01-8]



$R_1 = NH_2$,
$R_2 = OH$

$C_{18}H_{36}N_4O_{11}$ M 484.503

Aminoglycoside antibiotic. Isol. from *Streptomyces kanamyceticus*. Broad spectrum clinically used antibiotic. Cryst. (EtOH).

▷WK1962000.

B,H2SO4: [25389-94-0]. Cryst. Mp >250° dec. $[\alpha]_D^{24}$ +149° (c, 0.87 in H_2O).

▷NZ3225030.

Tetra-N-Ac: Mp >240°. $[\alpha]_D^{25}$ +115° (c, 0.52 in H_2O).

5-Deoxy: [62819-32-3]. ***5-Deoxykanamycin* A**.
$C_{18}H_{36}N_4O_{10}$ M 468.503
Isol. from *S. kanamyceticus*. Active against gram-positive and -negative bacteria. Mp 250-255° dec. (dec. from 160°). $[\alpha]_D^{25}$ +101.8° (c, 0.33 in H_2O). Lacks the OH group in the cyclitol ring.

▷WK1969200.

5-Deoxy; B, $1^1/_2H_2SO_4$: [86540-92-3]. $[\alpha]_D^{25}$ +124° (c, 0.5 in H_2O).

Cron, M.J. *et al, J. Am. Chem. Soc.*, 1958, **80**, 2342 (*isol*)
Hichens, M. *et al, J. Am. Chem. Soc.*, 1963, **85**, 1547 (*abs config*)
Koyama, G. *et al, Tetrahedron Lett.*, 1968, 1875 (*cryst struct, abs config*)
Nakajima, M. *et al, Tetrahedron Lett.*, 1968, 623 (*synth, ir, nmr*)
Umezawa, S. *et al, Bull. Chem. Soc. Jpn.*, 1969, **42**, 533 (*synth, ir*)
Yamaoka, N. *et al, Chem. Pharm. Bull.*, 1974, **22**, 2196 (*cmr*)
Claes, P.J. *et al, Anal. Profiles Drug Subst.*, 1977, **6**, 259 (*rev*)
Japan. Pat., 78 34 988, (*1978*); *CA*, **89**, 127758 (*isol, deriv*)
Kavadias, G. *et al, Can. J. Chem.*, 1978, **56**, 2086 (*synth, pmr, deriv*)
Miyake, T. *et al, Bull. Chem. Soc. Jpn.*, 1983, **56**, 1149 (*synth, pmr, cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5078 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 95, 96.

Kanamycin *B*, 8CI K-00005

Bekanamycin, INN. *Aminodeoxykanamycin, JAN. Nebramycin factor 5. Nebramycin V. Kanendomycin. Other proprietary names*

[4696-76-8]

As Kanamycin *A*, K-00004 with

$$R_1 = R_2 = NH_2$$

$C_{18}H_{37}N_5O_{10}$ M 483.518
Aminoglycoside antibiotic. Prod. by *Streptomyces kanamyceticus*. Shows broad-spectrum activity. Cryst. or cryst. + $2H_2O$. Mp 178-182° dec. $[\alpha]_D^{18}$ +130° (c, 0.5 in H_2O).

▷WK1975000.

N-Ac: [31156-80-6]. ***Antibiotic NK 1013-2***. *N-Acetylkanamycin* B. *NK 1013-2.*
$C_{20}H_{39}N_5O_{11}$ M 525.555
Isol. from *S. kanamyceticus*. Cryst. Mp 229-232° dec. $[\alpha]_D^{24}$ +117° (c, 1 in H_2O). Not clear which nitrogen is acetylated. Another (? the same) *N*-Ac deriv, Mp. 220-250° dec. $[\alpha]_D^{24}$ +150° (H_2O) has been reported.

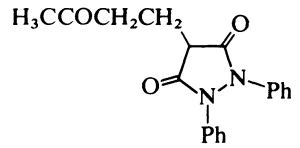
Undeca-Ac: $[\alpha]_D^{24}$ +107.8° (c, 0.49 in MeOH).

Schmitz, H. *et al, J. Am. Chem. Soc.*, 1958, **80**, 2911 (*isol*)
Hichens, M. *et al, J. Am. Chem. Soc.*, 1963, **85**, 1547 (*struct, abs config*)
Umezawa, S. *et al, J. Antibiot., Ser. A*, 1968, **21**, 424 (*synth*)
Umezawa, S. *et al, Bull. Chem. Soc. Jpn.*, 1969, **42**, 537 (*synth, ir*)
Japan. Pat., 70 06 077, (*1970*); *CA*, **73**, 2660 (*isol, deriv*)
Koch, K.F. *et al, J. Antibiot.*, 1973, **26**, 745.
Koch, K.F. *et al, J. Org. Chem.*, 1978, **43**, 1430 (*cmr, pmr, ms*)
Suami, T. *et al, Bull. Chem. Soc. Jpn.*, 1978, **51**, 2354 (*synth, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5085.

Kebuzone, INN K-00006

4-(3-Oxobutyl)-1,2-diphenyl-3,5-pyrazolidinedione, 9CI. Ketophenylbutazone. γ-Oxophenylbutazone. KPB. Chebutan. Ketazone. Neufenil. Numerous proprietary names

[853-34-9]



$C_{19}H_{18}N_2O_3$ M 322.363

▷UQ8540000.

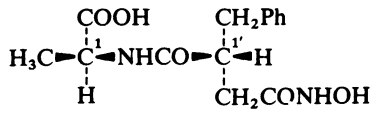
(±)-form

Antirheumatic agent. Mp 115-116.5°.

Sala, J.M. *et al, Chim. Ther.*, 1967, **2**, 272 (*pharmacol, synth*)
Queisnerova, M. *et al, Cesk. Farm.*, 1972, **21**, 325 (*metab*)
Sarsunova, M. *et al, Pharmazie*, 1972, **27**, 447 (*tlc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5155 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2661.

Kelatorphan K-00007

N-[4-(Hydroxyamino)-1,4-dioxo-2-(phenylmethyl)-butyl]-L-alanine, 9CI



(1S,1'R)-form

$C_{14}H_{18}N_2O_5$ M 294.307

(1S,1'R)-form [92175-57-0]

Analgesic (enkephalinase inhibitor).

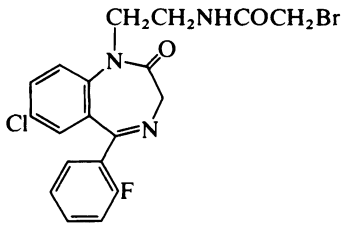
(1S,1'S)-form [92175-64-9]

Fournie-Zaluski, M.-C. *et al, Eur. J. Pharmacol.*, 1984, **102**, 525 (*pharmacol*)
Fournie-Zaluski, M.-C. *et al, J. Med. Chem.*, 1985, **28**, 1158 (*synth, pmr, pharmacol*)
Waksman, G. *et al, Neuropeptides (Edinburgh)*, 1985, **5**, 529 (*pharmacol*)

Kenazepine K-00008

2-Bromo-N-[2-[7-chloro-5-(2-fluorophenyl)-2,3-dihydro-2-oxo-1H-benzodiazepin-1-yl]ethyl]acetamide, 9CI

[75887-99-9]



$C_{19}H_{16}BrClFN_3O_2$ M 452.710

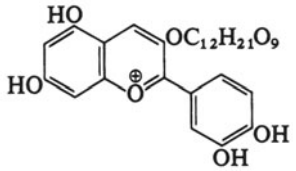
Benzodiazepine receptor binding inhibitor. Cryst. (2-propanol). Mp 169.5-171°.

B,HCl: Mp 222.5-224.5° dec.

Williams, E.F. *et al, J. Neurochem.*, 1980, **35**, 591.
Williams, E.F. *et al, Pharmacol. Biochem. Behav.*, 1981, **14**, 487.

Keracyanin, INN, 8CI **K-00009**

3-O-Rhamnoglucosyloxycyanidin. Ceracyanin. Sambucin. Antirrhinin. Cyanidin 3-rutinoside. Cyaninoside. Meralop. Noctilux. Nyctalux. Prunicyanin



$C_{27}H_{31}O_{15}^{\oplus}$ M 595.533 (ion)

Pigment present in fresh blossoms of *Canna generalis* and *Silene dioica*, as well as in *Prunus* and other spp. Improves vision in humans (for night blindness). Hyd. → Cyanidin + Glucose + Rhamnose.

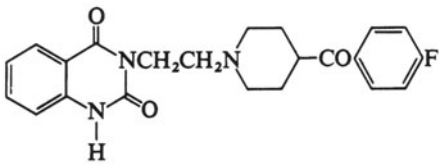
Chloride: [18719-76-1].
$C_{27}H_{31}ClO_{15}$ M 630.986
Cryst. + $3.5H_2O$. Mp 175°.

Hayashi, K. *et al*, *Pharm. Bull.*, 1954, **2**, 41; *CA*, **49**, 10983.
Kamsteeg, J. *et al*, *Z. Naturforsch., C*, 1978, **33**, 475.
De Angelis, L., *Drugs of Today*, 1979, **15**, 395 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12879.

Ketanserin, BAN, USAN, INN **K-00010**

3-[2-[4-(4-Fluorobenzoyl)piperidinyl]ethyl]-quinazoline-2,4-(1H,3H)-dione, 9CI. *Serefrex. Sufrexal. R 41468*

[74050-98-9]



$C_{22}H_{22}FN_3O_3$ M 395.433

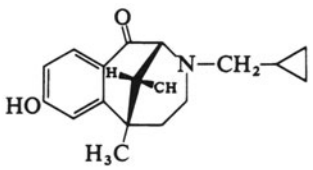
Serotonin antagonist, antihypertensive agent. Mp 227-235°.

Eur. Pat., 13 612, (*1980*); *CA*, **82**, 65718a (*synth, pharmacol*)
Leysen, J.E. *et al*, *Life Sci.*, 1981, **28**, 1015 (*pharmacol*)
Peeters, O.M. *et al*, *Cryst. Struct. Commun.*, 1982, **11**, 375 (*cryst struct*)
Simon, V. *et al*, *J. Chromatogr.*, 1982, **232**, 186 (*hplc*)
Meuldermans, W. *et al*, *Drug Metab. Dispos.*, 1984, **12**, 772 (*metab*)
Van Neuten, J.M. *et al*, *Bibl. Cardiol.*, 1984, **38**, 222 (*rev*)
Amery, A. *et al*, *J. Cardiovasc. Pharmacol.*, 1985, **7** (*Suppl. 7*), 176 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12881.

Ketazocine, USAN, INN **K-00011**

3-(Cyclopropylmethyl)-3,4,5,6-tetrahydro-8-hydroxy-6,11-dimethyl-2,6-methano-3-benzazocin-1(2H)-one, 9CI. *Ketocyclazocine. Win 34276*

[36292-69-0]



$C_{18}H_{23}NO_2$ M 285.385

Analgesic. Narcotic antagonist. Cryst. (MeOH). Mp 249-252°.

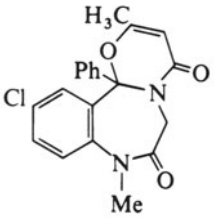
B,HCl: [71697-05-7]. Cryst. (EtOH). Mp 272-276°.
B,MeSO₃H: [71697-06-8]. Mp 257-258°.
8-Ac; B,HCl: Cryst. (EtOAc). Mp 195-197°.

Ward, S.J. *et al*, *J. Pharm. Pharmacol.*, 1977, **29**, 54P (*pharmacol*)
U.S.P., 4 161 598, (*1979*); *CA*, **91**, 175227 (*synth, pharmacol*)
Verlinde, C.L. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1703 (*cryst struct*)

Ketazolam, BAN, USAN, INN **K-00012**

11-Chloro-8,12b-dihydro-2,8-dimethyl-12b-phenyl-4H-[1,3]oxazino[3,2-d][1,4]benzodiazepine-4,7(6H)-dione, 9CI, 8CI. *Ansieten. Anxon. Contamex. Loftran. Solatran. Unakalm. U 28774*

[27223-35-4]



$C_{20}H_{17}ClN_2O_3$ M 368.819

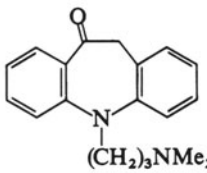
Minor tranquilliser. Prisms ($CHCl_3/Et_2O$). Mp 182-183.5°. Sinters at 170°.

Szmuszkovicz, J. *et al*, *Tetrahedron Lett.*, 1971, 3665 (*synth*)
Settry, V.H., *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1978, **301**, 157 (*pharmacol*)
Owen, R.T., *Med. Actual.*, 1980, **16**, 293 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7055.

Ketipramine **K-00013**

5-[3-(Dimethylamino)propyl]-5,11-dihydro-10H-dibenz[b,f]azepin-10-one, 9CI, 8CI. ***Ketimipramine, INN.*** *Ketoimipramine. G 35259*

[796-29-2]



$C_{19}H_{22}N_2O$ M 294.396

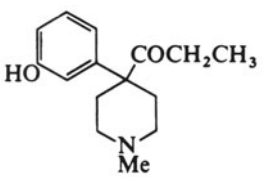
Antidepressant. Mp 87°. $Bp_{0.005}$ 174°. Also used as fumarate (Ketipramine fumarate, USAN).

B.P., 943 275, (*1963*); *CA*, **61**, 4328 (*synth, pharmacol*)
Eckhardt, G. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 1073 (*ms*)

Ketobemidone, BAN, INN **K-00014**

1-[4-(3-Hydroxyphenyl)-1-methyl-4-piperidinyl]-1-propanone, 9CI, 8CI. *4-m-Hydroxyphenyl-1-methyl-4-propionylpiperidine.* ***Cetobemidone, INN.*** *Chetobemidone. Cliradin. Cliradon. Cymidon. Ciba 7115. Hoechst 10720. K 4710. Win 1539*

[469-79-4]



$C_{15}H_{21}NO_2$ M 247.336

Narcotic analgesic. Mp 156-157°.

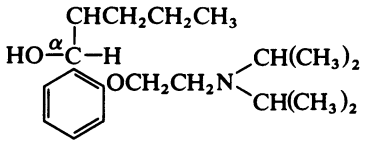
▷OB3200000.

B,HBr: Cryst. (EtOH/Et_2O). Mp 194-196°.
B,HCl: [5965-49-1]. Cryst. Sol. H_2O, sl. sol EtOH. Mp 201-202°.
▷UC2980000.

Kage, H. *et al*, *Helv. Chim. Acta*, 1949, **32**, 2489 (*synth*)
Avison, A.W.D. *et al*, *J. Chem. Soc.*, 1950, 1469 (*synth*)
Kosterlitz, H.W. *et al*, *J. Pharm. Pharmacol.*, 1975, **27**, 73 (*pharmacol*)
Rogers, M.E. *et al*, *J. Med. Chem.*, 1980, **23**, 688 (*pharmacol*)
Cammack, T. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 73 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6234.

Ketocainol K-00015

2-[2-[Bis(1-methylethyl)amino]ethoxy]-α-propylbenzenemethanol, 9CI. O-*[2-(Diisopropylamino)ethoxy]-α-propylbenzyl alcohol, 8CI. Rec 710544*
[7488-92-8]

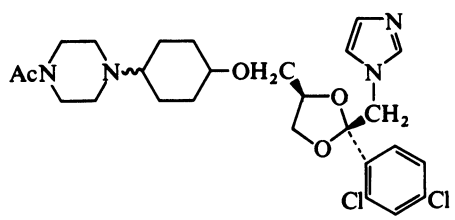


$C_{18}H_{31}NO_2$ M 293.448
Antiarrhythmic agent, anaesthetic.
▷EL2000000.
B,HCl: [7241-38-5]. Cryst. (2-propanol). Mp 142-144°.
▷DO3520000.
α-Ketone: [1092-46-2]. ***Ketocaine, INN.*** *1-[2-[2-[Bis(1-methylethyl)amino]ethoxy]phenyl]-1-butanone, 9CI. 2'-[2-(Diisopropylamino)ethoxy]butyrophenone, 8CI. Astra 2358.*
$C_{18}H_{29}NO_2$ M 291.433
Local anaesthetic. Oil. Bp_6 183-185°.
▷EU2322000.
α-Ketone; B,HCl: [1092-47-3]. *Rec 70518.* Cryst. (EtOH). Mp 129-130°.

Da Re, P. *et al*, *Experientia*, 1964, **20**, 607 (*Ketocaine*)
Setniker, I. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1275 (*deriv*)
Da Re, P. *et al*, *J. Med. Chem.*, 1967, **10**, 266 (*synth, pharmacol, tox*)
U.S.P., 3 335 184, (*1967*); *CA*, **68**, 68720 (*deriv*)
Bongrani, S. *et al*, *Farmaco, Ed. Prat.*, 1975, **30**, 347 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12882.

Ketoconazole, BAN, INN, USAN K-00016

1-Acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1H-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-piperazine, 9CI. Numerous proprietary names
[65277-42-1]

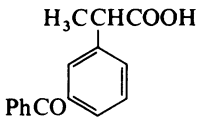


$C_{26}H_{28}Cl_2N_4O_4$ M 531.438
Antifungal agent. Cryst. (4-Methyl-2-pentanone). Mp 146°.
▷TK7912300.

Heeres, J. *et al*, *J. Med. Chem.*, 1979, **22**, 1003 (*synth, pharmacol*)
Peeters, O.M. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 2461 (*cryst struct*)
Heel, R.C. *et al*, *Drugs*, 1982, **23**, 1 (*rev*)
Levine, H.B., *Ketoconazole in the Management of Fungal Disease*, Adis Press, New York, 1982 (*book*)
Galgiani, J.N., *Drugs*, 1983, **26**, 355 (*rev*)
Sugar, A.M. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 1874 (*pharmacol*)
Daneshmend, T.K. *et al*, *Clin. Pharmacokinet.*, 1988, **14**, 13 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7400 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2589.

Ketoprofen, BAN, USAN, INN, JAN K-00017

3-Benzoyl-α-methylbenzeneacetic acid, 9CI. m-*Benzoylhydratropic acid, 8CI. Orudis. Alrheumat. Numerous proprietary names*
[22071-15-4]



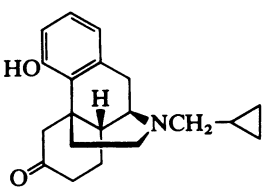
$C_{16}H_{14}O_3$ M 254.285
▷UE7570000.

(±)-*form*
Antiinflammatory, analgesic. Cryst. (C_6H_6/pet. ether). Mp 94°.

Allais, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 381 (*synth, pharmacol*)
Brogden, R.N. *et al*, *Drugs*, 1974, **8**, 168 (*rev, pharmacol*)
Comisso, G. *et al*, *Gazz. Chim. Ital.*, 1980, **110**, 123 (*synth, abs config*)
Pinna, G. *et al*, *Farmaco, Ed. Sci.*, 1980, **35**, 684 (*synth*)
Liversidge, G.G., *Anal. Profiles Drug Subst.*, 1981, **10**, 443 (*rev*)
Kim, J.W. *et al*, *Arch. Pharmacol. Res.*, 1987, **10**, 25 (*resoln, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3889.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2662.

Ketorfanol, INN, USAN K-00018

17-(Cyclopropylmethyl)-4-hydroxymorphinan-6-one, 9CI. SBW-22
[79798-39-3]



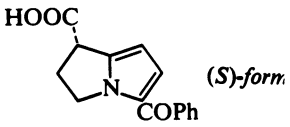
$C_{20}H_{25}NO_2$ M 311.423
Analgesic. Foam.

Manmade, A. *et al*, *J. Med. Chem.*, 1981, **24**, 1437 (*synth, pharmacol*)

Ketorolac, BAN, INN **K-00019**

5-Benzoyl-2,3-dihydro-1H-pyrrolizine-1-carboxylic acid

[66635-83-4]



(*S*)-*form*

$C_{15}H_{13}NO_3$ M 255.273

(*S*)-*form* [66635-92-5]

Pharmacol active isomer. Cryst. (hexane/EtOAc). Mp 169-170°. $[\alpha]_D$ −176° (c, 1 in MeOH).

(±)-*form* [74103-06-3]

Analgesic, antiinflammatory agent. Platelet aggregation inhibitor. Cryst. (EtOAc/Et_2O). Mp 160-161°.

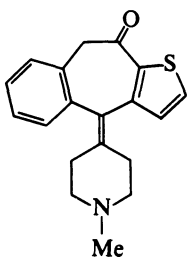
Cpd. with 2-amino-2-(hydroxymethyl)-1,3-propanediol (1:1): [74103-07-4]. *Ketorolac tromethamine, USAN. Ketorolac trometamol, BAN. RS 37619 00313.*

Ger. Pat., 2 731 678, (*1978*); *CA*, **89**, 6215h (*synth*)
Franco, F. *et al*, *J. Org. Chem.*, 1982, **47**, 1682 (*synth*)
Rooks, W.H. *et al*, *Agents Actions*, 1982, **12**, 684 (*pharmacol*)
Muchowski, J.M. *et al*, *J. Med. Chem.*, 1985, **28**, 1037; 1986, **29**, 589 (*synth, activity, resoln*)
Rooks, W.H. *et al*, *Drugs Exp. Clin. Res.*, 1985, **11**, 479 (*pharmacol*)
Fülling, G. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 2845 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16867.

Ketotifen, BAN, INN **K-00020**

4,9-Dihydro-4-(1-methyl-4-piperidinylidene)-10H-benzo[4,5]cyclohepta[1,2-b]thiophen-10-one, 9CI. Numerous proprietary names

[34580-13-7]



$C_{19}H_{19}NOS$ M 309.425

Antihistamine. Cryst. (EtOAc). Mp 152-153°.

Fumarate (1:1): [34580-14-8]. *Ketotifen fumarate, JAN, USAN. Zaditen.* Mp 192° dec.

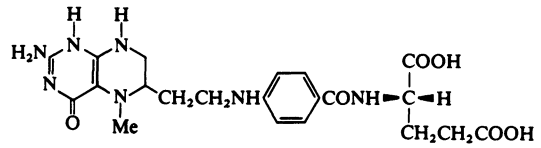
▷DE8260000.

Waldvogel, E. *et al*, *Helv. Chim. Acta*, 1976, **59**, 866 (*synth, pmr*)
Martin, U. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 770 (*pharmacol*)
Martin, U. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1981, **3**, 424 (*rev, pharmacol*)
Craps, L.P. *et al*, *Respiration*, 1984, **45**, 411 (*rev*)
Mikotić-Mihun, Z. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 239 (*rev*)
Morley, J. *et al*, *Ann. Allergy*, 1986, **56**, 335 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7724.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5176 (*synonyms*)

Ketotrexate, INN **K-00021**

N-[4-[[2-(2-Amino-1,4,5,6,7,8-hexahydro-5-methyl-4-oxo-6-pteridinyl)ethyl]amino]benzoyl] glutamic acid, *9CI.* N^5-*Methyltetrahydrohomofolic acid*

[52196-22-2]



$C_{21}H_{27}N_7O_6$ M 473.488

Antineoplastic (antileukaemic) agent.

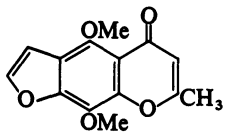
Di-Na salt: [52386-42-2]. *Ketotrexate sodium. Me-H4F. 5 MTHHF. NSC 139490.* λ_{max} 291.5 nm (pH 7).

Ger. Pat., 2 330 984, (*1974*); *CA*, **80**, 83646r (*synth, pharmacol*)
Ger. Pat., 2 335 898, (*1974*); *CA*, **80**, 112643v (*pharmacol*)

Khellin, INN **K-00022**

4,9-Dimethoxy-7-methyl-5H-furo[3,2-g][1]-benzopyran-5-one, 9CI. Numerous proprietary names

[82-02-0]



$C_{14}H_{12}O_5$ M 260.246

Constit. of the fruit of *Ammi visnaga*. Exhibits spasmolytic activity, used in treatment of heart disease. Needles (MeOH aq. or Et_2O). Mp 150.3° and 154-155° (dimorph.).

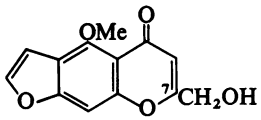
▷LV1050000.

Baxter, R.A. *et al*, *J. Chem. Soc.*, 1949, Suppl., 30 (*synth*)
Clarke, J.R. *et al*, *J. Chem. Soc.*, 1949, 302 (*synth*)
Gardner, T.S. *et al*, *J. Org. Chem.*, 1950, **15**, 841 (*synth*)
Geissman, T.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1280 (*synth*)
Beale, J.P. *et al*, *Cryst. Struct. Commun.*, 1973, **2**, 125 (*cryst struct*)
Carpy, A. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 835 (*cryst struct*)
Elgamal, M.H.A. *et al*, *Phytochemistry*, 1979, **18**, 139 (*cmr*)
Hassan, M.A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 371 (*rev*)
Gammill, R.B. *et al*, *J. Org. Chem.*, 1983, **48**, 3863 (*synth*)
Yamashita, A., *J. Am. Chem. Soc.*, 1985, **107**, 5823 (*synth, bibl*)
Nagasawa, K. *et al*, *Heterocycles*, 1988, **27**, 1159 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3052 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9249.

Khellol **K-00023**

*7-(Hydroxymethyl)-4-methoxy-5*H*-furo[3,2-g][1]-benzopyran-5-one*, *9CI. Chellol*

[478-79-5]



$C_{13}H_{10}O_5$ M 246.219

Constit. of the rhizome of *Cinnifuga simplex*. Cryst. (H_2O). Mp 176-178°.

7-(β-D-Glucopyranosyl): [17226-75-4]. *Khellinin*. ***Khelloside, INN***.

$C_{19}H_{20}O_{10}$ M 408.361

Constit. of *Ammi visnaga*. Coronary vasodilator. Cryst. + $2H_2O$ (H_2O), cryst. (MeOH). Mp 142-144° (hydrate), 174-176° (anhyd.). $[\alpha]_D^{17}$ −1.69° (Py).

▷LZ5904000.

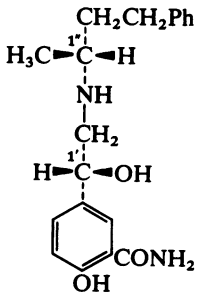
Späth, E. *et al*, *Ber.*, 1941, **74**, 1549 (*isol*)
Geissman, T.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 5875 (*synth*)
Badaw, M.M. *et al*, *Indian J. Chem.*, 1967, **5**, 93 (*pmr*)
Kondo, Y. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1940 (*isol*)
Galal, E.E. *et al*, *J. Drug Res.*, 1975, **7**, 45 (*pharmacol, Khelloside*)

L

Labetalol, BAN, INN **L-00001**

2-Hydroxy-5-[(1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]benzamide, 9CI. 5-[1-Hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]-salicylamide, 8CI. Ibidomide. Other synonyms

[36894-69-6]



(1′*R*,1″*R*)-*form*

$C_{19}H_{24}N_2O_3$ M 328.410

Antiadrenergic agent (α- and β-blocker), antihypertensive agent.

▷CV5375500.

(1′R,1″R)-form [75659-07-3]

Dilevalol, BAN, INN

Most powerful β_1-blocker of the four stereoisomers. Mp 163.5-164.5°.

B,HCl: [75659-08-4]. *Dilevalol hydrochloride, USAN.* (R,R)-*Labetalol hydrochloride. Sch 19927.* Cryst. (EtOH). Mp 133-134° and 192-193.5° dec. (dimorph.). $[\alpha]_D^{26}$ −30.6° (c, 1.0 in EtOH).

(1′S,1″S)-form [83167-24-2]

Weakly active α-blocker.

B,HCl: [81602-15-5]. Mp 133-134° dec. and 193-194° dec. (dimorph.). $[\alpha]_D^{26}$ +30.4° (c, 1.0 in EtOH).

(1′R,1″S)-form [83167-31-1]

Virtually inactive.

B,HCl: [81602-14-4]. Mp 167-168.5° dec. $[\alpha]_D^{26}$ −28.4° (c, 1.0 in DMF).

(1′S,1″R)-form [83167-32-2]

Powerful α-blocker.

B,HCl: [81602-13-3]. Mp 171-172° dec. $[\alpha]_D^{26}$ +27.8° (c, 1.0 in DMF).

(1′RS,1″RS)-form [72487-32-2]

Cryst. (MeOH). Mp 163.5-164.5°.

B,HCl: [72487-34-4]. Needles. Mp 174°.

(1′RS,1″SR)-form [72487-31-1]

Cryst. (EtOH). Mp 166-166.5°.

B,HCl: [72487-35-5]. Mp 220° (215-217°).

Clifton, J.E. *et al, J. Med. Chem.*, 1982, **25**, 670 (*synth*)
Gold, E.H. *et al, J. Med. Chem.*, 1982, **25**, 1363 (*stereochem, rev*)
Baum, T. *et al, Am. J. Med.*, 1983, **75**, 15 (*rev*)
Conner, C.S., *Drug Intell. Clin. Pharm.*, 1983, **17**, 543 (*rev, α- and β-blockers*)
Louis, W.J. *et al, Clin. Pharmacokinet.*, 1984, **9**, 157; *Handb. Hypertens.*, 1984, **5**, 225 (*revs*)
Murray-Rust, P. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 825 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5367.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6311, 18629.

Lachesine(1+) **L-00002**

N-*Ethyl-2-[(hydroxydiphenylacetyl)oxy]*-N,N-*dimethylethanaminium. (2-Benziloyloxyethyl)-ethyldimethylammonium. Laxesin. E 3*

$Ph_2C(OH)COOCH_2CH_2N^{\oplus}EtMe_2$

$C_{20}H_{26}NO_3$ M 328.430

Mydriatic. Cycloplegic.

▷BQ5600000.

Chloride: [1164-38-1]. *Lachesine chloride, BAN.*

$C_{20}H_{26}ClNO_3$ M 363.883

Cryst. (Me_2CO/EtOH). Mp 213°.

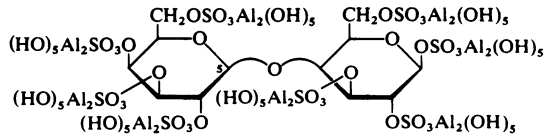
▷BQ5600000.

Ford-Moore, A.H. *et al, J. Chem. Soc.*, 1947, 55 (*synth*)
Feldman, J.B., *Am. J. Ophthalmol.*, 1951, **34**, 442 (*pharmacol*)
Lippold, B.C. *et al, Arzneim.-Forsch.*, 1974, **24**, 1952 (*Bromide*)
Roberts, F. *et al, Br. J. Pharmacol.*, 1976, **57**, 395 (*pharmacol*)
Birdsall, N.J.M. *et al, Mol. Pharmacol.*, 1978, **14**, 723 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 389.

Lactalfate, INN **L-00003**

Lactose octakis(hydrogen sulfate) basic aluminum salt

[96427-12-2]



$C_{12}H_{54}Al_{16}O_{75}S_8$ M 2086.698

Spanish Pat., 532 088, (*1985*); *CA*, **106**, 5370n (*synth*)

Lactoylcholine, 8CI **L-00004**

2-(2-Hydroxy-1-oxopropoxy)-N,N,N-*trimethylethanaminium, 9CI*

[34624-41-4]

$H_3CCH(OH)COOCH_2CH_2N^{\oplus}Me_3$

$C_8H_{18}NO_3^{\oplus}$ M 176.235 (ion)

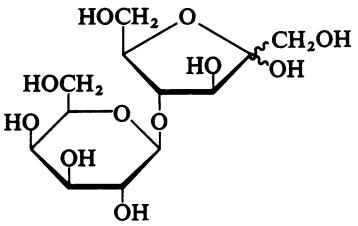
Cholinergic, nicotinic agonist. Attacks nerve receptors.

Sastry, B.V.R. *et al, Biochim. Biophys. Acta*, 1968, **151**, 597 (*biochem*)
Sastry, B.V.R. *et al, J. Med. Chem.*, 1968, **11**, 528 (*biochem*)
Chothia, C., *Nature (London)*, 1970, **225**, 36 (*biochem*)
Jensen, B., *Acta Chem. Scand., Ser. B*, 1976, **30**, 687 (*cryst struct*)
Chothia, C. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 1851 (*cryst struct*)

Lactulose, BAN, INN, JAN, USAN **L-00005**

4-O-β-D-Galactopyranosyl-D-fructose, 9CI. Bifiteral. Cephulac. Duphalac. Laevilac. Normose. Numerous proprietary names

[4618-18-2]



$C_{12}H_{22}O_{11}$ M 342.299

An aq. soln. at 25° contains 61.5% β-pyr, 7.5% α-fur 29% β-fur, and 1.6% ketone. Use in the treatment of hepatic coma and chronic constipation. Mp 168-171°. $[\alpha]_D^{20}$ −51.4° (c, 4.0 in H_2O).

Octa-Ac:

$C_{28}H_{38}O_{19}$ M 678.597

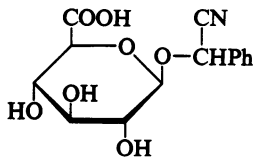
Mp 138°. $[\alpha]_D^{20}$ −6.6° ($CHCl_3$).

Carubell, R. *et al, Carbohydr. Res.*, 1966, **2**, 480.
Gatzche, L. *et al, Ernaehrungsforschung*, 1967, **12**, 641.
Adachi, S., *Carbohydr. Res.*, 1969, **9**, 242.
Kamerling, J.P. *et al, Biochem. Biophys. Res. Commun.*, 1969, **38**, 794.
Canulli, N. *et al, Digestion*, 1972, **6**, 139 (*metab*)
Otten, N., *Drug. Intell. Clin. Pharm.*, 1977, **11**, 604 (*rev, pharmacol*)
Bradbury, J.H. *et al, Carbohydr. Res.*, 1979, **21**, 15 (*pmr*)
Hicks, K.B. *et al, Carbohydr. Res.*, 1980, **82**, 393 (*synth*)
Pfeffer, P.E. *et al, Carbohydr. Res.*, 1982, **102**, 11 (*cmr*)
Angyal, S.J., *Adv. Carbohydr. Chem. Biochem.*, 1984, **42**, 15 (*equilib*)
Shukla, R. *et al, Carbohydr. Res.*, 1985, **143**, 97 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7519.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2586.

Laetrile **L-00006**

Cyanophenymethyl β-D-glucopyranosiduronic acid, 9CI. Mandelonitrile-β-glucuronic acid

[1332-94-1]



$C_{14}H_{15}NO_7$ M 309.275

Obt. by hydrol. of Amygdalin and oxidn. of the resulting L-Mandelonitrile-β-glucoside. Claimed to be an anticancer agent, but there is no rigorous scientific evidence for this. Mp 214-216°.

▷OD9910000.

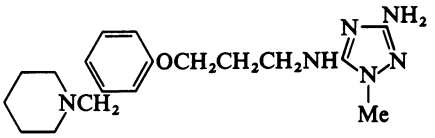
Na salt: Mp 112-116°.

B.P., 788 855, (*1958*); *CA*, **52**, 11913 (*synth*)
Culliton, P., *Science (Washington)*, 1973, **182**, 1000 (*rev*)
Sun, M., *Science (Washington)*, 1981, **212**, 758
Junghans, B., *Pharmazie*, 1982, **37**, 172 (*synth*)
Chandler, R.F. *et al, Pharm. J.*, 1984, **232**, 330 (*rev, pharmacol*)
D'Arcy, P.F., *Pharm. Int.*, 1984, **5**, 163 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12887.

Lamtidine, BAN, INN **L-00007**

1-Methyl-N⁵-[3-[3-(1-piperidinylmethyl)phenoxy]-propyl]-1H-1,2,4-triazole-3,5-diamine, 9CI. 3-Amino-1-methyl-1H-1,2,4-triazol-5-yl-[3-(α-piperidino-2-tolyloxy)propyl]amine. 1-[m-[[(3-Amino-1-methyl-1H-1,2,4-triazol-5-yl)amino]propoxy]benzyl]piperidine. AH 22216

[73278-54-3]



$C_{18}H_{28}N_6O$ M 344.459

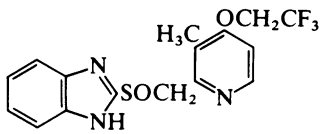
Histamine H_2-receptor antagonist. Mp 94-95°.

Ger. Pat., 2 917 026, (*1979*); *CA*, **92**, 181197u (*synth*)
Eur. Pat., 16 565, (*1980*); *CA*, **94**, 192345 (*synth, pharmacol*)
Stables, R. *et al, Agents Actions*, 1983, **13**, 166 (*props*)

Lansoprazole, INN **L-00008**

2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]-methyl]sulfinyl]-1H-benzimidazole, 9CI

[103577-45-3]



$C_{16}H_{14}F_3N_3O_2S$ M 369.361

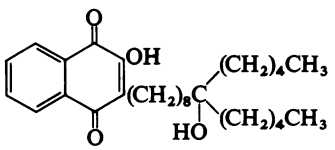
Antiulcerogenic agent. Mp 178-182° (dec.).

Eur. Pat., 174 726, (*1986*); *CA*, **105**, 133883 (*synth, pharmacol*)

Lapinone **L-00009**

2-Hydroxy-3-(9-hydroxy-9-pentyltetradecyl)-1,4-naphthalenedione, 9CI, 8CI. CN 10443. M 2350. WR 26041

[572-97-4]



$C_{29}H_{44}O_4$ M 456.664

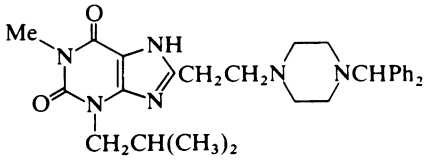
Antimalarial, anticoccidial. Oily liq.

Fieser, L.F. *et al, J. Am. Chem. Soc.*, 1948, **70**, 3207 (*synth*)
Fawaz, G. *et al, J. Am. Chem. Soc.*, 1950, **72**, 996 (*synth*)
Hudson, A.T., *Handb. Exp. Pharmacol.*, 1984, **68**, 343 (*rev, pharmacol*)

Laprafylline, INN **L-00010**

8-[2-[4-(Diphenylmethyl)-1-piperazinyl]ethyl]-3,7-dihydro-1-methyl-3-(2-methylpropyl)-1H-purine-2,6-dione, 9CI. 1-Methyl-3-isobutyl-8-[[4-diphenylmethyl 2-piperazinyl]ethyl]xanthine

[90749-32-9]



$C_{29}H_{36}N_6O_2$ M 500.642

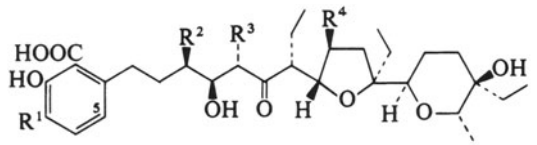
Bronchodilator. Mp 200-202°.

Fr. Pat., 2 531 085, (*1984*); *CA*, **101**, 90670 (*synth, pharmacol*)
Regnier, G.L. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1987, **22**, 243 (*synth, pharmacol*)

Lasalocid *A* L-00011

Lasalocid, *USAN, INN, BAN. Avatec. Bovatec. Ro 2-2985. X 537A. Antibiotic Ro 2-2985. Antibiotic X 537A*

[25999-31-9]



$R^1 = R^2 = R^3 = R^4 = CH_3$

$C_{34}H_{54}O_8$ M 590.796

Polyether-type antibiotic. Prod. by *Streptomyces lasaliensis*. Ionophoric, antibacterial agent. Poultry coccidiostat. Mp 110-114°. $[\alpha]_D^{25}$ −7.55° (c, 1.0 in MeOH).

▷GP4000000.

Na salt: [25999-20-6]. Cryst. Mp 168-171°. $[\alpha]_D^{25}$ −30° (c, 1.0 in MeOH).

▷GP4180000.

Me ester: [33855-15-1]. Oil. $Bp_{0.05}$ 170° dec. $[\alpha]_D$ −7.2° (c, 1 in MeOH).

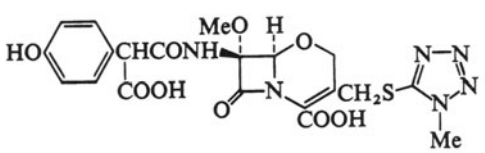
Benzyl ester: Mp 42-44°.

Berger, J. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 5295 (*isol*)
Johnston, S.M. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 4428 (*cryst struct*)
Westley, J.W. *et al*, *J. Chem. Soc., Chem. Commun.*, 1970, 71, 1467; 1971, 161 (*struct, biosynth*)
Westley, J.W. *et al*, *J. Med. Chem.*, 1973, **16**, 397.
Schmidt, P.G. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 6189 (*cryst struct*)
Lallemand, J.Y. *et al*, *J. Chem. Res.* (*S*), 1978, 162 (*cmr*)
Nakata, T. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 2933 (*synth*)
Seto, H. *et al*, *J. Antibiot.*, 1978, **31**, 289 (*cmr, struct*)
Painter, G. *et al*, *Biochem. Biophys. Res. Commun.*, 1980, **97**, 1268 (*cd*)
Ireland, R.E. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 1988; *J. Org. Chem.*, 1983, **48**, 5186 (*synth, ir, pmr*)
Galitzer, S.J. *et al*, *Vet. Hum. Toxicol.*, 1984, **26**, 322 (*rev, pharmacol, tox*)
Painter, G.R. *et al*, *Met. Ions Biol. Syst.*, 1985, **19**, 229 (*rev, props*)
Synform., 1985, **3**, 1 (*rev, synth*)
Sherman, M.M. *et al*, *J. Antibiot.*, 1986, **39**, 1270 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12890.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2437.

Latàmoxef, BAN, INN, JAN L-00012

Moxalactam

[64952-97-2]



$C_{20}H_{20}N_6O_9S$ M 520.473

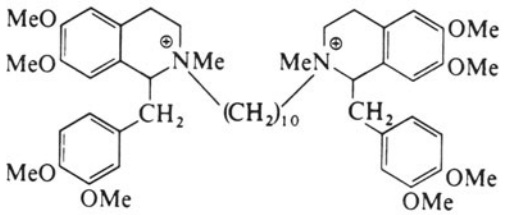
Cephalosporin antibiotic. Antiinfective agent. Mp 117-122° (dec.). $[\alpha]_D^{25}$ −15.3° (c, 0.216 in MeOH).

Di-Na salt: [64953-12-4]. *Moxalactam disodium, USAN. Lamoxactan disodium. Other synonyms.* $[\alpha]_D^{22}$ −45° (H_2O).

Narisada, M. *et al*, *J. Med. Chem.*, 1979, **22**, 757 (*synth, pharmacol, uv, pmr*)
Wise, R. *et al*, *Antimicrob. Agents Chemother.*, 1979, **16**, 341 (*pharmacol*)
Otsuka, H. *et al*, *Med. Res. Rev.*, 1981, **1**, 217 (*rev*)
Reed, M.D. *et al*, *Clin. Pharm.*, 1982, **1**, 124 (*rev*)
Barriere, S.L. *et al*, *Clin. Pharm.*, 1984, **3**, 351 (*rev, pharmacol*)
Lorenz, L.J. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 305 (*rev*)
Hashimoto, N. *et al*, *J. Pharm. Sci.*, 1985, **74**, 68 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5620.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 186.

Laudexium(2+) L-00013

2,2′-(1,10-Decanediyl)bis[1-[(3,4-dimethoxyphenyl)-methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinolium], 9CI. 2,2′-Decamethylenebis[1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylisoquinolinium], 8CI



$C_{52}H_{74}N_2O_8^{\oplus\oplus}$ M 855.165 (ion)

Neuromuscular blocking agent, skeletal muscle relaxant.

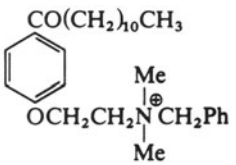
Bis(methylsulphate): [3253-60-9]. *Laudexium methylsulfate, BAN. Laudissin. Landolissin.* Cream-coloured granules ($EtOH/Et_2O$). Mp 172-174°. Darkens at 164-166°.

▷NX5137000.

Taylor, E.P., *J. Chem. Soc.*, 1952, 142.
Fuller, T.A. *et al*, *S. African Med. J.*, 1953, **27**, 1059 (*pharmacol*)
Smith, C.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **108**, 317 (*pharmacol*)
Stenlake, J.B. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 239 (*synth, props*)

Lauralkonium(1+) L-00014

Benzyl[2-[p-(lauroyl)phenoxy]ethyl]-dimethylammonium



$C_{29}H_{44}NO_2^{\oplus}$ M 438.672 (ion)

Antiseptic.

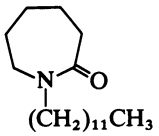
Chloride: [19486-61-4]. *Lauralkonium chloride, INN. Pyrgasol. Fortasept.*
$C_{29}H_{44}ClNO_2$ M 474.125

Kiger, J.L. *et al*, *Ann. Pharm. Fr.*, 1967, **25**, 601 (*anal*)

Laurocapram, INN, USAN **L-00015**

1-Dodecylhexahydro-2H-azepin-2-one, 9CI. *Azone. N-0252*

[59227-89-3]



$C_{18}H_{35}NO$ M 281.481

Pharmaceutical aid used as tablet excipient and for cutaneous penetration enhancement. Liq. d_4^{20} 0.91. $Bp_{0.3}$ 175-180°. n_D 1.470.

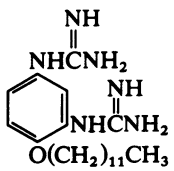
▷CM3995000.

Eur. Pat., 60 970, (*1982*); *CA*, **96**, 149181z (*synth, use*)
Stoughton, R.B. *et al*, *Drug. Dev. Ind. Pharm.*, 1982, **9**, 725 (*pharmacol*)
Hopkins, S.J., *Drugs Future*, 1984, **9**, 339 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5075.

Lauroguadine, INN **L-00016**

*1,1'-[4-(Dodecyloxy)-*m*-phenylene]diguanidine,* 8CI

[135-43-3]



$C_{20}H_{36}N_6O$ M 376.544

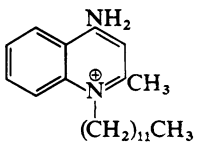
Bactericide, topical antiseptic.

B,2HCl: [135-42-2]. *P7. Farmidril.* Dihydrate. Mp 250° dec. Sinters at 135-210°.

Ger. Pat., 1 158 495, (*1963*); *CA*, **60**, 6794g (*synth, pharmacol*)
De Marco, A. *et al*, *Mikrochim. Acta*, 1970, 135 (*anal*)

Laurolinium(1+) **L-00017**

4-Amino-1-dodecyl-2-methylquinolinium, 9CI. *4-Amino-1-dodecylquinaldinium*



$C_{22}H_{35}N_2^{\oplus}$ M 327.532 (ion)

Antiseptic, disinfectant.

Acetate: [146-37-2]. *Laurolinium acetate,* BAN, INN. *Laurodin.*
$C_{24}H_{38}N_2O_2$ M 386.576
Cryst. (Me_2CO). Mp 170-171°.

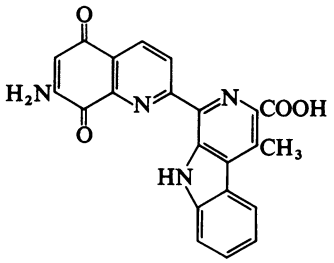
▷VA0350000.

B.P., 855 212, (*1961*); *CA*, **55**, 14485
Caldwell, D. *et al*, *J. Pharm. Pharmacol.*, 1961, **13**, 554 (*synth, pharmacol*)
Cox, W.A. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 129 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2253.

Lavendamycin **L-00018**

1-(7-Amino-5,8-dihydro-5,8-dioxo-2-quinolinyl)-4-methyl-9H-pyrido[3,4-b]indole-3-carboxylic acid, 9CI

[81645-09-2]



$C_{22}H_{14}N_4O_4$ M 398.377

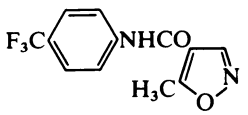
Quinone antibiotic. Isol. from *Streptomyces lavendulae.* Antifungal and antitumour agent. Mp >300° dec. λ_{max} 239, 246 and 391 nm (MeOH).

Doyle, T.W. *et al*, *Tetrahedron Lett.*, 1981, **22**, 4595 (*struct*)
Balitz, A.W. *et al*, *J. Antibiot.*, 1982, **35**, 259.
Boger, D.L. *et al*, *J. Org. Chem.*, 1985, **50**, 5790 (*synth, bibl*)

Leflunomide, INN **L-00019**

5-Methyl-N-[4-(trifluoromethyl)phenyl]-4-isoxazolecarboxamide, 9CI. *α,α,α-Trifluoro-5-methyl-4-isoxazolecarboxy-*p*-toluidide. HWA 486*

[75706-12-6]



$C_{12}H_9F_3N_2O_2$ M 270.211

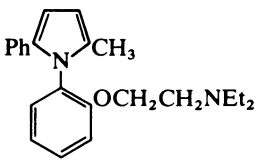
Analgesic, antipyretic, antiinflammatory agent. Cryst. (toluene). Mp 166.5°.

Ger. Pat., 2 854 439, (*1980*); *CA*, **93**, 239392m (*synth, pharmacol*)
Bartlett, R.R. *et al*, *Int. J. Immunopharmacol.*, 1985, **7**, 7 (*pharmacol*)

Leiopyrrole, INN **L-00020**

N,N-Diethyl-2-[2-(2-methyl-5-phenyl-1H-pyrrol-1-yl)phenoxy]ethanamine, 9CI. *1-[o-[2-(Diethylamino)-ethoxy]phenyl]-2-methyl-5-phenylpyrrole. DV 714*

[5633-16-9]



$C_{23}H_{28}N_2O$ M 348.487

Spasmolytic agent. Bp_{13} 232°. n_D^{20} 1.603. Aq. soln. turns yellow on exp. to air.

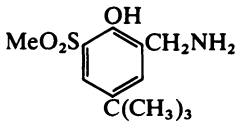
B,HCl: [14435-78-0]. *Leioplegil.* Needles (CCl_4). Mp 138°.

Buu-Hoi, N.P. *et al*, *J. Med. Chem.*, 1959, **1**, 23 (*synth, pharmacol*)

Lemidosul, INN **L-00021**

2-(Aminomethyl)-4-(1,1-dimethylethyl)-6-(methylsulfonyl)phenol, 9CI. *Hoechst 365*

[88041-40-1]



$C_{12}H_{19}NO_3S$ M 257.347

Antihypertensive, diuretic.

B,HCl: [88059-64-7]. Needles (EtOH). Mp 242-243° dec.

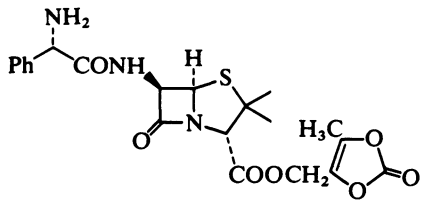
Ger. Pat., 3 332 780, (*1985*); *CA*, **103**, 141619r (*synth, pharmacol*)

Hropot, M. *et al*, *CA*, 1985, **103**, 16570s, 31949r (*chem, pharmacol*)

Lenampicillin, INN **L-00022**

Ampicillin (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester

[86273-18-9]



$C_{21}H_{23}N_3O_7S$ M 461.489

Antibiotic.

B,HCl: [80734-02-7]. *KBT 1585.* Cryst. Mp 145° dec.

Sakamoto, F. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 2241, 4316 (*synth, props*)

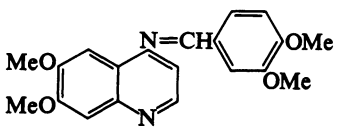
Chemotherapy (Tokyo), 1984, **32** (*Suppl. 8*) (*pharmacol, tox, metab, numerous papers*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16873.

Leniquinsin, USAN, INN **L-00023**

N-[(3,4-Dimethoxyphenyl)methylene]-6,7-dimethoxy-4-quinolinamine, 9CI. *6,7-Dimethoxy-4-(veratrylideneamino)quinoline,* 8CI. *EU 1085. U 1085*

[10351-50-5]



$C_{20}H_{20}N_2O_4$ M 352.389

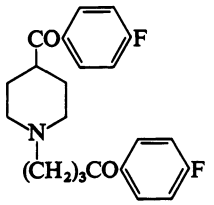
Antihypertensive drug. Mp 165-167°.

Wright, G.C. *et al*, *J. Med. Chem.*, 1971, **14**, 1060 (*synth, pharmacol*)

Lenperone, INN, USAN **L-00024**

4-[4-(4-Fluorobenzoyl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, 9CI. *4'-Fluoro-4-(4-(p-fluorobenzoyl)piperidino]butyrophenone,* 9CI. *Lenperol. RMI 11270*

[24678-13-5]



$C_{22}H_{23}F_2NO_2$ M 371.426

Tranquilliser. Antiemetic.

B,HCl: [24677-86-9]. *Elanone. AHR 2277.* Mp 255-257°.

Duncan, R.L. *et al*, *J. Med. Chem.*, 1970, **13**, 1 (*synth, pharmacol*)

Johnson, D.N. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **194**, 197 (*pharmacol*)

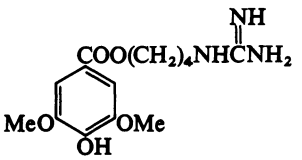
U.S.P., 4 101 662, (*1978*); *CA*, **90**, 38794 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7056.

Leonurine **L-00025**

4-[(Aminoiminomethyl)amino]butyl 4-hydroxy-3,5-dimethoxybenzoate, 9CI. *4-Guanidinobutyl syringate*

[24697-74-3]



$C_{14}H_{21}N_3O_5$ M 311.337

Alkaloid from *Leonurus artemisia* (a Chinese herbal medicine used in obstetrics) and *L. sibiricus* (Labiatae). Uterotonic agent. Mp 229-230°. pK_a 7.9 (H_2O).

B,HCl: Mp 195-196°.

Goto, T. *et al*, *Tetrahedron Lett.*, 1962, 545 (*isol*)

Sugiura, S. *et al*, *Tetrahedron*, 1969, **25**, 5155 (*synth*)

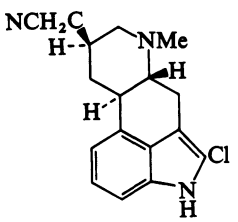
Yeung, H.W. *et al*, *Planta Med.*, 1977, **31**, 51 (*isol, ir, pmr, ms, struct*)

Cheng, K.F., *Experientia*, 1979, **35**, 571 (*synth*)

Lergotrile, INN, USAN **L-00026**

2-Chloro-6-methylergoline-8-acetonitrile, 9CI

[36945-03-6]



$C_{17}H_{18}ClN_3$ M 299.802

Prolactin inhibitor, antineoplastic agent. Cryst. (Et_2O). Mp 270-273°.

B,MeSO$_3$H: [51473-23-5]. *Lergotrile mesylate,* USAN. *Lilly 83636.*

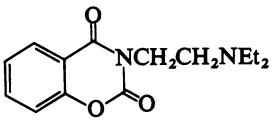
▷KE6320000.

Ger. Pat., 2 355 750, (*1974*); *CA*, **80**, 146400d (*synth, pharmacol*)
Sweeney, M.J. *et al*, *Cancer Res.*, 1975, **35**, 106 (*pharmacol*)
Rubin, A. *et al*, *Clin. Pharmacol. Ther.*, 1978, **23**, 272 (*metab*)
Kanto, J., *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 135 (*rev*)
Palmisano, G. *et al*, *Synthesis*, 1987, 137 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4549.

Letimide, INN L-00027

3-[2-(Diethylamino)ethyl]-2H-1,3-benzoxazine-2,4(3H)-dione, 9CI, 8CI

[26513-90-6]



$C_{14}H_{18}N_2O_3$ M 262.308

Analgesic.

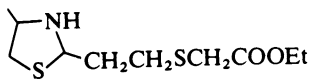
B,HCl: [21791-39-9]. *Letimide hydrochloride, USAN. MA 1443.* Mp 232-233°.

Fr. Pat., 1 536 546, (*1968*); *CA*, **71**, 81384 (*synth, pharmacol*)
Phillips, B.M. *et al*, *J. Pharm. Sci.*, 1969, **58**, 1414 (*synth*)

Letosteine, INN L-00028

Ethyl 2-[2-[(carboxymethyl)thio]ethyl]-4-thiazolidinecarboxylate, 9CI. Soluidal. Viscotiol

[53943-88-7]



$C_{10}H_{17}NO_4S_2$ M 279.369

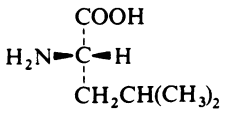
Analgesic, mucolytic agent. Cryst. (EtOH). Mp 142°.

Ger. Pat., 2 410 307, (*1974*); *CA*, **82**, 4238z (*synth, pharmacol, tox*)
Neuman, M., *Drugs of Today*, 1980, **16**, 109 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12893.

Leucine, 9CI, USAN L-00029

2-Amino-4-methylpentanoic acid. 2-Aminoisocaproic acid

[7005-03-0]



(S)-form
Absolute configuration

$C_6H_{13}NO_2$ M 131.174

Derivs. useful in peptide synth. are listed elsewhere.

(*R*)-form [328-38-1]

D-form

Plates (EtOH). Mp 293° (sealed tube). $[\alpha]_D^{20}$ +11.1° (H_2O), −17° (20% HCl).

▷OH2840000.

Me ester; B,HCl: Mp 149-150°.

N-*Ac:*
$C_8H_{15}NO_3$ M 173.211
Mp 112-114°. $[\alpha]_D^{23}$ +23.2° (EtOH).

N-*Benzoyl:*
$C_{13}H_{17}NO_3$ M 235.282
Cryst. + ½H_2O (Et_2O/ligroin). Spar. sol. hot H_2O. Mp 60° (anhyd. 105-107°). $[\alpha]_D^{20}$ −6.39° (KOH).

(*S*)-form [61-90-5]

L-form

Obt. by hydrol. of most proteins. Dietary supplement. Plates (EtOH aq.). Mp 293-295° dec. $[\alpha]_D^{20}$ −10.42° (H_2O), $[\alpha]_D^{15}$ +17.3° (20% HCl).

▷OH2850000.

Me ester:
$C_7H_{15}NO_2$ M 145.201
Bp_{12} 79-79.5°. $[\alpha]_D^{17}$ +16.52°.

Me ester; B,HCl: Mp 118° (α-form); Mp 150-151° (β-form). $[\alpha]_D^{25.9}$ −13.4° (H_2O).

Et ester:
$C_8H_{17}NO_2$ M 159.228
Bp_{761} 196°, Bp_{18} 88°. $[\alpha]_D^{20}$ +13.1°.

Et ester; B,HCl: Prisms (EtOAc/ligroin). Mp 134°. $[\alpha]_D$ +18.4°.

Benzyl ester; B,HCl:
$C_{13}H_{19}NO_2$ M 221.299
Mp 128°. $[\alpha]_D^{30}$ −8.0° (c, 2 in HCl).

N-*Ac:* Mp 189-190°. $[\alpha]_D^{24}$ −40.2° (Py), −23.1° (EtOH).

N-*Benzoyl:* Mp 60° (hydrated), 105-107° (anhyd.).

N-(*2,4-Dinitrophenyl*): Mp 94-95°.

N-(*2,4,6-Trinitrophenyl*): Cryst. (MeOH aq.). Mp 98-99°.

(±)-form [328-39-2]

Plates (H_2O). V. spar. sol. EtOH. Mp 293-295° (sealed tube).

Et ester: Misc. EtOH, Et_2O, C_6H_6, ligroin. Bp_{761} 196°, Bp_{18} 88°.

N-*Ac:* [99-15-0]. ***Acetylleucine, INN***. Drug used to treat dizziness, antiemetic. Mp 160-162° (157-158°).

N-*Ac, amide:*
$C_8H_{16}N_2O_2$ M 172.227
Mp 157-158°.

N-*Benzoyl:*
$C_{13}H_{17}NO_3$ M 235.282
Needles or plates. Sol. EtOH, Et_2O, $CHCl_3$, AcOH, spar. sol. C_6H_6, insol. ligroin. Mp 137-141°.

N-*Benzoyl, Me ester:*
$C_{14}H_{19}NO_3$ M 249.309
Cryst. (ligroin). Mp 95-96°.

N-*Benzoyl, amide:*
$C_{13}H_{18}N_2O_2$ M 234.297
Plates (ligroin). Mp 171°.

Amide:
$C_6H_{14}N_2O$ M 130.189
Prisms (C_6H_6). Sol. H_2O, v. sol. EtOH, Me_2CO, spar. sol. C_6H_6. Mp 106-107°.

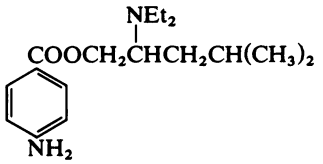
N-(*2,4-Dinitrophenyl*): Yellow cryst. Mp 203°.

Fischer, E., *Ber.*, 1900, **33**, 2370, 2377; 1901, **34**, 445; 1905, **38**, 615, 3997, 4002.
Greenstein, J.P. *et al*, *Chemistry of the Amino Acids*, 1961, Wiley, N.Y., Chap. 31, 2075 (*rev*)
Heyns, K. *et al*, *Justus Liebigs Ann. Chem.*, 1963, **667**, 194 (*ms*)
Di Blasio, B. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 601, 2941 (*cryst struct*)
Oguri, T. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 167 (*synth*)
Harding, M.M. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 633 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 597.

Leucinocaine, INN L-00030

2-(Diethylamino)-4-methyl-1-pentanol p-*aminobenzoate, 8CI*

[92-23-9]



$C_{17}H_{28}N_2O_2$ M 292.420

▷SA6125000.

(±)-*form*

Anaesthetic.

B,MeSO$_3$H: [135-44-4]. *Panthesine.* Cryst. Mp 182-185°.

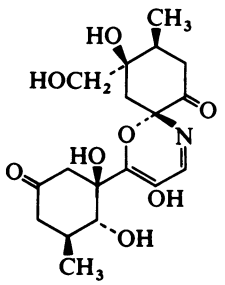
▷SA6475000.

U.S.P., 1 513 730, (*1925*); *CA*, **19**, 153 (*synth*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 161 (*props, pharmacol*)
Novakova, E. *et al*, *Cesk. Farm.*, 1973, **22**, 347 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7632.

Leucogenenol L-00031

2-(1,2-Dihydroxy-3-methyl-5-oxocyclohexyl)-3,11-dihydroxy-11-(hydroxymethyl)-9-methyl-1-oxa-5-azaspiro[5.5]undeca-2,4-dien-7-one, 9CI, 8CI

[29101-95-9]



$C_{18}H_{25}NO_8$ M 383.397

Blood-cell (lymphocyte) stimulatory substance from *Penicillium gilmanii*. Syrup. pK_a 3.8.

Ca salt (2:1): [33759-35-2]. Cryst. (dioxan aq.).

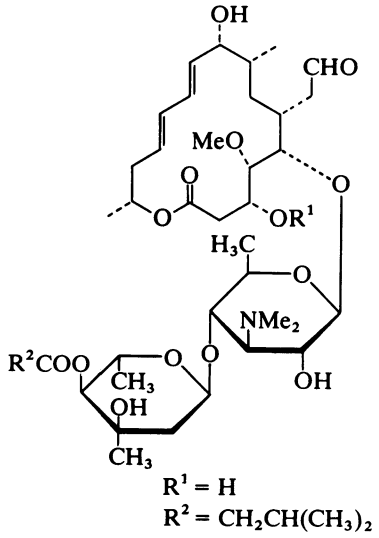
Me ether, bis-2,4-dinitrophenylhydrazone, tetra-Ac: [33759-33-0]. Cryst. ($CHCl_3$/hexane). Mp 198° dec.

Rice, F.A.H., *Proc. Soc. Exp. Biol. Med.*, 1966, **123**, 189 (*isol, ir, uv*)
Rice, F.A.H., *Appl. Microbiol.*, 1967, **15**, 790.
Rice, F.A.H., *J. Chem. Soc.* (*C*), 1971, 2599 (*isol, ir, uv*)
Rice, F.A.H., *CA*, 1973, **78**, 53166 (*rev*)

Leucomycin A_1 L-00032

Leucomycin V, 4^B-(*3-methylbutanoate*), *9CI. Turimycin* H_5

[16846-34-7]



R^1 = H
R^2 = $CH_2CH(CH_3)_2$

$C_{40}H_{67}NO_{14}$ M 785.968

Macrolide antibiotic. Major (and most biol. active) component of Leucomycin complex. Isol. from *Streptomyces kitasatoensis* and *S. hygroscopius*. Activity against gram-positive and some gram-negative bacteria. $[\alpha]_D^{25}$ −66.0° (c, 1 in $CHCl_3$). pK_a 6.69 (50% EtOH).

▷OH4725000.

3-Ac: see Leucomycin A_3, L-00033

Tri-Ac: [22875-07-6]. Needles (CCl_4). Mp 124-126°. $[\alpha]_D^{25}$ −82.5° (c, 1.3 in $CHCl_3$).

Leucomycin complex: [1392-21-8]. *Leucomycin.* ***Kitasamycin, INN, USAN.*** *Ayermicina. Katasamycin. Kitamycin. Sineptine. Stereomycine. Syneptine.* A mixt. of Leucomycins A_1, A_2, B_1-B_4. Antibacterial. Powder (Me_2CO). $[\alpha]_D^{20}$ −67.1° (EtOH). Dec. at 125°.

▷OH4550000.

Hata, S. *et al*, *Chem. Pharm. Bull.*, 1967, **15**, 358 (*struct*)
Omura, S. *et al*, *J. Antibiot., Ser. A*, 1968, **21**, 199 (*struct*)
Ogura, H. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 844 (*nmr*)
Toju, H. *et al*, *Drug Action Drug Resist. Bact.*, 1971, **1**, 267 (*rev*)
Omura, S. *et al*, *Tetrahedron*, 1972, **28**, 2839 (*conformn*)
Japan. Pat., 77 76 485, (*1977*); *CA*, **87**, 166001x (*manuf*)
Fricke, H. *et al*, *J. Chromatogr.*, 1978, **153**, 495 (*chromatog*)
Fricke, H. *et al*, *Pharmazie*, 1984, **39**, 414 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 97.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1701, 1702.

Leucomycin A_3 L-00033

Leucomycin V, *3-acetate* 4^B-(*3-methylbutanoate*), *9CI.* ***Josamycin, INN, JAN, USAN.*** *Platenomycin* A_3. *Turimycin* A_5. *Iosalide. Jomybel. Josacine. Josalid. Josaxin. Proxacin. Yosaxin. X-7-III. YL 704A_3. Antibiotic X-7-III. Antibiotic YL 704*A_3

[16846-24-5]

As Leucomycin A_1, L-00032 with

R^1 = Ac, R^2 = $CH_2CH(CH_3)_2$

$C_{42}H_{69}NO_{15}$ M 828.005

Macrolide antibiotic. Isol. from *Streptomyces kitasatoensis*, *S. hygroscopicus*, *S. narbonensis* and *S. platensis*. Active against gram-positive bacteria, particularly rickettsia. Prisms (C_6H_6). Mp 120-121°. $[\alpha]_D$ −58.0° (c, 2.0 in MeOH), −55.4 (c, 1.8 in $CHCl_3$). pK_a 6.70 (50% EtOH). λ_{max} 231.5 nm.

▷OH4725810.

Di-Ac: Needles. Mp 125-126°.

9-Propanoyl: [40922-77-8]. *Josamycin propionate. Josamy. Wilprafen. YS 20*P.
$C_{45}H_{73}NO_{16}$ M 884.069
Antibacterial.

Thiosemicarbazone: Mp 138-140°.

Omura, S. *et al*, *Tetrahedron Lett.*, 1967, 609, 1267 (*struct*)
Osono, T. *et al*, *Drug Action Drug Resist. Bact.*, 1971, **1**, 41 (*rev*)
Suzuki, M. *et al*, *Tetrahedron Lett.*, 1971, 435 (*isol*)
Freiberg, L.A. *et al*, *J. Org. Chem.*, 1974, **39**, 2474 (*config*)
Kinumaki, A. *et al*, *J. Antibiot.*, 1974, **27**, 102, 107, 117 (*isol, struct*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 6600 (*biosynth*)
Neszmelyi, A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1976, 97 (*cmr*)
Japan. Pat., 77 76 485, (*1977*); *CA*, **87**, 166001x (*manuf*)
Omura, S. *et al*, *J. Med. Chem.*, 1977, **20**, 732 (*deriv*)
Muroi, M. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 2718 (*abs config*)
Nicolaou, K.C. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 1222 (*synth*)
Pavia, M.R., *Diss. Abstr. Int. B*, 1982, **43**, 732 (*synth*)
Ye, Y. *et al*, *CA*, 1984, **101**, 87090 (*isol*)
Paterson, I. *et al*, *Tetrahedron*, 1985, **41**, 3569 (*rev*)
Wildfever, A. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 639 (*pharmacol*)

Leucomycin A_5 L-00034

Leucomycin V, *4^B-butanoate*, *9CI*. *Turimycin* H_4

[18361-45-0]

As Leucomycin A_1, L-00032 with

$$R_1 = H, R_2 = CH_2CH_2CH_3$$

$C_{39}H_{65}NO_{14}$ M 771.941
Macrolide antibiotic. Isol. from *Streptomyces kitasatoensis* and *S. hygroscopicus*. Antibiotic activity similar to A_1. Mp 120-123°. $[\alpha]_D^{25}$ −52.0° (c, 1.0 in $CHCl_3$). pK_a 6.69 (50% EtOH). λ_{max} 231.5 nm. Comly. available Kitasamycin, BAN, INN, USAN consists mainly of Leucomycins A_4 and A_5.

3-Ac: [18361-46-1]. ***Leucomycin* A_4**. *Leucomycin* V *3-acetate 4^B-butanoate*, *9CI*.
$C_{41}H_{67}NO_{15}$ M 813.978
Isol. from *S. kitasatoensis*. Antibiotic. Mp 126-127°. $[\alpha]_D^{25}$ −50.0° (c, 1 in $CHCl_3$).

▷OH4725760.

3^B-Propanoyl: [74014-51-0]. ***Rokitamycin, INN***. *Leucomycin V, 4^B-butanoate 3^B-propanoate*, *9CI*. *Prokitamycin. Ricamycin. TMS 19Q. Antibiotic TMS 19Q.*
$C_{42}H_{69}NO_{15}$ M 828.005
Semisynthetic. Active against gram-positive bacteria and mycoplasma. Mp ca. 116°. $[\alpha]_D^{20}$ −71° (c, 1 in $CHCl_3$).

Tri-Ac: Cryst. (CCl_4). Mp 125-126°. $[\alpha]_D^{25}$ −80.0° (c, 1 in $CHCl_3$).

Omura, S. *et al*, *J. Antibiot., Ser. A*, 1967, **20**, 234; 1968, **21**, 272 (*struct*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4001 (*nmr*)
Japan. Pat., 77 76 485, (*1977*); *CA*, **87**, 166001x (*manuf*)
Omura, S. *et al*, *J. Med. Chem.*, 1977, **20**, 732 (*deriv*)
Sakakibara, H. *et al*, *J. Antibiot.*, 1981, **34**, 1001 (*Rokitamycin*)
Jardim, M.E. *et al*, *Int. J. Mass. Spectrom. Ion Phys.*, 1983, **48**, 189 (*ms*)
Hara, K., *Jpn. J. Antibiot.*, 1987, **40**, 1851 (*rev, Rokitamycin*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2827.

Leuprorelin, BAN, INN L-00035

*6-D-Leucine-9-(*N*-ethyl-L-prolinamide)-10-deglycinamide-luteinizing hormone-releasing factor (pig)*, *9CI*. *Leuprolide*

[53714-56-0]

H-5-oxoPro-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt

$C_{59}H_{84}N_{16}O_{12}$ M 1209.413
Antineoplastic agent, highly potent LHRH analogue used in treatment of prostatic cancer. $[\alpha]_D^{26}$ −33°° (c, 0.5 in AcOH aq.).

▷OK6700000.

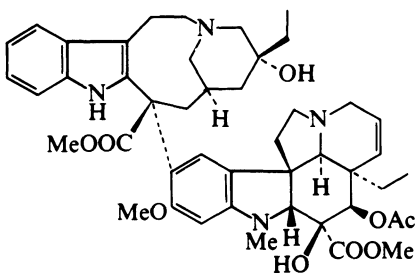
B,AcOH: [74381-53-6]. *Leuprolide acetate*, *USAN*. *Carcinil. Leuprolidine. Leupron. Abbott 43818. DC-2-269. TAP 144.*
$C_{61}H_{88}N_{16}O_{14}$ M 1269.465

Vilchez-Martinez, J.A. *et al*, *Biochem. Biophys. Res. Commun.*, 1974, **59**, 1226 (*synth, pharmacol*)
Deslauriers, R. *et al*, *Biochemistry*, 1976, **15**, 4672 (*cmr*)
Fujino, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1980, 668 (*synth*)
Fukuda, T. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 2825 (*synth*)
Matsuzawa, A. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1982, **18**, 495 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12895.

Leurosidine L-00036

Vinrosidine, INN. *Lilly 36781*

[15228-71-4]



Absolute configuration

$C_{46}H_{58}N_4O_9$ M 810.986
Alkaloid from *Vinca rosea* (*Catharanthus roseus*) (Apocynaceae). Antineoplastic agent. Mp 210-212° dec. $[\alpha]_D^{25}$ +55.8° (c, 1 in $CHCl_3$).

▷OH6350000.

B, xH_2SO_4: [18556-44-0]. *Vinrosidine sulfate*, *USAN*.

▷OK6126000.

N$^{b'}$*-Oxide:* ***Leurosidine* N$^{b'}$*-oxide***.
$C_{46}H_{58}N_4O_{10}$ M 826.985
Isol. from *C. roseus* (Apocynaceae). Cryst. (Me_2CO). Mp 215-218°. $[\alpha]_D^{25}$ +26° (c, 0.5 in $CHCl_3$).

20′-Deoxy, 20′-epimer: [20072-25-7]. ***Isoleurosine***. *20′-Deoxyvinblastine. Deoxyvinblastine* A.
$C_{46}H_{58}N_4O_8$ M 794.986
Isol. from *C. roseus* (Apocynaceae). Blades (MeOH). Mp 202-206° dec. $[\alpha]_D^{26}$ +61.2° (c, 1 in $CHCl_3$).

N,O,O-*Tri-Ac:* Mp 154-159° dec. $[\alpha]_D^{25}$ +12.6° ($CHCl_3$).

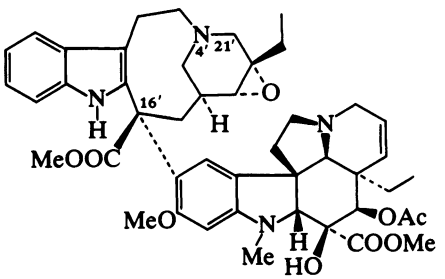
Svoboda, G.H. *et al*, *Lloydia*, 1961, **24**, 213 (*isol, uv, ir*)
Svoboda, G.H. *et al*, *J. Pharm. Sci.*, 1961, **50**, 409 (*Isoleurosine*)

Neuss, N. *et al*, *Tetrahedron Lett.*, 1967, 811 (*struct*)
Neuss, N. *et al*, *Tetrahedron Lett.*, 1968, 783 (*Isoleurosine*)
Wenkert, E. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1560 (*cmr, struct*)
Langlois, N. *et al*, *Tetrahedron Lett.*, 1976, 1099 (*synth, ms, pmr*)
Mukhopadhyay, S. *et al*, *J. Nat. Prod.*, 1981, **44**, 611 (*oxide*)

Leurosine L-00037

Vinleurosine, INN. *Lilly 32645. NSC 528004*

[23360-92-1]



Absolute configuration

$C_{46}H_{56}N_4O_9$ M 808.970

Alkaloid from *Catharanthus roseus* (*Vinca rosea*), *C. lanceus*, *C. ovalis*, and *C. longifolius* (Apocynaceae). Antineoplastic agent. Mp 202-205° dec. (anhyd.).

▷OH6370000.

B,H_2SO_4: [1404-95-1]. *Vinleurosine sulfate, USAN.* Mp 238-242° dec. $[\alpha]_D$ −8.3° (MeOH).

$N^{4'}$-Oxide: [39608-80-5]. ***Pleurosine.***

$C_{46}H_{56}N_4O_{10}$ M 824.969

Alkaloid from *C. roseus* (Apocynaceae). Noncryst.

20'-Oxo: ***21'-Oxoleurosine.***

$C_{46}H_{54}N_4O_{11}$ M 838.953

Alkaloid from *C. roseus* (Apocynaceae). Needles (MeOH). Mp 212-215°. $[\alpha]_D^{25}$ +55.0° (c, 0.10 in $CHCl_3$).

16'-Demethoxycarbonyl: [61927-01-3]. ***Vincovalinine.***

$C_{44}H_{54}N_4O_7$ M 750.933

Alkaloid from the aerial parts of *C. ovalis* (Apocynaceae). $[\alpha]_D$ +19° (c, 0.3 in $CHCl_3$).

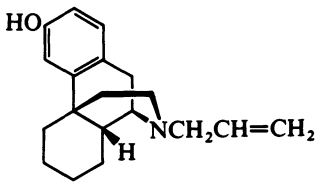
N-Demethyl-N-formyl: see Vinformide, V-00039

Neuss, N. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4754 (*ir, uv, pmr, ms, struct, oxide*)
Neuss, N. *et al*, *Tetrahedron Lett.*, 1968, 783 (*ir, uv, pmr, ms, struct, oxide*)
Wenkert, E. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 4990 (*cmr, struct*)
Wenkert, E. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1560 (*cmr, struct*)
Kutney, J.P. *et al*, *Can. J. Chem.*, 1978, **56**, 62 (*synth*)
Langlois, N. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 582 (*synth*)
El-Sayed, A. *et al*, *J. Nat. Prod.*, 1980, **43**, 157 (*21'-Oxoleurosine*)
Langlois, N. *et al*, *Helv. Chim. Acta*, 1980, **63**, 793 (*Vincovalinine*)
Kutney, J.P. *et al*, *Helv. Chim. Acta*, 1982, **65**, 2088 (*biosynth*)

Levallorphan, BAN, INN L-00038

17-(2-Propenyl)morphinan-3-ol, 9CI. 17-Allylmorphinan-3-ol, 8CI. N-*Allyl-3-hydroxymorphinan. Naloxifan. Naloxiphan*

[152-02-3]



Absolute configuration

$C_{19}H_{25}NO$ M 283.413

Narcotic antagonist. Mp 180-182°. $[\alpha]_D^{20}$ −88.9° (MeOH).

▷QD0350000.

Tartrate: [71-82-9]. *Levallorphan tartrate, USAN. Lorfan. Ro 1-7700.* Sol. H_2O. Mp 176-177°. $[\alpha]_D^{16}$ −39° (H_2O).

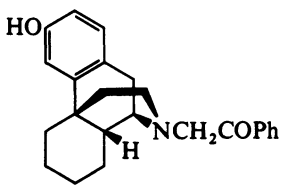
▷QD0480000.

Hellerbach, J. *et al*, *Helv. Chim. Acta*, 1956, **39**, 429 (*synth*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 608 (*ms*)
Rudy, B.C. *et al*, *Anal. Profiles Drug Subst.*, 1973, **2**, 339 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7303.

Levophenacylmorphan, INN L-00039

17-(2-Oxo-2-phenylethyl)morphinan-3-ol. Benzorphanol. NIH 7525. Ro 4-0288/1

[10061-32-2]



Absolute configuration

$C_{24}H_{27}NO_2$ M 361.483

Narcotic analgesic, sedative. Mp 173-175°.

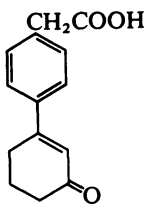
B,HCl: [20226-08-8]. Yellowish prisms. Sl. sol. cold H_2O, sol. hot H_2O. Mp 254.5° dec. $[\alpha]_D^{20}$ −72° (c, 1.02 in MeOH).

Grüssner, A. *et al*, *Helv. Chim. Acta*, 1957, **40**, 1232 (*synth*)

Lexofenac, INN L-00040

4-(3-Oxo-1-cyclohexen-1-yl)benzeneacetic acid, 9CI. [p-(*3-Oxo-1-cyclohexen-1-yl*)*phenyl*]*acetic acid*

[41387-02-4]



$C_{14}H_{14}O_3$ M 230.263

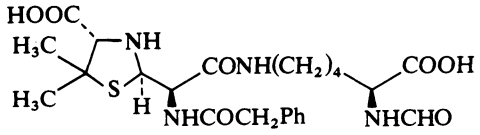
Antiinflammatory agent, analgesic. Mp 125°.

Ger. Pat., 2 243 305, (*1973*); *CA*, **78**, 147578p (*synth, pharmacol*)
Maillard, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 161 (*synth*)

Libecillide, INN **L-00041**

N^6-[*2-(4-Carboxy-5,5-dimethyl-2-thiazolidinyl)-N-(phenylacetyl)glycyl*]-N^2-*formyllysine, 9CI. 2-[[(5-Carboxy-5-formamidopentyl)carbamoyl](2-phenylacetamido)methyl]-5,5-dimethyl-4-thiazolidinecarboxylic acid, 8CI. BPO-FLYS. Lisocillide. Ro 6-0787*

[27826-45-5]



$C_{23}H_{32}N_4O_7S$ M 508.588

Drug which inhibits allergic reaction to penicillin.

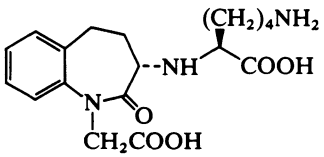
Na salt: Mp 157-160°. $[\alpha]_D^{25}$ +30.3° (c, 1.0 in H_2O).

Ger. Pat., 2 211 420, (*1972*); *CA*, **72**, 168610 (*synth, pharmacol*)

Libenzapril, INN **L-00042**

3-[(5-Amino-1-carboxypentyl)amino]-2,3,4,5-tetrahydro-2-oxo-1H-1-benzazepine-1-acetic acid, 9CI

[97878-35-8]



$C_{18}H_{25}N_3O_5$ M 363.413

Antihypertensive agent. Mp 179° dec. (monohydrate). $[\alpha]_D$ −179° (c, 1.0 in H_2O).

Et ester: [97878-67-6]. Mp 85-87° (as hydrochloride). $[\alpha]_D$ −149° (c, 0.75 in MeOH).

Stanton, J.L. *et al, J. Med. Chem.*, 1985, **28**, 1603 (*synth, pharmacol*)

U.S.P., 4 575 503, (*1986*); *CA*, **105**, 42673p (*synth, derivs*)

Lidamidine, INN **L-00043**

N-(2,6-Dimethylphenyl)-N′-[imino(methylamino)methyl]urea, 9CI

[66871-56-5]



$C_{11}H_{16}N_4O$ M 220.274

Antiperistaltic, antidiarrhoeal drug.

B,HCl: [65009-35-0]. *Lidamidine hydrochloride, USAN. Idealid. Lidaral. Lidamal. WHR 1142A. YM 11256.* Mp 192-194.5°.

▷YU4995000.

Belg. Pat., 844 832, (*1977*); *CA*, **88**, 22432m (*synth, pharmacol*)

Mir, S.N. *et al, Arzneim.-Forsch.*, 1978, **28**, 1448 (*pharmacol*)

Zalipsky, J.J. *et al, Arzneim.-Forsch.*, 1978, **28**, 1435, 1441, 1454 (*props, ir, nmr, ms*)

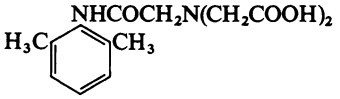
Di Joseph, J.F. *et al, Drug. Dev. Res.*, 1986, **7**, 101 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16875.

Lidofenin, USAN, INN **L-00044**

N-(Carboxymethyl)-N-[2-[(2,6-dimethylphenyl)amino]-2-oxoethyl]glycine, 9CI. HIDA. Hepato-Scan

[59160-29-1]



$C_{14}H_{18}N_2O_5$ M 294.307

Hepatic function determinant. Frequently used as ^{99}Tc-chelated complex. Mp 215-216°.

▷AK1380000.

Callery, P.S. *et al, J. Med. Chem.*, 1976, **19**, 962 (*synth, pmr, pharmacol*)

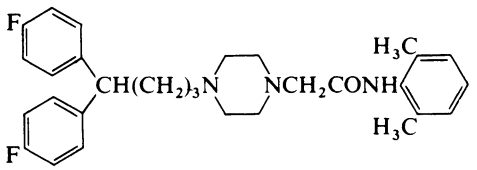
Fueger, C.F., *Dev. Nucl. Med.*, 1981, **1**, 54 (*rev, props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5878.

Lidoflazine, USAN, BAN, INN **L-00045**

4-[4,4-Bis(4-fluorophenyl)butyl]-N-(2,6-dimethylphenyl)-1-piperazineacetamide, 9CI. 4-[4,4-Bis(p-fluorophenyl)butyl]-1-piperazineaceto-2′,6′-xylidide, 8CI. Angex. Clavidene. Clinium. Corflazine. Klinium. Klintab. Ordiflazine. McN JR 7904. R 7904

[3416-26-0]



$C_{30}H_{35}F_2N_3O$ M 491.623

Coronary vasodilator, heart stimulant. Mp 159-161°.

Netherlands App., 6 507 312, (*1965*); *CA*, **64**, 12704h (*synth*)

Germain, G. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 1971 (*cryst struct*)

Vanhoutte, P.M. *et al, Int. Congr. Symp. Ser.-R. Soc. Med.*, 1980, **29**, 61 (*rev, pharmacol*)

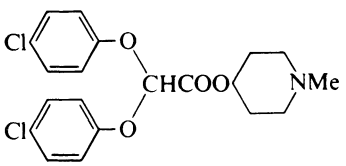
Vanhoutte, P.M. *et al, New Drugs Annu: Cardiovasc. Drugs*, 1983, **1**, 203 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9250.

Lifibrate, USAN, INN **L-00046**

1-Methyl-4-piperidinyl bis(4-chlorophenoxy)acetate, 8CI. Bis(4-chlorophenoxy)acetic acid 1-methyl-4-piperidinyl ester, 9CI. MPCA. SaH 42-348

[22204-91-7]



$C_{20}H_{21}Cl_2NO_4$ M 410.296

Antihyperlipidaemic. Cryst. (EtOH). Mp 93-95°.

B,HCl: Cryst. (EtOH). Mp 158-159°.

Fumarate: Cryst. (MeOH). Mp 100-112° dec.

U.S.P., 3 575 988, (*1971*); *CA*, **71**, 30364e (*synth*)

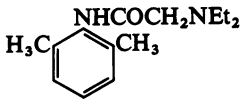
Grisar, J.M. *et al, J. Med. Chem.*, 1972, **15**, 1273 (*pharmacol, pmr, uv*)

Roberts, P.J., *Drugs Future*, 1978, **3**, 200 (*rev*)

Lignocaine, BAN **L-00047**

*2-(Diethylamino)-N-(2,6-dimethylphenyl)acetamide, 9CI. 2-(Diethylamino)-2',6'-acetoxylidide, 8CI. N-Diethylaminoacetyl-2,6-dimethylaniline. **Lidocaine, INN. Broncaine. Xylocaine. Numerous proprietary names***

[137-58-6]



$C_{14}H_{22}N_2O$ M 234.341

Local anaesthetic, antiarrhythmic agent. Needles (C_6H_6 or EtOH). Mp 68-69°. Bp_4 180-182°.

▷AN7525000.

B,HCl: [73-78-9]. *Lidocaine hydrochloride, USAN. Xylocard.* Sol. H_2O. Mp 127-129°.

▷AN7600000.

N-Ethyliodide: QX-314.

$C_{16}H_{27}IN_2O$ M 390.307

Na channel blocker. Mp 209-210°.

▷TJ9100000.

Harms, A.F. *et al, J. Med. Chem.*, 1961, **4**, 575 (*synth, pharmacol*)
Garland, W.A. *et al, Biomed. Mass. Spectrom.*, 1974, **1**, 124 (*ms*)
Jones, R.L., *J. Pharm. Sci.*, 1974, **63**, 1170 (*ir*)
Yoo, C.S. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 1354 (*cryst struct*)
Goto, S. *et al, Yakugaku Zasshi*, 1979, **99**, 146.
Singh, S.P. *et al, Spectrosc. Lett.*, 1979, **12**, 95 (*nmr*)
Connors, B.W. *et al, J. Pharmacol. Exp. Ther.*, 1982, **220**, 476 (*Ethyl iodide*)
Noneman, J.W. *et al, Drug Treat. Card. Arrhythmias*, 1983, 193 (*rev, pharmacol*)
Groeningsson, K. *et al, Anal. Profiles Drug Subst.*, 1985, **14**, 207 (*rev*)
Powell, M.F., *Anal. Profiles Drug Subst.*, 1986, **15**, 761 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7601, 7602.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3325 (*synonyms*)

Lignosulfonic acid **L-00048**

[8062-15-5]

Sulphonated form of coniferyl alcohol polymer. Derived from coniferous wood. Pepsin inhibitor.

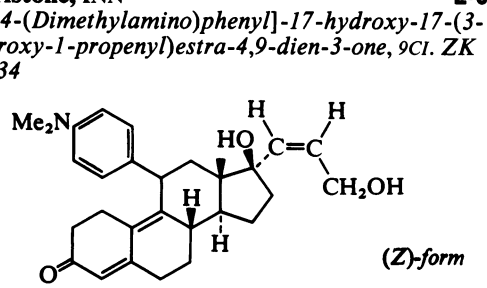
Na salt: [8061-51-6]. *Polignate sodium, USAN.*

▷OI6174000.

Parrish, J.R., *J. Chem. Soc.* (*C*), 1967, 1145 (*synth*)
Ital. Pat., 835 061, (*1969*); *CA*, **77**, 36674b (*synth*)
Vovac, J.A. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **177**, 150 (*pharmacol*)
Alphin, R.S. *et al, Experientia*, 1972, **28**, 53 (*pharmacol*)

Lilopristone, INN **L-00049**

(1-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxy-1-propenyl)estra-4,9-dien-3-one, 9CI. ZK 98734



(Z)-form

$C_{29}H_{37}NO_3$ M 447.616

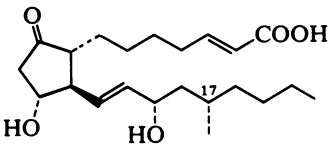
(Z)-form [97747-88-1]

Abortifacient. Pale-yellow foam. $[\alpha]_D$ +203.5° ($CHCl_3$).

Ger. Pat., 3 347 126, (*1985*); *CA*, **104**, 186715 (*synth*)

Limaprost, INN **L-00050**

11,15-Dihydroxy-17,20-dimethyl-9-oxoprosta-2,13-dien-1-oic acid, 9CI. 17,20-Dimethyl-2,3-didehydro-PGE_1. Prorenal. ONO 1206. OP 1206



(17S)-form

$C_{22}H_{36}O_5$ M 380.523

(17S)-form [74397-12-9]

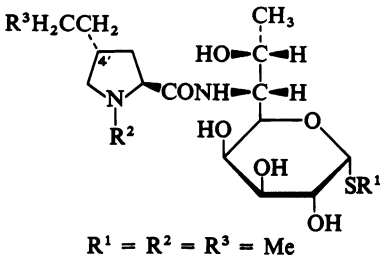
Vasodilator. Platelet aggregation inhibitor. Cryst. Mp 97-100°.

Ger. Pat., 3 002 677, (*1980*); *CA*, **93**, 238925 (*synth, pmr*)
Tsuboi, T. *et al, Arch. Int. Pharmacodyn. Ther.*, 1980, **247**, 89 (*pharmacol*)
Hecker, G. *et al, Prog. Clin. Biol. Res.*, 1987, **242**, 317 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2957.

Lincomycin, BAN, INN **L-00051**

Lincocin. Lincolnensin. NSC 70731. U 10149. Antibiotic U 10149

[154-21-2]



$R^1 = R^2 = R^3 = Me$

$C_{18}H_{34}N_2O_6S$ M 406.536

Isol. from *Streptomyces lincolnensis, S. espinosus* and *S. variabilis*. Clinically used broad-spectrum antibiotic. Amorph. $[\alpha]_D$ +158° (c, 1 in H_2O). pK_a 7.5. More stable in the salt form.

▷RH6314000.

B,HCl: [859-18-7]. *Numerous proprietary names.* Cryst. + ½H_2O. Mp 155-157° dec. $[\alpha]_D$ +137° (c, 1 in H_2O).

▷RH6315000.

Tetra-Ac; B,HCl: Cryst. ($CHCl_3/Et_2O$). Mp 226-233°. $[\alpha]_D$ +149° (c, 1 in H_2O).

S-Oxide: [22083-92-7]. ***Lincomycose**. Lincomycin sulfoxide.*

$C_{18}H_{34}N_2O_7S$ M 422.536

From *S. lincolnensis*. Active against gram-positive and -negative bacteria.

1-De(methylthio), 1-hydroxy: ***1-Demethylthio-1-hydroxylincomycin**.*

$C_{17}H_{32}N_2O_7$ M 376.449

From *S. lincolnensis*. Active against gram-positive bacteria.

4'-Depropyl-4'-pentyl: [17057-62-4]. *4'-Depropyl-4'-pentyllincomycin.*

$C_{20}H_{38}N_2O_6S$ M 434.590

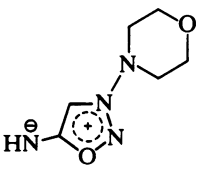
From *S. lincolnensis* incubated with 4-Pentylproline. Active against gram-positive bacteria.

Lewis, C.N. *et al*, *Antimicrob. Agents Chemother.*, 1962, 570 (*isol, bibl*)
Argoudelis, A.D. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 5044 (*isol, ir, pmr, struct*)
Argoudelis, A.D. *et al*, *J. Antibiot.*, 1969, **22**, 289 (*derivs*)
Eble, T.E. *et al*, *J. Antibiot.*, 1970, **23**, 1 (*isol*)
Howarth, G.B. *et al*, *J. Chem. Soc.* (*C*), 1970, 2218 (*synth*)
Magerlein, B.J., *Tetrahedron Lett.*, 1970, 33; *J. Med. Chem.*, 1972, **15**, 1255 (*synth*)
Savage, G.M., *Infection* (*Munich*), 1974, **3**, 152 (*rev, use*)
Woolard, G.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 950 (*synth*)
Mizsak, S. *et al*, *Tetrahedron Lett.*, 1977, 721 (*nmr*)
Eble, T.E., *J. Chromatogr. Libr.*, 1978, **15**, 231 (*rev*)
Chang, F.N., *Antibiotics* (*N.Y.*), 1979, **5**, 127 (*rev*)
Phillips, I., *J. Antimicrob. Chemother.*, 1981, **7**, 11 (*rev, pharmacol*)
Pechera, J.C., *Pathol. Biol.*, 1986, **34**, 119 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5071 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 98.

Linsidomine, INN L-00052

3-(4-Morpholinyl)sydnone imine, *9CI. 3-Morpholinosydnonimine. SIN I*

[33876-97-0]



$C_6H_{10}N_4O_2$ M 170.171

Coronary vasodilator.

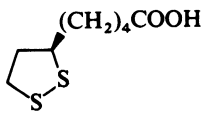
B,HCl: [16142-27-1]. Cryst. (EtOH). Mp 190-191° dec.

Kikuchi, K. *et al*, *Jpn. J. Pharmacol.*, 1970, **20**, 23, 187 (*pharmacol*)
Masuda, K. *et al*, *Chem. Pharm. Bull.*, 1970, **18**, 128 (*synth*)
Block, H.U. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 189; 1986, **36**, 1129 (*pharmacol*)

α-Lipoic acid L-00053

1,2-Dithiolane-3-pentanoic acid, *9CI. Protogen* A. *Thioctic acid. Other proprietary names*

[62-46-4]



(*R*)-*form*
Absolute configuration

$C_8H_{14}O_2S_2$ M 206.317

▷JP1190000.

(*R*)-*form* [1200-22-2]

Naturally occurring isomer, which is a growth factor for many bacteria and protozoans. Cryst. Mp 46-48°. $[\alpha]_D^{23}$ +104° (c, 0.88 in C_6H_6). pK_a 5.4.

S^1-*Oxide:* [6992-30-9]. ***β*-Lipoic acid**. *Protogen* B. *Lipoic thiosulfinate.*
$C_8H_{14}O_3S_2$ M 222.317
Prod. by bacteria, e.g. *Escherichia* spp. $[\alpha]_D^{25}$ +105°. Stereochem. apparently not established.

(*S*)-*form* [1077-27-6]

Cryst. (cyclohexane). Mp 45-47.5°. $[\alpha]_D^{23}$ −113° (c, 0.88 in C_6H_6).

(±)-*form* [1077-28-7]

Used to treat liver disease and in cases of *Amanita* toadstool poisoning (liver necrosis). Pale yellow plates (cyclohexane) or by subl. Prac. insol. H_2O. Mp 59-61°. Bp_{25} 85-90°. pK_a 4.7.

Hornberger, C.S. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2382 (*synth*)
Reed, L.J. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 2383 (*struct*)
Bullock, M.W. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 1828 (*oxide*)
Schmidt, U. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1965, **4**, 846 (*rev, bibl*)
Neubert, L.A. *et al*, *Tetrahedron Lett.*, 1974, 3543 (*cd*)
Koike, M. *et al*, *Metab. Pathways, 3rd Ed.*, 1975, **7**, 87 (*rev, metab*)
Koike, M., *Method Chim.*, 1977, **11**, 112 (*rev, props*)
Paukstelis, J.V. *et al*, *J. Org. Chem.*, 1977, **42**, 3941 (*cmr*)
Furr, H.C. *et al*, *Arch. Biochem. Biophys.*, 1978, **185**, 576 (*oxide*)
Parry, R.J. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 5243 (*biosynth*)
Tsuji, J. *et al*, *J. Org. Chem.*, 1978, **43**, 3606 (*synth*)
Brookes, M.H. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 1051 (*synth, abs config*)
Elliot, J.D. *et al*, *Tetrahedron Lett.*, 1985, **26**, 2535 (*synth*)
Page, P.C.B. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 1408 (*synth*)
Rao, A.V.R. *et al*, *Carbohydr. Res.*, 1986, **148**, 51 (*synth*)
Menon, R.B. *et al*, *Tetrahedron Lett.*, 1987, **28**, 5313 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13325.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 996 (*synonyms*)

Lipotropin L-00054

β-Lipotropic hormone, *9CI. LPH*

[37377-93-8]

Linear peptide with 90 aminoacid residues. For full struct. see Chrétien, M. *et al*, *Nature* (*London*), 1965, **208**, 1093

M ~10,000

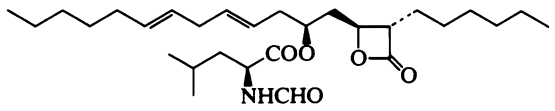
Endocrine hormone of the anterior pituitary derived from pro-piomelanocortin. β-Lipotropin itself contains the sequences of γ-lipotropin, a less potent lipotropic hormone, β-melanotropin (β-MSH), [Met^5]-enkephalin and β-endorphin. β-Lipotropin stimulates the release of fatty acids from adipose tissue. The high degree of sequence homology in the C-terminal 56 residues of the lipotropin hormones of several spp. (bovine, ovine, porcine and human) correlates with the presence of the biologically active peptides (*vide supra*). Marked sequence differences exist in the N-terminal portions and even polymorphism within a sp. (human) has been suggested.

Birk, Y. *et al*, *J. Biol. Chem*, 1964, **239**, 1048 (*isol*)
Chrétien, M. *et al*, *Nature* (*London*), 1965, **208**, 193 (*struct*)
Chrétien, M. *et al*, *Int. J. Pept. Protein Res.*, 1972, **4**, 263 (*struct*)
Yamashiro, D. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 5174 (*synth*)
Krieger, D.T. *et al*, *Recent Prog. Hormone Res.*, 1980, **36**, 277 (*rev*)
Hsi, K.L. *et al*, *Biochem. Biophys. Res. Commun.*, 1981, **103**, 1329 (*struct*)
Li, C.H. *et al*, *Int. J. Pept. Protein Res.*, 1981, **17**, 131 (*struct*)
Li, C.H., *Biochem. Actions Horm.*, 1982, **9**, 1 (*rev, props*)
Graf, L., *Handb. Neurochem.* (*2nd Ed.*), 1985, **8**, 47 (*rev*)

Lipstatin L-00055

N-*Formyl-L-leucine 1-[(3-hexyl-4-oxo-2-oxetanyl)-methyl]-3,6-dodecadienyl ester*, 9CI

[96829-59-3]



$C_{29}H_{49}NO_5$ M 491.710

Amino acid antibiotic. Isol. from *Streptomyces toxytricini*. Inhibits pancreatic lipase activity. Pale-yellow oil. $[\alpha]_D^{20}$ −19° (c, 1 in $CHCl_3$).

Tetrahydro: [96829-58-2]. N-*Formylleucine 1-[(3-hexyl-4-oxo-2-oxetanyl)methyl]dodecyl ester*, 9CI. *Tetrahydrolipstatin.* ***Orlipastat, INN.***

$C_{29}H_{53}NO_5$ M 495.741

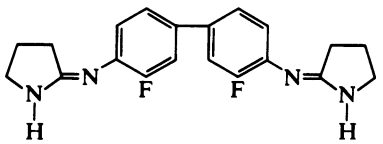
Pancreatic lipase inhibitor. Used to treat obesity. Mp 43°. $[\alpha]_D^{22}$ −33° (c, 1 in $CHCl_3$).

Barbier, P. *et al*, *Helv. Chim. Acta*, 1987, **70**, 196 (*synth, abs config*)
Hogan, S. *et al*, *Int. J. Obes.*, 1987, **11**, 35 (*pharmacol, deriv*)
Kupfer, E. *et al*, *J. Antibiot.*, 1987, **40**, 1081, 1086 (*isol, struct, props*)
Barbier, P. *et al*, *J. Org. Chem.*, 1988, **53**, 1218 (*synth, deriv, bibl*)

Liroldine, INN L-00056

N,N′-(*3,3′-Difluoro[1,1′-biphenyl]-4,4′-diyl)bis(4,5-dihydro-3H-pyrrol-2-amine*, 9CI

[105102-20-3]



$C_{20}H_{20}F_2N_4$ M 354.402

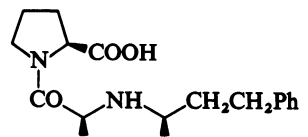
Amoebicide, trichomonacide.

Indian Pat., 157 285, (*1986*); *CA*, **106**, 4680b (*synth*)

Lisinopril, BAN, INN, USAN L-00057

1-[N²-(1-Carboxy-3-phenylpropyl)lysyl]proline, 9CI. *MK 521. L-154826*

[76547-98-3]



Absolute configuration

$C_{21}H_{31}N_3O_5$ M 405.493

(S)-L-L-form

Antihypertensive agent (ACE inhibitor). Cryst. (MeOH/EtOAc). Mp 159-160°. $[\alpha]_D^{25}$ −23.3° (c, 1 in MeOH).

Eur. Pat., 12 401, (*1980*); *CA*, **95**, 25634j (*synth, pharmacol*)
Brunner, D.B. *et al*, *Br. J. Clin. Pharmacol.*, 1981, **11**, 461 (*pharmacol*)
Derkx, F.H.M. *et al*, *Prog. Pharmacol.*, 1984, **5**, 93 (*pharmacol*)
Wu, M.T. *et al*, *J. Pharm. Sci.*, 1985, **74**, 352 (*synth*)
Lancaster, S.G. *et al*, *Drugs*, 1988, **35**, 646 (*rev*)
Noble, T.A. *et al*, *Clin. Pharm.*, 1988, **7**, 659 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16878.

Lithium carbonate, USAN L-00058

Eskalith. Lithane. Lithobid. Lithonate. Lithotabs. NSC 16895. Camcolit. Priadel. Quilonum retard. Other synonyms

[554-13-2]

Li_2CO_3

CLi_2O_3 M 73.891

Used in treatment of manic depression. Powder. d 2.11. Mp 618°.

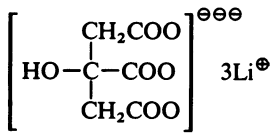
▷OJ5800000.

B.P., 785 979, (*1957*); *CA*, **52**, 7633c (*synth*)
Coppen, A., *Biochem. Soc. Trans.*, 1973, **1**, 74 (*rev*)
Effenberger, H. *et al*, *Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1979, **150**, 133 (*cryst struct*)
Stober, H.C., *Anal. Profiles Drug Subst.*, 1986, **15**, 367 (*rev, props, synth, pharmacol*)
Hunter, R., *Br. J. Clin. Pharmacol.*, 1988, **25**, 375 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5057.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 12.

Lithium citrate, USAN L-00059

2-Hydroxy-1,2,3-propanetricarboxylic acid trilithium salt. Cibalith-S. Demalit. Litarex. Lithonate-S

[6080-58-6]



$C_6H_5Li_3O_7$ M 209.924

Tetrahydrate. Loses all its water at 105°. Used in treatment of manic depression.

Avery, R.C. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1937, **37**, 131 (*activity*)
Glusker, J.P. *et al*, *Acta Cryst.*, 1965, **19**, 561 (*cryst struct*)
Loewenstein, A. *et al*, *Spectrochim. Acta*, 1966, **22**, 1939 (*pmr*)
Antonov, L. *et al*, *CA*, 1980, **93**, 142915w (*pharmacol*)

Lithium hydroxide, USAN L-00060

[1310-65-2]

LiOH

HLiO M 23.948

Absorbs CO_2 and H_2O from air. Antidepressant; used in treatment of manic depression. Granular powder. Mp 471°.

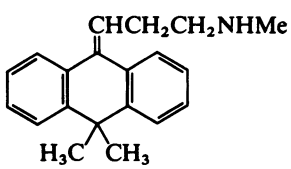
▷OJ6307070.

Inorg. Synth., 1957, **5**, 3 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7059.

Litracen, INN L-00061

3-(10,10-Dimethyl-9(10H)-anthracenylidene)-N-methyl-1-propanamine, 9CI. N,*10,10-Trimethyl-Δ*$^{9(10H),\alpha}$*-anthracenepropylamine*, 8CI. *9-(3-Methylaminopropylidene)-10,10-dimethyl-9,10-dihydroanthracene. N 7049*

[5118-30-9]



$C_{20}H_{23}N$ M 277.408

Antidepressant.

B,HCl: [10563-71-0]. Mp 198-200°.

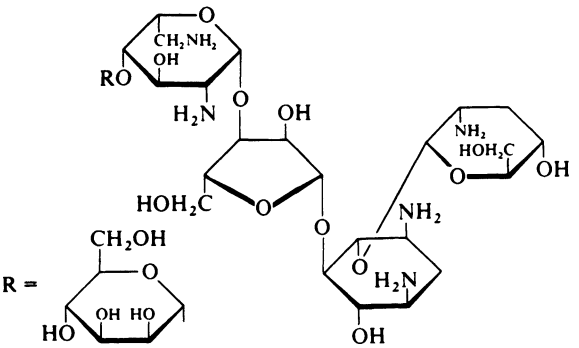
▷CB1000000.

Fr. Pat., 1 345 936, (*1963*); *CA*, **60**, 15891e (*synth, pharmacol*)

Lividomycin *A* L-00062

Lividomycin, INN. *Livaline 500. Quintomycin* B. *SF 767*A. *Antibiotic SF 767*A

[36441-41-5]



$C_{29}H_{55}N_5O_{18}$ M 761.776

Aminoglycoside antibiotic. Isol. from *Streptomyces lividus*. Active against gram-positive and gram-negative bacteria. Powder. Mp 197-203° dec. $[\alpha]_D^{25}$ +72° (c, 1 in H_2O).

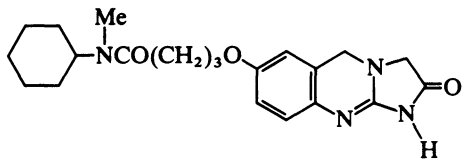
▷WK2140000.

Mori, T. *et al, J. Antibiot.*, 1971, **24**, 339 (*isol*)
Oda, T. *et al, J. Antibiot.*, 1971, **24**, 333, 511 (*isol, struct, ir, nmr*)
Yamamoto, H. *et al, J. Antibiot.*, 1972, **25**, 128, 485, 534 (*synth, ir, nmr, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 99.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 294.

Lixazinone, INN L-00063

N-*Cyclohexyl*-N-*methyl-4*-[(*1,2,3,5-tetrahydro-2-oxoimidazo*[*2,1*-b]*quinazolin-7-yl*)*oxy*]*butanamide*, *9CI. RS 82856*

[94192-59-3]



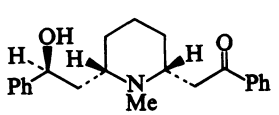
$C_{21}H_{28}N_4O_3$ M 384.477

Antithrombotic, cardiotonic. Mp 243-244°.

Alvarez, R. *et al, Mol. Pharmacol.*, 1986, **29**, 554 (*pharmacol*)
Jones, G.H. *et al, J. Med. Chem.*, 1987, **30**, 295, 303 (*synth, pharmacol*)

Lobeline, INN L-00064

2-[*6*-(*2-Hydroxy-2-phenylethyl*)-*1-methyl-2-piperidinyl*]-*1-phenylethanone*, *9CI. 8,10-Diphenyllobelionol*



(−)-*form*
Absolute configuration

$C_{22}H_{27}NO_2$ M 337.461

▷OJ8480000.

(−)-*form* [90-69-7]

α-Lobeline. Inflatine. Other proprietary names

Alkaloid from *Lobelia inflata, L. nicotianaefolia, L. hassleri, L. stallfeldii* and several other *L.* spp. Also isol. from seeds of *Campanula medium* (Campanulaceae). Used in antismoking preparations. Has been used as a respiratory stimulant. Needles (EtOH). Mp 130-131°. $[\alpha]_D^{15}$ −42.85° (EtOH). Oxidn. gives the symmetrical Lobelanine which is *meso-*.

▷OJ8480000.

B,HCl: [134-63-4]. *Zoolobelin. Lobran.* Needles (EtOH). Mp 182°.

▷OJ8490100.

B, $^1/_2H_2SO_4$: [134-64-5]. Cryst. (EtOH). $[\alpha]_D^{25}$ −25° (c, 0.2 in $CHCl_3$).

Benzoyl: Mp 155-157°.

(±)-*form* [134-65-6]

Lobelidine

Alkaloid from *L. inflata* and *L. salicifolia* (Campanulaceae). Analeptic agent. Prisms. Mp 110°.

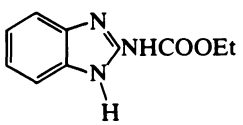
B,HCl: Mp 170°.

Wieland, H. *et al, Justus Liebigs Ann. Chem.*, 1929, **473**, 118 (*isol*)
Schöpf, C. *et al, Justus Liebigs Ann. Chem.*, 1965, **682**, 206; **687**, 241 (*abs config*)
Cambar, P.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **177**, 1 (*pharmacol*)
Korczyn, A.D. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **182**, 370 (*pharmacol*)
Döpke, W. *et al, Pharmazie*, 1970, **25**, 128 (*isol*)
Krochmal, A. *et al, Lloydia*, 1972, **35**, 303 (*isol*)
Shah, C.S. *et al, Phytochemistry*, 1972, **11**, 2884 (*isol, occur*)
Mansuri, S.M. *et al, Arzneim.-Forsch.*, 1973, **23**, 1721 (*pharmacol*)
O'Donovan, D.G. *et al, J. Chem. Soc., Perkin Trans. 1*, 1975, 415 (*biosynth*)
Alhadeff, M., *Drugs of Today*, 1977, **13**, 236 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1427.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6579.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1713.

Lobendazole, USAN, INN L-00065

*Ethyl 1*H-*benzimidazol-2-ylcarbamate*, *9CI. NSC 42044. SKF 24529*

[6306-71-4]



$C_{10}H_{11}N_3O_2$ M 205.216

Anthelmintic (veterinary), fungicide. Mp 179-200°.

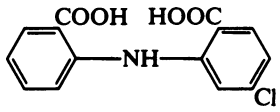
▷EY8590000.

Ridi, M. *et al, Ann. Chim.*, 1954, **44**, 28 (*synth, pharmacol*)
Kvalvag, J., *J. Chromatogr.*, 1974, **93**, 491 (*tlc*)

Lobenzarit, INN **L-00066**

2-[(2-Carboxyphenyl)amino]-4-chlorobenzoic acid, 9CI. 4-Chloro-2,2'-iminodibenzoic acid. 5-Chlorodiphenylamine-2,2'-dicarboxylic acid. Carfenil. CCA

[63329-53-3]



$C_{14}H_{10}ClNO_4$ M 291.690

Immunopotentiator, antiinflammatory agent. Mp ca. 340°.

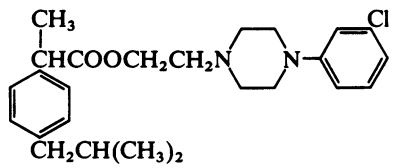
Di-Na salt: [64808-48-6]. *Lobenzarit sodium, USAN.* Mp 345°.

Ger. Pat., 2 526 092, (*1976*); *CA*, **87**, 52947e (*synth*)
Ohsugi, Y. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 2143 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16879.

Lobuprofen, INN **L-00067**

α-Methyl-4-(2-methylpropyl)benzeneacetic acid 2-[4-(3-chlorophenyl)-1-piperazinyl]ethyl ester, 9CI

[98207-12-6]



$C_{25}H_{33}ClN_2O_2$ M 429.001

Analgesic.

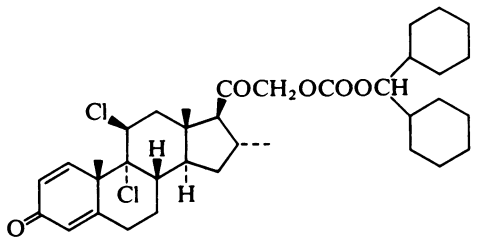
B,HCl: [98207-13-7]. Cryst. Mp 165-167°.

Eur. Pat., 141 884, (*1985*); *CA*, **103**, 160536 (*synth, pharmacol*)

Locicortone, INN **L-00068**

9,11-Dichloro-21-[[(dicyclohexylmethoxy)carbonyl]oxy]-16-methylpregna-1,4-diene-3,20-dione, 9CI

[78467-68-2]



$C_{36}H_{50}Cl_2O_5$ M 633.694

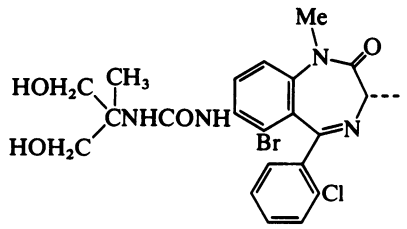
Glucocorticoid. Antiinflammatory. Antiallergic. Cryst. Mp 140°. $[\alpha]_D$ +133° (c, 0.02 in EtOH).

B.P., 2 054 600, (*1981*); *CA*, **95**, 169599z (*synth, pharmacol*)
Fr. Pat., 2 561 919, (*1985*); *CA*, **104**, 180215 (*pharmacol*)

Lodazecar, INN **L-00069**

N-[6-Bromo-5-(2-chlorophenyl)-2,3-dihydro-1,3-dimethyl-2-oxo-1H-1,4-benzodiazepin-7-yl]-N'-[2-hydroxy-1-(hydroxymethyl)-1-methylethyl]urea, 9CI. Ro 16-0521

[87646-83-1]



(S)-form

$C_{22}H_{24}BrClN_4O_4$ M 523.813

(S)-form

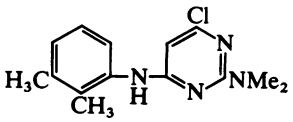
Inhibitor of cholesterol absorption. Cryst. (Me_2CO/hexane). Mp 190° dec. $[\alpha]_D^{25}$ +25.2° (c, 0.02 in MeOH).

Eur. Pat., 84 357, (*1983*); *CA*, **99**, 195009 (*synth, props*)
Balasubramaniam, S. *et al*, *Atherosclerosis* (*Shannon, Irel.*), 1986, **60**, 263 (*phamacol*)

Lodinixil, INN **L-00070**

6-Chloro-N⁴-(2,3-dimethylphenyl)-N²,N²-dimethyl-2,4-pyrimidinediamine, 9CI. BR 968

[86627-50-1]



$C_{14}H_{17}ClN_4$ M 276.768

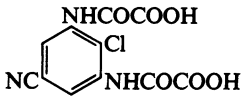
Antilipidaemic, antiatherosclerotic agent. Cryst. (EtOAc/*n*-hexane). Mp 146-147°.

D'Atri, G. *et al*, *J. Med. Chem.*, 1984, **27**, 1621 (*synth, pharmacol*)

Lodoxamide, BAN, INN **L-00071**

2,2'-[(2-Chloro-5-cyano-1,3-phenylene)diimino]bis[2-oxoacetic acid], 9CI. N,N'-*(2-Chloro-5-cyano*-m-*phenylene)dioxamic acid. 4-Chloro-3,5-bis(oxaloylamino)benzonitrile. U 42585*

[53882-12-5]



$C_{11}H_6ClN_3O_6$ M 311.638

Drug used for prophylaxis of allergic conditions. Mp 212° dec.

2-Amino-2-hydroxymethyl-1,3-propanediol salt: [63610-09-3]. *Lodoxamide trometamine, USAN.* Antiallergic.

Di-Et ester: [53882-13-6]. *Lodoxamide ethyl. U 42718.* $C_{15}H_{14}ClN_3O_6$ M 367.745

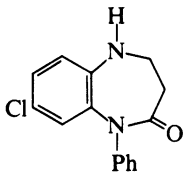
Antiasthmatic, antiallergic drug. Mp 177-179°.

Ger. Pat., 2 362 409, (*1972*); *CA*, **81**, 120781m (*synth, pharmacol*)
Wright, J.B. *et al*, *J. Med. Chem.*, 1978, **21**, 930 (*synth, pharmacol*)
Johnson, H.G., *Trends Pharmacol. Sci.*, 1980, **1**, 343 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12899.

Lofendazam, BAN, INN **L-00072**

8-Chloro-1,3,4,5-tetrahydro-1-phenyl-2H-1,5-benzodiazepin-2-one, 9CI, 8CI. Bu 1014

[29176-29-2]



$C_{15}H_{13}ClN_2O$ M 272.734

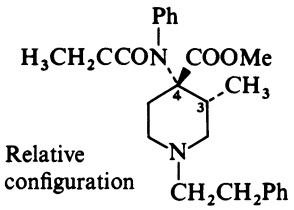
Tranquilliser. Cryst. (CH_2Cl_2/isopropyl ether). Mp 166-168°.

B,HCl: Mp 158-161°.

Ger. Pat., 1 929 656, (*1970*); *CA*, **74**, 88080 (*synth, pharmacol*)
Bauer, A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1972, **305**, 557 (*synth, pharmacol*)

Lofentanil, BAN, INN **L-00073**

3-Methyl-4-[(oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidinecarboxylic acid methyl ester, 9CI



$C_{25}H_{32}N_2O_3$ M 408.539

(3R*,4S*)-form [61380-40-3]

(−)-cis-*form*

Narcotic analgesic.

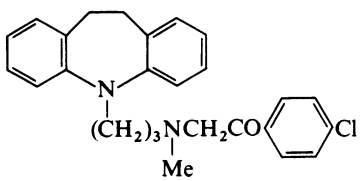
Oxalate (1:1): Lofentanil oxalate, USAN. R 34995. Mp 177°.

Ger. Pat., 2 610 228, (*1976*); *CA*, **86**, 29645a (*synth, pharmacol*)
Van Bever, W.F.M. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1548 (*pharmacol*)
Stahl, K.D. *et al*, *Eur. J. Pharmacol.*, 1977, **46**, 199 (*pharmacol*)
De Ranter, C. *et al*, *Arch. Int. Physiol. Biochim.*, 1979, **87**, 1031 (*isom*)
Cookson, R.F., *Clin. Anaesthesiol.*, 1983, **1**, 156 (*rev, pharmacol*)
Mather, L.E., *Clin. Pharmacokinet.*, 1983, **8**, 422 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12900.

Lofepramine, BAN, INN, JAN **L-00074**

1-(4-Chlorophenyl)-2-[[3-(10,11-dihydro-5H-dibenz[b,f]-azepin-5-yl)propyl]methylamino]ethanone, 9CI. 4'-Chloro-2-[3-(10,11-dihydro-5H-dibenz[b,f]-azepin-5-yl)propyl]acetophenone, 8CI. Lopramine

[23047-25-8]



$C_{26}H_{27}ClN_2O$ M 418.965

Antidepressant. Cryst. (MeOH or Me_2CO). Mp 104-106°.

B,HCl: [26786-32-3]. *Lopramine hydrochloride. Amplit. Deftan. Deprimil. Emdalen. Gamanil. Gamonil. Tymelet. Tymelyt. DB 2182. Leo 640.* Antidepressant. Cryst. (butanone). Mp 152-154°.

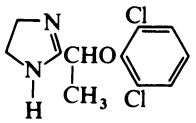
▷AM6485000.

Eriksoo, E. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1561 (*synth, pharmacol*)
Tulic, J.R. *et al*, *Arch. Pharmacol. Toxicol.*, 1973, **32**, 304 (*metab*)
Plym Forshell, G. *et al*, *Eur. J. Clin. Pharmacol.*, 1976, **9**, 291.
Wright, S. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1167 (*pharmacol*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1977, **13**, 205 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2522.

Lofexidine, BAN, INN **L-00075**

2-[1-(2,6-Dichlorophenoxy)ethyl]-4,5-dihydro-1H-imidazole, 9CI. 2-[(2,6-Dichlorophenoxy)ethyl]-2-imidazoline, 8CI

[31036-80-3]



$C_{11}H_{12}Cl_2N_2O$ M 259.135

(*R*)-form is more active isomer.

(R)-form [81447-78-1]

Levlofexidine, INN

Cryst. Mp 126-127°. $[\alpha]_D^{20}$ −90.0° (c, 1.0 in EtOH).

B,HCl: [87038-06-0]. Mp 229-230°. $[\alpha]_D^{20}$ −33.2° (c, 1.0 in EtOH).

(S)-form [81447-79-2]

Dexlofexidine, INN

Cryst. Mp 125-126°. $[\alpha]_D^{20}$ +73.7° (c, 1.0 in EtOH).

B,HCl: [87858-98-8]. Mp 236-237°. $[\alpha]_D^{20}$ +33.4° (c, 1.0 in EtOH).

(±)-form [73372-53-9]

Antihypertensive. Cryst. (pet. ether). Mp 126-128°.

B,HCl: [73372-54-0]. *Lofetensin. Loxacor. BA 168.* Cryst. (EtOH/Et_2O). Mp 230-232°.

Ger. Pat., 1 935 479, (*1971*); *CA*, **74**, 87979a (*synth, pharmacol*)
Blancafort, P., *Drugs Future*, 1978, **3**, 592 (*rev*)
Ger. Pat., 3 149 009, (*1983*); *CA*, **99**, 12246t (*synth, pharmacol*)
Merck Index, 10th Edition, 1983, 5388.
Biedermann, J. *et al*, *J. Med. Chem.*, 1986, **29**, 1183 (*synth, resol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12901.

Loflucarban, INN **L-00076**

N-(3,5-Dichlorophenyl)-N'-(4-fluorophenyl)thiourea, 9CI. 3,5-Dichloro-4'-fluorothiocarbanilide, 8CI. Clofluonide. Fluonid Orion. Fluonilid

[790-69-2]



$C_{13}H_9Cl_2FN_2S$ M 315.192

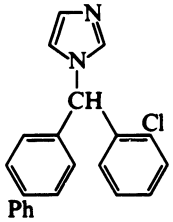
Antifungal, antibacterial, antiinflammatory agent. Cryst. (EtOH). Mp 148°.

Belg. Pat., 613 154, (*1962*); *CA*, **58**, 474f (*synth, pharmacol*)
Jadin, J. *et al*, *Ann. Soc. Belge. Med. Trop.*, 1962, **42**, 871; *CA*, **59**, 4293c (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2576.

Lombazole, BAN, INN **L-00077**

1-[(1,1'-Biphenyl)-4-yl(2-chlorophenyl)methyl]-1H-imidazole, 9CI. *Bay h 6020*

[60628-98-0]



$C_{22}H_{17}ClN_2$ M 344.843

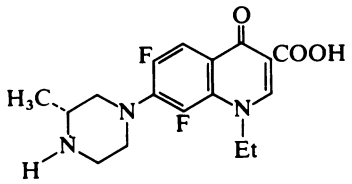
Antimicrobial preservative. Mp 90°.

Ger. Pat., 2 461 406, (*1976*); *CA*, **85**, 160095t (*synth, pharmacol*)

Lomefloxacin, INN **L-00078**

1-Ethyl-6,8-difluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, 9CI. *NY 198*

[98079-51-7]



(*R*)-*form*

$C_{17}H_{19}F_2N_3O_3$ M 351.352

Needles (EtOH). Mp 239-240.5°.

(***R*)-form** [98079-55-1]

Needles ($CHCl_3$). Mp 244.5-245°. $[\alpha]_D^{21}$ +39.5° (c, 1 in $CHCl_3$).

(***S*)-form** [98079-62-0]

Needles ($CHCl_3$). $[\alpha]_D^{20}$ −34.1° (c, 1 in $CHCl_3$).

(±)-form

Antibacterial agent.

B,HCl: [98079-52-8]. Needles (H_2O). Mp 290-300° dec.

Ger. Pat., 3 433 924, (*1985*); *CA*, **103**, 123517b (*synth, pharmacol*)

Saito, A. *et al*, *Antimicrob. Agents Chemother.*, 1988, **32**, 156 (*pharmacol*)

Lometraline, INN **L-00079**

*8-Chloro-1,2,3,4-tetrahydro-5-methoxy-*N,N*-dimethyl-1-naphthalenamine,* 9CI

[39951-65-0]



$C_{13}H_{18}ClNO$ M 239.744

Tranquilliser, antiparkinsonian drug.

B,HCl: [34552-78-8]. *Lometraline hydrochloride,* USAN. *CP 14368-1.* Mp 191-193°.

▷QM4985000.

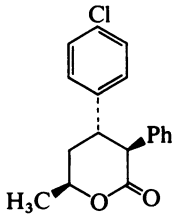
Sarges, R. *et al*, *J. Med. Chem.*, 1973, **16**, 1003 (*synth, pharmacol*)

Sarges, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1975, **192**, 351 (*pharmacol*)

Lomevactone, INN **L-00080**

4-(4-Chlorophenyl)tetrahydro-6-methyl-3-phenyl-2H-pyran-2-one, 9CI. *DR 250*

[81478-25-3]



(3*R*,4*R*,6*R*)-*form*

$C_{18}H_{17}ClO_2$ M 300.784

(3*R*,4*R*,6*R*)-form [82510-81-4]

Psychostimulant (antidepressant). Cryst. (EtOH). Mp 136-137°.

Axiotis, S. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 431, 439 (*synth*)

Axiotis, S. *et al*, *Tetrahedron*, 1982, **38**, 499 (*cryst struct*)

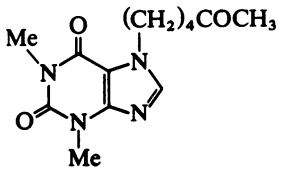
Poncelet, M. *et al*, *Psychopharmacology (Berlin)*, 1983, **80**, 184 (*pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4706.

Lomifylline, INN **L-00081**

3,7-Dihydro-1,3-dimethyl-7-(5-oxohexyl)-1H-purine-2,6-dione, 9CI. *7-(5-Oxohexyl)theophylline*

[10226-54-7]



$C_{13}H_{18}N_4O_3$ M 278.310

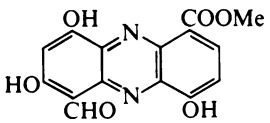
Peripheral vasodilator. Mp 75-76°.

Netherlands Pat., 6 511 581, (*1966*); *CA*, **65**, 20150h (*synth, pharmacol, tox*)

Lomofungin, USAN **L-00082**

Methyl 6-formyl-4,7,9-trihydroxy-1-phenazinecarboxylate, 9CI. *5-Formyl-4,6,8-trihydroxy-1-methoxycarbonylphenazine. Lomondomycin. NSC 106995. U 24792. Antibiotic U 24792*

[26786-84-5]



$C_{15}H_{10}N_2O_6$ M 314.254

Isol. from *Streptomyces lomondensis.* Broad-spectrum antibiotic. Mp >320°.

▷SG1576500.

Tri-Me ether: Mp 215-217°.

Bergy, M.E., *J. Antibiot.*, 1969, **22**, 126 (*isol, uv, ir, pmr, props*)

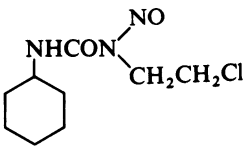
Tipton, C.D. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 1425 (*struct*)

Haber, A., *CA*, 1978, **89**, 18515u (*nmr*)

Lomustine, BAN, INN, USAN **L-00083**

N-(2-Chloroethyl)-N′-cyclohexyl-N-nitrosourea, 9CI. 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea, 8CI. Belustim. Belustine. Cecenu. Citostal. Lomeblastin. Lucostine. NSC 79037. RB 1509. CCNU

[13010-47-4]



$C_9H_{16}ClN_3O_2$ M 233.697

Antineoplastic drug. Yellow powder. Mp 90°.

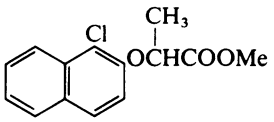
▷YS4900000.

Johnston, T.P. *et al*, *J. Med. Chem.*, 1966, **9**, 892 (*synth*)
Carter, S.K. *et al*, *Cancer. Chemother. Rep., Part 3*, 1968, **1**, 136 (*rev*)
Wheeler, G.P. *et al*, *Cancer Res.*, 1970, **30**, 1817 (*pharmacol*)
Lien, E.J. *et al*, *Spectrosc. Lett.*, 1972, **5**, 293 (*pmr*)
Thompson, G.R. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **21**, 405 (*pharmacol, tox*)
Neuman, M., *Drugs of Today*, 1976, **12**, 453 (*rev*)
Kohlhepp, S.J. *et al*, *Drug Metab. Dispos.*, 1981, **9**, 135 (*metab*)
Lown, J.W. *et al*, *J. Org. Chem.*, 1981, **46**, 5309 (*synth, cmr, N-15 nmr*)
Martinez, J. *et al*, *J. Med. Chem.*, 1982, **25**, 178 (*synth*)
Takeda, K. *et al*, *Tetrahedron Lett.*, 1983, **24**, 4569 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1841.

Lonaprofen, INN **L-00084**

Methyl 2-[(1-chloro-2-naphthalenyl)oxy]propionate, 9CI

[41791-49-5]



$C_{14}H_{13}ClO_3$ M 264.708

(±)-*form*

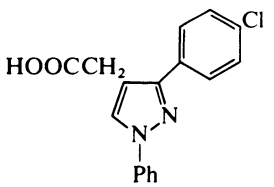
Analgesic, antipyretic agent. $Bp_{0.4}$ 155-157°.

Ger. Pat., 2 251 556, (*1973*); *CA*, **79**, 18492c (*synth, pharmacol*)

Lonazolac, INN **L-00085**

3-(4-Chlorophenyl)-1-phenyl-1H-pyrazole-4-acetic acid, 9CI

[53808-88-1]



$C_{17}H_{13}ClN_2O_2$ M 312.755

Antiinflammatory, analgesic agent. Cryst. (EtOH aq.). Mp 150-151°.

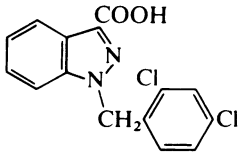
Ca salt: [75821-71-5]. *Lonazolac calcium. Argun L. Floxan. Irritren. Lonax.* Mp 270-290°.

B.P., 1 373 212, (*1974*); *CA*, **82**, 72987t (*synth*)
Rainer, G. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 649 (*synth, ir, pmr, uv, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12902.

Lonidamine, INN **L-00086**

1-[(2,4-Dichlorophenyl)methyl]-1H-indazole-3-carboxylic acid, 9CI. Diclondazolic acid. AF 1890. DICA

[50264-69-2]



$C_{15}H_{10}Cl_2N_2O_2$ M 321.162

Antispermatogenic agent, antineoplastic agent. Cryst. (EtOH). Mp 207°.

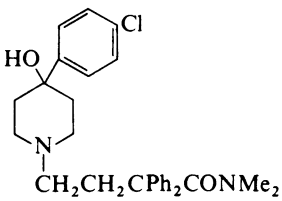
▷NK7886000.

Corsi, G. *et al*, *J. Med. Chem.*, 1976, **19**, 778 (*synth, pharmacol*)
Silvestrini, B., *Prog. Med. Chem.*, 1984, **21**, 111 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19416.

Loperamide, BAN, INN, JAN **L-00087**

4-(4-Chlorophenyl)-4-hydroxy-N,N-dimethyl-α,α-diphenyl-1-p-piperidinebutanamide, 9CI. Imodium. Numerous proprietary names

[53179-11-6]



$C_{29}H_{33}ClN_2O_2$ M 477.045

Antiperistaltic, antidiarrhoeal.

B,HCl: [34552-83-5]. *Loperamide hydrochloride, USAN.* Cryst. (2-propanol). Insol. H_2O. Mp 222-223°.

▷TM4960000.

N^4*-Oxide:* [106900-12-3]. ***Loperamide oxide, BAN, INN.*** *R 58425.*

$C_{29}H_{33}ClN_2O_3$ M 493.044

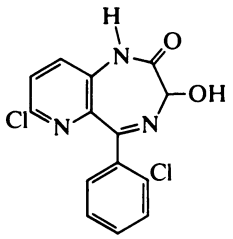
Antidiarrhoeal. Mp 149.7°.

Stokbroekx, R.A. *et al*, *J. Med. Chem.*, 1973, **16**, 782 (*synth, pharmacol*)
v. Bever, W. *et al*, *Mod. Pharmacol.-Toxicol.*, 1976, **7**, 37 (*ms, pmr, ir, uv*)
Germain, G. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 942 (*cryst struct*)
Heel, R.C. *et al*, *Drugs*, 1978, **15**, 33 (*rev, pharmacol*)
Niemegeers, C.J.E. *et al*, *Drug Dev. Res.*, 1981, **1**, 1 (*rev*)
Shriver, D.A. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 461 (*rev, pharmacol*)
Cook, C.H. *et al*, *CA*, 1983, **98**, 160556 (*synth*)
Niemegeers, C.J.E. *et al*, *Drug Dev. Res.*, 1986, **8**, 279 (*pharmacol, N-Oxide*)
Ruppin, H., *Aliment. Pharmacol. Ther.*, 1987, **1**, 179 (*rev*)
Eur. Pat., 219 898, (*1987*); *CA*, **107**, 58873f (*synth, N-Oxide*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7761 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5235.

Lopirazepam, INN **L-00088**

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-2H-pyrido[3,2-e]-1,4-diazepin-2-one, 9CI. D 12524

[42863-81-0]



$C_{14}H_9Cl_2N_3O_2$ M 322.150

Anxiolytic, spasmolytic agent. Cryst. (EtOH). Mp 200-202°.

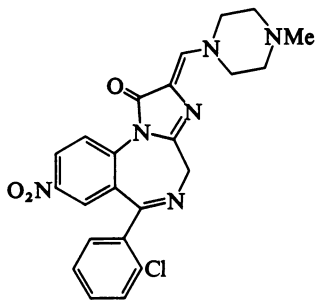
▷UU8950000.

Ger. Pat., 2 259 471, (*1973*); *CA*, **79**, 66412y (*synth, pharmacol*)

Loprazolam, BAN, INN **L-00089**

6-(2-Chlorophenyl)-2,4-dihydro-2-[(4-methyl-1-piperazinyl)methylene]-8-nitro-1H-imidazo[1,2-a][1,4]benzodiazepin-1-one, 9CI

[61197-73-7]



$C_{23}H_{21}ClN_6O_3$ M 464.910

(Z)-form [63146-73-6]

Hypnotic agent. Mp 214-215°. Low acute oral toxicity in mice.

B,MeSO$_3$H: [70111-54-5]. *Loprazolam mesylate. HR 158. RU 31158.*

Ager, I.R. *et al*, *J. Med. Chem.*, 1977, **20**, 1035 (*synth, pharmacol*)

Ger. Pat., 2 605 652, (*1976*); *CA*, **86**, 16711u (*synth, pharmacol*)

Johns, T.G. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1979, **240**, 53 (*pharmacol*)

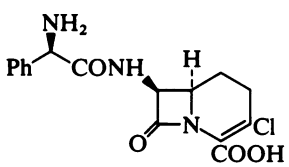
Illing, H.P.A. *et al*, *Xenobiotica*, 1983, **13**, 439, 531, 539 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12903, 18341.

Loracarbef, INN **L-00090**

7-[(Aminophenylacetyl)amino]-3-chloro-8-oxo-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. LY 163892

[76470-66-1]



$C_{16}H_{16}ClN_3O_4$ M 349.773

Antibacterial agent. Mp >300°. $[\alpha]_D^{21}$ +34.0° (c, 0.35 in H_2O).

Eur. Pat., 14 476, (*1980*); *CA*, **94**, 121355 (*synth, props*)

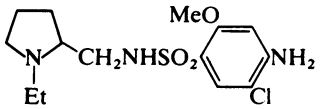
Jones, R.N. *et al*, *Eur. J. Clin. Microbiol.*, 1987, **6**, 570 (*pharmacol*)

Knapp, C.C. *et al*, *Antimicrob. Agents Chemother.*, 1988, **32**, 131, 268 (*pharmacol*)

Lorapride, INN **L-00091**

4-Amino-5-chloro-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzenesulfonamide, 9CI. 5-Chloro-N′-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxysulfanilamide

[68677-06-5]



$C_{14}H_{22}ClN_3O_3S$ M 347.859

(±)-form

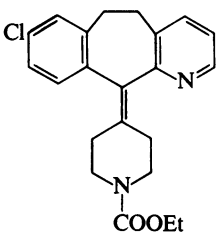
Antiulcerogenic agent. Cryst. (2-propanol). Mp 180°.

Ger. Pat., 2 814 771, (*1978*); *CA*, **90**, 22802y (*synth, pharmacol*)

Loratadine, INN, USAN **L-00092**

Ethyl 4-(8-chloro-5,6-dihydro-11H-benzo[5,6]-cyclohepta[1,2-b]pyridin-11-ylidene)-1-piperidinecarboxylate, 9CI. 11-(N-Carboethoxy-4-piperidylidene)-8-chloro-6,11-dihydro-5H-benzo[5,6]cyclohepta[1,2-b]-pyridine. Sch 29851

[79794-75-5]



$C_{22}H_{23}ClN_2O_2$ M 382.889

Histamine H_1-receptor antagonist. Mp 128-130°.

Barnett, A. *et al*, *Agents Actions*, 1984, **14**, 590 (*pharmacol*)

Batenhorst, R.L. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **31**, 247 (*pharmacol*)

Villani, F.J. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1311 (*synth*)

Bradley, C.M. *et al*, *Eur. J. Clin. Pharmacol.*, 1987, **32**, 419 (*pharmacol*)

Hilbert, J. *et al*, *J. Clin. Pharmacol.*, 1987, **27**, 530, 694; 1988, **28**, 234 (*pharmacol*)

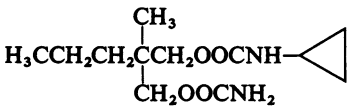
Kreutner, W. *et al*, *Allergy* (*Copenhagen*), 1987, **42**, 57 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18661.

Lorbamate, USAN, INN **L-00093**

2-[[(Aminocarbonyl)oxy]methyl]-2-methylpentyl cyclopropylcarbamate, 9CI. 2-(Hydroxymethyl)-2-methylpentyl cyclopropanecarbamate, 8CI. Abbott 19957

[24353-88-6]



$C_{12}H_{22}N_2O_4$ M 258.317

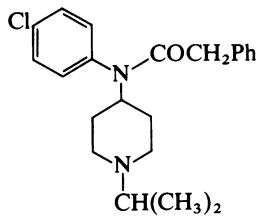
Muscle relaxant. Mp 79-81°.

▷TY9585000.

Ludwig, B.J. *et al*, *J. Med. Chem.*, 1969, **12**, 462 (*synth, pharmacol*)

Lorcainide, BAN, INN **L-00094**

N-(4-Chlorophenyl)-N-[1-(1-methylethyl)-4-piperidinyl]benzeneacetamide, 9CI



$C_{22}H_{27}ClN_2O$ M 370.921

(±)-form

Antiarrhythmic drug.

B,HCl: [58934-46-6]. *Lorcainide hydrochloride, USAN. Lopantrol. Remivox. R 15889. Ro 13-1042.* Cryst. (2-propanone/2-propanol). Mp 263°.

Ger. Pat., 2 642 856, (*1977*); *CA*, **87**, 53094m (*synth*)

De Clerck, F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1978, **231**, 222 (*pharmacol*)

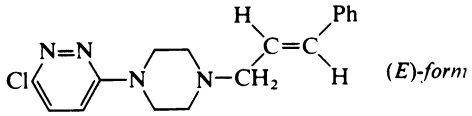
Eiriksson, C.E. *et al*, *Drugs*, 1984, **27**, 279 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7788.

Lorcinadol, INN **L-00095**

3-Chloro-6-[4-(3-phenyl-2-propenyl)-1-piperazinyl]-pyridazine, 9CI. R 62 818

[107746-85-0]



(E)-form

$C_{17}H_{19}ClN_4$ M 314.817

(*E*)-form [104719-71-3]

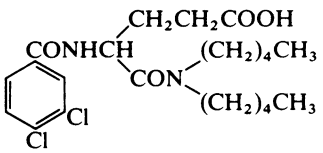
Analgesic.

Schellekens, K.H. *et al*, *Drug. Dev. Res.*,, 1986, **8**, 353 (*pharmacol*)

Japan. Pat., 62 29 575, (*1987*); *CA*, **106**, 176427r (*synth, pharmacol*)

Lorglumide, INN **L-00096**

4-[(3,4-Dichlorobenzoyl)amino]-5-(dipentylamino)-5-oxopentanoic acid, 9CI. CR 1409



$C_{22}H_{32}Cl_2N_2O_4$ M 459.412

(±)-form [97964-56-2]

Cholecystokinin inhibitor. Cryst. (EtOH aq.). Mp 106-108°.

Makovec, F. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1048; 1986, **36**, 98; 1987, **37**, 1265 (*pharmacol*)

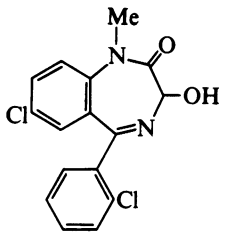
Makovec, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 9 (*synth*)

Rovati, L.C. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1987, **766**, 45 (*rev*)

Lormetazepam, BAN, INN, USAN **L-00097**

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2H-1,4-benzodiazepin-2-one, 9CI, 8CI. N-*Methyllorazepam. Dilamet. Lembrol. Loramet. Minias. Noctamid. Nocton. Pronoctan. Ro 5-5516. Wy 4082. ZK 65997*

[848-75-9]



$C_{16}H_{12}Cl_2N_2O_2$ M 335.189

(±)-form

Sedative. Cryst. (THF/EtOH). Sol. H_2O. Mp 209-211°.

Bell, S.C. *et al*, *J. Med. Chem.*, 1968, **11**, 457 (*synth, pharmacol*)

Nudelman, A. *et al*, *J. Pharm. Sci.*, 1974, **63**, 1880 (*synth*)

Babbini, M. *et al*, *Pharmacol. Res. Commun.*, 1975, **7**, 337 (*pharmacol*)

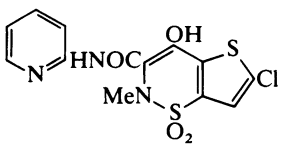
Huempel, M. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1979, **4**, 237 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4077.

Lornoxicam, INN **L-00098**

6-Chloro-4-hydroxy-2-methyl-N-2-pyridinyl-2H-thieno[2,3-e]-1,2-thiazine-3-carboxamide 1,1-dioxide, 9CI. Chlorotenoxicam

[70374-39-9]



$C_{13}H_{10}ClN_3O_4S_2$ M 371.813

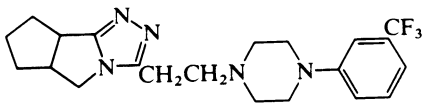
Antiinflammatory and analgesic agent. Cryst. (dioxan). Mp 239-241° dec.

Ger. Pat., 2 838 851, (*1979*); *CA*, **91**, 5233 (*synth*)

Lorpiprazole, INN **L-00099**

5,5a,6,7,8,8a-Hexahydro-3-[2-[4-[3-(trifluoromethyl)-phenyl]-1-piperazinyl]ethyl]cyclopenta[3,4]pyrrolo[2,1-c]-1,2,4-triazole, 9CI

[108785-69-9]



$C_{21}H_{26}F_3N_5$ M 405.465

Analgesic. Mp 138°.

B,HCl: [108785-71-3]. Mp 262° dec.

B,2HCl: [108785-72-4]. Mp 240°.

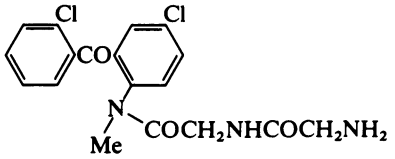
B,MeSO$_3$H: [108785-70-2]. Mp 168° dec.

Eur. Pat., 199 641, (*1986*); *CA*, **107**, 23343 (*synth, pharmacol*)

Lorzafone, INN, USAN **L-00100**

Glycyl-N-[4-chloro-2-(2-chlorobenzoyl)phenyl]-N-methylglycinamide, 9CI. 2-(2-Aminoacetamido)-4'-chloro-2'-(o-chlorobenzoyl)-N-methylacetamide. Lorglifone. LY 123508

[59179-95-2]



$C_{18}H_{17}Cl_2N_3O_3$ M 394.257

Tranquilliser, muscle relaxant.

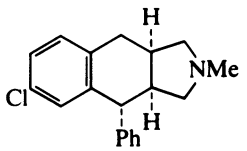
▷AD8227000.

Oxalate: Cryst. (EtOH). Mp 167°.

Ger. Pat., 2 535 171, (*1976*); *CA*, **84**, 180642b (*synth, pharmacol*)

Losindole, INN **L-00101**

6-Chloro-2,3,3a,4,9,9a-hexahydro-2-methyl-4-phenylbenz[f]isoindoline, 8CI. BI 27062



$C_{19}H_{20}ClN$ M 297.827

(±)-*form* [69175-77-5]

Antidepressant.

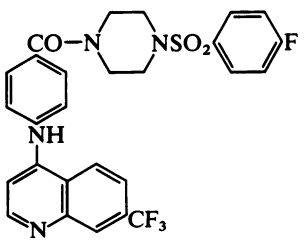
Anon, *Res. Discl.*, 1979, **187**, 654 (*synth*)

Swiss Pat., 611 884, (*1979*); *CA*, **92**, 41756u (*synth*)

Losulazine, INN **L-00102**

1-[(4-Fluorophenyl)sulfonyl]-4-[4-[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoyl]piperazine, 9CI

[72141-57-2]



$C_{27}H_{22}F_4N_4O_3S$ M 558.549

Antihypertensive agent. Cryst. ($MeOH/CH_2Cl_2$). Mp 251-253°.

B,HCl: [81435-67-8]. *Losulazine hydrochloride, USAN. U 54669F.*

Wendling, M.G. *et al*, *Fed. Proc. Fed. Am. Soc. Exp. Biol.*, 1983, **42**, 162 (*pharmacol*)

Pals, D.T. *et al*, *J. Pharmacol. Exp. Ther.*, 1985, **232**, 407 (*pharmacol*)

McCall, J.M. *et al*, *J. Med. Chem.*, 1986, **29**, 133 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19418.

Lotifazole, INN **L-00103**

(4-Phenyl-2-thiazolyl)carbamic acid 2,2,2-trichloroethyl ester, 9CI. 2,2,2-Trichloroethyl 4-phenyl-2-thiazolylcarbamate. F 1686

[71119-10-3]



$C_{12}H_9Cl_3N_2O_2S$ M 351.634

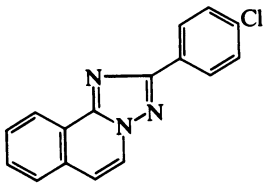
Immunostimulant.

Japan. Pat., 79 61 172, (*1979*); *CA*, **91**, 157724r (*synth, pharmacol*)

Lotrifen, INN **L-00104**

2-(4-Chlorophenyl)[1,2,4]triazolo[5,1-a]isoquinoline, 9CI. Canocenta. Privaprol. DL 717 IT

[66535-86-2]



$C_{16}H_{10}ClN_3$ M 279.728

Veterinary abortifacient. Mp 238-240°.

▷XZ5478400.

U.S.P., 4 075 341, (*1978*); *CA*, **89**, 24316w (*synth, pharmacol*)

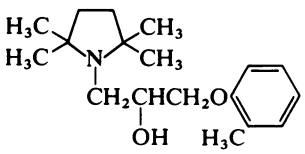
Galliani, G. *et al*, *J. Pharmacobio. Dyn.*, 1982, **5**, 55 (*pharmacol*)

Assandri, A. *et al*, *Med. Actual.*, 1987, **23**, 75 (*rev*)

Lotucaine, INN **L-00105**

2,2,5,5-Tetramethyl-α-[(2-methylphenoxy)methyl]-1-pyrrolidineethanol, 9CI

[52304-85-5]



$C_{18}H_{29}NO_2$ M 291.433

Local anaesthetic. Enantiomers have similar anaesthetic props. but differing toxicities.

(+)-*form*

Less toxic enantiomer. $Bp_{0.5}$ 138-140°. $[\alpha]_D^{20}$ +8.2°. Called the (−)-form in the lit. (hydrochloride has −ve rotn.).

B,HCl: Mp 178-180°. $[\alpha]_D^{20}$ −39°.

(−)-*form*

$Bp_{0.5}$ 136-139°. $[\alpha]_D^{20}$ −8.1°. Called the (+)-form in the lit ((+)-ve hydrochloride).

B,HCl: Mp 178-180°. $[\alpha]_D$ +39°.

(±)-*form*

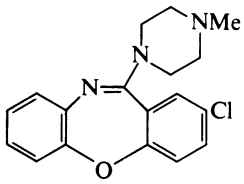
B,HCl: [23875-59-4]. *MY-33-7.* Mp 190-192°.

Ferrero, E. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 275, 278, 1596 (*synth, resoln, pharmacol, tox*)

Loxapine, BAN, INN, USAN **L-00106**

2-Chloro-11-(4-methyl-1-piperazinyl)dibenz[b,f] [*1,4*]-*oxazepine, 9CI, 8CI. Cloxazepin. Oxilapine. CL 62362. S 805. SUM 3170*

[1977-10-2]



$C_{18}H_{18}ClN_3O$ M 327.813

Minor tranquilliser. Pale-yellow cryst. (pet. ether). Mp 109-110°.

▷HQ4025000.

B,HCl: [54810-23-0]. *Loxitane* C.

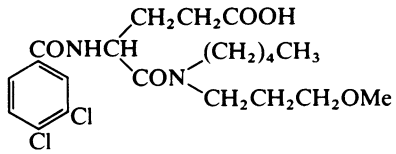
Succinate (1:1): [27833-64-3]. *Loxapine succinate, USAN. Daxolin. Desconex. Loxapac. Loxitane. CL 71563.*

▷WM5750000.

Schmutz, J. *et al, Helv. Chim. Acta*, 1967, **50**, 245 (*synth*)
Stille, G. *et al, Arzneim.-Forsch.*, 1974, **24**, 1292 (*pharmacol*)
Petcher, T.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1976, 1415 (*cryst struct*)
Heel, R.C. *et al, Drugs*, 1978, **15**, 198 (*rev*)
Fillers, J.D. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 3041 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3843, 7061, 7062.

Loxiglumide, INN **L-00107**

4-[(3,4-Dichlorobenzoyl)amino]-5-[(3-methoxypropyl)-pentylamino]-5-oxopentanoic acid, 9CI. CR 1505



$C_{21}H_{30}Cl_2N_2O_5$ M 461.384

(±)-form [107097-80-3]

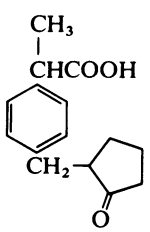
Cholecystokinin inhibitor. Cryst. (Me_2CO). Mp 113-115°.

Setnikar, I. *et al, Arzneim.-Forsch.*, 1987, **37**, 703, 1168, 1172 (*pharmacol*)
U.S.P., 4 769 389, (*1988*); *CA*, **107**, 198929d (*synth*)

Loxoprofen, INN **L-00108**

α-Methyl-4-[(2-oxocyclopentyl)methyl]benzeneacetic acid, 10CI. p-[(*2-Oxocyclopentyl)methyl*]*hydratropic acid*

[68767-14-6]



$C_{15}H_{18}O_3$ M 246.305

Analgesic, antiinflammatory agent. Mp 108.5-111°.

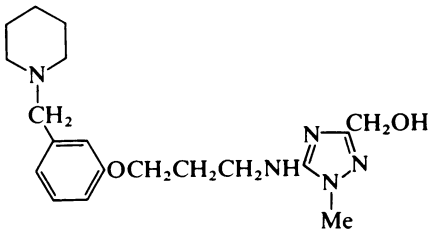
Na salt, dihydrate: [80382-23-6]. *Loxouin. CS 600.*

Ger. Pat., 2 814 556, (*1978*); *CA*, **90**, 22616r (*synth, pharmacol*)
Tanaka, Y. *et al, Chem. Pharm. Bull.*, 1983, **31**, 3656 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19415.

Loxtidine, INN **L-00109**

*1-Methyl-5-[[3-[3-(1-piperidinylmethyl)phenoxy]-propyl]amino]-1H-1,2,4-triazole-3-methanol, 9CI. 1-Methyl-5-[3-(α-piperidinyl-m-tolyloxy)propylamino]-1H-1,2,4-triazole-3-methanol. **Lavoltidine, BAN**. AH 23844*

[76956-02-0]



$C_{19}H_{29}N_5O_2$ M 359.470

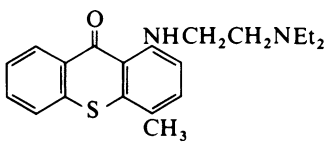
Histamine H_2-receptor antagonist. Cryst. (Et_2O). Mp 118-119°.

Eur. Pat., 16 565, (*1980*); *CA*, **94**, 192345b (*synth*)
Bell, J.A. *et al, Biochem. Soc. Trans.*, 1983, **11**, 715 (*metab*)

Lucanthone, BAN, INN **L-00110**

1-(2-Diethylaminoethyl)amino-4-methyl-9H-thioxanthen-9-one, 9CI

[479-50-5]



$C_{20}H_{24}N_2OS$ M 340.482

Drug used in treatment of schistosomiasis. Yellow cryst. (EtOH aq.). Mp 64-65°.

▷XO1605500.

B,HCl: [548-57-2]. *Lucanthone hydrochloride, USAN. Miracil* D. *Nilodin. Miracol. Scapuren. Tixantone. BW 57-233. Ms 752. NSC 14574. RP 3735.* Yellow cryst. (EtOH). Mp 195-197°.

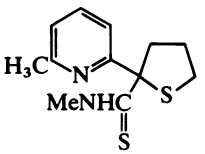
▷XO1605800.

Sharp, T.M., *J. Chem. Soc.*, 1951, 2961 (*synth*)
Blanz, E.J. *et al, J. Med. Chem.*, 1963, **6**, 185 (*synth*)
Hirschberg, E., *Antibiotics (N.Y.)*, 1975, **3**, 274 (*rev*)
Neidle, S., *Biochim. Biophys. Acta*, 1976, **454**, 207 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 789.

Lucartamide, INN **L-00111**

Tetrahydro-N-methyl-2-(6-methyl-2-pyridinyl)-2-thiophenecarbothioamide, 9CI

[76743-10-7]



$C_{12}H_{16}N_2S_2$ M 252.392

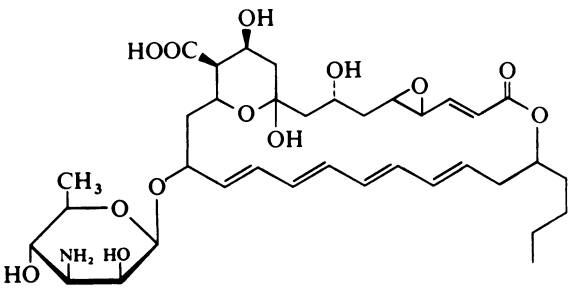
Antiulcerogenic and antisecretory agent. Cryst. (isopropyl ether/Et_2O). Mp 121°. Closely related to Picartamide, P-00231 .

Aloup, J.C. *et al*, *J. Med. Chem.*, 1987, **30**, 24 (*synth, pharmacol*)

Lucensomycin, 9CI **L-00112**

Etruscomycin. ***Lucimycin, INN.*** *FI 1163*

[13058-67-8]



$C_{36}H_{53}NO_{13}$ M 707.814

Polyene antibiotic. Isol. from *Streptomyces lucensis*. Shows antifungal props. Cryst. powder. $[\alpha]_D^{20}$ +240° (DMF), +50° (0.1N methanolic HCl). λ_{max} 218, 278 sh, 290, 303 and 318 nm (MeOH). Unstable to heat, light and air. Unstable beyond pH 6-8.

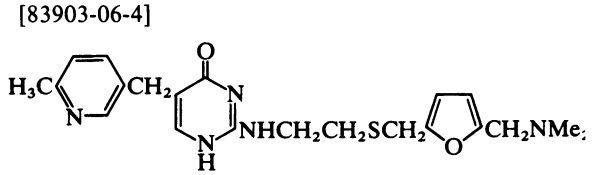
▷OK3850000.

Arcamone, F. *et al*, *Ann. Chim.* (*Rome*), 1959, **49**, 345 (*isol*)
Gaudiano, G. *et al*, *Tetrahedron Lett.*, 1966, 3559, 3567 (*struct*)
Dornberger, K. *et al*, *Tetrahedron*, 1976, **32**, 3069 (*struct, ms*)
Dornberger, K. *et al*, *Tetrahedron Lett.*, 1976, 4469 (*cd, cmr, struct*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1976, **29**, 1035 (*cmr*)
Nadeau, P. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 545 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12904.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1715.

Lupitidine, INN **L-00113**

2-[[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]-methyl]thio]ethyl]amino]-5-[(6-methyl-3-pyridinyl)-methyl]-4(1H)-pyrimidinone, 9CI

[83903-06-4]



$C_{21}H_{27}N_5O_2S$ M 413.537

Antiulcerogenic (histamine H_2-receptor antagonist).

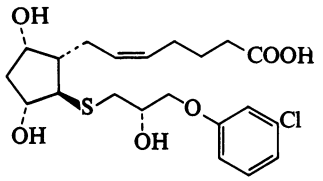
B,3HCl: [72716-75-7]. *Lupitidine hydrochloride, USAN. SKF 93479.* Cryst. (MeOH). Mp 218-220°.

Eur. Pat., 3 677, (*1979*); *CA*, **92**, 76539 (*synth, pharmacol*)
Dammann, H.G. *et al*, *Lancet.*, 1982, **1**(8265), 224 (*props*)
Bertaccini, G. *et al*, *Agents Actions*, 1983, **13**, 157 (*props*)
Laird, T., *Chem. Ind.* (*London*), 1986, 134 (*synth*)

Luprostiol, BAN, INN **L-00114**

7-[2-[[(3-Chlorophenoxy)-2-hydroxypropyl]thio]-3,5-dihydroxycyclopentyl]-5-heptenoic acid, 9CI. 9,11,15-Trihydroxy-16-m-chlorophenoxy-13-thia-17,18,19,20-tetranor-5-prostenoic acid. Prostianol. Reprodin. Prosolvin. Pronilin. EMD 24946

[67110-79-6]



$C_{21}H_{29}ClO_6S$ M 444.970

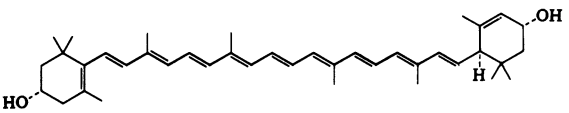
Synthetic thiaprostanoid analogue. Veterinary luteolytic agent.

Ger. Pat., 2 513 371, (*1976*); *CA*, **86**, 55069k (*synth, ir, pmr*)
De Vries, H. *et al*, *J. Vet. Pharmacol. Ther.*, 1979, **2**, 223 (*pharmacol*)
Koch, H., *Drugs of Today*, 1982, **18**, 454 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8089.

Lutein **L-00115**

Xanthophyll

[127-40-2]



$C_{40}H_{56}O_2$ M 568.881

Pigment from egg yolk and leaves. Coppery cryst. (MeOH). Mp 196°. $[\alpha]_{Cd}$+160° ($CHCl_3$).

Dipalmitoyl: [547-17-1]. *Helenien.* ***Xantofyl palmitate, INN.*** *Adaptinol. Aptinol. Heligal.* Constit. of *Helenium autumnale*. Retinal oxygenizing agent. Red cryst. (EtOH). Mp 92°.

Kuhn, R. *et al*, *Naturwissenschaften*, 1930, **18**, 754 (*synth*)
Müller-Limmroth, W. *et al*, *Z. Biol.*, 1958, **110**, 457; 1959, **111**, 213 (*pharmacol*)
Buchecker, R. *et al*, *Helv. Chim. Acta*, 1974, **57**, 631 (*abs config*)
Moss, G.P., *Pure Appl. Chem.*, 1976, **47**, 97 (*cmr*)
Weedon, B.C.L., *Pure Appl. Chem.*, 1976, **47**, 161 (*synth*)
Davies, B.H., *Int. Rev. Biochem.*, 1977, **14**, 51 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14020.

Luteinizing hormone-releasing factor, 9CI **L-00116**

Gonadorelin, BAN, INN. *Gonadotrophin releasing hormone. Gonadoliberin. Gn-RH. LRF. Luliberin. Follicle stimulating hormone releasing factor. Folliberin. FSH-RF. LH-RF. LH-RH. Other synonyms*

[9034-40-6]

pyroGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-GlyNH$_2$

$C_{55}H_{75}N_{17}O_{13}$ M 1182.304

Hormone secreted by the hypothalamus which causes the release from the pituitary of luteinizing hormone (LH) and follicle-stimulating hormone (FSH) which in turn eventually cause the induction of ovulation. $[\alpha]_D^{25}$ −50° (c, 1 in AcOH).

▷OK6372000.

Diacetate salt, tetrahydrate: [52699-48-6]. *Gonadorelin acetate, USAN. Abbott-41070. Cryptolin. Cystorelin. Lutamin. Lutrelef. Ovarelin.*

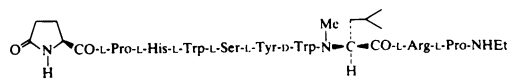
B,2HCl: [51952-41-1]. *Gonadorelin hydrochloride, USAN. AY 24031. Factrel. HRF.*

Schally, A.V. *et al, Biochem. Biophys. Res. Commun.*, 1971, **43**, 393 (*isol*)
Baba, Y. *et al, Biochem. Biophys. Res. Commun.*, 1971, **44**, 459 (*struct*)
Schally, A.V. *et al, Science*, 1971, **173**, 1036 (*rev*)
Monahan, M.W. *et al, Biochem. Biophys. Res. Commun.*, 1972, **48**, 1100 (*synth*)
Ling, N. *et al, Biochemistry*, 1973, **12**, 5305 (*struct, ms*)
Matsueda, R. *et al, Bull. Chem. Soc. Jpn.*, 1973, **46**, 3240 (*synth*)
Wessels, P.L. *et al, J. Chem. Soc., Perkin Trans. 2*, 1973, 1691 (*pmr, cmr*)
U.S.P., 3 849 389, (*1974*); *CA*, **82**, 73479r (*synth, acetate*)
Coy, D.H. *et al, Methods Enzymol.*, 1975, **37**, 416 (*synth*)
Johansson, K. *et al, Biochem. Biophys. Res. Commun.*, 1975, **63**, 62 (*purifn*)
Fujii, T. *et al, Bull. Chem. Soc. Jpn.*, 1976, **49**, 1595 (*synth*)
Mabrey, S. *et al, Biochemistry*, 1976, **15**, 234 (*conformn, ord, cd*)
U.S.P., 3 947 569, (*1976*); *CA*, **84**, 180645e (*synth, deriv*)
Kasafirek, E. *et al, Collect. Czech. Chem. Commun.*, 1977, **42**, 2018 (*synth*)
Yonezawa, H. *et al, Int. J. Pept. Protein Res.*, 1978, **11**, 19 (*synth*)
Cann, J.R. *et al, Biochemistry*, 1979, **18**, 5776 (*conformn*)
Coy, D.H. *et al, Polypeptide Hormones*, 1980, (*Beers, R.F. et al*, Eds.), Raven Press, New York, 185
McCann, S.M., *Prog. Clin. Biol. Res.*, 1982, **112**, 73 (*rev, pharmacol*)
Wass, J.A. *et al, Basic Clin. Endocrinol.*, 1983, **3**, 333 (*rev*)
Handelsman, D.J. *et al, Endocr. Rev.*, 1986, **7**, 95 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5925.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8330.

Lutrelin, INN L-00117

6-D-Tryptophan-7-(N-methyl-L-leucine)-9-(N-ethyl-L-prolinamide)-10-deglycinamide-luteinizing hormone-releasing factor (pig), 9CI

[66866-63-5]



$C_{65}H_{85}N_{17}O_{12}$ M 1296.493

LHRH agonist.

▷OK6750000.

B,AcOH: [83784-18-3]. *Lutrelin acetate, USAN. WY-40,972.*

Ger. Pat., 2 725 734, (*1977*); *CA*, **89**, 24811d (*synth, pharmacol*)
Mann, D.R. *et al, J. Clin. Endocrinol. Metab.*, 1984, **58**, 262 (*pharmacol*)

Lutropin L-00118

Luteinising hormone. LH

[9002-67-9]

A glycoprotein consisting of two subunits designated α and β. It contains about 20% carbohydrate residues. Ovine LH-α is a polypeptide chain of 96 amino-acid residues having two carbohydrate moeities attached to asparagine residues at positions 56 and 82. There are spp. variations in the chain-length and sequencing of the α-chain but the points of attachment of the carbohydrate moeities appear to be species-invariant. Thus human LH-α has 7 residues less at the *N*-terminal end and approx. 70% structural correspondence with ovine LH-β in the rest of the chain. Ovine LH-β contains 119 amino-acid residues with a single carbohydrate moiety attached at asparagine residue 13. Human LH-β has 115 residues, 77 of which are identical with those of Ovine LH-β

M ca. 30,000

Lutropin is secreted by the anterior pituitary gland. The effect in the male is stimulation of testicular Leydig cells to secrete androgen. In the female it stimulates ovulation of the ovarian follicle and formation of the corpus luteum, which secretes progesterone.

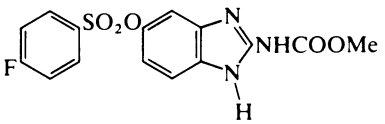
▷OK6367000.

Pierce, J.G. *et al, J. Biol. Chem*, 1971, **246**, 866 (*struct*)
Inagami, T. *et al, Biochem. J.*, 1972, **126**, 441 (*struct*)
Liu, W.K. *et al, J. Biol. Chem*, 1972, **247**, 4351, 4365 (*struct*)
Sairam, M.R. *et al, Arch. Biochem. Biophys.*, 1972, **153**, 554; *Biochem. Biophys. Res. Commun.*, 1972, **48**, 530 (*struct*)
Closset, J. *et al, FEBS Lett.*, 1973, **29**, 97 (*struct*)
Maghuin-Rogister, G. *et al, Eur. J. Biochem.*, 1973, **39**, 235, 255 (*struct*)
Shome, B. *et al, J. Clin. Endocrinol.*, 1973, **36**, 618 (*struct*)
Ascoli, M. *et al, Eur. J. Biochem.*, 1977, **72**, 157 (*cd*)
Brown, F.F. *et al, J. Biol. Chem*, 1979, **254**, 4335 (*pmr*)
Butt, W.R., *Ann. Clin. Biochem.*, 1979, **16**, 1 (*rev*)
Jibson, M.D. *et al, Int. J. Pept. Protein Res.*, 1979, **14**, 113 (*conformn*)
Keutmann, H.T. *et al, Biochem. Biophys. Res. Commun.*, 1979, **90**, 842 (*isol*)
Sairam, M.R., *Int. J. Pept. Protein Res.*, 1979, **14**, 153 (*struct*)
Pierce, J.G. *et al, Annu. Review Biochem.*, 1981, **50**, 465 (*rev*)
Zimniski, S.J. *et al, Biochem. Mamm. Reprod.*, 1982, 383 (*rev, metab*)
Kunz, H. *et al, Justus Liebigs Ann. Chem.*, 1983, **3**, 337 (*synth*)
Talmadge, K. *et al, DNA*, 1983, **2**, 281 (*cloning*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5931.

Luxabendazole, INN L-00119

4-Fluorobenzenesulfonic acid 2-[(methoxycarbonyl)-amino]-1H-benzimidazol-5-yl ester, 9CI

[90509-02-7]



$C_{15}H_{12}FN_3O_5S$ M 365.335

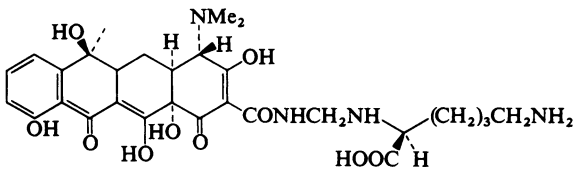
Anthelmintic. Mp 236° dec.

Ger. Pat., 3 247 615, (*1984*); *CA*, **102**, 6487k (*synth, pharmacol*)

Lymecycline, BAN, INN L-00120

Mucomycin. Tetramyl. Tetralysal. Other proprietary names

[992-21-2]



$C_{29}H_{38}N_4O_{10}$ M 602.640

Semisynthetic tetracycline antibiotic. Shows broad spectrum activity. Light-yellow powder. Mp 190-195°.

▷OL5615000.

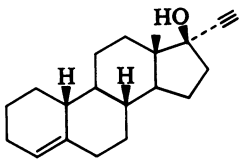
Raffaldoni, E. *et al, Boll. Chim. Farm.*, 1961, **100**, 9, 563 (*pharmacol*)
Ger. Pat., 1 134 071, (*1962*); *CA*, **58**, 492 (*synth*)
U.S.P., 3 042 716, (*1962*); *CA*, **58**, 1421 (*synth*)
Kato, Y. *et al, J. Antibiot., Ser. B*, 1965, **18**, 171 (*pharmacol*)
Halkett, P. *et al, J. Hosp. Pharm.*, 1973, **31**, 79 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7790.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 100.

Lynoestrenol, BAN L-00121

19-Nor-4-pregnen-20-yn-17β-ol. 17α-Ethynyl-4-oestren-17β-ol. ***Lynestrenol,*** *USAN,* ***INN****. Endometril. Exlutena. Exlution. Exluton. Orgametrol. Orgametil. Orgametril*

[52-76-6]



$C_{20}H_{28}O$ M 284.441

Progestin, used in contraceptive formulations. Cryst. (MeOH). Mp 162-164°. $[\alpha]_D$ −13° ($CHCl_3$), −11° (c, 5.0 in dioxan). Component of Minette, Minilyn.

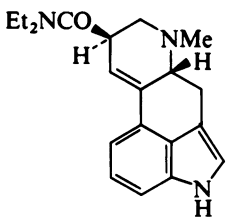
▷RC8964300.

de Winter, M.S. *et al*, *Chem. Ind.* (*London*), 1959, 205 (*synth*)
Rohrer, D.C. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 539 (*cryst struct*)
Ranney, R.E., *J. Toxicol. Environ. Health*, 1977, **13**, 139 (*metab*)
Van Dijck, L.A. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1977, **96**, 200 (*synth, pmr*)
Horvath, G., *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1280 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9059.

Lysergide, BAN, INN L-00122

*9,10-Didehydro-*N,N*-diethyl-6-methylergoline-8β-carboxamide, 9CI.* N,N*-Diethyllysergamide. Lysergic acid diethylamide. Delysid. Lisergide. DAM 57. LSD. LSD-25*

[50-37-3]



(+)-*form*
Absolute configuration

$C_{20}H_{25}N_3O$ M 323.437

▷KE4100000.

(+)-*form*

Obt. by partial synthesis. Hallucinogenic, psychotomimetic drug used in therapy. Mp 80-85°. $[\alpha]_D^{20}$ +17° (c, 0.5 in Py).

Tartrate: Mp 198-200°. $[\alpha]_D^{20}$ +30° (c, 1 in H_2O).

(−)-*form*

Mp 80-85°. $[\alpha]_D^{20}$ −17° (c, 0.5 in Py).

Tartrate: Mp 200°. $[\alpha]_D^{20}$ −30° (c, 1 in H_2O).

Stoll, A. *et al*, *Helv. Chim. Acta*, 1943, **26**, 944; 1955, **38**, 421 (*synth*)
Troxler, F. *et al*, *Helv. Chim. Acta*, 1957, **40**, 1706 (*uv, ir*)
Nakahara, Y. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 2337 (*pmr*)
Baker, R.W. *et al*, *Science*, 1972, **178**, 4061 (*cryst struct*)
Inoue, T. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 409 (*ms*)
Caldwell, J. *et al*, *Clin. Pharmacol. Ther.*, 1974, **16**, 625 (*rev, pharmacol*)
Sperling, A.R., *J. Chromatogr. Sci.*, 1974, **12**, 265 (*tlc, glc*)
Choong, T.-C. *et al*, *Tetrahedron Lett.*, 1977, 1627 (*synth*)
Fanchamps, A., *Handb. Exp. Pharmakol.*, 1978, **49**, 567 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5011.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1717.

Lysostaphin, USAN L-00123

Staphcidin (*obsol.*)

[9011-93-2]

Consists of a single polypeptide chain of MW ca. 25000. Enzyme prod. by *Staphylococcus staphylolyticus*. Antibacterial agent.

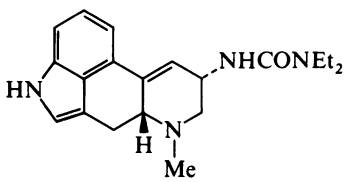
▷OL5985000.

Schindler, C.A. *et al*, *Proc. Nat. Acad. Sci. USA*, 1964, **51**, 414 (*isol*)
Schindler, C.A. *et al*, *Biochem. Biophys. Acta*, 1965, **97**, 242 (*purifn*)
Trayer, H.R. *et al*, *J. Biol. Chem*, 1970, **245**, 4842 (*struct*)
Zygmunt, W.A. *et al*, *Forsch. Arzneimittelforsch.*, 1972, **16**, 309 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 101.

Lysuride, BAN L-00124

N′-[(8α)-*9,10-Didehydro-6-methylergolin-8-yl*]-N,N-*diethylurea, 9CI, 8CI. Methylergol carbamide.* ***Lisuride,*** ***INN****. Mesorgydin*

[18016-80-3]



$C_{20}H_{26}N_4O$ M 338.452

Migraine prophylactic. Serotonin inhibitor. Cryst. (C_6H_6). Mp 186°. $[\alpha]_D^{20}$ +313° (c, 0.60 in Py).

Maleate (1:1): [19875-60-6]. *Cuvalit. Lisenil. Lizenil. Lysenyl. Prolacam.* Prisms (EtOH). Mp 200°. $[\alpha]_D^{20}$ +288° (c, 0.5 in MeOH).

▷YS9325000.

Zikan, V. *et al*, *Collect. Czech. Chem. Commun.*, 1960, **25**, 1922 (*synth*)
Votkava, Z. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 220 (*pharmacol*)
Zikan, V. *et al*, *Pharmazie*, 1968, **23**, 147 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1510.

M

Mabuterol, INN **M-00001**

4-Amino-3-chloro-α-[(dimethylethylamino)methyl]-5-(trifluoromethyl)benzene methanol, 9CI. 4-Amino-α-[(tert-butylamino)methyl]-3-chloro-5-(trifluoromethyl)benzyl alcohol

[56341-08-3]



$C_{13}H_{18}ClF_3N_2O$ M 310.746

(±)-form

β-Adrenergic blocking agent.

B,HCl: [54240-36-7]. *KD 868.* Mp 199-202° dec.

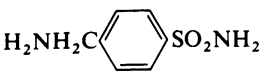
Ger. Pat., 2 351 281, (*1975*); *CA*, **83**, 58794s (*synth, tox, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19438.

Mafenide, BAN, USAN, INN **M-00002**

4-(Aminomethyl)benzenesulfonamide, 9CI. α-Amino-p-toluenesulfonamide, 8CI. 4-Homosulfanilamide. Sulfabenzamine. Sulfamylon. NSC 34632. Other proprietary names

[138-39-6]



$C_7H_{10}N_2O_2S$ M 186.228

Antibiotic. Cryst. (EtOH). Sol. dil. acids, alkalis. Mp 151-152°.

B,HCl: [138-37-4]. Mp 256°.

▷XT5425000.

B,AcOH: [13009-99-9]. *Mafenide acetate, JAN, USAN. Mefamide. Napaltan. Winthrosin. Mafatate. TO 105.* Mp 169-172°.

▷XT5250000.

B,CH_3CH_2COOH: Sulfomyl. Mp 158°.

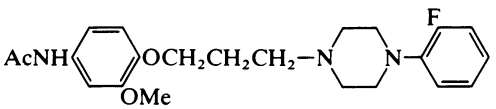
Compd. with Sulfathiourea (1:1): [1161-88-2]. ***Sulfatolamide, INN.*** *Sulfatolamide. Aseptorid. Marbadal. Marbaletten. Mirbedal. Sulfathiamid* M. *Sulphatolamide, BAN.* Antibacterial agent. Cryst. Mp 179-181°.

Miller, E. *et al, J. Am. Chem. Soc.*, 1940, **62**, 2099 (*synth*)
Bergeim, F.H. *et al, J. Am. Chem. Soc.*, 1944, **66**, 1459 (*synth*)
Japan. Pat., 177 844, (*1949*); *CA*, **45**, 9404 (*manuf*)
Chang, Y.-T. *et al, CA*, 1953, **47**, 7103 (*tox*)
Maschka, A. *et al, Monatsh. Chem.*, 1954, **85**, 168 (*uv*)
Momose, T. *et al, J. Pharm. Soc. Jpn.*, 1950, **70**, 14 (*cryst struct*)
Meyer-Dulheuer, K.H. *et al, Pharm.-Ztg.*, 1965, 110.
Tanaka, Y. *et al, Chem. Pharm. Bull.*, 1965, **13**, 399 (*ir*)
Rakoczy, R. *et al, J. Med. Chem.*, 1967, **10**, 273 (*salts*)
Chatterjee, C. *et al, Acta Crystallogr., Sect. B*, 1981, **3**, 1835 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 727 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4906, 4907, 4908.

Mafoprazine, INN **M-00003**

N-[4-[3-[4-(2-Fluorophenyl)-1-piperazinyl]propoxy]-3-methoxyphenyl]acetamide, 9CI. 1-[3-(4-Acetamido-2-methoxyphenoxy)propyl]-4-(2-fluorophenyl)piperazine

[80428-29-1]



$C_{22}H_{28}FN_3O_3$ M 401.480

CNS depressant. Cryst. (2-propanol). Mp 122.5-123.5°.

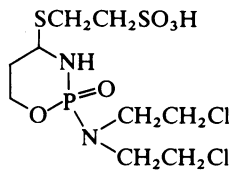
B,HCl: [80428-30-4]. Needles (MeOH). Mp 265-268° (dec.).

B,$MeSO_3H$: [80428-31-5]. *1K 640.* Needles (EtOH). Mp 196-197°.

Eur. Pat., 34 284, (*1981*); *CA*, **96**, 35302j (*synth, pharmacol*)
Fujihara, M. *et al, Oyo Yakuri*, 1987, **33**, 95; *CA*, **107**, 17183n (*metab*)

Mafosfamide, INN **M-00004**

2-[[2-[Bis(2-chloroethyl)amino]tetrahydro-2H-1,3,2-oxazaphosphorin-4-yl]thio]ethanesulfonic acid P-*oxide, 9CI*



$C_9H_{19}Cl_2N_2O_5PS_2$ M 401.259

***cis*-(±)-form** [88859-04-5]

Isomerises to a *cis/trans* mixt. in aq. soln. Antineoplastic agent.

Cyclohexanamine salt (1:1): [84210-80-0]. *Asta Z 7557. NSC 345842.* Cryst. Mp 126-134°.

Niemeyer, U. *et al, Invest. New Drugs*, 1984, **2**, 133 (*synth, pharmacol, props*)
Hilgard, P. *et al, Cancer Treat. Rev.*, 1985, **12**, 155 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18785.

Magaldrate, INN, BAN, USAN **M-00005**

Aluminum magnesium hydroxide sulphate. Riopan. AY 5710. Dynese

[74978-16-8]

A synthetic combination of aluminium and magnesium hydroxides and sulphuric acid corresponding approx. to the formula $Al_5Mg_{10}(OH)_{31}(SO_4)_2$. Antacid.

Serna, C.J. *et al, J. Pharm. Sci.*, 1978, **67**, 324 (*struct*)
Brindley, G.W. *et al, Am. Mineral.*, 1979, **64**, 836 (*cryst struct*)
Baur, C. *et al, Arzneim.-Forsch.*, 1981, **31**, 504 (*rev*)
Ger. Pat., 3 408 463, (*1985*); *CA*, **104**, 39803e (*synth*)
Woolfson, A.D. *et al, Pharm. J.*, 1985, **235**, 108 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 695.

Magnesium carbonate, BAN, USAN M-00006

Magnesite

[546-93-0]

$MgCO_3$

$CMgO_3$ M 84.314

Antacid. Used as an abrasive agent in toothpastes. White powder. Insol. H_2O. Mp 350° dec.

▷OM2470000.

Dihydrate: [5145-48-2]. *Barringtonite.* Triclinic cryst.

Trihydrate: [14457-83-1]. *Nesquehonite.* Monoclinic cryst.

Pentahydrate: [61042-72-6]. *Lansfordite.* Monoclinic cryst.

Copp, A.N. *et al, Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley, N.Y., **14**, 618 (*rev*)

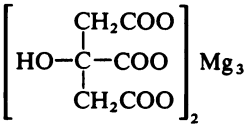
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 698.

Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2150.

Magnesium citrate M-00007

Evac-Q-Mag. Citresia. Citro-Mag. Citronema. Magcorol

[3344-18-1]



$C_{12}H_{10}Mg_3O_{14}$ M 451.118

Laxative.

U.S.P., 1 936 364, (*1934*); *CA*, **28**, 858 (*synth*)

Rojahn, C.A., *Deut. Apoth.-Ztg.*, 1935, **50**, 1209 (*synth*)

Gold, H., *et al, J. Am. Pharm. Assoc.*, 1943, **32**, 173 (*pharmacol*)

Stern, P.A. *et al, Arch. Int. Pharmacodyn.*, 1956, **107**, 178 (*pharmacol*)

Johnson, C.K., *Acta Cryst.*, 1965, **18**, 1004 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1173.

Magnesium hydroxide M-00008

Milk of Magnesia, USAN. Mint-O-Mag

[1309-42-8]

$Mg(OH)_2$

H_2MgO_2 M 58.320

Antacid, laxative. Amorph. powder. Dec. at 350°. Component of Ascriptin, Camalox, Fermalox, Gelusil, Maalox Plus, Mylanta and Oxaine M.

U.S.P., 3 127 241, (*1964*); *CA*, **60**, 14155h

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 908 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 699.

Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2152.

Magnesium phosphate M-00009

[7757-87-1]

$Mg_3(PO_4)_2$

$Mg_3O_8P_2$ M 262.858

Antacid.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 703.

Magnesium sulfate M-00010

[7487-88-9]

$MgSO_4$

MgO_4S M 120.363

Anticonvulsant, laxative, electrolyte replenisher. Opaque needles. Used as heptahydrate. Numerous other hydrates known.

▷OM4500000.

Heptahydrate: [10034-99-8]. *Epsonite.* Colourless orthorhombic cryst.

U.S.P., 3 297 413, (*1967*); *CA*, **66**, 47919j

Copp, A.N. *et al, Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley, N.Y., **14**, 636 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1174.

Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2154.

Magnesium trisilicate M-00011

Trimax. Sellagen. Magnosil

[39365-87-2]

$2MgO.3SiO_2$

$Mg_2O_8Si_3$ M 260.862

Antacid. White powder. Component of Azolid A, Malcotabs, Tricreamalate and Trisogel.

Glass, N., *Quart. J. Pharm. Pharmacol.*, 1936, **9**, 445.

U.S.P., 3 272 594, (*1966*); *CA*, **65**, 16563d (*synth*)

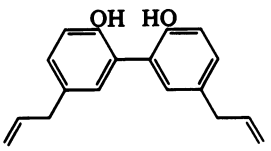
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 704.

Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2154.

Magnolol M-00012

5,5'-Bis(2-propenyl)-2,2'-biphenyldiol. 5,5'-Diallyl-2,2'-dihydroxybiphenyl

[528-43-8]



$C_{18}H_{18}O_2$ M 266.339

Constit. of *Sassafras randaiense* and *Magnolia* spp. Antibacterial, antifungal agent. Cryst. (Et_2O/hexane). Mp 101.5-102°.

Clark, A.M. *et al, J. Pharm. Sci.*, 1981, **70**, 951 (*props*)

Wang, Y. *et al, J. Chin. Chem. Soc.*, 1982, **30**, 215 (*cryst struct*)

El-Feraly, F.S. *et al, J. Nat. Prod.*, 1983, **46**, 493.

Watanabe, K. *et al, Planta Med.*, 1983, **49**, 103 (*isol, pharmacol*)

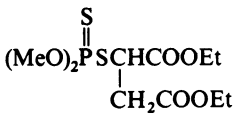
Hattori, M. *et al, Chem. Pharm. Bull.*, 1984, **32**, 5010; 1986, **34**, 158 (*metab*)

Ho, T.I. *et al, CA*, 1986, **105**, 152803 (*synth*)

Malathion, BSI, ISO, BAN **M-00013**

[(Dimethoxyphosphinothioyl)thio]butanedioic acid diethyl ester, 9CI. S-(1,2-Dicarbethoxyethyl) O,O-dimethyl dithiophosphate. Carbofos. Carbophos. Cythion. Prioderm. Taskil. Other proprietary names

[121-75-5]



$C_{10}H_{19}O_6PS_2$ M 330.350

▷WM8400000.

(±)-*form*

Wide range insecticide. Cholinesterase inhibitor. Yellow liq. with characteristic odour. V. spar. sol. H_2O. d_4^{25} 1.23. Mp −7°. $Bp_{0.7}$ 156-157° sl. dec. n_D^{25} 1.4985. Low acute toxicity.

▷Exp. carcinogen, TLV 10

Cassaday, J.T. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 557 (*synth*)
Melnikov, N.N. *et al*, *Zh. Obshch. Khim.*, 1953, **23**, 1352 (*synth*)
Keith, L.H. *et al*, *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Ackerman, H., *J. Chromatogr.*, 1969, **44**, 414 (*tlc*)
Gaines, T.B., *Toxicol. Appl. Pharmacol.*, 1969, **14**, 515 (*tox*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P-31 nmr*)
Gore, R.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*ir, uv*)
Holmstead, R.L. *et al*, *J. Assoc. Off. Anal. Chem.*, 1974, **57**, 1050 (*ms, metab*)
Nicholas, M.L. *et al*, *J. Assoc. Off. Anal. Chem.*, 1976, **59**, 1071 (*raman*)
Szalontai, G., *J. Chromatogr.*, 1976, **124**, 9 (*hplc*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms, metab*)
Busch, K.L. *et al*, *Appl. Spectrosc.*, 1978, **32**, 388 (*ms*)
Mulla, M.S. *et al*, *Residue Rev.*, 1981, **81**, 1 (*metab, rev*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A249.
Ding, X.D. *et al*, *J. Agric. Food Chem.*, 1984, **32**, 622 (*hplc*)
Pesticide Manual, 6th Ed., 321; 7th Ed., 337.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1761.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 604.

Malethamer, USAN **M-00014**

***Maletamer, INN**. 2-Butenoic acid ethenyl ester polymer with ethene and 2,5-furandione, 9CI. 21679 CH*

[29535-27-1]

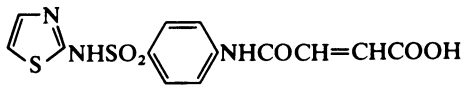
High MW copolymer of ethylene with maleic anhydride crosslinked with vinyl crotonate. Antiperistaltic agent.

Lin, T.M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **169**, 147, 162 (*pharmacol*)
Reddy, B.S. *et al*, *Polymer*, 1984, **25**, 115 (*synth*)
Raetzsch, M. *et al*, *Makromol. Chem.*, 1986, **187**, 1669 (*cmr, struct*)

Maleylsulfathiazole, INN **M-00015**

4-Oxo-4-[4-[(2-thiazolylamino)sulfonyl]phenyl]amino-2-butenoic acid, 9CI. 4'-(2-Thiazolylsulfamoyl)-maleanilic acid, 8CI. Carbothiazol

[515-57-1]



$C_{13}H_{11}N_3O_5S_2$ M 353.367

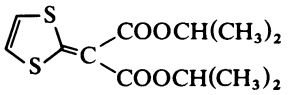
Sulphonamide, antibacterial agent. Mp 207-208°.

Rylski, L. *et al*, *Acta Pol. Pharm.*, 1970, **27**, 249 (*synth, pharmacol*)
Lepri, L. *et al*, *J. Chromatogr.*, 1974, **93**, 201 (*tlc*)

Malotilate, INN **M-00016**

Bis(1-methylethyl)-1,3-dithiol-2-ylidenepropanedioate. Diisopropyl-1,3-dithiole-$\Delta^{2,\alpha}$-malonate. NKK 105. Hepation. Kantec

[59937-28-9]



$C_{12}H_{16}O_4S_2$ M 288.376

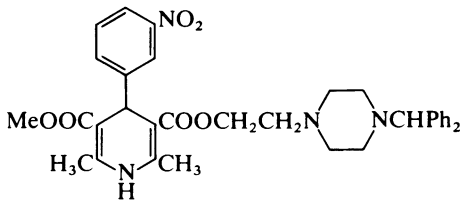
Fungicide, treatment of liver disorders. Cryst. (*n*-hexane). Mp 59-60°.

Ger. Pat., 2 545 569, (*1976*); *CA*, **85**, 46636v (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17039.

Manidipine, INN **M-00017**

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-[4-(diphenylmethyl)-1-piperazinyl]ethyl methyl ester, 9CI. Franidipine

[89226-50-6]



$C_{35}H_{38}N_4O_6$ M 610.708

Antihypertensive agent (Ca antagonist). Light-yellow cryst. (isopropyl ether/hexane). Mp 125-128°.

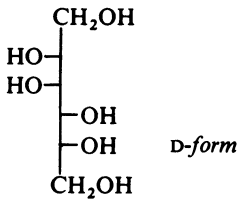
B,2HCl: [89226-75-5]. *CV 4093*. Dimorph. yellow cryst. Mp 157-163°, Mp 204-206.5°.

Meguro, K. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3787 (*synth, pharmacol*)
Okabe, K. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **243**, 703 (*pharmacol*)
Nakaya, H. *et al*, *Eur. J. Pharmacol.*, 1988, **146**, 35 (*pharmacol*)

Mannitol M-00018

Kurrine (obsol.)

[87-78-5]



D-*form*

$C_6H_{14}O_6$ M 182.173

D-form [69-65-8]

Cordycepic acid. Osmitrol. Resectisol. Other proprietary names

Widespread in plants and their exudates particularly olive and plane trees. Obt. from manna and seaweeds. Diagnostic aid (renal function determination); diuretic. Mp 166°. $[\alpha]_D^{25}$ −0.21° (c, 17.6 in H_2O), +28.61° (c, 10 in 12.8% borax aq.).

▷OP2060000.

2,3:4,5-Di-O-benzylidene: [35827-52-2].
$C_{20}H_{22}O_6$ M 358.390
Mp 203-205°. $[\alpha]_D$ +76.7° (Py).

1,2:3,4-Di-O-isopropylidene: [38145-93-6].
$C_{12}H_{22}O_6$ M 262.302
Mp 37-39°. $[\alpha]_D$ +19.3° (H_2O).

1,2:5,6-Di-O-isopropylidene: [1707-77-3].
$C_{12}H_{22}O_6$ M 262.302
Mp 122°. $[\alpha]_D$ +1.2° (H_2O).

2,3:4,5-Di-O-methylene: [58525-56-7]. *2,3:4,5-Di-O-methylene-D-mannitol.*
$C_8H_{14}O_6$ M 206.195
Mp 139°. $[\alpha]_D$ +71.1° (H_2O).

2,3:4,5-Di-O-methylene, 1,6-di-O-benzoyl: [42400-22-6].
$C_{22}H_{22}O_8$ M 414.411
Mp 120-122°. $[\alpha]_D$ +68.1° ($CHCl_3$).

Hexa-Ac: [642-00-2]. *1,2,3,4,5,6-Hexa-O-acetyl-D-mannitol.*
$C_{18}H_{26}O_{12}$ M 434.396
Mp 126°. $[\alpha]_D$ +25.0° ($CHCl_3$).

3,4-Ditosyl, 1,2,5,6-tetra-Ac: $[\alpha]_D$ −0.8° ($CHCl_3$).

1,6-Ditosyl, 2,3,4,5-tetra-Ac: 2,3,4,5-Tetra-O-acetyl-1,6-di-O-tosyl-D-mannitol. Mp 119-120°. $[\alpha]_D$ +22.9° ($CHCl_3$).

Hexabenzoyl: 1,2,3,4,5,6-Hexa-O-benzoyl-D-mannitol.
$C_{48}H_{38}O_{12}$ M 806.821
Mp 149°. $[\alpha]_D$ +50.7° ($CHCl_3$).

3,4-Ditosyl, 1,2,5,6-tetrabenzoyl: Mp 136-137°. $[\alpha]_D$ −4.8° ($CHCl_3$).

1,6-Ditosyl, 2,3,4,5-tetrabenzoyl: 2,3,4,5-Tetra-O-benzoyl-1,6-di-O-tosyl-D-mannitol. Mp 166°. $[\alpha]_D$ +36.9° ($CHCl_3$).

Hexanitrate: [15825-70-4]. ***Mannitol hexanitrate, INN.*** *Nitromannitol. Nitromannite. Numerous proprietary names.*
$C_6H_8N_6O_{18}$ M 452.159
Coronary vasodilator and spasmolytic. Needles (EtOH). Mp 106-108°.

▷Explodes upon percussion. Mod. toxic. OP3000000.

Hexa-Me: [20746-37-6].
$C_{12}H_{26}O_6$ M 266.334
$[\alpha]_D$ +12.5°.

1,6-Ditrityl: [29780-94-7]. *1,6-Di-O-trityl-D-mannitol.*
Mp 98-103°. $[\alpha]_D$ −3.5° (C_6H_6).

1,2,5,6-Tetrakis(methanesulfonyl): [7518-35-6]. ***Mannosulfan, INN.*** *Metsulnitol. Tetramezonnite. Zitostop. R 52.*
$C_{10}H_{22}O_{14}S_4$ M 494.515
Antineoplastic agent. Mp 114-115°. $[\alpha]_D^{20}$ −4.9° (c, 5 in dioxan).

▷OP3605000.

L-form [643-01-6]
Not known in nature. Mp 164°.

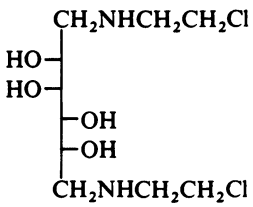
DL-form [133-43-7]
α-Acritol
Mp 170°.

Lohmar, R. *et al*, *Carbohydr. Res.*, 1949, **4**, 211 (*rev*)
Wright, L. *et al*, *J. Org. Chem.*, 1961, **26**, 1588 (*synth*)
Horváth, T. *et al*, *Carbohydr. Res.*, 1971, **16**, 253 (*Mannosulfan*)
Vargha, L. *et al*, *Ther. Hung.*, 1971, **19**, 10 (*Mannosulfan*)
Brimacombe, J.S. *et al*, *The Carbohydrates*,, Academic Press, 1972, **1A**, 479.
Benson, F.R., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1978, **1**, 754 (*rev*)
Matsuhiro, B. *et al*, *Carbohydr. Res.*, 1981, **89**, 326 (*cmr*)
Makkee, M. *et al*, *Starch*, 1985, **37**, 136 (*rev, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2338, 9251.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 457, 572.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1525, 1733.

Mannomustine, BAN, INN M-00019

1,6-Bis[(2-chloroethyl)amino]-1,6-dideoxy-D-mannitol, 9CI, 8CI. Mannitol nitrogen mustard. Degranol. Mannitlost. NSC 9698

[576-68-1]



$C_{10}H_{22}Cl_2N_2O_4$ M 305.201
Claimed to be suitable for therapy of malignant haematological diseases. Mp 278° dec.

▷OP2100000.

B,2HCl: [551-74-6]. *Mannomustine dihydrochloride.* Mp 239-241° dec. $[\alpha]_D^{20}$ +18.46° (c, 1.81 in H_2O).

▷OP2275000.

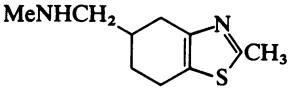
Salt with ATP (1:1): [89457-62-5]. *Degratef.*

Vargha, L. *et al*, *J. Chem. Soc.*, 1957, 805 (*synth*)
Hadnagy, C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1959, **120**, 334 (*pharmacol*)
Gergely, P. *et al*, *CA*, 1973, **79**, 38 396c.
Isakov, I. *et al*, *Khim.-Farm. Zh.*, 1983, **17**, 1446 (*salt*)
Buess, M.L. *et al*, *Org. Magn. Reson.*, 1984, **22**, 67 (*nqr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1842.

Manozodil, INN M-00020

4,5,6,7-Tetrahydro-N,2-dimethyl-5-benzothiazolemethanamine, 9CI. 4,5,6,7-Tetrahydro-2-methyl-5-[(methylamino)methyl]benzathiazole

[77528-67-7]



$C_{10}H_{16}N_2S$ M 196.310
Vasodilator. $Bp_{0.15}$ 100-101°.

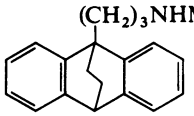
B,HCl: [95203-42-2]. Mp 248-250° dec.

Maillard, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 457 (*synth, pharmacol*)

Maprotiline, BAN, USAN, INN M-00021

N-Methyl-9,10-ethanoanthracene-9(10H)-propanamine, 9CI

[10262-69-8]



$C_{20}H_{23}N$ M 277.408

Antidepressant. Mp 92-94°.

▷KJ4552000.

B,HCl: [10347-81-6]. *Maprotiline hydrochloride, USAN. Ludiomil. Ba 34276. Ladiomil. Ludionil.* Cryst. (2-propanol). Mp 230-232°.

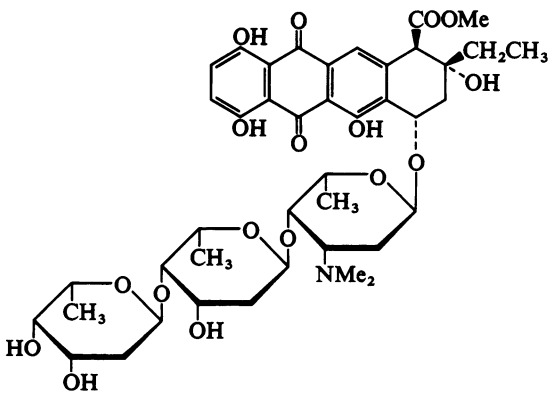
▷KJ4555000.

Wilhelm, M. *et al*, *Helv. Chim. Acta*, 1969, **52**, 1385 (*synth, nmr, ms*)
Pinder, R.M. *et al*, *Drugs*, 1977, **13**, 321 (*rev, pharmacol*)
Stimmel, G.L., *Drug Intell. Clin. Pharm.*, 1980, **14**, 585 (*rev*)
Wells, B.G. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1981, **1**, 121 (*rev, pharmacol*)
Breyer-Pfaff, U. *et al*, *Xenobiotica*, 1985, **15**, 57 (*metab*)
Hayes, P.E. *et al*, *Clin. Pharm.*, 1986, **5**, 471 (*rev, tox*)
Suh, S.K. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 393 (*rev, synth, anal, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2524.

Marcellomycin M-00022

MA 144U2. Antibiotic MA 144U2. Rhodirubin E

[63710-10-1]



$C_{42}H_{55}NO_{17}$ M 845.893

Anthracycline antibiotic. Isol. from *Actinosporangium* spp. and *Streptomyces galilaeus*. Antitumour agent. Red-orange needles (MeCN) or yellow solid. Mp 145-147°. λ_{max} 431 nm (MeOH).

▷QI9279100.

N-De-Me: [72586-21-1]. ***Alcindoromycin***. *Demethylmarcellomycin.*
$C_{41}H_{53}NO_{17}$ M 831.866
Isol. from *A.* sp. Active against gram-positive bacteria and tumours. Red solid + ½H_2O + ½toluene. Mp 148-150°. $[\alpha]_D^{23}$ +13° (c, 0.05 in $CHCl_3$).

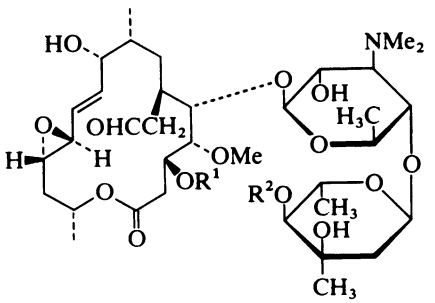
1-Epimer: [72657-06-8]. ***Mimimycin***.
$C_{42}H_{55}NO_{17}$ M 845.893
From *A.* sp. Active against gram-positive bacteria and tumours. Red powder. Mp 154-156° dec.

Nettleton, D.E. *et al*, *J. Antibiot.*, 1977, **30**, 525 (*isol, ir, nmr, ms, struct*)
U.S.P., 4 039 736, (*1977*); *CA*, **87**, 165996p (*isol*)
Johnson, R.K. *et al*, *Cancer Treat. Rep.*, 1978, **62**, 1535 (*pharmacol*)
Doyle, T.W. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 7041 (*Alcindoromycin*)
Duvernay, V.H. *et al*, *Mol. Pharmacol.*, 1979, **15**, 341 (*pharmacol, struct*)
Nettleton, D.E. *et al*, *J. Nat. Prod.*, 1980, **43**, 242, 258 (*Alcindoromycin*)
Matsuzawa, Y. *et al*, *J. Antibiot.*, 1981, **34**, 959, 1596.

Maridomycin III M-00023

12,13-Epoxy-12,13-dihydroleucomycin V 3,4B-dipropanoate, 9CI. ***Maridomycin, INN***. *Platenomycin* C_1. *Turimycin* EP_3. *B 5050C. YL 704*C_1. *Antibiotic B 5050C. Antibiotic YL 704*C_1. *ML 100*

[35775-82-7]



$R^1 = R^2 = COCH_2CH_3$

$C_{41}H_{67}NO_{16}$ M 829.977

Macrolide antibiotic. Isol. from *Streptomyces platensis* and *S. hygroscopicus*. Peptidyltransferase inhibitor active against gram-positive bacteria. Needles. Mp 135-138°. $[\alpha]_D^{22}$ −69° (c, 1 in $CHCl_3$), −76° (c, 1 in EtOH).

Di-Ac: Mp 102-104°.

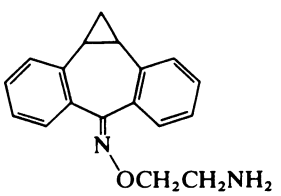
9-Propanoyl: [35775-84-9]. *Maridomycin propionate. Remimycin.* ***Propyonylmaridomycin, JAN***.
$C_{44}H_{71}NO_{17}$ M 886.041
Antibacterial. Cryst. (Me_2CO/pet. ether).

Muroi, M. *et al*, *Experientia*, 1972, **28**, 129, 501 (*isol, struct, abs config*)
Harada, S. *et al*, *Antimicrob. Agents Chemother.*, 1973, **4**, 140 (*deriv*)
Muroi, M. *et al*, *J. Antibiot.*, 1973, **26**, 199 (*isol*)
Kinumaki, A. *et al*, *J. Antibiot.*, 1974, **27**, 102, 117 (*isol, struct, ir, ms, nmr*)
Muroi, M. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 463 (*isol, struct, uv, ir, ms, nmr*)
Kamiya, K. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1753 (*cryst struct, deriv*)
Fricke, H. *et al*, *Pharmazie*, 1979, **34**, 339 (*struct*)

Mariptiline, INN M-00024

1a,10b-Dihydrodibenzo[a,e]*cyclopropa*[c]*cyclohepten-6(1H)-one O-(2-aminoethyl)oxime, 9CI*

[60070-14-6]



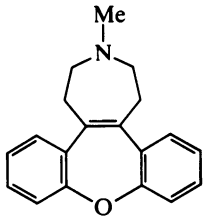
$C_{18}H_{18}N_2O$ M 278.353

Antidepressant. Cryst. (2-propanol). Mp 133-134°.
Ger. Pat., 2 551 105, (*1976*); *CA*, **85**, 62869d (*synth, pharmacol*)

Maroxepin, INN M-00025

2,3,4,5-Tetrahydro-3-methyl-1H-dibenz[2,3:6,7]oxepino[4,5-d]azepine, 9CI

[65509-24-2]

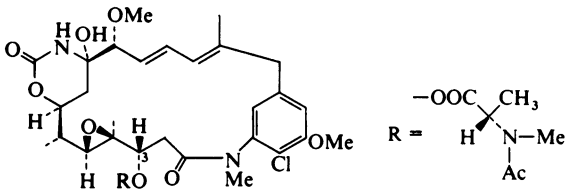


$C_{19}H_{19}NO$ M 277.365
Neuroleptic drug. Cryst. (MeCN). Mp 147-149°.
B,HCl: [65509-25-3]. Cryst. (EtOH). Mp 282-285°.
Ger. Pat., 2 723 105, (*1977*); *CA*, **88**, 105296w (*synth, pharmacol*)
Bischoff, S. *et al*, *Pharmacopsychiatry*, 1986, **19**, 306, 316 (*pharmacol*)

Maytansine, 9CI M-00026

Maitansine, INN. *MAYT. NSC 153858*

[35846-53-8]



$C_{34}H_{46}ClN_3O_{10}$ M 692.205
Ansamycin-type antibiotic. Isol. from *Maytenus ovatus* and *M. senata* (Celastraceae). Shows antileukaemic, cytotoxic, antitubulin and antimitotic props. Most potent of the maytansinoids. Has been evaluated clinically against various human carcinomas but is not a practically effective antitumour agent. Shows antimitotic, antigibberellin and auxin activity in plants. Mp 171-172°. $[\alpha]_D^{26}$ −145° (c, 0.055 in $CHCl_3$).
▷OQ2290000.

N-*De-Ac*, N-*propanoyl:* [38997-09-0]. ***Maytanprine***. $N^{2'}$-*Deacetyl*-$N^{2'}$-(*1-oxopropyl*)*maytansine, 9CI.*
$C_{35}H_{48}ClN_3O_{10}$ M 706.231
Isol. from *M. buchananii* (Celastraceae). Antileukaemic antibiotic. Mp 169-170°. $[\alpha]_D^{30}$ −125° (c, 0.0559 in $CHCl_3$).

N-*De-Ac*, N-(*2-methylpropanoyl*)*:* [38997-10-3]. ***Maytanbutine***. $N^{2'}$-*Deacetyl*-$N^{2'}$-(*2-methyl-1-oxopropyl*)*maytansine, 9CI.*
$C_{36}H_{50}ClN_3O_{10}$ M 720.258
From *M. buchananii* and *Colubrina texensis* (Celastraceae, Rhamnaceae). Antileukaemic antibiotic. Mp 170-171°. $[\alpha]_D^{30}$ −122° (c, 0.0492 in $CHCl_3$).

$N^{2'}$-*Deacetyl*, $N^{2'}$-(*3-methylpentanoyl*)*:* [52978-27-5]. ***Maytanvaline***.
$C_{37}H_{52}ClN_3O_{10}$ M 734.285
Alkaloid from *M. buchananii* (Celastraceae). Mp 175-176.5°. $[\alpha]_D^{26}$ −135° (c, 0.95 in $CHCl_3$).

$N^{2'}$-*Deacetyl*, $N^{2'}$-(*2-methylbutanoyl*), *15-hydroxy:* [50657-33-5]. ***Colubrinol***.
$C_{37}H_{52}ClN_3O_{11}$ M 750.284
Alkaloid from *C. texensis* (Rhamnaceae). Mp 194-196°. $[\alpha]_D^{22}$ −94° (c, 0.035 in $CHCl_3$).

$N^{2'}$-*Deacetyl*, $N^{2'}$-(*2-methylbutanoyl*), *15-acetoxy:* ***Colubrinol acetate***.
$C_{39}H_{54}ClN_3O_{12}$ M 792.322
Alkaloid from *C. texensis* (Rhamnaceae). Mp 179-182°. $[\alpha]_D^{22}$ −127° (c, 0.073 in $CHCl_3$).

N-*De-Me:* ***Normaytansine***.
$C_{33}H_{44}ClN_3O_{10}$ M 678.178
Minor alkaloid from *M. buchananii* (Celastraceae). Active against P388 lymphocytic leukaemia and KB cell cultures; activity resembles that of Maytansine. Cryst. (CH_2Cl_2/hexane). Mp 166-167°. Unstable in soln. Lacks the ring *N*-Me group.

Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 1354 (*uv, ir, ms, nmr, cryst struct*)
Bryan, R.F. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 897 (*cryst struct, abs config*)
Brinkmeyer, R.S., *Diss. Abstr. Int. B*, 1975, **36**, 1704; *CA*, **84**, 74150 (*synth*)
Meyers, A.I. *et al*, *Tetrahedron Lett.*, 1975, 1745, 1749 (*synth, ir, uv, nmr*)
Wolpert-Defilippes, M.K. *et al*, *Biochem. Pharmacol.*, 1975, **24**, 751 (*pharmacol*)
Götschi, E. *et al*, *Helv. Chim. Acta*, 1977, **60**, 1416 (*synth*)
Kupchan, S.M. *et al*, *J. Med. Chem.*, 1977, **21**, 31 (*derivs*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1977, **42**, 2349 (*isol, struct, uv, ir, ms, nmr, derivs*)
Jackson, D.V. *et al*, *Appl. Methods Oncol.*, 1978, **1**, 277 (*rev, pharmacol*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 6613 (*synth*)
Sneden, A.T. *et al*, *J. Nat. Prod.*, 1980, **43**, 637 (*Normaytansine*)
Wallace, W.A. *et al*, *Org. Magn. Reson.*, 1982, **19**, 31 (*cmr*)
Anon., *Synform*, 1983, 278 (*rev*)
Goodwin, T.E., *J. Chem. Educ.*, 1984, **61**, 511 (*synth*)

Maytansinol M-00027

3-De[2-(acetylmethylamino)-1-oxopropyloxy]-3-hydroxymaytansine, 9CI. Ansamitocin P_0

[57103-68-1]

As Maytansine, M-00026 with

R = H

$C_{28}H_{37}ClN_2O_8$ M 565.062
Ansamycin-type antibiotic. Constit. of *Putterlickia verrucosa* (Celastraceae). Shows pronounced antileukaemic props. No antiprotozoal activity. Mp 173-174.5°. $[\alpha]_D^{23}$ −309° (c, 0.11 in $CHCl_3$).

3-O-*Ac:* [57103-69-2]. ***Maytanacine***. *Ansamitocin* P-*1. C 15003P-1. Antibiotic C 15003P-1. 3-O-Acetylmaytansinol.*
$C_{30}H_{39}ClN_2O_9$ M 607.099
Constit. of *P. verrucosa* (Celastraceae) and *Nocardia* spp. Active against fungi, tumours, dermophytes and protozoa. Cryst. (EtOAc). Mp 234-237°. $[\alpha]_D$ −121° (c, 0.25 in $CHCl_3$).

3-O-*Butanoyl:* [66547-09-9]. ***Ansamitocin P-3'***. *C 15003P-3'. Antibiotic C 15003P-3'.*
$C_{32}H_{43}ClN_2O_9$ M 635.153
From *N.* sp. Active against fungi and tumours. Potent antiprotozoal agent. Cryst. (EtOAc). Mp 182-185° dec. $[\alpha]_D$ −134° (c, 0.11 in $CHCl_3$).

3-O-(*3-Methylbutanoyl*)*:* [66547-10-2]. ***Ansamitocin P-4***. *C 15003P-4. Antibiotic C 15003P-4.*
$C_{33}H_{45}ClN_2O_9$ M 649.180
From *N.* sp. Active against fungi and tumours. Potent antiprotozoal agent. Cryst. (EtOAc). Mp 177-180° dec. $[\alpha]_D$ −142° (c, 0.52 in $CHCl_3$).

3-O-(*2-Methylpropanoyl*)*:* [66584-72-3]. ***Ansamitocin P-3***. *C 15003P-3. Antibiotic C 15003P-3.*
$C_{32}H_{43}ClN_2O_9$ M 635.153

From *N. sp. Active against fungi and tumours. Potent antiprotozoal agent. Cryst. (EtOAc). Mp 190-192° dec.* $[\alpha]_D$ *−136° (c, 0.375 in* $CHCl_3$*).*

▷*OQ2291000.*

3-O-Propanoyl: [57103-70-5]. ***Ansamitocin P-2****. 2'-De(acetylmethylamino)maytansine, 9CI. C 15003P-2. Antibiotic C 15003P-2.*

$C_{31}H_{41}ClN_2O_9$ M 621.126

From *N.* sp. Active against fungi and tumours. Cryst. (EtOAc). Mp 188-190° dec. $[\alpha]_D$ −127° (c, 0.35 in $CHCl_3$).

Dechloro, deepoxy: [78630-38-3]. ***Dechloro-N-deepoxymaytansinol****. C 15003 deClQ-O. Antibiotic C 15003 deClQ-O.*

$C_{28}H_{38}N_2O_7$ M 514.617

From *N.* sp. Weakly active against *Tetrahymena pyriformis.* Powder.

Dechloro, 4,5-deepoxy; N-de-Me: [78630-37-2]. ***Dechloro-4,5-deepoxy-N-demethylmaytansinol****. C 15003 deClQND-O. Antibiotic C 15003 deClQND-O.*

$C_{27}H_{36}N_2O_7$ M 500.591

From *N.* sp. Weakly active against *T. pyriformis.* Powder.

Deepoxy, N-de-Me: [78619-44-0]. **N-*Demethyl-4,5-deepoxymaytansinol****. C 15003 QND-O. Antibiotic C 15003 QND-O.*

$C_{27}H_{35}ClN_2O_7$ M 535.036

From *N.* sp. Weakly active against *T. pyriformis.* Powder.

3-(3-Hydroxy-3-methylbutanoyl), N-de-Me: [78619-43-9]. **N-*Demethyl-3-(3-hydroxyisovaleroyl) maytansinol****. C 15003 PND-4-βHY. Antibiotic C 15003 PND-4-βHY.*

$C_{32}H_{43}ClN_2O_{10}$ M 651.152

From *N.* sp. Weakly active against *T. pyriformis.* Powder.

3-(3-Hydroxy-3-methylbutanoyl): [78619-41-7]. ***3-(3-Hydroxyisovaleroyl)maytansinol****. C 15003 P-4-βHY. Antibiotic C 15003 P-4-βHY.*

$C_{33}H_{45}ClN_2O_{10}$ M 665.179

From *N.* sp. Weakly active against *T. pyriformis.* Needles (EtOAc). Mp 201-203° dec.

3-(3-Hydroxymethylbutanoyl): [78709-93-0]. ***3-(4-Hydroxyisovaleroyl)maytansinol****. C 15003 P-4γHY. Antibiotic C 15003 P-4-γHY.*

$C_{33}H_{45}ClN_2O_{10}$ M 665.179

From *N.* sp. Weakly active against *T. pyriformis.* Mp 205-207° dec.

3-O-Ac, 30-Hydroxy: [78619-40-6]. ***30-Hydroxyansamitocin P-1****. C 15003 PHM-1. Antibiotic C 15003 PHM-1.*

$C_{30}H_{39}ClN_2O_{10}$ M 623.099

From *N.* sp. Active against *T. pyriformis* and tumours. Cryst.

3-O-(3-Methylbutanoyl), 30-Hydroxy: [78630-36-1]. ***30-Hydroxyansamitocin P-4****. C 15003 PHM-4. Antibiotic C 15003 PHM-4.*

$C_{33}H_{45}ClN_2O_{10}$ M 665.179

From *N.* sp. Active against *T. pyriformis* and tumours. Cryst. Mp 190-192°. $[\alpha]_D^{24}$ −149° (c, 0.23 in EtOH).

3-O-(2-Methylpropanoyl), 30-Hydroxy: [78619-38-2]. ***30-Hydroxyansamitocin P-3****. C 15003 PHM-3. Antibiotic C 15003 PHM-3.*

$C_{32}H_{43}ClN_2O_{10}$ M 651.152

From *N.* sp. Active against *T. pyriformis* and tumours. Cryst. (EtOH). Mp 192-194° dec. $[\alpha]_D^{24}$ −148° (c, 0.5 in EtOH).

3-O-Propanoyl, 30-Hydroxy: [78619-39-3]. ***30-Hydroxyansamitocin P-2****. C 15003 PHM-2. Antibiotic C 15003 PHM-2.*

$C_{31}H_{41}ClN_2O_{10}$ M 637.125

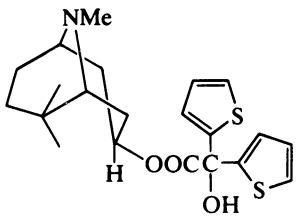
From *N.* sp. Active against *T. pyriformis* and tumours. Cryst.

Kupchan, S.M. *et al, J. Am. Chem. Soc.*, 1975, **97**, 5294 (*isol, struct, uv, ir, ms, nmr, synth*)
Higashide, E. *et al, Nature (London)*, 1977, **270**, 721
Kupchan, S.M. *et al, J. Org. Chem.*, 1977, **42**, 2349 (*isol, struct, uv, ir, ms, nmr*)
Asai, M. *et al, Tetrahedron*, 1979, **35**, 1079 (*Ansamitocins*)
Tanida, S. *et al, J. Antibiot.*, 1980, **33**, 192; 1981, **34**, 489, 496 (*Ansamitocins, derivs*)
Wallace, W.A. *et al, Org. Magn. Reson.*, 1982, **19**, 31 (*cmr*)
Anon., *Synform.*, 1983, 268 (*rev*)
Hatano, K. *et al, Agric. Biol. Chem.*, 1984, **48**, 1721 (*Ansamitocins*)
Isobe, M. *et al, J. Am. Chem. Soc.*, 1984, **106**, 3252 (*synth*)

Mazaticol, INN M-00028

6,6,9-Trimethyl-9-azabicyclo[3.3.1]non-3-yl-α-hydroxy-α-2-thienyl-2-thiopheneacetate. 6,6,9-Trimethyl-9-azabicyclo[3.3.1]non-3β-yldi-2-thienylglycolate. PG 501

[42024-98-6]



$C_{21}H_{27}NO_3S_2$ M 405.569

Antiparkinsonian agent.

B,HCl: [32891-29-5]. *Pentona. KAO-264.* Mp 233-234° dec.

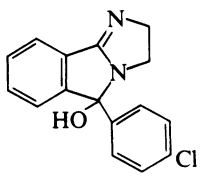
▷MC5405000.

Meshi, T. *et al, Chem. Pharm. Bull.*, 1972, **20**, 1687 (*metab*)
Yoneda, N. *et al, Chem. Pharm. Bull.*, 1972, **20**, 476 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12914.

Mazindol, BAN, USAN, INN M-00029

5-(4-Chlorophenyl)-2,5-dihydro-3H-imidazo[2,1-a]-isoindol-5-ol, 9CI, 8CI. Teronac. Sanorex. Other proprietary names

[22232-71-9]



$C_{16}H_{13}ClN_2O$ M 284.745

▷NI2975000.

(±)-*form*

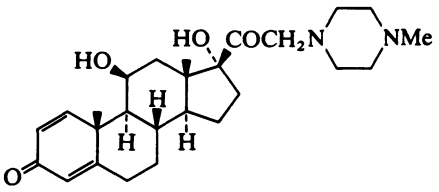
Anorexic, CNS stimulant. Cryst. (Me_2CO/hexane). Mp 198-199°.

Aeberli, P. *et al, J. Med. Chem.*, 1975, **18**, 177 (*synth, pharmacol*)
Barcza, S. *et al, J. Pharm. Sci.*, 1975, **64**, 829 (*uv*)
Ebel, S. *et al, Arch. Kriminol.*, 1977, **160**, 78 (*rev, props*)
Sweeney, K.F., *Irl. J. Med. Sci.*, 1978, **147**, 66 (*rev, pharmacol*)
Houlihan, W.J. *et al, J. Org. Chem.*, 1982, **47**, 5177 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3844 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1482.

Mazipredone, INN **M-00030**

11β,17-Dihydroxy-21-(4-methyl-1-piperazinyl)pregna-1,4-diene-3,20-dione, 8CI

[13085-08-0]



$C_{26}H_{38}N_2O_4$ M 442.597

Glucocorticoid. Solid. Mp 217-220°.

B,HCl: Depersolone. Mp 236-240°.

B,2HCl: [35410-30-1]. Mp 246-250°.

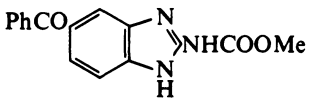
Ger. Pat., 2 123 555, (*1971*); *CA*, **76**, 59893r (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2481.

Mebendazole, BAN, USAN, INN **M-00031**

(5-Benzoyl-1H-benzimidazol-2-yl)carbamic acid methyl ester, 9CI. *Vermox. Telmin. Equivurm plus. Numerous proprietary names*

[31431-39-7]



$C_{16}H_{13}N_3O_3$ M 295.297

Anthelmintic, mainly for vet. use. Cryst. (AcOH/MeOH). Mp 288.5°.

▷EY8600000.

B.P., 1 350 277, (*1974*); *CA*, **81**, 25669k (*synth*)

Blaton, N.M. *et al, Cryst. Struct. Commun.*, 1980, **9**, 181 (*cryst struct*)

Van den Bossche, H. *et al, Adv. Pharmacol. Chemother.*, 1982, **19**, 67 (*rev, pharmacol*)

Ram, S. *et al, Org. Prep. Proced. Int.*, 1985, **17**, 215 (*synth*)

Al-Badr, A.A. *et al, Anal. Profiles Drug Subst.*, 1987, **16**, 291 (*rev*)

Ravindranathan, T. *et al, Org. Prep. Proced. Int.*, 1987, **19**, 9 (*synth*)

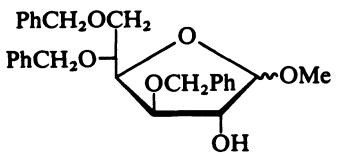
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3864 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 791.

Mebenoside, INN **M-00032**

Methyl 3,5,6-tris-O-(phenylmethyl)-D-glucofuranoside, 9CI. *Methyl 3,5,6-tri-O-benzyl-D-glucofuranoside. CB 28046*

[55902-93-7]



$C_{28}H_{32}O_6$ M 464.557

Antiinflammatory agent. $Bp_{0.9}$ 270-280°. $[\alpha]_D^{20}$ −21° (c, 1.08 in $CHCl_3$).

α-D-form [20822-88-2]

Mp 55°. $[\alpha]_D$ +26° (c, 0.88 in $CHCl_3$).

β-D-form [20822-89-3]

$[\alpha]_D^{20}$ −55° (c, 1.16 in $CHCl_3$).

Huber, G. *et al, Helv. Chim. Acta*, 1968, **51**, 1185 (*synth, pharmacol, pmr, conformn*)

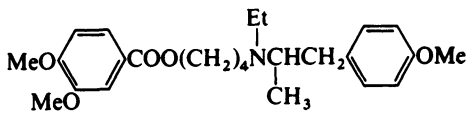
Garegg, P.J. *et al, Acta Chem. Scand., Ser. B*, 1979, **33**, 453 (*synth*)

Lee, D.S. *et al, Carbohydr. Res.*, 1984, **125**, 265 (*synth*)

Mebeverine, BAN, INN **M-00033**

3,4-Dimethoxybenzoic acid 4-[ethyl[2-(4-methoxyphenyl)-1-methylethyl]amino]butyl ester, 9CI

[3625-06-7]



$C_{25}H_{35}NO_5$ M 429.555

Antispasmodic; smooth muscle relaxant. Mp 129-131°.

▷YX5250000.

B,HCl: [2753-45-9]. *Mebeverine hydrochloride,* USAN. *Colofac. Duspatal. Duspatalin. Veratrate. CSAG 144.* Cryst. (2-butanone). Mp 105-107°.

▷YX5425000.

Ger. Pat., 1 126 889, (*1963*); *CA*, **58**, 4525 (*synth*)

Lindner, A. *et al, Arch. Int. Pharmacodyn. Ther.*, 1963, **145**, 378 (*pharmacol*)

Lindner, A. *et al, J. Med. Chem.*, 1963, **6**, 97 (*pharmacol*)

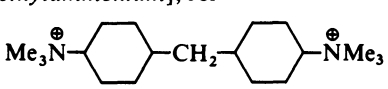
Launchbury, A.P., *Prog. Med. Chem.*, 1970, **7**, 1 (*rev*)

Bertaccini, G. *et al, Farmaco, Ed. Sci.*, 1975, **30**, 826; *CA*, **84**, 288j (*use*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5236.

Mebezonium(2+) **M-00034**

4,4'-Methylenebis[N,N,N-trimethylcyclohexanaminium], 9CI. *(Methylenedi-1,4-cyclohexylene)-bis[trimethylammonium],* 8CI



$C_{19}H_{40}N_2^{\oplus\oplus}$ M 296.538 (ion)

Neuromuscular blocker.

Iodide: [7681-78-9]. *Mebezonium iodide,* INN. *Compound 12038. T 61.*

$C_{19}H_{40}I_2N_2$ M 550.347

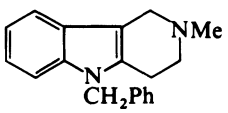
Needles. Mp 260° dec.

U.S.P., 2 697 728, (*1954*); *CA*, **50**, 1078 (*synth, pharmacol*)

Mebhydrolin, BAN, INN **M-00035**

2,3,4,5-Tetrahydro-2-methyl-5-(phenylmethyl)-1H-pyrido[4,3-b]indole, 9CI. *5-Benzyl-2,3,4,5-tetrahydro-2-methyl-1H-pyrido[4,3-b]indole,* 8CI

[524-81-2]



$C_{19}H_{20}N_2$ M 276.380

Antihistaminic drug. Sol. EtOH, MeOH, $CHCl_3$. Mp 95°. Bp_1 207-215°.

Naphthalene 1,5-disulphonate (2:1): [6153-33-9]. *Mebhydrolin napadisylate,* JAN. *Fabahistin. Incidan. Insidal. Omeril. Diazoline.* Spar. sol. H_2O, EtOH, Et_2O, $CHCl_3$. Mp 280° dec. Active ingredient of Refagan.

Hörlein, U., *Chem. Ber.*, 1954, **87**, 463 (*synth*)

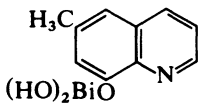
Kharkevich, D.A., *Farmakol. Toksikol.*, 1957, **20**, 46; *CA*, **52**, 10425 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6141.

Mebiquine, INN M-00036

Dihydroxy(6-methyl-8-quinolinato)bismuth, 8CI. Diaretyl

[23910-07-8]



$C_{10}H_{10}BiNO_3$ M 401.174

Antidiarrhoeal, anthelmintic. Yellow powder.

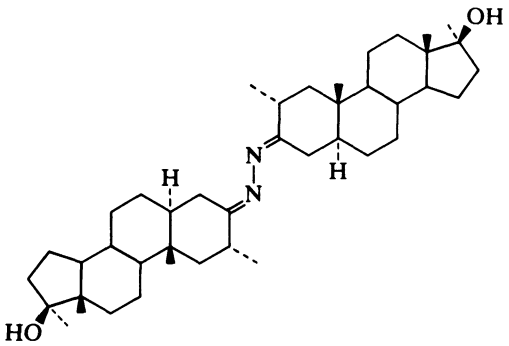
Ger. Pat., 1 811 581, (*1969*); *CA*, **71**, 101734p (*synth, pharmacol*)

Cenac, J. *et al*, *Ann. Pharm. Fr.*, 1973, **31**, 273 (*pharmacol*)

Mebolazine, INN M-00037

17-Hydroxy-2,17-dimethylandrostan-3-one(17-hydroxy-2,17-dimethylandrostan-3-ylidene)hydrazone, 9CI. 17β-Hydroxy-2α,17-dimethyl-5α-androstan-3-oneazine, 8CI. Dostalon. Roxilon. Dimethazine

[3625-07-8]



$C_{42}H_{68}N_2O_2$ M 633.011

Anabolic steroid. Mp 258-260°. $[\alpha]_D$ +112° ($CHCl_3$).

Maistrello, I. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1962, **38**, 996 (*tox*)

Matscher, R. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1962, **38**, 988 (*pharmacol*)

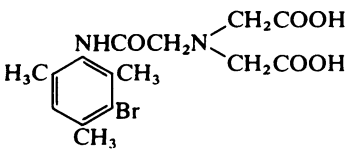
B.P., 1 005 896, (*1965*); *CA*, **63**, 18216c (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12915.

Mebrofenin, USAN, INN M-00038

N-[2-[(3-Bromo-2,4,6-trimethylphenyl)amino]-2-oxoethyl]-N-(carboxymethyl)glycine, 9CI. [[[(3-Bromomesityl)carbamoyl]methyl]imino]diacetic acid. Bilitec. SQ 26962

[78266-06-5]



$C_{15}H_{19}BrN_2O_5$ M 387.230

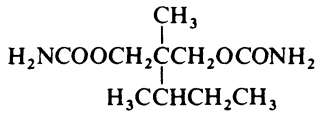
Diagnostic aid for hepatobiliary function determination. Mp 198-200°.

B.P., 2 090 252, (*1982*); *CA*, **97**, 110397v (*synth, use*)

Mebutamate, BAN, INN M-00039

2-Methyl-2-(1-methylpropyl)-1,3-propanediol dicarbamate, 9CI. 2-sec-Butyl-2-methyl-1,3-propanediol dicarbamate, 8CI. 2,2-Bis(carbamoyloxymethyl)-3-methylpentane. Methylmeprobamate. Capla. Dormate. Other proprietary names

[64-55-1]



$C_{10}H_{20}N_2O_4$ M 232.279

▷TY3850000.

(±)-form

Antihypertensive, CNS depressant. Mp 77-79°.

B.P., 803 059, (*1958*); *CA*, **53**, 9145 (*synth, pharmacol*)

Ludwig, B.J. *et al*, *J. Med. Chem.*, 1969, **12**, 462 (*synth*)

Ludwig, B.J. *et al*, *Adv. Pharmacol. Chemother.*, 1971, **9**, 173 (*rev, pharmacol*)

Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 639 (*uv*)

Coutts, R.T., *J. Pharm. Sci.*, 1973, **62**, 769 (*ms*)

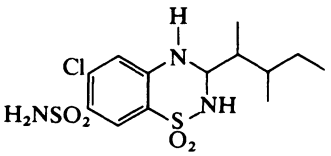
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1765 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7063.

Mebutizide, INN M-00040

6-Chloro-3-(1,2-dimethylbutyl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Neoniagar

[3568-00-1]



$C_{13}H_{20}ClN_3O_4S_2$ M 381.892

Diuretic. Mp 220-222°.

Belg. Pat., 620 287, (*1962*); *CA*, **60**, 1778b (*synth, pharmacol*)

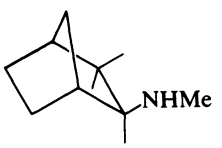
Marchetti, G. *et al*, *Farmaco, Ed. Sci.*, 1964, **19**, 661 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2339.

Mecamylamine, BAN, INN M-00041

N,2,3,3-Tetramethylbicyclo[2.2.1]heptan-2-amine, 9CI. 2,2,3-Trimethyl-3-(methylamino)norbornane. 3-Methylaminoisocamphane. Other proprietary names

[60-40-2]



(+)-form
Absolute configuration

$C_{11}H_{21}N$ M 167.294

▷RB6880000.

(+)-form

B,HCl: $[\alpha]_D$ +20.1° ($CHCl_3$).

B,HBr: Mp 262-264° dec. $[\alpha]_D^{25}$ +20.6° (c, 0.015 in $CHCl_3$).

(−)-form

B,HCl: Cryst. (2-propanol). Mp 258-261°. $[\alpha]_D$ −20.0° ($CHCl_3$).

▷RB6900000.

(±)-*form*

Antihypertensive agent. Ganglion blocking agent. Bp_4 72°.

B,HCl: [826-39-1]. *Mecamylamine hydrochloride, USAN. Inversine.* Mp 245.5-246.5° dec.

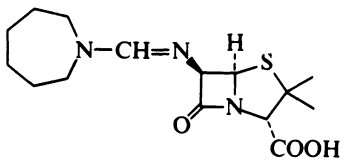
▷RB6900000.

Stein, G.A. *et al, J. Am. Chem. Soc.*, 1956, **78**, 1514 (*synth*)
Lechat, P. *et al, Therapie*, 1961, **16**, 252 (*pharmacol*)
Stone, C.A. *et al, J. Med. Chem.*, 1962, **5**, 665 (*synth, struct, resoln*)
Thompson, W.E. *et al, J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Boura, A.L.A. *et al, Discoveries Pharmacol.*, 1984, **2**, 73 (*rev, pharmacol*)
Schönenberger, B. *et al, Helv. Chim. Acta*, 1986, **69**, 283, 1486 (*resoln, cryst struct, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2168 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 880.

Mecillinam, BAN, INN M-00042

Amdinocillin, USAN. *Amidinopenicillin* HX. *Coactin. Hexacillin. Penicillin* H_x. *FL 1060. Ro 10-9070*

[32887-01-7]



$C_{15}H_{23}N_3O_3S$ M 325.425

Deriv. of 6-Aminopenicillanic acid, semisynthetic pencillin. Antibiotic active against gram-negative bacteria. Sol. H_2O. Mp 156°. $[\alpha]_D^{20}$ +285° (c, 1 in 0.1N HCl). pK_{a1} 3.2, pK_{a2} 8.9. Not a true penicillin as the side chain is not acylamino.

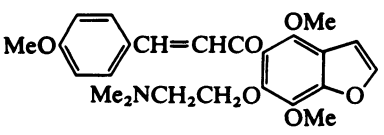
▷XI0185000.

Ger. Pat., 2 055 531, (*1971*); *CA*, **75**, 49070 (*synth*)
Lund, F. *et al, Nature* (*London*), New Biol., 1972, **236**, 135 (*synth*)
Godtfredsen, W.O., *J. Antimicrob. Chemother. Suppl.*, 1977, **3**, 1 (*rev*)
Krajewski, J.W. *et al, J. Antibiot.*, 1981, **34**, 282 (*cryst struct*)
Koenig, H.B. *et al, Arzneim.-Forsch.*, 1983, **33**, 88 (*synth, props*)
Moellering, R.C. Ed., *Am. J. Med.*, 1983, **75**(2A) (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 102.

Mecinarone, INN M-00043

*5-*p*-Methoxycinnamoyl-4,7-dimethoxy-6-(2-dimethylaminoethoxy)benzo*[b]*furan. 1-[6-[2-(Dimethylamino)ethoxy]-4,7-dimethoxy-5-benzofuranyl]-3-(4-methoxyphenyl)-2-propen-1-one, 9CI. 6809 MD*

[26225-59-2]



$C_{24}H_{27}NO_6$ M 425.480

Vasodilator, spasmolytic, antihypertensive agent. Mp 88°.

▷UD5574500.

Maleate: [26270-59-7]. Mp 128-129°.

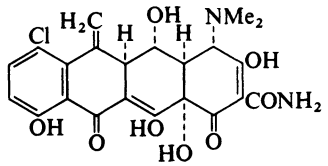
▷DF6691000.

Ger. Pat., 1 933 178, (*1970*); *CA*, **72**, 100486t (*synth, tox, pharmacol*)
Fauran, C. *et al, Chim. Ther.*, 1973, **8**, 475 (*synth*)
Pourrais, B. *et al, Arzneim.-Forsch.*, 1975, **25**, 782 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12916.

Meclocycline, BAN, USAN, INN M-00044

7-Chloro-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methylene-1,11-dioxo-2-naphthacenecarboxamide, 9CI, 8CI. GS 2989. NSC 78502. Antibiotic GS 2989

[2013-58-3]



$C_{22}H_{21}ClN_2O_8$ M 476.870

Semisynthetic. Antibacterial agent.

▷QI7830000.

B,HCl: [38324-29-7]. Cryst. Amphoteric.

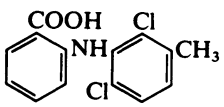
5-Sulfosalicylate (1:1): [73816-42-9]. *Meclocycline sulfosalicylate, USAN. Meclosil. Mecloderm. Meclosorb. Meclutin. Quoderm. Traumatocicline. Meclan.*

Blackwood, R.K. *et al, J. Am. Chem. Soc.*, 1963, **85**, 3943 (*synth*)
B.P., 995 031, (*1965*); *CA*, **63**, 11464e (*synth, pharmacol*)
Mazzola, E.P. *et al, J. Pharm. Sci.*, 1980, **69**, 229 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 103.

Meclofenamic acid, BAN, USAN, INN M-00045

2-[(2,6-Dichloro-3-methylphenyl)amino]benzoic acid. Arquel

[644-62-2]



$C_{14}H_{11}Cl_2NO_2$ M 296.152

Non-steroidal antiinflammatory agent, antirheumatic agent. Powder. Mp 287-291°.

▷CB2900000.

Na salt: [6385-02-0]. *Meclomen. Meclofenamate sodium, USAN. Meclonax. CI 583. INF 4668.* Mp 289-291°.

▷CB2975500.

Ethoxymethyl ester: [29098-15-5]. ***Terofenamate, INN.*** *Etoclofene. Etofen.* A_3.

$C_{17}H_{17}Cl_2NO_3$ M 354.232

Antiinflammatory agent. Cryst. (EtOH). Mp 73-74°.

▷CB2975100.

Juby, P.F. *et al, J. Med. Chem.*, 1968, **11**, 111 (*synth, pharmacol*)
Fragnan, G.B. *et al, Boll. Chim. Farm.*, 1975, **114**, 85 (*metab*)
Salimbeni, A. *et al, Farmaco Ed. Sci.*, 1975, **30**, 276 (*synth, pharmacol*)
Glazko, A.J. *et al, Curr. Ther. Res.*, 1978, **23** (*Suppl.*), 22, 51, 66, 81, 90, 131, 138 (*pharmacol*)
Wax, J. *et al, Curr. Ther. Res.*, 1978, **23**, 3 (*props*)
Murthy, H.M. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1102 (*cryst struct*)
Robinson, C., *Drugs of Today*, 1981, **17**, 250 (*rev*)
Kaltenbronn, J.S. *et al, Arzneim.-Forsch.*, 1983, **33**, 621 (*synth, props*)
McLean, J.R. *et al, Arzneim.-Forsch.*, 1983, **33**, 627 (*rev, pharmacol*)

Matsuki, Y. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1431 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2665, 2717.

Meclofenoxate BAN, INN M-00046

(4-Chlorophenoxy)acetic acid 2-(dimethylamino)ethyl ester, 9CI. 2-Dimethylaminoethyl 4-chlorophenoxyacetate. Numerous proprietary names

[51-68-3]



$C_{12}H_{16}ClNO_3$ M 257.716

Cerebral stimulant, plant growth regulator, analeptic agent.

▷AG0430000.

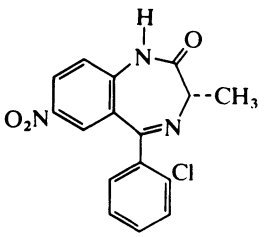
B,HCl: [3685-84-5]. *Lucidril. Brenal.* Insol. C_6H_6, Et_2O, $CHCl_3$, H_2O. Mp 135-139°.

▷AG0440000.

Thuillier, G. *et al*, *Bull. Soc. Chim. Fr.*, 1960, 1786 (*synth*)
Mitta, Y. *et al*, *Radioisotopes*, 1967, **16**, 29 (*synth*)
Zakharevskii, A.S. *et al*, *Farmakol. Toksikol.*, 1975, **38**, 154 (*pharmacol*)
Wang, S. *et al*, *CA*, 1984, **101**, 151530 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2406.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1429.

Meclonazepam, INN M-00047

5-(2-Chlorophenyl)-1,3-dihydro-3-methyl-7-nitro-2H-1,4-benzodiazepin-2-one, 9CI



$C_{16}H_{12}ClN_3O_3$ M 329.742

(S)-form [58662-84-3]

Ro 11-3128

Schistosomocide, tranquilliser. Cryst. (Et_2O). Mp 198-200°. $[\alpha]_D^{25}$ +252.1° (c, 1 in CH_2Cl_2).

Ger. Pat., 2 526 869, (*1976*); *CA*, **84**, 121916w (*synth, pharmacol*)

Mecloralurea, INN M-00048

N-Methyl-N'-(2,2,2-trichloro-1-hydroxyethyl)urea, 9CI. Heraldium. Ligerium. 75-25C

[1954-79-6]



$C_4H_7Cl_3N_2O_2$ M 221.471

(±)-form

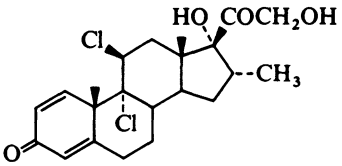
Tranquilliser. Insol. $CHCl_3$, sol. EtOH, Py. Mp 135-140°.

Chattaway, F.D. *et al*, *J. Chem. Soc.*, 1934, 109 (*synth*)
Etevenon, P. *et al*, *J. Pharmacol. Clin.*, 1974, **1**, 137 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12917.

Meclorisone, BAN, INN M-00049

9,11β-Dichloro-17,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione, 9CI

[4732-48-3]



$C_{22}H_{28}Cl_2O_4$ M 427.367

Corticosteroid. Antiinflammatory agent. Cryst. (Me_2CO/hexane). Mp 224-227° dec. $[\alpha]_D$ +132° (Py).

17,21-Dibutanoyl: [10549-91-4]. ***Meclorisone dibutyrate, USAN.*** *Sch 11572.*

$C_{30}H_{40}Cl_2O_6$ M 567.548

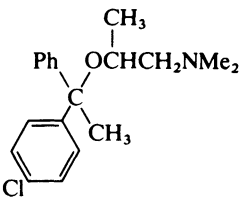
Topical antiinflammatory agent. Cryst. (MeOH aq.). Mp 176-180°. $[\alpha]_D^{25}$ +79.1° (dioxan).

Robinson, C.H. *et al*, *J. Org. Chem.*, 1961, **26**, 2863 (*synth*)
Shapiro, E. *et al*, *Steroids*, 1967, **9**, 143 (*synth, pharmacol*)
Collins, E.J. *et al*, *Steroids*, 1973, **21**, 443 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12918.

Mecloxamine, INN M-00050

2-[(p-Chloro-α-methyl-α-phenylbenzyl)oxy]-N,N-dimethylpropylamine, 8CI. β-Dimethylaminoisopropyl 4-chloro-α-methylbenzhydryl ether

[5668-06-4]



$C_{19}H_{24}ClNO$ M 317.858

Anticholinergic, sedative, hypnotic. $Bp_{0.6}$ 154-160°.

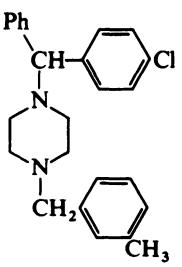
Citrate: [56050-03-4]. *Melidorm. Prophenoxamine citrate.* Mp 120-124°.

B.P., 875 060, (*1960*); *CA*, **56**, 5886 (*synth, pharmacol*)

Meclozine, BAN, INN M-00051

1-[(4-Chlorophenyl)phenylmethyl]-4-[(3-methylphenyl)methyl]piperazine, 9CI. 1-(p-Chloro-α-phenylbenzyl)-4-(m-methylbenzyl)piperazine. ***Meclizine, USAN.*** *Antivert. Bonine. Numerous proprietary names*

[569-65-3]



$C_{25}H_{27}ClN_2$ M 390.955

Antihistamine, antiemetic. Bp_2 230°. Teratogenic.

▷TL1970000.

B,2HCl: [1104-22-9]. *Meclizine hydrochloride*, *USAN*. *Diadril*. Sol. $CHCl_3$, Py, insol. H_2O, Et_2O. Mp 224° dec. (215°).

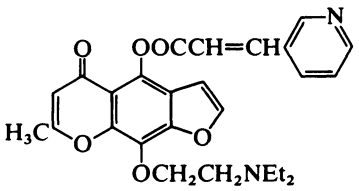
▷TL2005000.

P'an, S.Y. *et al*, *J. Am. Pharm. Assoc.*, 1954, **43**, 653 (*pharmacol*)
Morren, H.G. *et al*, *J. Pharm. Belg.*, 1955, **10**, 239 (*synth*)
El Borolossy, A.W., *J. Pharm. Belg.*, 1959, **14**, 423 (*pharmacol*)
Ruecker, G. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1967, **300**, 276 (*nmr*)
Spanish Pat., 363 219, (*1970*); *CA*, **74**, 88052e (*synth, pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7258 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6142.

Mecrifurone M-00052

3-(3-Pyridinyl)-2-propenoic acid 9-[2-(diethylamino)-ethoxy]-7-methyl-5-oxo-5H-furo[3,2-g] [1]benzopyran-4-yl ester, *9CI*

[23845-79-6]



$C_{26}H_{26}N_2O_6$ M 462.501
Coronary vasodilator. Cryst. Mp 125-126°.

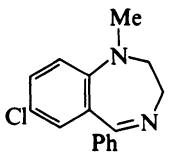
B,HCl: [23829-65-4]. *Mecrifuranone hydrochloride*. *Coronplat. AD 4*. Cryst. (MeOH). Mp 221-223°.
Picrate: Cryst. (MeOH). Mp 180-181°.

South African Pat., 68 04 444, (*1968*); *CA*, **71**, 61368 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12919.

Medazepam, BAN, INN, JAN M-00053

7-Chloro-2,3-dihydro-1-methyl-5-phenyl-1H-1,4-benzodiazepine, *9CI*, *8CI*. *Nobrium*. *Numerous proprietary names*

[2898-12-6]



$C_{16}H_{15}ClN_2$ M 270.761
Minor tranquilliser. Prisms (Et_2O/pet. ether). Mp 95-97°.

▷DE9070000.

B,HCl: [2898-11-5]. *Medazepam hydrochloride*, *USAN*. Fine orange-red cryst. Sol. H_2O, EtOH.

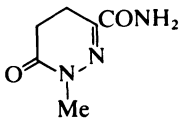
▷DE9100000.

Randall, L.O. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **185**, 135 (*pharmacol*)
Inaba, S. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1628 (*synth*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Oklobdzija, M. *et al*, *Synthesis*, 1975, 596 (*synth*)
Mihalic, M. *et al*, *J. Heterocycl. Chem.*, 1977, **14**, 941 (*synth*)
Blazevic, N. *et al*, *Acta Pharm. Jugosl.*, 1978, **28**, 61 (*synth*)
Gilli, G. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 3793 (*cryst struct*)
Chananont, P. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 898 (*cryst struct*)
Kovar, K.A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1981, **314**, 186 (*cmr*)
Finner, E. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1985, **318**, 1135 (*pmr, conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3900 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7064.

Medazonamide M-00054

1,4,5,6-Tetrahydro-1-methyl-6-oxo-3-pyridazinecarboxamide, *9CI*. **Medazomide, INN**. *L 1777*

[300-22-1]



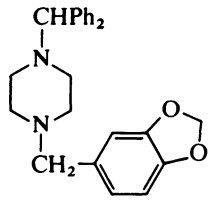
$C_6H_9N_3O_2$ M 155.156
Antitussive agent. Mp 170-172°.

Ger. Pat., 1 095 287, (*1960*); *CA*, **56**, 3490d (*synth, pharmacol*)

Medibazine, INN M-00055

1-(Diphenylmethyl)-4-(3,4-methylenedioxybenzyl)-piperazine. *1-(Diphenylmethyl)-4-piperonylpiperazine*. *S 4105*

[53-31-6]



$C_{25}H_{26}N_2O_2$ M 386.493
Coronary vasodilator, bronchodilator.

▷TL6650000.

B,2HCl: Vialibran. Mp 286°.

Belg. Pat., 616 371, (*1962*); *CA*, **60**, 1767e (*synth, pharmacol*)
Laubie, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1964, **151**, 313 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9252.

Medifoxamine, INN M-00056

N,N-*Dimethyl-2,2-diphenoxyethanamine*, *9CI*. *(Dimethylamino)acetaldehyde diphenyl acetal*, *8CI*

[32359-34-5]

$(PhO)_2CHCH_2NMe_2$

$C_{16}H_{19}NO_2$ M 257.332
Antidepressant, anxiolytic agent.

▷AB2825300.

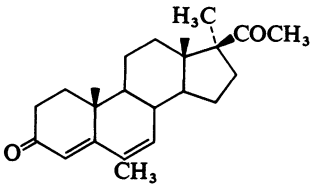
Fumarate: [16604-45-8]. *Gerdaxyl*. Mp 128.5°.
Picrate: [16604-44-7]. Mp 136°.

Brunet, M.A. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 2000 (*synth*)
Vagne, A. *et al*, *Therapie*, 1971, **26**, 553 (*pharmacol, tox*)
Barbe, J. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1976, **282**, 383, 425 (*uv, ir, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12920.

Medrogestone, BAN, USAN, INN **M-00057**

6,17-Dimethylpregna-4,6-diene-3,20-dione, 9CI, 8CI. Metrogestone. Ayerluton. Colpro. Colprone. Etogyn. Prothil. AY 62022. NSC 123018. R 13615

[977-79-7]



$C_{23}H_{32}O_2$ M 340.505

Progestin. Cryst. (Et_2O). Mp 144-146°. $[\alpha]_D^{23}$ +79° (c, 1 in $CHCl_3$).

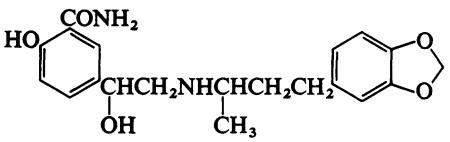
▷TU3832300.

Deghenghi, R. *et al, J. Med. Chem.*, 1963, **6**, 301 (*synth, pharmacol*)
Revesz, C. *et al, J. Reprod. Fert.*, 1966, **12**, 473 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9061.

Medroxalol, BAN, USAN, INN **M-00058**

5-[2-[[3-(1,3-Benzodioxol-5-yl)-1-methylpropyl]-amino]hydroxyethyl]-2-hydroxybenzamide, 9CI

[56290-94-9]



$C_{20}H_{24}N_2O_5$ M 372.420

Antihypertensive agent. Cryst. (EtOH aq.). Mp 162-163° dec.

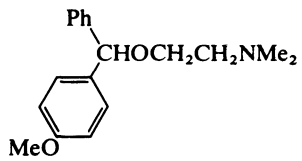
B,HCl: [70161-10-3]. *Medroxalol hydrochloride, USAN. CRMI 81968A8. RMI 81968A.* Cryst. (2-propanol aq.). Mp 211-213° dec.

U.S.P., 3 883 560, (*1975*); *CA*, **83**, 78914j (*synth, pharmacol*)
Cheng, H.C. *et al, Life Sci.*, 1980, **27**, 2529 (*isom, pharmacol*)
Cheng, H.C. *et al, Pharmacology*, 1980, **20**, 111 (*pharmacol*)
Grisar, J.M. *et al, J. Med. Chem.*, 1981, **24**, 327 (*synth, pharmacol*)
Simon, A. *et al, J. Pharmacol.*, 1986, **17**, 331 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12921.

Medrylamine, INN **M-00059**

[(p-Methoxy-α-phenylbenzyl)oxy]-N,N-dimethylethylamine, 8CI. Histaphen. Postafen salbe. Aphilan. Stopcold. Plivistin

[524-99-2]



$C_{18}H_{23}NO_2$ M 285.385

(±)-form

Antihistamine. Bp_3 181-183°.

B,HCl: [6027-00-5]. Mp 137°.

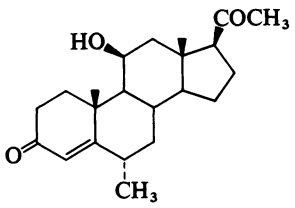
▷KR8830000.

Mudzhoyan, O.L. *et al, Izv. Akad. Nauk. Arm. SSR, Khim. Nauki*, 1962, **15**, 553 (*synth, pharmacol*)
de Roos, A.M., *Pharm. Weekbl.*, 1967, **102**, 1071, 1302 (*ir, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6143.

Medrysone, USAN, INN **M-00060**

11-Hydroxy-6-methyl-4-pregnene-3,20-dione, 9CI, 8CI. Medrocort. Other proprietary names

[2668-66-8]



$C_{22}H_{32}O_3$ M 344.493

Glucocorticoid, esp. used in treatment of eye diseases. Mp 155-158°. $[\alpha]_D$ +189° ($CHCl_3$).

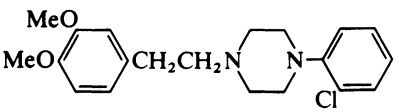
▷TU5250000.

U.S.P., 2 864 837, (*1958*); *CA*, **53**, 9294e (*synth, pharmacol*)
Anon, *Drugs*, 1972, **2**, 5 (*rev, pharmacol*)
Japan. Pat., 74 24 912, (*1974*); *CA*, **82**, 31457 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6724 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1113.

Mefeclorazine, INN **M-00061**

1-o-Chlorophenyl-4-(3,4-dimethoxyphenethyl)-piperazine. SD 218-06

[1243-33-0]



$C_{20}H_{25}ClN_2O_2$ M 360.883

Neuroleptic agent. Cryst. (isopropyl ether). Mp 94°.

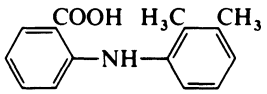
▷LD_{50} 100 mg/kg; mice, i.p. TL3000000.

Boissier, J.R. *et al, Arch. Int. Pharmacodyn.*, 1961, **133**, 29 (*pharmacol*)
Ratouis, R. *et al, J. Med. Chem.*, 1965, **8**, 104 (*synth, pharmacol*)

Mefenamic acid, BAN, USAN, INN, JAN **M-00062**

2-[(2,3-Dimethylphenyl)amino]benzoic acid, 9CI. N-2,3-Xylylanthranilic acid, 8CI. 2',3'-Dimethyldiphenylamine-2-carboxylic acid. Ponstan. Ponstel. Numerous proprietary names

[61-68-7]



$C_{15}H_{15}NO_2$ M 241.289

Antiinflammatory, analgesic. Sol. alkalis. Mp 230-231° dec. pK_a 4.2.

▷CB4550000.

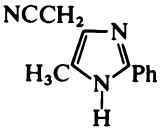
Na salt: [1804-47-3]. Powder. Sol. H_2O.

Juby, P.F. *et al, J. Med. Chem.*, 1968, **11**, 111 (*synth, pharmacol*)
McConnell, J.F. *et al, Cryst. Struct. Commun.*, 1976, **5**, 861 (*cryst struct*)
Scherrer, R.A. *et al, J. Org. Chem.*, 1980, **45**, 2127 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3529 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2666.

Mefenidil, INN, USAN **M-00063**

5-Methyl-2-phenyl-1H-imidazole-4-acetonitrile, 9CI. McN-2378

[58261-91-9]



$C_{12}H_{11}N_3$ M 197.239

Cerebral vasodilator, UV-screen.

Fumarate: [83153-38-2]. *Mefenedil fumarate, USAN.*

Hageman, W.E. *et al, Eur. J. Pharmacol.*, 1975, **30**, 100 (*pharmacol*)

U.S.P., 3 932 445, (*1976*); *CA*, **84**, 121837w (*synth, pharmacol*)

Mefenidramium(1+) **M-00064**

2-(Diphenylmethoxy)-N,N,N-trimethylethanaminium, 9CI. 2-(Diphenylmethoxy)ethyltrimethylammonium, 8CI. (2-Benzhydryloxyethyl)trimethylammonium

[29869-74-7]

$Ph_2CHOCH_2CH_2N^{\oplus}Me_3$

$C_{18}H_{24}NO^{\oplus}$ M 270.394 (ion)

Antihistamine, antitussive, antiemetic agent.

Chloride: [23362-78-9].
$C_{18}H_{24}ClNO$ M 305.847
Mp 176-177°.

Bromide: [31065-89-1]. *Dylamon. Monadyl. Paradryl.*
$C_{18}H_{24}BrNO$ M 350.298
Mp 193-195°.

▷KR5975000.

Iodide: [14177-81-2]. *Diphenhydramine methiodide. Teldrin "Ralay". IMD.*
$C_{18}H_{24}INO$ M 397.298
Mp 192-193°.

▷BQ2703400.

B,MeSO$_3$H: [4858-60-0]. *Mefenidramium metilsulfate, INN. Alerga. Allerga.*
$C_{19}H_{27}NO_5S$ M 381.486
Mp 135-136°.

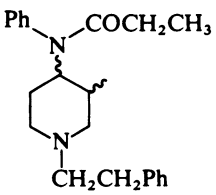
B.P., 609 454, 611 242, (*1948*); *CA*, **43**, 2640h, 3463a (*synth, pharmacol*)

Fernandez, G. *et al, Toxicol. Appl. Pharmacol.*, 1975, **31**, 179 (*pharmacol*)

Mefentanyl **M-00065**

N-[3-Methyl-1-(2-phenylethyl)-4-piperidinyl]-N-phenylpropanamide, 9CI

[42045-86-3]



$C_{23}H_{30}N_2O$ M 350.503

Narcotic analgesic.

***cis*-(+)-form**

Oxalate (1:1): Cryst. (2-propanol/Me_2CO). Mp 105-106°. $[\alpha]_D^{25}$ +7.04° (c, 4 in MeOH).

***cis*-(±)-form**

Oxalate (1:1): Cryst. (2-propanol/Me_2CO). Mp 163-164°.

***trans*-(±)-form**

Oxalate (1:1): Cryst. (2-propanol/Me_2CO). Mp 159-160°.

Riley, T.N. *et al, J. Pharm. Sci.*, 1973, **62**, 983 (*synth*)

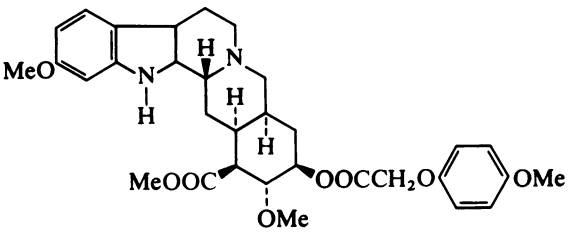
Van Bever, W.F.M. *et al, J. Med. Chem.*, 1974, **17**, 1047 (*synth, pharmacol*)

Suzuki, S. *et al, Chem. Pharm. Bull.*, 1986, **34**, 1340 (*pmr, cmr, ms*)

Mefeserpine, INN **M-00066**

Methyl 18β-hydroxy-11,17α-dimethoxy-3β,20α-yohimban-16-carboxylate (p-methoxyphenoxy)acetate, 8CI. Methyl reserpate(p-methoxyphenoxy)acetate. Methoxyphenoserpine

[3735-85-1]



$C_{32}H_{38}N_2O_8$ M 578.661

Antihypertensive agent. Mp 175-176°. $[\alpha]_D$ −75.8° (c, 1 in $CHCl_3$).

Ernest, I. *et al, Collect. Czech. Chem. Commun.*, 1963, **28**, 1022 (*synth, pharmacol*)

Trcka, V. *et al, Acta Pharmacol. Toxicol.*, 1967, **25**, 107 (*pharmacol*)

Mefexamide, USAN, INN **M-00067**

N-[2-(Diethylamino)ethyl]-2-(4-methoxyphenoxy)-acetamide, 9CI. Mefexadyne. Mexephenamide. Perneuron. Peroxinorm. Timodyne. ANP 297

[1227-61-8]



$C_{15}H_{24}N_2O_3$ M 280.366

Central stimulant.

▷AB7175000.

B,HCl: Mp 112°.

Thuillier, G. *et al, Bull. Soc. Chim. Fr.*, 1960, 1786 (*synth*)

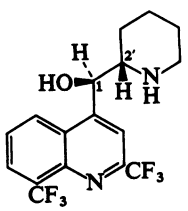
Thuillier, J., *Arzneim.-Forsch.*, 1964, **14**, 556 (*pharmacol*)

Cassebaum, H. *et al, J. Prakt. Chem.*, 1973, **315**, 1057.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12922.

Mefloquine, USAN, INN **M-00068**

α-2-Piperidinyl-2,8-bis(trifluoromethyl)-4-quinolinemethanol, 9CI. Lariacur. Lariam. Mephaquin. Ro 21-5998. WR 142490

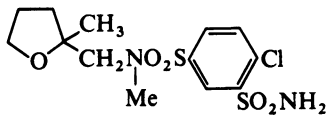


$C_{17}H_{16}F_6N_2O$ M 378.317

(1RS,2'SR)-form [53230-10-7]
(±)-erythro-*form*
Antimalarial. Mp 178-178.5°. Enantiomers are known; the 9*S*,10*R*, (−)-form being the more potent.
B,HCl: [51773-92-3]. *Mefloquine hydrochloride,* USAN. Mp 259-260°.
▷VC0308000.
Carroll, F.I. *et al, J. Med. Chem.*, 1974, **17**, 210 (*synth, pmr, pharmacol*)
Wolfe, A.D., *Antibiotics (N.Y.)*, 1983, **6**, 108 (*rev*)
Lim, P., *Anal. Profiles Drug Subst.*, 1985, **14**, 157 (*rev*)
Ngiam, T.L. *et al, Chem. Pharm. Bull.*, 1987, **35**, 409.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1381.

Mefruside, BAN, USAN, INN M-00069

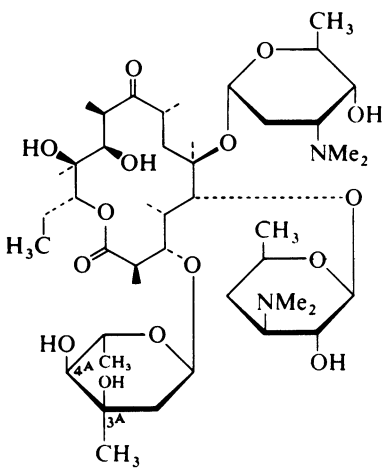
4-Chloro-N'-methyl-N'-[(tetrahydro-2-methyl-2-furanyl)methyl]-1,3-benzenedisulfonamide, 9CI. *Baycaron. Diurese. Mefrusal. Mefultol. Uremasron. Bayer 1500. FBA 1500*
[7195-27-9]



$C_{13}H_{19}ClN_2O_5S_2$ M 382.877
▷CZ9195000.
(R)-form [14796-41-9]
Mp 146°. $[\alpha]_D^{20}$ −5.4° (c, 2.1 in MeOH).
(S)-form [14796-42-0]
Mp 146°. $[\alpha]_D^{20}$ +5.4° (c, 2.03 in MeOH).
(±)-form
Diuretic. Mp 149-150°.
B.P., 1 031 916, (*1966*); *CA*, **70**, 19915u (*synth, pharmacol*)
Horstmann, H. *et al, Arzneim.-Forsch.*, 1967, **17**, 653 (*isom*)
Brogden, R.N. *et al, Drugs*, 1974, **7**, 419 (*rev, pharmacol*)
Wollweber, H. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 159, 163 (*isom, ord*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2340.

Megalomicin *A*, 9CI, 8CI M-00070

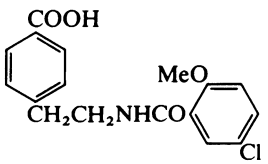
Megalomycin, INN. *W 847A. XK 41C. Antibiotic Sch 13430. Antibiotic W 847A. Antibiotic XK 41C. Sch 13430*
[28022-11-9]



$C_{44}H_{80}N_2O_{15}$ M 877.120
Macrolide antibiotic. Metab. of *Micromonospora megalomicea.* Active against gram-positive bacteria and weakly against gram-negative bacteria. Needles (Me_2CO). Mp 255-259° dec. $[\alpha]_D$ −90°. pK_a 9.0.
B,2KH₂PO₄: [51481-68-6]. *Megalomicin potassium phosphate,* USAN.
4ᴬ-Ac: Megalomycin A *4ᴬ-acetate,* 9CI. ***Megalomycin* B.** *W 847B. XK 41B₁. Antibiotic W 847B. Antibiotic XK 41B₁.*
$C_{46}H_{82}N_2O_{16}$ M 919.158
From *M. megalomicea.* Needles (Me_2CO aq.). Mp 135-140°. $[\alpha]_D^{25}$ −92° (EtOH). pK_a 8.8.
3ᴬ,4ᴬ-Di-Ac: [49669-76-3]. *Megalomycin* A *3ᴬ,4ᴬ-diacetate,* 9CI. ***Megalomycin* C_1.** *W 847C₁. XK 41A₂. Antibiotic W 847C₁. Antibiotic XK 41A₂.*
$C_{48}H_{84}N_2O_{17}$ M 961.195
From *M. megalomicea.* Needles (Me_2CO aq.). Mp 238-246° dec. $[\alpha]_D^{25}$ −102° (EtOH). pK_a 8.8.
▷OR8746940.
3ᴬ-Ac, 4ᴬ-propanoyl: [49669-77-4]. *Megalomycin* A *3ᴬ-acetate 4ᴬ-propanoate,* 9CI. ***Megalomycin* C_2.** *W 847C₂. XK 41A₁. Antibiotic W 847C₂. Antibiotic XK 41A₁.*
$C_{49}H_{86}N_2O_{17}$ M 975.222
From *M. megalomicea.* Needles (Me_2CO aq.). Mp 142-145°. $[\alpha]_D^{25}$ −102° (EtOH). pK_a 8.8.
▷OR8746910.
Tri-Ac: Mp 199-202°. $[\alpha]_D$ −86°.
Mallams, A.K. *et al, J. Am. Chem. Soc.*, 1969, **91**, 7506 (*struct, ir, nmr, ms*)
Marquez, J. *et al, J. Antibiot.*, 1969, **22**, 253, 259, 265 (*isol, props*)
Omura, S. *et al, J. Antibiot.*, 1972, **25**, 105 (*props*)
Jaret, R.S. *et al, J. Chem. Soc., Perkin Trans. 1*, 1973, 1374, 1389 (*ir, ms, nmr*)
Nourse, J.G. *et al, J. Am. Chem. Soc.*, 1975, **97**, 4584 (*cmr*)
Thang, T.T. *et al, J. Am. Chem. Soc.*, 1978, **100**, 663 (*struct, ms, pmr, cmr, cryst struct*)
Bartner, P. *et al, J. Chem. Soc., Perkin Trans. 1*, 1979, 1600 (*cmr, cd, struct, bibl*)

Meglitinide, INN M-00071

4-[2-[(5-Chloro-2-methoxybenzoyl)amino]ethyl]-benzoic acid, 9CI. *p-[2-(5-Chloro-o-anisamido)ethyl]-benzoic acid. HB 699*
[54870-28-9]

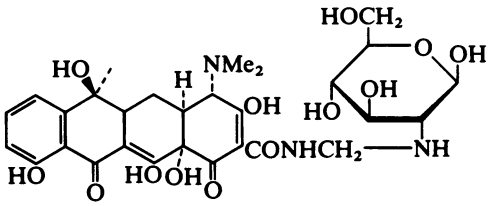


$C_{17}H_{16}ClNO_4$ M 333.771
Antidiabetic, oral hypoglycaemic agent. Cryst. (MeOH). Mp 170-172°.
▷DG5090000.
Ger. Pat., 2 500 157, (*1976*); *CA*, **85**, 159691c (*synth, pharmacol*)
Geisen, K. *et al, Arzneim.-Forsch.*, 1978, **28**, 1081 (*tox, pharmacol*)

Meglucycline, INN **M-00072**

Bioplan. Neoprodesciclina

[31770-79-3]



$C_{29}H_{37}N_3O_{13}$ M 635.624

Antibiotic.

B,2HCl: [77121-89-2]. Orange solid. Mp 195° dec.

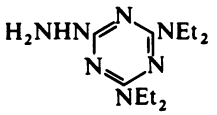
Spanish Pat., 355 262, (*1969*); *CA*, **73**, 109584 (*synth, pharmacol*)

Chandra, R. *et al*, *Indian J. Pharm. Sci.*, 1980, **42**, 33 (*synth, pharmacol*)

Meladrazine, BAN, INN **M-00073**

4,6-Bis(diethylamino)-1,3,5-triazin-2(1H)-one hydrazone, 9CI. 2,4-Bis(diethylamino)-6-hydrazino-s-triazine, 8CI. Hydramitrazine. Hydrametracine

[13957-36-3]



$C_{11}H_{23}N_7$ M 253.350

Polysynaptic inhibitor, used as urinary spasmolytic. Oil, cryst. on standing.

D-Tartrate (1:1): [20423-87-4]. *Lisidonil.*

Morpurgo, C.V., *Gazz. Intern. Med. e Chir.*, 1958, **63**, 560 (*pharmacol*)

U.S.P., 2 824 103, (*1958*); *CA*, **52**, 11130 (*synth*)

Declerck, F. *et al*, *Bull. Soc. Chim. Belg.*, 1965, **74**, 119 (*nmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12923.

Melanostatin **M-00074**

Melanotropin release-inhibiting factor. MIF. Melanocyte-stimulating-hormone-release inhibiting factor. MRIH

[9083-38-9]

Pro-Leu-Gly-NH_2

$C_{13}H_{24}N_4O_3$ M 284.358

Hypothalamic hormone which acts in the pituitary of various mammals (although not man), where it controls the release of melanotropin (melanocyte-stimulating hormone). X-ray analysis has shown that the melanostatin molecule takes a ten-membered hydrogen-bonded type II β-turn structure.

Celis, M.E. *et al*, *Proc. Natl. Acad. Sci. USA*, 1971, **68**, 1428 (*struct*)

Nair, R.M.G. *et al*, *Biochem. Biophys. Res. Commun.*, 1971, **43**, 1376 (*isol, struct*)

Reed, L.L. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 7523 (*cryst struct, conformn*)

Ralston, E. *et al*, *Proc. Natl. Acad. Sci. USA*, 1974, **71**, 1142 (*conformn*)

Kang, S. *et al*, *Proc. Natl. Acad. Sci. USA*, 1976, **73**, 1203 (*conformn*)

Higashijima, T. *et al*, *Eur. J. Biochem.*, 1978, **89**, 543 (*pmr, cmr, conformn*)

Kastin, A.J. *et al*, *Life Sci.*, 1979, **25**, 401 (*rev*)

Schantz, R.W. *et al*, *Biopolymers*, 1979, **18**, 1835 (*cd, conformn*)

Irie, H. *et al*, *Chem. Lett.*, 1980, **6**, 705 (*synth*)

Zimmerman, S.S. *et al*, *Int. J. Pept. Protein Res.*, 1982, **19**, 143 (*conformn*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5937.

β-Melanotropin **M-00075**

β-Melanocyte stimulating hormone, 9CI. β-MSH

R-Asp[1]-Glu[2]-Gly[3]-Pro[4]-Tyr[5]-Lys[6]-Met[7]-Glu[8]-His[9]-Phe[10]-Arg[11]Trp[12]-Gly[13]-Ser[14]-Pro[15]-Pro[16]-Lys[17]-Asp[18]-OH

Porcine β-melanotropin: R = H
Bovine: [Ser[2]], R = H
Monkey: [Arg[6]], R = H
Equine: [Arg[16]], R = H
Human: [Asp[1],Arg[6]], R = H-Ala-Glu-Lys-Lys-

Composition depends on the species.

Porcine [19941-13-0]

$C_{98}H_{144}N_{28}O_{28}S$ M 2194.446

Pituitary hormone from the pig.

Bovine [17206-74-5]

Seryl-β-MSH

$C_{96}H_{136}N_{26}O_{28}S$ M 2134.348

Pituitary hormone from cattle. $[\alpha]_D^{25}$ −57.5° (c, 1 in 1N AcOH).

Monkey [17750-75-3]

$C_{98}H_{144}N_{30}O_{28}S$ M 2222.460

$[\alpha]_D^{30}$ −50.7° (c, 1 in 1N AcOH).

Equine [58100-24-6]

From horses.

Human [17908-57-5]

Harris, J.I. *et al*, *Biochem. J.*, 1959, **71**, 434 (*struct*)

Li, C.H., *Surv. Biol. Progr.*, 1962, **4**, 93 (*struct*)

Pickering, B.T. *et al*, *Biochim. Biophys. Acta*, 1963, **74**, 156 (*isol*)

Rittel, W. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1975 (*synth*)

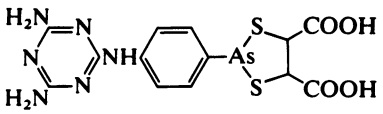
Yajima, H. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 527 (*synth*)

Watanabe, H. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 375 (*synth*)

LeMaire, S. *et al*, *J. Med. Chem.*, 1977, **20**, 155 (*synth*)

Melarsonyl **M-00076**

2-[4-[(4,6-Diamino-1,3,5-triazin-2-yl)amino]phenyl]-1,3,2-dithiarsolane-4,5-dicarboxylic acid, 9CI, 8CI



$C_{13}H_{13}AsN_6O_4S_2$ M 456.325

Antiprotozoal, used to treat trypanosomiasis.

▷Toxic

Di-K salt: [13355-00-5]. *Melarsonyl potassium, BAN, INN. Mel* W. *Trimelarsan. RP 9955.*

▷JO6100000.

U.S.P., 3 035 052, (*1962*); *CA*, **57**, 11240 (*synth*)

Cristau, B. *et al*, *Ann. Pharm. Fr.*, 1972, **30**, 65; *CA*, **77**, 24859 (*uv*)

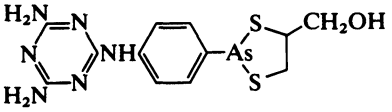
Grewal, A.S. *et al*, *CA*, 1977, **86**, 65524.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4787.

Melarsoprol, BAN, INN **M-00077**

2-[4-[(4,6-Diamino-1,3,5-triazin-2-yl)amino]phenyl]-1,3,2-dithioarsolane-4-methanol, 9CI. *Arsobal. RP 3854*

[494-79-1]



$C_{12}H_{15}AsN_6OS_2$ M 398.332

Used to treat trypanosomiasis.

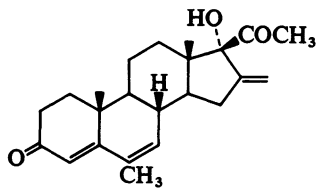
▷Toxic

B.P., 655 435, (*1951*); *CA*, **47**, 144 (*synth*)
Cristan, B. *et al*, *Ann. Pharm. Fr.*, 1972, **30**, 65 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4788.

Melengestrol, BAN, INN **M-00078**

17α-Hydroxy-6-methyl-16-methylene-4,6-pregnadiene-3,20-dione

[5633-18-1]



$C_{23}H_{30}O_3$ M 354.488

Progestogen. Antineoplastic agent.

Ac: [2919-66-6]. ***Melengestrol acetate,*** *USAN, INN. BDH 1921. MGA. MJ 5373. NSC 70668. U 21240.*
$C_{25}H_{32}O_4$ M 396.525
Progestogen, antineoplastic agent. Mp 224-226°. $[\alpha]_D^{22}$ −127° (c, 0.31 in $CHCl_3$).

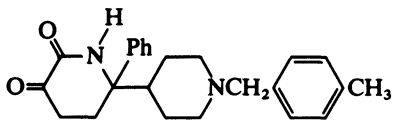
▷TU4141000.

B.P., 886 619, (*1962*); *CA*, **57**, 3533 (*synth*)
U.S.P., 3 117 966, (*1964*); *CA*, **60**, 9336 (*synth*)
Shapiro, E.L. *et al*, *J. Med. Chem.*, 1969, **12**, 631 (*synth*)
Baczynski, L. *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1243 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12925.

Meletimide, INN **M-00079**

1′-[(4-Methylphenyl)methyl]-3-phenyl[3,4′-bipiperidine]-2,6-dione, 9CI. *2-[1-(p-Methylbenzyl)-4-piperidyl]-2-phenylglutarimide,* 8CI. *R 5183*

[14745-50-7]



$C_{24}H_{28}N_2O_2$ M 376.497

(±)-form

Methyldioxatrine

Anticholinergic drug.

B,HCl: [17108-99-5]. Mp 258-260°.

U.S.P., 3 125 578, (*1964*); *CA*, **60**, 14483h (*synth, pharmacol*)
Janssen, P.A.J. *et al*, *Psychopharmacologia*, 1967, **11**, 231 (*pharmacol*)

Melinamide, INN, JAN **M-00080**

N-(*α-Methylbenzyl*)*linoleamide,* 8CI. N-(*1-Phenylethyl*)*-9,12-octadecadienamide,* 9CI. *AC 223. Artes*

$H_3C(CH_2)_4CH{=}CHCH_2$
$CH{=}CH(CH_2)_7CONHCH(CH_3)Ph$

$C_{26}H_{41}NO$ M 383.616

▷OI9410000.

(*Z,Z*)-form [14417-88-0]

Hypocholesteraemic agent. $Bp_{0.05}$ 200-205°.

▷OI9410000.

Fr. Pat., 1 476 596, (*1967*); *CA*, **68**, 87027 (*synth, pharmacol*)
Fukushima, H. *et al*, *J. Atheroscler. Res.*, 1969, **9**, 65; **10**, 403 (*pharmacol*)
Aono, S. *et al*, *Oyo Yakuri*, 1970, **4**, 327, 337 (*pharmacol, tox*)
Hirohashi, A. *et al*, *Xenobiotica*, 1976, **6**, 329 (*metab*)
Nakajima, T. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 4273.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16885.

Melitracen, INN **M-00081**

3-(10,10-Dimethyl-9(10H)-anthracenylidene-N,N-dimethyl-1-propanamine, 9CI. *N,N,10,10-Tetramethyl-Δ$^{9(10H),\gamma}$-anthracenepropylamine,* 8CI

[5118-29-6]



$C_{21}H_{25}N$ M 291.435

Antidepressant.

▷CB0770000.

B,HCl: [10563-70-9]. *Melitracen hydrochloride, USAN, JAN. Adaptol. Adepril. Dixeran. Melixeran. Thymeol. Trausabun. N 7001. U 24973A.* Cryst. (Me_2CO). Mp 245-248°.

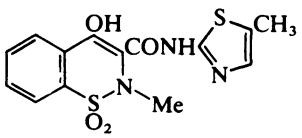
▷CB0875000.

Holm, T., *Acta Chem. Scand.*, 1963, **17**, 2437 (*synth, uv*)
Nielsen, I.M. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 135 (*pharmacol*)
Lopez de Lerma, J. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1739 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2526.

Meloxicam, INN **M-00082**

4-Hydroxy-2-methyl-N-(5-methyl-2-thiazolyl)-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9CI. *UH AC 62*

[71125-38-7]



$C_{14}H_{13}N_3O_4S_2$ M 351.394

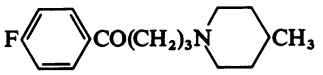
Antiinflammatory agent. Cryst. (CH_2Cl_2). Mp 254° dec.

Ger. Pat., 2 756 113, (*1979*); *CA*, **91**, 91656m (*synth, pharmacol*)

Melperone, BAN, INN **M-00083**

1-(4-Fluorophenyl)-4-(4-methyl-1-piperidinyl)-1-butanone, 9CI. *4'-Fluoro-4-(4-methylpiperidino)-butyrophenone. Methylperone*

[3575-80-2]



$C_{16}H_{22}FNO$ M 263.354

Neuroleptic agent. $Bp_{0.1}$ 120-125°.

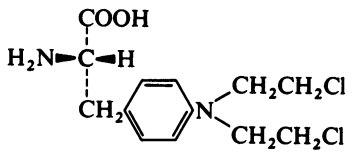
B,HCl: [1622-79-3]. *Buronil. Eunerpan. Aplacal. Boncurex. Flubuperone. Idoburonil. FG 5111.* Mp 209-211°.

▷EU4025000.

B.P., 1 029 220, (*1964*); *CA*, **63**, 13244c (*synth*)
Christensen, J.A. *et al*, *Acta Pharmacol. Toxicol.*, 1965, **23**, 109 (*pharmacol, tox*)
Van den Eeckhout, E. *et al*, *J. Chromatogr.*, 1980, **193**, 255 (*hplc*)
Maurer, H. *et al*, *J. Chromatogr.*, 1983, **272**, 75 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7150.

Melphalan, BAN, USAN **M-00084**

4-[Bis(2-chloroethyl)amino]phenylalanine. Alanine Nitrogen Mustard. Phenylalanine Lost. Phenylalanine-Mustard. Sarcolysin



(*S*)-*form* Absolute configuration

$C_{13}H_{18}Cl_2N_2O_2$ M 305.203

(*R*)-*form* [13045-94-8]

D-form. Medphalan. Medfalan. CB 3026. NSC 35051

Needles + 1MeOH (MeOH). Mp 181.5-182° dec. $[\alpha]_D^{21}$ −7.5° (c, 1.26 in *N* HCl).

▷AY3370000.

(*S*)-*form* [148-82-3]

L-form. Melfalan. Alkeran. CB 3025. NSC 8806. SK 15673

Antitumour agent. Needles + 1MeOH (MeOH). Mp 182-183° dec. $[\alpha]_D^{22}$ +7.5° (c, 1.33 in 1N HCl), $[\alpha]_D$ −31.5° (c, 0.67 in MeOH).

▷AY3675000.

(±)-*form* [531-76-0]

Merphalen. Merfalan. Racemalfalan. Sarcoclorin. CB 3007. NSC 14210

Needles (MeOH). Mp 180-181°.

▷AY3360000.

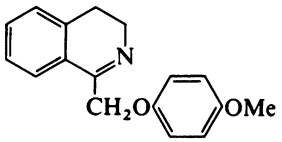
B,HCl: Cryst. (EtOH). Mp 182-185°.

Bergel, F. *et al*, *J. Chem. Soc.*, 1954, 2409 (*synth*)
Wade, R. *et al*, *J. Chem. Soc.* (*C*), 1968, 2564 (*synth*)
Furner, R.L. *et al*, *Cancer Treat. Rep.*, 1980, **64**, 559 (*rev, pharmacol*)
Sen, A.K. *et al*, *Indian J. Chem., Sect. B*, 1983, **22**, 939 (*synth*)
Vistica, D.T., *Pharmacol. Ther.*, 1983, **22**, 379 (*rev*)
Feyns, L.V., *Anal. Profiles Drug Subst.*, 1984, **13**, 265 (*rev*)
Anon., *Dangerous Prop. Ind. Mater. Rep.*, 1986, **6**, 41.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1843.

Memotine, INN **M-00085**

3,4-Dihydro-1-[(4-methoxyphenoxy)methyl]-isoquinoline, 9CI

[18429-69-1]



$C_{17}H_{17}NO_2$ M 267.327

Antiviral agent.

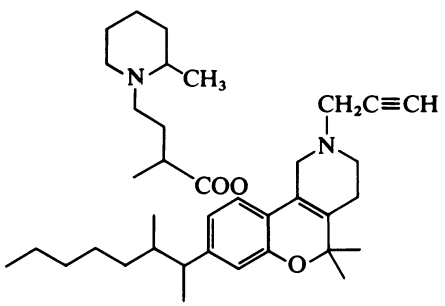
B,HCl: [10540-97-3]. *Memotine hydrochloride,* USAN. *UK 2371.* Mp 187°.

B.P., 1 127 525, (*1968*); *CA*, **70**, 19949 (*synth, pharmacol*)
Reed, S.E. *et al*, *Ann. N.Y. Acad. Sci.*, 1970, **173**, 760 (*pharmacol*)
Reed, S.E. *et al*, *J. Med. Microbiol.*, 1971, **3**, 346 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12926.

Menabitan, INN **M-00086**

8-(1,2-Dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-[1]benzopyrano[4,3-c]-pyridin-10-yl-α,2-dimethyl-1-piperidinebutanoate, 9CI

[83784-21-8]



$C_{37}H_{56}N_2O_3$ M 576.861

Analgesic.

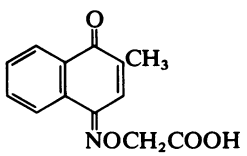
B,2HCl: [58019-50-4]. *Menabitan hydrochloride,* USAN. *SP-204.* Mp 190-194°.

Razdan, R.K. *et al*, *J. Med. Chem.*, 1976, **19**, 454 (*synth, pharmacol*)

Menadoxime, BAN **M-00087**

[[3-Methyl-4-oxo-1(4H)-naphthylidene)amino]oxy]-acetic acid, 9CI. *Menaphthone carboxymethoxime. Carboxymethylmenadione monoxime. 2-Methylnaphthoquinone 4-oxime* O-*carboxymethyl ether*

[6146-99-2]



$C_{13}H_{11}NO_4$ M 245.234

Used in treatment of hypoprothrombinaemia, usually as NH_4 salt. Yellow platelets (EtOH). Mp 162-163° dec.

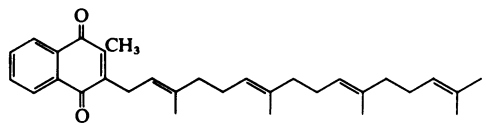
NH_4 salt: [573-01-3]. *Kapilon soluble.* Cryst. (EtOH). Sol. H_2O.

Holland, D.O. *et al*, *J. Chem. Soc.*, 1948, 182 (*synth*)

Menatetrenone, INN M-00088

2-Methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)-1,4-naphthalenedione, 9CI. 2-Methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetraenyl)-1,4-naphthoquinone. Menatetren. Kaytwo

[863-61-6]



$C_{31}H_{40}O_2$ M 444.656

Antihaemorrhagic vitamin. Yellow cryst. or oily liq.

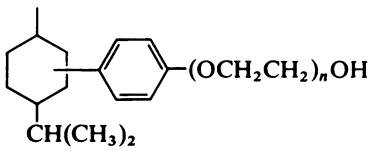
▷QL9279500.

Kozlov, E.I. *et al*, *Zh. Obshch. Khim.*, 1966, **36**, 2120 (*ir, synth, pharmacol*)
Dunphy, P.J. *et al*, *J. Lipid Res.*, 1971, **12**, 442 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7908.

Menfegol, INN M-00089

Menphegol, JAN. *α-[4-[Methyl(1-methylethyl)-cyclohexyl]phenyl]-ω-hydroxypoly(oxy-1,2-ethanediyl), 9CI*

[57821-32-6]



$(C_2H_4O)_nC_{16}H_{24}O$

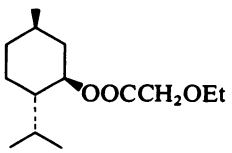
Contraceptive (spermicide).

Fed. Regist., 1980, **45**, 82015.
Furuse, K. *et al*, *J. Pharmacobio.-Dyn.*, 1983, **6**, 359 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 748.

Menglytate, INN M-00090

2-Ethoxyacetic acid 5-methyl-2-(1-methylethyl)-cyclohexyl ester. p-Menth-3-yl ethoxyacetate. Colmenthol. Coryfin. Koryfort

[579-94-2]



$C_{14}H_{26}O_3$ M 242.358

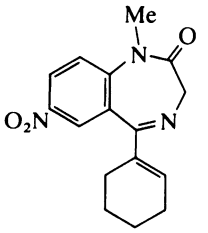
Antitussive, local analgesic. Odourless liq. d_4^{20} 0.9545. Bp_{18} 150°. $[\alpha]_D^{20}$ −160.6° (neat).

U.S.P., 836 914, (*1906*) (*synth*)
Rule, H.G. *et al*, *J. Chem. Soc.*, 1925, **127**, 2188 (*props*)

Menitrazepam, INN M-00091

5-(1-Cyclohexen-1-yl)-1,3-dihydro-1-methyl-7-nitro-2H-1,4-benzodiazepin-2-one, 9CI. CB 4857

[28781-64-8]



$C_{16}H_{17}N_3O_3$ M 299.329

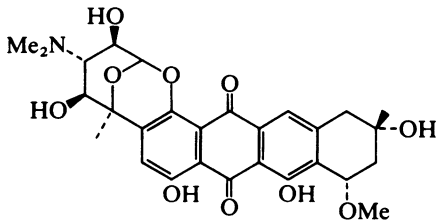
Muscle relaxant. Mp 163°.

Ger. Pat., 2 017 060, (*1970*); *CA*, **74**, 22904c (*synth, pharmacol*)

Menogaril, USAN, INN M-00092

7-O-Methylnogarol. 7-Con-O-methylnogarol. 7-Con-Omen. NSC 269148. U 52047

[71628-96-1]



$C_{28}H_{31}NO_{10}$ M 541.554

Antineoplastic agent. Mp 238-240° dec. $[\alpha]_D$ +895° (c, 0.26 in $CHCl_3$).

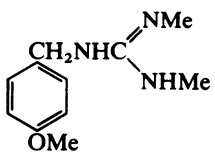
▷KD1146400.

Wiley, P.F. *et al*, *J. Org. Chem.*, 1979, **44**, 4030 (*synth*)
Eckle, E. *et al*, *Tetrahedron Lett.*, 1980, **21**, 507 (*cryst struct*)
McGovren, J.P. *et al*, *Anal. Chem.*, 1984, **56**, 1587 (*hplc*)
McGovren, J.P. *et al*, *Invest. New Drugs*, 1984, **2**, 359 (*pharmacol*)
Dodion, P. *et al*, *Cancer Res.*, 1985, **45**, 5352 (*metab*)
Eckle, E. *et al*, *Drugs Exp. Clin. Res.*, 1985, **11**, 207 (*uv, cd, struct*)

Meobentine, INN M-00093

N-[(4-Methoxyphenyl)methyl]-N′,N″-dimethylguanidine

[46464-11-3]



$C_{11}H_{17}N_3O$ M 207.275

Cardiac depressant (antiarrhythmic).

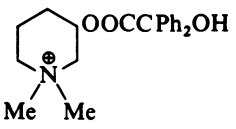
2B,H_2SO_4: [58503-79-0]. *Meobentine sulfate, USAN. Rythmatine.* Cryst. Mp 273-274°.

Ger. Pat., 2 030 693, (*1971*); *CA*, **74**, 87660 (*synth*)
Wastila, W.B. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 594 (*pharmacol*)
Zimmerman, J.M. *et al*, *Am. Heart J.*, 1984, **107**, 1117 (*pharmacol*)

Mepenzolate(1+) M-00094

3-[(Hydroxydiphenylacetyl)oxy]-1,1-dimethylpiperidinium, 9CI. 3-Hydroxy-1,1-dimethylpiperidinium benzilate, 8CI

[25990-43-6]



$C_{21}H_{26}NO_3^{\oplus}$ M 340.441 (ion)

(±)-form

Anticholinergic, parasympatholytic agent.

Bromide: [76-90-4]. *Mepenzolate bromide, BAN, INN, JAN. Numerous proprietary names.*
$C_{21}H_{26}BrNO_3$ M 420.345
Mp 228-229° dec.

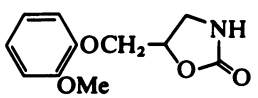
▷TN5950000.

Biel, J.H. *et al, J. Am. Chem. Soc.*, 1955, **77**, 2250 (*synth*)
Chen, J.Y.P. *et al, Arch. Int. Pharmacodyn. Ther.*, 1959, **121**, 78 (*pharmacol*)
Klosa, J. *et al, J. Prakt. Chem.*, 1962, **16**, 71 (*synth*)
White, R.P. *et al, Progr. Brain Res.*, 1968, **28**, 14 (*pharmacol*)
Friedman, H. *et al, J. Pharm. Sci.*, 1972, **61**, 1663 (*metab*)
Leger, J.M. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 886 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6253 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 390.

Mephenoxalone, INN M-00095

5-[(2-Methoxyphenoxy)methyl]-2-oxazolidinone, 9CI. Control-Om. Dorsiflex. Dorsilon. Ekilan. Lenetran. Methoxydone. Metoxadone. Placidex. Riself. Tranpoise. Trepidone. Xerene. AHR 233. OM 518

[70-07-5]



$C_{11}H_{13}NO_4$ M 223.228
Tranquilliser, muscle relaxant. Cryst. (EtOH). Mp 143-145°.

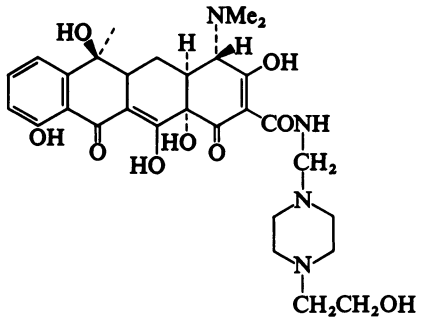
▷RQ3500000.

Lunsford, C.D. *et al, J. Am. Chem. Soc.*, 1960, **82**, 1166 (*synth*)
Benitz, K.F. *et al, Toxikol. Appl. Pharmacol.*, 1962, **4**, 220 (*tox*)
Milies, E. *et al, Acta Neurol. Latinoam.*, 1962, **8**, 58 (*pharmacol*)
Sammul, O.R. *et al, J. Off. Agr. Chem.*, 1964, **47**, 918 (*ir*)
Morrison, J.A., *Arch. Int. Pharmacodyn.*, 1965, **157**, 385 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7065.

Mepicycline M-00096

***Pipacycline, INN.** Ambravein. Bio-Galup. Meplion. Ofamicin. Sieromicin. Tetrasolivina. Valtomycin*

[1110-80-1]



$C_{29}H_{38}N_4O_9$ M 586.641
Semisynthetic tetracycline. Broad spectrum antibiotic. Yellow cryst. powder. Sol. H_2O. Mp 162-163° dec. $[\alpha]_D^{20}$ −195° (c, 0.5 in H_2O).

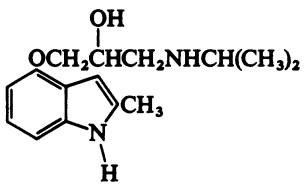
▷QI8575000.

Pedrazzoli, A. *et al, Boll. Chim. Farm.*, 1959, **98**, 516; *CA*, **54**, 3856 (*synth, uv*)
Japan. Pat., 73 07 632, (*1973*); *CA*, **79**, 42252 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13120.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7789.

Mepindolol, BAN, INN M-00097

1-[(1-Methylethyl)amino]-3-[(2-methyl-1H-indol-4-yl)oxy]-2-propanol, 9CI. 1-(Isopropylamino)-3-(2-methyl-4-indolyloxy)-2-propanol

[23694-81-7]



$C_{15}H_{22}N_2O_2$ M 262.351

(±)-form

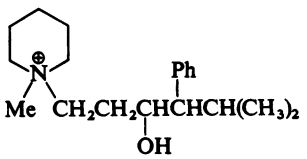
β-Adrenergic blocking agent. 2-Methyl analogue of Pindolol, P-00270 . Mp 100-102°.

2B,H2SO4: [56396-94-2]. *Corindolan. Betagon. Mepicor. Caridian.*

Seeman, F. *et al, Helv. Chim. Acta*, 1971, **54**, 2411 (*synth*)
Gugler, R. *et al, Arzneim.-Forsch.*, 1975, **25**, 1067 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12928.

Mepiperphenidol(1+) M-00098

1-(3-Hydroxy-5-methyl-4-phenylhexyl)-1-methylpiperidinium, 9CI, 8CI



$C_{19}H_{32}NO^{\oplus}$ M 290.468 (ion)
Anticholinergic agent.

Bromide: [520-20-7]. *Darstine. Piperphenidol methyl bromide. Piperphenamine.*
$C_{19}H_{32}BrNO$ M 370.372

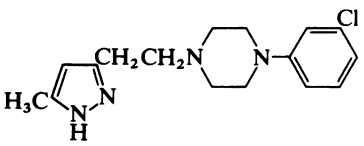
Mp 152-155°.

Ruddy, A.W. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 718 (*synth, iodide*)
McManus, E.C. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **108**, 364 (*pharmacol*)
U.S.P., 2 665 278, (*1954*); *CA*, **49**, 5525h (*synth, pharmacol*)

Mepiprazole, BAN, INN M-00099

1-(3-Chlorophenyl)-4-[2-(5-methyl-1H-pyrazol-3-yl)-ethyl]piperazine, 9CI, 8CI. PAP. EMD 16923

[20326-12-9]



$C_{16}H_{21}ClN_4$ M 304.822

Tranquilliser, analgesic, antiinflammatory agent. Mp 106°.

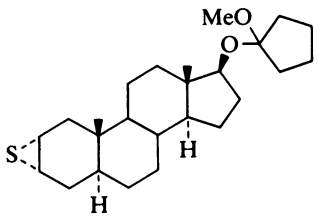
B,2HCl: [20344-15-4]. *Psigodal. H 4007.* Cryst. (EtOH). Mp 234°.

Poetsch, E. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 154, 162 (*synth*)
Fuxe, K. *et al*, *Eur. J. Pharmacol.*, 1976, **35**, 93 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12929.

Mepitiostane, INN, JAN M-00100

2α,3α-Epithio-17-[(1-methoxycyclopentyl)oxy]-androstane, 9CI. Cyclopentanone 2α,3α-epithio-5α-androstan-17β-ylmethyl acetal, 8CI. Thioderon. 10364-S

[21362-69-6]



$C_{25}H_{40}O_2S$ M 404.650

Anabolic steroid, antioestrogen, antineoplastic agent. Mp 98-101°. $[\alpha]_D^{20}$ +22.5° (c, 1 in $CHCl_3$).

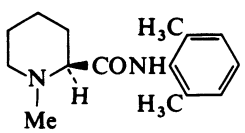
▷BV8044500.

South African Pat., 68 00 565, (*1968*); *CA*, **70**, 58131e (*synth, ir*)
Miyake, T. *et al*, *Jpn. J. Pharmacol.*, 1974, **24**, 551 (*pharmacol*)
Inoue, K. *et al*, *Cancer Treat. Rep.*, 1978, **62**, 743 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12930.

Mepivacaine, BAN, INN M-00101

N-(2,6-Dimethylphenyl)-1-methyl-2-piperidinecarboxamide, 9CI. 1-Methyl-2',6'-pipecoloxylidide, 8CI. 1-Methyl-2-(2,6-xylylcarbamoyl)piperidine. Carbocaine

[96-88-8]



(*S*)-*form*
Absolute configuration

$C_{15}H_{22}N_2O$ M 246.352

▷TK6300000.

(S)-form [24358-84-7]

Dexivacaine, USAN, INN. *Dexacaine*

Pharmacol active isomer. Mp 192-195°. $[\alpha]_D^{25}$ +63° (c, 5 in MeOH).

▷TK6400000.

B,HCl: [34333-71-6]. Mp 293-295°. $[\alpha]_D^{25}$ −18.6° (c, 5 in H_2O).

(±)-form [22801-44-1]

Local anaesthetic. Mp 150-151°.

B,HCl: [1722-62-9]. *Mepivacaine hydrochloride, USAN. Carbocaine hydrochloride.* Sol. H_2O. Mp 262-264°.

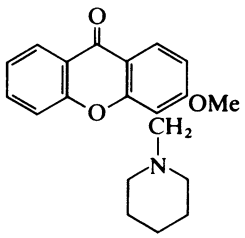
▷TK6475000.

Ekenstam, B. *et al*, *Acta Chem. Scand.*, 1957, **11**, 1183 (*synth*)
Rinderknecht, H., *Helv. Chim. Acta*, 1959, **42**, 1324 (*synth*)
Klosa, J., *J. Prakt. Chem.*, 1962, **19**, 45 (*synth*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Reynolds, F., *Br. J. Anaesth.*, 1971, **43**, 33 (*metab*)
Tullar, B.F., *J. Med. Chem.*, 1971, **14**, 891 (*resoln*)
Akerman, S.B.A. *et al*, *Acta Pharmacol. Toxicol.*, 1973, **32**, 88 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7633.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 638.

Mepixanox, INN M-00102

3-Methoxy-4-(piperidinomethyl)xanthen-9-one, 8CI. Pimexone

[17854-59-0]



$C_{20}H_{21}NO_3$ M 323.391

Central stimulant. Mp 150-152°.

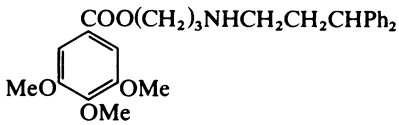
▷ZD6109000.

Da Re, P. *et al*, *J. Med. Chem.*, 1970, **13**, 527 (*synth, pharmacol*)

Mepramidil, INN M-00103

3-[(3,3-Diphenylpropyl)amino]propyl 3,4,5-trimethoxybenzoate, 8CI. Diphenamilate. PF-26

[23891-60-3]



$C_{28}H_{33}NO_5$ M 463.572

Coronary vasodilator. Mp 145-147°.

Ger. Pat., 1 802 656, (*1969*); *CA*, **71**, 112647p (*synth, pharmacol*)
Aritomi, J. *et al*, *Yakugaku Zasshi*, 1971, **91**, 972 (*synth, pharmacol*)

Meprobamate, BAN, INN M-00104

2-Methyl-2-propyl-1,3-propanediol dicarbamate, 9CI, 8CI. 2,2-Bis(carbamoyloxymethyl)pentane. Equanil. Mepavlon. Miltown. Numerous proprietary names

[57-53-4]

$(H_2NCOOCH_2)_2C(CH_3)CH_2CH_2CH_3$

$C_9H_{18}N_2O_4$ M 218.252

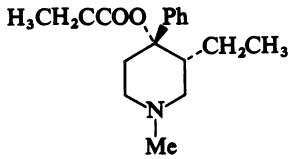
Tranquilliser. Cryst. with bitter taste. Mp 104-106°. May be addictive.

▷TZ0175000.

Delatour, P. *et al*, *J. Eur. Toxicol.*, 1970, **3**, 402 (*nmr*)
Ludwig, B.J. *et al*, *Adv. Pharmacol. Chemother.*, 1971, **9**, 173 (*rev, pharmacol*)
Goenechea, S., *Mikrochim. Acta*, 1972, 266 (*ir*)
Shearer, C.M. *et al*, *Anal. Profiles Drug Subst.*, 1972, **1**, 207; 1982, **11**, 587 (*rev, synth*)
Saferstein, R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Berger, F.M., *Psychopharmacology (N.Y.)*, 1977, **2**, 1101 (*rev, pharmacol*)
Meyer, M.C. *et al*, *J. Am. Pharm. Assoc.*, 1977, **NS17**, 173 (*rev*)
Lycka, A. *et al*, *Pharmazie*, 1987, **42**, 271 (*N-15 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1360 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7066.

Meprodine M-00105

3-Ethyl-1-methyl-4-phenyl-4-piperidinol propanoate, 9CI. α-3-Ethyl-1-methyl-4-phenyl-4-propionyloxypiperidine



(3*R*,4*S*)-*form*

$C_{17}H_{25}NO_2$ M 275.390

(3*R*,4*S*)-form

(+)-α-*form*

B,HCl: [51704-10-0]. Analgesic. $[\alpha]_D^{20}$ +13.8° (c, 1 in MeOH). Sublimes *in vacuo*. No sharp Mp.

(3*S*,4*R*)-form [468-51-9]

(−)-α-*form*. **Alphameprodine, BAN, INN**

B,HCl: [51704-09-7]. Analgesic. $[\alpha]_D^{20}$ −14° (c, 1 in MeOH). Subl. *in vacuo*. No sharp Mp.

(3*RS*,4*SR*)-form

(±)-α-*form*

B,HCl: [51743-60-3]. Cryst. (Me_2CO). Mp 226-227°.

(3*RS*,4*RS*)-form [468-50-8]

(±)-β-*form*. **Betameprodine, BAN, INN**. *Nu 1932*

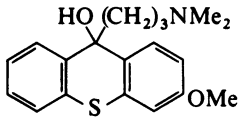
B,HCl: [57401-82-8]. Analgesic. Cryst. Mp 201-203°.

Gruber, C.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 312 (*pharmacol*)
Ziering, A. *et al*, *J. Org. Chem.*, 1957, **22**, 1521 (*synth*)
Ahmed, F.R. *et al*, *Chem. Ind. (London)*, 1959, 485; 1962, 97 (*abs config*)
Abdel-Monem, M.M. *et al*, *J. Med. Chem.*, 1972, **15**, 494 (*metab*)
Bell, K.H. *et al*, *J. Med. Chem.*, 1974, **17**, 129 (*synth, abs config*)
Casy, A.F. *et al*, *Org. Magn. Reson.*, 1981, **15**, 275 (*cmr*)

Meprothixol, BAN M-00106

9-[3-(Dimethylamino)propyl]-2-methoxy-9H-thioxanthen-9-ol, 9CI, 8CI. **Meprotixol, INN**. *N 7020*

[4295-63-0]



$C_{19}H_{23}NO_2S$ M 329.456

Antitussive, antiinflammatory, analgesic and neuroleptic agent. Mp 123-124°.

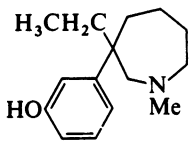
▷XO0750000.

U.S.P., 3 046 283, (*1962*); *CA*, **57**, 16569i (*synth*)
Hougs, W. *et al*, *Acta Pharmacol. Toxicol.*, 1966, **24**, 3 (*pharmacol*)
Winther, F.O., *Acta Pharmacol. Toxicol.*, 1966, **24**, 134 (*pharmacol*)

Meptazinol, BAN, INN M-00107

3-(3-Ethylhexahydro-1-methyl-1H-azepin-3-yl)phenol, 9CI

[54340-58-8]



$C_{15}H_{23}NO$ M 233.353

Analgesic. Cryst. (MeCN). Mp 127.5-133°.

B,HCl: [59263-76-2]. *Meptazinol hydrochloride, USAN. Meptid. Meptidol. Meptadol. Wy 22811.*

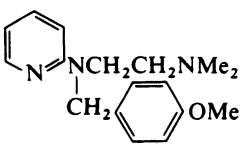
▷SL4250000.

Goode, P.G. *et al*, *Br. J. Pharmacol.*, 1971, **43**, 462 (*pharmacol, rev*)
Japan. Pat., 79 88 286, (*1979*); *CA*, **91**, 157621e (*synth*)
Bradley, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1980, **15**, 375 (*synth*)
Holmes, B. *et al*, *Drugs*, 1985, **30**, 285 (*rev, pharmacol*)
Franklin, R.A., *Xenobiotica*, 1988, **18**, 105 (*metab, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12932.

Mepyramine, BAN, INN M-00108

N-[(*4-Methoxyphenyl*)*methyl*]-N′,N′-*dimethyl*-N-*2-pyridinyl-1,2-ethanediamine, 9CI.* **Pyrilamine, USAN**. *Pyranisamine*

[91-84-9]



$C_{17}H_{23}N_3O$ M 285.388

Antihistamine, esp. for vet. use. Oily liq. V. sol. H_2O. d^{25} 1.5750. Bp_5 201°, $Bp_{0.06}$ 168-172°.

▷UT0875000.

B,HCl: [6036-95-9]. Mp 143-143.5°.

▷UT1050000.

Maleate (1:1): [59-33-6]. *Pyrilamine maleate, USAN. Anthisan. Numerous proprietary names.* V. sol. H_2O. Mp 100-101°. Component of Larylgan.

▷UT1225000.

Compd. with 8-Bromotheophylline: [606-05-3]. *Bromth. Pyrabrom, USAN. NSC 14279. Numerous proprietary names.*

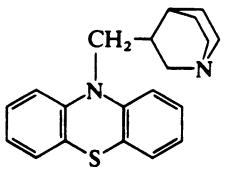
Compd. with 7-Theophyllineacetic acid (1:1): [57383-74-1]. *Mepifylline. Fluidasa.*

Huttrer, C.P. *et al, J. Am. Chem. Soc.*, 1946, **68**, 1999 (*synth*)
Lecomte, J., *C. R. Soc. Biol.*, 1966, **160**, 1972 (*pharmacol*)
Kracmar, J. *et al, Pharmazie*, 1968, **23**, 567 (*uv*)
Ham, N.S., *J. Pharm. Sci.*, 1976, **65**, 612 (*conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4513 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6144.

Mequitazine, BAN, INN **M-00109**

10-(1-Azabicyclo[2.2.2]oct-3-ylmethyl)-10H-phenothiazine, 9CI. 10-(3-Quinuclidinylmethyl)phenothiazine, 8CI. Primalen. Other proprietary names

[29216-28-2]



$C_{20}H_{22}N_2S$ M 322.467

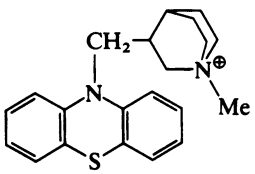
Antiallergic agent, antihistamine. Cryst. (MeCN). Mp 130-131°.

▷SP5080000.

Ger. Pat., 2 009 555, (*1970*); *CA*, **73**, 131017r (*synth*)
Uzan, A. *et al, Xenobiotica*, 1976, **6**, 633 (*metab*)
Uzan, A. *et al, J. Pharm. Pharmacol.*, 1979, **31**, 701 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5665 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6145.

Mequitazium(1+) **M-00110**

1-Methyl-3-(10H-phenothiazin-10-ylmethyl)-1-azoniabicyclo[2.2.2]octane, 9CI



$C_{21}H_{25}N_2S^{\oplus}$ M 337.502 (ion)

Bronchodilator, antiallergic agent.

Iodide: [101396-42-3]. *Mequitazium iodide, INN. LG 30435.*

$C_{21}H_{25}IN_2S$ M 464.406

Cryst. (MeOH). Mp 224-226°.

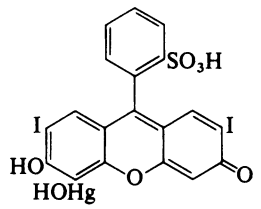
Methanesulfonate: [101396-47-8]. Cryst. (MeOH). Mp 211-215°.

Ger. Pat., 3 509 460, (*1985*); *CA*, **104**, 148890 (*synth*)
Criscuolo, M. *et al, Agents Actions*, 1986, **19**, 246; *Eur. J. Pharmacol.*, 1986, **126**, 81 (*pharmacol*)

Meralein, INN **M-00111**

[3',6'-Dihydroxy-2',7'-diiodospiro[3H-2,1-benzoxathiole-3,9'-[9H]xanthen]-4'-yl]hydroxymercury S,S-dioxide, 10CI. Hydroxy[6-hydroxy-2,7-diiodo-3-oxo-9-(o-sulfophenyl)-3H-xanthen-5-yl]mercury. Monohydroxymercuridiiodoresorcinsulfonephthalein

[71872-91-8]



$C_{19}H_{10}HgI_2O_7S$ M 836.743

Antiinfective (topical). Used as sodium salt.

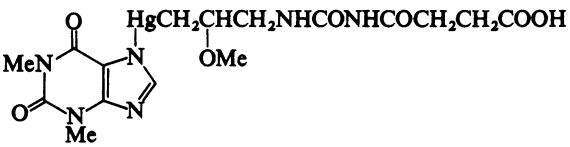
Na salt: [4386-35-0]. *Meralein sodium, USAN. Mercurex. Merodicein.* Green scales, red when pulverized.

Dunning, F. *et al, J. Am. Chem. Soc.*, 1929, **51**, 804 (*synth*)
Macht, D.I. *et al, J. Pharmacol. Exp. Ther.*, 1931, **43**, 571 (*pharmacol, tox*)

Meralluride, BAN, INN **M-00112**

[3-[[[(3-Carboxy-1-oxopropyl)amino]carbonyl]amino]-2-methoxypropyl](1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-yl)mercury, 9CI. Dilurgen. Mercardac. Mercardan. Mercuhydrin. Mercuretin

[113-50-8]



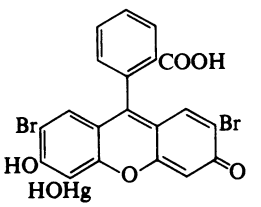
$C_{16}H_{22}HgN_6O_7$ M 610.976

Diuretic. White or pale yellow powder. Sol. hot H_2O, AcOH, spar. sol. cold H_2O, prac. insol. EtOH, $CHCl_3$, EtOH. Dec. slowly in light.

Ray, C.T. *et al, Am. J. Med. Sci.*, 1949, **217**, 96; *CA*, **44**, 3615 (*rev*)
Pearson, D.E. *et al, J. Org. Chem.*, 1950, **15**, 1055 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2341.

Merbromin, INN **M-00113**

(2',7'-Dibromo-3',6'-dihydroxy-3-oxospiro[isobenzofuran-1(3H)-9'[9H]xanthen]-4'-yl)hydroxymercury, 9CI. 2,7-Dibromo-4-hydroxymercurifluorescein. Numerous proprietary names



$C_{20}H_{10}Br_2HgO_6$ M 706.693

Antibacterial agent. Red powder.

Di-Na salt: [129-16-8]. *Mercurochrome.* Iridescent green scales + $3H_2O$. Sol. H_2O (soln. carmine-red), insol. EtOH, Me_2CO, $CHCl_3$, Et_2O.

▷LM5250000.

White, E.C., *J. Am. Chem. Soc.*, 1920, **42**, 2355 (*synth*)

Rymill, F.E. *et al*, *Quart. J. Pharm. Pharmacol.*, 1934, **7**, 543 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5539.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2256.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1748.

2-Mercaptobenzoic acid M-00114

Thiosalicylic acid

[147-93-3]



$C_7H_6O_2S$ M 154.183

Used in manuf. of thioindigo dyes. Analgesic. Yellow leaflets or needles (EtOH aq.). Mp 165.5°. pK_a 5.02 (48.9% EtOH). Used as Na salt (Reocyl).

▷DH3325000.

Ac: [55819-78-8]. *Thioaspirin.*
$C_9H_8O_3S$ M 196.220
Needles (C_6H_6). Mp 125°.

▷DH3350000.

Me ester: [4892-02-8].
$C_8H_8O_2S$ M 168.210
Oil. Bp_{728} 262-263°, Bp_{11} 123°. Steam-volatile.

▷DH3500000.

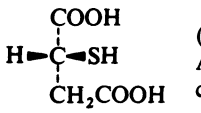
Ph ester: [15570-18-0]. *2-(Phenylthio)benzoic acid. Thiosalol.*
$C_{13}H_{10}O_2S$ M 230.281
Cryst. (MeOH). Mp 91°.

Schwarzenbach, G. *et al*, *Helv. Chim. Acta*, 1939, **22**, 360.
Org. Synth., Coll. Vol., **2**, 580.
Atlas of Physical Constants and Spectral Data of Organic Compounds, 1973, CRC Press, b1053 (*ir, uv, ms, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16988.

Mercaptobutanedioic acid, 9CI M-00115

Mercaptosuccinic acid, 8CI. Thiomalic acid

[70-49-5]



(*R*)-*form* Absolute configuration

$C_4H_6O_4S$ M 150.149

▷WM8225000.

(*R*)-*form* [20182-99-4]
Mp 152-153°. $[\alpha]_D^{17}$ +64.4° (EtOH).

4-Monoamide:
$C_4H_7NO_3S$ M 149.164
Mp 125°. $[\alpha]_D^{18}$ +82.5° (Me_2CO).

S-*Benzyl:*
$C_{11}H_{12}O_4S$ M 240.273
Mp 182-183°. $[\alpha]_D^{20}$ +124°. Sinters at 175°.

(*S*)-*form*
Mp 152-153°. $[\alpha]_D^{17}$ −64.8° (EtOH).

S-*Benzyl:* Mp 182-183°. $[\alpha]_D^{20}$ −123° (c, 0.5028 in Me_2CO). Sinters at 175°.

4-Monoamide: Mp 125°. $[\alpha]_D^{18}$ −82.9° (Me_2CO).

(±)-*form* [644-87-1]
Cryst. Sol. H_2O, EtOH, Me_2CO. Mp 151°. pK_a 3.28 (25°, H_2O).

Di-Et ester: [23060-11-9].
$C_8H_{14}O_4S$ M 206.256
Oil. Bp ca. 246° part. dec.

4-Monoamide: Cryst. (EtOH). Mp 103°.

S-*Benzyl:* [22119-10-4]. Needles (EtOH aq.). Mp 181°.

Anhydride, S-*Ac:* [6953-60-2]. S-*Acetylmercaptosuccinic anhydride.*
$C_6H_6O_4S$ M 174.171
Reagent for introduction of SH groups into proteins and polymers. Mp 77°.

Au compd., Na salt: [39377-38-3]. ***Gold sodium thiomalate, USAN, JAN.*** *Sodium aurothiomalate, INN. Chrysothios. Kidon. Miocrin. Myochrysin. Myocrisin. Shiosol. Tauredon.* Antirheumatic. Hygroscopic yellowish-white powder. Mixt. of mono- and di-sodium salts of gold thiomalic acid.

Billmann, E., *Justus Liebigs Ann. Chem.*, 1905, **339**, 371 (*synth*)
Levene, P.A. *et al*, *J. Biol. Chem.*, 1924, **60**, 685 (*synth*)
U.S.P., 1 994 213, (*1935*); (*synth, Au compd*)
Holmberg, B. *et al*, *CA*, 1941, **35**, 2113 (*synth*)
Yamada, S. *et al*, *Tetrahedron Lett.*, 1968, 1501 (*abs config*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 13 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5296.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1028.

2-Mercaptoethanesulfonic acid, 9CI, 8CI M-00116

Coenzyme M

$HSCH_2CH_2SO_3H$

$C_2H_6O_3S_2$ M 142.188

Coenzyme factor unique to methanogenic bacteria. Highly viscous liq. Unstable, evolves H_2S on standing.

Na salt: [19767-45-4]. ***Mesna, BAN, INN.*** *NSC 113891. UCB 3983. Other proprietary names.* Mucolytic agent, antidote to arsenic poisoning. Used to alleviate urotoxic side effects of antitumour drugs, e.g. cyclophosphamide.

▷KI7968000.

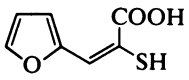
Amide:
$C_2H_7NO_2S_2$ M 141.203
Cryst. Unsharp Mp.

Schramm, C.H. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 6231 (*synth*)
Reppe, W. *et al*, *Justus Liebigs Ann. Chem.*, 1956, **601**, 111 (*synth*)
Lemaire, H. *et al*, *J. Org. Chem.*, 1961, **26**, 1330 (*amide*)
Mizyukova, I.G. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 70 (*pharmacol*)
Ikeuchi, I. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3016 (*anal*)
Shaw, I.C. *et al*, *Cancer Treat. Rev.*, 1987, **14**, 67 (*rev, pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 65 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3726.

α-Mercapto-β-(2-furyl)acrylic acid M-00117

3-(2-Furanyl)-2-mercapto-2-propenoic acid, 9CI. MDL 71626

[55927-33-8]



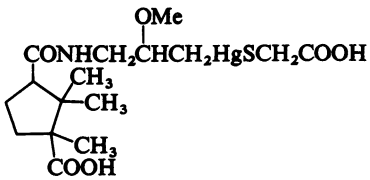
$C_7H_6O_3S$ M 170.183

Chelating agent protecting against toxicity and teratogenicity of cadmium *in vivo*. Mp 115-117°.

Campaigne, E. *et al*, *J. Org. Chem.*, 1956, **21**, 32.
Giroux, E. *et al*, *J. Biol. Chem*, 1984, **259**, 3658.
Ferm, V.H. *et al*, *Experientia*, 1987, **43**, 208.

Mercaptomerin, INN M-00118

[3-(3-Carboxy-2,3,3-trimethylcyclopentanecarboxamido)-2-methoxypropyl](hydrogen mercaptoacetato)-mercury, 8CI



$C_{16}H_{27}HgNO_6S$ M 562.042

Diuretic.

Di-Na salt: [21259-76-7]. *Mercaptomerin sodium, BAN. Thiomerin sodium. Diucardyn sodium. Letorin. Thio-Novurit. MT 6.* Powder. Freely sol. H_2O, pract. insol. Et_2O, C_6H_6, $CHCl_3$. Mp 150-155° dec. Hygroscopic.

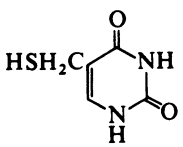
▷OV8700000.

Lehman, R.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 149 (*pharmacol*)
Gold, H. *et al*, *Am. J. Med. Sci.*, 1952, **223**, 618 (*pharmacol*)
Wendt, G. *et al*, *J. Org. Chem.*, 1958, **23**, 1448 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2342.

5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione, 9CI M-00119

5-Mercaptomethyluracil, 8CI

[4874-36-6]



$C_5H_6N_2O_2S$ M 158.175

Possesses tumour-inhibitory props. Needles (MeOH). Mp 272-274°. Dec. at 315°.

S-*Me:* [4874-40-2].
$C_6H_8N_2O_2S$ M 172.201
Needles or prisms (MeOH). Mp 258-260°.

S-*Et:* [4874-41-3].
$C_7H_{10}N_2O_2S$ M 186.228
Needles (MeOH). Mp 244-246°.

Giner-Sorolla, A. *et al*, *J. Med. Chem.*, 1966, **9**, 97 (*synth*)

N-(2-Mercapto-1-oxopropyl)glycine, 9CI M-00120

N-(*2-Mercaptopropionyl*)*glycine, 8CI. Tiopronin, INN. Mercamidum. SF 572*

[1953-02-2]

$H_3CCH(SH)CONHCH_2COOH$

$C_5H_9NO_3S$ M 163.191

▷MC0596500.

(±)-*form*

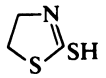
Used in treatment of skin and liver disorders. Radioprotective agent and an antidote for heavy metal poisoning. Cryst. (EtOAc). Mp 95-97°.

U.S.P., 3 246 025, (*1966*); *CA*, **65**, 800g (*synth, pharmacol*)
De Angelis, L., *Drugs of Today*, 1978, **14**, 37 (*rev*)
Mani, A. *et al*, *Curr. Sci.*, 1982, **51**, 192 (*cryst struct*)
Devi, P. *et al*, *J. Nucl. Med. Allied Sci.*, 1983, **27**, 327 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 317 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13349.

2-Mercaptothiazoline M-00121

Dihydro-2-thiazolethiol, 9CI. Thiazoline-2-thiol

[25377-76-8]



$C_3H_5NS_2$ M 119.199

Thyroid inhibitor. Mp 105.5-107°.

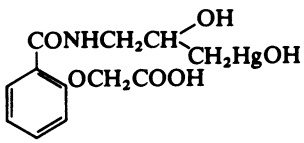
▷XJ6650000.

Gabriel, S., *Ber.*, 1889, **22**, 1139 (*synth*)
Stanley, M.M. *et al*, *Endocrinology*, 1947, **41**, 66; 1949, **44**, 546 (*props*)
Brintzinger, H. *et al*, *Chem. Ber.*, 1949, **82**, 389 (*synth*)
Guinet, P., *J. Med. Lyon*, 1951, **32**, 617 (*pharmacol*)
Rosen, A.A., *J. Am. Chem. Soc.*, 1952, **74**, 2994 (*synth*)
Caldwell, J.B. *et al*, *J. Chem. Soc.*, 1963, 2097 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 834.

Mercuderamide, INN M-00122

[2-[[(2-Carboxymethoxy)benzoyl]amino]-1-hydroxyethyl]hydroxymercury, 9CI. [3-(α-Carboxy-o-anisamido)-2-hydroxypropyl]hydroxymercury, 8CI. [[(2-Hydroxy-3-hydroxymercuri)propyl]carbamoyl]-phenoxyacetic acid

[525-30-4]



$C_{12}H_{15}HgNO_6$ M 469.844

Diuretic. Bitter-tasting solid. Insol. H_2O, EtOH, Et_2O. Mp 200-205° dec.

Me ether: [486-67-9].
$C_{13}H_{17}HgNO_6$ M 483.870
Diuretic, used as Na salt.

Me ether, Na salt: [492-18-2]. ***Mersalyl, INN.*** *Salyrgan. Mercusal. Salurin.* Bitter-tasting deliquescent solid. Decl. on exp. to light. Component of Neptal and Diursal.

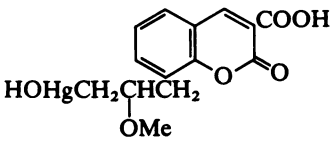
▷Poisonous, induces liver and kidney damage. OV7875000.

Haas, H.T.A., *Pharmazie*, 1947, **2**, 1 (*tox, pharmacol*)
Lehman, R.A., *Proc. Soc. Exp. Biol. Med.*, 1947, **64**, 428 (*tox*)
Foye, W.O. *et al*, *J. Am. Pharm. Assoc., Sci. Ed.*, 1952, **41**, 273 (*synth, pharmacol, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 23456.

Mercumallylic acid M-00123

8-[(3-Hydroxymercuri)-2-methoxypropyl]-2-oxo-2H-1-benzopyran-3-carboxylic acid. 8-[2-Methoxy-3-(hydroxymercuri)propylcoumarin-3-carboxylic acid

[86-36-2]



$C_{14}H_{14}HgO_6$ M 478.851

Mp 155-160° (197°).

Monosodium salt: [64059-24-1]. *Sodium mercumallylate.* Mercurial diuretic. Mp 69°.

Na salt, cpd. with theophylline [60135-06-0]. ***Mercumatilin sodium, INN.*** *Cumertilin. EN 564. Mercumallyltheophylline.* Mercurial diuretic.

Blumberg, H. *et al, J. Pharmacol. Exp. Ther.*, 1952, **105**, 336 (*tox*)
U.S.P., 2 667 442, (*1954*); *CA*, **49**, 1818h (*deriv, synth*)
Werner, L.H. *et al, J. Am. Chem. Soc.*, 1954, **76**, 2453 (*synth*)
Campbell, D., *Experientia*, 1957, **13**, 327 (*pharmacol*)
Farah, A. *et al, J. Pharmacol. Exp. Ther.*, 1960, **130**, 13 (*pharmacol*)

Mercury amide chloride M-00124

Ammoniated mercury, USAN. Mercury aminochloride

[10124-48-8]

$Hg(NH_2)Cl$

ClH_2HgN M 252.066

Topical antiinfective agent.

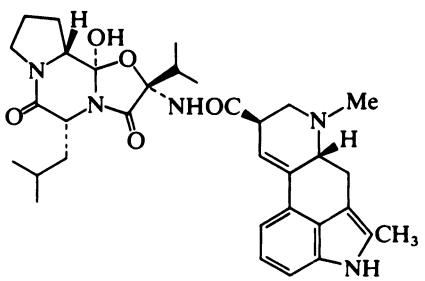
▷OV7020000.

Lipscomb, W.N., *Acta Cryst.*, 1951, **4**, 266 (*cryst struct*)
Nesmeyanov, A.N. *et al, CA*, 1958, **52**, 11735i (*synth*)
Brodersen, K. *et al, Chem. Ber.*, 1959, **92**, 1152.
Barr, R.D. *et al, Amer. J. Clin. Pathol.*, 1972, **58**, 723 (*toxicol*)
Binder, H., *Z. Naturforsch., B*, 1977, **32**, 249.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1620.

Mergocriptine, INN M-00125

12'-Hydroxy-2-methyl-2'-(1-methylethyl)-5'-(2'-methylpropyl)ergotaman-3',6',18-trione, 9CI. 2-Methyl-α-ergocryptine. CBM 36-733

[81968-16-3]



$C_{33}H_{43}N_5O_5$ M 589.733

Prolactin secretion inhibitor.

Belg. Pat., 890 369, (*1982*); *CA*, **96**, 223313 (*synth, pharmacol*)

Merisoprol, USAN M-00126

Hydroxy(2-hydroxypropyl)mercury

$H_3CCH(OH)CH_2HgOH$

$C_3H_8HgO_2$ M 276.685

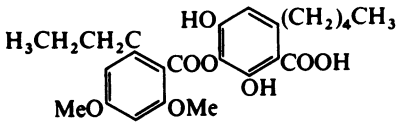
^{197}Hg labelled cpd. is used as a radioactive agent, Merprane.

Urakubo, G. *et al, Radioisotopes*, 1971, **20**, 180.

Merochlorophaeic acid M-00127

3-[(2,4-Dimethoxy-6-propylbenzoyl)oxy]-2,4-dihydroxy-6-pentylbenzoic acid, 9CI

[2879-80-3]



$C_{24}H_{30}O_8$ M 446.496

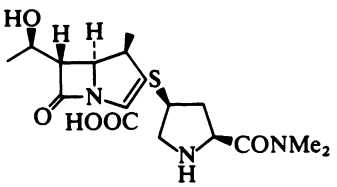
Constit. of *Cladonia merochlorophaea.* Strong inhibitor of prostaglandin biosynth. Plates (MeOH aq.), needles (C_6H_6/cyclohexane). Mp 164-166°.

Shibata, S. *et al, Phytochemistry*, 1965, **4**, 133 (*isol, ir, uv, pmr*)
Elix, J.A. *et al, Aust. J. Chem.*, 1975, **28**, 399 (*synth, pmr, ms*)
Shibuya, M. *et al, Chem. Pharm. Bull.*, 1983, **31**, 407 (*pharmacol*)

Meropenem, BAN, INN M-00128

3-[[5-[(Dimethylamino)carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, 9CI. ICI 194660

[96036-03-2]



$C_{17}H_{25}N_3O_5S$ M 383.462

Antibacterial agent.

Eur. Pat., 126 587, (*1984*); *CA*, **102**, 184909 (*synth, pmr*)

Mertiatide, INN M-00129

N-[N-[N-(*Mercaptoacetyl*)*glycyl*]*glycyl*]*glycine, 9CI. MAGGG*

[66516-09-4]

$HSCH_2CONHCH_2CONHCH_2CONHCH_2COOH$

$C_8H_{13}N_3O_5S$ M 263.268

Oxo-Tc complex, di-Na salt: ***Technetium tiatide, BAN.*** $C_{16}H_{16}N_6Na_2O_{12}S_2Tc_2$ M 790.435

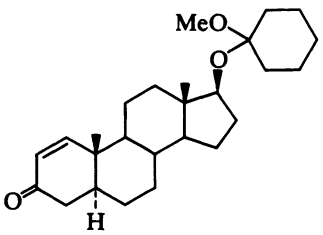
^{99m}Tc complex used as a radiodiagnostic aid in renal scintigraphy.

Sugiura, Y., *Inorg. Chem.*, 1978, **17**, 2176 (*pmr*)
Eshima, D. *et al, J. Nucl. Med.*, 1987, **28**, 1180 (*synth, pharmacol, Tc cpd*)
Owunwanne, A. *et al, Nucl. Med. Commun.*, 1988, **9**, 369 (*activity, Tc cpd*)

Mesabolone, INN M-00130

17-[(1-Methoxycyclohexyl)oxy]androst-1-en-3-one, 9CI

[7483-09-2]



$C_{26}H_{40}O_3$ M 400.600

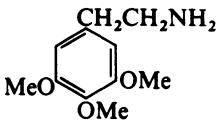
Anabolic, androgen. Mp 139-141°. $[\alpha]_D$ +49° (dioxan).

Ger. Pat., 1 165 021, (*1964*); *CA*, **60**, 13298 (*synth*)
Vitali, R. *et al*, *Steroids*, 1966, **8**, 527 (*synth, pharmacol*)
Galletti, F. *et al*, *J. Steroid Biochem.*, 1972, **3**, 933 (*metab*)

Mescaline M-00131

3,4,5-Trimethoxybenzeneethanamine, 9CI. 3,4,5-Trimethoxyphenethylamine. Mezcaline. TMPEA

[54-04-6]



$C_{11}H_{17}NO_3$ M 211.260

Alkaloid from mescal (*Lophophora williamsii*), *Trichocereus* spp., *Gymnocalycium gibbosum*, *Opuntia cyclindrica* and other spp. in the Cactaceae. Hallucinogen, occasionally used in psychiatry. Mp 35-36°. Bp_{12} 180°.

▷Highly toxic orally, exp. teratogen. SI2625000.

B,HCl: [832-92-8]. Mp 184°.

▷SI2800000.

N-*Formyl:* **N-Formylmescaline**.
$C_{12}H_{17}NO_4$ M 239.271
Alkaloid from peyote cactus (*L. williamsii*) (Cactaceae). Mp 68-69°.

N-*Ac:* [4593-89-9]. **N-Acetylmescaline**. N-[*2-(3,4,5-Trimethoxyphenyl)ethyl]acetamide, 9CI.*
$C_{13}H_{19}NO_4$ M 253.297
Alkaloid from mescal (*L. williamsii*). Metab. of Mescaline (Cactaceae). Mp 93-94°.

N-*Me:* [4838-96-4]. **N-Methylmescaline**.
$C_{12}H_{19}NO_3$ M 225.287
Alkaloid from *Alhagi pseudalhagi* and *Pelecyphora aselliformis* (Leguminosae, Cactaceae). Cryst. (MeOH/Et_2O) (as hydrochloride). Mp 201-202° (hydrochloride).

N,N-*Di-Me:* [529-91-9]. **Trichocereine**.
$C_{13}H_{17}NO_3$ M 235.282
Alkaloid from *Trichocereus* (*Cereus*) *terscheckii* (Cactaceae). Shows plant growth inhibiting activity. Tremorigenic and respiratory paralytic agent in rats. Weak hypotensive. No noticeable hallucinogenic props. in humans. Liq. Mp 172° (as picrate).

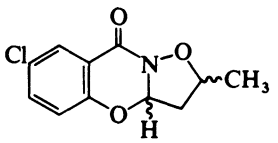
▷LD_{50} ~220 mg/kg (rat)

Heffter, A., *Ber.*, 1896, **29**, 216 (*isol*)
Späth, E. *et al*, *Ber.*, 1937, **70**, 2446; 1938, **71**, 1275 (*Acetylmescaline, Methylmescaline*)
Reti, L. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1767 (*Trichocereine*)
Bahnholzer, K. *et al*, *Helv. Chim. Acta*, 1952, **35**, 1577 (*synth*)
Kapadia, G.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1968, 1688 (*Formylmescaline*)
Kapadia, G.J. *et al*, *J. Pharm. Sci.*, 1970, **59**, 1699 (*rev*)
Lundström, J., *Acta Chem. Scand.*, 1971, **25**, 3489 (*biosynth*)
Kapadia, G.J. *et al*, *J. Pharm. Sci.*, 1977, **61**, 1172 (*deriv pmr, ms*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur, rev*)
Doetsch, P.W. *et al*, *J. Chromatogr.*, 1980, **189**, 79 (*occur*)
Van Peteghem, C. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1982, **7**, 1 (*pharmacol*)
Bailey, K. *et al*, *Org. Magn. Reson.*, 1983, **21**, 391 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5017.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1757.

Meseclazone, USAN, INN M-00132

7-Chloro-3,3a-dihydro-2-methyl-2H,9H-isoxazolo[3,2-b][1,3]benzoxazin-9-one, 9CI, 8CI. 2-Methylseclazone. W 2395

[29053-27-8]



$C_{11}H_{10}ClNO_3$ M 239.658

Antiinflammatory, analgesic, antipyretic. Cryst. (EtOAc). Mp 147-149°.

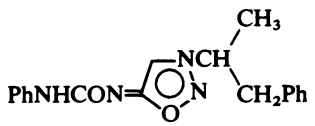
▷NY3200000.

Sofia, R.D. *et al*, *Eur. J. Pharmacol.*, 1974, **26**, 51 (*pharmacol*)
Reisner, D.B. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 760 (*synth, pharmacol*)
Dromgoole, S.H. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 102 (*metab*)

Mesocarb, INN M-00133

3-(1-Methyl-2-phenylethyl)-N-(phenylaminocarbonyl)-sydnone imine, 9CI. Synocarb. Fensidnimine. Sydnocarb

[34262-84-5]



$C_{18}H_{18}N_4O_2$ M 322.366

Central stimulant. Cryst. (MeOH). Mp 134-135°.

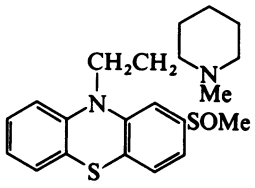
▷WU7684000.

Ger. Pat., 2 028 880, (*1971*); *CA*, **76**, 72521n (*synth, pharmacol*)
Al'tshuler, R.A. *et al*, *Farmakol. Toksikol.*, 1973, **36**, 18 (*pharmacol*)

Mesoridazine, BAN, USAN, INN **M-00134**

10-[2-(1-Methyl-2-piperidyl)ethyl]-2(methylsulfinyl)-10H-phenothiazine, 9CI. *Calodal*

[5588-33-0]



$C_{21}H_{26}N_2OS_2$ M 386.569

Stereochem. undefined. Tranquilliser. Oxidative metabolite of thoridiazine. Oil.

▷SP1880000.

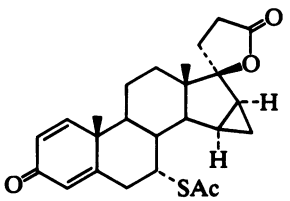
Tartrate: [15296-00-1]. Cryst. (EtOAc). Mp 115-120°. *Benzenesulfonate (1:1):* [32672-69-8]. *Mesoridazine besylate,* USAN. *Lidanar. Lidanil. Lidanor. Serentil. NC 123.*

U.S.P., 3 084 161, (*1963*); *CA*, **59**, 10072a (*synth*)
Loew, D.M. *et al*, *Boll. Chim. Farm.*, 1967, **106**, 332 (*pharmacol*)
Coombs, R.A., *Arch. Mass Spectral Data*, 1971, **2**, 754 (*ms*)
Ng, C.H. *et al*, *Br. J. Clin. Pharmacol.*, 1977, **4**, 173; *CA*, **87**, 47856v (*glc*)
Gershon, S. *et al*, *J. Clin. Psychiatry*, 1981, **42**, 463 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7067.

Mespirenone, INN **M-00135**

7-(Acetylthio)-15,16-dihydro-17-hydroxy-3-oxo-3'H-cyclopropa[6,7]pregna-1,4,15-triene-21-carboxylic acid γ-lactone, 9CI. *ZK 94679*

[87952-98-5]



$C_{25}H_{30}O_4S$ M 426.570

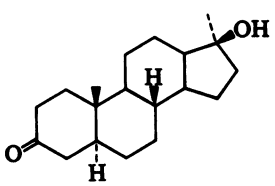
Aldosterone antagonist. Cryst. (MeOH). Mp 281°. $[\alpha]_D$ −82.3° ($CHCl_3$).

Hildebrand, M. *et al*, *J. Chromatogr.*, 1987, **414**, 217 (*hplc*)
Hildebrand, M. *et al*, *Xenobiotica*, 1987, **17**, 623 (*metab*)
Nickisch, K. *et al*, *J. Med. Chem.*, 1987, **30**, 1403 (*synth, pharmacol*)

Mestanolone, BAN, INN **M-00136**

17β-Hydroxy-17α-methyl-5α-androstan-3-one. 17α-Methylandrostanolone. Androstalone. Other proprietary names

[521-11-9]



$C_{20}H_{32}O_2$ M 304.472

Anabolic steroid. Cryst. (EtOAc). Mp 192-193°.

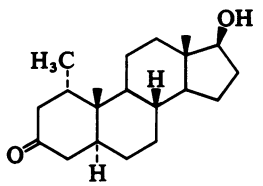
▷BV8060050.

Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1935, **18**, 1487 (*synth*)
Arnold, A. *et al*, *J. Endocrinol.*, 1963, **28**, 87 (*pharmacol*)
Neumann, F. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 1168 (*pharmacol*)
Krueskemper, H.L. *et al*, *Int. Z. Klin. Pharmakol. Ther. Toxikol.*, 1968, **1**, 455 (*pharmacol*)
Hewett, C.L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 1432 (*synth*)
Templeton, J.F. *et al*, *Steroids*, 1983, **41**, 485 (*pmr*)
Jackson, C.J.C. *et al*, *Org. Mass Spectrom.*, 1985, **20**, 10 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5972 (*synonyms*)

Mesterolone, BAN, USAN, INN **M-00137**

17β-Hydroxy-1α-methyl-5α-androstan-3-one. Androviron. Dapoder. Gavrol. Gavrolin. Mestoranum. Proviron. Sten-or. Testiwop. Vistimon. NSC 75054. SH 60723

[1424-00-6]



$C_{20}H_{32}O_2$ M 304.472

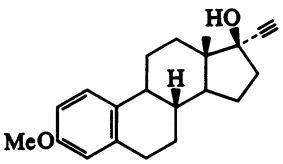
Androgen. Cryst. (EtOAc). Mp 203.5-205°. $[\alpha]_D^{20}$ +17.6° (c, 0.9 in $CHCl_3$).

Huck, H. *et al*, *Wien. Klin. Wochenschr.*, 1972, **84**, 114 (*metab*)
Mori, H. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 980.
Baran, L. *et al*, *Pol. J. Pharmacol. Pharm.*, 1981, **33**, 299 (*pharmacol*)
Laurent, H. *et al*, *Justus Liebigs Ann. Chem.*, 1983, 1996 (*synth*)
Danaci, S. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1677 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9064.

Mestranol, BAN, USAN **M-00138**

3-Methoxy-19-norpregna-1,3,5(10)-trien-20-yn-17-ol, 9CI. *17α-Ethynyl-3-methoxy-1,3,5(10)-oestratrien-17β-ol. Devocin. Ovastol. Tranel. CB 8027. EE$_3$ME. L 33355. RS 1044*

[72-33-3]



$C_{21}H_{26}O_2$ M 310.435

Widely-used oestrogen. Used in combination as an oral contraceptive. Cryst. (Me_2CO). Mp 150-151°. Component of Ortho-Novin, Femigen and Norbiogest.

▷RC8960000.

17-Epi: Epimestranol. Cryst. Mp 139.5-140°. $[\alpha]_D^{20}$ +71.3° (CH_2Cl_2).

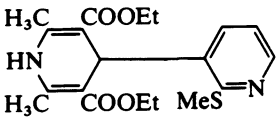
Colton, F.B. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 1123 (*synth*)
Smith, D.H. *et al*, *Tetrahedron*, 1973, **29**, 3117 (*ms*)
Ranney, R.E. *et al*, *J. Toxicol. Environ. Health*, 1977, **3**, 139 (*rev, metab*)
Horvath, G. *et al*, *Adv. Mass Spectrom.*, 1978, **7B**, 1280 (*ms*)
Kanojia, R.M. *et al*, *J. Med. Chem.*, 1979, **22**, 1538 (*synth, pharmacol*)
Wachter, M.P. *et al*, *Steroids*, 1979, **33**, 287 (*pmr, struct*)
Westmijze, H. *et al*, *Tetrahedron Lett.*, 1980, 2665 (*synth*)
El-Obeid, H.A. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 375 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9065.

Mesudipine, INN **M-00139**

Diethyl 1′,4′-dihydro-2′,6′-dimethyl-2-(methylthio)[3,4′-bipyridine]-3′,5′-dicarboxylate, 9CI

[62658-88-2]



$C_{19}H_{24}N_2O_4S$ M 376.470

Ca slow channel blocker, coronary vasodilator.

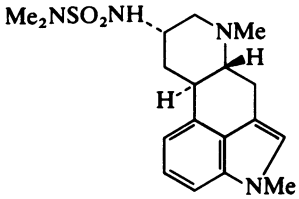
Ger. Pat., 2 658 183, (*1978*); *CA*, **89**, 146772n

Molyvdas, P.-A. *et al*, *Eur. J. Pharmacol.*, 1983, **88**, 205 (*pharmacol*)

Mesulergine, INN **M-00140**

N′-(1,6-Dimethylergolin-8α-yl)-N,N-dimethylsulfamide, 9CI

[64795-35-3]



$C_{18}H_{26}N_4O_2S$ M 362.489

Prolactin secretion inhibitor and dopaminergic agent.

▷Possibly carcinogenic

B,HCl: [72786-12-0]. *CQ 32-085.* Cryst. (EtOH). Mp 226-228°. $[\alpha]_D^{20}$ −23° (c, 0.3 in py).

Flueckiger, E. *et al*, *Experientia*, 1979, **35**, 1677 (*pharmacol*)

Stuetz, P.L. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 537 (*synth, pharmacol*)

U.S.P., 4 348 391, (*1982*); *CA*, **98**, 16916 (*synth*)

Morales-Olivas, F.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1984, **272**, 71 (*pharmacol*)

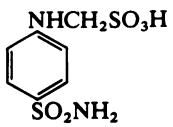
Pfeiffer, R.F., *Clin. Neuropharmacol.*, 1985, **8**, 64 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16889.

Mesulfamide, INN **M-00141**

(p-Sulfamoylanilino)methanesulfonic acid, 8CI

[122-89-4]



$C_7H_{10}N_2O_5S_2$ M 266.286

Antibacterial agent.

▷Teratogenic

Na salt: [138-43-2]. *Mesulfamide sodium. Anticoccine. Pulmorex.*

Fischer, A., *Arch. Int. Pharmacodyn.*, 1937, **56**, 131 (*pharmacol*)

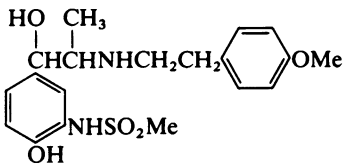
Ancel, P. *et al*, *Arch. Physiol. Biol.*, 1943, **16**, 43 (*tox*)

U.S.P., 2 339 787, (*1944*); *CA*, **38**, 41019 (*synth*)

Mesuprine, INN **M-00142**

N-[2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]amino]propyl]phenyl]-methanesulfonamide, 9CI. 2′-Hydroxy-5′-[1-hydroxy-2-[(p-methoxyphenethyl)amino]propyl]-methanesulfonanilide, 8CI

[7541-30-2]



$C_{19}H_{26}N_2O_5S$ M 394.485

Vasodilator, smooth muscle relaxant.

B,HCl: [7660-71-1]. *Mesuprine hydrochloride, USAN. MJ 1987.* Mp 181-183°.

▷PB0822100.

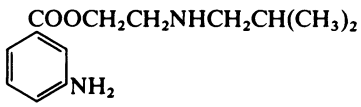
Larsen, A.A. *et al*, *J. Med. Chem.*, 1967, **10**, 462 (*synth, pharmacol*)

Cheymol, G. *et al*, *J. Pharmacol.*, 1973, **4**, 81 (*pharmacol*)

Metabutethamine, INN **M-00143**

2-[(2-Methylpropyl)amino]ethanol 3-aminobenzoate, 9CI. 2-(Isobutylamino)ethanol m-*aminobenzoate, 8CI*

[4439-25-2]



$C_{13}H_{20}N_2O_2$ M 236.313

Local anaesthetic.

B,HCl: [553-58-2]. *Unacaine.* Bitter-tasting cryst. Mp 181-184°.

▷KL4374900.

B.P., 482 886, (*1938*); *CA*, **32**, 6807

Koehler, H.M. *et al*, *J. Pharm. Sci.*, 1964, **53**, 745 (*glc*)

Cahill, J.F. *et al*, *Can. J. Physiol. Pharmacol.*, 1965, **43**, 343 (*metab, tox*)

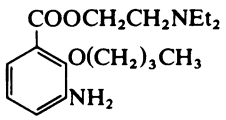
O'Brien, K.P. *et al*, *Bull. Narcotics*, 1970, **22**, 35 (*ir*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7635.

Metabutoxycaine, INN **M-00144**

2-(Diethylamino)ethyl 3-amino-2-butoxybenzoate, 9CI, 8CI. Primacaine

[3624-87-1]



$C_{17}H_{28}N_2O_3$ M 308.420

Local anaesthetic.

▷DG1455000.

B,HCl: [550-01-6]. Cryst. Mp 117-119°.

U.S.P., 2 882 296, (*1959*); *CA*, **53**, 17060b (*synth*)

Cahill, J.F. *et al*, *Can. J. Physiol. Pharmacol.*, 1965, **43**, 343 (*metab, tox*)

Sunshine, I. *et al*, *J. Forensic Sci.*, 1966, **11**, 428 (*tlc*)

O'Brien, K.P. *et al*, *Bull. Narcotics*, 1970, **22**, 35 (*ir*)

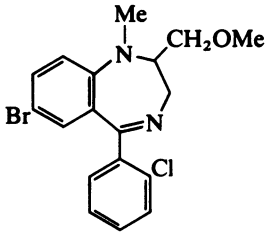
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7636.

Metaclazepam, INN M-00145

7-Bromo-5-(2-chlorophenyl)-2,3-dihydro-2-(methoxymethyl)-1-methyl-1H-1,4-benzodiazepine, 9CI. Brometazepam

[65517-27-3]



$C_{18}H_{18}BrClN_2O$ M 393.710

Analgesic, muscle relaxant.

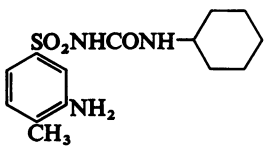
B,HCl: [61802-93-5]. Mp 190-193°.

Ger. Pat., 2 520 937, (*1976*); *CA*, **86**, 89913w (*synth, pharmacol*)
Belg. Pat., 896 635, (*1983*); *CA*, **100**, 56848h (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19474.

Metahexamide, BAN, INN M-00146

3-Amino-N-[(cyclohexylamino)carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-Cyclohexyl-3-(4-methylmetanilyl)urea, 8CI. Melanex. D970. Euglycin. Glyhexylamide. Hoechst 15972. Isodiane. Metahexanamide. 1600S. U9970. WP 40

[565-33-3]



$C_{14}H_{21}N_3O_3S$ M 311.398

Oral antidiabetic agent. Mp 151°. Forms complexes with heavy metals.

▷YS7610000.

Haack, E., *Arzneim.-Forsch.*, 1958, **8**, 444; *CA*, **53**, 12226.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7229.

Metalkonium(1+) M-00147

N-[2-(Dodecylamino)-2-oxoethyl]-N,N-dimethylbenzenemethanaminium, 9CI. Benzyl[(dodecylcarbamoyl)methyl]dimethylammonium, 8CI

$H_3C(CH_2)_{11}NHCOCH_2N^{\oplus}(Me)_2CH_2Ph$

$C_{23}H_{41}N_2O^{\oplus}$ M 361.590 (ion)

Antiseptic, disinfectant.

Chloride: [100-95-8]. *Metalkonium chloride. Dodecarbonium chloride. Hydramon. Nopcocide. Straminol. Urolocide.*

$C_{23}H_{41}ClN_2O$ M 397.043

Mp 147-148°.

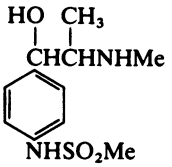
▷BO7525000.

U.S.P., 2 295 655, (*1942*); *CA*, **37**, 1232 (*synth, props*)

Metalol, INN M-00148

N-[4-[1-Hydroxy-2-(methylamino)propyl]-phenylmethanesulfonamide, 9CI. 4'-[1-Hydroxy-2-(methylamino)propyl]methanesulfonanilide, 8CI

[7701-65-7]



$C_{11}H_{18}N_2O_3S$ M 258.335

Beta-adrenergic blocking agent.

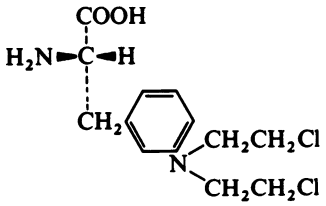
B,HCl: [955-48-6]. *Metalol hydrochloride, USAN. MJ 1998.* Mp 192.5-194°.

▷PB0870700.

Uloth, R.H. *et al, J. Med. Chem.*, 1966, **9**, 88 (*synth, nmr, pharmacol*)
Davis, W.G. *et al, J. Pharm. Pharmacol.*, 1970, **22**, 284 (*pharmacol*)

Metamelfalan, BAN, INN M-00149

3-[Bis(2-chloroethyl)amino]phenylalanine, 9CI



$C_{13}H_{18}Cl_2N_2O_2$ M 305.203

▷AY3380010.

(S)-form [1088-80-8]

Antineoplastic agent. Needles (MeOH). Insol. H_2O. $[\alpha]_D^{22}$ −31.5°.

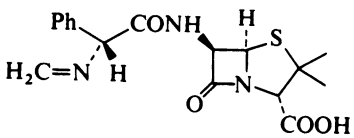
▷AY3380010.

Bergel, F. *et al, J. Chem. Soc.*, 1954, 2409 (*synth, pharmacol*)
Gram, H.F. *et al, J. Med. Chem.*, 1963, **6**, 85 (*synth, pharmacol*)

Metampicillin, INN M-00150

6-[α-(Methyleneamino)phenylacetamido]penicillanic acid. Methampicillin. Numerous proprietary names

[6489-97-0]



$C_{17}H_{19}N_3O_4S$ M 361.415

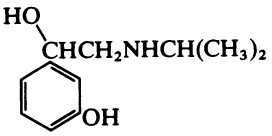
Semisynthetic penicillin (Ampicillin formaldehyde adduct). Claimed to prod. high bile concentrations.

B.P., 1 081 093, (*1968*); *CA*, **68**, 114595 (*synth*)
Ginocchi, G. *et al, Minerva Med.*, 1969, **60**, 1999, 2003, 2011 (*pharmacol*)
Sutherland, R. *et al, Chemotherapy*, 1972, **17**, 145 (*props*)
Brogard, J.M. *et al, J. Antimicrob. Chemother.*, 1976, **2**, 363 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4396 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 104, 185.

Metaterol, INN **M-00151**

3-Hydroxy-α-[[(1-methylethyl)amino]methyl]-benzenemethanol, 9CI. *m-Hydroxy-α-[(isopropylamino)methyl]benzylalcohol,* 8CI. *Isofenefrine. S40045-9*

[3571-71-9]



$C_{11}H_{17}NO_2$ M 195.261

▷DO6526000.

(±)-form [10104-00-4]

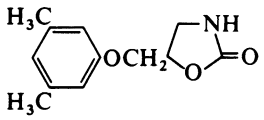
Sympathomimetic, broncholytic agent. Cryst. + 0.75 H_2O (EtOH/Et_2O). Mp 144°.

Hamm, J. *et al, Arzneim.-Forsch.,* 1957, **7**, 270; 1960, **10**, 17 (*pharmacol*)
Barlow, J.J. *et al, J. Med. Chem.,* 1981, **24**, 315 (*synth*)
Alpatova, T.V. *et al, Khim.-Farm. Zh.,* 1984, **18**, 444 (*synth*)
Ijzerman, A.P. *et al, J. Med. Chem.,* 1985, **28**, 1328 (*activity*)

Metaxalone, BAN, INN, USAN **M-00152**

5-[(3,5-Dimethylphenoxy)methyl]-2-oxazolidinone, 9CI. *5-(3,5-Xylyloxymethyl)oxazolidin-2-one. Metaxine. Skelaxin. AHR 438*

[1665-48-1]



$C_{12}H_{15}NO_3$ M 221.255

▷RQ3850000.

(±)-form

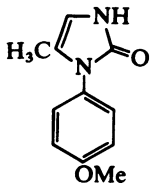
Muscle relaxant. Cryst. (EtOAc). Mp 121.5-123°. $Bp_{1.5}$ 220-225°.

Lunsford, C.D. *et al, J. Am. Chem. Soc.,* 1960, **82**, 1166 (*synth*)
Minyard, A. *et al, Texas J. Pharm.,* 1963, **4**, 346 (*pharmacol*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.,* 1964, **47**, 918 (*ir*)
Bruce, R.B. *et al, J. Med. Chem.,* 1966, **9**, 286 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5724.

Metazamide, INN **M-00153**

1-(p-Methoxyphenyl)-5-methyl-4-imidazolin-2-one, 8CI. *GPA-878*

[14058-90-3]



$C_{11}H_{12}N_2O_2$ M 204.228

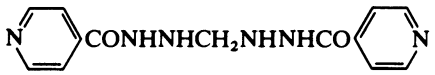
Analgesic. Mp 195-196°.

U.S.P., 3 303 199, (*1967*); *CA,* **66**, 95041p (*synth, pharmacol*)

Metazide, INN **M-00154**

4-Pyridinecarboxylic acid 2,2'-methylenedihydrazide, 9CI. *Isonicotinic acid 2,2'-methylenedihydrazide,* 8CI. *Methazide. Ro 2-4969*

[1707-15-9]



$C_{13}H_{14}N_6O_2$ M 286.293

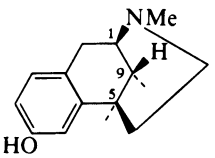
Antibacterial, tuberculostatic agent. Mp 175-181°.

B.P., 720 787, (*1954*); *CA,* **49**, 8334d (*synth*)
Sycheva, T.P., *CA,* 1963, **58**, 498g (*synth*)
Grebennik, L.I., *Sov. Med.,* 1968, **31**, 47 (*rev*)
Akopyan, N.E. *et al, Biol. Zh. Am.,* 1970, **23**, 91; *CA,* **73**, 54330h (*pharmacol*)
Storozhuk, P.G. *et al, Probl. Tuberk.,* 1983, **4**, 59; *CA,* **99**, 16351v (*pharmacol*)
Mynka, A.F. *et al, Farm. Zh. (Kiev),* 1984, **6**, 33 (*ir*)
U.S.S.R. Pat., 1 182 351, (*1985*); *CA,* **104**, 230603u (*detn*)
Shardinov, V.N., *Khim.-Farm. Zh.,* 1986, **20**, 221 (*anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7561.

Metazocine, BAN, INN **M-00155**

1,2,3,4,5,6-Hexahydro-3,6,11-trimethyl-2,6-methano-3-benzazocin-8-ol, 9CI. *2'-Hydroxy-2,5,9-trimethyl-6,7-benzomorphan. Methobenzorphan. NIH 7410*

[3734-52-9]



(1*R*,5*R*,9*R*)-(−)-*form* ((α)-(−)-*form*) Absolute configuration

$C_{15}H_{21}NO$ M 231.337

Four stereoisomers known, of which the (1*R*,5*R*,9*R*)- and (1*R*,5*R*,9*S*)-forms are the most active physiologically. Narcotic analgesic.

(1*R*,5*R*,9*R*)-form [21286-60-2]

(α)-(−)-*form*

Mp 184-186°.

B,HBr: Mp 248-250°.

(1*S*,5*S*,9*R*)-form [67009-58-9]

(β)-(+)-*form*

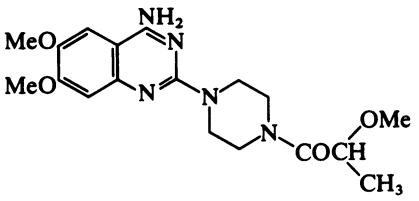
Cryst. (Me_2CO aq.). Mp 181-183°. $[\alpha]_D^{25}$ +81.8° (c, 0.83 in EtOH).

B,HBr: Mp 274-276° dec.

May, E.L. *et al, J. Org. Chem.,* 1959, **24**, 1435 (*synth*)
Fullerton, S.E. *et al, J. Org. Chem.,* 1962, **27**, 2144 (*pmr*)
Casy, A.F. *et al, J. Med. Chem.,* 1969, **12**, 178 (*abs config, ord*)
Vaughan, D.P. *et al, J. Pharm. Pharmacol.,* 1973, **25**, 895 (*ms*)
Albertson, N.F. *et al, J. Med. Chem.,* 1978, **21**, 471 (*synth, pharmacol*)
Casy, A.F. *et al, Org. Magn. Reson.,* 1982, **20**, 254 (*cmr*)
Meyers, A.I. *et al, J. Am. Chem. Soc.,* 1985, **107**, 7974 (*synth*)

Metazosin M-00156

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-methoxy-1-oxopropyl)piperazine, 9CI



$C_{18}H_{25}N_5O_4$ M 375.427

(±)-form [95549-92-1]

Antihypertensive agent. Cryst. (EtOH). Mp 219-219.5°.

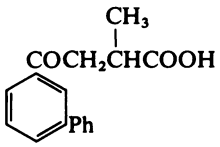
B,HCl: [95550-00-8]. *VUFB 15111.* Cryst. + $1H_2O$ (EtOH aq.). Mp 238-240° (monohydrate).

Ger. Pat., 3 419 223, (*1984*); *CA*, **102**, 132071 (*synth, pharmacol*)

Metbufen, INN M-00157

α-Methyl-γ-oxo-(1,1'-biphenyl)-4-butanoic, 10CI. 3-(4-Biphenylylcarbonyl)-2-methylpropionic acid. F 1594

[63472-04-8]



$C_{17}H_{16}O_3$ M 268.312

(±)-form

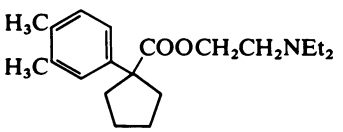
Antiinflammatory agent. Cryst. (MeOH). Mp 212-215°.

Badder, F.G. *et al*, *J. Chem. Soc.*, 1955, 2199 (*synth*)
Child, R.G. *et al*, *J. Pharm. Sci.*, 1977, **66**, 466 (*synth, pharmacol*)

Metcaraphen M-00158

2-(Diethylamino)ethyl 1-(3,4-xylyl)-cyclopentanecarboxylate. 2-(Diethylaminoethyl) 1-(3,4-dimethylphenyl)cyclopentanecarboxylate. Dimethylcaramiphen. Netrin. Parnetil. Vanetril. 3012G

[561-79-5]



$C_{20}H_{31}NO_2$ M 317.470

Anticholinergic, spasmolytic agent. $Bp_{0.05}$ 126-128°.

▷GY3980000.

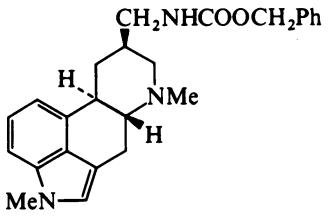
B,HCl: [1950-31-8]. Cryst. (EtOH/EtOAc).

Swiss Pat., 247 926, (*1949*); *CA*, **43**, 6656b (*synth*)
Pulver, R., *Naunyn-Schmiedebergs Arch. Exp. Pathol. Pharmacol.*, 1956, **228**, 172 (*pharmacol*)
Nakanishi, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1957, **30**, 403 (*ir*)
Vecerkova, J. *et al*, *J. Chromatogr.*, 1963, **10**, 479 (*chromatog*)

Metergoline, BAN, INN M-00159

[[(8β)-1,6-Dimethylergolin-8-yl]methyl]carbamic acid phenylmethyl ester, 9CI. N-Carboxy-1-methyl-9,10-dihydrolysergamine benzyl ester. Methergoline. Al-Migren. Liserdol. FI 6337. MCE

[17692-51-2]



$C_{25}H_{29}N_3O_2$ M 403.523

Analgesic, serotonin antagonist, antipyretic. Mp 168-170°.

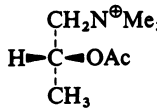
▷FA1070000.

Benardi, L. *et al*, *Gazz. Chim. Ital.*, 1964, **94**, 936 (*synth*)
Beretta, C. *et al*, *Nature (London)*, 1965, **207**, 421, 1339 (*pharmacol*)
Serantoni, F. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 2899 (*cryst struct*)
Vicario, G.P. *et al*, *Farmaco, Ed. Sci.*, 1982, **37**, 651 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1511.

Methacholine(1+) M-00160

2-(Acetyloxy)-N,N,N-trimethyl-1-propanaminium, 9CI

[55-92-5]



(R)-form
Absolute configuration

$C_8H_{18}NO_2^{\oplus}$ M 160.236 (ion)

▷BR5200000.

(R)-form [18314-34-6]

Iodide: [25126-56-1].
$C_8H_{18}INO_2$ M 287.140
Mp 172-174°. $[\alpha]_D^{29}$ −27.8° (EtOH aq.).

(S)-form [25182-49-4]

Iodide: [24570-52-3]. Mp 176.5-177.5°. $[\alpha]_D^{29}$ +26.4° (EtOH aq.).

(±)-form [21293-38-9]

Parasympathomimetic cholinergic agent.

Iodide: [53358-05-7]. Cryst. powder. Sol. H_2O, EtOH, insol. Et_2O, Me_2CO. Mp 135-136°. Light-sensitive.

Chloride: [2410-07-3]. *Methacholine chloride, BAN, INN.*
$C_8H_{18}ClNO_2$ M 195.689
Deliquescent cryst. Mp 170-173°.

Bromide: [333-31-3]. *Methacholine bromide.*
$C_8H_{18}BrNO_2$ M 240.140
Hygroscopic cryst. Mp 147-149°.

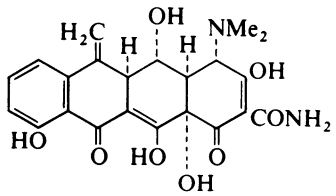
Beckett, A.H. *et al*, *J. Pharm. Pharmacol.*, 1963, **15**, 349, 362 (*abs config*)
Biochem. Prep., 1966, **11**, 4 (*synth*)
Chothia, C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 629 (*cryst struct*)
Volle, R.L., *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 584 (*rev*)
Partington, P., *Mol. Pharmacol.*, 1972, **8**, 269 (*pmr*)
Schowen, K.B. *et al*, *J. Med. Chem.*, 1975, **18**, 292 (*resoln*)
Aslanian, D. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 1974 (*conformn*)

Rosenfield, R.E. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 5427 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1051 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4519, 4520.

Methacycline, BAN, USAN M-00161

4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,10,12,12a-pentahydroxy-6-methylene-1,11-dioxo-2-naphthacenecarboxamide, 9CI, 8CI. 6-Methyleneoxytetracycline. Bialatan. Other proprietary names

[914-00-1]



$C_{22}H_{22}N_2O_8$ M 442.424

Semisynthetic tetracycline antibiotic. Prepared from Oxytetracycline by dehydration. Broad-spectrum antibiotic of limited clinical use. Mp 205° dec.

▷QI9275000.

B,HCl: [3963-95-9]. *Methacycline hydrochloride, USAN. Rondomycin.* Yellow cryst. + $\frac{1}{2}H_2O$ + $\frac{1}{2}$MeOH (MeOH aq.). Mp ca. 205° dec.

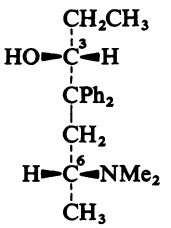
▷QI9276000.

U.S.P., 3 026 354, (*1960*); *CA*, **57**, 7202 (*manuf*)
Blackwood, R.K. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 2773; 1963, **85**, 3943 (*synth, uv*)
Asleson, G.L. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 6246 (*cmr*)
Sobiczewski, W., *Acta Pol. Pharm.*, 1975, **32**, 37; *CA*, **83**, 164498 (*synth*)
Casy, A.F. *et al*, *J. Pharm. Biomed. Anal.*, 1983, **1**, 281 (*nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6470 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 105.

Methadol M-00162

β-[2-(Dimethylamino)propyl]-α-ethyl-β-phenylbenzeneethanol, 9CI. 6-Dimethylamino-4,4-diphenyl-3-heptanol, 8CI. ***Dimepheptanol, BAN, INN****. Amidol. Pangerin. NIH 2933*

[545-90-4]



(3R,6R)-form
Absolute configuration

$C_{21}H_{29}NO$ M 311.466

Various stereoisomers of the parent alcohol and of the *O*-acetate (Methadyl acetate, BAN) are used as analgesics.

(3R,6R)-form [17199-54-1]
(+)-*α-form.* ***Alphamethadol, BAN, INN***
Cryst. Mp 100-102°.
Ac: [17199-58-5]. ***Alphaacetylmethadol, INN****. Alphacemethadone. DAAM.*
$C_{23}H_{31}NO_2$ M 353.503
Narcotic analgesic. Cryst. (EtOH/Et_2O). Mp 215°. $[\alpha]_D^{25}$ +61.2° (c, 0.2 in EtOH).
B,HCl: Mp 169-171°. $[\alpha]_D^{25}$ +34° (c, 0.26 in H_2O).

(3R,6S)-form [15529-92-7]
(+)-*β-form*
Prisms (EtOH aq.). Mp 106-107°. $[\alpha]_D^{20}$ +178° (EtOH). More potent than (−)-*β* isomer.
Ac: Prisms. Mp 71-72°. $[\alpha]_D^{20}$ +90.7° (c, 0.43 in EtOH).
Ac; B,HCl: Needles + $1H_2O$ (Me_2CO aq.). Mp 158-160° (monohydrate). $[\alpha]_D^{20}$ +47° (c, 0.89 in H_2O).

(3S,6S)-form [14019-10-4]
(−)-*α-form. Levomethadyl*
Analgesic. Mp 100-102°. More potent than (+)-*α* isomer.
B,HCl: Mp 169-171°. $[\alpha]_D^{25}$ −34° (c, 0.3 in H_2O).
Ac: [34433-66-4]. ***Levaacetylmethadol, INN****. Levomethadyl acetate, USAN. LAAM.*
Ac; B,HCl: Cryst. (EtOH/Et_2O), cryst. + $1H_2O$. Mp 215° (anhyd.), 159-161° (hydrate). $[\alpha]_D^{25}$ −60° (c, 0.2 in EtOH).

(3S,6R)-form [17199-55-2]
(−)-*β-form.* ***Betamethadol, BAN, INN***
Prisms. Mp 105-107°. $[\alpha]_D^{20}$ −178° (EtOH). More active than the (3*R*,6*S*)-form.
▷MJ3500000.
Ac: [17199-59-6]. ***Betaacetylmethadol, INN****. Betacemethadone.* Analgesic. Cryst. Mp 69.5-71°. $[\alpha]_D^{20}$ −91.5° (c, 0.46 in EtOH).
Ac; B,HCl: Cryst. + $1H_2O$ (Me_2CO/Et_2O). Mp 159-161° (206-208°). $[\alpha]_D^{20}$ −46.7° (c, 0.75 in H_2O).

(3RS,6RS)-form
(±)-*α-form*
Analgesic. Prisms (MeOH aq.). Mp 100-100.5°.
B,HCl: [23164-36-5]. Prisms. Mp 192-193°.
▷MJ3850000.
Ac; B,HCl: Cryst. (EtOAc). Mp 213-214°.

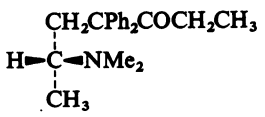
(3RS,6SR)-form
(±)-*β-form*
Narcotic analgesic. Mp 127-128°.
B,HCl: Rods (Me_2CO). Mp 210-212°.
Ac: Cryst. (EtOH aq.). Mp 129-130°.
Ac; B,HCl: Cryst. + $\frac{1}{2}$or $1H_2O$. Mp 142-160° (monohydrate), Mp 186-188.5° (hemihydrate).

Bockmühl, M. *et al*, *Justus Liebigs Ann. Chem.*, 1948, **561**, 52 (*deriv*)
Pohland, A. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 460 (*synth, resoln*)
Speeter, M.E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 57 (*deriv*)
Eddy, N.B. *et al*, *J. Org. Chem.*, 1952, **17**, 321 (*synth, pharmacol*)
Portoghese, P.S. *et al*, *J. Pharm. Sci.*, 1966, **55**, 900 (*isom*)
Casy, A.F. *et al*, *J. Med. Chem.*, 1968, **11**, 601 (*synth, pharmacol*)
Williams, P.S. *et al*, *J. Med. Chem.*, 1969, **12**, 839 (*pmr, struct*)
Shefter, E., *J. Med. Chem.*, 1974, **10**, 1037 (*abs config*)
Archer, S., *NIDA Res. Monogr.*, 1976, **8**, 10 (*pharmacol, deriv*)
Mule, S.J. *et al*, *Ann. N.Y. Acad. Sci.*, 1978, **311**, 199 (*pharmacol, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6235.

Methadone, BAN, INN **M-00163**

6-Dimethylamino-4,4-diphenyl-3-heptanone, 9CI, 8CI. Amidone. Adanon. Dolophine

[76-99-3]



(*R*)-*form*

$C_{21}H_{27}NO$ M 309.450

▷MJ5950000.

(***R*)-form** [125-58-6]

Levomethadone, INN. *Levamethadone*

Cryst. (2-propanol). Mp 98-100°. $[\alpha]_D^{20}$ −32° (c, 1.8 in EtOH).

▷MJ5990000.

B,HCl: [5967-73-7]. *Levadone.* Cryst. Mp 245-246°. $[\alpha]_D^{20}$ −169° (c, 2.1 in EtOH).

▷MJ6475000.

(***S*)-form** [5653-80-5]

Cryst. (2-propanol). Mp 100-101°. $[\alpha]_D^{25}$ +26° (c, 1.5 in EtOH).

▷MJ6000000.

B,HCl: [15284-15-8]. Cryst. (2-propanol). Mp 243-244°. $[\alpha]_D^{25}$ +125° (c, 1.5 in EtOH).

▷MJ6650000.

(±)-form [297-88-1]

Analgesic equalling morphine in potency. Used in Heroin replacement therapy. Cryst. (MeOH). Mp 79-81°.

▷MJ5960000.

B,HCl: [125-56-4]. *Methadone hydrochloride, USAN. Physopeptone. Numerous other synonyms.* Cryst. Mp 229-230°.

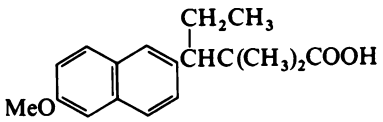
▷MJ6130000.

Easton, N.R. *et al, J. Am. Chem. Soc.*, 1947, **69**, 2941 (*synth*)
Larsen, A.A. *et al, J. Am. Chem. Soc.*, 1948, **70**, 4194 (*synth, resoln*)
Hanson, A.W. *et al, Acta Crystallogr.*, 1958, **11**, 724 (*cryst struct, abs config*)
Bishara, R.J. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 365; 1980, **9**, 601 (*rev*)
Bye, E., *Acta Chem. Scand., Ser. B*, 1974, **28**, 5 (*cryst struct*)
Portoghese, P.S. *et al, J. Med. Chem.*, 1982, **25**, 684 (*synth*)
Buyuktimkin, N. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1984, **317**, 653 (*resoln*)
Duax, W.L. *et al, Tetrahedron*, 1984, **40**, 467 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6228 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6237.

Methallenoestril, BAN **M-00164**

β-Ethyl-6-methoxy-α,α-dimethyl-2-naphthalenepropanoic acid, 9CI, 8CI. 3-(6-Methoxy-2-naphthyl)-2,2-dimethylpentanoic acid. ***Methallenestril, INN.*** *Cur-men. Ercostrol. Geklimon. Novestrine. Vallestril*

[517-18-0]



$C_{18}H_{22}O_3$ M 286.370

▷QK0302500.

(−)-form [20756-70-1]

Mp 158-159°. $[\alpha]_D$ −28.5°.

(±)-form

Oestrogen. Cryst. (MeOH aq.). Mp 139-140°.

Gay, R. *et al, Bull. Soc. Chim. Fr.*, 1955, 955 (*synth*)
Dubois, J.C. *et al, C.R. Hebd. Seances Acad. Sci.*, 1963, **256**, 5596 (*resoln*)
Crenshaw, R.R. *et al, J. Med. Chem.*, 1972, **15**, 1179 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **42**, 150 (*props, uv*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1980, **12**, 658 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9066.

Methallibure, BAN, USAN **M-00165**

N-Methyl-N′-(1-methyl-2-propenyl)-1,2-hydrazinedicarbothioamide, 9CI. 1-Methyl-6-(1-methylallyl)-2,5-dithiobiurea, 8CI. N-(*1-Methylallylthiocarbamoyl*)-N′-*methylthiocarbamoylhydrazine.* ***Metallibure, INN.*** *Aimax. Match. Turisynchron. AY 61122. ICI 33828. NSC 69536*

[926-93-2]

$H_2C{=}CHCH(CH_3)NHCSNHNHCSNHMe$

$C_7H_{14}N_4S_2$ M 218.334

Suppresses pituitary, ovarian and renal function, used mainly in animals. Mp 198-200° dec.

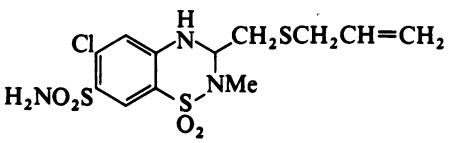
▷EC1490000.

Ger. Pat., 1 468 071, (*1972*); *CA*, **77**, 151530p (*synth*)
Loew, O., *Arch. Exp. Veterinaermed.*, 1972, **26**, 883 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12935.

Methalthiazide, USAN **M-00166**

6-Chloro-3,4-dihydro-2-methyl-3-[(2-propenylthio)methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. 3-[(Allylthio)methyl]-6-chloro-3,4-dihydro-2-methyl-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 8CI. P 2530

[5611-64-3]



$C_{12}H_{16}ClN_3O_4S_3$ M 397.909

(±)-form

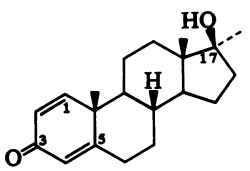
Diuretic, antihypertensive agent. Cryst. (2-propanol). Mp 168.5-170°.

B.P., 902 658, (*1962*); *CA*, **58**, 539f (*synth, pharmacol*)

Methandienone, BAN **M-00167**

17β-Hydroxy-17α-methyl-1,4-androstadien-3-one. ***Metandienone, INN.*** *Dianabol. Methandrostenolone. Vetanabol. Numerous proprietary names*

[72-63-9]



$C_{20}H_{28}O_2$ M 300.440

Anabolic steroid used for correction of negative nitrogen balance. Cryst. (Me_2CO/Et_2O). Mp 163-164°. $[\alpha]_D^{26}$ 0° (c, 1.2 in $CHCl_3$). λ_{max} 245 nm (ε 15 600) (EtOH).

▷Exp. neoplastic agent. BV8000000.

Vischer, E. *et al*, *Helv. Chim. Acta*, 1955, **38**, 1502 (*synth*)
Meystre, C. *et al*, *Helv. Chim. Acta*, 1956, **39**, 734 (*synth*)
Shapiro, E.L. *et al*, *Steroids*, 1966, **8**, 461 (*synth*)
Duerbeck, H.W. *et al*, *Biomed. Mass Spectrom.*, 1980, **7**, 437 (*ms, metab*)
Torrini, F. *et al*, *Farmaco, Ed. Sci.*, 1980, **35**, 681 (*synth*)
Gharavi, M. *et al*, *Int. J. Pharm.*, 1983, **14**, 325 (*props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5907 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9067.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 801.

Methanediphosphonic acid M-00168

Methylenebisphosphonic acid, 9CI. Methylenediphosphonic acid, 8CI. **Medronic acid, BAN, USAN, INN**

[1984-15-2]

$(HO)_2P(O)CH_2P(O)(OH)_2$

$CH_6O_6P_2$ M 176.002

Complexing agent, pharmaceutical aid. Used for prevention of dental caries. Cryst. (2-methyl-2-propanol or AcOH). Mp 201°. pK_{a2} 3.05, pK_{a3} 7.35, pK_{a4} 10.96.

Di-Na salt: [25681-89-4]. *Amerscan. MDP. Medronate disodium, USAN.*

Tetra-Me ester: [16001-93-7]. *Tetramethyl methylenebisphosphonate.*
$C_5H_{14}O_6P_2$ M 232.110
Liq. $Bp_{0.05}$ 87-90°. n_D^{20} 1.4523.

Tetra-Et ester: [1660-94-2]. *Tetraethyl methylenebisphosphonate.*
$C_9H_{22}O_6P_2$ M 288.217
Liq. $Bp_{0.1}$ 90-94°. n_D^{20} 1.4412 (1.4300).
▷SZ9150000.

Tetrakis(2-propenyl) ester: Tetraallyl methylenediphosphonate.
$C_{13}H_{22}O_6P_2$ M 336.261
Liq.
▷Dec. violently on attempted distn. SZ9150000.

Tetraisopropyl ester: [1660-95-3]. *Tetrakis(1-methylethyl) methylenebisphosphonate. Tetraisopropyl methylenediphosphonate.*
$C_{13}H_{30}O_6P_2$ M 344.324
Liq. $Bp_{0.1}$ 96-100°. n_D^{20} 1.4317.

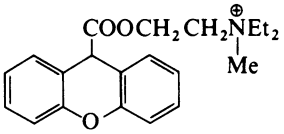
Tetra-Ph ester: [84441-53-2]. *Tetraphenyl methylenebisphosphonate.*
$C_{25}H_{22}O_6P_2$ M 480.393
Needles (Et_2O). Mp 81-82°.

Schwarzenbach, G. *et al*, *Monatsh. Chem.*, 1950, **81**, 202 (*synth*)
Moedritzer, K. *et al*, *J. Inorg. Nucl. Chem.*, 1961, **22**, 297 (*synth, tetraethyl ester, ir, P nmr*)
Grabenstetter, R.J. *et al*, *J. Phys. Chem.*, 1967, **71**, 4194 (*P nmr, props*)
Quimby, O.T. *et al*, *J. Organomet. Chem.*, 1968, **13**, 199 (*esters, derivs*)
Nicholson, D.A. *et al*, *J. Org. Chem.*, 1970, **35**, 3149 (*esters, synth, P nmr*)
Sommer, K., *Z. Anorg. Allg. Chem.*, 1970, **376**, 37 (*synth, P nmr*)
Althoff, W. *et al*, *Z. Naturforsch., B*, 1976, **31**, 153 (*cmr*)
Peterson, S.W. *et al*, *J. Phys. Chem.*, 1977, **81**, 466 (*cryst struct*)
Griffiths, W.R. *et al*, *Phosphorus Sulfur*, 1978, **5**, 101 (*ester, ms*)
Khan, R.A.A., *Experientia*, 1980, **36**, 1193 (*metab*)
Browning, J. *et al*, *Inorg. Chem.*, 1981, **20**, 3912 (*complexes*)
Menge, M. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1981, **314**, 218 (*ester, synth, pmr*)
Czekarski, T. *et al*, *J. Prakt. Chem.*, 1982, **324**, 537 (*esters, synth*)
Paul, G. *et al*, *Z. Chem.*, 1982, **22**, 307 (*ester, synth, pmr, cmr, nmr*)
Bottin-Strzalko, T. *et al*, *Phosphorus Sulfur*, 1985, **22**, 217 (*ir, raman, pmr, cmr, P nmr*)
Lang, G. *et al*, *Z. Anorg. Allg. Chem.*, 1986, **536**, 187 (*synth, ester*)

Methantheline(1+) M-00169

N,N-Diethyl-N-methyl-2-[(9H-xanthen-9-ylcarbonyl)-oxy]ethanaminium, 9CI. Diethyl(2-hydroxyethyl)-methylammoniumxanthene-9-carboxylate, 8CI. Banthine. Dixamone

[5818-17-7]



$C_{21}H_{26}NO_3^{\oplus}$ M 340.441 (ion)

Anticholinergic, parasympatholytic, antispasmodic and antiulcerogenic agent.

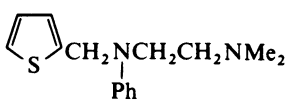
Bromide: [53-46-3]. *Methanthelinium bromide, BAN, INN. Methantheline bromide, USAN. Avagal. Metaxan. Gastrosedan. Banthine bromide. Asabaine. Gastron. Vagantan. Numerous other names.*
$C_{21}H_{26}BrNO_3$ M 420.345
Cryst. (2-propanol). Insol. Et_2O, sol. H_2O. Mp 175-176°.
▷BP7632500.

Hambourger, W.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 245 (*pharmacol*)
Berk, J.E., *Am. J. Med. Sci.*, 1951, **221**, 567 (*rev*)
Cusic, J.W. *et al*, *J. Org. Chem.*, 1951, **16**, 1921 (*synth*)
Mitchell, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1955, **114**, 63 (*metab*)
Yoshida, S. *et al*, *Chem. Pharm. Bull.*, 1955, **3**, 417 (*synth*)
Catanese, B. *et al*, *Pharmacol. Res. Commun.*, 1970, **2**, 83 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 391.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6255 (*synonyms*)

Methaphenilene, BAN, INN M-00170

N,N-Dimethyl-N′-phenyl-N′-(2-thienylmethyl)-1,2-ethanediamine, 9CI. N,N-*Dimethyl-N′-phenyl-N′-2-thenylmethylethylenediamine, 8CI*

[493-78-7]



$C_{15}H_{20}N_2S$ M 260.396

Antihistamine. Dark-yellow oil. d^{25} 1.590. Bp_7 183-185°.
▷KV4550000.

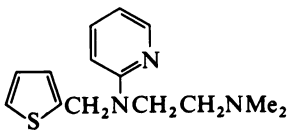
B,HCl: [7084-07-3]. *Diatrin. Enstamine. Nilhistin. Nilistine. RP 2740. W 50.* Sol. H_2O. Mp 186-187°.
▷KV4725000.

Leonard, F. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 2064 (*synth*)
Sternberg, T.H. *et al*, *J. Am. Med. Assoc.*, 1950, **142**, 969 (*pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Masumarra, G. *et al*, *J. Chromatogr. Sci.*, 1984, **22**, 538 (*chromatogr*)

Methapyrilene, BAN, INN **M-00171**

N,N-Dimethyl-N′-2-pyridinyl-N′-(2-thienylmethyl)-1,2-ethanediamine, 9CI. 2-[[(2-Dimethylamino)ethyl]-2-thenylamino]pyridine, 8CI. Thenylpyramine. Thenylene. Pyrathyn. Semikon. Dormin. Numerous other synonyms

[91-80-5]



$C_{14}H_{19}N_3S$ M 261.384

Antihistamine, sedative. d^{25} 1.58. Bp_3 173-175°, $Bp_{0.45}$ 125-135°. n_D^{25} 1.5842.

▷Carcinogenic. UT1400000.

B,HCl: [135-23-9]. *Histadyl. Several other proprietary names.* V. sol. H_2O. Mp 162°.

▷UT1750000.

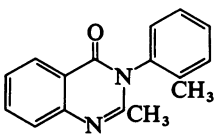
Fumarate: [33032-12-1]. *Histadyl fumarate.* Mp 135-136°.

Clapp, R.C. *et al, J. Am. Chem. Soc.*, 1947, **69**, 1549 (*synth*)
Botre, C. *et al, J. Med. Chem.*, 1969, **12**, 832 (*pharmacol*)
Fales, H.M. *et al, Arch. Mass Spectral Data*, 1971, **2**, 670 (*ms*)
Clark, G.R. *et al, J. Am. Chem. Soc.*, 1972, **94**, 4005 (*struct*)
Chang, C.-J. *et al, J. Pharm. Sci.*, 1976, **65**, 1019 (*nmr*)
Calandre, E.P. *et al, Clin. Pharmacol. Ther.*, 1981, **29**, 527 (*pharmacol*)
Lijinsky, W. *et al, Food Chem. Toxicol.*, 1984, **22**, 127 (*tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3247 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6146, 6147.

Methaqualone, BAN, USAN, INN **M-00172**

2-Methyl-3-(2-methylphenyl)-4(3H)-quinazolinone, 9CI. 2-Methyl-3-o-tolyl-4(3H)-quinazolinone, 8CI. Quaalude. Tuazole. Sopor. Numerous other synonyms

[72-44-6]



$C_{16}H_{14}N_2O$ M 250.299

Hypnotic, sedative. Mp 120°.

▷VA3850000.

B,HCl: [340-56-7]. *Parest. Numerous other proprietary names.* Mp 255-265°. Constituent of Mandrax.

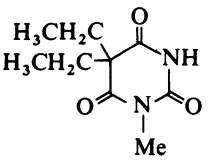
▷VA4025000.

Brown, S. *et al, Clin. Pharmacol. Ther.*, 1973, **14**, 314 (*pharmacol*)
Pfeifer, S. *et al, Pharmazie*, 1974, **29**, 765 (*ms*)
Patel, D.M. *et al, Anal. Profiles Drug Subst.*, 1975, **4**, 245 (*rev*)
Ager, I.R. *et al, J. Med. Chem.*, 1977, **20**, 379 (*synth*)
Manhas, M.S. *et al, Synthesis*, 1977, **5**, 309 (*synth*)
Cason, D. *et al, J. Forensic Sci.*, 1981, **26**, 793 (*spectra*)
Rimboeck, K.H. *et al, J. Chromatogr.*, 1985, **329**, 307 (*resoln*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3877 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4045, 4046.

Metharbitone, BAN **M-00173**

5,5-Diethyl-1-methyl-2,4,6-(1H,3H,5H)-pyrimidinetrione, 9CI. 5,5-Diethyl-1-methylbarbituric acid, 8CI. ***Metharbital, INN****. Metabarbital. Gemonil. Gemonit. Sch 412*

[50-11-3]



$C_9H_{14}N_2O_3$ M 198.221

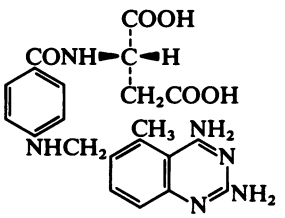
Anticonvulsant, antiepileptic. Cryst. (C_6H_6/pet. ether), needles (H_2O). Spar. sol. hot H_2O. Mp 154.5°. pK_{a1} 7.96, pK_{a2} 12.7.

▷CQ3675000.

Fischer, E. *et al, Justus Liebigs Ann. Chem.*, 1904, **335**, 334 (*synth*)
Snyder, J.A. *et al, J. Am. Chem. Soc.*, 1953, **75**, 1881 (*synth*)
Neville, G.A. *et al, Can. J. Chem.*, 1969, **47**, 743 (*pmr*)
Slesarev, V.I. *et al, J. Org. Chem. USSR*, 1970, **6**, 1319 (*uv, pmr*)
Sucharda-Sobczyk, A., *Rocz. Chem.*, 1970, **41**, 1435 (*ir*)
Maynert, E.W., *Antiepileptic Drugs*, 1972, Raven Press, N.Y., 303, 311 (*metab*)
Wunderlich, H., *Acta Crystallogr., Sect. B*, 1973, 168 (*cryst struct*)
Marozzi, F., *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Azada, S. *et al, Bull. Chem. Soc. Jpn.*, 1978, **51**, 3379 (*cmr*)
Jenny, C. *et al, Helv. Chim. Acta*, 1981, **64**, 1807 (*synth*)
Jones, L.V. *et al, Biomed. Mass Spectrom.*, 1981, **8**, 231 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4047.

Methasquin **M-00174**

N-[4-[[(2,4-Diamino-5-methyl-6-quinazolinyl)methyl]-amino]benzoyl]aspartic acid



(S)-form

$C_{21}H_{22}N_6O_5$ M 438.442

(S)-form [18921-70-5]

L-form. NSC 122870. SK 29836

Antineoplastic agent. Mp 269-271° dec.

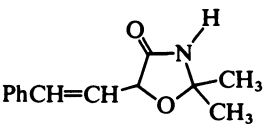
Di-Na salt: [18921-69-2]. Cryst. + $7H_2O$.

Davoll, J. *et al, J. Chem. Soc. (C)*, 1970, 997 (*synth*)
Rader, J.I. *et al, Cancer Res.*, 1971, **31**, 964 (*metab*)
Sirotnak, F.M. *et al, Cancer Res.*, 1975, **35**, 1737 (*pharmacol*)
Hynes, J.B. *et al, J. Med. Chem.*, 1977, **20**, 588 (*synth, pharmacol*)

Methastyridone, INN **M-00175**

2,2-Dimethyl-5-(2-phenylethenyl)-4-oxazolidinone, 9CI. 2,2-Dimethyl-5-styryl-4-oxazolidinone. MK 202

[721-19-7]



$C_{13}H_{15}NO_2$ M 217.267

Central stimulant. Cryst. (2-propanol). Mp 147.5-149°.

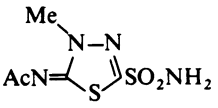
▷RQ2800000.

U.S.P., 3 129 222, (*1964*); *CA*, **61**, 3114h (*synth*)
Bicking, J.B. *et al*, *J. Med. Chem.*, 1965, **8**, 95 (*synth, pharmacol*)

Methazolamide, BAN, INN M-00176

N-(5-Aminosulfonyl)-3-methyl-1,3,4-thiadiazol-2(3H)-ylideneacetamide, 9CI. 5-Acetamido-4-methyl-2-sulfamoyl-1,3,4-thiadiazoline. Neptamox. Neptazane. CL 8490

[554-57-4]



$C_5H_8N_4O_3S_2$ M 236.263

Carbonic anhydrase inhibitor, antiepileptic drug. Cryst. (H_2O or by acid pptn.). Mp 213-214° dec. Teratogenic to chicken embryos.

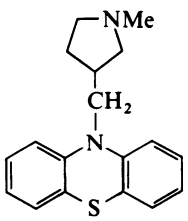
▷AC6350000.

Young, R.W. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 4649 (*synth, uv*)
Landauer, W. *et al*, *J. Embryol. Exp. Morphol*, 1968, **20**, 261 (*tox*)
Woodbury, D.M., *Antiepileptic Drugs*, 1972, Raven Press, N.Y., 465 (*metab*)
Barnish, I.T. *et al*, *J. Med. Chem.*, 1980, **23**, 117 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2347.

Methdilazine, BAN, INN, USAN M-00177

10-[(1-Methyl-3-pyrrolidinyl)methyl]-10H-phenothiazine, 9CI, 8CI

[1982-37-2]



$C_{18}H_{20}N_2S$ M 296.429

▷SP2975000.

(±)-form

Antipruritic, antihistamine. Mp 87-88°.

B,HCl: [1229-35-2]. *Methdilazine hydrochloride, USAN. Dilosyn. Disyncran. Tacaryl. Tacryl. Bristaline. MJ 5022.* Mp 187.5-189°.

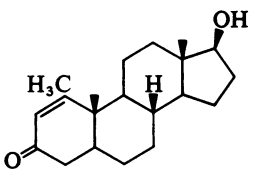
▷SP3150000.

Buchel, L. *et al*, *Therapie*, 1960, **15**, 1604 (*pharmacol*)
U.S.P., 2 945 855, (*1961*); *CA*, **55**, 2698 (*synth*)
Azzaro, M. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 1977 (*nmr*)
Sajerstein, R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Steinbrecher, K. *et al*, *J. Chromatogr.*, 1983, **260**, 463 (*chromatog*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6149.

Methenolone, BAN M-00178

17β-Hydroxy-1-methyl-5α-androst-1-en-3-one, 9CI

[153-00-4]



$C_{20}H_{30}O_2$ M 302.456

Anabolic steroid. Cryst. (isopropyl ether). Mp 149.5-152°. $[\alpha]_D$ +58.9° ($CHCl_3$).

Ac: [434-05-9]. *Methenolone acetate, USAN. Metenolone acetate, INN. Nibal. Primobolan. Primonabol. NSC 74226. SH 567. SQ 16496.*
$C_{22}H_{32}O_3$ M 344.493
Anabolic steroid. Mp 138-139° (isopropyl ether).

▷BV8408500.

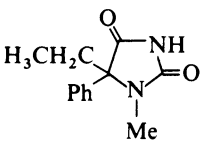
Heptanoyl: [303-42-4]. ***Methenolone enanthate, USAN.*** *Nibal injection. Primobolan-Depot. NSC 64967. SH 601. SQ 16374.*
$C_{27}H_{42}O_3$ M 414.627
Anabolic steroid.

Ger. Pat., 1 023 764, (*1960*); *CA*, **54**, 5756 (*synth*)
Weichert, T.R. *et al*, *Chem. Ber.*, 1960, **93**, 1710 (*synth*)
Kuhnert-Brandstaetter, *et al*, *Microchem. J.*, 1972, **17**, 719 (*props, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9069, 9070.

Methetoin, BAN, USAN M-00179

*5-Ethyl-1-methyl-5-phenyl-2,4-imidazolidinedione, 9CI. 5-Ethyl-1-methyl-5-phenylhydantoin, 8CI. 1-Methylnirvanol. **Metetoin, INN**. Deltoin. NSC 524411*

[5696-06-0]



$C_{12}H_{14}N_2O_2$ M 218.255

Anticonvulsant, antiepileptic. Mp 210°.

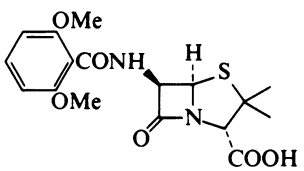
▷MU2100000.

Long, L.M. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 900 (*synth*)
Wolf, H.H. *et al*, *J. Pharm. Sci.*, 1962, **51**, 74 (*pharmacol*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12936.

Methicillin, BAN M-00180

*2,6-Dimethoxyphenylpenicillin. 6-(2,6-Dimethoxybenzamido)penicillanic acid. **Meticillin, INN**. Numerous proprietary names*

[61-32-5]



$C_{17}H_{20}N_2O_6S$ M 380.415

Semisynthetic penicillin. Parenteral antibiotic resistant to staphylococcal β-lactamase. pK_a 2.78 (25°, H_2O).

Na salt: [132-92-3]. *Methicillin sodium, USAN. Azapen. Celbenin. Staphcillin. BRL 1241. SQ 16123. X 1497. Antibiotic BRL 1241. Antibiotic SQ 16123. Antibiotic X 1497. Numerous other synonyms.* Cryst. + $1H_2O$ (Me_2CO). Sol. H_2O, EtOH. Mp 196-197° dec. $[\alpha]_D^{20}$ +230° (c, 5 in H_2O).

▷XH8950000.

Diethylaminoethyl ester: [56211-43-9]. ***Tameticillin, INN.*** *DAN 523.*

$C_{23}H_{33}N_3O_6S$ M 479.590

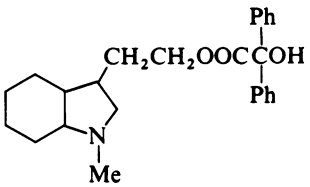
Antibiotic. Cryst. Mp 96-98°.

Doyle, F. *et al, J. Chem. Soc.*, 1962, 1453 (*synth*)
Glombitza, K. *et al, Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)
Ger. Pat., 2 531 144, (*1976*); *CA*, **84**, 135645 (*tameticillin*)
Paschal, J.W. *et al, J. Org. Chem.*, 1978, **43**, 2013 (*cmr, N nmr*)
Cheng, C.-J. *et al, J. Pharm. Sci.*, 1979, **68**, 64 (*cmr*)
Barker, M. *et al, Biomed. Mass Spectrom.*, 1982, **9**, 11 (*ms*)
Bose, A.K. *et al, J. Org. Chem.*, 1982, **47**, 4008 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4417 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 106.

Methindizate, BAN M-00181

2-(Hexahydro-1-methyl-3-indolinyl)ethyl benzilate, 8CI. ***Metindizate, INN***

[15687-33-9]



$C_{25}H_{31}NO_3$ M 393.525

Spasmolytic agent. Cryst. (EtOH). Mp 90-91°.

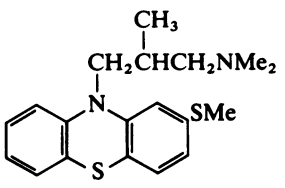
B,HCl: Mp 159-160°.

Ger. Pat., 1 154 481, (*1963*); *CA*, **60**, 1706g (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12938.

Methiomeprazine, INN M-00182

N,N,β-Trimethyl-2-(methylthio)-10H-phenothiazine-10-propanamine, 9CI. 10-[3-(Dimethylamino)-2-methylpropyl]-2-(methylthio)phenothiazine, 8CI

[13405-77-1]



$C_{19}H_{24}N_2S_2$ M 344.532

(−)-***form*** [1759-09-7]

Levomethiomeprazine, INN. *Phenaceda*

(±)-***form*** [7009-43-0]

SKF 6270. 7238 RP

Antiemetic, neuroleptic agent.

Cryst. Mp 88-89°. $Bp_{0.1}$ 218-221°.

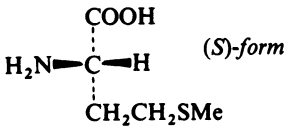
B,HCl: Cryst. (2-propanol). Mp 173-174°.

Picrate: Cryst. (EtOH). Mp 145°.

Craig, P.N., *J. Org. Chem.*, 1960, **25**, 944 (*synth, pharmacol*)
De Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)

Methionine, INN, 9CI M-00183

2-Amino-4-(methylthio)butanoic acid. 4-Methylmercapto-2-aminobutyric acid



(*S*)-*form*

$C_5H_{11}NO_2S$ M 149.207

(***R*)-form** [348-67-4]

D-form

$[\alpha]_D^{25}$ +8.12° (H_2O), −23.5° (1M HCl).

▷PD0455000.

N-*Ac: see N-Acetylmethionine, A-00036*

Me ester; B,HCl:

$C_6H_{13}NO_2S$ M 163.234

Mp 149-150°. $[\alpha]_D^{21}$ −26.3° (c, 5 in H_2O).

(***S*)-form** [63-68-3]

L-form

Obt. from hydrolysates of many proteins. Lipotropic, antiulcer agent and antidote. Mp 283° dec. $[\alpha]_D^{25}$ −6.87° (H_2O), +22.5° (1M HCl). *N*-Protected derivs. useful in peptide synth. are listed alphabetically elsewhere.

▷PD0457000.

N-*Formyl:*

$C_6H_{11}NO_3S$ M 177.218

Prod. by *Clostridium pasteurianum*, isol. from bee thoraxes. Cryst. (EtOH/pet. ether). Mp 98-99°. $[\alpha]_D^{25}$ −10° (H_2O).

N-*Ac: see N-Acetylmethionine, A-00036*

Methylsulphonium bromide: Mp 138-139° dec.

Me ester; B,HCl: Mp 150°. $[\alpha]_D^{19}$ +26.8° (c, 5 in H_2O).

Et ester; B,HCl: Mp 81-82°. $[\alpha]_D^{21}$ +18.7° (c, 2.2 in EtOH).

N-*Me*, S-*oxide:*

$C_6H_{13}NO_3S$ M 179.234

Isol. from red algae.

(±)-***form*** [59-51-8]

Racemethionine, USAN. *Petameth*

Urinary acidifier. Mp 281° dec. pK_{a1} 2.28, pK_{a2} 9.21.

▷PD0456000.

N-*Formyl:*

$C_6H_{11}NO_3S$ M 177.218

Cryst. (EtOAc). Mp 99-100°.

N-*Ac: see N-Acetylmethionine, A-00036*

N-*Benzoyl:*

$C_{12}H_{15}NO_3S$ M 253.315

Cryst. (EtOH aq.). Mp 143-145°.

Et ester:

$C_7H_{15}NO_2S$ M 177.261

Bp_{25} 112°.

N-*2,4-Dinitrophenyl:* Cryst. (Et_2O/pet. ether). Mp 117-118°.

S-*Oxide:*

$C_5H_{11}NO_3S$ M 165.207

Mp 225-230°.

Me ester; B,HCl: Mp 109-111°.

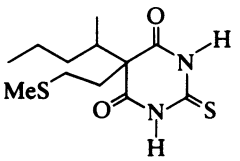
Org. Synth., 1934, **14**, 58 (*synth*)
Dekker, C.A. *et al, J. Biol. Chem.*, 1949, **180**, 155.
Brenner, M. *et al, Helv. Chim. Acta*, 1951, **34**, 2085.
Biochem. Prep., 1955, **4**, 80 (*oxide*)
Greenstein, J.P. *et al, Chemistry of the Amino Acids*, 1961, Wiley, N.Y., Vol. 3, 2125 (*rev*)
Torii, K. *et al, Acta Crystallogr., Sect. B*, 1973, **29**, 2799 (*cryst struct*)
Clandinin, M.T. *et al, Phytochemistry*, 1974, **13**, 585 (*biosynth*)

Oguri, T. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 167 (*synth*)
Stipanuk, M.H., *Annu. Rev. Nutr.*, 1986, **6**, 179 (*rev, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 605, 606.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 345.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1766.

Methitural, INN **M-00184**

Dihydro-5-(1-methylbutyl)-5-[2-(methylthio)ethyl]-2-thioxo-4,6(1H,5H)-pyrimidinedione, 9CI. *5-(1-Methylbutyl)-5-[2-(methylthio)ethyl]-2-thiobarbituric acid,* 8CI

[467-43-6]



$C_{12}H_{20}N_2O_2S_2$ M 288.422

Hypnotic, sedative, v. short acting anaesthetic. Mp 79-81°.

▷Addictive

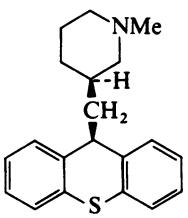
Na salt: [730-68-7]. *Thiogenal. Neraval. Am 109.* Hygroscopic, yellow cryst.

Brand, L. *et al*, *Med. Exp.*, 1959, **1**, 339 (*pharmacol*)
Macek, K., *Arch. Pharm. (Weinheim, Ger.)*, 1960, **293**, 545 (*chromatog*)
Vinokurova, N.M. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 1085 (*synth*)
Preuss, F.R. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 858 (*metab*)
De Zeeuw, R.A. *et al*, *Pharm. Weekbl.*, 1969, **104**, 901 (*tlc*)

Methixene, BAN **M-00185**

1-Methyl-3-(9H-thioxanthen-9-ylmethyl)piperidine, 9CI. *9-(N-Methyl-3-piperidylmethyl)thioxanthene.* ***Metixene, INN***

[4969-02-2]



Relative configuration (?)

$C_{20}H_{23}NS$ M 309.468

▷TN1941000.

(±)-*form*

Used in treatment of Parkinsonism. Smooth muscle relaxant. Mp 66-75°.

B,HCl: [1553-34-0]. *Methixene hydrochloride,* USAN. *Metixene hydrochloride,* JAN. *Methixart. CholinFall. Tremonil. Trest. NSC 78194.* Cryst. + $1H_2O$. Mp 217°.

▷TN1944000.

S,S-*Dioxide:*

$C_{20}H_{23}NO_2S$ M 341.467

Prisms. Mp 192-195°.

U.S.P., 2 905 590, (*1960*); *CA*, **54**, 5699 (*synth*)
Schindler, O. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1097 (*derivs*)
Lehner, H. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 89, 92 (*metab*)
Chu, S.S.C., *Acta Crystallogr. Sect. B*, 1972, **28**, 3625 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5712 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 392.

Methocidin, INN **M-00186**

Hydroxymethylgramicidin. Argicilline

[1407-05-2]

Antibiotic useful for infections of the mouth.

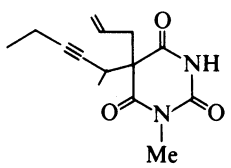
▷PD1056000.

Olcott, H.S. *et al*, *Arch. Biochem.*, 1946, **10**, 553 (*props*)
Edwards, B.G., *Arch. Biochem.*, 1949, **29**, 103 (*uv*)
Moreau, H. *et al*, *Bull. Soc. Chim. Biol.*, 1949, **31**, 1062 (*salts*)
French Pat., 2 322 853, (*1977*); *CA*, **88**, 11933 (*synth*)

Methohexitone, BAN **M-00187**

1-Methyl-5-(1-methyl-2-pentynyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. *5-Allyl-1-methyl-5-(1-methyl-2-pentynyl)barbituric acid,* 8CI. ***Methohexital,*** *INN, USAN. Methoxital. Metoesital*

[151-83-7]



$C_{14}H_{18}N_2O_3$ M 262.308

Anaesthetic (short acting). Mp 140-143°. Mainly used as sodium salt.

Na salt: [309-36-4]. *Methohexital sodium,* USAN. *Brietal. Brevane. Brevital.* Sol. H_2O. Mp 60-64°. May be addictive.

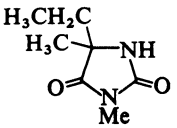
▷CQ0400000.

U.S.P., 2 872 448, (*1959*); *CA*, **53**, 13185e (*synth*)
Elchlepp, F., *Anaesthesiol. Wiederbeleb.*, 1972, 109 (*rev, pharmacol*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Gifford, L.A. *et al*, *Anal. Chem.*, 1974, **46**, 94 (*uv*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Jones, L.V. *et al*, *Biomed. Mass Spectrom.*, 1981, **8**, 231 (*ms*)
Rothchild, R. *et al*, *Spectrochim. Acta, Part A*, 1984, **40**, 881 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3115, 3116.

Methoin, BAN **M-00188**

5-Ethyl-3-methyl-5-phenyl-2,4-imidazolidinedione, 9CI. *5-Ethyl-3-methyl-5-phenylhydantoin,* 8CI. ***Mephenytoin,*** *USAN, INN. Mesantoin. Mesontoin. 3-Methylnirvanol. Sedantoinal. Numerous other synonyms*

[50-12-4]



$C_{12}H_{14}N_2O_2$ M 218.255

▷MU2275000.

(±)-*form* [74007-05-9]

Anticonvulsant, antiepileptic. Mp 136-137°.

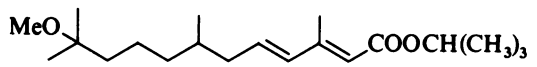
Ger. Pat., 611 057, (*1935*); *CA*, **29**, 4025 (*synth*)
Wolf, H.H. *et al*, *J. Pharm. Sci.*, 1962, **51**, 74 (*pharmacol*)
Elliott, T.H. *et al*, *J. Pharm. Pharmacol.*, 1967, **19**, 209 (*ir*)
Coombs, R.A., *Arch. Mass Spectral Data*, 1971, **2**, 752 (*ms*)
Arsenault, M.A. *et al*, *Appl. Spectrosc.*, 1974, **28**, 197 (*pmr*)

Marozzi, E., *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Knabe, J. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1980, **313**, 583; 1982, **315**, 977 (*synth, cd, ord*)
Lisgarten, J.N. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2345 (*cryst struct*)
Poupaert, J.H. *et al*, *Bull. Soc. Chim. Belg.*, 1985, **94**, 431 (*synth*)
Yang, Z.Y. *et al*, *J. Chromatogr.*, 1985, **324**, 449 (*resoln*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2330 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6613.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 896.

Methoprene, INN M-00189

11-Methoxy-3,7,11-trimethyl-2,4-dodecadienoic acid 1-methylethyl ester, 9CI. Isopropyl 11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate

[36557-27-4]



$C_{19}H_{34}O_3$ M 310.476

(±)-(*E,E*)-form [40596-69-8]

Acclaim Flea Control. Altocid. Altosid. Cevrin. Pharorid. Precor. ZR 515

Juvenile hormone mimic. Insecticide. Uterine relaxant. $Bp_{0.06}$ 135-136°. Opt. active forms also known.

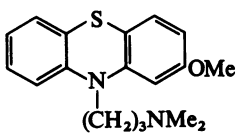
▷JR1685000.

Henrick, C.A., *J. Agric. Food Chem.*, 1973, **21**, 354; 1976, **24**, 207; 1978, **26**, 342 (*synth, use*)
Henrick, C.A. *et al*, *J. Org. Chem.*, 1975, **40**, 1 (*synth*)
Quistad, G.B. *et al*, *CA*, 1975, **83**, 173846v (*metab*)
U.S.P., 3 912 815, (*1975*); *CA*, **84**, 31274f (*synth*)
Dunham, L.L. *et al*, *Org. Mass Spectrom.*, 1976, **11**, 1120 (*ms*)
Nishi, M. *et al*, *Oyo Yakuri*, 1976, **11**, 293 (*pharmacol*)
Patterson, J.W., *J. Insect Physiol.*, 1979, **25**, 399 (*use*)
Novak, L. *et al*, *Justus Liebigs Ann. Chem.*, 1982, 1173 (*synth*)
Baan, G. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4261 (*synth*)
Thakkar, V.M. *et al*, *Pesticides*, 1986, **20**, 11, 14 (*rev, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3592.

Methopromazine, INN M-00190

2-Methoxy-N,N-dimethyl-10H-phenothiazine-10-propanamine, 9CI. Methoxypromazine. Vetamozine. Neoproma. CL 22373. FI 5631

[61-01-8]



$C_{18}H_{22}N_2OS$ M 314.445

Antipsychotic agent. Cryst. Mp 44-48°.

▷SO7600000.

Maleate: [3403-42-7]. *Tentone. Mopazine.* Cryst. Mp 141-145°. Dec. by light.

▷SO7700000.

Oxalate: Cryst. Dec. at 178-9°.

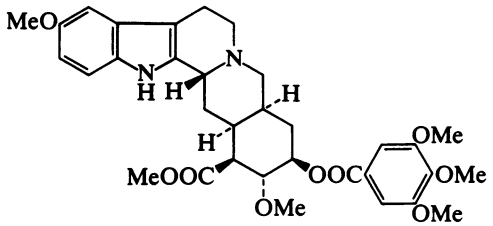
Picrate: Reddish cryst. Mp 141-142°.

Charpentier, P. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1952, **235**, 59 (*synth*)
B.P., 789 276, (*1958*); *CA*, **52**, 11966 (*synth*)
Marsau, P. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 992 (*cryst struct*)
Kreyenbuehl, B. *et al*, *Pharm. Acta Helv.*, 1979, **54**, 197 (*uv, ir, pmr*)

Methoserpidine, INN, BAN M-00191

10,17-Dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-yohimban-16-carboxylic acid methyl ester. 10-Methoxy-deserpidine. Neoserpin. R 694. Resertene. Decaserpyl

[865-04-3]



$C_{33}H_{40}N_2O_9$ M 608.687

Antihypertensive agent. Cryst. (MeOH). Mp 171°. $[\alpha]_D^{20}$ −142° (c, 0.5 in $CHCl_3$).

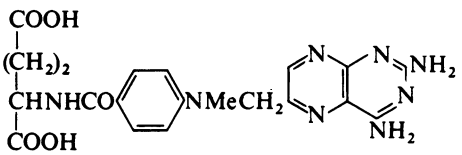
▷ZG0525000.

B.P., 888 407, (*1962*); *CA*, **73**, 15065f
Forrester, T.M. *et al*, *Lancet*, 1967, 7482 (*pharmacol*)
Ben-David, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **171**, 274 (*pharmacol*)

Methotrexate, BAN, USAN, INN M-00192

N-[*4-[[2,4-Diamino-6-pteridinyl)methyl]-methylamino]benzoyl]glutamic acid, 9CI. 4-Amino-N^{10}-methylfolic acid. Amethopterin. CL 14377. Extexate. Methylaminopterin. Mexate. NSC 740. Other synonyms*

[59-05-2]



$C_{20}H_{22}N_8O_5$ M 454.444

▷MA1225000.

(*S*)-form

L-form

Synthetic folic acid antagonist. Antineoplastic agent, antipsoriasis drug. Monohydrate. Mp 185-204°. $[\alpha]_D^{21}$ +20.4° (c, 1 in 0.1*M* NaOH).

Di-Et ester: [43170-88-3]. Mp 132-135°.

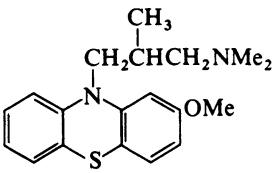
(±)-form

Cryst. (dil. HCl). Sol. alkalis. Mp 185-204° dec.

Seeger, D.R. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1753 (*synth, uv*)
Pastore, E.J., *Ann. N.Y. Acad. Sci.*, 1971, **186**, 43 (*pmr*)
Piper, J.R. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 279 (*synth*)
Chamberlain, A.R. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 283 (*anal*)
Hambley, T.W. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 2103 (*cryst struct*)
Cheung, H.T. *et al*, *Heterocycles*, 1987, **25**, 507 (*synth*)
Matherly, L.H. *et al*, *Pharmacol. Ther.*, 1987, **35**, 27 (*rev, metab, pharmacol*)
Faupel, P. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1988, **27**, 423 (*uv, cd, conformn*)
Rahman, L.K. *et al*, *Med. Res. Rev.*, 1988, **8**, 95 (*rev, chem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1845.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5672.

Methotrimeprazine, BAN, USAN M-00193

2-Methoxy-N,N,β-trimethyl-10H-phenothiazine-10-propanamine, 9CI. Veractil. 10-(3-Dimethylamino-2-methylpropyl)-2-methoxyphenothiazine, 8CI



$C_{19}H_{24}N_2OS$ M 328.471

(−)-form [60-99-1]

Levomepromazine, INN. *Levoprome*

Analgesic, tranquilliser. Mp 103°. $Bp_{0.15}$ 182-191°.

Maleate: [7104-38-3]. *Neuractil. Minozinan. Numerous other synonyms.* Cryst. darkened by light. Mp 190° dec. $[\alpha]_D^{20}$ −17° (c, 5 in $CHCl_3$).

B,HCl: [1236-99-3]. Mp 90°.

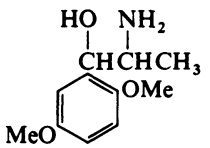
▷SO6150000.

U.S.P., 2 837 518, (*1958*); *CA*, **52**, 16383 (*synth, deriv*)
Audier, L. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 1013 (*ms*)
Azzaro, M. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 1977 (*pmr*)
Foche, J. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 3220 (*rev*)
de Leenheer, A., *J. Chromatogr.*, 1972, **74**, 35 (*ir, chromatog*)
de Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Ryhage, R. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 615 (*ms*)
Hough, E. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2424 (*cryst struct*)
Helle, N. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 964 (*conform*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5361 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7068, 7069, 7070.

Methoxamine, INN, BAN M-00194

α-(1-Aminoethyl)-2,5-dimethoxybenzenemethanol, 9CI. α-(1-Aminoethyl)-2,5-dimethoxybenzyl alcohol, 8CI. 2-Amino-1-(2,5-dimethoxyphenyl)propanol. Aerodrine. Idasal. Jephamethoxine. Methoxamedrine. Mexan. Nasodrine. Pressomin. Vasosterol. Vasoxine. Vasoxyl. Vasylox

[390-28-3]



$C_{11}H_{17}NO_3$ M 211.260

Vasoconstrictor, adrenergic agent.

▷DN3870000.

(−)-form [13699-29-1]

B,HCl: [16122-04-6]. $[\alpha]_D^{25}$ −27.9° (c, 3 in H_2O).

(±)-form [390-28-3]

B,HCl: [61-16-5]. *Methoxamine hydrochloride, USAN.* V. sol. H_2O, insol. Et_2O, C_6H_6, $CHCl_3$. Mp 212-216°.

▷DN4025000.

U.S.P., 2 359 707, (*1944*); *CA*, **39**, 1511 (*synth*)
Karim, S.M.M., *Br. J. Pharmacol.*, 1965, **24**, 365 (*pharmacol*)
Thompson, W.E. *et al*, *J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Baltzly, R. *et al*, *J. Med. Chem.*, 1968, **11**, 833 (*deriv, synth*)
Gabrielsen, M.V. *et al*, *Acta Chem. Scand., Ser. A*, 1974, **28**, 1162 (*cryst struct*)
Fujita, M. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 4629 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2080.

4-Methoxyaniline M-00195

4-Methoxybenzenamine, 9CI. p-*Anisidine, 8CI.* p-*Aminophenol methyl ether.* p-*Aminoanisole*

[104-94-9]

C_7H_9NO M 123.154

Cryst. Mp 57°. Bp 246°. pK_a 8.82 (25°).

▷V. highly toxic by inhalation and skin contact, TLV (skin) 0.5. BZ5450000.

N-*Ac:* [51-66-1]. p-*Acetanisidide.* ***Methacetin.*** N-(*4-Methoxyphenyl*)*acetamide, 9CI.*
$C_9H_{11}NO_2$ M 165.191
Antipyretic, antineuralgic. Plates (H_2O). Mp 130-132°. $Bp_{0.5}$ 84-89°.

▷AE8290000.

N-*Me:* [5961-59-1]. *4-Methoxy-N-methylaniline.*
$C_8H_{11}NO$ M 137.181
Cryst. (pet. ether). Mp 40°. Bp_{19} 135-136°.

Mann, F.G. *et al*, *J. Chem. Soc.*, 1957, 3352 (*deriv*)
Grillot, G.F. *et al*, *J. Org. Chem.*, 1959, **24**, 1035 (*deriv*)
Staskun, B. *et al*, *J. Chem. Soc.* (*C*), 1966, 531.
Ho, T.L., *Synthesis*, 1974, 45 (*synth*)
Du Plessis, M.P. *et al*, *J. Org. Chem.*, 1982, **47**, 2313 (*cryst struct*)
Iizuka, K. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 2560 (*synth, deriv*)
Watanabe, Y. *et al*, *J. Org. Chem.*, 1984, **49**, 4451 (*synth, deriv, ir, pmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 381.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 184.

2-Methoxybenzoic acid, 9CI M-00196

o-*Anisic acid, 8CI. Salicylic acid methyl ether*

[579-75-9]



$C_8H_8O_3$ M 152.149

Antiseptic, antipyretic. Plates (H_2O). Mp 106°. pK_a 4.09, 5.52.

Me ester: [606-45-1].
$C_9H_{10}O_3$ M 166.176
Bp 228°, Bp_{11} 127-127.5°.

Et ester: [7335-26-4].
$C_{10}H_{12}O_3$ M 180.203
Bp_{732} 246-248°, Bp_{12} 135-136°.

Chloride: [21615-34-9].
$C_8H_7ClO_2$ M 170.595
Bp 254°, Bp_{11} 128°.

Amide: [2439-77-2].
$C_8H_9NO_2$ M 151.165
Plates (H_2O). Mp 129°.

▷CV5460000.

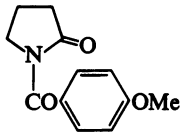
Nitrile: [6609-56-9]. *1-Cyano-2-methoxybenzene. 2-Cyanoanisole.*
C_8H_7NO M 133.149
Mp 24.5°. Bp_{18} 140°, Bp_6 114°.

v. Auwers, K., *Justus Liebigs Ann. Chem.*, 1915, **408**, 212 (*synth*)
Dippy, J.F.J. *et al*, *J. Chem. Soc.*, 1937, 1426 (*synth*)
v. Meurs, F. *et al*, *J. Organomet. Chem.*, 1977, **142**, 299.
Brunet, J.-J. *et al*, *Tetrahedron Lett.*, 1981, **22**, 1013 (*synth*)
Parvez, M. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 2243 (*cryst struct*)

1-(4-Methoxybenzoyl)-2-pyrrolidinone, 9CI M-00197

1-p-Anisoyl-2-pyrrolidinone. ***Aniracetam,*** *INN,* ***USAN.*** *Ro 13-5057*

[72432-10-1]



$C_{12}H_{13}NO_3$ M 219.240

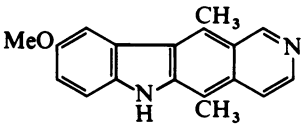
Mental performance enhancer, nootropic. Cryst. (EtOH). Mp 121-122°.

Eur. Pat., 5 143, (*1979*); *CA*, **92**, 41755t (*synth, pharmacol*)
Kubota, A. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1982, **620**, 96 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16511.

9-Methoxyellipticine M-00198

9-Methoxy-5,11-dimethylpyrido[4,3-b]carbazole

[10371-86-5]



$C_{18}H_{16}N_2O$ M 276.337

Alkaloid from *Ochrosia* spp., *Excavatia coccinea* and *Bleekeria vitiensis* (Apocynaceae). Orally active anticancer agent. Powerful inhibitor of DNA synthesis (intercalating agent). Undergoing clinical trials (1985). Mp 286-287° dec.

▷Mutagenic. UU8840000.

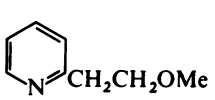
B,HCl: Mp 288-290° (cryst. transition at 255-265°).
Picrate: Mp 273-275°.
1,2-Dihydro: [41628-51-7]. ***1,2-Dihydro-9-methoxyellipticine.***
$C_{18}H_{18}N_2O$ M 278.353
Alkaloid from the leaves of *O. balansae* (Apocynaceae).
1,2,3,4-Tetrahydro: [41628-52-8]. ***1,2,3,4-Tetrahydro-9-methoxyellipticine.***
$C_{18}H_{20}N_2O$ M 280.369
Alkaloid from the leaves of *O. balansae* (Apocynaceae).

Goodwin, S. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1903 (*isol, uv*)
Dalton, L.K. *et al*, *Aust. J. Chem.*, 1967, **20**, 2715 (*synth, pmr*)
Bruneton, J. *et al*, *Ann. Pharm. Fr.*, 1972, **30**, 629 (*derivs*)
Rousselle, D. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1977, **284**, 377 (*synth*)
Ahond, A. *et al*, *Tetrahedron*, 1978, **34**, 2385 (*cmr*)
Miller, R.B. *et al*, *J. Org. Chem.*, 1983, **48**, 886 (*synth, pmr*)
Suffness, M. *et al*, *Alkaloids (N.Y.)*, 1985, **25**, 116 (*rev, pharmacol*)

2-(2-Methoxyethyl)pyridine, 9CI, 8CI M-00199

Methyridine, ***BAN.*** *Metyridine, INN. Dekelmin. Farmintic. Mintic. Promintic*

[114-91-0]



$C_8H_{11}NO$ M 137.181

Anthelmintic. Sweet smelling liq. V. sol. H_2O. Bp_{17} 94-96°. pK_a 5.5. n_D^{20} 1.4975.

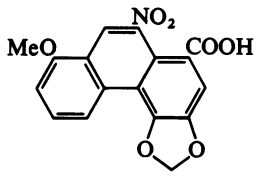
▷UT5075000.

B.P., 889 748, (*1962*); *CA*, **56**, 15490 (*synth*)
Eyre, P., *J. Pharm. Pharmacol.*, 1970, **22**, 26 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12952.

8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid M-00200

8-Methoxy-6-nitrophenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid, 9CI. ***Aristolochic acid I.*** *Aristolochic acid A. Aristolochic acid. Isoaristolochic acid. Aristolochin. Aristinic acid. Aristolochia yellow. TR 1736*

[313-67-7]



$C_{17}H_{11}NO_7$ M 341.276

Alkaloid from a wide range of *Aristolochia* spp. Also found in the Chinese drug Fang-chi, *Asarum canadense* var. *reflexum*, *Bragantia wallichii*, and in the butterflies *Pachlioptera aristolochiae* and *Battus archidamas* (Aristolochiaceae). Tumour inhibitor. Cryst. (DMF/EtOH, EtOH or MeOH/Et_2O). Mp 281-286° dec. (271-273°, 275-278°). H_2SO_4 → green colour. λ_{max} 250 (ϵ 27000), 318 (12000) and 390 nm (6500).

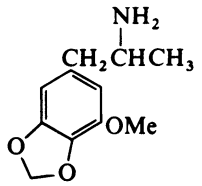
Me ester: [1169-60-4]. ***Methyl aristolochate.***
$C_{18}H_{13}NO_7$ M 355.303
Alkaloid from roots of *A. indica* and *A. argentina* (Aristolochiaceae). Yellow needles ($CHCl_3$/MeOH), cryst. ($CHCl_3$). Mp 285-286° (281-282°).

Krishnaswamy, P.R. *et al*, *J. Indian Chem. Soc.*, 1935, **12**, 476 (*isol*)
Munjunath, B.L. *et al*, *J. Indian Chem. Soc.*, 1938, **15**, 646 (*isol*)
Pailer, M. *et al*, *Monatsh. Chem.*, 1956, **87**, 249; 1957, **88**, 367 (*isol, ir, uv, struct*)
Doskotch, R.W. *et al*, *Lloydia*, 1967, **30**, 141 (*isol*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1968, **33**, 3735 (*isol, pmr*)
v. Euw, J. *et al*, *Israel J. Chem.*, 1968, **6**, 659 (*isol, ms*)
Comer, F. *et al*, *Can. J. Chem.*, 1969, **47**, 481 (*isol, biosynth*)
Priestap, H.A. *et al*, *Anal. Asoc. Quim. Arg.*, 1971, **59**, 245; *CA*, **76**, 43943w (*isol, uv, ir*)
Pakrashi, S.C. *et al*, *Phytochemistry*, 1977, **16**, 1103 (*isol, ir, ms, struct, ester*)
Nakanishi, T. *et al*, *Phytochemistry*, 1982, **21**, 1759 (*pmr, ester*)
Priestap, H.A. *et al*, *Phytochemistry*, 1982, **21**, 2755 (*isol, ester*)
De Pascual Teresa, J. *et al*, *Phytochemistry*, 1983, **22**, 2745 (*isol, ir, pmr, ms, synth*)
Urzúa, A. *et al*, *Collect. Czech. Chem. Commun.*, 1983, **48**, 1513 (*isol, uv, pmr, ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12391.

1-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propylamine M-00201

3-Methoxy-α-methyl-4,5-methylenedioxybenzeneethanamine, 9CI. 3-Methoxy-α-methyl-4,5-methylenedioxyphenethylamine, 8CI. 3-Methoxy-4,5-methylenedioxyamphetamine. MMDA. Ecstasy

[13674-05-0]



$C_{11}H_{15}NO_3$ M 209.244

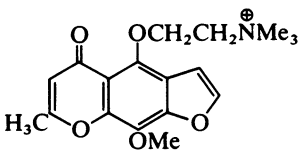
Powerful psychotropic agent.

▷SH8750000.

Shulgin, A.T. *et al*, *Nature* (*London*), 1969, **221**, 537 (*pharmacol*)

[2-[(9-Methoxy-7-methyl-5-oxo-5*H*-furo[3,2-*g*][1]benzopyran-4-yl)oxy]ethyl]-trimethylammonium(1+) M-00202

2-[(9-Methoxy-7-methyl-5-oxo-5H-furo[3,2-g][1]-benzopyran-4-yl)oxy]-N,N,N-trimethylethanaminium, 9CI



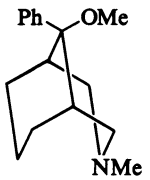
$C_{18}H_{22}NO_5^{\oplus}$ M 332.376 (ion)

Theophylline salt: [17243-56-0]. ***Visnafylline, INN.*** *Kello Fylline. KCT.* Coronary vasodilator. Mp 191-192°.

Czech. Pat., 98 139, (*1961*); *CA*, **56**, 474d (*synth*)

Dell'Omodarme, G. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1961, **37**, 444; *CA*, **61**, 3570a (*pharmacol*)

9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane, 8CI M-00203



$C_{16}H_{23}NO$ M 245.364

▷CL5494980.

syn-form [15378-99-1]

Anazocine, INN

Analgesic, antiinflammatory agent. Mp 73-74.5°.

▷CL5494980.

Citrate: [21650-02-2]. Mp 207°.

▷CL5495000.

Oida, S. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 1418 (*synth*)

B.P., 1 142 415, (*1969*); *CA*, **70**, 68190n (*synth, pharmacol*)

Yoshida, A. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1014 (*synth, pharmacol*)

Froimowitz, M. *et al*, *J. Comput. Chem.*, 1984, **5**, 291 (*struct*)

1-Methoxy-2-methylpropane, 9CI M-00204

Isobutyl methyl ether, 8CI

[625-44-5]

$(H_3C)_2CHCH_2OMe$

$C_5H_{12}O$ M 88.149

Has anaesthetic props. Liq. Bp_{741} 59°.

R*Agric. Biol. Chem*, J., *J. Prakt. Chem.*, 1912, **86**, 318 (*synth*)

Shikhmamedbekova, A.Z. *et al*, *CA*, 1972, **76**, 13306 (*ms*)

Bagdasaryan, G.B. *et al*, *CA*, 1978, **88**, 89029 (*synth*)

Nunan, J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 676 (*synth*)

2-Methoxy-2-methylpropyl isocyanide M-00205

1-Isocyano-2-methoxy-2-methylpropane, 9CI

[109434-22-2]

$CNCH_2C(CH_3)_2OMe$

$C_6H_{11}NO$ M 113.159

Bp_{25} 56-59°.

Hexakis Tc complex (1+): [113720-90-4]. ***Technetium sestamibi, BAN, INN.***

$C_{36}H_{66}N_6O_6Tc^{\oplus}$ M 776.954 (ion)

^{99m}Tc-labelled complex is used as a cardiac perfusion radiopharmaceutical (Cardiolite).

English, R.J. *et al*, *J. Nucl. Med. Technol.*, 1987, **15**, 138 (*pharmacol*)

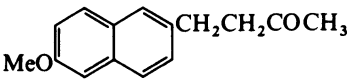
Eur. Pat., 233 368, (*1987*); *CA*, **108**, 164179 (*synth*)

Okada, R.D. *et al*, *Circulation*, 1988, **77**, 491 (*pharmacol*)

4-(6-Methoxy-2-naphthalenyl)-2-butanone, 9CI M-00206

Nabumetone, BAN, INN, USAN. *Relifex*

[42924-53-8]



$C_{15}H_{16}O_2$ M 228.290

Antiinflammatory drug. Mp 80-81°.

Chatterjea, J.N. *et al*, *Indian J. Chem.*, 1973, **11**, 214 (*synth*)

Goudie, A.C. *et al*, *J. Med. Chem.*, 1978, **21**, 1260 (*synth, pharmacol*)

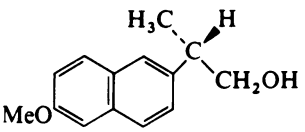
Mangon, F.R., *Int. Congr. Symp. Ser.-R. Soc. Med.*, 1985, 69 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12990.

2-(6-Methoxy-2-naphthyl)-1-propanol M-00207

6-Methoxy-β-methyl-2-naphthaleneethanol, 9CI, 8CI. ***Naproxol, USAN, INN***

[27743-00-6]



$C_{14}H_{16}O_2$ M 216.279

(***S*)-form** [26159-36-4]

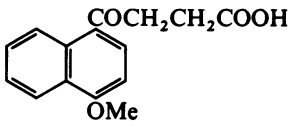
Analgesic, antipyretic. Mp 88-89°. $[\alpha]_D$ −18° ($CHCl_3$).

Harrison, I.T. *et al*, *J. Med. Chem.*, 1970, **13**, 203 (*synth, resoln, pharmacol*)

4-Methoxy-γ-oxo-1-naphthalenebutanoic acid, 9CI M-00208

3-(4-Methoxy-1-naphthoyl)propionic acid, 8CI. ***Menbutone, BAN, INN.*** *Naftobil*

[3562-99-0]



$C_{15}H_{14}O_4$ M 258.273

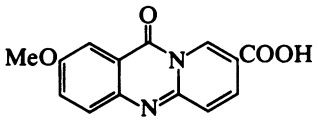
Choleretic drug. Mp 172-173°.

Burtner, R.R. *et al, J. Am. Chem. Soc.*, 1951, **73**, 897 (*synth*)
Vanlerenberghe, J. *et al, C. R. Seances Soc. Biol. Ses Fil.*, 1960, **154**, 728 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12927.

2-Methoxy-11-oxo-11*H*-pyrido[2,1-*b*]-quinazoline-8-carboxylic acid, 9CI M-00209

Ro 21-7634

[63094-36-0]



$C_{14}H_{10}N_2O_4$ M 270.244

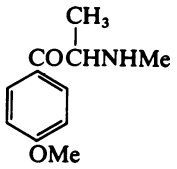
Antiallergic agent. Cryst. (py). Mp 328-330°.

Schwender, C.F. *et al, J. Med. Chem.*, 1979, **22**, 748 (*synth, pharmacol*)
Strojny, N. *et al, J. Chromatogr.*, 1979, **179**, 311 (*hplc*)
Colburn, W.A. *et al, Drugs Exp. Clin. Res.*, 1981, **7**, 609 (*props*)

Methoxyphedrine, INN M-00210

1-(4-Methoxyphenyl)-2-methylamino-1-propanone, 9CI. 4'-Methoxy-2-methylaminopropiophenone, 8CI

[530-54-1]



$C_{11}H_{15}NO_2$ M 193.245

(±)-form

Vasoconstrictor, sympathomimetic agent.

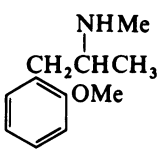
B,HCl: Mp 196-197°.

Lespajnol, A. *et al, Bull. Soc. Pharm. Lille*, 1954, 45 (*synth*)
Mercier, J. *et al, Arch. Int. Pharmacodyn.*, 1959, **122**, 394 (*pharmacol*)

Methoxyphenamine, BAN, INN M-00211

2-Methoxy-N,α-dimethylbenzeneethanamine, 9CI. 1-(2-Methoxyphenyl)-2-methylaminopropane. Orthoxine. O-Methoxy-N,α-dimethylphenethylamine, 8CI

[93-30-1]



$C_{11}H_{17}NO$ M 179.261

(±)-form

Adrenergic drug. Sympathomimetic, bronchodilator. Oil. Bp_2 97-99°.

B,HCl: [5588-10-3]. *Methoxyphenamine hydrochloride, USAN.* Bitter cryst. Sol. H_2O, EtOH, $CHCl_3$. Mp 129-131°. Component of Orthoxicol.

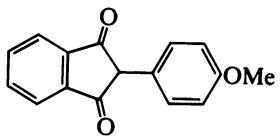
▷SH8050000.

Heinzelmann, R.V., *J. Am. Chem. Soc.*, 1953, **75**, 921 (*synth*)
Hanna, C., *Arch. Int. Pharmacodyn.*, 1961, **134**, 426 (*pharmacol*)
Sinsheimer, J.E. *et al, J. Pharm. Sci.*, 1966, **55**, 1240 (*ir*)
Neville, G.A. *et al, J. Med. Chem.*, 1971, **14**, 717 (*deriv, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2081.

2-(4-Methoxyphenyl)-1,3-indanedione M-00212

2-(4-Methoxyphenyl)-1H-indene-1,3(2H)-dione, 9CI. ***Anisindione, BAN, INN.*** *Miradon. 2-p-Anisyl-1,3-indandione*

[117-37-3]



$C_{16}H_{12}O_3$ M 252.269

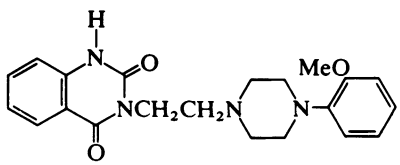
Anticoagulant. Mp 153-154°.

▷NK5775300.

Horeau, A. *et al, Bull. Soc. Chim. Fr.*, 1948, 53.
Molho, D. *et al, C.R. Hebd. Seances Acad. Sci.*, 1961, **252**, 336 (*pharmacol*)
Perjessy, A. *et al, Tetrahedron*, 1971, **27**, 6154 (*nmr*)
Pisarenko, L.M. *et al, Dokl. Akad. Naur. SSSR*, 1973, **213**, 638 (*nmr*)
Murthy, A.R. *et al, J. Med. Chem.*, 1985, **28**, 1591 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4805.

3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]-ethyl -2,4(1*H*,3*H*)quinazolinedione M-00213

[88068-67-1]



$C_{21}H_{24}N_4O_3$ M 380.446

Shows potent and long-lasting hypertensive activity. α_1-Adrenoceptor antagonist.

B,HCl: [88068-72-8]. *SGB 1534.* Cryst. Mp 217-218°.

Eur. Pat., 89 065, (*1983*); *CA*, **100**, 6547p (*synth*)
Mannhold, R., *Drugs Future*, 1985, **10**, 993 (*rev*)
Sakai, K. *et al, Arch. Int. Pharmacodyn. Ther.*, 1985, **277**, 104, 119, 126.
Nagatano, T. *et al, Chem. Pharm. Bull.*, 1988, **36**, 1122 (*pharmacol*)

1-Methoxypropane, 9CI M-00214

Methyl propyl ether. Neothyl. Metopryl

[557-17-5]



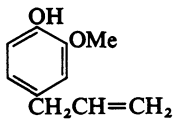
$C_4H_{10}O$ M 74.122

Anaesthetic. d_4^{13} 0.736. Bp 39.14°. n_D^{14} 1.3602.
▷Highly flammable, flash p. <−20°. KO2280000.
Bennet, G.M. *et al*, *J. Chem. Soc.*, 1928, 1930 (*synth*)
Kudchadkev, A.P. *et al*, *Tex. J. Sci.*, 1969, **20**, 367 (*props*)
Shimanouchi, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1976, **49**, 2999 (*ir*)
Delseth, C. *et al*, *Helv. Chim. Acta*, 1978, **61**, 1327 (*nmr*)
DiPaolo, T., *J. Pharm. Sci.*, 1978, **67**, 564 (*use*)
Bowen, R.D. *et al*, *Org. Mass Spectrom.*, 1984, **19**, 379 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 831.

2-Methoxy-4-(2-propenyl)phenol, 9CI M-00215

1-Allyl-4-hydroxy-3-methoxybenzene. 4-Allyl-2-methoxyphenol. 5-Allylguaiacol. ***Eugenol, USAN***

[97-53-0]



$C_{10}H_{12}O_2$ M 164.204
Very widespread occurrence in essential oils. Major component of clove oil. Also found in those of *Cinnamomum* spp., *Cistus* spp., *Camellia* spp., *Pelargonium* spp., and *Thymus* spp. Used in dental cement preparations, insect attractants and extensively in the perfumery and flavour industries. Dental analgesic. Oil. Spar. sol. H_2O. Fp −9°. Bp 248°, Bp_{15} 128-130°. Bp also given as 254°.
▷SJ4375000.
Ac: [93-28-7]. *Aceteugenol.*
$C_{12}H_{14}O_3$ M 206.241
Found in oil from *Eugenia caryophyllata* and *Cinnamomum zeylanica*. Liq. or plates (EtOH). Mp 30-31°. Bp_{752} 280-281°, Bp_{13} 163-164°.
▷SJ4550000.
3-Methylbutanoyl:
$C_{15}H_{20}O_3$ M 248.321
Constit. of *Felicia wrightii*. Oil.
Me ether: [93-15-2]. *1,2-Dimethoxy-4-(2-propenyl)-benzene. Methyleugenol. 4-Allylveratrole.*
$C_{11}H_{14}O_2$ M 178.230
Present in many essential oils. Perfumery and flavouring ingredient. Liq. Fp −4°. Bp 255°, Bp_{12} 125-127°.
▷CY2450000.
Erdmann, F. *et al*, *J. Prakt. Chem.*, 1897, **56**, 143 (*synth*)
Naves, Y.-R., *Helv. Chim. Acta*, 1948, **31**, 378 (*isol*)
Manito, P. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 1727; 1975, 1548 (*biosynth*)
Khischies, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1975, 879 (*biosynth*)
Yamaguchi, H. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 1169 (*pmr*)
Bohlmann, F. *et al*, *Phytochemistry*, 1976, **15**, 1318 (*isol*)
Massow, F. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1976, 977 (*cmr*)
Wenkert, E. *et al*, *Synthesis*, 1983, 701 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4645.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1402.

N-(2-Methoxy-2-propenyl)-trimethylammonium(1+) M-00216

(2-Methoxyallyl)trimethyl ammonium, 8CI

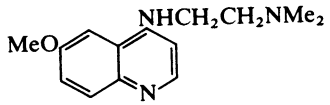
$H_2C{=}C(OMe)CH_2N^{\oplus}Me_3$

$C_7H_{16}NO^{\oplus}$ M 130.210 (ion)
Parasympathomimetic drug.
Bromide: [590-31-8]. ***Meprochol, BAN.*** *Esmodil.*
$C_7H_{16}BrNO$ M 210.114
Cryst. powder. Sol. H_2O, EtOH. Mp 169°.
Ger. Pat., 614 462, (*1935*); *CA*, **29**, 5994 (*synth*)
Asakawa, H., *Okayama Igakkai Zassi*, 1939, **51**, 1020; *CA*, **37**, 682b (*pharmacol*)

N'-(6-Methoxy-4-quinolinyl)-*N*,*N*-dimethyl-1,2-ethanediamine, 9CI M-00217

4-[[2-(Dimethylamino)ethyl]amino]-6-methoxyquinoline

[27166-18-3]

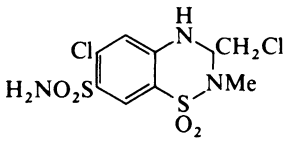


$C_{14}H_{19}N_3O$ M 245.324
Compd. with 6-[(Diethylamino)carbonyl]-3-cyclohexene-1-carboxylic acid (1:2): [5714-76-1]. ***Quinetolate, USAN.*** *Quinetalate, INN. Astquinon. Aureoquindiamate. Emphysin. Phthalamaquin. Ventaire.* Broncholytic. Antiasthmatic and smooth muscle relaxant. Hygroscopic powder.
U.S.P., 2 719 848, (*1955*); *CA*, **50**, 12119 (*synth*)
Liu, C.-K. *et al*, *CA*, 1958, **52**, 10081 (*synth*)
Aviado, D.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1970, **17**, 107 (*props*)
Taylor, S.E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1978, **232**, 279 (*pharmacol*)

Methyclothiazide, BAN, USAN, INN M-00218

6-Chloro-3-(chloromethyl)-3,4-dihydro-2-methyl-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI, 8CI. Aquatensen. Enduron. Naturon. Other proprietary names

[135-07-9]

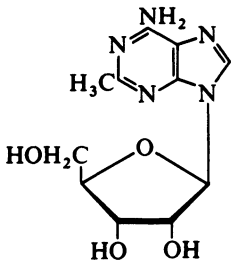


$C_9H_{11}Cl_2N_3O_4S_2$ M 360.230
▷DK8575000.
(±)-***form*** [96782-90-0]
Diuretic, antihypertensive agent. Solid by pptn. from DMF aq. Mp 235-236° dec.
Close, W.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1132 (*synth*)
Smith, P.J. *et al*, *Anal. Biochem.*, 1968, **22**, 134 (*chromatog, ir*)
Kracmar, J. *et al*, *Pharmazie*, 1970, **25**, 464 (*uv*)
Raihle, J.A. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 307 (*rev, pharmacol*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1976, **21**, 525 (*uv*)
Blaschke, G. *et al*, *J. Pharm. Sci.*, 1985, **74**, 438 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2348.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1199.

2-Methyladenosine, 9CI, 8CI M-00219

2-Methyl-9-β-D-ribofuranosyladenine

[16526-56-0]



$C_{11}H_{15}N_5O_4$ M 281.271

Exhibits antiviral activity against Herpes simplex and vaccinia viruses. $[\alpha]_D^{25}$ −66.6° (c, 1.0 in H_2O). λ_{max} 264 nm (ε 14 500) (pH 6).

Picrate: Mp 200° dec.

6,6N-Di-Me: [16526-79-7]. *2,2,6N-Trimethyladenosine.*
$C_{13}H_{19}N_5O_4$ M 309.324
Mp 159°. $[\alpha]_D^{25}$ −65.7° (c, 1.0 in H_2O). λ_{max} 272 (ε 16 700) (pH 1), 280 (19 500) (pH 6), 280 nm (19 600) (pH 13).

6N-Me: [16526-78-6]. *2,6N-Dimethyladenosine.*
$C_{12}H_{17}N_5O_4$ M 295.297
Mp 179-180°. $[\alpha]_D^{25}$ −67.6° (c, 1.0 in H_2O).

2',3'-O-Isopropylidene: [16526-53-7].
$C_{14}H_{19}N_5O_4$ M 321.335
Mp 202-203°. $[\alpha]_D^{25}$ −81.5° (c, 1.0 in H_2O). λ_{max} 264 nm (ε 14 300) (pH 6).

5'-Phosphate:
$C_{11}H_{16}N_5O_7P$ M 361.250
Mp 260° (as Ba salt). λ_{max} 264 nm (ε 13 200) (pH 6).

Davoll, J. *et al, J. Am. Chem. Soc.*, 1952, **74**, 1563 (*synth*)
Yamazaki, A. *et al, J. Org. Chem.*, 1968, **33**, 2583 (*synth, pmr*)
Hecht, S.M. *et al, Anal. Biochem.*, 1970, **38**, 230 (*ms*)
Shanon, W.M. *et al, J. Med. Chem.*, 1974, **17**, 361 (*phamarcol*)
Hattori, M. *et al, Justus Liebigs Ann. Chem.*, 1978, **11**, 1796 (*synth*)

2-(2-Methylaminoethyl)pyridine, 8CI M-00220

N-*Methyl-2-pyridineethanamine, 9CI.* ***Betahistine, BAN***

[5638-76-6]



$C_8H_{12}N_2$ M 136.196

Used in treatment of circulatory diseases. Diamine oxidase inhibitor. Vasodilator. Liq. Bp_{30} 113-114°.

▷UT5552000.

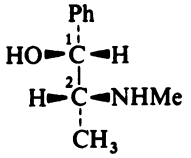
B,2HCl: [5579-84-0]. *Betahistine hydrochloride, USAN. Serc. Vasomotal.* Cryst. Mp 148-149°.

Löffler, K., *Ber.*, 1904, **37**, 161 (*synth*)
Walter, L.A. *et al, J. Am. Chem. Soc.*, 1941, **63**, 2771 (*synth*)
Hunt, W.H. *et al, J. Pharmacol.*, 1942, **75**, 299 (*pharmacol*)
Ger. Pat., 2 359 107, (*1974*); *CA*, **82**, 57570 (*synth, use*)
Sternson, L. *et al, Drug Metab. Dispos.*, 1974, **2**, 123 (*metab*)
Sakamoto, T. *et al, Chem. Pharm. Bull.*, 1984, **32**, 4866 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9213.

2-Methylamino-1-phenyl-1-propanol M-00221

α-[*1-(Methylamino)ethyl*]*benzenemethanol, 9CI*

[53214-57-6]



(*1R,2R*)-*form* Absolute configuration

$C_{10}H_{15}NO$ M 165.235

▷Highly toxic orally. DO9500000.

(1R,2R)-form [321-97-1]

(−)-*ψ-Ephedrine*

Synthetic. Mp 118-118.5°. $[\alpha]_D^{20}$ −52° (EtOH).

(1R,2S)-form [299-42-3]

Ephedrine

Main alkaloid from the Chinese drug "Ma-Huang", and from many *Ephedra* spp., also in *Aconitum napellus, Catha edulis, Taxus baccata, Sida cordifolia, Roemeria refracta* and some other spp. (Ephedraceae, Ranunculaceae, Celastraceae, Taxaceae, Malvaceae, Papaveraceae). Sympathomimetic agent active by mouth. Weaker but longer-acting than adrenaline. Hypertensive, cardiac stimulant, bronchodilator, hyperglycaemic agent. Low toxicity. Has been used clinically against bronchial asthma, hay fever, whooping cough, myasthenia gravis, dysmenorrhea and heart block (Stokes-Adam syndrome). Resolving agent for aldehydes and ketones *via* chiral oxazolidine formn. Mp 40°. Bp 225°. $[\alpha]_D$ −6.3° (EtOH).

▷KB0700000.

B,HCl: [50-98-6]. *Ephedrine hydrochloride, USAN.* Mp 218°. $[\alpha]_D^{20}$ −37° (H_2O). Component of Amesec, Bronkotabs, Primatene M, Primatene P, Quadrinal, Quibron Plus and Tedral.

▷KB1750000.

B,H_2SO_4: Ephedrine sulfate, USAN. Isofedrol. Component of Wyanoids.

N-*Me: see 2-Dimethylamino-1-phenyl-1-propanol, D-00418*

N-*Ac:*
$C_{12}H_{17}NO_2$ M 207.272
Mp 85-86°. $[\alpha]_D^{20}$ +8° (EtOH), −63° ($CHCl_3$).

Compd. with theophylline: see Theophylline, T-00169

(1S,2S)-form [90-82-4]

ψ-Ephedrine. *Pseudoephedrine, INN, BAN. Isoephedrine*

Alkaloid from *E. vulgaris* var. *helvetica* and many other *E.* spp., and from *R. refracta* and *S. cordifolia* (Ephedraceae, Papaveraceae, Malvaceae). Shows somewhat similar pharmacol. activity to Ephedrine but is less potent. Mp 117-118°. $[\alpha]_D$ +52° (EtOH).

▷UL5800000.

B,HCl: [345-78-8]. *Pseudoephedrine hydrochloride, USAN. Dorrol. Novafed. Sudafed.* Adrenergic (vasoconstrictor). Mp 182-182.5°. $[\alpha]_D^{20}$ −62° (H_2O). Component of Actifed, Phenergan and numerous proprietary cpds.

▷UL5950000.

B,H_2SO_4: [7460-12-0]. *Pseudoephedrine sulfate, USAN. Afrinol. D-Isoephedrine sulfate, JAN.* Component of Disophrol, Drixoral and Trinalin.

N-*De-Me: see 2-Amino-1-phenyl-1-propanol, A-00308*

N-*Me: see 2-Dimethylamino-1-phenyl-1-propanol, D-00418*

(1S,2R)-form [321-98-2]
(+)-*Ephedrine*
Synthetic. Resolving agent for aldehydes and ketones. Shows about ⅓the pharmacol. activity of (−)-ephedrine. Mp 40-40.5°.
▷KB0600000.
B,HCl: [24221-86-1]. Mp 217-218°. $[\alpha]_D^{20}$ +34° (H_2O).
▷KB1925000.

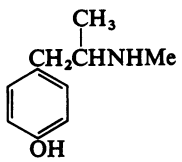
(1RS,2RS)-form [4125-58-0]
(±)-*ψ-Ephedrine*
Synthetic. Mp 118°.

(1RS,2SR)-form [90-81-3]
(±)-*Ephedrine*
Mp 76°.
B,HCl: [134-71-4]. Mp 188-189.5°.
▷KB1575000.
N-*Ac:*
$C_{12}H_{17}NO_2$ M 207.272
Mp 77-78.5°.

Emde, H., *Helv. Chim. Acta*, 1929, **12**, 365, 405 (*struct, rel config*)
Freudenberg, K. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 234; *Justus Liebigs Ann. Chem.*, 1934, **510**, 223 (*abs config*)
Phillips, D.C. *et al*, *Acta Crystallogr.*, 1954, **7**, 159 (*rel config*)
Milne, J.W.A. *et al*, *Anal. Chem.*, 1973, **45**, 1952 (*ms*)
Yamasaki, K. *et al*, *Phytochemistry*, 1973, **12**, 2877 (*biosynth*)
Furlei, R.R. *et al*, *CA*, 1974, **80**, 144 913z (*ms*)
Ghosal, S. *et al*, *Phytochemistry*, 1975, **14**, 830 (*isol*)
Lovgren, K. *et al*, *Acta Pharm. Suec.*, 1977, **14**, 30 (*pmr*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur*)
Baudet, M. *et al*, *Anal. Lett., Part B*, 1979, **12**, 641 (*cmr*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 289.
Benzezra, S.A. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 489 (*rev, uv, ir, pmr, ms, anal, pseudoephedrine*)
Ali, S.L., *Anal. Profiles Drug Subst.*, 1986, **15**, 255 (*rev, uv, ir, ms, pmr, anal*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 641.

4-[2-(Methylamino)propyl]phenol, 9CI M-00222

Pholedrine, BAN, INN. *Veritain. Veritol*
[370-14-9]



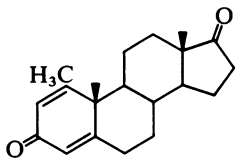
$C_{10}H_{15}NO$ M 165.235
▷SL8400000.

(±)-form [46116-61-4]
Sympathomimetic, antihypertensive agent. Mp 162-163°.
2B,H_2SO_4: [6114-26-7]. *Pholedrine sulfate. Presoitan.* Mp 320-323° dec.
▷SL8575000.

Ger. Pat., 767 161, (*1951*); *CA*, **52**, 2071c (*synth*)
Thies, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1962, **295**, 194 (*uv*)
Aljes, H. *et al*, *Sportarzt Sportmed.*, 1971, **22**, 101 (*ms*)
Halberkann, J., *Pharma Int.*, 1971, **2**, 24 (*rev, pharmacol*)
Pettersson, C. *et al*, *J. Chromatogr. Sci.*, 1984, **22**, 441 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2096.

1-Methylandrosta-1,4-diene-3,17-dione, 9CI M-00223

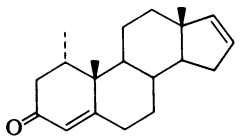
Atamestane, INN. *Metandroden. SH 489. ZK 95639*
[96301-34-7]



$C_{20}H_{26}O_2$ M 298.424
Aromatase inhibitor. Cryst. (Me_2CO/hexane). Mp 165-166°.

Ger. Pat., 3 322 285, (*1984*); *CA*, **102**, 204169 (*synth, pharmacol*)
Henderson, D. *et al*, *J. Steroid Biochem.*, 1986, **24**, 303 (*pharmacol*)
Nishino, Y. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1986, **683**, 443 (*pharmacol*)

1-Methylandrosta-4,16-dien-3-one, 9CI M-00224



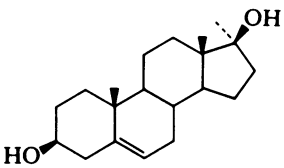
$C_{20}H_{28}O$ M 284.441

1α-form [63014-96-0]
Delanterone, INN. *GBR 21162*
Antiandrogen. Mp 76-77.5°.

Bouwman, A.L. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1977, **451**, 753 (*pharmacol*)
Ger. Pat., 2 631 915, (*1977*); *CA*, **87**, 23614p (*synth*)

17-Methylandrost-5-ene-3,17-diol, 9CI, 8CI M-00225

[521-10-8]



$C_{20}H_{32}O_2$ M 304.472
▷BV8100000.

(3β,17S)-form
Methandriol, INN. *Cytobolin. Madiol. Stenediol. Mestenediol. Numerous proprietary names*
Anabolic steroid. Mp 205.5-206.5°. $[\alpha]_D^{20}$ −73° (EtOH).
Di-Ac: [2061-86-1].
$C_{24}H_{36}O_4$ M 388.546
Mp 145-146°. $[\alpha]_D^{21}$ −59° (c, 0.98 in EtOH).
3-Propanoate: [60883-73-0]. *Methandriol propionate. Protabolin.*
$C_{23}H_{36}O_3$ M 360.536
Anabolic steroid.
3,17-Bisoxononanoate: Methandriolbisenanthoyl acetate. Notandron-Depot.
$C_{38}H_{60}O_6$ M 612.888
Anabolic steroid.

Ruzicka, L. *et al*, *Helv. Chim. Acta*, 1935, **18**, 1487 (*synth, pharmacol*)
Bernstein, S. *et al*, *J. Org. Chem.*, 1953, **18**, 1153 (*ir*)

Hampel, B. *et al*, *Tetrahedron*, 1966, **22**, 1601 (*nmr*)
Bellomonte, G. *et al*, *Ann. Chim. (Paris)*, 1971, **61**, 756 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9068.

Methylarsonic acid, 9CI, BSI M-00226

Methanearsonic acid, 8CI. Dihydroxymethylarsine oxide. Numerous proprietary names

[124-58-3]

$MeAsO(OH)_2$

CH_5AsO_3 M 139.970
Herbicide. Antibacterial agent. Plates (EtOH). Sol. H_2O, EtOH. Mp 159.8°. pK_{a1} 4.58, pK_{a2} 7.82.

▷Toxic. PA1575000.

Mono-Na salt: [2163-80-6]. *Monosodium methylarsonate, 9CI. MSMA.*
CH_4AsNaO_3 M 161.952
Herbicide. Cryst. + $1\frac{1}{2}H_2O$. V. sol. H_2O, sol. MeOH, insol. most org. solvs. Mp 113-116°.

▷Highly toxic orally. PA2625000.

Di-Na salt: [144-21-8]. *Arrhenal. DSMA.*
$CH_3AsNa_2O_3$ M 183.934
Herbicide. Hexahydrate. Sol. H_2O, MeOH, pract. insol. most org. solvs. Mp 132-139°.

▷PA2275000.

Di-Me ester: [23809-18-9]. *Dimethoxymethylarsine oxide.*
$C_3H_9AsO_2$ M 152.025
Bp_{12} 102°.

Di-Et ester: Diethoxymethylarsine oxide.
$C_5H_{13}AsO_2$ M 180.078
Bp_{12} 114°.

Meyer, G., *Ber.*, 1883, **16**, 1440 (*synth*)
Quick, A.J. *et al*, *J. Am. Chem. Soc.*, 1922, **44**, 805 (*synth*)
Banks, C.K. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 927 (*synth*)
Chernokal'skii, B.D. *et al*, *Zh. Obshch. Khim.*, 1966, **36**, 1677 (*props*)
Dub, M., *Organometallic Compounds*, vol III, 1968, Springer Verlag, New York, 2nd Ed., 390.
Von Simon, A. *et al*, *Z. Anorg. Allg. Chem.*, 1972 **393**, 39 (*derivs, ir*)
Von Simon, A. *et al*, *Z. Anorg. Allg. Chem.*, 1973, **398**, 145 (*ir, raman*)
Moore, L.O. *et al*, *Encycl. Chem. Process Des.*, 1977, **3**, 396 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 20.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1958.

Methylbenactyzium(1+) M-00227

N,N-Diethyl-2-[(hydroxydiphenylacetyl)oxy]-N-methylethanaminium, 9CI. Diethyl(2-hydroxyethyl)-methylammonium benzilate

[13473-61-5]

$Ph_2C(OH)COOCH_2CH_2N^{\oplus}MeEt_2$

$C_{21}H_{28}NO_3^{\oplus}$ M 342.457 (ion)
Ganglion blocking agent, anticholinergic and antiulcer agent.

Bromide: [3166-62-9]. *Methylbenactyzium bromide, INN. Benactyzine methobromide.*
$C_{21}H_{28}BrNO_3$ M 422.361
Mp 165-166°.

Cavallini, G. *et al*, *Farmaco, Ed. Sci.*, 1953, **8**, 581 (*synth*)
Barlow, R.B. *et al*, *Br. J. Pharmacol.*, 1963, **21**, 509 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6318 (*synonyms*)

4-Methylbenzenesulfonic acid, 9CI M-00228

p-Toluenesulfonic acid, 8CI

[104-15-4]

$C_7H_8O_3S$ M 172.198
Acid catalyst for many reactions, can be used for selective cleavage of *t*-BOC protecting group. Hygroscopic plates + $1H_2O$ (H_2O). Mp 104-105° (92°). pK_a −6.62 (H_2SO_4).

▷Irritant, causes burns. XT6300000.

Me ester: [80-48-8].
$C_8H_{10}O_3S$ M 186.225
Mp 28°.

▷Vesicant and skin sensitizer. XT7000000.

Et ester: [80-40-0].
$C_9H_{12}O_3S$ M 200.252
Cryst. (EtOAc). Mp 33-34°. Bp_{15} 173°.

▷Exp. carcinogen. XT6825000.

Ph ester: [640-60-8].
$C_{13}H_{12}O_3S$ M 248.296
Needles (EtOH). Mp 95-96°.

Chloride: [98-59-9]. *Tosyl chloride.*
$C_7H_7ClO_2S$ M 190.644
Tosylating reagent. Plates (Et_2O). Mp 71°. Bp_{15} 145-146°, Bp_{20} 151.6°.

Fluoride: [455-16-3].
$C_7H_7FO_2S$ M 174.190
Needles (pet. ether). Mp 43-44°. Bp_{16} 112.5°.

▷XT8050000.

Anhydride: [4124-41-8].
$C_{14}H_{14}O_5S_2$ M 326.382
Cryst. (Et_2O). Mp 122-125°.

Amide: [70-55-3].
$C_7H_9NO_2S$ M 171.214
Leaflets (EtOH), plates + $2H_2O$ (H_2O). Mp 138° (anhyd.), 105° (hydrate).

▷Highly toxic orally. XT5075000.

Anilide: [68-34-8].
$C_{13}H_{13}NO_2S$ M 247.311
Needles (Et_2O/EtOH). Mp 103°.

Hydrazide: [1576-35-8]. *p-Toluenesulfonylhydrazine. Tosylhydrazine.*
$C_7H_{11}N_2O_2S$ M 187.236
Reagent for characterisation of alcohols and sugars, dehydrations and epoxy ketone fragmentations. Mp 108-110°.

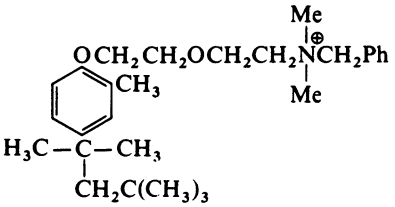
▷MW0210000.

Dipropylamide: [723-42-2]. *4-Methyl-N,N-dipropylbenzenesulfonamide, 9CI. N,N-Dipropyl-p-toluenesulfonamide.* ***Ditolamide, INN.*** *A17624.*
$C_{13}H_{21}NO_2S$ M 255.374
Uricosuric agent. Mp 36-37°. $Bp_{0.5}$ 154-156°.

Holleman, A.F. *et al*, *Ber.*, 1911, **44**, 2504.
Org. Synth., 1960, **40**, 93 (*deriv*)
Fr. Pat., M2587, (*1964*); *CA*, **62**, 489f (*synth, pharmacol, Ditolamide*)
Wiley, R.H., *Org. Mass. Spectrom.*, 1970, **4** (*Suppl.*), 55 (*ms*)
Singer, G.M. *et al*, *Org. Mass Spectrom.*, 1975, **10**, 473 (*ms, Ditolamide*)
Aldrich Library of IR Spectra, 844H, 1024B (*ir*)
Aldrich Library of NMR Spectra, **10**, 27B, 49B (*pmr*)
Sadtler Standard Carbon 13 NMR Spectra, 1556 (*cmr*)
Sadtler Standard Ultraviolet Spectra, 9703 (*uv*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **8**, 488.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 675, 833, 1036.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 489.

Methylbenzethonium(1+) M-00229

N,N-*Dimethyl*-N-[*2*-[*2*-[*methyl*-*4*-(*1,1,3,3*-*tetramethylbutyl*)*phenoxy*]*ethoxy*]*ethyl*]-*benzenemethanaminium*, *9CI*. *Benzyldimethyl*-[*2*-[*2*-[[*4*-(*1,1,3,3*-*tetramethylbutyl*)*tolyl*]*oxy*]*ethoxy*]*ethyl*]-*ammonium*, *8CI*



$C_{28}H_{44}NO_2^{\oplus}$ M 426.661 (ion)

Antiinfective agent.

Chloride: [25155-18-4]. *Methylbenzethonium chloride*, *USAN*, *INN*. *Hyseptine*. *Delavan*. *Amosept*. *Bactine*.
$C_{28}H_{44}ClNO_2$ M 462.114
Sol. H_2O, $CHCl_3$, hot C_6H_6. Mp 161-163° (monohydrate).

▷CP1300000.

Walter, G.R. *et al*, *J. Pharm. Sci.*, 1962, **51**, 770 (*pharmacol*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2258.

3-Methylbenzoic acid M-00230

m-*Toluic acid*

[99-04-7]

$C_8H_8O_2$ M 136.150

Prisms (MeOH or H_2O). Mod. sol. hot H_2O. Mp 111°. Bp 263°. pK_a 4.25 (25°). Sublimes, steam-volatile.

▷XU1200000.

Me ester: [99-36-5].
$C_9H_{10}O_2$ M 150.177
Oil. d^{15} 1.066. Bp 215°.

Et ester: [120-33-2].
$C_{10}H_{12}O_2$ M 164.204
Bp 227°, Bp_{10} 103-105°.

Ph ester: [41998-14-5].
$C_{14}H_{12}O_2$ M 212.248
Mp 61°.

Anhydride:
$C_{16}H_{14}O_3$ M 254.285
Cryst. (pet. ether). Mp 71°. Bp_{17} 230°.

Chloride: [1711-06-4].
C_8H_7ClO M 154.596
d_4^{20} 1.173. Mp −23°. Bp_{773} 219-220°, Bp_{15} 109°.

Amide: [618-47-3]. m-*Toluamide*.
C_8H_9NO M 135.165
Needles (Et_2O). Mp 97°.

Dimethylamide: [6935-65-5].
$C_{10}H_{13}NO$ M 163.219
Bp_{12} 148°.

Diethylamide: [134-62-3]. ***Diethyltoluamide***, ***USAN***. *Metadelphene*. *Detamide*.
$C_{12}H_{17}NO$ M 191.272
Isol. from the female pink bollworm moth *Pectinophora gossypiella*. Insect repellent. Liq. d_4^{20} 0.996. Bp_{19} 160°.

▷XS3675000.

Nitrile: [620-22-4]. *1-Cyano-3-methylbenzene*. m-*Cyanotoluene*.
C_8H_7N M 117.150
Liq. d^{20} 1.032. Mp −23.5° to −23°. Bp 210-212°, Bp_{10} 84.5°.

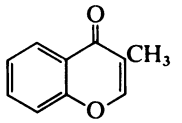
▷XV0525000.

McCabe, E.T. *et al*, *J. Org. Chem.*, 1954, **19**, 493 (*deriv*)
Hay, A.S. *et al*, *J. Org. Chem.*, 1960, **25**, 616 (*synth*)
Jones, W.A. *et al*, *Science*, 1968, **159**, 99 (*isol*, *deriv*)
Yamamoto, O. *et al*, *Anal. Chem.*, 1972, **44**, 1794 (*pmr*)
Benkeser, R.A. *et al*, *J. Org. Chem.*, 1973, **38**, 3660 (*synth*)

3-Methyl-4*H*-1-benzopyran-4-one, 9CI M-00231

3-Methylchromone, *8CI*. *3-Methyl-4-oxo-4H-chromene*. ***Methylchromone***, *INN*, ***BAN***. *Metilcromone*. *Crodimyl*. *Cromonalgina*. *Diacromone*. *Dilacorine*. *Spasmocromona*. *Tricromyl*

[85-90-5]



$C_{10}H_8O_2$ M 160.172

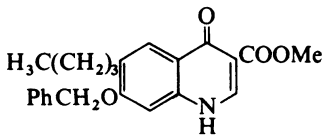
Antispasmodic; coronary vasodilator. Cryst. (pet. ether). Mp 71-72°.

Mentzer, C. *et al*, *Bull. Soc. Chim. Fr.*, 1944, **11**, 302.
Schönberg, A. *et al*, *J. Chem. Soc.*, 1950, 3344.
Clerc-Bory, M. *et al*, *Bull. Soc. Chim. Fr.*, 1955, 1083.
Schilliro, R. *et al*, *Presse Med.*, 1956, **64**, 1415 (*pharmacol*)
Paquette, L.A., *J. Org. Chem.*, 1960, **31**, 1232.
Prino, G. *et al*, *Boll. Chim. Farm.*, 1960, **99**, 79 (*pharmacol*)
Klutchko, S. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 183.
Becket, G.J.P. *et al*, *J. Chem. Res.* (*S*), 1978, 47 (*synth*)
Eguchi, S., *Org. Mass Spectrom.*, 1979, **14**, 345 (*ms*)
Huckerby, T.N. *et al*, *J. Mol. Struct.*, 1979, **56**, 87 (*cmr*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9254.

Methyl benzoquate, BAN M-00232

6-Butyl-1,4-dihydro-4-oxo-7-(phenylmethoxy)-3-quinolinecarboxylic acid methyl ester, *9CI*. *7-(Benzyloxy)-6-n-butyl-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid methyl ester*, *8CI*. *Methyl 7-benzyloxy-6-butyl-1,4-dihydro-4-oxoquinoline-3-carboxylate*. ***Nequinate***, *USAN*, *INN*. *Statyl*

[13997-19-8]



$C_{22}H_{23}NO_4$ M 365.428

Antiprotozoan; used as a coccidiostat for poultry. Mp 287-288°.

Bowie, R.A. *et al*, *Nature* (*London*), 1967, **214**, 1349 (*pharmacol*)
Martindale, *The Extra Pharmacopoeia*, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12946.

3-(α-Methylbenzyl)carbazic acid, 8CI M-00233

2-(1-Phenylethyl)hydrazine carboxylic acid, *9CI*

$PhCH(CH_3)NHNHCOOH$

$C_9H_{12}N_2O_2$ M 180.206

Free acid unknown.

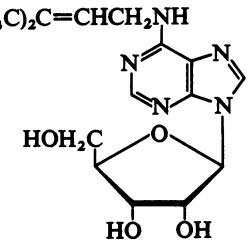
(±)-*form*

Et ester: [3240-20-8]. ***Carbenzide***, ***INN***.
$C_{11}H_{16}N_2O_2$ M 208.260

Antidepressant (amine oxidase inhibitor). Mp 59-60°.
▷FE2650000.
tert-*Butyl ester:* Cryst. (pentane). Mp 72-73°.
Anderson, F.E. *et al*, *J. Med. Chem.*, 1962, **5**, 221 (*Carbenzide*)
Seltzer, S. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 2628 (*Carbenzide*)
Baumgarten, H.E. *et al*, *J. Org. Chem.*, 1976, **41**, 3805 (*ester*)

N-(3-Methyl-2-butenyl)adenosine, 9CI, 8CI M-00234

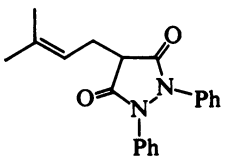
6-N-(γ,γ-*Dimethylallyl*)*adenosine.* ***Riboprine,*** *USAN, INN. NSC 105546*
[7724-76-7]



$C_{15}H_{21}N_5O_4$ M 335.362
Constit. of yeast soluble ribonucleic acid (s-RNA). Exhibits cytokinin activity. Antineoplastic agent. Fine needles (MeCN/EtOH). Mp 145-147°. $[\alpha]_{546}^{25}$ –97° (c, 0.7 in EtOH). λ_{max} 265 (ε 20 400) (pH 1), 269 nm (20 000) (pH 7-12).
Hall, R.H. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 2614 (*isol, pmr*)
Folke, S. *et al*, *Phytochemistry*, 1967, **6**, 1169.
Wilson, M.S. *et al*, *Biochim. Biophys. Acta*, 1971, **240**, 623 (*ms*)
Chheda, G.B. *et al*, *Biochem. Pharmacol.*, 1972, **21**, 27 (*metab*)
Fleysher, M.H. *et al*, *J. Med. Chem.*, 1972, **15**, 187 (*pharmacol*)
Robins, M.J. *et al*, *Biochemistry*, 1973, **12**, 2179 (*synth, ms, bibl*)
Chong-Maw, C. *et al*, *Biochemistry*, 1975, **14**, 3088 (*biosynth*)

4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, 9CI, 8CI M-00235

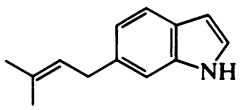
Feprazone, *BAN, INN,* ***JAN.*** *Methrazone. Zepelin. 4-Prenyl-1,2-diphenyl-3,5-pyrazolidinedione. Numerous proprietary names*
[30748-29-9]



$C_{20}H_{20}N_2O_2$ M 320.390
▷UQ8530000.
(±)-*form*
Antiinflammatory, analgesic. Mp 156.5°.
Ger. Pat., 2 031 238, (*1971*); *CA*, **74**, 76413k (*synth, pharmacol*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*props, pharmacol*)
Selva, A. *et al*, *Org. Mass Spectrom.*, 1975, **10**, 606 (*ms*)
Mignani, G. *et al*, *Tetrahedron Lett.*, 1985, **26**, 6337 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2650.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5613.

6-(3-Methyl-2-butenyl)-1*H*-indole M-00236

*6-Prenylindole. Antibiotic 434*B
[23158-16-9]



$C_{13}H_{15}N$ M 185.268
Alkaloid from the liverworts *Riccardia sinuata* and *R. incurvata* (Hepaticae). Antitumour agent. Mp 33-34° (30.5-31°). Bp_2 120-130°. Also descr. as pale-brown oil.
1,3,5-Trinitrobenzene complex: Mp 106°.
Benešová, V. *et al*, *Collect. Czech. Chem. Commun.*, 1969, **34**, 1807 (*isol, uv, ir, pmr, struct*)
Pleininger, H. *et al*, *Chem. Ber.*, 1971, **104**, 2027 (*synth*)
Huneck, S. *et al*, *CA*, 1972, **79**, 29523 (*isol*)
Ishii, H. *et al*, *Tetrahedron*, 1975, **31**, 933 (*synth*)
Japan. Pat., 79 135 300, (*1979*); *CA*, **92**, 126908 (*isol*)
Achenbach, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1985, **318**, 1147 (*synth*)

3-Methyl-1-butyl nitrite M-00237

Nitrous acid 3-methylbutyl ester, 9CI. Amyl nitrite. Isopentyl nitrite. Other proprietary names
[110-46-3]

$(H_3C)_2CHCH_2CH_2ONO$

$C_5H_{11}NO_2$ M 117.147
Coronary vasodilator, spasmolytic. Liq. d_4^{20} 0.871. Bp 99°. n_D^{20} 1.3871.
▷NT0187500.
Von Oettingen, W.F., *Natl. Inst. Health Bull.*, 1946, **186** (*rev, pharmacol*)
Olah, G. *et al*, *Chem. Ber.*, 1956, **89**, 2374 (*synth*)
Bevillard, P. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 337 (*synth*)
Das, R.C. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 65 (*ms*)
Sugawara, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 3391 (*O-17 nmr*)
Haley, T.J. *et al*, *Clin. Toxicol.*, 1980, **16**, 317 (*rev*)
True, N.S. *et al*, *J. Phys. Chem.*, 1982, **86**, 2327 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9205.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 343.

Methylcarbamic acid, 9CI M-00238

Methylaminoformic acid
[6414-57-9]

MeNHCOOH

$C_2H_5NO_2$ M 75.067
Not known in free state.
Methylamine salt: Cryst. V. sol. H_2O. Mp 105°. Heat at 170° → Dimethylurea.
1-Naphthyl ester: [63-25-2]. *1-Naphthalenyl methylcarbamate, 9CI.* ***Carbaryl,*** *BAN,* ***BSI.*** *Carbaril, INN. Clinicid. Dicarbam. Ravyon. Seffein. UC 7744. Other proprietary names.*
$C_{12}H_{11}NO_2$ M 201.224
Contact insecticide. Mp 142°.
▷Exp. carcinogen and teratogen. FC5950000.
2-Naphthyl ester: [4089-04-7].
$C_{12}H_{11}NO_2$ M 201.224
Insecticide. Mp 118°.
Chloride: [6452-47-7]. *Methylcarbamic chloride, 9CI. Methylcarbamoyl chloride.*
C_2H_4ClNO M 93.513

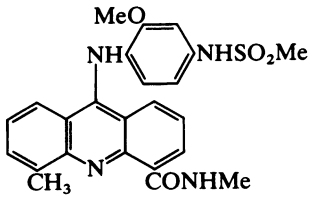
Mp 90-91° (40-41°).

French Pat., 1 344 292, (*1963*); *CA*, **60**, 13150
U.S.P., 3 084 096, (*1963*); *CA*, **59**, 11381 (*deriv*)
East Ger. Pat., 36 946, (*1965*); *CA*, **63**, 13179 (*deriv*)
Lemin, A.J. *et al*, *J. Agric. Food Chem.*, 1965, **13**, 214.
Beierl, D. *et al*, *Chem. Ber.*, 1973, **106**, 1637.
Kuhr, R.J. *et al*, Eds., *Carbamate Insecticides*, CRC Press, Cleveland, 1976 (*book*)
Pesticide Manual, 6th Ed., 79 (*deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2243.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3570.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 468.

4-(*N*-Methylcarboxamido)-5-methylamsacrine M-00239

9-[[2-Methoxy-4-[(methylsulfonyl)amino]phenyl]amino]-N,5-dimethyl-4-acridinecarboxamide, 9CI. CI 921. NSC 343499. PD 108067

[80841-47-0]



$C_{24}H_{24}N_4O_4S$ M 464.538

Antineoplastic agent.

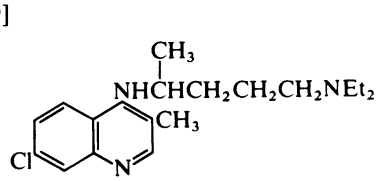
Mono(2-hydroxyethanesulfonate): [80841-48-1]. Mp 254-256°.

Atwell, G.J. *et al*, *J. Med. Chem.*, 1984, **27**, 363; 1986, **29**, 1769; 1987, **30**, 652 (*synth, pharmacol*)
Jurlina, J.L. *et al*, *J. Chromatogr.*, 1985, **342**, 431 (*hplc*)
Grove, W.R. *et al*, *Invest. New Drugs*, 1986, **4**, 113 (*rev, pharmacol*)
Paxton, J.W. *et al*, *Cancer Chemother. Pharmacol.*, 1987, **20**, 13 (*pharmacol*)

Methylchloroquine M-00240

N⁴-(7-Chloro-3-methyl-4-quinolinyl)-N′,N′-diethyl-1,4-pentanediamine, 9CI. 7-Chloro-4-[[4-(diethylamino)-1-methylbutyl]amino]-3-methylquinoline. Nivaquine C. *Santochin. Santoquine. Sontochin. Sontoquine. RP 3038. SN 6911*

[85-10-9]



$C_{19}H_{28}ClN_3$ M 333.903

▷VB2600000.

(±)-form

Antimalarial agent. $Bp_{0.5}$ 220-230°.

U.S.P., 2 233 970, (*1941*); *CA*, **35**, 3771 (*synth*)
Berliner, R.W. *et al*, *J. Clin, Invest.*, 1948, 27 (*Suppl.*), 98 (*pharmacol*)
Kikuth, W., *Chemotherapy*, 1948, 11 (*pharmacol*)
Smith, C.C., *J. Pharmacol. Exp. Ther.*, 1950, **100**, 408 (*tox*)

Methylcobalamin M-00241

Methylcobinamide hydroxide dihydrogen phosphate(ester) inner salt 3′-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1H-benzimidazole, 10CI. Coα-(α-*5,6-Dimethylbenzimidazolyl*)-Coβ-*methylcobamide.* ***Mecobalamin, BAN, USAN, INN.*** *Algobaz. Hitocobamin*-M. *Numerous proprietary names*

[13422-55-4]

As Vitamin B_{12}, V-00059 with

R = Me, R′ = $CONH_2$

$C_{63}H_{91}CoN_{13}O_{14}P$ M 1344.398

Microorganisms effect Me transfer to heavy metals, e.g. Hg. Used for treatment of pernicious anaemia. Red needles (Me_2CO aq.), stable at r.t. in the absence of strong light. Spar. sol. H_2O, sol. alcohols. pK_a 3.3-3.5 (2.72). Co-methyl bond cleaved by light. In aq. soln. in equilibrium with methylcobinamide, i.e. axial coordination site occupied by H_2O not 5,6-dimethylbenzimidazole.

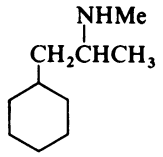
13-Epimer: [53701-54-5]. *Methyl-13-epicobalamin.* $C_{63}H_{91}CoN_{13}O_{14}P$ M 1344.398
As methylcobalamin with the stereochemistry at C13 reversed. Red cryst. (MeOH aq.). pK_a 2.2.

Hogenkamp, H.P.C. *et al*, *J. Biol. Chem.*, 1965, **240**, 3641 (*synth, props*)
Firth, R.A. *et al*, *Biochemistry*, 1967, **6**, 2178 (*uv, cd*)
Firth, R.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1967, 400 (*ir*)
Brodie, J.D. *et al*, *Biochemistry*, 1971, **10**, 914 (*pmr, cryst struct*)
Dolphin, D. *et al*, *Methods Enzymol.*, 1971, **18C**, 34; *CA*, **75**, 76999b (*synth, uv, props*)
Tkachuck, R.D. *et al*, *Biochemistry*, 1974, **13**, 2645 (*epimer*)
Hogenkamp, H.P.C. *et al*, *J. Chem. Soc., Dalton Trans.*, 1975, 2628 (*cmr*)
Hensens, O.D. *et al*, *Philos. Trans. R. Soc. London, Ser. B*, 1976, **273**, 353; *CA*, **84**, 160891d (*pmr*)
Rajoria, D.S. *et al*, *J. Inorg. Nucl. Chem.*, 1977, **39**, 1291 (*ir*)
Chemaly, S.M. *et al*, *J. Chem. Soc., Dalton Trans.*, 1980, 2259, 2267 (*props, uv*)
Wood, J.M., *CA*, 1982, **96**, 138055k (*props*)
Rossi, M. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 1729 (*cryst struct, pmr, P-31 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8362 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7856.

N-Methyl-2-cyclohexyl-2-propylamine M-00242

N,α-Dimethylcyclohexanemethanamine, 9CI. 1-Cyclohexyl-2-methylaminopropane. ***Propylhexedrine, BAN, INN.*** *Benzedrex. Benhaler. Dristan. Eventin. Hexahydrodesoxyephedrine. Obesin. Sulkretor*

[101-40-6]



$C_{10}H_{21}N$ M 155.283

▷GV1550000.

(+)-form

Bp_{10} 82-83°.

B,HCl: Mp 137-139°. $[\alpha]_D^{26}$ +14.73°.

(−)-form [6192-97-8]

Levopropylhexedrine, INN

Adrenergic agent, vasoconstrictor. Bp_9 80-81°.

B,HCl: Mp 138-139° dec. $[\alpha]_D^{26}$ −14.74°.

(±)-form

Oil. Bp 205°, Bp_{20} 92-93°.

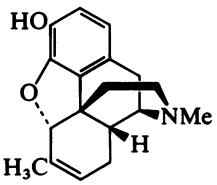
B,HCl: Mp 127-128° dec.

Zenitz, B.L. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1117 (*synth*)
U.S.P., 2 454 746, (*1949*); *CA*, **43**, 1802 (*synth*)
Dick, R.W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1967, **170**, 333 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1445, 1446.

Methyldesorphine, BAN, INN M-00243

6,7-Didehydro-4,5-epoxy-6,17-dimethylmorphinan-3-ol, 9CI. 6-Methyl-Δ⁶-deoxymorphine. Methyldesomorphine. MK 57

[16008-36-9]



$C_{18}H_{21}NO_2$ M 283.369
Narcotic analgesic. Cryst. (Me_2CO). Mp 239-240°. Related to Desomorphine, D-00100 .

Brown, H.D. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 6238 (*synth*)
Orahovats, P.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1955, **114**, 100 (*pharmacol*)

N-Methyldibenzylamine M-00244

N-*Methyl*-N-(*phenylmethyl*)*benzenemethanamine, 9CI. Dibenzylmethylamine.* ***Dibemethine, INN****. L566. DBMA. Revoxyl*

[102-05-6]

$(PhCH_2)_2NMe$

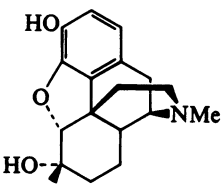
$C_{15}H_{17}N$ M 211.306
Analgesic. Bp 304-305°, Bp_1 143°.
Picrate: Cryst. (EtOH aq.). Mp 107°.

Emde, H., *Arch. Pharm.* (*Weinheim, Ger.*), 1909, **247**, 367; 1911, **249**, 115 (*synth*)
Goss, F.R. *et al*, *J. Chem. Soc.*, 1926, 2457 (*synth*)
Nickerson, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1949, **97**, 25 (*pharmacol*)
Aihara, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1972, **45**, 1942 (*pmr*)
Moehrle, H. *et al*, *Pharmazie*, 1978, **33**, 784 (*synth*)
Holland, H.L. *et al*, *Tetrahedron Lett.*, 1979, **36**, 3395 (*synth*)

Methyldihydromorphine, INN M-00245

4,5-Epoxy-6,17-dimethylmorphinan-3,6-diol, 9CI. Dihydro-6-methylmorphine, 8CI. 3,6-Dihydroxy-6, N-dimethyl-4,5-epoxymorphinan. Methydromorphine

[509-56-8]



$C_{18}H_{23}NO_3$ M 301.385
Narcotic analgesic. Mp 209-211°. $[\alpha]_D^{20}$ −147° (c, 1.02 in EtOH).
▷QC8930000.
B,HCl: Mp 308-309°. $[\alpha]_D^{20}$ −121° (c, 1.04 in EtOH).

Small, L.F. *et al*, *J. Org. Chem.*, 1947, **12**, 284 (*synth*)
Keats, A.S. *et al*, *J. Pharmacol. Exp. Ther.*, 1952, **105**, 109 (*pharmacol*)
Rapoport, H. *et al*, *J. Org. Chem.*, 1957, **22**, 1489 (*synth*)

2-Methyl-3,5-dinitrobenzoic acid, 9CI M-00246

3,5-Dinitro-o-*toluic acid, 8CI. 4,6-Dinitro*-o-*toluic acid (incorrect)*

[28169-46-2]



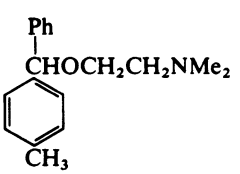
$C_8H_6N_2O_6$ M 226.145
Needles (H_2O). Mp 205-206°.
▷Mod. toxic, TLV 5
Me ester: [52090-24-1].
$C_9H_8N_2O_6$ M 240.172
Needles (MeOH). Mp 74-75°.
Et ester:
$C_{10}H_{10}N_2O_6$ M 254.199
Mp <15°. Bp_{750} 204°.
Chloride: [39614-85-2].
$C_8H_5ClN_2O_5$ M 244.591
Needles (pet. ether). Mp 68°.
Amide: [148-01-6]. *2-Methyl-3,5-dinitrobenzamide, 9CI.* ***Dinitolmide, BAN, INN****. Abilene. Salcostat. Whitsyn T. Zamix. Zoalene. Zoamix.*
$C_8H_7N_3O_5$ M 225.160
Poultry feed additive. Coccidiostat. Needles (EtOH aq.). Mp 181°.
▷Has exploded on drying in bulk. XS4200000.
Nitrile: [948-31-2]. *1-Cyano-2-methyl-3,5-dinitrobenzene.*
$C_8H_5N_3O_4$ M 207.145
Mp 86.5-88.5°.

v. Scherpenzeel, L., *Recl. Trav. Chim. Pays-Bas*, 1901, **20**, 149 (*synth*)
Eder, R. *et al*, *Helv. Chim. Acta*, 1923, **6**, 976 (*synth*)
McGookin, A. *et al*, *J. Soc. Chem. Ind., London*, 1940, **59**, 92 (*synth, esters, amide*)
Aldrich Library of IR Spectra, 732D (*ir*)
Org. Synth., Coll. Vol., **5**, 480 (*nitrile*)
Joyner, L.P., *Res. Vet. Sci.*, 1960, **1**, 363 (*Amide*)
Peterson, E.H., *Poultry Sci.*, 1960, **39**, 739 (*Amide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12665.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1106.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 311.

p-Methyldiphenhydramine M-00247

N,N-*Dimethyl-2-*[(*4-methylphenyl*)*phenylmethoxy*]-*ethanamine, 9CI.* N,N-*Dimethyl-2-*[(p-*methyl-α-phenylbenzyl*)*oxy*]*ethylamine. 2-Dimethylaminoethyl 4-methylbenzhydryl ether. Neo-Benodine. Toladryl. AH 853. BS 556*

[19804-27-4]

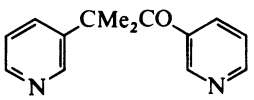


$C_{18}H_{23}NO$ M 269.386
(+)-***form*** [15832-68-5]
B,HCl: [24218-13-1]. Mp 148-150°. $[\alpha]_D$ +13° (EtOH).

(±)-*form* [33431-07-1]
Antihistamine. $Bp_{0.1}$ 143°.
B,HCl: Cryst. (Me_2CO). Mp 150-152°.
U.S.P., 2 527 962, (*1950*); *CA*, **45**, 2156c (*synth, props*)
McGavack, T.H. *et al*, *J. Allergy*, 1950, **21**, 353 (*pharmacol*)
B.P., 683 483, (*1952*); *CA*, **48**, 728
Harms, A.F. *et al*, *J. Med. Chem.*, 1960, **2**, 57 (*synth*)
Muraoka, M. *et al*, *Chem. Pharm. Bull.*, 1960, **8**, 860 (*synth*)
Van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 2010 (*resoln*)
Rekker, R.F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 688 (*pharmacol*)

2-Methyl-1,2-di-3-pyridyl-1-propanone, 9CI M-00248

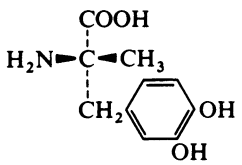
Metyrapone, BAN, INN, JAN, USAN. *Metopirone. Mepyrapone*
[54-36-4]



$C_{14}H_{14}N_2O$ M 226.277
Used for determination of pituitary function. Mp 50-51°.
▷UC3050000.
Oxime: [87372-66-5]. Mp 175-177°.
Tartrate: [908-35-0]. *Metyrapone tartrate, USAN.*
▷UC3060000.
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Vdovina, R.G. *et al*, *Zh. Prikl. Khim.*, 1965, **38**, 2607 (*synth*)
Sprunt, J.G. *et al*, *Mem. Soc. Endocrinol.*, 1968, **17**, 193 (*pharmacol*)
Damani, L.A. *et al*, *Biomed. Mass Spectrom.*, 1981, **8**, 270 (*ms, deriv*)
Robien, W., *Monatsh. Chem.*, 1983, **114**, 365 (*pmr*)
Rossi, M., *J. Med. Chem.*, 1983, **26**, 1246 (*cryst struct*)
Sonino, N. *et al*, *Adrenal Steroid Antagonism. Proc.-Satell. Workshop Int. Congr. Endrocrinol.*, 1984, 341 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2139, 2140.

α-Methyldopa M-00249

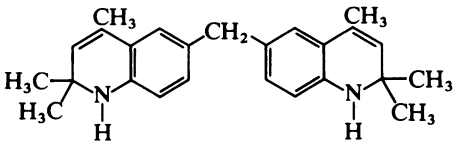
3-Hydroxy-α-methyltyrosine, 9CI. α-Amino-3,4-dihydroxy-α-methylhydrocinnamic acid. 2-Amino-3-(3,4-dihydroxyphenyl)-2-methylpropanoic acid. α-Methyl-3,4-dihydroxyphenylalanine. L-3-(3,4-Dihydroxyphenyl)-2-methylalanine, 8CI



$C_{10}H_{13}NO_4$ M 211.217
(*S*)-*form* [41372-08-1]
L-form. ***Methyldopa, BAN, USAN, INN.*** *Aldomet. Dopamet. Hydromet. Medomet. Numerous proprietary names*
Antihypertensive agent. Cryst. + $\frac{1}{2}H_2O$ (H_2O), cryst. + $\frac{3}{2}H_2O$ (0.5% H_2SO_3), powder (anhyd.). Spar. sol. H_2O, prac. insol. most org. solvs. Mp 306-307° dec. $[\alpha]_D^{25}$ −5.2° (c, 2.0 in 0.1N HCl), $[\alpha]_D^{20}$ −14° (c, 1.09 in H_2O). pK_a ≃5.0.
Et ester: [6014-30-8]. ***Methyldopate, BAN.***
$C_{12}H_{17}NO_4$ M 239.271
Antihypertensive agent. Amorph. $[\alpha]_D$ −10° (c, 1 in 1*N* HCl).
Et ester; B,HCl: [2508-79-4]. *Methyldopate hydrochloride, USAN.* Cryst.
B.P., 936 074, (*1963*); *CA*, **72**, 90873 (*synth ester*)
Tristram, E.W. *et al*, *J. Org. Chem.*, 1964, **29**, 2053 (*resoln*)
Weinges, K. *et al*, *Chem. Ber.*, 1971, **104**, 3594.
Suzuki, M. *et al*, *Chem. Ind. (London)*, 1972, 687 (*synth*)
Yamada, S. *et al*, *J. Org. Chem.*, 1975, **40**, 3360 (*synth*)
Scriabine, A., *Pharmacology of Antihypertensive Drugs*, 1980, Raven, New York, 53 (*rev, pharmacol*)
Neuman, A. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 2124 (*cryst struct*)
Seebach, D. *et al*, *Helv. Chim. Acta*, 1985, **68**, 144 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 882, 883.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1602.

6,6'-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], 9CI M-00250

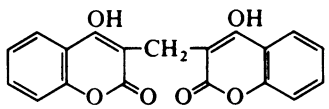
Bis(2,2,4-trimethyl-1,2-dihydroquinolin-6-yl)methane. Sensorad. MTDQ
[41208-07-5]



$C_{25}H_{30}N_2$ M 358.525
Antineoplastic agent (radiosensitiser). Cryst. (heptane). Mp 83-86°.
▷VC0600000.
Ger. Pat., 2 243 777, (*1973*); *CA*, **78**, 159455 (*synth*)
Bar, V. *et al*, *Neoplasma*, 1977, **24**, 253 (*props*)
Astor, M. *et al*, *Br. J. Cancer*, 1979, **39**, 510 (*pharmacol*)
Magdon, E. *et al*, *Radiobiol. Radiother.*, 1980, **21**, 23 (*pharmacol*)
Nogradi, M. *et al*, *Pharmazie*, 1982, **37**, 126 (*pmr, ms*)

3,3'-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one), 9CI M-00251

3,3'-Methylenebis-4-hydroxycoumarin, 8CI. Dicoumarin. ***Dicoumarol, INN.*** *Dufalone. Melitoxin. Numerous proprietary names*
[66-76-2]



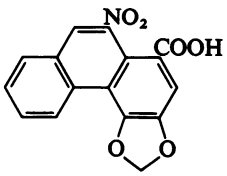
$C_{19}H_{12}O_6$ M 336.300
Haemorrhagic agent causing "sweet clover" disease in cattle; vitamin *K* antagonist. Cryst. (cyclohexanone). Mp 288-289°. λ_{max} 288 (log ε 2.63), 308.5 (2.69) and 323.5 nm (2.61) (cyclohexane).
▷Mod. toxic. GN7875000.
Di-Ac:
$C_{23}H_{16}O_8$ M 420.375
Cryst. (C_6H_6). Mp 250-252° dec.
Stahmann, M.A. *et al*, *J. Biol. Chem.*, 1941, **138**, 21, 513, 529 (*isol, synth, uv*)
Wittmann, H. *et al*, *Monatsh. Chem.*, 1965, **96**, 1200 (*synth*)
Hutchinson, D.W. *et al*, *Tetrahedron*, 1969, **25**, 2531 (*ir, pmr, struct*)
Levy, G., *J. Pharmacokinet. Biopharm.*, 1973, **1**, 541 (*rev*)
Owen, C.A., *Mayo Clin. Proc.*, 1974, **49**, 912 (*rev, pharmacol*)
Kirkiacharian, B.S. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1977, **284**, 697 (*cmr*)
Alcock, N.W. *et al*, *Acta Crystallogr., Sect. B*, 1978, **28**, 1957 (*cryst struct*)
Hayward, R.C., *J. Chem. Educ.*, 1984, **61**, 87 (*synth*)

Griminger, P., *J. Nutr.*, 1987, **117**, 1325 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5099.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4811.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 420.

3,4-Methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid M-00252

6-Nitrophenanthro[3,4-d]-1,3-dioxole-5-carboxylic acid, 9CI. ***Aristolochic acid II.*** *Aristolochic acid* B. *Nor-aristolochic acid*

[475-80-9]



$C_{16}H_9NO_6$ M 311.250

Alkaloid from *Aristolochia argentina, A. clematitis, A. esperanzae, A. longa, A. manshuriensis, A. rotunda, A. pallida, A. sipho* (*A. durior*) and from the Chinese drugs Ching-Mu-Hsiang (roots of *A. debilis*) and Fang-chi (Aristolochiaceae). Yellow plates (MeOH/EtOAc), orange-yellow cryst. (Me_2CO). Mp 270-272° (264-268°) dec.

Me ester: [3580-54-9]. ***Aristolochic acid II methyl ester.***
$C_{17}H_{11}NO_6$ M 325.277
Alkaloid from the roots of *A. argentina* (Aristolochiaceae). Yellow needles (MeOH), cryst. ($CHCl_3$). Mp 277° (274-275°).

Alanine amide: ***2-(Phenanthro[3,4-d]-1,3-dioxole-6-nitro-5-carboxamido)propanoic acid, 9CI.***
$C_{19}H_{14}N_2O_7$ M 382.329
Alkaloid from the roots of *A. longa* (Aristolochiaceae).

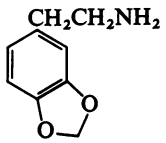
Alanine amide, Me ester: Pale-yellow cryst. (MeOH). Mp 252-253° dec. $[\alpha]_D$ −133° (c, 0.57 in $CHCl_3$).

Pailer, M. *et al, Monatsh. Chem.*, 1957, **88**, 367; 1965, **96**, 863 (*uv, ms, struct*)
Tseng, K.-F. *et al, Hua Hsueh Hsueh Pao*, 1957, **23**, 156; *CA*, **52**, 13188g (*isol*)
Kupchan, S.M. *et al, J. Org. Chem.*, 1965, **30**, 3792 (*synth, uv, ir, ester*)
Schunack, W. *et al, Pharmazie*, 1965, **20**, 685 (*isol*)
Carboni, S. *et al, Gazz. Chim. Ital.*, 1966, **96**, 641 (*isol, ir*)
Priestap, H.A. *et al, Anal. Asoc. Quim. Arg.*, 1971, **59**, 245; *CA*, **76**, 43943w (*isol*)
Ruecker, G. *et al, Planta Med.*, 1975, **27**, 68 (*isol*)
Cisowski, W. *et al, Rocz. Chem.*, 1977, **51**, 2125 (*isol, uv, ir*)
Halm, I., *Herba Hung.*, 1980, **19**, 179; *CA*, **93**, 245336n (*isol*)
Podolesov, B. *et al, Acta Pharm. Jugosl.*, 1981, **31**, 249; *CA*, **98**, 82732j (*isol, uv*)
Priestap, H.A. *et al, Phytochemistry*, 1982, **21**, 2755 (*isol, ester*)
De Pascual Teresa, J. *et al, Phytochemistry*, 1983, **22**, 2745 (*isol, ir, pmr, ms, synth, amide*)

2-(3,4-Methylenedioxyphenyl)ethylamine M-00253

Homopiperonylamine

[1484-85-1]



$C_9H_{11}NO_2$ M 165.191

Pharmaceutical intermediate. d_{20}^{20} 1.225. Bp_{10} 146-148°.

▷SH9670000.

B,HCl: [1653-64-1]. Mp 210-211°.

▷SH9710000.

Picrate: Mp 160° dec.

N-*Ac:* Mp 104-105°.

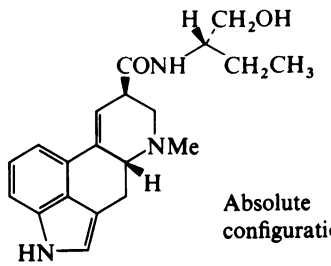
N-*Me:* [451-77-4]. ***Homarylamine, INN.***
$C_{10}H_{13}NO_2$ M 179.218
Antitussive.

Semmler, F.W. *et al, Ber.*, 1908, **41**, 2751 (*synth*)
Kindler, K. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1931, **269**, 70 (*synth*)
Hahn, G. *et al, Ber.*, 1934, **67**, 1486 (*synth*)
U.S.P., 2 820 739, (*1958*); *CA*, **52**, 6728 (*pharmacol, deriv*)
Schmidt, J.L. *et al, J. Pharmacol. Exp. Ther.*, 1963, **139**, 230 (*pharmacol, deriv*)
Costakis, E.E. *et al, Chem. Chron.*, 1975, **4**, 59; *CA*, **86**, 5351a (*use*)

Methylergometrine, BAN, INN M-00254

9,10-Didehydro-N-[1-(hydroxymethyl)propyl]-6-methylergoline-8-carboxamide, 9CI. N-[*1-(Hydroxymethyl)propyl*]-D-*lysergamide.* D-*Lysergic acid-(+)-butanolamide-(2). Methylergobasine. Methylergobrevine. Methylergonovine*

[113-42-8]



Absolute configuration

$C_{20}H_{25}N_3O_2$ M 339.436

Uterine stimulant. Prisms ($MeOH/Me_2CO$). Mp 172°. $[\alpha]_D$ −45° (Py).

▷KE5425000.

Hydrogen maleate: [57432-61-8]. *Methylergonovine maleate, USAN. Elamidon. Ergobacin. Ergotyl. Levospan. Methergin. Myomergin. Ryegonouin. Utergine. Numerous proprietary names.*

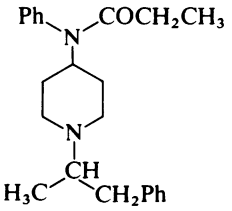
▷KE5500000.

Stoll, A. *et al, Helv. Chim. Acta*, 1943, **46**, 944 (*synth*)
Coombs, R.A. *Arch. Mass Spectral Data*, 1971, **2**, 748 (*ms*)
Mantyla, R. *et al, Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1981, **19**, 386 (*rev*)
Bredberg, U. *et al, Eur. J. Clin. Pharmacol.*, 1986, **30**, 75 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5808.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1512.
Sittig, M., *Pharmaceutical Manufacturing Encyclopaedia*, 2nd Ed., Noyes Publications, New Jersey, 1988, 993.

α-Methylfentanyl M-00255

N-[1-(1-Methyl-2-phenylethyl)-4-piperidinyl]-N-phenylpropanamide, 9CI

[79704-88-4]



$C_{23}H_{30}N_2O$ M 350.503

(±)-form

Illegally synthesised drug of abuse (opiate).

B,HCl: Cryst. (2-propanol). Mp 272.8-273.6°.

Suzuki, S. *et al, Chem. Pharm. Bull.*, 1986, **34**, 1340 (*synth, struct, pmr, cmr, ms, bibl*)

6-Methyl-5-hepten-2-amine, 9CI M-00256

1,5-Dimethyl-4-hexenylamine, 8CI. 6-Amino-2-methyl-2-heptene. Isooctenylamine

$(H_3C)_2C{=}CHCH_2CH_2CH(NH_2)CH_3$

$C_8H_{17}N$ M 127.229

(±)-form

N-*Me:* [503-01-5]. N,*6-Dimethyl-5-hepten-2-amine, 9CI.* N,*1,5-Trimethyl-4-hexenylamine, 9CI. 2-Methyl-6-methylamino-2-heptene. Methylisooctenylamine.* ***Isometheptene, INN.*** *Octin. Octon. Octanil. Meptine. Methepton. Migrinil. Numerous proprietary names.*
$C_9H_{19}N$ M 141.256
Sympathomimetic, spasmolytic agent. Oil with amine odour. Mp 176-178°. Steam-volatile. Also used as mucate salt.

▷MP9100000.

N-*Me; B,HCl:* [6168-86-1]. Hygroscopic powder. Mp 68°.

▷MP9625000.

Tartrate: [5984-50-9]. *Isometene. Isometh. Isomyl. Tega-Nyl. Tri-Grain.*

▷MP9800000.

Walton, R.P. *et al, J. Pharmacol. Exp. Ther.*, 1948, **92**, 214 (*synth*)
Cammarata, A. *et al, J. Med. Chem.*, 1976, **19**, 825 (*pharmacol*)
Donike, M. *et al, Fresenius' Z. Anal. Chem.*, 1976, **279**, 129 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2072, 2073.

6-Methyl-2-heptylamine, 9CI M-00257

1,5-Dimethylhexylamine. 2-Amino-6-methylheptane. ***Octodrine, USAN.*** *Isoctaminium. SKF 51*

[543-82-8]

$(H_3C)_2CHCH_2CH_2CH_2CH(NH_2)CH_3$

$C_8H_{19}N$ M 129.245

▷MQ4840000.

(±)-form

Vascoconstrictor, local anaesthetic. Viscous liq. Bp 154-156°, Bp_{28} 62-63°.

N-*Isopropyl:* [13946-02-6]. ***Iproheptine, INN.***
$C_{11}H_{25}N$ M 171.325
Antihistamine, nasal decongestant. Bp_{15} 75°.

N-*Isopropyl; B,HCl:* [4013-92-7]. *Susat.* Mp 161°.

Rohrmann, E. *et al, J. Am. Chem. Soc.*, 1944, **66**, 1516 (*synth*)
Ger. Pat., 860 055, (*1952*); *CA*, **53**, 5195 (*synth*)
Ota, Y. *et al, CA*, 1961, **55**, 3825 (*synth*)
Japan. Pat., 62 4 853, (*1962*); *CA*, **59**, 446g (*Iproheptine*)

(1-Methylheptyl)hydrazine, 9CI M-00258

2-Hydrazinooctane. 2-Octylhydrazine. ***Octamoxin, INN.*** *Ximaol. D 15-14*

[4684-87-1]

$H_3C(CH_2)_5CH(CH_3)NHNH_2$

$C_8H_{20}N_2$ M 144.259

(−)-form [65500-65-4]
$[\alpha]_D$ −10.6° (EtOH).

Oxalate (1:1): [65500-66-5]. $[\alpha]_D$ −12.0° (EtOH).

(±)-form

Antidepressant (monoamine oxidase inhibitor).

B,H_2SO_4: [3845-07-6]. *Nimaol.* Mp 78-80°.

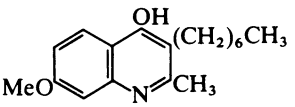
Oxalate (1:1): Mp 133-134°.

B.P., 899 385, (*1962*); *CA*, **58**, 1346d (*synth, pharmacol*)
Boissier, J.R. *et al, Therapie*, 1967, **22**, 367 (*pharmacol*)
Brown, D.M. *et al, J. Chem. Soc., Perkin Trans. 1*, 1977, 2052 (*synth*)

2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline M-00259

3-Heptyl-7-methoxy-2-methyl-4-quinolinol, 9CI. Endochin. SN 13421

[4939-34-8]



$C_{18}H_{25}NO_2$ M 287.401

Antimalarial. Coccidiostat. Glistening needles (EtOH aq.). Mp 218.5-219°.

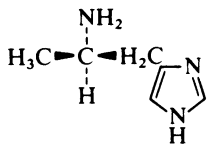
Picrate: Cryst. (EtOH aq.). Mp 172-172.5°.

Leonard, N.J. *et al, J. Am. Chem. Soc.*, 1946, **68**, 1279 (*synth*)
Salzer, W. *et al, Chem. Ber.*, 1948, **81**, 12 (*synth, props*)
U.S.P., 3 636 216, (*1972*); *CA*, **76**, 144843 (*use*)

α-Methylhistamine M-00260

α-Methyl-1H-imidazole-4-ethanamine, 9CI. 4-(2-Aminopropyl)imidazole, 8CI

[6986-90-9]



(R)-form

$C_6H_{11}N_3$ M 125.173

(R)-form [75614-87-8]

Potent selective histamine-3 receptor agonist which crosses blood-brain barrier.

B,2HCl: [75614-89-0]. Mp 176°. $[\alpha]_{589}^{20}$−5.1° (c, 0.01 in H_2O).

Dipicrate: [75614-88-9]. Cryst. (H_2O). Mp 182°.

Oxalate: Mp 170°.

(±)-form

$Bp_{0.01}$ 132°.

Dipicrate: Bright-yellow prisms (H_2O). Mp 202-204° as monohydrate.

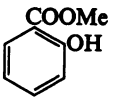
Ison, R.R. *et al, J. Med. Chem.*, 1970, **13**, 1027 (*synth*)

Dawborne, J.S., *Org. Mass Spectrom.*, 1972, **6**, 211 (*ms*)
Ganellin, C.R. *et al*, *J. Med. Chem.*, 1973, **16**, 616 (*conformn*)
Gerhard, G. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1980, **313**, 709, 780 (*synth, pharmacol, conformn*)
Barth, H. *et al*, *Agents Actions*, 1984, **14**, 346 (*activity*)
Schunack, W. *et al*, *Adv. Biosci.*, 1985, **51**, 39 (*pharmacol, synth*)

Methyl 2-hydroxybenzoate M-00261

2-Hydroxybenzoic acid methyl ester, 9CI. Salicyclic acid methyl ester, 8CI. Methyl salicylate. Oil of wintergreen

[119-36-8]



$C_8H_8O_3$ M 152.149

Found in leaves of *Gaultheria procumbens* (Ericaceae) and the bark of *Betula lenta* (Betulaceae). Used as perfumery and flavouring material. Oil with characteristic odour. $d_4^{18.5}$ 1.851. Mp −8.6°. Bp 223.3°, Bp_{12} 101°. Component of Theragesic.

▷Mod. toxic orally. VO4725000.

Phenyl ether: [14389-86-7].
$C_{14}H_{12}O_3$ M 228.247
Bp 312°. Bitter taste.

Benzoyl: [610-60-6].
$C_{15}H_{12}O_4$ M 256.257
Antipyretic. Prisms (EtOH or Et_2O/EtOAc). Mp 92°. Bp_{120} 270-280°.

Tijmstra, S., *Ber.*, 1905, **38**, 1377.
Cohen, J.B. *et al*, *J. Chem. Soc.*, 1910, **97**, 1742.
U.S.P., 1 945 177, (*1934*); *CA*, **28**, 2365
Hallas, G., *J. Chem. Soc.*, 1965, 5770.
Scott, K.N., *J. Magn. Reson.*, 1970, **2**, 361 (*pmr*)
Bowie, J.H. *et al*, *Org. Mass Spectrom*, 1974, **9**, 1006 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 832.

(Methylidynetrithio)triacetic acid M-00262

2,2',2''-[Methylidynetris(thio)]tris[acetic acid], 9CI. ***Ritiometan, INN***

[34914-39-1]

$CH(SCH_2COOH)_3$

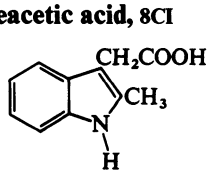
$C_7H_{10}O_6S_3$ M 286.332

Detoxicant. Rhinitic and used in treatment of liver disorders. Leaflets (H_2O). Mp 173°.

Magnesium salt: [59672-35-4]. *Ritiometane magnesium. Eparsolfo-Smit active substance. Necyrane active substance.*

Holmberg, B., *Justus Liebigs Ann. Chem.*, 1907, **353**, 131, 133 (*synth*)
Houben, J., *Ber.*, 1912, **45**, 2943 (*synth*)
Brink, M. *et al*, *Tetrahedron*, 1971, **27**, 5713 (*pmr*)
Canonne, J. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2664 (*cryst struct*)

2-Methyl-3-indoleacetic acid, 8CI M-00263



$C_{11}H_{11}NO_2$ M 189.213

Cryst. (MeOH). Mp 198°.

N-*Benzoyl:* [16401-80-2]. *1-Benzoyl-2-methyl-3-indoleacetic acid, 8CI.* ***Delmetacin, INN.*** *Demetacin. UR 2310.*
$C_{18}H_{15}NO_3$ M 293.321
Analgesic, antipyretic, antiinflammatory agent. Mp 167-168°.

Me ester: [78564-10-0].
$C_{12}H_{13}NO_2$ M 203.240
Cryst. (pet. ether). Mp 67°.

Amide: [58360-14-8]. *2-Methyl-1H-indole-3-acetamide, 9CI.*
$C_{11}H_{12}NO$ M 174.222
Cryst. Mp 96°.

Nitrile: [4071-16-3]. *2-Methyl-1H-indole-3-acetonitrile.*
$C_{11}H_{10}N$ M 156.207
Cryst. (Et_2O). Mp 108-109°.

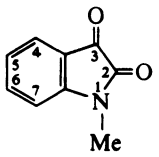
Hydrazide: [21909-51-3]. Mp 164°.

Netherlands Pat., 6 605 169, (*1966*); *CA*, **67**, 90668j (*synth, pharmacol*)
Rimbau, V. *et al*, *Arch. Farmacol. Toxicol.*, 1982, **8**, 201 (*deriv*)
Teuber, H.-J. *et al*, *Justus Liebigs Ann. Chem.*, 1983, 1744 (*synth*)

1-Methylisatin M-00264

1-Methyl-1H-indole-2,3-dione, 9CI

[2058-74-4]



$C_9H_7NO_2$ M 161.160

Red-yellow needles (H_2O). Sol. MeOH, hot H_2O, mod. sol. Et_2O. Mp 134°. Dimorphous (both forms orthorhombic). Stable in air.

▷NL7939000.

2-Oxime:
$C_9H_8N_2O_2$ M 176.174
Needles (H_2O). Mp 189-192°.

2-Oxime, Ac:
$C_{11}H_{10}N_2O_3$ M 218.212
Yellow cryst. Mp 154-155°.

3-Hydrazone:
$C_9H_9N_3O$ M 175.190
Yellow needles (EtOH). Mp 107-108°.

3-Phenylhydrazone: Yellow needles (EtOH). Sol. hot EtOH, C_6H_6, spar. sol. Et_2O, insol. ligroin. Mp 145-146°.

2-Anil:
$C_{15}H_{12}N_2O$ M 236.273
Yellowish-red prisms. Mp 132°.

3-(Thiosemicarbazone): [1910-68-5]. ***Methisazone, BAN, USAN.*** *Metisazone, INN. Marboran. NSC 69811. BW 33-T-57.* Antiviral agent. Orange-yellow powder. Mp 245°.

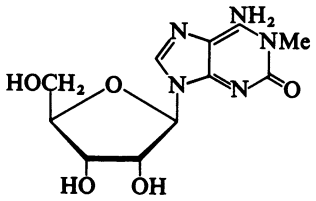
▷NL7960000.

Borsche, W., *Ber.*, 1921, **54**, 2851.
Butcher, M., *Org. Mass Spectrom.*, 1971, **5**, 759 (*ms*)
Heinisch, L. *et al*, *J. Prakt. Chem.*, 1972, **314**, 682 (*deriv*)
Galasso, V. *et al*, *Org. Magn. Reson.*, 1975, **7**, 591.
Gassmann, P.G. *et al*, *J. Org. Chem.*, 1977, **42**, 1344 (*synth, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1684.

1-Methylisoguanosine M-00265

N,6-Didehydro-1,2,3,6-tetrahydro-1-methyl-2-oxoadenosine, 9CI. Doridosine

[73027-05-1]



$C_{11}H_{15}N_5O_5$ M 297.270

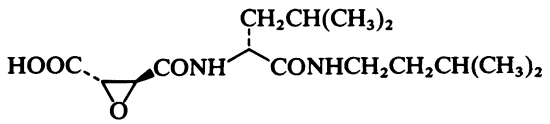
Nucleoside antibiotic. Obt. from the marine sponges *Tedania digitata* and *Anisodoris nobilis*. Shows antiinflammatory and muscle relaxant props. Long-acting hypertensive agent. Mp 262-263°. $[\alpha]_{589}^{24}$ −65.4° (c, 1.0 in DMSO), $[\alpha]_D^{22}$ −54.6° (c, 1.0 in H_2O).

Cook, A.F. *et al*, *J. Org. Chem.*, 1980, **45**, 4020.
Fuhrman, F.A. *et al*, *Science*, 1980, **207**, 193; 1981, **212**, 557 (*isol, pharmacol*)
Quinn, R.J. *et al*, *Tetrahedron Lett.*, 1980, **21**, 567 (*isol, struct, synth*)
Kim, Y.H. *et al*, *J. Nat. Prod.*, 1981, **44**, 206 (*isol, struct, pharmacol*)
Chern, J.-W. *et al*, *Tetrahedron Lett.*, 1985, **26**, 6419 (*synth*)
Nachman, R.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, 1315 (*synth*)

3-[3-Methyl-1-(3-methylbutylcarbamoyl)-butylcarbamoyl]-2-oxiranecarboxylic acid M-00266

E-64-C

[76684-89-4]



$C_{15}H_{26}N_2O_5$ M 314.381

Potent inhibitor of cysteine proteinases, on trial (1987) against muscular dystrophy.

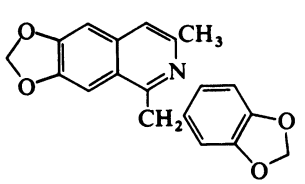
Et ester: [88321-09-9]. ***Aloxistatin, INN.***
$C_{17}H_{30}N_2O_5$ M 342.434
More soluble deriv. of parent acid, showing improved absorbability. Fine needles (EtOH). Mp 126.2°. $[\alpha]_D^{20}$ +51.7° (c, 1 in EtOH). Diastereoisomers also prepd.

Tamai, M. *et al*, *J. Pharmacobio-Dyn.*, 1986, **9**, 672 (*pharmacol*)
Tamai, M. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1098 (*bibl*)

3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline M-00267

5-[(1,3-Benzodioxol-5-yl)methyl]-7-methyl-1,3-dioxolo[4,5-g]isoquinoline, 9CI. 7-Methyl-5-piperonyl-1,3-dioxolo[4,5-g]isoquinoline, 8CI. Eupaverin. Syntaverin. Synthaverine

[550-73-2]



$C_{19}H_{15}NO_4$ M 321.332

Smooth muscle relaxant, papaverine analogue. Needles with blue fluor. Mp 141°.

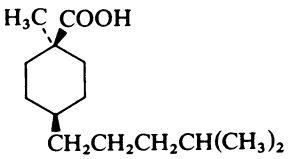
▷NX4540000.

B,HCl: [20226-08-8]. Cryst. (H_2O). Mp 158° (hydrate).

Matthes, K., *Arch. Exptl. Path. Pharmakol.*, 1944, **203**, 194 (*pharmacol*)
Fujisawa, M.J., *Pharm. Soc. Jpn.*, 1945, **65**, 1; *CA*, **46**, 116a (*synth*)
Hruban, L. *et al*, *Collect. Czech. Chem. Commun.*, 1970, **35**, 3420 (*uv*)

1-Methyl-4-(4-methylpentyl)-cyclohexanecarboxylic acid M-00268

4-Isohexyl-1-methylcyclohexanecarboxylic acid, 9CI. Loxanast, INN. IG-10



$C_{14}H_{26}O_2$ M 226.358

cis-form [69915-62-4]

Antiinflammatory, antiasthmatic, antiallergic agent. Needles (MeCN). Mp 92-94°.

trans-form

Prisms (MeCN). Mp 51-53°.

Ger. Pat., 2 818 879, (*1979*); *CA*, **90**, 187340j (*synth, pharmacol*)

α-Methyl-*N*-(1-methyl-2-phenoxyethyl)-phenethylamine, 8CI M-00269

α-Methyl-N-(1-methyl-2-phenoxyethyl)-benzeneethanamine, 9CI

$PhOCH_2CH(CH_3)NHCH(CH_3)CH_2Ph$

$C_{18}H_{23}NO$ M 269.386

(+)-***form*** [15687-08-8]

Dextrofemine, INN. *Marsyl*

Uterine spasmolytic. Muscle relaxant. Stereochem. unspecified.

B,HCl: Mp 186-187°. $[\alpha]_D^{21}$ +22° (c, 1 in EtOH).
Fumarate(1:1): Mp 164-165°. $[\alpha]_D^{20}$ +19° (c, 1 in EtOH).

(***2RS,2'RS*)-*form*** [22232-57-1]

threo-(±)-*form.* ***Racefemine, INN.*** *Dysmalgine. Evalgin. CB 3697*

Uterine spasmolytic.

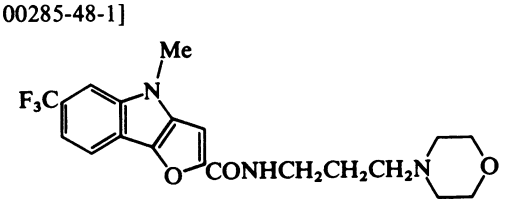
B,HCl: Mp 156-157°.

Fr. Pat., M 3 683, (*1965*); *CA*, **66**, 55204 (*synth, pharmacol*)
Schmitt, J. *et al*, *Chim. Ther.*, 1966, 71 (*synth, pharmacol*)
Schaeffer, J.C. *et al*, *J. Pharm. Sci.*, 1976, **65**, 122 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5244.

4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, 9CI M-00270

FI 302

[100285-48-1]



$C_{20}H_{22}F_3N_3O_3$ M 409.407

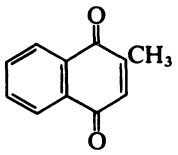
Nonsteroidal antiinflammatory agent, also showing central and peripheral analgesic action. Powder. Mp 155-156°.

Amanuma, F. *et al*, *J. Pharmacobio.-Dyn.*, 1985, **8**, 687.
Japan. Pat., 60 139 693, (*1985*); *CA*, **104**, 885101 (*synth*)
Kameyama, T. *et al*, *J. Pharmacobio.-Dyn.*, 1985, **8**, 477.
Amanuma, F. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 2973 (*pharmacol*)

2-Methyl-1,4-naphthoquinone M-00271

2-Methyl-1,4-naphthalenedione, 9CI. ***Menadione, USAN. Vitamin K$_3$. Kanone. Kappaxin. Kayquinone. Thyloquinone. Other synonyms***

[58-27-5]



$C_{11}H_8O_2$ M 172.183

Antihaemorrhagic factor, prothrombogenic vitamin (synthetic). Bright-yellow cryst. (ligroin, AcOH aq. or EtOH). Insol. H_2O, spar. sol. EtOH. Mp 104-105°. Dec. in light. Steam-volatile.

▷QL9100000.

4-Oxime:
$C_{11}H_9NO_2$ M 187.198
Platelets (EtOH). Mp 165-170° dec.

Dioxime:
$C_{11}H_{10}N_2O_2$ M 202.212
Mp 166-168°.

Sodium hydrogen sulfite compd.: [130-37-0]. *1,2,3,4-Tetrahydro-2-methyl-1,4-dioxo-2-naphthalenesulfonic acid sodium salt. Menadione sodium bisulfite, INN. Vitaplex K. Hemodal. Kavitan. Other synonyms.* Cryst. + $3H_2O$.

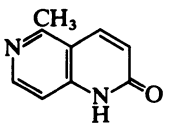
Potassium hydrogen sulfite compd.: [73239-80-2]. *Libavit K.* Prothrombogenic vitamin.

Fieser, L.F., *J. Biol. Chem.*, 1940, **133**, 391 (*synth*)
Moore, M.B. *et al*, *J. Am. Chem. Soc.*, 1941, **63**, 2049 (*synth*)
Gaertner, R., *J. Am. Chem. Soc.*, 1954, **76**, 6150 (*synth*)
Hahn, I. *et al*, *Pharmazie*, 1956, **11**, 91 (*pharmacol*)
Tanaka, T., *Pharm. Bull.*, 1957, **5**, 82 (*synth*)
Weygand, F. *et al*, *Chem. Ber.*, 1957, **90**, 1879 (*synth*)
Rappoport, H. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 1226 (*ms*)
Kim, J.Y. *et al*, *Tetrahedron Lett.*, 1972, 3079.
Thompson, R.M. *et al*, *Res. Commun. Chem. Pathol. Pharmacol.*, 1972, **4**, 543 (*metab*)
Konishi, T. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 220 (*metab*)
Kobayashi, M. *et al*, *Tetrahedron Lett.*, 1976, 619 (*nmr*)
Altinkurt, O. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 41, 286 (*activity*)
Torii, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 1673 (*synth*)
Meyerson, M.L., *Spectrochim. Acta, Part A*, 1985, **41**, 1263 (*ir*)
Rao, A.V.R. *et al*, *Indian J. Chem., Sect. B*, 1985, **24**, 233 (*synth*)
Yoshida, T. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 3774 (*anal, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7906, 7907.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1813.

5-Methyl-1,6-naphthyridin-2(1*H*)-one, 9CI M-00272

Medorinone, INN. Win 49016

[88296-61-1]



$C_9H_8N_2O$ M 160.175

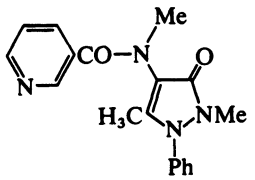
Cardiotonic. Cryst. (2-propanol). Mp 235-237°.

U.S.P., 4 415 580, (*1983*); *CA*, **100**, 139082 (*synth, pharmacol*)

Methylniphenazine M-00273

N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-N-methyl-3-pyridinecarboxamide, 9CI. *N-Methyl-N-antipyrinylnicotinamide. Metifenazone*

[34760-49-1]



$C_{18}H_{18}N_4O_2$ M 322.366

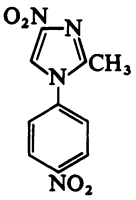
Analgesic, antiinflammatory agent. Cryst. (H_2O). Mp 181-183°.

Chiti, W., *Farmaco, Ed. Sci.*, 1960, **15**, 679 (*synth*)
Banci, F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1665 (*pharmacol*)
Chiti, W. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1739 (*pharmacol*)

2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, 9CI, 8CI M-00274

Nitrefazole, BAN, INN. Altimol. EMD 15700

[21721-92-6]



$C_{10}H_8N_4O_4$ M 248.198

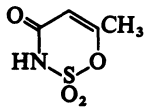
Used for treatment of alcoholism (aldehyde dehydrogenase inhibitor). Mp 185-187°.

B.P., 1 133 408, (*1968*); *CA*, **70**, 47456p (*synth, pharmacol*)
Nagarajan, K. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 1006 (*uv, pmr, ms*)
McMillan, D.E., *Drug. Dev. Res.*, 1983, **3**, 193 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13023.

6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, 9CI M-00275

3,4-Dihydro-6-methyl-1,2,3-oxathiazin-4-one 2,2-dioxide. ***Acesulfame, INN***

[33665-90-6]



$C_4H_5NO_4S$ M 163.148

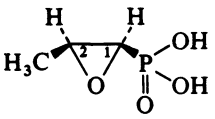
Sweetener. Needles ($CHCl_3$ or C_6H_6). Mp 123-123.5°.

K salt: [55589-62-3]. *Acesulfame-K.*
$C_4H_{14}KNO_4S$ M 211.317
Cryst. Mp 225° dec. (on slow heating).

Ger. Pat., 2 001 017, (*1971*); *CA*, **75**, 129843e (*synth, ir*)
Paulus, E.F. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1191 (*cryst struct*)
Clauss, K. *et al*, *Z. Lebensm. -Unters. Forsch.*, 1976, **162**, 37 (*synth, use*)
Von Rymon Lipinski, G.-W. *et al*, *Chem. Ind.* (*London*), 1983, 427 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14035.

(3-Methyloxiranyl)phosphonic acid, 9CI M-00276

(1,2-Epoxypropyl)phosphonic acid, 8CI
[23112-90-5]



$C_3H_7O_4P$ M 138.060

(2*R*,3*S*)-*form* [23155-02-4]
(−)-cis-*form*. **Fosfomycin, BAN, INN, USAN**. *Phosphonomycin. MK 955. Antibiotic MK 955. Antibiotic 833A. Numerous proprietary names*
Isol. from *Streptomyces* spp. Broad spectrum bactericide acting on early stages in synth. of cell wall. Low toxicity. V. effective against gram-(−)ve bacteria, incl. resistant *Saureus* spp.
▷SZ7890000.
Di-Na salt: [26016-99-9]. Solid. $[\alpha]_{405}^{28}$−14.0° (c, 5 in H_2O).
▷SZ7902000.
Ca salt: [26472-47-9]. *Fosfomycin calcium, JAN*. Solid. Mp >250°. $[\alpha]_{405}^{28}$−12° (in 0.4M ethylenediamine aq.), $[\alpha]_D$ +3.8° (c, 0.7 in H_2O).
Monobenzylammonium salt: [24349-90-4]. Solid. Mp 170-174° (sealed tube). $[\alpha]_{405}$−9.1° (c, 5 in H_2O).
Mono-(+)-1-phenylethylammonium salt: [25383-07-7]. Cryst. (EtOH). Mp 169-171° (131-132°, 139-140°). $[\alpha]_{405}^{28}$−2.6°.
Monoamphetamine salt: Cryst. (EtOH). Mp 163-165°.
Di-Me ester: [25484-41-7]. *Dimethyl (3-methyloxiranyl)phosphonate.*
$C_5H_{11}O_4P$ M 166.113
Liq. Bp_2 55-56°. $[\alpha]_D$ +6.11° (c, 4.33 in MeOH).

(2*S*,3*R*)-*form* [26017-03-8]
(+)-cis-*form*
Mono-(−)-α-phenylethylamine salt: [26016-89-7]. Cryst. (MeOH). Mp 125-126°. $[\alpha]_D^{20}$ −19.4° (DMF).
Di-Me ester: [25460-63-3]. Liq. $[\alpha]_D$ −6.0° (c, 2.75 in MeOH).

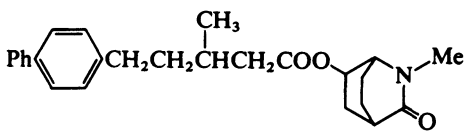
(2*RS*,3*SR*)-*form*
(±)-cis-*form*
Mono(benzylammonium) salt: [25489-13-8]. Cryst. (EtOH). Mp 155-157° (152-155°).
Bis(ethylammonium) salt: Cryst. (EtOH). Mp 154-156°.
Dipiperazine salt: Solid. Mp 195°.
Di-Me ester: [25030-78-8]. Liq. $Bp_{0.5}$ 70-71°. n_D^{27} 1.4375.
Di-Et ester: [25030-57-3]. *Diethyl (3-methyl-2-oxiranyl)phosphonate.*
$C_7H_{15}O_4P$ M 194.167
Liq. $Bp_{0.5}$ 78-82°. n_D^{27} 1.4327.
Di-2-propenyl ester: Di-2-propenyl (3-methyl-2-oxiranyl)phosphonate.
$C_9H_{15}O_4P$ M 218.189
Liq. $Bp_{0.5}$ 105-115°.
Dipropyl ester: Dipropyl (3-methyl-2-oxiranyl)-phosphonate.
$C_9H_{19}O_4P$ M 222.220
Liq. $Bp_{0.5}$ 110-111°.
Di-Ph ester: [25992-25-0]. *Diphenyl (3-methyl-2-oxiranyl)phosphonate.*
$C_{15}H_{15}O_4P$ M 290.255
Oil which slowly cryst. Mp 46-48°.

(2*RS*,3*RS*)-*form* [27357-50-2]
(±)-trans-*form*
Few derivs. have been synthesised, and none characterised.

Christensen, B.G. *et al*, *Science*, 1969, **166**, 123 (*struct, config, synth*)
Girotra, N.N. *et al*, *Tetrahedron Lett.*, 1969, 4647 (*ester, synth*)
Glannkowski, E.J. *et al*, *J. Org. Chem.*, 1970, **35**, 3510 (*synth, resoln*)
Ger. Pats., 1 924 231; 1 924 085; 1 924 118; 1 924 135; 2 003 850; (*1970*); *CA*, **72**, 132972; 90634; 132953; 43870; **74**, 3725 (*synth, esters, derivs*)
Rogers, T.O. *et al*, *Antimicrob. Agents Chemother.*, 1974, **5**, 121 (*biosynth*)
Woodruff, B.H. *et al*, *Chemotherapy* (*Basel*), 1976, **22**, Suppl. 2, 1; 1977, **23**, Suppl. 1, 1 (*rev, pharmacol*)
Gallego, A. *et al*, *Fosfomycin*, Wiley, 1977.
U.S.P., 4 222 970, (*1980*); *CA*, **94**, 15872 (*synth*)
Mertel, H.E. *et al*, *J. Labelled Compd. Radiopharm.*, 1982, **19**, 405 (*synth*)
Von Carstenn-Lichterfelde, C. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1983, 943 (*uv, ir, pmr*)
Imai, S. *et al*, *Agric. Biol. Chem.*, 1985, **49**, 873 (*biosynth*)
Yudelevich, V.I. *et al*, *Khim.-Farm. Zh.*, 1986, **20**, 238 (*CA*, **104**, 192958) (*rev*)
Fromtling, R.A., *Drugs of Today*, 1987, **23**, 151 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 179.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 130.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1253.

2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate M-00277

SC 26096
[51994-23-1]

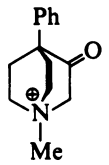


$C_{26}H_{31}NO_3$ M 405.536
Antilipidaemic agent. Cryst. (hexane/C_6H_6). Mp 74-75.5°.

Ger. Pat., 2 336 770, (*1974*); *CA*, **80**, 120802 (*synth*)
Mackerer, C.R. *et al*, *Biochem. Pharmacol.*, 1974, **23**, 1531 (*pharmacol*)

1-Methyl-3-oxo-4-phenylquinuclidinium(1+), 8CI M-00278

1-Methyl-3-oxo-4-phenyl-1-azoniabicyclo[2.2.2]octane, 9CI. Quinuclium



$C_{14}H_{18}NO^{\oplus}$ M 216.302 (ion)

Antihypertensive agent.

Bromide: [35425-83-3]. *Quinuclium bromide, INN, USAN.*

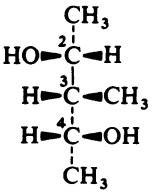
$C_{14}H_{18}BrNO$ M 296.206

Cryst. + $\frac{1}{2}H_2O$. Mp 205-207°.

▷VD6127500.

Iorio, M.A. *et al, Chim. Ther.*, 1971, **6**, 391 (*synth, pharmacol*)
Vidrio, H. *et al, Arzneim.-Forsch.*, 1976, **26**, 1657, 1662, 1665, 1668, 1671 (*pharmacol*)
Castañer, J., *Drugs Future*, 1979, **4**, 214 (*rev*)

3-Methyl-2,4-pentanediol, 9CI, 8CI M-00279



(2*RS*,4*RS*)-*form*

$C_6H_{14}O_2$ M 118.175

Three isomers possible.

Dicarbamate: [5667-70-9]. ***Pentabamate, USAN, INN.***

$C_8H_{16}N_2O_4$ M 204.225

Tranquilliser. Mp 183°. Config. of this prod. unclear.

(*2RS,4RS*)-*form*

(±)-*form*

d_4^{20} 0.956. Bp_{15} 112°. n_D^{20} 1.4421.

(*2RS,4SR*)-*form*

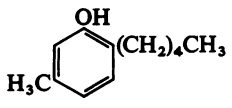
Bp_{30} 121-122°. A mixt. of the two possible *meso*-forms.

B.P., 844 831, (*1960*); *CA*, **55**, 4367f (*deriv*)
Pihlaja, K. *et al, Acta Chem. Scand.*, 1969, **23**, 2299 (*synth, pmr, conformn*)
Applequist, D.E. *et al, J. Org. Chem.*, 1978, **43**, 867 (*synth*)
Collum, D.B. *et al, J. Am. Chem. Soc.*, 1986, **108**, 2094 (*synth*)

5-Methyl-2-pentylphenol, 9CI M-00280

*6-Pentyl-*m*-cresol.* ***Amylmetacresol, BAN.*** *4-Amyl-*m*-cresol (obsol.)*

[1300-94-3]



$C_{12}H_{18}O$ M 178.274

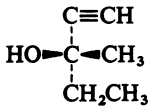
Antiinfective agent used in throat lozenges, etc. Insol. H_2O, sol. EtOH. Mp 24°. Bp_{15} 137-139°.

Coulthard, C.E. *et al, J. Chem. Soc.*, 1930, 280 (*synth*)
Sykes, G., *J. Appl. Bacteriol.*, 1970, **33**, 147 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2205.

3-Methyl-1-pentyn-3-ol, 9CI M-00281

Methylpentynol, BAN, INN. *Ethylethynylmethylcarbinol. Dormison. Meparfynol. Numerous proprietary names*

[77-75-8]



(*S*)-*form*

$C_6H_{10}O$ M 98.144

Hypnotic. Sedative.

▷Mod. toxic, flammable. SC4900000.

(*S*)-*form* [33267-29-7]

Bp 120-121°. $[\alpha]_D^{21}$ +2.22°.

(±)-*form*

Soporific. Mobile liq. d_4^{20} 0.869. Bp 120-121°, Bp_{150} 78°. n_D^{20} 1.4310.

Ac:

$C_8H_{12}O_2$ M 140.182

Bp_{50} 75-77°.

Carbamoyl: [302-66-9]. *Meparfynol carbamate. Mepentamate. Numerous proprietary names.*

$C_7H_{11}NO_2$ M 141.169

Sedative. Cryst. (Et_2O/pet. ether or cyclohexane). Mp 55.8-57° (53.5-55°). Bp_{16} 120-121°, $Bp_{0.01}$ 95°.

▷SC5075000.

Rupe, H. *et al, Justus Liebigs Ann. Chem.*, 1925, **442**, 80 (*synth*)
Carothers, W.H. *et al, J. Am. Chem. Soc.*, 1932, **54**, 4071 (*synth*)
Campbell, K.N. *et al, J. Am. Chem. Soc.*, 1938, **60**, 2882 (*synth*)
Thompson, A.F. *et al, J. Am. Chem. Soc.*, 1941, **63**, 186 (*synth*)
Hurd, C.D. *et al, J. Am. Chem. Soc.*, 1947, **69**, 239 (*synth*)
Hickman, J.R. *et al, J. Chem. Soc.*, 1955, 2051 (*resoln*)
McLamore, W.M. *et al, J. Org. Chem.*, 1955, **20**, 1379 (*Carbamate*)
B.P., 761 817, (*1956*); *CA*, **51**, 10567 (*Carbamate*)
Faulkner, D.J. *et al, J. Am. Chem. Soc.*, 1971, **93**, 3766 (*abs config*)
Burgers, P.C. *et al, Org. Mass Spectrom.*, 1979, **14**, 571 (*ms*)
Dubois, J.E. *et al, J. Chem. Res. (S)*, 1980, 82, 84 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 495, 741.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4048, 4049.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 829.

(1-Methyl-2-phenoxyethyl)hydrazine, 9CI M-00282

Phenoxypropazine, BAN. *Fenoxypropazine, INN*

[3818-37-9]

$PhOCH_2CH(CH_3)NHNH_2$

$C_9H_{14}N_2O$ M 166.222

(±)-*form*

Monoamine oxidase inhibitor. $Bp_{0.2}$ 98-102°.

Hydrogen maleate: [3941-06-8]. *Drazine. Fenoxipropazinum. Fenoxypropazine maleate. HP 1275. Phenoxypropazine maleate.*

$C_{13}H_{18}N_2O_5$ M 282.296

Prismatic needles (2-propanol). Mp 107-108°.

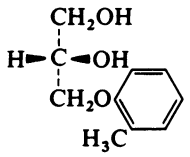
▷MV7710000.

Drain, D.J. *et al, J. Med. Chem.*, 1963, **6**, 63 (*synth, pharmacol*)

3-(2-Methylphenoxy)-1,2-propanediol, 9CI **M-00283**

3-(o-Tolyloxy)propane-1,2-diol, 8CI. *1,2-Dihydroxy-3-(2-methylphenoxy)propane. Glycerol α-O-tolyl ether.* ***Mephenesin,*** *BAN, INN. Tolserol. Mephson. Oranixon. Toloxypropandiol*

[59-47-2]



(*S*)-*form*
Absolute configuration

$C_{10}H_{14}O_3$ M 182.219

▷TZ1225000.

(***R***)-***form*** [52153-43-2]

Cryst. (H_2O). Mp 89-90°. Contradictory reports as to opt. rotn.

(***S***)-***form*** [52153-44-3]

Cryst. (H_2O). Mp 89-90°. Contradictory reports as to opt. rotn.

(±)-***form***

Local anaesthetic, skeletal muscle relaxant. Cryst. with bitter taste. Sol. EtOH, spar. sol. H_2O, Et_2O. Mp 67-70°.

Carbamate: 3-(2-Methylphenoxy)-1,2-propanediol 1-carbamate, 9CI. *2-Hydroxy-3-O-tolyloxypropyl carbamate. Mephenesin carbamate. Tolseram.* Cryst. (H_2O). Mp 93° (80-84° hemihydrate).

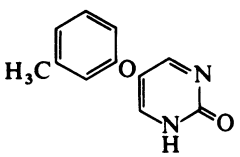
▷FB2710000.

Møorch. P., *CA*, 1948, **42**, 2058i (*synth*)
U.S.P., 2 609 386, (*1952*); *CA*, **49**, 1801C
Thaker, K.A. *et al*, *J. Sci. Ind. Res.*, 1961, **20B**, 327; *CA*, **56**, 2319a (*resoln*)
Bottari, F. *et al*, *J. Med. Chem.*, 1968, **11**, 904 (*pharmacol*)
Coutts, R.T. *et al*, *J. Pharm. Sci.*, 1973, **62**, 769 (*ms*)
Nelson, W.L. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 896 (*cd, abs config*)
Tetsuo, M. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 129 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1661.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5722.

5-(3-Methylphenoxy)-2(1*H*)-pyrimidinone, **M-00284**
9CI

Tolimidone, *USAN, INN. 5-(m-Tolyloxy)-2(1H)-pyrimidinone*

[41964-07-2]



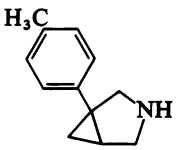
$C_{11}H_{10}N_2O_2$ M 202.212

Antiulcerative drug. Cryst. Mp 158-159°.

U.S.P., 3 922 345, (*1975*); *CA*, **84**, 59552u (*synth, pharmacol*)
Lipinski, C.A. *et al*, *J. Med. Chem.*, 1980, **23**, 1026 (*synth, pharmacol*)

1-(4-Methylphenyl)-3-azabicyclo[3.1.0]-hexane, 9CI **M-00285**

Bicifadine, *INN. 1-p-Tolyl-3-azabicyclo[3.1.0]hexane*



$C_{12}H_{15}N$ M 173.257

(+)-***form***

B,HCl: Cryst. (MeCN). Mp 208-210°. $[\alpha]_D$ +64.5° (MeOH).

(−)-***form***

B,HCl: Cryst. Mp 204-207°. $[\alpha]_D$ −64° (MeOH).

(±)-***form*** [71195-57-8]

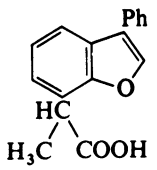
Analgesic.

B,HCl: [66504-75-4]. *Bicifadine hydrochloride,* *USAN.* Yellow-brown plates (MeOH/MeCN). Mp 207-208°.

Ger. Pat., 2 740 562, (*1978*); *CA*, **89**, 6216j (*synth, pharmacol*)
Bonnaud, B. *et al*, *J. Chromatogr.*, 1985, **318**, 398 (*sepn*)

α-Methyl-3-phenyl-7-benzofuranacetic acid, 9CI **M-00286**

Furaprofen, *USAN, INN. 2-(3-Phenyl-7-benzofuranyl)-propionic acid. Enprofen*



$C_{17}H_{14}O_3$ M 266.296

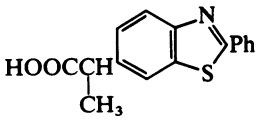
(±)-***form*** [67700-30-5]

Antiinflammatory drug. Cryst. (hexane/C_6H_6). Mp 167.5-168.5°.

U.S.P., 3 920 828, (*1975*); *CA*, **84**, 89985e (*synth*)
Rainsford, K.D., *Agents Actions*, 1977, **7**, 573 (*pharmacol*)

α-Methyl-2-phenyl-6-benzothiazoleacetic acid, 9CI **M-00287**

Tazeprofen, *INN. 2-(2-Phenyl-6-benzothiazolyl)-propanoic acid. K 308*



$C_{16}H_{13}NO_2S$ M 283.344

(+)-***form*** [77752-61-5]

Cryst. (2-propanol aq.). Mp 179°.

(−)-***form*** [76816-40-5]

Cryst. (2-propanol aq.). Mp 179°. $[\alpha]_D^{22}$ −81° (c, 1.0 in DMF).

(±)-***form*** [76816-33-6]

Analgesic, antiinflammatory agent. Cryst. (butanone/cyclohexane).

Na salt: [76816-35-8]. Hygroscopic solid. Mp 270°.
B,HCl: [76816-38-1]. Mp 150° dec.

Eur. Pat., 17 543, (*1980*); *CA*, **95**, 7260 (*synth, pharmacol, resoln*)

2-Methyl-3-phenyl-2-butylamine M-00288

α,α,β-Trimethylbenzeneethanamine, 9CI. α,α,β-Trimethylphenethylamine, 8CI. 2-Amino-2-methyl-3-phenylbutane. ***Pentorex,*** *INN. Phenpentermine*

[434-43-5]

$(H_3C)_2C(NH_2)CHPhCH_3$

$C_{11}H_{17}N$ M 163.262

▷SI3670000.

(R)-form [33686-47-4]

Bp_8 93°. $[\alpha]_{546}$ −31.1° (c, 3.25 in MeOH).

(±)-form

Anorexic agent; sympathomimetic agent. Bp_{20} 109-111°.

B,HCl: Mp 200-201°.

Tartrate (1:1): [22876-60-4]. *Liprodene. Modatrop.* Mp 160-162°. $[\alpha]_D^{20}$ +13.4° (c, 0.8 in H_2O).

Ger. Pat., 849 695, (*1952*); *CA*, **48**, 10764h (*synth, pharmacol*)

Behrendt, W.A. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 711 (*pharmacol*)

Tremelling, M.J. *et al*, *J. Org. Chem.*, 1972, **37**, 1073 (*synth, abs config*)

Donike, M. *et al*, *Fresenius' Z. Anal. Chem.*, 1976, **279**, 129 (*glc*)

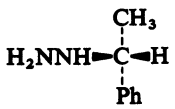
Illing, H.P.A. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1981, **6**, 303 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1484.

(1-Methyl-2-phenylethyl)hydrazine, 9CI M-00289

α-Methylphenethylhydrazine, 8CI. 2-Hydrazino-1-phenylpropane. ***Pheniprazine,*** *BAN, INN*

[55-52-7]



(R)-form
Absolute configuration

$C_9H_{14}N_2$ M 150.223

▷MV7350000.

(R)-form

Liq. Bp_{10} 135-138°. $[\alpha]_D^{25}$ −4.5° (c, 5 in MeOH).

B,HCl: Mp 152-154° (148-149°). $[\alpha]_D^{25}$ −12.5° (c, 5 in H_2O), $[\alpha]_D^{25}$ −14.0° (c, 1 in H_2O).

(S)-form

Liq. Bp_{10} 135-138°, $Bp_{0.5}$ 82-86°. $[\alpha]_D^{25}$ +4.5° (c, 5 in MeOH).

B,HCl: Cryst. $[\alpha]_D^{25}$ +12.8° (c, 5 in H_2O), $[\alpha]_D^{25}$ −13.8° (c, 1 in H_2O).

(±)-form [52031-11-5]

Antihypertensive agent (monoamine oxidase inhibitor). Liq. $Bp_{0.5}$ 82-86°.

B,HCl: [66-05-7]. *Cavodil. Castron. Catran. Catrol. Phenicin. Phenizin. Other proprietary names.* Mp 122-124°.

▷MV7400000.

Berstein, J. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4433 (*resoln*)

Biel, J.H. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4995 (*synth, pharmacol*)

Spector, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **128**, 7, 15 (*pharmacol*)

Anderson, F.E. *et al*, *J. Med. Chem.*, 1962, **5**, 221 (*synth, pharmacol*)

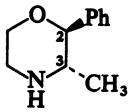
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1304.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2163.

3-Methyl-2-phenylmorpholine, 9CI M-00290

2-Phenyl-3-methyltetrahydro-1,4-oxazine

[134-49-6]



(2S,3S)-form

$C_{11}H_{15}NO$ M 177.246

Coml. prods. may apparently be either a mixt. of racemic diastereoisomers or pure stereoisomers.

▷QE6475000.

(2S,3S)-form

(+)-threo-*form*

N-*Me:* [634-03-7]. ***Phendimetrazine,*** *BAN, INN. 3,4-Dimethyl-2-phenylmorpholine.* Appetite suppressant. $Bp_{0.35}$ 78°. $[\alpha]_D$ +69.1° ($CHCl_3$).

▷QE2300000.

N-*Me; B,HCl:* [7635-51-0]. Mp 191°. $[\alpha]_D$ +35.7° (H_2O).

▷QE2625000.

N-*Me, Tartrate:* [50-58-8]. *Phendimetrazine tartrate, USAN. Adipost. Bacarate. Melfiat. Metra. Plegine. Sprx. Statobex.*

(2R,3S)-form [84025-82-1]

(−)-erythro-*form*

N-*Me:* [711-72-8].

$[\alpha]_D$ −40.8° ($CHCl_3$).

N-*Me; B,HCl:* Mp 241-243°. $[\alpha]_D$ −13.6° (H_2O).

(2RS,3RS)-form [1618-50-4]

(±)-trans-*form.* ***Phenmetrazine, BAN***

Appetite suppressant, drug of abuse. Oil. Bp_3 118°.

B,HCl: [1707-14-8]. *Preludin. Anorexyl. Fenmetrazine. Phenmetrazine hydrochloride, USAN. Numerous proprietary names.* Cryst. (EtOH/Et_2O). Mp 180-181°.

▷QE6650000.

Picrate: Golden-yellow cryst. (EtOH). Mp 200-202°.

8-Chlorotheophylline salt: [13931-75-4]. *Phenmetrazine teoclate.* Component of Filon.

▷XH5093050.

(2RS,3SR)-form [13580-23-9]

(±)-cis-*form*

Oil. Bp_3 114°.

B,HCl: Cryst. (EtOH/Et_2O). Mp 152-154°.

Picrate: Brilliant lemon-yellow cryst. (EtOH). Mp 210-211°.

Clarke, F.H., *J. Org. Chem.*, 1962, **27**, 3251 (*synth*)

Dvornik, D. *et al*, *J. Med. Chem.*, 1965, **8**, 466 (*deriv, abs config*)

Spassov, S.L. *et al*, *Chem. Ber.*, 1972, **105**, 2467 (*synth, pmr*)

Marozzi, G., *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)

Mellar, J. *et al*, *Clin. Pharmacol. Ther.* (*St. Louis*), 1982, **32**, 671 (*rev, pharmacol, toxicol*)

Gelbcke, M. *et al*, *Bull. Soc. Chim. Belg.*, 1984, **93**, 369 (*cmr, pmr*)

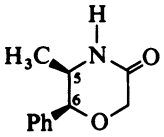
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1486, 1487, 1488.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2041, 2459.

5-Methyl-6-phenyl-3-morpholinone, 9CI, 8CI M-00291

***Fenmetramide**, BAN, USAN, INN*

[5588-29-4]



Relative configuration

$C_{11}H_{13}NO_2$ M 191.229

(***5RS,6RS*)-*form*** [5493-94-7]

(±)-trans-*form*

Mp 177-179°.

(***5RS,6SR*)-*form*** [5196-93-0]

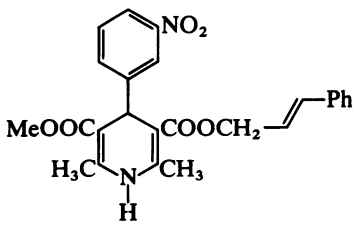
(±)-cis-*form*

Antidepressant. Mp 142-144°.

Clarke, F.H., *J. Org. Chem.*, 1962, **27**, 3251 (*synth*)
Spasov, S.L. *et al*, *Chem. Ber.*, 1972, **105**, 2467 (*pmr, conformn*)
Klyne, W. *et al*, *Tetrahedron*, 1979, **35**, 2009 (*cd, conformn*)

Methyl 3-phenyl-2-propen-1-yl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate M-00292

FRC 8411



$C_{25}H_{24}N_2O_6$ M 448.474

(***E*)-*form*** [99522-79-9]

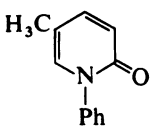
Antihypertensive agent of long duration. Mp 104°, Mp 121°. Dimorphic.

Eur. Pat., 145 434, (*1985*); *CA*, **104**, 19517 (*synth*)
Watanabe, D. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 4855 (*props*)
Yamaura, T. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 29 (*pharmacol*)

5-Methyl-1-phenyl-2(1*H*)-pyridinone, 9CI M-00293

***Pirfenidone**, USAN, INN*

[53179-13-8]



$C_{12}H_{11}NO$ M 185.225

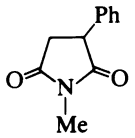
Analgesic, antipyretic, antiinflammatory agent. Mp 103-105°.

Ger. Pat., 2 362 958, (*1974*); *CA*, **81**, 152022u (*synth, pharmacol*)
Laerum, T. *et al*, *Acta Chem. Scand., Ser. B*, 1978, **32**, 68 (*synth, ms*)

1-Methyl-3-phenyl-2,5-pyrrolidinedione, 9CI M-00294

N-*Methyl-2-phenylsuccinimide.* ***Phensuximide**, BAN, INN. Fensuximide. Epimid. Lepsol. Lifene. Milontin. Milonton. Mirontin. Petimid. Succitimal. PM 334*

[86-34-0]



$C_{11}H_{11}NO_2$ M 189.213

Anticonvulsant. Fine cryst. (EtOH). Mp 71-73°.

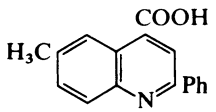
▷WN3325000.

Miller, C.A. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4895 (*synth, pharmacol*)
Glazko, A.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1954, **111**, 413 (*pharmacol*)
Turczan, J.W. *et al*, *J. Pharm. Sci.*, 1973, **62**, 1705 (*pmr*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Ferrendelli, J.A. *et al*, *Adv. Neurol.*, 1980, **27**, 587 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6618.

6-Methyl-2-phenyl-4-quinolinecarboxylic acid M-00295

6-Methyl-2-phenylcinchoninic acid. 6-Methylatophan. 6-Methylcinchophene. Paratophan

[60538-98-9]



$C_{17}H_{13}NO_2$ M 263.295

Yellow needles (EtOH). Sol. EtOH, Et_2O, insol. H_2O. Mp 228°.

B,HCl: Mp 254°.
B,HBr: Mp 289°.
B,HI: Orange-yellow cryst. Mp 268°.

Me ester:

$C_{18}H_{15}NO_2$ M 277.322

Cryst. (Et_2O). Mp 85°.

Et ester: [485-34-7]. ***Neocinchophen**, BAN, INN. Neatophan. Neomagnephen. Neophan. Neoquinophan. Neu-Nylofanol. Novatophan. Novo-Rheumatophin. Tolysin.*

$C_{19}H_{17}NO_2$ M 291.349

Analgesic, antipyretic. Yellow cryst. powder. Mp 75-76°.

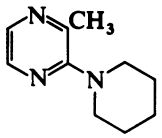
Et ester; B,HCl: Mp 171°.
Et ester; B,HBr: Mp 176°.

U.S.P., 1 552 568, (*1926*); *CA*, **20**, 424
John, H. *et al*, *J. Prakt. Chem.*, 1931, **132**, 15 (*synth*)
U.S.P., 1 816 003, (*1931*); *CA*, **25**, 5513
Barbour, H.G. *et al*, *J. Pharmacol.*, 1935, **55**, 400 (*Neocinchophen*)
Gilman, A. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1936, **33**, 627 (*Neocinchophen*)
Buchman, E.R. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 2718 (*Neocinchophen*)
Thao, N.M. *et al*, *CA*, 1979, **93**, 46375z (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2668, 2675.

2-Methyl-3-(1-piperidinyl)pyrazine, 9CI M-00296

Modaline, INN. 2-Methyl-3-piperidinopyrazine, 8CI

[2856-74-8]



$C_{10}H_{15}N_3$ M 177.249

Antidepressant.

B,H_2SO_4: [2856-75-9]. *Modaline sulfate, USAN.* Mp 131-133°.

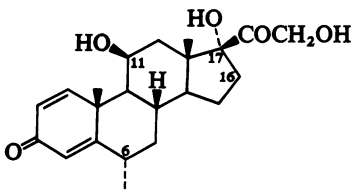
▷UQ3850000.

Lutz, W.B. *et al, J. Org. Chem.*, 1964, **29**, 415.
Jori, A. *et al, J. Pharm. Pharmacol.*, 1965, **17**, 703 (*pharmacol*)
Spero, G.B. *et al, J. Am. Chem. Soc.*, 1956, **78**, 6213 (*synth*)
Fried, J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 1235 (*synth*)
Weeks, C.M. *et al, J. Am. Chem. Soc.*, 1973, **95**, 2865 (*cryst struct*)
Novak, E. *et al, Toxicol. Appl. Pharmacol.*, 1977, **41**, 561 (*pharmacol, derivs*)
Anderson, B.D. *et al, J. Pharm. Sci.*, 1985, **74**, 365, 375 (*suleptanate*)
Ebling, W.F. *et al, Drug Metab. Dispos.*, 1985, **13**, 296 (*pharmacol*)
Sugai, S. *et al, Chem. Pharm. Bull.*, 1985, **33**, 1889 (*aceponate*)
Shah, J.A. *et al, J. Chromatogr.*, 1987, **414**, 1 (*hplc, suleptanate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1115, 1116, 1117, 1118.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6695, 7168, 7448 (*synonyms*)

Methylprednisolone, BAN, INN, USAN M-00297

(6α,11β)-11,17,21-Trihydroxy-6-methyl-1,4-pregnadiene-3,20-dione, 9CI. 6α-Methylprednisolone. Medrol. Medrone. Numerous proprietary names

[83-43-2]



$C_{22}H_{30}O_5$ M 374.476

Potent antiinflammatory agent. Glucocorticoid. Cryst. Mp 228-237°. $[\alpha]_D^{20}$ +83° (dioxan).

▷TU4146000.

Ac: [53-36-1]. *(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, 9CI. Depo-medrate. Depo-medrol.* ***Methylprednisolone acetate, USAN.*** *Numerous proprietary names.*

$C_{24}H_{32}O_6$ M 416.513

Glucocorticoid. Cryst. Mp 205-208°. $[\alpha]_D^{21}$ +101° (dioxan).

▷TU4154050.

21-Hemisuccinate: [2921-57-5]. ***Methylprednisolone hemisuccinate, USAN.*** *Other synonyms.* Glucocorticoid.

21-Hemisuccinate, Na salt: [2375-03-3]. *Methylprednisolone sodium succinate, USAN, JAN. Other synonyms.*

▷TU4154060.

21-Phosphate, Di-Na salt: [5015-36-1]. *Medrol stabisol. Methylprednisolone sodium phosphate, USAN.* Glucocorticoid.

21-Ac, 17-Propanoyl: [86401-95-8]. ***Methylprednisolone aceponate, INN.*** *ZK 91588.*

$C_{27}H_{36}O_7$ M 472.577

Glucocorticoid. Antiinflammatory and antiallergic agent. Mp 129-131° (138°).

21-[[N-Methyl-N-(2-sulfoethyl)amino]carbonyl]-heptanoyl: 11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, 9CI.

$C_{33}H_{49}NO_{10}S$ M 651.811

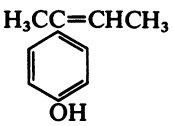
Glucocorticoid. Antiinflammatory, antiallergic agent.

21-[[N-Methyl-N-(2-sulfoethyl)amino]carbonyl]-heptanoyl, Na salt: [90350-40-6]. ***Methylprednisolone suleptanate, INN.*** *U 67590A.* Amorph. solid.

4-(1-Methyl-1-propenyl)phenol, 9CI M-00298

2-(4-Hydroxyphenyl)-2-butene

[17255-98-0]



$C_{10}H_{12}O$ M 148.204

Cryst. (ligroin). Mp 86° (83-84°).

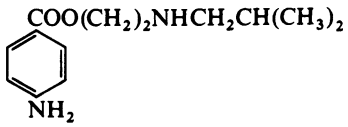
Ac: [5984-83-8]. ***Fenabutene, INN.*** *CB 309.*
$C_{12}H_{14}O_2$ M 190.241
Used to control pituitary activity. Bp_{15} 148°.

von Braun, J., *Justus Liebigs Ann. Chem.*, 1929, **472**, 71 (*synth*)
Lespagnol, A. *et al, Bull. Soc. Chim. Biol.*, 1950, **32**, 1019; 1951, **33**, 771 (*props*)
B.P., 905 994, (*1962*); *CA*, **58**, 476 (*synth*)

2-[(2-Methylpropyl)amino]ethyl 4-aminobenzoate, 9CI M-00299

2-Isobutylaminoethyl p-aminobenzoate, 8CI. Butethamine. Monocaine

[2090-89-3]



$C_{13}H_{20}N_2O_2$ M 236.313

Local anaesthetic. Used mainly as hydrochloride.

B,HCl: [553-68-4]. *Dentocain. Ibylcainum.* Sl. sol. $CHCl_3$, C_6H_6, insol. Et_2O. Mp 192-196°.

▷KL4375000.

Buechi, J. *et al, Arzneim.-Forsch.*, 1966, **16**, 1657 (*synth, pharmacol*)
O'Brien, K.P. *et al, Bull. Narcotics*, 1970, **22**, 35 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7612.

2-Methylpropyl 2-cyano-2-propenoate, 9CI M-00300

Isobutyl 2-cyanoacrylate, 8CI. ***Bucrylate, USAN.*** *Bucrilate, INN*

[1069-55-2]



$C_8H_{11}NO_2$ M 153.180

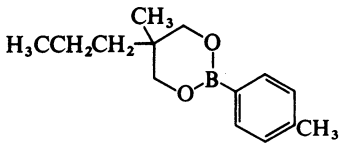
Tissue adhesive. Liq. Bp_2 170°.

Belg. Pat., 611 273, (*1961*); *CA*, **57**, 12327b (*synth*)
Belg. Pat., 636 286, (*1963*); *CA*, **62**, 1811h (*use*)
Stickrod, G. *et al*, *Physiol. Behav.*, 1984, **32**, 695 (*use*)

5-Methyl-5-propyl-2-*p*-tolyl-1,3,2-dioxaborinane, 8CI M-00301

Cyclic 2-methyl-2-propyltrimethylene p-*tolueneboronate*. ***Tolboxane, INN***. *Clarmil. Clarphoril. IS 813*

[2430-46-8]



$C_{14}H_{21}BO_2$ M 232.129
Tranquilliser. Solid, somewhat sensitive to moist air. Mp 54°.

▷XS7875000.

Caujolle, F. *et al*, *Med. Pharmacol. Exp.*, 1966, **15**, 130 (*tox*)
Caujolle, F. *et al*, *Arch. Int. Pharmocodyn. Ther.*, 1968, **172**, 467 (*pharmacol*)
Ger. Pat., 1 259 900, (*1968*); *CA*, **68**, 95930u (*synth*)

5-Methylpyrazinecarboxylic acid, 9CI, 8CI M-00302

5-Methylpyrazinoic acid

[5521-55-1]

$C_6H_6N_2O_2$ M 138.126
Cryst. by subl. Mp 166-167° (160°). Prepns. before 1966 were not pure.

4-N-Oxide: [51037-30-0]. ***Acipimox, BAN, INN***. *K 9321. Olbatam.*
$C_6H_6N_2O_3$ M 154.125
Antilipolytic agent.

▷UQ2453000.

Amide:
$C_6H_7N_3O$ M 137.141
Mp 211.5° dec.

Pitrè, D. *et al*, *Chem. Ber.*, 1966, **99**, 9745.
Felder, E. *et al*, *Chem. Ber.*, 1967, **100**, 555 (*synth*)
Ger. Pat., 2 319 834, (*1973*); *CA*, **80**, 27294n (*oxide*)
Ambrogi, V. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1980, **15**, 157 (*synth, pharmacol, oxide*)
Musatti, L. *et al*, *J. Int. Med. Res.*, 1981, **9**, 381 (*pharmacol*)
Aktories, K. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1525 (*activity*)
Orsini, G. *et al*, *Pharmacol. Res. Commun.*, 1985, **17**, 927 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12316.

2-Methyl-4-pyridinecarboxylic acid, 9CI M-00303

4-Methylpicolinic acid, 8CI

[4021-11-8]

$C_7H_7NO_2$ M 137.138
Displays tuberculostatic activity. Mp 291-292°.

B,HCl: Cryst. (HCl aq.). Mp 248-249° dec.

Me ester: [16830-24-3].
$C_8H_9NO_2$ M 151.165
Bp_{16} 109°.

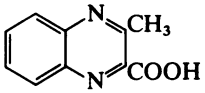
Et ester: [25635-17-0].
$C_9H_{11}NO_2$ M 165.191
Bp_{20} 134°.

Hydrazide: [3758-59-6]. Shows tuberculostatic activity.

Adams, R. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3168 (*synth*)
Efimovosky, O. *et al*, *Bull. Soc. Chim. Fr.*, 1954, 648 (*use*)
Campbell, A.D. *et al*, *Aust. J. Chem.*, 1971, **24**, 377 (*synth*)
Deady, L.W. *et al*, *Org. Magn. Reson.*, 1975, **7**, 41 (*nmr*)
Seydel, J.K. *et al*, *J. Med. Chem.*, 1976, **19**, 483 (*pharmacol, hydrazide*)
Clarke, P.D. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, **8**, 1747 (*synth*)

3-Methyl-2-quinoxalinecarboxylic acid, 9CI M-00304

[74003-63-7]



$C_{10}H_8N_2O_2$ M 188.185
Mp 155° dec.

Et ester:
$C_{12}H_{12}N_2O_2$ M 216.239
Fluffy needles (EtOH aq.).

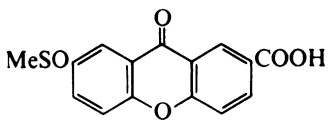
1,4-Dioxide, hydrazide: [27314-77-8]. ***Drazidox, INN***.
$C_{10}H_{10}N_4O_3$ M 234.214
Antiseptic. Mp 212-214°.

Dahn, H. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1214 (*synth*)
Elina, A.S. *et al*, *J. Gen. Chem. USSR*, 1964, **34**, 2089.
South African Pat., 6 904 857, (*1970*); *CA*, **73**, 35402s (*synth, pharmacol, deriv*)
Anderson, R.K. *et al*, *Tetrahedron*, 1979, **35**, 2463 (*synth*)

7-(Methylsulfinyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, 9CI M-00305

Tixanox, USAN, INN

[40691-50-7]



$C_{15}H_{10}O_5S$ M 302.301
Antiallergic drug. Cryst. (DMF aq.). Mp >300°.

Ger. Pat., 2 265 052, (*1976*); *CA*, **84**, 135472k (*synth, pharmacol*)
Pfister, J.R. *et al*, *J. Med. Chem.*, 1978, **21**, 669 (*synth, pharmacol*)
Gonzalez-Alvare, R. *et al*, *Arch. Immunol. Ther. Exp.*, 1982, **30**, 333 (*pharmacol*)

4-(Methylsulfonyl)benzaldehyde, 9CI M-00306

[5398-77-6]

$C_8H_8O_3S$ M 184.209
Cryst. (EtOH aq.). Mp 158-159° (156-158°).

Thiosemicarbazone: Formerly used as antitubercular drug. Mp 245-247° dec.

Fuller, A.T. *et al*, *J. Chem. Soc.*, 1945, 633.
Hoggarth, E. *et al*, *Br. J. Pharmacol.*, 1950, **5**, 188 (*pharmacol*)
Bernstein, J. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 906 (*synth*)
Shchukina, M.N. *et al*, *Zh. Obshch. Khim.*, 1952, **22**, 1663; *CA*, **47**, 9298.
Eistert, B. *et al*, *Chem. Ber.*, 1964, **97**, 1470.
Brownlee, R.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1974, 247 (*ir*)
Costa, L. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 943.
Battersby, A.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, **1**, 31 (*synth*)

10-(Methylsulfonyl)decanenitrile, 9CI M-00307

Rorifone

[53078-90-3]

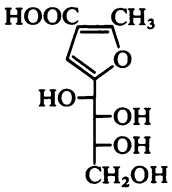
$MeSO_2(CH_2)_9CN$

$C_{11}H_{22}NO_2S$ M 232.360

Chinese folk remedy. Isol. from *Rorippa montana*. Antitussive, expectorant. Prisms. Mp 45-46°.

Sci. Sin., 1973, **16**, 506 (*isol, synth*)

2-Methyl-5-(D-*arabino*-1,2,3,4-tetrahydroxybutyl)-3-furoic acid M-00308



$C_{10}H_{14}O_7$ M 246.216

Me ester, tetranicotinate: [4397-91-5]. ***Nicofurate, INN.*** *Arteriolase. GN 3. Tetnicoran.*
$C_{35}H_{28}N_4O_{11}$ M 680.626
Vasodilator, antilipidaemic agent. Cryst. ($MeOH/Et_2O$). Mp 122.5-124°.

Fr. Pat., 1 404 748, (*1965*); *CA*, **64**, 712d (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13010.

2-Methyl-5-thiazolecarboxylic acid, 9CI M-00309

[40004-69-1]

$C_5H_5NO_2S$ M 143.160

Antilipolytic agent. Needles or prisms (H_2O). Mp 209°.

Et ester: [79836-78-5].
$C_7H_9NO_2S$ M 171.214
Bp_{19} 117-120°.

Schöberl, A. *et al*, *Ber.*, 1940, **73**, 1240 (*synth*)
Clemence, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 567 (*synth, use*)
Keehn, P.M. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 4461 (*synth, deriv*)

4-Methyl-5-thiazolecarboxylic acid M-00310

[20485-41-0]

$C_5H_5NO_2S$ M 143.160

Has antiviral, chemotherapeutic and fungicidal activity. Prisms (H_2O). Mod. sol. hot H_2O, sol. EtOH, spar. sol. C_6H_6, ligroin. Mp 280° dec. Subl. above 250°.

▷XJ3680000.

Me ester: [81569-44-0].
$C_6H_7NO_2S$ M 157.187
Prisms (pet. ether). Mp 74-75°.

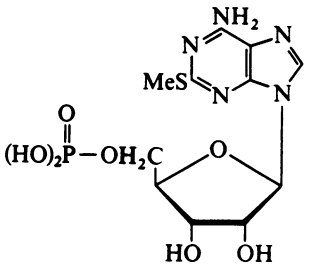
Et ester: [20582-55-2].
$C_7H_9NO_2S$ M 171.214
Prisms. Mp 27-28°. Bp 215-220°. Steam-volatile.

Kuehle, A.E., *J. Am. Chem. Soc.*, 1935, **57**, 1887 (*uv*)
Tomlinson, M.L., *J. Chem. Soc.*, 1935, 1030 (*synth*)
Jones, E.R.H. *et al*, *J. Chem. Soc.*, 1946, 87 (*synth*)
Campaigne, E. *et al*, *J. Med. Chem.*, 1959, **1**, 577 (*use*)
Abdel-Lateef, M. *et al*, *Acta Phytopathol.*, 1973, **8**, 269 (*use*)
Krieg, B. *et al*, *Justus Liebigs Ann. Chem.*, 1981, **4**, 623 (*nmr*)
Barton, A. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, **1**, 159 (*ir*)

2-Methylthioadenosine 5'-(dihydrogen phosphate), 8CI M-00311

2-Methylthio-5'-adenylic acid, 9CI. 2-Methylthio-AMP

[22140-20-1]



$C_{11}H_{16}N_5O_7PS$ M 393.310

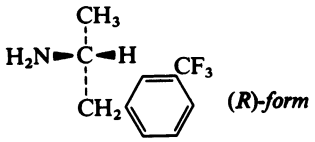
Specific inhibitor of platelet aggregation. Mp 192-195° dec.

Tener, G.M., *J. Am. Chem. Soc.*, 1961, **83**, 159.
Michael, F. *et al*, *Nature (London)*, 1969, **222**, 1073 (*synth*)
B.P., 1 226 699, (*1971*); *CA*, **75**, 20922d
Takahashi, S. *et al*, *Nulceic Acids Res., Spec. Publ.*, 1977, **3**, 61 (*nmr, conformn*)
Gough, G.R. *et al*, *J. Med. Chem.*, 1978, **21**, 520 (*synth, pharmacol*)

α-Methyl-*m*-(trifluoromethyl)-phenethylamine, 8CI M-00312

α-Methyl-3-(trifluoromethyl)benzeneethanamine, 9CI

[1886-26-6]



$C_{10}H_{12}F_3N$ M 203.207

▷SI1800000.

(R)-form [37577-22-3]

B,HCl: [41538-52-7]. Cryst. ($EtOH/Et_2O$). Mp 173-173.5°. $[\alpha]_D^{20}$ +7.55° (c, 0.15 in MeOH).

(S)-form [19036-73-8]

B,HCl: [37936-89-3]. Cryst. ($EtOH/Et_2O$). Mp 172.5-173.5°. $[\alpha]_D^{20}$ −76.1° (c, 5 in MeOH).

Ac:
$C_{12}H_{14}F_3NO$ M 245.244
Mp 75.5-78°. $[\alpha]_D^{22.5}$ −32.5° (c, 2 in $CHCl_3$).

(±)-form [18455-43-1]
Norfenfluramine
Main metab. of Fenfluramine, F-00050 . Anorectic agent. $Bp_{0.4-0.7}$ 60-74°.

B,HCl: [18332-55-3]. Mp 163-164°.

Holland, G.F. *et al*, *J. Med. Chem.*, 1963, **6**, 519 (*synth, pharmacol*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol. Suppl.*, 1967, **19**, 42 (*metab*)
Beckett, A.H., *Tetrahedron*, 1968, **24**, 1283 (*abs config*)
B.P., 1 413 033, (*1973*); *CA*, **84**, 30635 (*resoln*)
Kumar, Y. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 349 (*synth, pharmacol*)
Caccia, S. *et al*, *Eur. J. Clin. Pharmacol.*, 1985, **29**, 221 (*pharmacol*)
Coquerel, G. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1017 (*cryst struct*)

α-Methyl-*p*-(trifluoromethyl)-phenethylamine, 8CI M-00313

α-Methyl-4-(trifluoromethyl)benzeneethanamine, 9CI

[1626-74-0]

$C_{10}H_{12}F_3N$ M 203.207

▷SI1850000.

(R)-form [84580-99-4]

$[\alpha]_D^{26}$ −19° (c, 1.76 in MeOH).

B,HCl: [84580-09-6]. Mp 170-172°. $[\alpha]_D^{26}$ −7° (c, 1.23 in MeOH).

(±)-form

Triflutamine. *Trifluorex*

Anorectic agent.

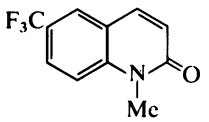
B,HCl: Mp 200-201°.

Holland, G.F. *et al*, *J. Med. Chem.*, 1963, **6**, 519 (*synth, pharmacol*)
Kumar, Y. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 349 (*synth, pharmacol*)
Smith, H.E. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 1578 (*synth, cd*)

1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone M-00314

1-Methyl-6-(trifluoromethyl)carbostyril, *8CI*. ***Flucarbril, INN***

[2261-94-1]



$C_{11}H_8F_3NO$ M 227.186

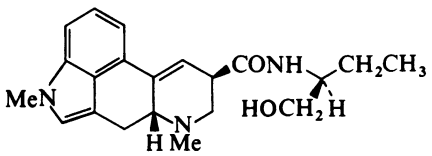
Muscle relaxant, analgesic. Mp 85-90°.

Belg. Pat., 634 894, (*1964*); *CA*, **61**, 4327f (*synth, pharmacol*)

Methysergide, BAN, USAN, INN M-00315

9,10-Didehydro-N-[1-(hydroxymethyl)propyl]-1,6-dimethylergoline-8-carboxamide, *9CI*, *8CI*. *N-1-(Hydroxymethyl)propyl-1-methylsergamide*

[361-37-5]



Absolute configuration

$C_{21}H_{27}N_3O_2$ M 353.463

Vasoconstrictor, used in treatment of migraine. Mp 194-196°. $[\alpha]_D^{20}$ −45° (c, 0.5 in Py).

▷KE5300000.

Maleate: [129-49-7]. *Methysergide maleate, USAN. Deseril. Dimethylergometrine. Sansert.* Mp 187-188°.

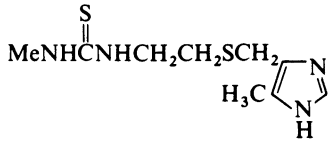
▷KE5410000.

B.P., 854 569, (*1960*); *CA*, **55**, 13469f (*synth*)
Votava, Z. *et al*, *Arzneim.-Forsch*, 1966, **16**, 220 (*pharmacol*)
Coombs, R.A., *Arch. Mass Spectral Data*, 1971, **2**, 748 (*ms*)
Kanto, J., *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1983, **21**, 135 (*rev, pharmacol*)
Clark, B.J., *Discoveries Pharmacol.*, 1984, 3 (*rev, pharmacol, toxicol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1513.
Sittig, M., *Pharmaceutical Manufacturing Encyclopaedia*, 2nd Ed., Noyes Publications, New Jersey, 1988, 1002.

Metiamide, BAN, USAN, INN M-00316

N-Methyl-N′-[2-[[(5-methyl-1H-imidazol-4-yl)-methyl]thio]ethyl]thiourea, *9CI*

[34839-70-8]



$C_9H_{16}N_4S_2$ M 244.372

Antiallergic agent, H_2-receptor antagonist. Mp 210-212°.

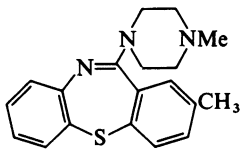
▷YT7750000.

Ganellin, C.R. *et al*, *Fed. Proc.*, 1976, **35**, 1924 (*pharmacol*)
Durant, G.J. *et al*, *J. Med. Chem.*, 1977, **20**, 901 (*synth, pharmacol*)
Prout, K. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, **1**, 68 (*cryst struct*)
Mitchell, R.C. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1980, **6**, 915 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6150.

Metiapine, USAN, INN M-00317

2-Methyl-11-(4-methyl-1-piperazinyl)-dibenzo[b,f][1,4]thiazepine, *9CI*

[5800-19-1]



$C_{19}H_{21}N_3S$ M 323.455

Neuroleptic; used in treatment of schizophrenia. Mp 99-107°.

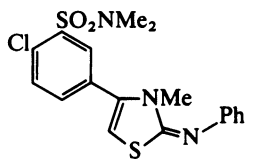
▷HQ2275000.

Schmutz, J. *et al*, *Helv. Chim. Acta*, 1967, **50**, 245 (*synth*)
Schmutz, J. *et al*, *Chim. Ther.*, 1967, **2**, 424 (*pharmacol*)
Gibson, J.P. *et al*, *Toxicol. Appl. Pharmacol.*, 1973, **25**, 212 (*tox*)
Wright, G.J. *et al*, *Adv. Biochem. Psychopharmacol.*, 1974, **9**, 445 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7071.

Metibride, INN M-00318

2-Chloro-5-[2,3-dihydro-3-methyl-2-(phenylimino)-4-thiazolyl]-N,N-dimethylbenzenesulfonamide, *9CI*. *Taltibride. HCG 497*

[77989-60-7]



$C_{18}H_{18}ClN_3O_2S_2$ M 407.932

Antilipidaemic agent. Cryst. (H_2O). Mp 179-181°.

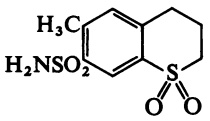
B,HCl: [77989-61-8]. Cryst. (EtOH). Mp 229-233° dec.
B,HBr: [77989-59-4]. Cryst. Mp 258-260° dec.

Ger. Pat., 2 926 771, (*1981*); *CA*, **95**, 25048 (*synth, pharmacol*)

Meticrane, INN **M-00319**

3,4-Dihydro-6-methyl-2H-1-benzothiopyran-7-sulfonamide 1,1-dioxide, 9CI. *6-Methylthiochroman-7-sulfonamide 1,1-dioxide,* 8CI. *Arresten. Fontilix. Megalan. MK 103. SD 17102*

[1084-65-7]



$C_{10}H_{13}NO_4S_2$ M 275.337

Diuretic. Mp 236-237°.

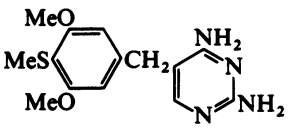
▷XK6360000.

Fr. Pat., 1 365 504, (*1964*); *CA*, **61**, 14642d (*synth, pharmacol*)
Boissier, J.R. *et al*, *Therapie*, 1965, **20**, 1305; 1967, **22**, 137 (*pharmacol*)
Boissier, J.R. *et al*, *Ann. Pharm. Fr.*, 1970, **28**, 497 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12953.

Metioprim, BAN, INN, USAN **M-00320**

5-[[3,5-Dimethoxy-4-(methylthio)phenyl]methyl]-2,4-pyrimidinediamine, 9CI. *2,4-Diamino-5-[3,5-dimethoxy-4-(methylthio)-benzyl]pyrimidine*

[68902-57-8]



$C_{14}H_{18}N_4O_2S$ M 306.382

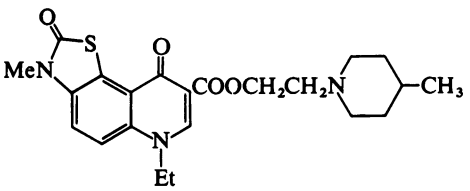
Antibacterial agent. Cryst. (EtOH). Mp 231-232°.

Ger. Pat., 2 847 825, (*1979*); *CA*, **91**, 107996k (*synth, pharmacol*)
Liebenow, W. *et al*, *J. Antimicrob. Chemother., B*, 1979, **5**, 15 (*pharmacol, props*)
Bergan, T. *et al*, *Chemotherapy (Basel)*, 1986, **32**, 319 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12954.

Metioxate, INN **M-00321**

2-(4-Methylpiperidinyl)ethyl 6-ethyl-2,3,6,9-tetrahydro-3-methyl-2,9-dioxothiazolo[5,4-f]quinoline-8-carboxylate, 9CI. *DB 2563*

[42110-58-7]



$C_{22}H_{27}N_3O_4S$ M 429.533

Bactericide. Cryst. (Me_2CO). Mp 190-192°.

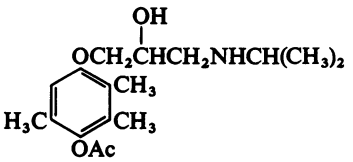
B,HCl: Mp 240°.

Ger. Pat., 2 252 323, (*1973*); *CA*, **79**, 18691s (*synth, pharmacol*)

Metipranolol, BAN, INN **M-00322**

4-(2-Hydroxy-3-isopropylaminopropoxy)-2,3,6-trimethylphenyl acetate. Betanol. Methypranol. Trimepranol. Disorat. Turoptin

[22664-55-7]



$C_{17}H_{27}NO_4$ M 309.405

Antiarrhythmic (β-adrenergic blocker), antiglaucoma agent. Mp 105-107°.

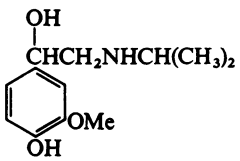
▷LD_{50} in mice 31 mg/kg i.v. UB6500000.

Czech. Pat., 128 471, (*1968*); *CA*, **71**, 3129a (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1976, **31**, 363 (*uv*)
Bartsch, W. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1022 (*pharmacol, toxicol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6313.

Metiprenaline, INN **M-00323**

4-Hydroxy-3-methoxy-α-[[(1-methylethyl)amino]-methyl]benzenemethanol, 9CI. *α-[(Isopropylamino)-methyl]vanillyl alcohol,* 8CI. *3-Methoxyisoprenaline. Egyt 402. Moxa*

[1212-03-9]



$C_{12}H_{19}NO_3$ M 225.287

Metab. of isoprenaline.

(±)-*form*

Antiallergic drug. Sympathomimetic agent.

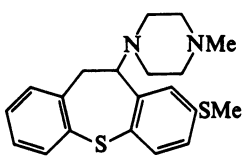
B,HCl: Mp 152°.

Beke, D. *et al*, *Pharm. Zentralhalle*, 1953, **92**, 237 (*synth*)
Langecker, H. *et al*, *Naunyn-Schmiedebergs Arch. Exp. Pathol. Pharmakol.*, 1955, **226**, 493 (*pharmacol, tox*)

Metitepine, INN **M-00324**

1-[10,11-Dihydro-8-(methylthio)dibenzo[b,f]thiepin-10-yl]-4-methylpiperazine, 9CI, 8CI. *Methiothepine*

[20229-30-5]



$C_{20}H_{24}N_2S_2$ M 356.543

▷TL4310000.

(±)-*form*

Exists in at least 2 cryst. forms. Psychotropic agent. Mp 80-82°, Mp 88-89°.

Maleate (1:1): [19728-88-2]. Mp 171-173°, Mp 160-161°.

▷TL4325000.

Ger. Pat., 2 026 027, (*1970*); *CA*, **74**, 42383j (*synth, pharmacol*)
Jílek, J.O. *et al*, *Collect. Czech. Chem. Commun.*, 1973, **38**, 599 (*synth, pharmacol*)

Eschenhof, E. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 262 (*metab*)
Jilek, J.O. *et al*, *Collect. Czech. Chem. Commun.*, 1980, **45**, 504 (*synth, pharmacol*)

Metkefamide, INN M-00325

L-Tyrosyl-D-alanylglycyl-L-phenylalanyl-N²-methyl-L-methioninamide, 9CI

[66960-34-7]

H-Tyr-D-Ala-Gly-Phe-(N^2-MeMet)-NH_2

$C_{29}H_{40}N_6O_6S$ M 600.732
Analgesic (enkephalin-type peptide).
B,HCl: [66959-92-0].
B,AcOH: [66960-35-8]. *Metkefamide acetate, USAN. LY 127623.*

Ger. Pat., 2 741 393, (*1978*); *CA*, **89**, 24818m (*synth, pharmacol*)

Metocinium(1+) M-00326

(2-Hydroxyethyl)trimethylammonium benzilate, 8CI. Choline benzilate

$Ph_2C(OH)COOCH_2CH_2NMe_3^{\oplus}$

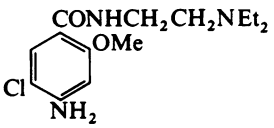
$C_{19}H_{24}NO_3^{\oplus}$ M 314.404 (ion)
Anticholinergic, spasmolytic agent.
Bromide: [55019-64-2]. *Benzilylcholine bromide. Hypaventral.*
$C_{19}H_{24}BrNO_3$ M 394.308
Iodide: [2424-71-7]. *Metocinium iodide, INN. Benzacin. Metacin. Methoxin.*
$C_{19}H_{24}INO_3$ M 441.308
Leaflets. Mp 195°.

Lespagnol, A. *et al*, *Bull. Soc. Pharm. Lille*, 1962, 109 (*synth*)
Liberman, S.S., *Farmakol. Toksikol.*, 1964, **27**, 675 (*tox, pharmacol*)

Metoclopramide, BAN, INN, JAN M-00327

4-Amino-5-chloro-N-[(2-diethylamino)ethyl]-2-methoxybenzamide, 9CI. 4-Amino-5-chloro-N-[2-(diethylamino)ethyl]-o-anisamide, 8CI

[364-62-5]



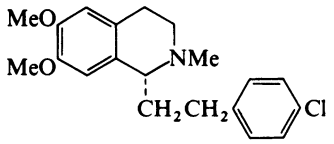
$C_{14}H_{22}ClN_3O_2$ M 299.800
Antiemetic.
▷BZ3300000.
B,HCl: [7232-21-5]. *Numerous proprietary names.* Cryst. powder + $1H_2O$. Mp 182.5-184°.
▷BZ3325000.
B,2HCl: [54143-57-6]. *Metoclopramide hydrochloride, USAN, JAN. Reglan. Maxolon. Primperan.* Cryst. powder + $1H_2O$. Mp 145° dec.
N^4-(4-Chlorophenoxyacetyl): see Cloxacepride, C-00514

Inukai, N. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 1696 (*synth*)
Topart, J. *et al*, *J. Pharm. Belg.*, 1973, **28**, 633 (*ir, nmr, uv, ms*)
Pinder, R.M. *et al*, *Drugs*, 1976, **12**, 81 (*rev, pharmacol*)
Blaton, W.M. *et al*, *Cryst. Struct. Commun.*, 1980, **9**, 857 (*cryst struct*)
Smith, M.A. *et al*, *Drug. Intell. Clin. Pharm.*, 1980, **14**, 169 (*rev, pharm*)
Anker, L. *et al*, *Helv. Chim. Acta*, 1984, **67**, 706 (*pmr, conform*)
Pitré, D. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 327 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6541.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3319.

Metofoline, BAN, INN M-00328

1-[2-(4-Chlorophenyl)ethyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinoline, 9CI. 1-(p-Chlorophenethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinoline, 8CI. ***Methopholine, USAN.*** *Versidyne*

[2154-02-1]



(R)-form
Absolute configuration

$C_{20}H_{24}ClNO_2$ M 345.868
▷NW7350000.

(R)-form
Mp 79-80°. $Bp_{0.15}$ 194°. $[\alpha]_D^{25}$ −16° (c, 1.0 in MeOH).

(S)-form
$Bp_{0.06}$ 196-198°. $[\alpha]_D^{25}$ +17.9° (c, 1.0 in MeOH).

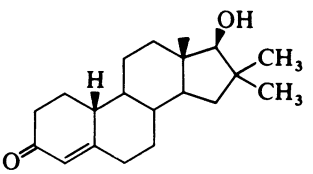
(±)-form
Analgesic. Mp 109-110°.
B,HCl: Mp 105-106°.

Brossi, A. *et al*, *Helv. Chim. Acta*, 1960, **43**, 1459 (*synth, resoln*)
Brossi, A. *et al*, *Helv. Chim. Acta*, 1961, **44**, 1558 (*abs config*)
Besendorf, H. *et al*, *Experientia*, 1962, **18**, 446 (*pharmacol*)
Jirkovsky, I. *et al*, *Collect. Czech. Chem. Commun.*, 1967, **32**, 1197 (*synth, deriv*)
Sciorelli, G. *et al*, *Experientia*, 1967, **23**, 934 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6238.

Metogest, USAN, INN M-00329

17β-Hydroxy-16,16-dimethyl-4-estren-3-one, 9CI

[52279-58-0]



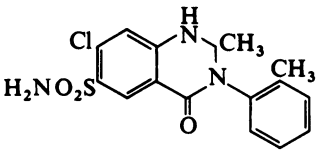
$C_{20}H_{30}O_2$ M 302.456
Hormone, antiandrogen. Used in acne treatment. Cryst. (EtOAc). Mp 172-175°.

Ger. Pat., 2 425 822, (*1975*); *CA*, **82**, 171292u (*synth, pharmacol*)

Metolazone, BAN, USAN, INN, JAN **M-00330**

7-Chloro-1,2,3,4-tetrahydro-2-methyl-3-(2-methylphenyl)-4-oxo-6-quinazolinesulfonamide, 9CI. 7-Chloro-1,2,3,4-tetrahydro-2-methyl-4-oxo-3-o-tolyl-6-quinazolinesulfonamide, 8CI. 2-Methyl-3-o-tolyl-6-sulfamoyl-7-chloro-1,2,3,4-tetrahydro-4-quinazolinone. Zaroxolyn. Other synonyms

[17560-51-9]



$C_{16}H_{16}ClN_3O_3S$ M 365.834

Diuretic. Mp 253-259°.

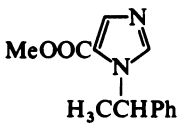
▷VA1700000.

Belair, E.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **177**, 71 (*pharmacol*)
Shetty, B.V. *et al, J. Med. Chem.*, 1970, **13**, 886 (*synth*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Kuhnert-Brandstaetter, M. *et al, Mikrochim. Acta*, 1975, **5-6**, 549 (*isom*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3931 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2349.

Metomidate, BAN, INN **M-00331**

1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid methyl ester, 9CI. 1-(α-Methylbenzyl)-5-imidazole-carboxylic acid methyl ester

[5377-20-8]



$C_{13}H_{14}N_2O_2$ M 230.266

Veterinary sedative.

▷NI4025000.

B,HCl: [35944-74-2]. *Hypnodil. Methoxinol. Nokemyl.* Mp 173-174°.

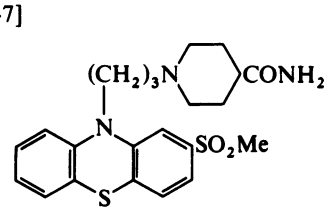
▷NI4200000.

Belg. Pat., 662 473, (*1965*); *CA*, **65**, 3886f (*synth*)
Godefroi, E.F. *et al, J. Med. Chem.*, 1965, **8**, 220 (*synth*)
Kuznetsova, E.A. *et al, Khim.-Farm. Zh.*, 1978, **12**, 53, (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12956.

Metopimazine, BAN, INN, USAN **M-00332**

1-[3-[2-(Methylsulfonyl)-10H-phenothiazin-10-yl]-propyl]-4-piperidinecarboxamide, 9CI. 1-[3-[2-(Methylsulfonyl)phenothiazin-10-yl]propyl]-isonipecotamide, 8CI. 10-[3-(4-Carbamoylpiperidino)-propyl]-2-methanesulfonylphenothiazine. RP 9965. Nortrip. Vogalen

[14008-44-7]



$C_{22}H_{27}N_3O_3S_2$ M 445.594

Antiemetic. Mp 170-171°.

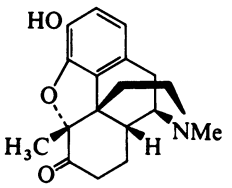
▷NS5075000.

Ger. Pat., 1 092 476, (*1962*); *CA*, **56**, 8723 (*synth*)
Julon, J. *et al, C. R. Hebd. Seances Acad. Sci., Ser. D*, 1968, **266**, 2365 (*pharmacol*)
Blazek, J. *et al, Cesk. Farm.*, 1972, 21, 389 (*uv*)
Kracmar, J. *et al, Cesk. Farm.*, 1985, **36**, 97 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6545.

Metopon, BAN, INN **M-00333**

4,5α-Epoxy-3-hydroxy-5,17-dimethylmorphinan-6-one, 9CI. Methyldihydromorphinone. 5-N-Dimethyl-3-hydroxy-6-oxo-4,5-epoxymorphinan

[143-52-2]



Absolute configuration

$C_{18}H_{21}NO_3$ M 299.369

Narcotic analgesic. Needles (EtOH). Spar. sol. org. solvs. Mp 243-245° (*in vacuo*). $[\alpha]_D^{24}$ −141° (c, 1 in EtOH).

▷QD2300000.

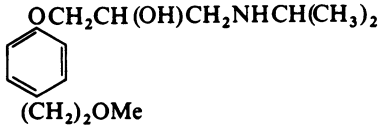
B,HCl: [124-92-5]. Mp 315-318° (*in vacuo*). $[\alpha]_D^{24}$ −105° (c, 1 in H_2O).

Small, L. *et al, J. Am. Chem. Soc.*, 1936, **58**, 14457 (*synth*)
Himmelsbach, C.F., *J. Pharmacol.*, 1939, **67**, 239 (*pharmacol*)
Stork, G. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4373 (*struct*)
Sargent, L.J. *et al, J. Med. Chem.*, 1970, **13**, 1061 (*analogues*)
Boden, R.M. *et al, J. Org. Chem.*, 1982, **47**, 1347 (*synth*)

Metoprolol, BAN **M-00334**

1-[4-(2-Methoxyethyl)phenoxy]-3-[(1-methylethyl)-amino]-2-propanol, 9CI. 1-(Isopropylamino)-3-[p-(2-methoxyethyl)-phenoxy]-2-propanol

[37350-58-6]



$C_{15}H_{25}NO_3$ M 267.367

▷UB7875400.

(±)-form

β-Adrenergic blocker, hypotensive agent. Mainly used as tartrate.

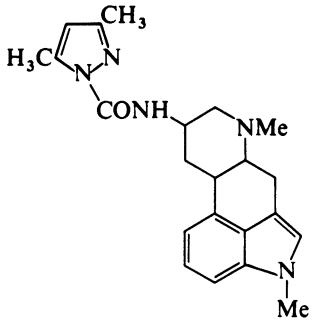
Tartrate (2:1): [56392-17-7]. *Betaloc. Lopresor. Metoprolol tartrate, JAN, USAN.* Mp 120-123°. $[\alpha]_D^{20}$ +8.5°.

Swedish Pat., 368 004, (*1974*); *CA*, **83**, 113916k (*synth*)
Ablad, B. *et al, Acta Pharmacol. Toxicol. Suppl.*, 1975, **36**, 7 (*rev, pharmacol*)
Luch, J.R., *Anal. Profiles Drug Subst.*, 1983, **12**, 325 (*rev, synth, pharmacol*)
Koenig, W.A. *et al, J. Chromatogr.*, 1984, **296**, 423 (*resoln*)
Benfield, P. *et al, Drugs*, 1986, **31**, 376 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3773.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6314.

Metoquizine, USAN, INN **M-00335**

*3,5-Dimethyl-*N*-(4,6,6a,7,8,9,10,10a-octahydro-4,7-dimethylindolo[4,3-fg]quinolin-9-yl)-1*H*-pyrazole-1-carboxamide,* 8CI. *4,7-Dimethyl-9-(3,5-dimethylpyrazole-1-carboxamido)-4,6,6a,7,8,9,10,10a-octahydroindolo[4,3-fg]quinoline*

[7125-67-9]



$C_{22}H_{27}N_5O$ M 377.488

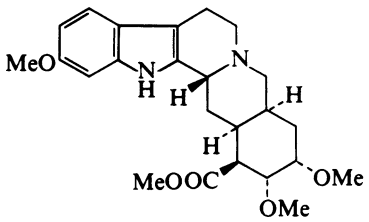
Anticholinergic drug. Mp 195-205°.

U.S.P., 3 183 234, (*1965*); *CA*, **63**, 1787g (*synth, pharmacol*)

Metoserpate, BAN, INN **M-00336**

11,17,18-Trimethoxyyohimban-16-carboxylic acid methyl ester, 9CI. O-*Methyl-18-epireserpic acid methyl ester. 2,3α,11-Trimethoxyyohimban-1-carboxylic acid methyl ester*

[1178-28-5]



$C_{24}H_{32}N_2O_5$ M 428.527

(3β,16β,17α,18α,20α)-form

Sedative, tranquilliser. Mp 248.5-251.5° dec.

B,HCl: [1178-29-6]. *Avicalm. Pacitran. Mepireserpate hydrochloride. Mepiserpato. Metoserpate hydrochloride,* USAN. Sol. H_2O. Mp 240-242° dec.

▷ZG1050000.

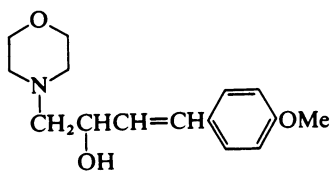
Robison, M.M. *et al, J. Am. Chem. Soc.*, 1961, **83**, 2694 (*synth*)

Ben-David, M. *et al, Arch. Int. Pharmacodyn. Ther.*, 1968, **171**, 274 (*pharmacol*)

Metostilenol, INN **M-00337**

α-[2-(4-Methoxyphenyl)ethenyl]-4-morpholineethanol, 9CI. *4-(4-Methoxyphenyl)-1-morpholino-3-buten-2-ol*

[80304-55-8]



$C_{15}H_{21}NO_3$ M 263.336

(±)-form [103980-45-6]

Antidepressant. Cryst. (cyclohexane). Mp 88°.

B,HCl: Cryst. (EtOH). Mp 210°.

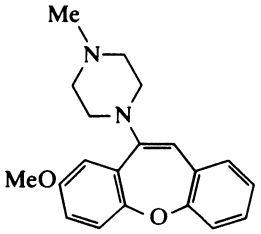
Fr. Pat., 2 473 518, (*1981*); *CA*, **96**, 34825v (*synth, pharmacol*)

Astoin, J. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1985, **20**, 495 (*synth, pharmacol*)

Metoxepin, INN **M-00338**

1-(8-Methoxydibenz[b,f]oxepin-10-yl)-4-methylpiperazine, 8CI

[22013-23-6]



$C_{20}H_{22}N_2O_2$ M 322.406

Antiemetic, neuroleptic, antihistaminic agent. Cryst. (MeOH). Mp 141-143°.

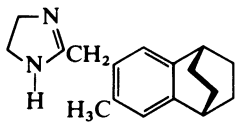
Maleate: [22013-24-7]. Mp 199° dec.

B.P., 1 189 734, (*1968*); *CA*, **70**, 96823q (*synth, pharmacol*)

Metrafazoline, INN **M-00339**

*4,5-Dihydro-2-[(1,2,3,4-tetrahydro-7-methyl-1,4-ethanonaphthalen-6-yl)methyl]-1*H*-imidazole,* 9CI. *2-[(1,2,3,4-Tetrahydro-7-methyl-1,4-ethanonaphthalen-6-yl)methyl]-2-imidazoline*

[38349-38-1]



$C_{17}H_{22}N_2$ M 254.374

Vasoconstrictor. Cryst. (isopropyl ether). Mp 154-156°.

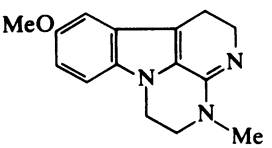
B,HCl: Cryst. (MeOH). Mp 282-283°.

Ger. Pat., 2 158 468, (*1972*); *CA*, **77**, 140074s (*synth, pharmacol*)

Metralindole, INN **M-00340**

*2,4,5,6-Tetrahydro-9-methoxy-4-methyl-1*H*-3,4,6a-triazafluoranthene,* 9CI. *3-Methyl-8-methoxy-3*H*-1,2,5,6-tetrahydropyrazino(1,2,3-ab)-β-carbolin*

[54188-38-4]



$C_{15}H_{17}N_3O$ M 255.319

Antidepressant. Cryst. (MeOH aq.). Mp 164-166°.

B,HCl: [53734-79-5]. *Incazane. Inkasan.*

▷XX8540000.

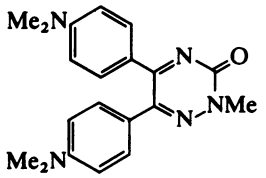
Ger. Pat., 2 357 320, (*1974*); *CA*, **81**, 91594h (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16892.

Metrazifone, INN **M-00341**

5,6-Bis[4-(dimethylamino)phenyl]-2-methyl-1,2,4-triazin-3(2H)-one, 9CI. ST 729

[68289-14-5]



$C_{20}H_{23}N_5O$ M 349.435

Analgesic. Mp 210°.

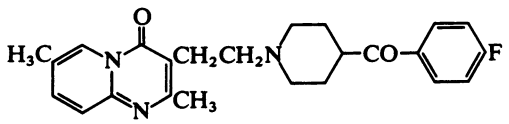
Ger. Pat., 2 810 052, (*1978*); *CA*, **89**, 197609x (*synth, pharmacol*)

Pitet, G. *et al*, *Boll. Chim. Farm.*, 1981, **120**, 516 (*synth, ir, uv, ms, nmr, chromatog*)

Metrenperone, INN **M-00342**

3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,7-dimethyl-4H-pyrido[1,2-a]pyrimidin-4-one, 9CI. R 50970

[81043-56-3]



$C_{24}H_{26}FN_3O_2$ M 407.487

Serotonin antagonist. Vet. prod. Mp 167°.

Eur. Pat., 37 265, (*1981*); *CA*, **96**, 122814 (*synth, pharmacol*)

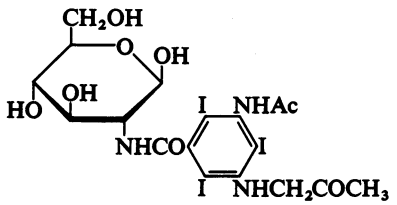
Reiche, R. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **263**, 139 (*pharmacol*)

Schrauwen, E. *et al*, *Br. Vet. J.*, 1985, **141**, 179 (*pharmacol*)

Metrizamide, INN, BAN, JAN **M-00343**

2-[[3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoyl]amino]-2-deoxy-D-glucose, 9CI. 2-[3-Acetamido-2,4,6-triiodo-5-(N-methylacetamido)-benzamido]-2-deoxy-D-glucose, 8CI. Amipaque. Telebrin 300

[31112-62-6]



$C_{18}H_{22}I_3N_3O_8$ M 789.101

Radioopaque substance, diagnostic aid. Cryst. (2-propanol). Mp 230° dec. $[\alpha]_D^{20}$ +18.0° (c, 0.13 in 0.1*N* HCl).

▷LZ6650000.

Ger. Pat., 2 031 724, (*1971*); *CA*, **74**, 99662e (*synth*)

Mathias, A.P. *et al*, *FEBS Lett.*, 1973, **33**, 18.

Rickwood, D., *et al*, *FEBS Lett.*, 1975, **50**, 102 (*rev*)

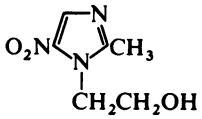
Hol, L. *et al*, *Pharmacological Biochemical Prop. of Drug Subst.*, 1977, **1**, 387 (*rev, pharm*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1578.

Metronidazole, BAN, USAN **M-00344**

2-Methyl-5-nitro-1H-imidazole-1-ethanol, 9CI. 2-Methyl-5-nitroimidazol-1-ylethanol. 1-(2-Hydroxyethyl)-2-methyl-5-nitroimidazole. Flagyl. Numerous proprietary names

[443-48-1]



$C_6H_9N_3O_3$ M 171.155

Antiprotozoal, antibacterial and amoebicidal agent. Cream-coloured cryst. (EtOAc). Mp 158-160°.

▷NI5600000.

B,HCl: [69198-10-3]. *Metronidazole hydrochloride, USAN.*

Carbamoyl: [31478-45-2]. ***Bamnidazole,*** *INN, USAN. Metronidazole carbamate. 20578 RP.*

$C_7H_{10}N_4O_4$ M 214.180

Antiprotozoal. Cryst. (MeCN). Mp 151-152°.

3-Carboxypropanoyl: [13182-87-1]. ***Metronidazole hydrogen succinate.*** *Hemestal.*

$C_{10}H_{13}N_3O_6$ M 271.229

Antiprotozoal. Mp 109°.

Phosphate (ester): [73334-05-1]. ***Metronidazole phosphate, USAN.*** *U 54555.*

$C_6H_{10}N_3O_6P$ M 251.135

Antiprotozoal. Cryst. Mp 237-238°.

Benzoyl: [13182-89-3]. ***Metronidazole benzoate, BAN.*** *Benzoylmetronidazole. Flagyl S. Other proprietary names.*

$C_{13}H_{13}N_3O_4$ M 275.263

Antiprotozoal, antibacterial. Mp 102°.

Cossar, B.C. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 23 (*synth*)

Stambaugh, J.E. *et al*, *Can. J. Spectrosc.*, 1968, **13**, 134 (*ir, nmr*)

Huether, H. *et al*, *J. Mol. Struct.*, 1969, **4**, 108 (*nmr*)

Ger. Pat., 2 035 573, (*1971*); *CA*, **74**, 100044 (*Bamnidazole*)

Ross, W.J. *et al*, *J. Med. Chem.*, 1972, **15**, 1035 (*pharmacol*)

Wearley, L.L. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 327 (*rev*)

Phillips, I. *et al*, Eds., *R. Soc. Med. Int. Congr. Symp. Ser. No. 18: Metronidazole*, Academic Press, N.Y., 1979 (*book*)

Cho, M.J. *et al*, *J. Pharm. Sci.*, 1982, **71**, 410 (*phosphate*)

Edwards, D.I., *Antibiotics (N.Y.)*, 1983, **6**, 121 (*rev, pharmacol*)

McKillop, A. *et al*, *Tetrahedron*, 1983, **39**, 3797 (*cmr*)

Scully, B.E., *Med. Clin. North. Am.*, 1988, **72**, 613 (*rev, pharmacol*)

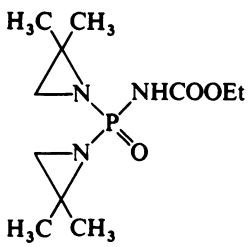
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 480, 2721 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4751, 16893.

Meturedepa, USAN, INN **M-00345**

Ethyl [bis(2,2-dimethyl-1-aziridinyl)phosphinyl]-carbamate, 9CI, 8CI. Turloc. Dimethylurethimine

[1661-29-6]



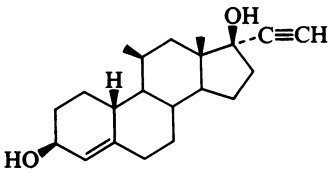
$C_{11}H_{22}N_3O_3P$ M 275.287

Antineoplastic drug. Cryst. (Et_2O). Mp 119-121°.

B.P., 911 764, (*1960*); *CA*, **60**, 1701h (*synth*)
Bardos, T.J. *et al*, *J. Pharm. Sci.*, 1965, **54**, 187 (*synth, ir, pmr*)
Bořkovec, A.B. *et al*, *J. Med. Chem.*, 1966, **9**, 522 (*pharmacol*)
Bardos, T.J. *et al*, *Ann. N.Y. Acad. Sci.*, 1969, **163**, 1006 (*pharmacol*)
Lalko, D. *et al*, *J. Pharm. Sci.*, 1975, **64**, 230 (*pharmacol*)

Metynodiol, INN M-00346

11-Methyl-19-nor-4-pregnen-20-yne-3,17-diol, *8CI. Methynodiol*



$C_{21}H_{30}O_2$ M 314.467

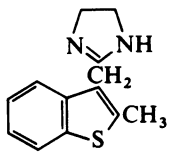
(3β,11β,17α)-form [23163-42-0]
Progestin. Mp 175-180°.

Di-Ac: [23163-51-1]. ***Metynodiol diacetate, USAN.*** *SC 19198.*
$C_{25}H_{34}O_4$ M 398.541
Progestin. Mp 148°.

Ger. Pat., 1 814 572, (*1968*); *CA*, **71**, 39280g (*synth, pharmacol*)
Baran, J.S. *et al*, *Experientia*, 1970, **26**, 762 (*DiAc*)
Ger. Pat., 2 137 856, (*1972*); *CA*, **76**, 127269 (*DiAc*)

Metyzoline, BAN M-00347

4,5-Dihydro-2-[(2-methylbenzo[b]thien-3-yl)methyl]-1H-imidazole, *9CI. 2-[(2-Methylbenzo[b]thien-3-yl)-methyl]-2-imidazoline*, *8CI. 2-Methyl-3(Δ²-imidazolinylmethyl)benzo[b]thiophene.* ***Metizoline, INN***
[17692-22-7]



$C_{13}H_{14}N_2S$ M 230.327
Vasoconstrictor, adrenergic agent. Mp 156-157°.

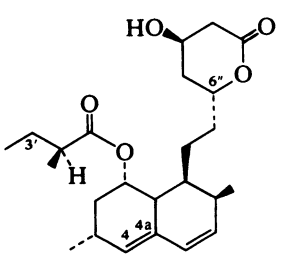
B,HCl: [5090-37-9]. *Metizoline hydrochloride, USAN. Elsyl. Benazoline. Eunasin. Metigoline.* Sl. sol. H_2O, insol. $CHCl_3$. Mp 244-246°.

▷NI4805000.

Fr. Pat., M 1614, (*1963*); *CA*, **58**, 12574e (*synth, pharmacol*)

Mevinolin M-00348

Lovastatin, INN, USAN. *Monacolin K. MSD 803. Antibiotic MSD 803. MB 530B. Antibiotic MB 530B. L-154803*
[75330-75-5]



$C_{24}H_{36}O_5$ M 404.545

Metab. of *Aspergillus terreus* and *Monascus ruber*. Inhibitor of cholesterol biosynthesis. Potent inhibitor of HMG-CoA. Antihyperlipidaemic agent. Cryst. (Me_2CO aq.). Mp 170-171° (157-159°). $[\alpha]_D^{25}$ +307.6° (c, 1 in MeOH).

▷EK7907000.

4,4a-Dihydro: [77517-29-4]. ***4,4a-Dihydromevinolin.*** *MSD 883. Antibiotic MSD 883.*
$C_{24}H_{38}O_5$ M 406.561
From *A. terreus*. Hypocholesterolaemic, antifungal agent. Cryst. Mp 131-132°. $[\alpha]_D^{25}$ +148.6° (c, 0.523 in MeCN).

3'-Hydroxy: [85643-15-8]. ***β-Hydroxymevinolin.***
$C_{24}H_{36}O_6$ M 420.545
From *A. terreus*. Hypocholesterolaemic, hypolipaemic and antifungal agent.

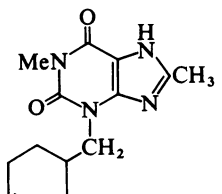
3-Hydroxy: Prod. by microbial hydroxylation of parent. Shows enhanced activity.

6″-Epimer: Cryst. (Et_2O/hexane). Mp 70-74°.

Endo, A.J., *J. Antibiot.*, 1979, **32**, 852; 1980, **33**, 334 (*isol*)
Alberts, A.W. *et al*, *J. Proc. Natl. Acad. Sci. U.S.A.*, 1980, **77**, 3957 (*isol*)
Ger. Pat., 3 006 215, (*1980*); *CA*, **94**, 119471 (*isol*)
Lam, Y.K.T. *et al*, *J. Antibiot.*, 1981, **34**, 614 (*struct*)
Chan, J.K. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 3334 (*biosynth, cmr*)
Serizawa, N. *et al*, *J. Antibiot.*, 1983, **36**, 604.
U.S.P., 4 376 863, (*1983*); *CA*, **98**, 196350 (*isol, deriv*)
Anon, *Synform*, 1984, **2**, 111 (*rev, synth*)
Sato, S. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 195 (*cryst struct*)
Endo, A. *et al*, *J. Antibiot.*, 1985, **38**, 444 (*biosynth, cmr, bibl*)
Endo, A., *J. Med. Chem.*, 1985, **28**, 401 (*rev*)
Lee, T.-J., *Tetrahedron Lett.*, 1985, **26**, 4995 (*synth, analogs*)
Moore, R.N. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 3694 (*biosynth*)
Hecker, S.J. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 4586.
Rosen, T. *et al*, *Tetrahedron*, 1986, **42**, 4909 (*rev*)
Stokker, G.E. *et al*, *J. Org. Chem.*, 1986, **51**, 4931 (*epimer*)
McKenney, J.M. *et al*, *Clin. Pharm.*, 1988, **7**, 21 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16894.

Mexafylline, INN M-00349

3-(3-Cyclohexen-1-ylmethyl)-1,8-dimethylxanthine
[80294-25-3]



$C_{14}H_{18}N_4O_2$ M 274.322

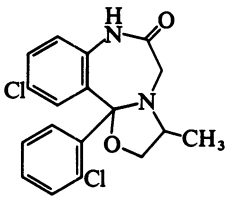
(±)-form
Vasodilator, bronchodilator. Cryst. (2-propanol). Mp 253-255°.

Belg. Pat., 891 561, (*1982*); *CA*, **97**, 72385e (*synth, pharmacol*)

Mexazolam, INN M-00350

10-Chloro-11b-(2-chlorophenyl)-2,3,7,11b-tetrahydro-3-methyloxazolo[3,2-d][1,4]benzodiazepin-6(5H)-one, 8CI. Methylcloxazolam. Melex. CS 386

[31868-18-5]



$C_{18}H_{16}Cl_2N_2O_2$ M 363.243

▷RQ5831370.

cis-form [69520-53-2]

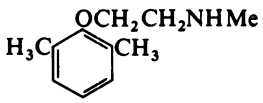
Sedative. Cryst. (EtOH). Mp 172-175°.

Miyadera, T. *et al*, *J. Med. Chem.*, 1971, **14**, 520 (*synth, pharmacol*)
Tachikawa, R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 1524 (*synth, pmr, struct*)
Kurono, Y. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3831 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16895.

Mexiletine, BAN, INN M-00351

1-(2,6-Dimethylphenoxy)-2-propanamine, 9CI. 1-Methyl-2-(2,6-xylyloxy)ethylamine

[31828-71-4]



$C_{11}H_{17}NO$ M 179.261

Antiarrhythmic, anticonvulsant.

▷KR9300000.

B,HCl: [5370-01-4]. *Mexitil. Kalen. Mexilen. Mexiletin hydrochloride, USAN. Mexitec. Mexitilen. Moxitil. Tumetil.* Cryst. (EtOH/Et_2O). Mp 203-205°.

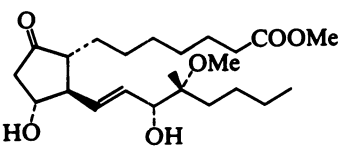
▷KR9310000.

Scott, F.N. *et al*, *Drug Metab. Dispos.*, 1973, **1**, 506 (*cmr, ms, metab*)
U.S.P., 3 954 872, (*1976*), *CA*, **85**, 77855v (*synth, pharmacol*)
Chew, C.Y.C., *Drugs*, 1979, **17**, 161 (*rev*)
Kumar, Y. *et al*, *Acta Pharm. Suec.*, 1983, **20**, 349 (*synth*)
Grech-Belanger, O. *et al*, *J. Chromatogr.*, 1985, **337**, 172 (*resoln*)
Schrader, B.J. *et al*, *Drug Intell. Clin. Pharm.*, 1986, **20**, 255 (*rev, pharm*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7789.

Mexiprostil, INN M-00352

11,15-Dihydroxy-16-methoxy-16-methyl-9-oxoprost-13-en-1-oic acid methyl ester, 9CI. MDL 646

[76822-56-5]



$C_{23}H_{40}O_6$ M 412.565

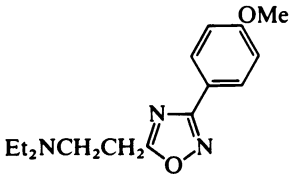
Gastric antisecretory and cytoprotective agent. Cryst. (Et_2O/hexane). Mp 49°. $[\alpha]_D^{25}$ −50.3° (c, 0.96 in $CHCl_3$).

Guzzi, U. *et al*, *J. Med. Chem.*, 1986, **29**, 1826 (*synth*)
Mueller, P. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 972 (*pharmacol*)
Petrillo, M. *et al*, *Hepato-Gastroenterology*, 1987, **34**, 117 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2753.

Mexolamine M-00353

N,N-*Diethyl-3-(4-methoxyphenyl)-1,2,4-oxadiazole-5-ethanamine, 9CI. 5-[β-(Diethylamino)ethyl]-3-(p-methoxyphenyl)-1,2,4-oxadiazole. AF 594*

[3687-61-4]



$C_{15}H_{21}N_3O_2$ M 275.350

Antiinflammatory, analgesic. $Bp_{0.1}$ 148°.

▷RO0690000.

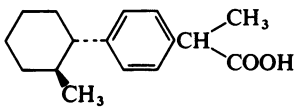
B,HCl: Mp 160-161°.

Silvestrini, B. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 539 (*pharmacol*)
B.P., 924 608, (*1963*); *CA*, **59**, 6416f (*synth*)

Mexoprofen, INN M-00354

α-Methyl-4-(2-methylcyclohexyl)benzeneacetic acid, 9CI. p-(2-Methylcyclohexyl)hydratropic acid

[37529-08-1]



$C_{16}H_{22}O_2$ M 246.349

(±)-*trans-form*

Antiinflammatory agent. Mp 72-74°.

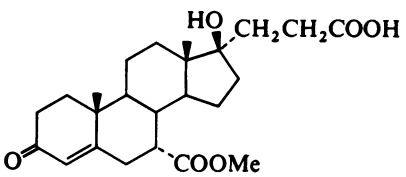
Me ester: $Bp_{0.05}$ 136°.

Ger. Pat., 2 157 694, (*1972*); *CA*, **77**, 75016h (*synth, pharmacol*)
Langlois, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 493 (*synth, pharmacol*)

Mexrenoic acid M-00355

17-Hydroxy-3-oxopregn-4-ene-7,21-dicarboxylic acid 7-Me ester, 9CI

[41020-68-2]



$C_{24}H_{34}O_6$ M 418.529

Aldosterone antagonist, diuretic.

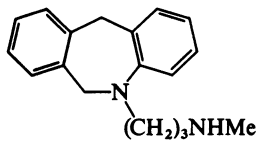
K salt: [41020-67-1]. *Mexrenoate potassium, USAN.* Cryst. + $2H_2O$.

U.S.P., 3 787 396, (*1974*); *CA*, **80**, 96227e (*synth, pharmacol*)
Hofmann, L.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1977, **201**, 762 (*pharmacol*)

Mezepine, INN **M-00356**

5,6-Dihydro-5-[3-(methylamino)propyl]-11H-dibenz[b,e]azepine, 9CI. 5,6-Dihydro-5-[3-(methylamino)propyl]morphanthridine, 8CI

[27432-00-4]



$C_{18}H_{22}N_2$ M 266.385

Antidepressant.

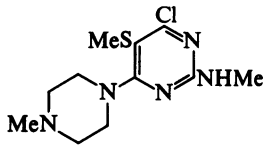
Citrate: [27432-00-4]. Mp 133°.
Fumarate: [27229-23-8]. Mp 138-142°.
Oxalate: [27470-75-3]. Mp 183-184°.

Fr. Pat., M6171, (*1968*); *CA*, **72**, 43502u (*synth, pharmacol*)

Mezilamine, INN **M-00357**

4-Chloro-N-methyl-6-(4-methyl-1-piperazinyl)-5-(methylthio)-2-pyrimidinamine, 9CI. 4-Chloro-2-(methylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)-pyrimidine. O 6553

[50335-55-2]



$C_{11}H_{18}ClN_5S$ M 287.810

Antiemetic agent, muscle relaxant and neuroleptic. Mp 121-122°.

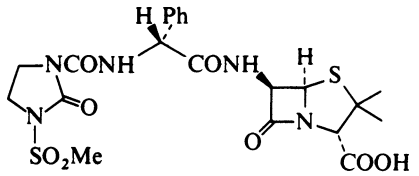
▷UV8126000.

Mattioda, G. *et al*, *J. Med. Chem.*, 1975, **18**, 553 (*synth, pharmacol*)
Loiseau, G. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 606 (*pharmacol*)

Mezlocillin, BAN, USAN, INN **M-00358**

Mezlin. Multocillin

[51481-65-3]



$C_{21}H_{25}N_5O_8S_2$ M 539.577

Semisynthetic penicillin. Shows good activity against gram-negative bacteria.

▷XH9170000.

Na salt: [42057-22-7]. *Baycipen. Baypen. Mezlocillin sodium, USAN, JAN.* Pale-yellow cryst.

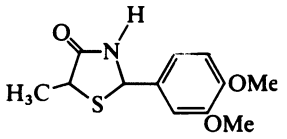
▷XH9165000.

Ger. Pat., 2 318 955, (*1974*); *CA*, **82**, 31313 (*synth*)
Bodey, G. *et al*, *Antimicrob. Agents Chemother.*, 1977, **11**, 74 (*props*)
Russo, J. *et al*, *Clin. Pharm.*, 1982, **1**, 207 (*rev*)
Koenig, H.B. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 88 (*rev*)
Drusano, G.L. *et al*, *Rev. Infect. Dis.*, 1984, **6**, 13 (*rev*)
Fiore, D. *et al*, *Antimicrob. Agents Chemother.*, 1984, **26**, 775 (*hplc*)
Branch, S.K. *et al*, *J. Pharm. Biomed. Anal.*, 1987, **5**, 73 (*rev, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 107.

Mezolidon **M-00359**

2-(3,4-Dimethoxyphenyl)-5-methyl-4-thiazolidinone, 9CI. KM 1146

[82697-73-2]



$C_{12}H_{15}NO_3S$ M 253.315

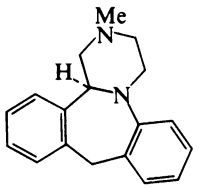
Antiulcerogenic agent. Leaf-like cryst. (C_6H_6). Mp 151-152.5°.

Eur. Pat., 50 002, (*1982*); *CA*, **97**, 92267 (*synth*)
Matsuo, Y. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1236 (*pharmacol*)

Mianserin, BAN, INN **M-00360**

1,2,3,4,10,14b-Hexahydro-2-methyldibenzo[c,f]-pyrazino[1,2-a]azepine, 9CI, 8CI. 2-Methyl-1,2,3,4,10,14b-hexahydro-2H-pyrazino[1,2-f]-morphanthridine

[24219-97-4]



Absolute configuration

$C_{18}H_{20}N_2$ M 264.369

(S)-form [51152-88-6]

Antidepressant, antihistamine.

B,HCl: [21535-47-7]. *Mianserin hydrochloride, USAN, JAN. Norval. Athimil. Bolvidon. Deprevon. Lantanon. Lerivon. Miansan. Serelan. Tetramide. Tolvin.* Mp 282-284°.

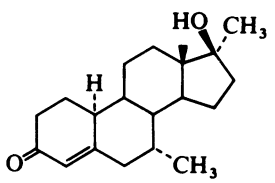
▷HP8780000.

van der Burg, W.J. *et al*, *J. Med. Chem.*, 1970, **13**, 35 (*synth*)
Fell, P.J. *et al*, *Eur. J. Clin. Pharmacol.*, 1973, **5**, 166 (*pharmacol*)
v. Rij, C. *et al*, *Tetrahedron*, 1973, **29**, 1891 (*cryst struct, abs config*)
Peet, M. *et al*, *Br. J. Clin. Pharmacol.*, 1978, **5**, 5 (*rev, pharmacol*)
Vink, J. *et al*, *Quant. Mass Spectrom. Life Sci.*, 1978, **2**, 367 (*ms*)
Filer, C.N. *et al*, *J. Org. Chem.*, 1981, **46**, 3344 (*synth*)
Kaspersen, F.M. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1983, **102**, 457 (*pmr, cmr*)
Marshall, R.J. *Br. J. Clin. Pharmacol.*, 1983, **15**, 263, 269 (*rev*)
Van Meerssche, M. *et al*, *Bull. Soc. Chim. Belg.*, 1983, **92**, 307 (*cryst struct*)
Blaschke, G. *et al*, *J. Liq. Chromatogr.*, 1986, **9**, 341 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2527.

Mibolerone, BAN, INN, USAN **M-00361**

17-Hydroxy-7,17-dimethylestr-4-en-3-one, 9CI. 7,17-Dimethyl-19-nortestosterone. Cheque. Matenon

[3704-09-4]



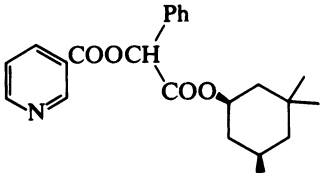
$C_{20}H_{30}O_2$ M 302.456

Anabolic/androgenic steroid. Cryst. (Me_2CO/hexane).
▷KG7980000.

U.S.P., 3 341 557, (*1967*); *CA*, **68**, 3127m (*synth, pharmacol*)
Mornon, J.P. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 258 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12957.

Micinicate, INN M-00362

2-Oxo-1-phenyl-2[(3,3,5-trimethylcyclohexyl)oxy]ethyl 3-pyridinecarboxylate, 9CI. 3,3,5-Trimethylcyclohexyl mandelate nicotinate. Cyclandelate nicotinate. RV 12128
[39537-99-0]

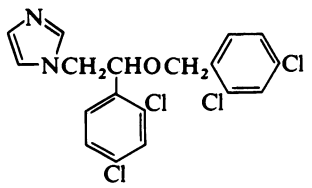


$C_{23}H_{27}NO_4$ M 381.471
Vasodilator, spasmolytic agent. Mp 64-65°.
4-Methylbenzenesulfonate: [101904-54-5]. Cryst.

Hrdina, P. *et al*, *Eur. J. Pharmacol.*, 1967, **1**, 99 (*pharmacol*)
Japan. Pat., 72 34 365, (*1972*); *CA*, **78**, 43283x (*synth, pharmacol*)
Eur. Pat., 157 151, (*1985*); *CA*, **104**, 186305x (*synth*)

Miconazole, BAN, INN M-00363

1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)-methoxy]ethyl]-1H-imidazole, 9CI. 1-[2,4-Dichloro-β-[(2,4-dichlorobenzyl)oxy]phenethyl]imidazole, 8CI
[22916-47-8]



$C_{18}H_{14}Cl_4N_2O$ M 416.133
▷NI4770000.

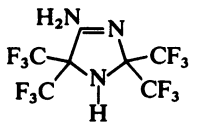
(±)-form
Antifungal agent. Mainly used as nitrate.

B,HNO₃: [22832-87-7]. *Daktarin. Miconazole nitrate, USAN, JAN. Dermonistat. Monistat. Numerous proprietary names.* Mp 170-185°.
▷NI4771000.

Godefroi, E.F. *et al*, *J. Med. Chem.*, 1969, **12**, 784 (*synth*)
Sawyer, P.R. *et al*, *Drugs*, 1975, **9**, 406 (*rev, pharmacol*)
Szabolcs, L., *Acta Pharm. Hung.*, 1976, **46**, 43 (*uv*)
Janssen, P.A. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1979, **2**, 333 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4653.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2591, 2592.

Midaflur, USAN, INN M-00364

2,5-Dihydro-2,2,5,5-tetrakis(trifluoromethyl)-1H-imidazol-4-amine, 9CI. 4-Amino-2,2,5,5-tetrakis(trifluoromethyl)-3-imidazoline, 8CI. EXP 338
[23757-42-8]

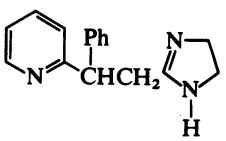


$C_7H_3F_{12}N_3$ M 357.102
Sedative. Mp 159.7-160.4°.
▷NJ1750000.

Middeton, W.J. *et al*, *J. Org. Chem.*, 1970, **35**, 1480 (*synth, ir, nmr, ms*)
Clark, R. *et al*, *Toxicol. Appl. Pharmacol.*, 1971, **18**, 917 (*pharmacol, tox*)
Guggenberger, L.J., *Acta Crystallogr., Sect. B*, 1973, **29**, 2110 (*cryst struct*)

Midaglizole, INN M-00365

2-[2-(4,5-Dihydro-1H-imidazol-2-yl)-1-phenylethyl]-pyridine, 9CI



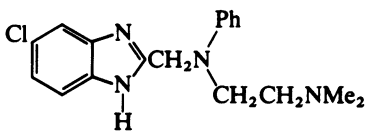
$C_{16}H_{17}N_3$ M 251.330
(±)-form [66529-17-7]
Oral hypoglycaemic agent. Cryst. (Me_2CO). Mp 119-120°.

B,2HCl: [79689-25-1]. *DG 5128.*

Ger. Pat., 2 728 589, (*1978*); *CA*, **89**, 676n (*synth, pharmacol*)
Ishikawa, F. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 1394 (*synth*)
Kameda, K. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 39 (*pharmacol*)
Nakaoka, M. *et al*, *Xenobiotica*, 1987, **17**, 1329 (*metab*)
Usami, M. *et al*, *Life Sci.*, 1988, **42**, 129 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3694.

Midamaline, INN M-00366

5-Chloro-2-[[N-[2-(dimethylamino)ethyl]anilino]-methyl]benzimidazole, 8CI. N-(5-Chloro-2-benzimidazolylmethyl)-N-phenyl-N′,N′-dimethylethylenediamine
[496-38-8]



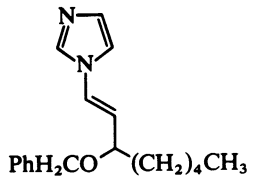
$C_{18}H_{21}ClN_4$ M 328.844
Local anaesthetic. Mp 174-175°.

B,HCl: [24360-03-0]. Cryst. Mp 162-163°.

U.S.P., 2 857 391, (*1958*); *CA*, **53**, 7200f (*synth*)

Midazogrel, INN **M-00367**

1-[3-(Phenylmethoxy)-1-octenyl]-1H-imidazole, 9CI. *CBS 645*



(*E*)-form

$C_{18}H_{24}N_2O$ M 284.400

(*E*)-form [80614-27-3]

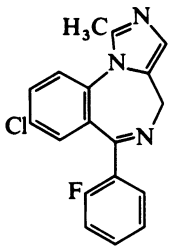
Thromboxane synthetase inhibitor. Potentially useful as an antithrombotic agent. Mp 66°.

Eur. Pat., 33 432, (*1981*); *CA*, **96**, 68695 (*synth, props*)
Sincholle, D. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 117 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2815.

Midazolam, BAN, INN **M-00368**

8-Chloro-6-(2-fluorophenyl)-1-methyl-4H-imidazo[1,5-a][1,4]benzodiazepine, 9CI

[59467-70-8]



$C_{18}H_{13}ClFN_3$ M 325.772

Anaesthetic, hypnotic. Mp 158-160°.

Maleate: [59467-94-6]. *Midazolam maleate,* USAN. *Dormicum. Dormonid. Versed.*

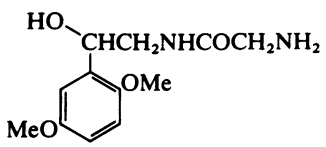
▷NI2922200.

B,HCl: [59467-96-8]. *Midazolam hydrochloride,* USAN. *Hypnovel.*

Fryer, R.I. *et al*, *J. Org. Chem.*, 1978, **43**, 936 (*synth, nmr, uv*)
Brown, C.R. *et al*, *Anesthesiology*, 1979, **50**, 467 (*pharmacol*)
Gerecke, M. *et al*, *Br. J. Clin. Pharmacol.*, 1983, **16**, 11 (*rev, struct*)
Dundee, J.W. *et al*, *Drugs*, 1986, **28**, 519 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12958.

Midodrine, INN **M-00369**

2-Amino-N-[2-(2,5-dimethoxyphenyl)-2-hydroxyethyl]acetamide, 9CI



$C_{12}H_{18}N_2O_4$ M 254.285

(±)-form [42794-76-3]

Antihypertensive, sympathomimetic agent, vasoconstrictor. Cryst. Mp 102-104°.

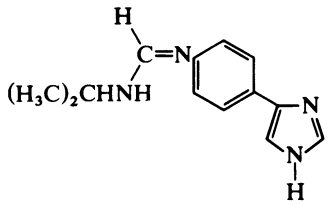
B,HCl: [3092-17-9]. *Midodrine hydrochloride,* USAN. *St Peter 224. St 1085. A-4020 Linz. Gutron. Hipertan. Midamine.* Cryst. Mp 202-204°.

Ehringer, H., *Int. Z. Klin. Pharmakol. Ther. Toxikol.*, 1971, **4**, 415 (*pharmacol*)
Ger. Pat., 2 506 110, (*1976*); *CA*, **85**, 159718s (*synth, pharmacol*)
Thulesius, O. *et al*, *Eur. J. Clin. Pharmacol.*, 1979, **16**, 423 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12959.

Mifentidine, INN **M-00370**

N-[*4-(1H-Imidazol-4-yl)phenyl*-N′-(*1-methylethyl*)-*methanimidamide,* 9CI. N-(p-*Imidazol-4-ylphenyl*)-N′-*isopropylformamidine. DA 4577*

[83184-43-4]



$C_{13}H_{16}N_4$ M 228.296

Antiulcer agent, histamine H_2-receptor antagonist.

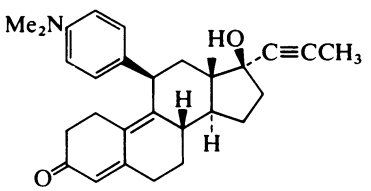
Fumarate: Mp 130-133°.

Eur. Pat., 53 407, (*1982*); *CA*, **97**, 162399s (*synth, pharmacol*)

Mifepristone, INN **M-00371**

11-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(1-propynyl)estra-4,9-dien-3-one, 9CI. *Mifegyne. RU 486. RU 38486*

[84371-65-3]



$C_{29}H_{35}NO_2$ M 429.601

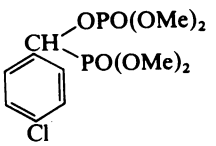
Antiprogesterone (peripheral corticosteroid blocker). Abortifacient.

Neef, G. *et al*, *Steroids*, 1984, **44**, 349 (*synth, pharmacol*)
Neef, G. *et al*, *Tetrahedron Lett.*, 1984, **25**, 3425 (*synth, pharmacol*)
Elger, W. *et al*, *J. Steroid Biochem.*, 1986, **25**, 835, 847 (*revs*)
Chen, H. *et al*, *CA*, 1987, **106**, 196669 (*synth*)
Kawai, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **241**, 401 (*pharmacol*)
Couzinet, B. *et al*, *Drugs*, 1988, **35**, 187 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19516.

Mifobate, INN **M-00372**

Dimethyl 4-(chlorophenyl)(dimethoxyphosphinyl)-methylphosphonate, 9CI. *Tetramethyl 1-hydroxy-1-(p-chlorophenyl)methylene 1,1-diphosphonate. Claniclor. Clenicor. Symphon-Actiphon. SR 202*

[76541-72-5]



$C_{11}H_{17}ClO_7P_2$ M 358.652

▷TB8817000.

(±)-*form*

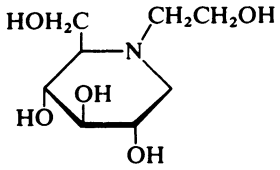
Antiatherosclerotic agent. Cryst. (Me_2CO). Mp 140-145°.

B.P., 2 043 073, (*1980*); *CA*, **94**, 84297d (*synth, pharmacol*)
Griffith, D.V. *et al*, *Phosphorus Sulfur*, 1985, **25**, 173 (*synth*)
Liniger, C. *et al*, *J. Endocrinol.*, 1987, **112**, 171 (*pharmacol*)

Miglitol, BAN, INN, USAN **M-00373**

1,5-Dideoxy-1,5-[(2-hydroxyethyl)imino]-D-glucitol, 9CI. 1-(2-Hydroxyethyl)-2-(hydroxymethyl)piperidine-3,4,5-triol. N-Hydroxyethyl-1-desoxynojirimycin. Bay m 1099

[72432-03-2]



$C_8H_{17}NO_5$ M 207.226

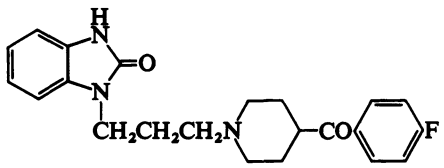
α- and β-Glucosidase inhibitor. Cryst. (EtOH). Mp 143-145.5°.

Japan. Pat., 81 83 409, (*1981*); *CA*, **95**, 163893u (*pharmacol*)
Eur. Pat., 55 431, (*1982*); *CA*, **98**, 34905n (*synth*)
Lembcke, B. *et al*, *Digestion*, 1985, **31**, 109 (*pharmacol*)
Cauderay, M. *et al*, *Metab. Clin. Exp.*, 1986, **35**, 472 (*pharmacol*)
Joubert, P.H. *et al*, *Eur. J. Clin. Pharmacol.*, 1987, **31**, 723 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18829.

Milenperone, BAN, USAN, INN **M-00374**

5-Chloro-1-[3-[4-(4-fluorobenzoyl)-1-piperidinyl]-propyl]-1,3-dihydro-2H-benzimidazol-2-one, 9CI. 5-Chloro-1-[3-[4-(p-fluorobenzoyl)piperidino]propyl]-2-benzimidazolinone

[59831-64-0]



$C_{22}H_{23}ClFN_3O_2$ M 415.894

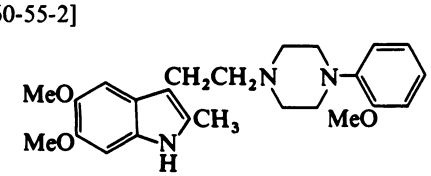
Neuroleptic drug. Cryst. (4-methyl-2-pentanone). Mp 163-167°.

Koch, M.H.J. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 2945 (*cryst struct*)
U.S.P., 4 035 369, (*1977*); *CA*, **87**, 102326z (*synth, pharmacol*)
Kennis, L.E.J. *et al*, *Drug Dev. Res.*, 1986, **8**, 133 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12961.

Milipertine, INN, USAN **M-00375**

5,6-Dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2-methyl-1H-indole, 9CI

[24360-55-2]



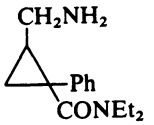
$C_{24}H_{31}N_3O_3$ M 409.527

Tranquilliser. Mp 217.4-220.8°.

Fr. Pat., 1 551 082, (*1968*); *CA*, **72**, 43733v (*synth, pharmacol*)
Caccia, S. *et al*, *Biochem. Pharmacol.*, 1985, **34**, 393 (*metab*)

Milnacipran, INN **M-00376**

2-(Aminomethyl)-N,N-diethyl-1-phenylcyclopropanecarboxamide, 9CI. Midalcipran. F2207



$C_{15}H_{22}N_2O$ M 246.352

(±)-*cis-form* [92623-85-3]

Antidepressant.

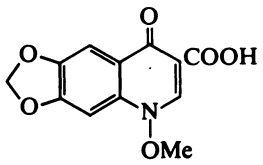
B,HCl: [101152-94-7]. Cryst. (EtOH/Et_2O). Mp 179-181°.

Bonnaud, B. *et al*, *J. Chromatogr.*, 1985, **318**, 398 (*resoln*)
Moret, C. *et al*, *Neuropharmacology*, 1985, **24**, 1211 (*pharmacol*)
Bonnaud, B. *et al*, *J. Med. Chem.*, 1987, **30**, 318 (*synth*)
Stenger, A. *et al*, *Psychopharmacology (Berlin)*, 1987, **91**, 147 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19513.

Miloxacin, INN **M-00377**

5,8-Dihydro-5-methoxy-8-oxo-1,3-dioxolo[4,5-g]-quinoline-7-carboxylic acid, 9CI. 1-Methoxy-6,7-methylenedioxy-4-oxo-1H-quinoline-3-carboxylic acid. Fludazin. Fuldazin. Pyricozin

[37065-29-5]



$C_{12}H_9NO_6$ M 263.206

Antibacterial agent. Prisms. Mp 264° dec.

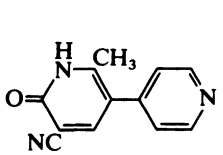
▷JI5060000.

Ger. Pat., 2 134 451, (*1972*); *CA*, **77**, 48439s (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12962.

Milrinone, USAN, INN, BAN **M-00378**

1,6-Dihydro-2-methyl-6-oxo[3,4'-bipyridine]-5-carbonitrile, 9CI. 1,2-Dihydro-6-methyl-2-oxo-5-(4-pyridinyl)-nicotinonitrile. 5-Cyano-2-methyl[3,4'-bipyridine]-6(1H)-one. Win 47,203-2

[78415-72-2]



$C_{12}H_9N_3O$ M 211.223

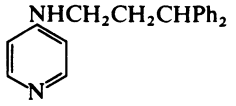
Cardiotonic agent. Positive inotropic agent used in treatment of congestive heart failure. Cryst. (DMF aq.). Mp 300°.

U.S.P., 4 264 612, (*1981*); *CA*, **95**, 62011z (*synth, pharmacol*)
Alousi, A.A. *et al*, *J. Cardiovasc. Pharmacol.*, 1983, **5**, 792 (*pharmacol*)
Edelson, J. *et al*, *J. Chromatogr.*, 1983, **276**, 456 (*hplc*)
Young, R.A. *et al*, *Drugs*, 1988, **36**, 158 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16896.

Milverine, INN **M-00379**

N-(*3,3-Diphenylpropyl*)-*4-pyridinamine*, *9CI*. *4*-[(*3,3-Diphenylpropyl*)*amino*]*pyridine*, *8CI*. N-(*4'-Pyridyl*)-*3,3-diphenylpropylamine*

[75437-14-8]



$C_{20}H_{20}N_2$ M 288.391

Spasmolytic agent. Cryst. (CH_2Cl_2/Et_2O). Mp 117-119°.

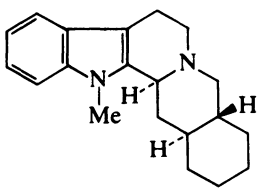
B,HCl: [29769-70-8]. *Fenprin. Fenpyramine hydrochloride. Miospasm.*

Carpenedo, F. *et al*, *Minerva Med.*, 1970, **61**, 2417 (*pharmacol*)
Ger. Pat., 3 002 909, (*1980*); *CA*, **93**, 239250p (*synth*)
Baldi, F. *et al*, *Curr. Ther. Res.*, 1984, **36**, 267 (*pharmacol*)
Fossati, A. *et al*, *Farmaco, Ed. Prat.*, 1986, **41**, 279 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12744.

Mimbane, INN **M-00380**

1,2,3,4,4aβ,5,7,8,13,13bα,14,14aα-Dodecahydro-13-methylbenz[g]*indolo*[*2,3*-a]*quinolizine*, *8CI*. *1-Methylyohimbane*

[3277-59-6]



$C_{20}H_{26}N_2$ M 294.439

Analgesic. Mp 178°. $[\alpha]_D^{25}$ −116° (c, 0.8 in Py).

B,HCl: [5560-73-6]. *Mimbane hydrochloride*, *USAN*. *W 2291A*. Mp 270-274°. $[\alpha]_D^{25}$ −65° (c, 0.2 in H_2O).

Fr. Pat., 1 405 326, (*1965*); *CA*, **63**, 13341f (*synth, pharmacol*)

Minaprine, INN **M-00381**

N-(*4-Methyl-6-phenyl-3-pyridazinyl*)-*4-morpholineethanamine*, *9CI*. *4*-[*2*-[(*4-Methyl-6-phenyl-3-pyridazinyl*)*amino*]*ethyl*]*morpholine*, *8CI*

[25905-77-5]



$C_{17}H_{22}N_4O$ M 298.387

Convulsant. Needles (2-propanol). Mp 122°.

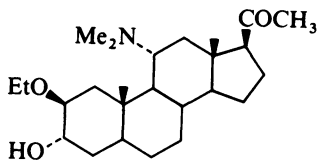
B,2HCl: [25953-17-7]. *Cantor. Isopulsan. Nortimic. Agr 620.* Cryst. (EtOH). Mp 182°.

Laborit, H. *et al*, *Agressologie*, 1969, **10**, 469; 1972, **13**, 291 (*pharmacol*)
Mazue, A.G. *et al*, *Agressologie*, 1972, **13**, 319 (*tox*)
Wermuth, C.G. *et al*, *Agressologie*, 1972, **13**, 285 (*synth*)
Worms, P. *et al*, *J. Pharmacol.*, 1986, **17**, 2, 126 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12963.

Minaxolone, BAN, INN, USAN **M-00382**

11α-(Dimethylamino)-2β-ethoxy-3α-hydroxy-5α-pregnan-20-one, *9CI*

[62571-87-3]



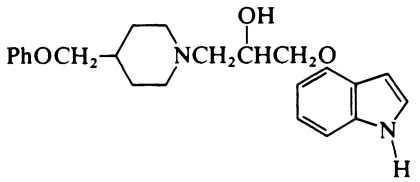
$C_{25}H_{43}NO_3$ M 405.620

Anaesthetic.

Ger. Pat., 2 715 078, (*1977*); *CA*, **88**, 38078m (*synth*)
Mather, L.E. *et al*, *Br. J. Anaesth.*, 1980, **52**, 241 (*pharmacol*)
Runciman, W.B. *et al*, *Br. J. Anaesth.*, 1984, **56**, 1117 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12964.

Mindodilol, INN **M-00383**

α-[(*1H-Indol-4-yloxy*)*methyl*]-*4*-(*phenoxymethyl*)-*1-piperidineethanol. BM 12434*



$C_{23}H_{28}N_2O_3$ M 380.486

(±)-***form*** [70260-53-6]

β-Adrenergic blocker, vasodilator.

Acetate: Cryst. (2-propanol). Mp 127-129°.

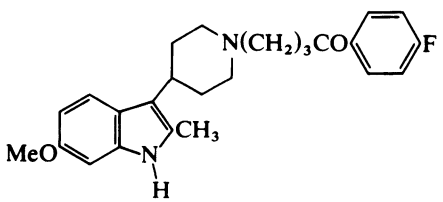
Benzoate: Cryst. (2-propanol). Mp 146-147°.

Ger. Pat., 2 737 630, (*1979*); *CA*, **91**, 5230p (*synth, pharmacol*)
Von Moellendorff, E. *et al*, *Clin. Sci., Suppl.*, 1981, **61**, 4775 (*pharmacol*)

Mindoperone, INN **M-00384**

1-(*4-Fluorophenyl*)-*4*-[*4*-(*6-methoxy-2-methyl-1H-indol-3-yl*)-*1-piperidinyl*]-*1-butanone*, *9CI*. *4'-Fluoro-4*-[*4*-(*6-methoxy-2-methylindol-3-yl*)*piperidino*]-*butyrophenone. RU 19404*

[52157-83-2]



$C_{25}H_{29}FN_2O_2$ M 408.515

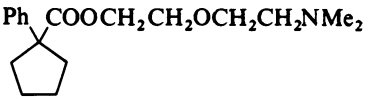
Neuroleptic. Cryst. (MeCN). Mp 162°.

Ger. Pat., 2 338 283, (*1974*); *CA*, **80**, 120790f (*synth, tox, pharmacol*)

Minepentate, BAN, INN **M-00385**

1-Phenylcyclopentanecarboxylic acid 2-[2-(dimethylamino)ethoxy]ethyl ester, 8CI. *2-[2-(Dimethylamino)ethoxy]ethyl 1-phenylcyclopentanecarboxylate*

[13877-99-1]



$C_{18}H_{27}NO_3$ M 305.416

Antiparkinsonian drug.

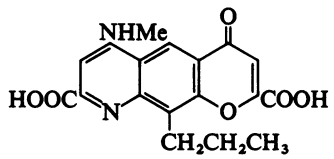
▷GY3900000.

Wellens, D., *Arzneim.-Forsch.*, 1967, **17**, 495 (*pharmacol*)

Minocromil, BAN, INN, USAN **M-00386**

6-(Methylamino)-4-oxo-10-propyl-4H-pyrano[3,2-g]-quinoline-2,8-dicarboxylic acid, 9CI. *FPL 59360*

[85118-44-1]



$C_{18}H_{16}N_2O_6$ M 356.334

Drug used for prophylaxis of allergic conditions.

Di-Na salt: [75452-62-9].

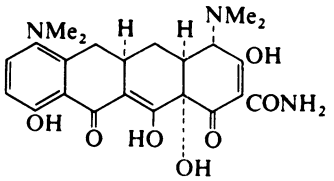
Di-Et ester: Cryst. (EtOH). Mp 235-237°.

Ger. Pat., 2 943 658, (*1980*); *CA*, **94**, 103331d (*synth*)
Cairns, H. *et al*, *J. Med. Chem.*, 1985, **28**, 1832 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18663.

Minocycline, BAN, USAN, INN **M-00387**

4,7-Bis(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxo-2-naphthacenecarboxamide, 9CI, 8CI. *6-Demethyl-6-deoxy-7-dimethylaminotetracycline. Other proprietary names*

[10118-90-8]



$C_{23}H_{27}N_3O_7$ M 457.482

Semisynthetic tetracycline antibiotic. Effective against tetracycline resistant *Staphylococci* in mice. Yellow-orange amorph. solid. $[\alpha]_D^{25}$ −166° (c, 0.524 in 0.1N HCl).

▷QI7630000.

B,HCl: [13614-98-7]. *Minocycline hydrochloride,* USAN, JAN. *Minocyn. Vectrin.* Yellow cryst.

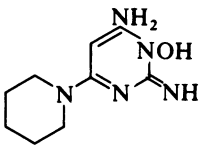
▷QI7630500.

Martell, M.J. *et al*, *J. Med. Chem.*, 1967, **10**, 44 (*synth, nmr*)
Church, R.F.C. *et al*, *J. Org. Chem.*, 1971, **36**, 723 (*synth*)
Bernadi, L. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 736; *CA*, **83**, 192913 (*synth*)
Green, R. *et al*, *Eur. J. Clin. Pharmacol.*, 1976, **10**, 245 (*pharmacol, deriv*)
Zbinovsky, V. *et al*, *Anal. Profiles Drug Subst.*, 1977, **6**, 323 (*rev*)
Mazzola, E.P. *et al*, *J. Pharm. Sci.*, 1980, **69**, 229 (*cmr*)
Jonas, M. *et al*, *Ther. Drug Monit.*, 1982, **4**, 137 (*pharmacol*)
Nelis, H. *et al*, *Drug Metab. Dispos.*, 1982, **10**, 142 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6867.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 109.

Minoxidil, BAN, USAN, INN **M-00388**

6-(1-Piperidinyl)-2,4-pyrimidinediamine 3-oxide, 9CI. *Loniten. Lonolox. Lonoten. Minona. Prexidil. Regaine*

[38304-91-5]



$C_9H_{15}N_5O$ M 209.250

Antihypertensive agent, hair-restorer. Mp 260° dec.

▷UV8200000.

McCall, J.M. *et al*, *J. Org. Chem.*, 1975, **40**, 3304 (*synth*)
O'Malley, K. *et al*, *Clin. Sci. Mol. Med.*, 1975, **48**, 185s (*pharmacol*)
Campese, V.M. *et al*, *Drugs*, 1981, **22**, 257 (*rev, pharmacol*)
Gorecki, D.K.J., *Anal. Profiles Drug Subst.*, 1988, **17**, 185 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 884.

Minpeimine **M-00389**

Struct. unknown

$C_{27}H_{43}NO_2$ M 413.642

Alkaloid from the Chinese drug Pei-mu (*Fritillaria* sp.) (Liliaceae). Mp 210-212°. Contains a carbonyl group.

Chu, T-T. *et al*, *CA*, 1959, **53**, 647.

Minpeiminine **M-00390**

Struct. unknown

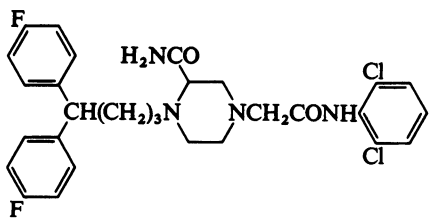
Alkaloid from the Chinese drug Pei-mu (*Fritillaria* sp.) (Liliaceae), occurring with Minpeimine, M-00389 . Mp 215-216°.

Chu, T.T. *et al*, *CA*, 1959, **53**, 647.

Mioflazine, BAN, INN **M-00391**

3-(Aminocarbonyl)-4-[4,4-bis(4-fluorophenyl)butyl]-N-(2,6-dichlorophenyl)-1-piperazineacetamide, 9CI

[79467-23-5]



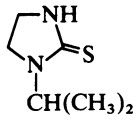
$C_{29}H_{30}Cl_2F_2N_4O_2$ M 575.484

Calcium antagonist, cardioprotector. Mp 159°.

B,2HCl: [79467-24-6]. *Mioflazine hydrochloride,* USAN. *R 51469.* Mp 182.7°.

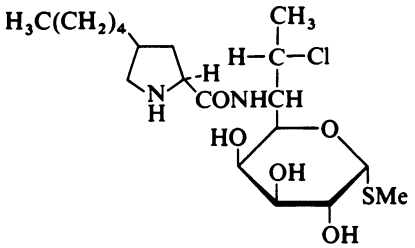
Eur. Pat., 68 544, (*1981*); *CA*, **99**, 22493 (*synth*)
Van Nueten, J.M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **265**, 172 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18664.

Mipimazole, INN **M-00392**
1-(1-Methylethyl)-2-imidazolidinethione, 9CI. *1-Isopropyl-2-imidazolidinethione. Centimizone. Emizone*
[20406-60-4]



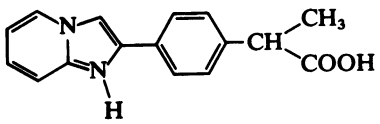
$C_6H_{12}N_2S$ M 144.234
Thyroid inhibitor. Mp 165°.
Karkan, J.N. *et al*, *Experientia*, 1962, **18**, 181 (*pharmacol*)
Faure, R. *et al Org. Magn. Reson.*, 1977, **9**, 688 (*cmr*)
Mille, G. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. B*, 1978, **286**, 105 (*ir*)
Assef, G. *et al*, *Bull. Soc. Chim. Fr.*, 1979, 165 (*synth*)

Mirincamycin, INN **M-00393**
*Methyl-7-chloro-6,7,8-trideoxy-6-[[(4-pentyl-2-pyrrolidinyl)carbonyl]amino]-1-thio-L-*threo-*α-D-*galacto-*octopyranoside,* 9CI. *7-Chloro-*N*-demethyl-7-deoxy-3'-deproyl-3'-pentyllincomycin*
[31101-25-4]



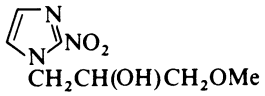
$C_{19}H_{35}ClN_2O_5S$ M 439.009
Synthetic. Antibacterial, antimalarial agent. Related to Lincomycin.
B,HCl: [8063-91-0]. *Mirincamycin hydrochloride, USAN. U 24729A. Antibiotic U 24729A.*
Matsen, J.M. *et al*, *J. Lab. Chim. Med.*, 1971, **77**, 378 (*pharmacol*)
Magerlein, B.J. *et al*, *J. Med. Chem.*, 1972, **15**, 1255 (*synth, props, resoln*)

Miroprofen, INN **M-00394**
*4-(Imidazo[1,2-*a*]pyridin-2-yl)-α-methylbenzeneacetic acid,* 9CI. p-*Imidazo[1,2-*a*]pyridin-2-ylhydratropic acid. Antopen. Y-9213*
[55843-86-2]



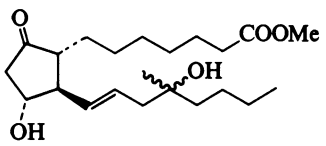
$C_{16}H_{14}N_2O_2$ M 266.299
▷UF4892000.
(±)-*form*
Analgesic, antipyretic agent. Cryst. (MeOH). Mp 244-246° dec.
B,HCl: Mp 210-211°.
Et ester: Cryst. (2-propanol). Mp 110-112°.
Ger. Pat., 2 432 410, (*1975*); *CA*, **83**, 43367f (*synth, deriv, pharmacol*)

Misonidazole, BAN, USAN, INN **M-00395**
*α-(Methoxymethyl)-2-nitro-1*H*-imidazole-1-ethanol,* 9CI, 8CI. *1-Methoxy-3-(2-nitro-1-imidazolyl)-2-propanol. Radelar. Riadelar. Riasen*
[13551-87-6]



$C_7H_{11}N_3O_4$ M 201.182
▷NI5572000.
(±)-*form* [95120-44-8]
Anticancer agent, antibiotic, antiprotozoal; radiosensitising agent. Mp 110-111°.
Grunberg, E. *et al*, *Antimicrob. Agents Chemother.*, 1967, 513 (*pharmacol*)
Beaman, A.G. *et al*, *Antimicrob. Agents Chemother.*, 1967, 520 (*synth*)
Foster, J.L. *et al*, *Br. J. Cancer*, 1975, **31**, 679 (*pharmacol*)
Plowman, P.N. *et al*, *Trends Pharmacol. Sci.*, 1981, **2**, VIII (*pharmacol*)
Williams, K.M. *et al*, *Clin. Pharmacol. Ther.* (*St. Louis*), 1984, **36**, 817 (*pharmacol*)
Jenkins, T.C. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1095 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12966.

Misoprostol, BAN, INN, USAN **M-00396**
Methyl 11,16-dihydroxy-16-methyl-9-oxoprost-13-en-oate, 9CI. *Methyl 7-[3-hydroxy-2-(4-hydroxy-4-methyl-1-octenyl)-5-oxocyclopentyl]heptanoate. Cytotec. SC-29333*
[59122-46-2]

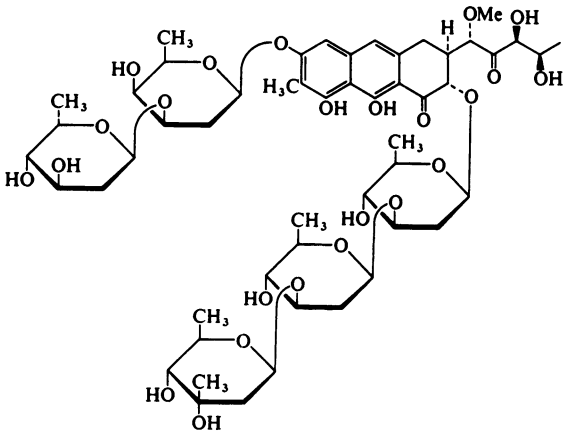


$C_{22}H_{38}O_5$ M 382.539
Drug used for treatment of gastric ulcers.
Collins, P.W. *et al*, *Tetrahedron Lett.*, 1975, 4217; *J. Med. Chem.*, 1977, **20**, 1152 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16898.

Mithramycin, 9CI, 8CI **M-00397**

Aureolic acid. Mithracin. ***Plicamycin,*** *BAN, INN, USAN. A 2371. LA 7017. NSC 24559. PA 144. Antibiotic A 2371. Antibiotic LA 7017. Antibotic PA 144*

[18378-89-7]



$C_{52}H_{76}O_{24}$ M 1085.158

Anthracycline antibiotic. Isol. from *Streptomyces argillaceus* and *S. tanashiensis*. Antineoplastic agent. Yellow cryst. (Me_2CO). Mp 180-183°. $[\alpha]_D^{20}$ −56.5° (c, 0.2 in MeOH). Of limited clinical use because of toxicity. Mithramycin *B* + *C* also isol. but not elucidated.

▷Toxic, LD 1.74 mg/kg. PZ2800000.

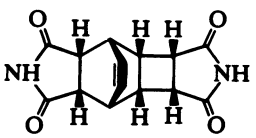
Per-Ac: Mp 220-222°. $[\alpha]_D$ −30°.

Grundy, W.E. *et al, Antibiot. Chemother.*, 1953, **3**, 1215 (*isol*)
Bakheva, G.P. *et al, Tetrahedron Lett.*, 1968, 3595 (*struct*)
Berlin, Y.A. *et al, Nature (London)*, 1968, **218**, 193 (*synth*)
Hungarian Pat., 155 679, (*1968*); *CA*, **70**, 118091 (*synth*)
U.S.P., 3 646 194, (*1972*); *CA*, **76**, 152038
Gause, G.F., *Antibiotics (N.Y.)*, 1975, **3**, 197 (*rev*)
Thiem, J. *et al, Angew. Chem., Int. Ed. Engl.*, 1983, **22**, 58 (*struct, stereochem, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1846.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1950.

Mitindomide, USAN, INN **M-00398**

Tricyclo[4.2.2.0^{2,5}]dec-9-ene-3,4,7,8-tetracarboxylic 3,4:7,8-diimide. 3a,3b,4,4a,7a,8,8a,8b-Octahydro-4,8-ethenopyrrolo[3′,4′:3,4]cyclobut[1,2-f]isoindole-1,3,5,7(2H,6H)-tetrone, 9CI. *NSC 284356*

[10403-51-7]



$C_{14}H_{12}N_2O_4$ M 272.260

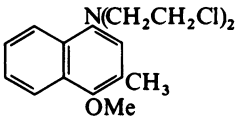
Antineoplastic agent. Mp 290-295°.

Bradshaw, J.S., *Tetrahedron Lett.*, 1966, 2039 (*synth, nmr*)
Fr. Pat., 1 590 119, (*1970*); *CA*, **74**, 141108f (*synth, pharmacol*)
Pettit, G.R. *et al, Can. J. Chem.*, 1983, **61**, 2291 (*cryst struct, pharmacol*)
Deutsch, H.M. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 1925 (*cryst struct, bibl*)
Deutsch, H.M. *et al, Heterocycles*, 1986, **24**, 413 (*pmr*)

Mitoclomine, BAN, INN **M-00399**

N,N-*Bis(2-chloroethyl)-4-methoxy-3-methyl-1-naphthalenamine,* 9CI. N,N-*Bis(2-chloroethyl)-4-methoxy-3-methyl-1-naphthylamine,* 8CI. *NSC 114575. WBA 7707*

[17692-54-5]



$C_{16}H_{19}Cl_2NO$ M 312.238

Antineoplastic, immunosuppressant. Mp 58-59°.

▷QM2700000.

Fr. Pat., 1 528 162, (*1968*); *CA*, **71**, 38656x (*synth, pharmacol*)
Vahlensieck, W. *et al, Arzneim.-Forsch.*, 1971, **21**, 1618 (*pharmacol*)
Godeneche, D. *et al, Cancer Chemother. Pharmacol.*, 1980, **5** 1 (*pharmacol*)

Mitocromin, USAN **M-00400**

NSC 77471

[11043-98-4]

Mix of two components. Related to Daunomycin. Prod. by *Streptomyces viridochromogenes*. Antineoplastic agent.

▷PZ3500000.

Liu, W.-C. *et al, J. Antibiot.*, 1969, **22**, 608 (*isol, props*)

Mitogillin, INN, USAN **M-00401**

NSC 69529

[1403-99-2]

For complete struct., see reference

Protein. Prod. by *Aspergillus restrictus*. Antineoplastic agent.

Fernandez-Luna, J.L. *et al, Biochemistry*, 1985, **24**, 861 (*struct, bibl*)

Mitoguazone, INN **M-00402**

2,2′-(1-Methyl-1,2-ethanediylidene)-bis[hydrazinecarboximidamide, 9CI. *1,1′-[(Methylethanediylidene)dinitrilo]diguanidine,* 8CI. *Methylglyoxal bisguanylhydrazone. Methyl GAG. MGBG*

[459-86-9]

$HN{=}C(NH_2)NHN{=}C(CH_3)\text{-}CH{=}NNHC(NH_2){=}NH$

$C_5H_{12}N_8$ M 184.203

Antineoplastic agent. Cryst. + $\frac{1}{2}H_2O$ (2-propanol). Dec. at 225°.

▷MF3860000.

B,2HCl: [31959-87-2]. *NSC 32946*. Cryst. + $2H_2O$ (Me_2CO). Mp 256-257° dec.

▷MF3855000.

Baiocchi, F. *et al, J. Med. Chem.*, 1963, **6**, 431 (*synth, pharmacol*)
Oliverio, V.T. *et al, J. Pharmacol. Exp. Ther.*, 1963, **141**, 149 (*metab*)
Kensler, C.J. *et al, Cancer Res.*, 1965, **25**, 1622 (*tox*)
Hamilton, W.C. *et al, Acta Crystallogr., Sect. B*, 1968, **24**, 1147 (*cryst struct*)
Cain, B.F. *et al, J. Med. Chem.*, 1969, **12**, 199 (*pharmacol*)
Stewart, D.J. *et al, Cancer Chemother. Pharmacol.*, 1981, **7**, 31 (*metab*)
Dunzendorfer, U. *et al, Arzneim.-Forsch.*, 1986, **36**, 506 (*pharmacol*)

Williams-Ashman, H.G. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 1217 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1848.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1855.

Mitomalcin, INN, USAN **M-00403**

NSC 113233

[11043-99-5]

Protein. Prod. by *Streptomyces malayensis*. Antineoplastic agent.

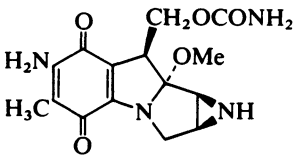
▷PZ3675000.

McBride, T.J. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1969, **130**, 1188 (*isol, props*)
Morrison, R.K. *et al*, *Cancer Chemother. Rep., Part 1*, 1970, **54**, 217 (*tox*)

Mitomycin *C* **M-00404**

Mitomycin, INN. *Mitomycin* S. *Mitiromycin* E. *Ametycine*. *Mitocin* C. *Mutamycin*. *NSC 26980*

[50-07-7]



$C_{15}H_{18}N_4O_5$ M 334.331

Benzoquinone antibiotic. Isol. from *Streptomyces verticillatus*. Clinically important antitumour agent. Deep blue-violet cryst. Sol. H_2O, MeOH, Me_2CO. Mp >360°. λ_{max} 216, 360 and 560 nm. Mitomycin *S* was shown to be a mixt. of Mitomycin *C* with NaCl.

▷CN0700000.

Isomer: [87139-12-6].
$C_{15}H_{18}N_4O_5$ M 334.331
Prod. by *S. caespitosus* and *Micromonospora* sp. Active against gram-positive and -negative bacteria. Cryst. Mp 120° (grad. dec.). $[\alpha]_D^{26}$ +34.7° (c, 0.3 in $CHCl_3$).

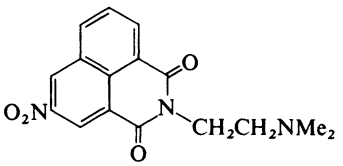
N-*Me: see Porfiromycin, P-00388*

Webb, J.S. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3185, 3187 (*struct, ir, uv, ms, pmr*)
Uzu, K. *et al*, *Agric. Biol. Chem.*, 1964, **28**, 394 (*isol, struct*)
v. Lear, G.E., *Tetrahedron*, 1970, **26**, 2587 (*struct, ms*)
Lown, J.W. *et al*, *Can. J. Chem.*, 1974, **52**, 2331 (*ir, uv, ms, pmr, cmr, struct*)
Hornemann, U. *et al*, *J. Antibiot.*, 1975, **28**, 841 (*biosynth*)
Fukuyama, T. *et al*, *Tetrahedron Lett.*, 1977, 4295 (*synth*)
Crooke, S.T., *Cancer Chemother.*, 1981, **3**, 49 (*rev, pharmacol*)
Iyengar, B.S. *et al*, *J. Med. Chem.*, 1981, **24**, 975 (*analogs, bibl*)
Shirahata, K. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 7199 (*abs config*)
Japan. Pat., 85 89 189, (*1985*); *CA*, **99**, 138160 (*isol, isomer*)
Danishefsky, S.J. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 4648 (*props*)
Beijnen, J.H. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 361 (*rev, pharmacol, synth, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1850.

Mitonafide, INN **M-00405**

2-[2-(Dimethylamino)ethyl]-5-nitro-1H-benz[de]*isoquinoline-1,3(2H)-dione*, *9CI*. N-[*2-(Dimethylamino)ethyl*]*-3-nitronaphthalimide*. *Agrexen*. *M4 212*

[54824-17-8]



$C_{16}H_{15}N_3O_4$ M 313.312

Antineoplastic, antimitotic agent.

▷DE4093000.

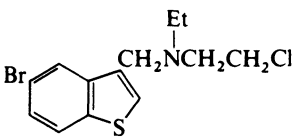
B,HCl: [96807-43-1]. Cryst. (MeOH/Et_2O). Mp 309-311°.

Brana, M.F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 207 (*synth, activity*)
Paull, K.D. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1243 (*pharmacol*)
Zee-Cheng, R.K. *et al*, *J. Med. Chem.*, 1985, **28**, 1216 (*synth*)

Mitotenamine, BAN, INN **M-00406**

5-Bromo-N-(2-chloroethyl)-N-ethylbenzo[b]*thiophene-3-methylamine*, *8CI*. *5-Bromo-3-*[N-(*2-chloroethyl*)*-ethylaminomethyl*]*benzo*[b]*thiophene*

[7696-00-6]



$C_{13}H_{15}BrClNS$ M 332.685

Antineoplastic agent.

B,HCl: [7349-46-4]. Mp 167.5-169.5°.

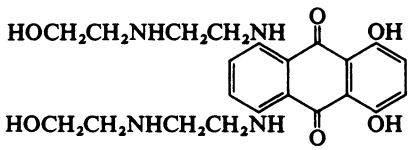
▷DL9695000.

Chapman, N.B. *et al*, *J. Med. Chem.*, 1966, **9**, 819 (*synth, pharmacol*)

Mitozantrone, BAN **M-00407**

1,4-Dihydroxy-5,8-bis[[2-[(*2-hydroxyethyl*)*amino*]*-ethyl*]*amino*]*-9,10-anthracenedione*, *9CI*. ***Mitoxantrone, INN, USAN***

[65271-80-9]



$C_{22}H_{28}N_4O_6$ M 444.486

Antineoplastic agent. Mp 160-162°. Shows some gastrointestinal toxicity and cardiotoxicity.

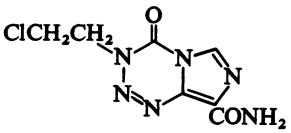
B,2HCl: [70476-82-3]. *Mitoxantrone hydrochloride, USAN*. *Novantron*. *CL 232315*. *NSC 301739*. Mp 203-205°.

▷CB0386900.

Zee-Cheng, R.K.Y. *et al*, *J. Med. Chem.*, 1978, **21**, 291 (*synth, uv, pharmacol*)
Zee-Cheng, R.K.Y. *et al*, *J. Med. Chem.*, 1979, **22**, 501 (*pharmacol*)
Murdock, K.C. *et al*, *J. Med. Chem.*, 1979, **22**, 1024 (*synth, pharmacol*)
Taylor, R.F. *et al*, *J. Chromatogr.*, 1980, **187**, 212 (*hplc*)
Henderson, B.M. *et al*, *Cancer Treat. Rep.*, 1982, **66**, 1139 (*tox*)
Beijnen, J.H. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 221 (*rev*)

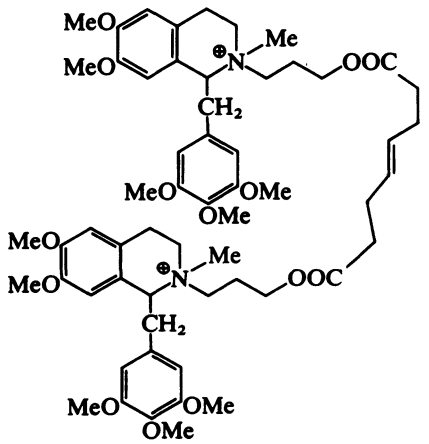
Koeller, J. *et al*, *Clin. Pharm.*, 1988, **7**, 574 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12967.

Mitozolomide, BAN, INN **M-00408**
3-(2-Chloroethyl)-3,4-dihydro-4-oxoimidazo[5,1-d]-1,2,3,5-tetrazine-8-carboxamide, 9CI. Azolastone. CCRG 81010. 46241 RP. NSC 353451. M & B 39565
[85622-95-3]



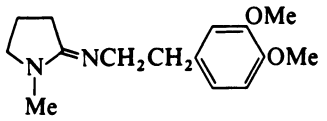
$C_7H_7ClN_6O_2$ M 242.624
Antineoplastic agent. Cream microprisms (Me_2CO). Mp 164-165° (efferv.).
▷NJ5927000.
Stevens, M.F.G. *et al*, *J. Med. Chem.*, 1984, **27**, 196 (*synth, pharmacol*)
Hickman, J.A. *et al*, *Cancer. Res.*, 1985, **45**, 3008 (*props*)
Lowe, P.R. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1985, 357 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16899.

Mivacurium(2+) **M-00409**
2,2'-[(1,8-Dioxo-4-octene-1,8-diyl)bis(oxy-3,1-propanediyl)]bis[1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-[(3,4,5-trimethoxyphenyl)methyl]-isoquinolinium, 9CI
[106791-40-6]



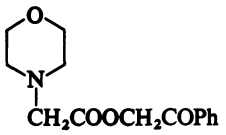
$C_{58}H_{80}N_2O_{14}^{\oplus\oplus}$ M 1029.275 (ion)
Skeletal muscle relaxant.
Dichloride: [106861-44-3]. *Mivacurium chloride, BAN, INN. BW B1090U.*
$C_{58}H_{80}Cl_2N_2O_{14}$ M 1100.181
$[\alpha]_D^{20}$ −62.7° (c, 0.02 in H_2O). Commercial prod. is a mixt. of isomers.
East Ger. Pat., 235 638, (*1986*); *CA*, **106**, 169056r (*synth, isomers*)
Eur. Pat., 181 055, (*1986*); *CA*, **105**, 172809 (*synth, isomers*)
Savarese, J.J. *et al*, *Semin. Anesth.*, 1986, **5**, 304 (*rev*)

Mixidine, INN, USAN **M-00410**
3,4-Dimethoxy-N-(1-methyl-2-pyrrolidinylidene)-benzeneethanamine, 9CI. 2-[(3,4-Dimethoxyphenethyl)-imino]-1-methylpyrrolidine, 8CI
[27737-38-8]



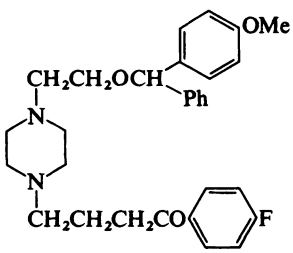
$C_{15}H_{22}N_2O_2$ M 262.351
Coronary vasodilator. Mp 128-130.5°.
Fr. Pat., 1 576 111, (*1969*); *CA*, **72**, 132511p (*synth*)
Walking, W.D. *et al*, *J. Pharm. Sci.*, 1978, **67**, 945 (*pharmacol*)

Mobecarb, INN **M-00411**
Phenacyl 4-morpholineacetate, 8CI
[15518-84-0]



$C_{14}H_{17}NO_4$ M 263.293
Antihaemorrhagic agent, capillary protectant. Cryst. (EtOH). Mp 167-168°.
Logemann, W. *et al*, *Farmaco, Ed. Sci.*, 1963, **18**, 237, 245 (*synth, pharmacol*)
Biekert, E. *et al*, *Chem. Ber.*, 1964, **97**, 363 (*synth*)
Logemann, W. *et al*, *Z. Physiol. Chem.*, 1964, **337**, 48 (*metab*)

Mobenzoxamine, INN **M-00412**
1-(4-Fluorophenyl)-4-[4-[2-[(4-methoxyphenyl)-phenylmethoxy]ethyl]-1-piperazinyl]-1-butanone, 9CI. 4'-Fluoro-4-[4-[2-[(p-methoxy-α-phenylbenzyl)oxy]-ethyl]piperazinyl]butyrophenone. Ileoptine
[65329-79-5]

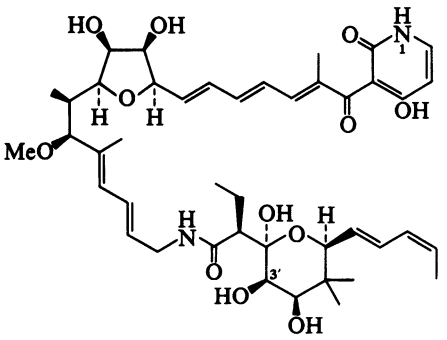


$C_{30}H_{35}FN_2O_3$ M 490.617
(±)-form
Antiasthmatic, antispasmodic agent.
Ger. Pat., 2 717 415, (*1976*); *CA*, **88**, 62415q (*synth, pharmacol*)

Mocimycin, 9CI, INN M-00413

Kirromycin. Delvomycin. MYC 8003. Antibiotic MYC 8003

[50935-71-2]



$C_{43}H_{60}N_2O_{12}$ M 796.953

Isol. from *Streptomyces ramocissimus*. Shows antibiotic props. Animal growth promoter. Yellow powder. $[\alpha]_D^{22}$ −60° (c, 1 in MeOH).

▷QA2805000.

1-Me: [12704-90-4]. *1-Methylmocimycin, 9CI.* ***Goldinodox***. *Goldinomycin. Aurodox. X 5108. Antibiotic X 5108.*

$C_{44}H_{62}N_2O_{12}$ M 810.980

Isol. from *S. goldiniensis*. Shows antibiotic props. Poultry growth promoter. Yellow amorph. solid. $[\alpha]_D$ −82.8° (c, 0.52 in EtOH). pK_a 6.1.

▷QA2809000.

3'-Deoxy, 1-Me: [66170-37-4]. ***Heneicomycin***. *30-Deoxy-1-methylmocimycin, 9CI. Antibiotic A21A.*

$C_{44}H_{62}N_2O_{11}$ M 794.981

Isol. from *S. filipinensis*. Active against a narrow range of gram-positive bacteria.

5,6-Dihydro: [61994-74-9]. ***5,6-Dihydromocimyin*** C.

$C_{43}H_{62}N_2O_{12}$ M 798.969

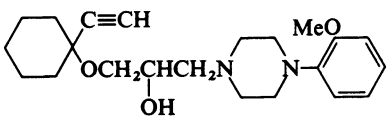
From *S. ramocissimus*. Antibacterial agent. Mp 123° dec. $[\alpha]_D^{20}$ −85° (MeOH aq.).

Maehr, H. *et al, J. Am. Chem. Soc.*, 1973, **95**, 8449 (*struct, uv, ir, ms, pmr*)
Vos, C. *et al, Tetrahedron Lett.*, 1973, 2823, 5173 (*struct, ir, uv, nmr, ms*)
Maehr, H. *et al, J. Am. Chem. Soc.*, 1974, **96**, 4034 (*cryst struct, abs config*)
Ger. Pat., 2 621 615, (*1976*); *CA*, **86**, 119248 (*deriv*)
Frost, B.M. *et al, J. Antibiot.*, 1979, **32**, 626 (*Heneicomycin*)
Maehr, H. *et al, Can. J. Chem.*, 1980, **58**, 501 (*bibl, derivs*)
Wolf, H. *et al, Antibiotics (N.Y.)*, 1983, **6**, 71 (*rev*)
Dolle, R.E. *et al, J. Am. Chem. Soc.*, 1985, **107**, 1695 (*Goldinodox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12970.

Mociprazine, INN M-00414

α-[[(1-Ethynylcyclohexyl)oxy]methyl]-4-(2-methoxyphenyl)piperazineethanol, 9CI

[56693-13-1]



$C_{22}H_{32}N_2O_3$ M 372.506

(±)-form

Antiemetic, antihypertensive agent.

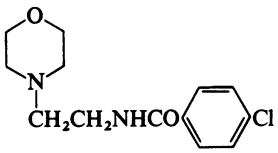
B,HCl: Mp 191°.

Fr. Pat., 2 224 137, (*1974*); *CA*, **83**, 114478f (*synth, pharmacol*)
Mairesse, G. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 2128 (*cryst struct*)

Moclobemide, INN M-00415

4-Chloro-N-[2-(4-morpholinyl)ethyl]benzamide, 9CI. p-*Chloro-N-(2-morpholinoethyl)benzamide. Ro 11-1163*

[71320-77-9]



$C_{13}H_{17}ClN_2O_2$ M 268.743

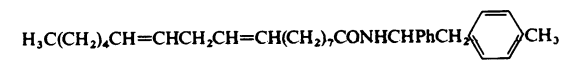
Antidepressant (monoamine oxidase inhibitor). Cryst. (2-propanol). Mp 137°.

U.S.P., 4 210 754, (*1980*); *CA*, **94**, 65702 (*synth*)
Da Prada, M. *et al, Int. Congr. Ser.-Excerpta Med.*, 1982, **564**, 183 (*pharmacol*)
Raaflaub, J. *et al, Arzneim.-Forsch.*, 1984, **34**, 80.
Durant, F. *et al, Bull. Soc. Chim. Belg.*, 1986, **95**, 103 (*cryst struct*)
Geschke, R. *et al, J. Chromatogr.*, 1987, **420**, 111 (*hplc*)
Schoerlin, M.P. *et al, Clin. Pharmacol. Ther.*, 1987, **42**, 395 (*pharmacol*)
Schmid-Burgk, W. *et al, Curr. Ther. Res.*, 1988, **43**, 903 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19529.

Moctamide, INN M-00416

N-[2-(4-Methylphenyl)-1-phenyethyl-9,12-octadecadienamide, 9CI. N-(p-*Methyl-α-phenylphenethyl)-linoleamide, 8CI. AC 485. AHR 3108*

[29619-86-1]



$C_{33}H_{47}NO$ M 473.740

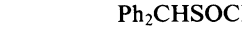
Hypocholesterolaemic agent.

Ger. Pat., 1 903 920, (*1970*); *CA*, **74**, 64088v (*synth, pharmacol*)
Nakatani, H. *et al, Atherosclerosis*, 1970, **12**, 307 (*pharmacol*)
Tekeuchi, N. *et al, Clin. Pharmacol. Ther.*, 1974, **16**, 368 (*pharmacol*)

Modafinil, INN M-00417

2-[(Diphenylmethyl)sulfinyl]acetamide, 9CI. Benzhydrylsulfinylacetamide. CRL 40476

[68693-11-8]

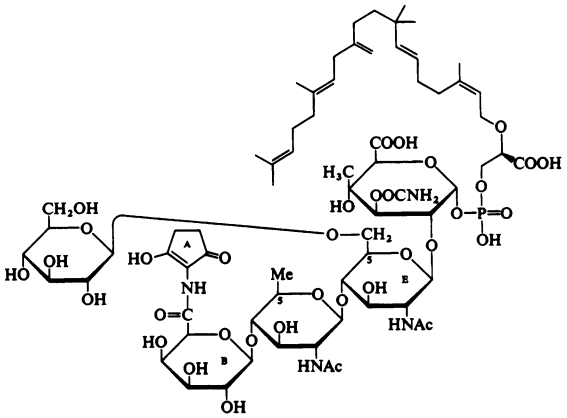


$C_{15}H_{15}NO_2S$ M 273.349

CNS depressant. Cryst. (MeOH). Mp 164-166°.

Ger. Pat., 2 809 625, (*1978*); *CA*, **90**, 22644y (*synth, pharmacol*)
U.S.P., 4 177 290, (*1979*); *CA*, **93**, 7872q (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2963.

Moenomycin M-00418



Phosphoglycolipid antibiotic complex. Strain also produces Moenomycins B_1 and B_2, later sepd. into Moenomycins *D-H*. Prod. by *Streptomyces bambergensis*. Mixt. of Moenomycins *A* and *C* comly. available as Bambermycin, BAN, USAN, INN.

Moenomycin A [76095-39-1]
$C_{69}H_{107}N_4O_{35}P$ M 1583.584

Chief constit. of Flavomycin, used in animal nutrition. Active against gram-positive bacteria. Mp 184-185°.
Na salt: $[\alpha]_D^{23}$ +4.0° (c, 1 in H_2O).

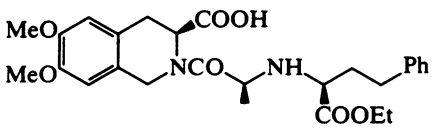
Moenomycin C
$C_{75}H_{135}N_7O_{42}P$ M 1837.887

From *S.* sp. Active against gram-positive and weakly against gram-negative bacteria. Mp 178-179°. $[\alpha]_D^{23}$ +4.0° (c, 1 in H_2O).

Huber, G., *Antibiotics*, 1979, Hahn, E.E. Ed., Springer, Berlin, **5.1**, 135 (*rev*)
Welzel, P. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1981, **20**, 121 (*isol, pmr, struct*)
Welzel, P. *et al*, *Tetrahedron*, 1983, **39**, 1583, 2219 (*isol, uv, cmr*)

Moexipril, INN M-00419

2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isoquinolinecarboxylic acid, 9CI. RS 10085
[103775-10-6]

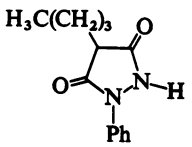


$C_{27}H_{34}N_2O_7$ M 498.575
Angiotensin-converting enzyme inhibitor.
B,HCl: [82586-52-5]. Cryst. (EtOH/Et_2O). Mp 141-161°. $[\alpha]_D^{23}$ +34.2° (c, 1.1 in EtOH).

Klutchko, S. *et al*, *J. Med. Chem.*, 1986, **29**, 1953 (*synth, pharmacol*)
Gu, L. *et al*, *Pharm. Res.*, 1987, **4**, 392 (*props*)

Mofebutazone, INN M-00420

4-Butyl-1-phenyl-3,5-pyrazolidinedione, 9CI, 8CI. Arcomonol. Mobutazon. Monazan. Monobutyl. Reumatox. Numerous proprietary names
[2210-63-1]



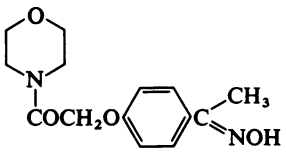
$C_{13}H_{16}N_2O_2$ M 232.282
Mp 102-103° (150.5°).
▷UQ8420000.

(±)-form
Antiinflammatory agent. Cryst. (EtOH aq.).

Büchi, J. *et al*, *Helv. Chim. Acta*, 1953, **36**, 75 (*synth*)
Schoetensack, W., *Arch. Exp. Pathol. Pharmakol.*, 1958, **233**, 365 (*tox*)
Roquebert, J. *et al*, *Bull. Soc. Pharm. Bordeaux*, 1966, **105**, 145 (*pharmacol*)
Salzmann, U., *Pharm. Acta Helv.*, 1971, **46**, 721 (*tlc*)
Kaempe, B., *Arch. Pharm. Chem.*, 1974, **81**, 1183 (*glc*)
Loew, D. *et al*, *Z. Rheumatol.*, 1985, **44**, 186; 1986, **45**, 83 (*pharmacol, tox*)
Delbeke, F.T. *et al*, *J. Chromatogr.*, 1986, **369**, 440 (*hplc*)
Paradies, H.H. *et al*, *Dtsch. Apoth. Ztg.*, 1986, **126**, 477 (*rev*)
Paradies, H.H. *et al*, *Acta Pharm. Technol.*, 1987, **33**, 180.
Paradies, H.H. *et al*, *J. Pharm. Sci.*, 1987, **76**, 920 (*struct, tautom*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2788.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2670.

Mofoxime, INN M-00421

4-[[4-[1-(Hydroxyimino)ethyl]phenoxy]acetyl]-morpholine, 9CI. 4-[(p-Acetylphenoxy)acetyl]-p-morpholine, oxime, 8CI
[29936-79-6]

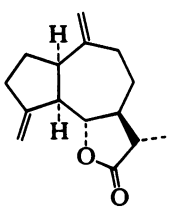


$C_{14}H_{18}N_2O_4$ M 278.307
Antitussive. Mp 145°.
▷AM9486800.

Ger. Pat., 2 003 430, (*1970*); *CA*, **74**, 3409d (*synth, pharmacol*)
De Cointet, P. *et al*, *Chim. Ther.*, 1973, **8**, 574 (*synth, pharmacol*)

Mokkolactone M-00422

Dehydrodihydrocostus lactone
[4955-03-7]



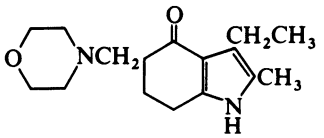
$C_{15}H_{20}O_2$ M 232.322
Constit. of the Chinese crude drug Sen-mokko and *Saussurea lappa*. Cryst. Mp 35-37°. $[\alpha]_D$ +18.2° ($CHCl_3$).

Hikino, H. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 632 (*isol*)
Bankar, N.S. *et al*, *Indian J. Chem.*, 1972, **10**, 952 (*isol*)

Molindone, BAN **M-00423**

3-Ethyl-1,5,6,7-tetrahydro-2-methyl-5-(4-morpholinylmethyl)-4H-indol-4-one, 9CI. 3-Ethyl-6,7-dihydro-2-methyl-5-(morpholinomethyl)indol-4(5H)-one, 8CI

[7416-34-4]



$C_{16}H_{24}N_2O_2$ M 276.378

▷NM3300000.

(−)-*form* [65973-38-8]

More active than the racemate.

(±)-*form* [65973-37-7]

Sedative, tranquilliser, antipsychotic. Mp 180-181°.

B,HCl: [15622-65-8]. *Molindone hydrochloride, USAN. Lidone. Moban. EN1773-A.*

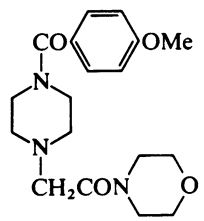
▷NM3325000.

Belg. Pat., 670 798, (*1966*); *CA*, **65**, 7148f (*synth*)
Rubin, A.A. *et al*, *Nature* (*London*), 1967, **216**, 578 (*pharmacol*)
U.S.P., 4 065 453, (*1977*); *CA*, **88**, 121198w (*resoln*)
Olson, G.L. *et al*, *J. Med. Chem.*, 1981, **24**, 1026 (*cryst struct*)
Wolf, M.E. *et al*, *Res. Commun. Psychol. Psychiatry Behav.*, 1986, **11**, 23 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7072.

Molracetam, INN **M-00424**

4-[[4-(4-Methoxybenzoyl)-1-piperazinyl]acetyl]-morpholine, 9CI

[94746-78-8]



$C_{18}H_{25}N_3O_4$ M 347.413

Nootropic (cognition enhancer).

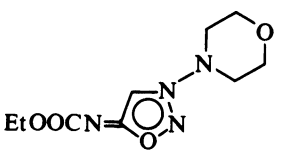
B,HCl: [94747-57-6]. Mp 176-178°.

Eur. Pat., 123 977, (*1984*); *CA*, **102**, 95674 (*synth, pharmacol*)

Molsidomine, BAN, INN, USAN, JAN **M-00425**

N-(Ethoxycarbonyl)-3-(4-morpholinyl)sydnone imine, 9CI. N-Carboxy-3-morpholinosydnone imine ethyl ester, 8CI. Belapo. Corvasal. Corvaton. Molsidain. Molsidolat. Molsiton. Morsydomine. Morial. Morsydomine. Motazomin. Sydnopharm

[25717-80-0]



$C_9H_{14}N_4O_4$ M 242.234

Antianginal, antihypertensive drug. Cryst. (toluene). Mp 140-141°.

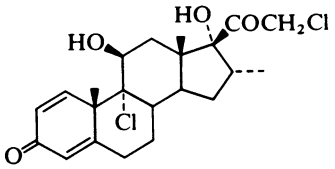
▷WU7677400.

Kikuchi, K. *et al*, *Jpn. J. Pharmacol.*, 1970, **20**, 102 (*pharmcol*)
Masuda, K. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 72 (*synth*)
Scholtholt, J., *Handb. Exp. Pharmacol.*, 1985, **76**, 365 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12971.

Mometasone, BAN, INN **M-00426**

9,21-Dichloro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione

[105102-22-5]



$C_{22}H_{28}Cl_2O_4$ M 427.367

Corticosteroid.

17-(2-Furanylcarbonyl)oxy: [83919-23-7]. *Mometasone furoate, USAN. Sch 32088.*

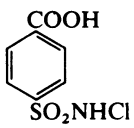
$C_{27}H_{30}Cl_2O_6$ M 521.436

Topical glucocorticoid. Antiinflammatory, antiallergic agent. Cryst. (MeOH aq.). Mp 218-220°. $[\alpha]_D^{26}$ +58.3° (dioxan).

Popper, T.L. *et al*, *J. Steroid Biochem.*, 1987, **27**, 837 (*pharmacol*)
Shapiro, E.L. *et al*, *J. Med. Chem.*, 1987, **30**, 1581 (*synth, pharmacol, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2964.

Monalazone **M-00427**

4-[(Chloroamino)sulfonyl]benzoic acid, 9CI. p-*(Chlorosulfamoyl)benzoic acid*



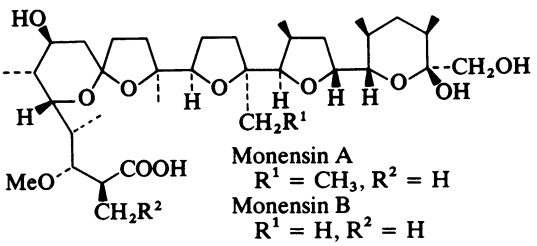
$C_7H_6ClNO_4S$ M 235.642

Vaginal disinfectant.

Di-Na salt: [61477-95-0]. *Monalazone disodium, INN. Naclobenz-Natrium. Spergisin. Speton.*

Zilberg, G., *Org. Chem. Ind.*, 1937, **3**, 26 (*synth*)
Frank, H. *et al*, *Sci. Pharm.*, 1979, **47**, 135.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12972.

Monensin, 9CI, BAN, INN, USAN **M-00428**



Monensin A
$R^1 = CH_3, R^2 = H$
Monensin B
$R^1 = H, R^2 = H$
Monensin C
$R^1 = R^2 = CH_3$

Polyether antibiotic complex. Metab. of *Streptomyces cinnamonensis*. Broad-spectrum anticoccicidal antibiotic, antifungal.

▷JH2829500.

Monensin A [17090-79-8]
*Monensic acid. Coban. Elancoban. Mintrate. Monelan. Romensin. Rumensin. A 3223*A. *Lilly 67314. Antibiotic A 3223*A
$C_{36}H_{62}O_{11}$ M 670.879
Mp 103-105°. $[\alpha]_D$ +47.7°. pK_a 6.65 (66% DMF aq.).
▷JH2829500.
Na salt: [22373-78-0]. Mp 267-269°. $[\alpha]_D^{25}$ +57.3° (c, 1 in MeOH).
▷JH2830000.
Me ester, di-Ac: Cryst. Mp 113-114°.
3-O-De-Me: [92096-16-7]. ***3-O-Demethylmonensin, 9CI.***
$C_{35}H_{60}O_{11}$ M 656.852
From *S. cinnamonensis.*
3-O-De-Me, Na salt: [67410-34-8]. Cryst. (Et_2O). Mp 236-239°. $[\alpha]_D^{20}$ +73.6° (c, 0.0037 in MeOH).

Monensin B [30485-16-6]
16-Deethyl-16-methylmonensin A. *A 3823*B. *Antibiotic A 3823*B
$C_{35}H_{60}O_{11}$ M 656.852
Prod. by *S. cinnamonensis.* Shows similar activity to Monensin *A.* Minor component of Monensin complex.
Na salt: Mp 227-228°.
3-O-De-Me: [109345-56-4]. ***3-O-Demethylmonensin*** **B**.
$C_{34}H_{58}O_{11}$ M 642.826
From *S. cinnamonensis.*
3-O-De-Me, Na salt: Cryst. (Et_2O). Mp 224-227°. $[\alpha]_D^{20}$ +88.0° (c, 0.0038 in MeOH).

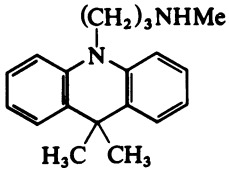
Monensin C [31980-87-7]
*5-(5-Carboxy-2-methoxy-1-methylpentyl)-5-de(3-carboxy-2-methoxy-1-methylbutyl)monensin. A 3823*C. *Antibiotic A 3823*C
$C_{37}H_{64}O_{11}$ M 684.906
Prod. by *S. cinnamonensis.* Shows similar activity to Monensin. Minor component of Monensin complex.
Na salt: Mp 212-214°.

Monensin D
*A 3823*D. *Antibiotic A 3823*D
Prod. by *S. cinnamonensis.* Minor component of Monensin complex of unknown struct.
Na salt: Mp 251-252°.

Agtarap, A. *et al, J. Am. Chem. Soc.*, 1967, **89**, 5737 (*ir, ms, nmr, struct, cryst struct*)
Pinkerton, M. *et al, J. Mol. Biol.*, 1970, **48**, 533 (*cryst struct*)
Ward, D.L. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 110 (*cryst struct*)
Fukuyama, T. *et al, J. Am. Chem. Soc.*, 1979, **101**, 259, 260, 262 (*synth, ir, pmr, ms*)
Barrans, Y. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 1144 (*cryst struct*)
Wand, M.D., *Diss. Abs. Int. B*, 1982, **43**, 3275 (*synth*)
Wilkes, M.K., *Diss. Abs. Int. B*, 1982, **42**, 3275 (*synth*)
Gani, D. *et al, J. Chem. Soc., Chem. Commun.*, 1985, 1002 (*biosynth, bibl*)
Reynolds, K. *et al, J. Chem. Soc., Chem. Commun.*, 1985, 1831 (*biosynth*)
Ajaz, A.A. *et al, J. Chem. Soc., Perkin Trans. 1*, 1987, 27 (*biosynth, pmr, cmr*)
Pangborn, W. *et al, J. Am. Chem. Soc.*, 1987, **109**, 2163 (*cryst struct*)
Pospisil, S. *et al, J. Antibiot.*, 1987, **40**, 555 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12973.

Monometacrine, INN M-00429

N,9,9-Trimethyl-10(9H)-acridinepropanamine, 9CI. 9,9-Dimethyl-10-[3-(methylamino)propyl]acridan, 8CI. SD 735
[4757-49-7]



$C_{19}H_{24}N_2$ M 280.412
Antidepressant. $Bp_{0.001}$ 140°.
Methanesulfonate: Mp 147-148°.
Fr. Pat., 1 438 357, (*1966*); *CA*, **66**, 10856j (*synth, pharmacol*)

Monosulfiram, BAN M-00430

Tetraethylthiodicarbonic acid diamide, 9CI. Bis(diethylthiocarbamoyl) sulfide, 8CI. ***Sulfiram, INN.*** *Kutkasin. Sanigal. Sarcocide* B. *Tetmosol. Tetrucid. Thiocid. Thiasan. Thioscabin*
[95-05-6]

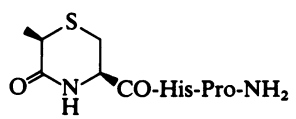


$C_{10}H_{20}N_2S_3$ M 264.461
Parasiticide, fungicide. Cryst. (C_6H_6/pet. ether). Mp 30-32°. $Bp_{0.5}$ 170°. Component of Oterna.
▷WQ1660000.

Gordon, R.M. *et al, Ann. Trop. Med.*, 1943, **37**, 195 (*pharmacol*)
Davies, W.H. *et al, Biochem. J.*, 1946, **40**, 331 (*synth, pharmacol*)
B.P., 910 071, (*1962*); *CA*, **58**, 3840h
Zsolnai, T., *Biochem. Pharmacol.*, 1962, **11**, 271 (*synth, pharmacol*)
Marquardt, F.-H., *Helv. Chim. Acta*, 1966, **49**, 1716 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3595.

Montirelin, INN M-00431

N-[(6-Methyl-5-oxo-3-thiomorpholinyl)carbonyl]-L-histidyl-L-prolinamide, 9CI. CG 3703
[62305-91-3]



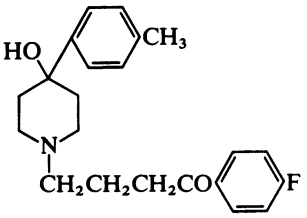
$C_{17}H_{24}N_6O_4S$ M 408.474
Central nervous system TRH analogue. Mp 140-142° (as trihydrate). $[\alpha]_D^{25}$ −33.5° (c, 1 in MeOH).

Netherlands Pat., 7 510 288, (*1976*); *CA*, **86**, 121785u (*synth, pharmacol*)
Metcalf, G. *et al, Thyrotropin-Releasing Horm.*, 1983, Griffiths, Bennett and Raven, New York, 315, 327 (*metab, struct, activity*)
Eckle, E. *et al, J. Med. Chem.*, 1985, **28**, 125 (*cryst struct*)

Moperone, INN **M-00432**

1-(4-Fluorophenyl)-4-[4-hydroxy-4-(4-methylphenyl)-1-piperidinyl]-1-butanone, 9CI. *4'-Fluoro-4-(4-hydroxy-4-*p*-tolylpiperidino)butyrophenone*

[1050-79-9]



$C_{22}H_{26}FNO_2$ M 355.451

Tranquilliser, neuroleptic agent. Cryst. Mp 118-119.5°.

B,HCl: [3871-82-7]. *Moperone hydrochloride,* JAN. *Luvatren. Lubatren. Meldol. Methylperidol. R1658.* Cryst. (isopropyl ether). Mp 216-218°.

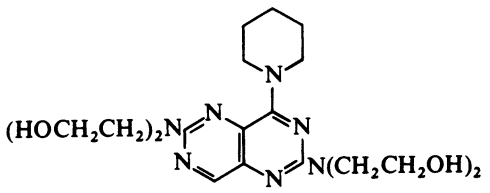
▷EU2975000.

Janssen, P.A. *et al, J. Med. Pharm. Chem.*, 1959, **1**, 281 (*synth, pharmacol*)
B.P., 881 893, (*1961*); *CA*, **57**, 2199a (*synth, pharmacol*)
Janssen, P.A. *et al, Arzneim.-Forsch.*, 1969, **19**, 199; 1970, **20**, 1238 (*metab*)
Blessington, B. *et al, Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)
Blaton, N.M. *et al, Cryst. Struct. Commun.*, 1982, **11**, 1283 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7073.

Mopidamol, BAN, INN **M-00433**

*2,2',2'',2'''-[[(4-Piperidinyl)pyrimido[5,4-*d*]pyrimidine-2,6-diyl)dinitrilo]tetrakis[ethanol],* 9CI, 8CI. *2,6-Bis[*N,N*-bis(2-hydroxyethyl)amino]-4-piperidinopyrimido[5,4-*d*]pyrimidine. R 1658. Rapenton. R-A 233*-BS

[13665-88-8]



$C_{19}H_{31}N_7O_4$ M 421.498

Platelet aggregation inhibitor, antineoplastic agent. Yellow cryst. Mp 166-172°, Mp 157-158°.

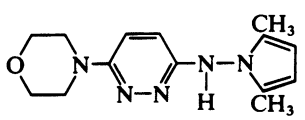
▷KM2675000.

B.P., 1 051 218, (*1966*); *CA*, **66**, 55521p (*synth, pharmacol*)
U.S.P., 3 322 755, (*1967*); *CA*, **68**, 69048t (*synth, pharmacol*)
Koch, H., *Drugs of Today*, 1981, **17**, 89 (*pharmacol, tox, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12975.

Mopidralazine, INN **M-00434**

*N-(2,5-Dimethyl-1*H*-pyrrol-1-yl)-6-(4-morpholinyl)-3-pyridazinamine,* 9CI

[75841-82-6]



$C_{14}H_{19}N_5O$ M 273.337

Vasodilator, antihypertensive agent. Cryst. (2-propanol). Mp 189-191°.

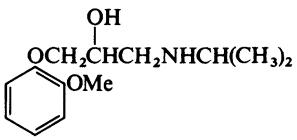
B,HCl: [86703-02-8]. *MDL 899.* Cryst. (2-propanol). Mp 260° dec.

Bellasio, E. *et al, J. Med. Chem.*, 1984, **27**, 1077 (*synth, pharmacol*)
Assandri, A. *et al, Arzneim.-Forsch.*, 1985, **35**, 508, 818 (*pharmacol*)
Assandri, A. *et al, Xenobiotica*, 1985, **15**, 1069, 1089 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19532.

Moprolol, INN **M-00435**

1-(2-Methoxyphenoxy)-3-[(1-methylethyl)amino]-2-propanol, 9CI. *1-(Isopropylamino)-3-*(o*-methoxyphenoxy)-2-propanol,* 8CI. *Omeral*

[5741-22-0]



$C_{13}H_{21}NO_3$ M 239.314

(−)-***form*** [77164-20-6]

Levomoprolol, INN

Pharmacol. active isomer.

(±)-***form*** [77164-19-3]

β-Adrenergic blocking agent. Mp 82-83°.

B,HCl: [27058-84-0]. *SD 1601.* No phys. props. reported.

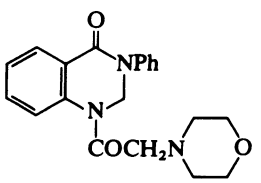
▷UB7480000.

Ferrari, G. *et al, Boll. Chim. Farm.*, 1968, **107**, 234 (*synth, pharmacol*)
Crowther, A.F. *et al, J. Med. Chem.*, 1969, **12**, 638 (*synth, pharmacol*)
Simo, I.B. *et al, Khim.-Farm. Zh.*, 1973, **7**, 23 (*synth, pharmacol*)
Eur. Pat., 15 418, (*1980*); *CA*, **94**, 156525 (*synth, resoln*)
Harvengt, C. *et al, Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1982, **20**, 57 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12976, 19406.

Moquizone, INN **M-00436**

*2,3-Dihydro-1-(4-morpholinylacetyl)-3-phenyl-4(1*H*)-quinazolinone,* 9CI. *2,3-Dihydro-1-(morpholinoacetyl)-3-phenyl-4(1*H*)-quinazolinone,* 8CI. *Acemoquinazone. Recobilina*

[19395-58-5]



$C_{20}H_{21}N_3O_3$ M 351.404

Choleretic, hypocholesterolaemic agent. Cryst. (2-propanol). Mp 135-137°.

▷VA3150000.

B,HCl: [19395-78-9]. *Peristil.* Cryst. (EtOH/Et_2O). Mp 210-214°.

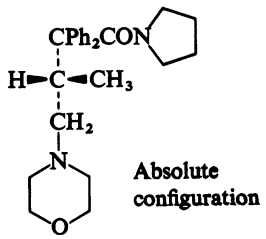
▷VA3190000.

Bonola, G. *et al, J. Med. Chem.*, 1968, **11**, 1136 (*synth, pharmacol*)
Grossi, F. *et al, Clin. Ter.*, 1969, **50**, 203 (*rev, pharmacol*)
Setnikar, I. *et al, Toxicol. Appl. Pharmacol.*, 1970, **16**, 571 (*tox*)

Moramide M-00437

1-[3-Methyl-4-(4-morpholinyl)-1-oxo-2,2-diphenylbutyl]pyrrolidine, 9CI. 1-(3-Methyl-4-morpholino-2,2-diphenylbutyryl)pyrrolidine, 8CI. 4-[2-Methyl-4-oxo-3,3-diphenyl-4-(1-pyrrolidinyl)butyl]morpholine. Pyrrolamidol. Other synonyms

[13013-15-5]



$C_{25}H_{32}N_2O_2$ M 392.540

(*R*)-form [5666-11-5]

Levomoramide, INN, BAN

Narcotic analgesic.

(*S*)-form [357-56-2]

Dextromoramide, BAN, INN. Destromoramide. Dextrodiphenopyrine

Narcotic analgesic. Insol. H_2O, sol. most organic solvs. Mp 180-184°. $[\alpha]_D^{20}$ +25.5° (C_6H_6).

Tartrate (1:1): [2922-44-3]. Cryst. Mp 189-192° dec.

▷UY1430000.

(±)-form [545-59-5]

Racemoramide, BAN, INN

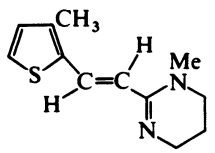
Narcotic analgesic.

Janssen, P., *J. Am. Chem. Soc.*, 1956, **78**, 3862 (*synth*)
Jacobs, J. *et al*, *Arch. Int. Pharmacodyn.*, 1961, **133**, 2961 (*pharmacol*)
Wlodzimierz, D., *Rocz. Chem.*, 1962, **36**, 364 (*synth*)
Bye, E., *Acta Chem. Scand., Ser. B*, 1976, **30**, 95 (*cryst struct, abs config*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7305.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6215, 6216.

Morantel, BAN, INN M-00438

1,4,5,6-Tetrahydro-1-methyl-2-[2-(3-methyl-2-thienyl)ethenyl]pyrimidine, 9CI. 1,4,5,6-Tetrahydro-1-methyl-2-[2-(3-methylthien-2-yl)vinyl]pyrimidine

[20574-50-9]



$C_{12}H_{16}N_2S$ M 220.332

Anthelmintic, freq. for veterinary use. Cryst. ($CHCl_3/C_6H_6$). Mp 239-241°.

▷UW0245000.

Tartrate: [26155-31-7]. *Morantel tartrate, USAN. CP 12009-18. Suiminth. Other synonyms.*

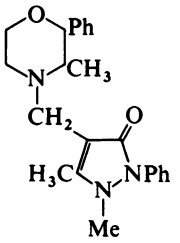
▷UW0246000.

B.P., 1 120 587, (*1968*); *CA*, **69**, 9065
Bamgose, S.O.A. *et al*, *Br. J. Pharmacol.*, 1973, **47**, 117 (*pharmacol*)
Bogan, J.A., *Drugs of Today*, 1977, **13**, 507 (*rev, deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2428.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12977.

Morazone, BAN, INN M-00439

1,2-Dihydro-1,5-dimethyl-4-[(3-methyl-2-phenyl-4-morpholinyl)methyl]-2-phenyl-3H-pyrazol-3-one, 9CI. 4-[(3-Methyl-2-phenylmorpholino)methyl]antipyrine, 8CI. 2,3-Dimethyl-1-phenyl-4-[(3-methyl-2-phenylmorpholino)methyl]-5-pyrazolone

[6536-18-1]



$C_{23}H_{27}N_3O_2$ M 377.485

Analgesic, antiinflammatory, antipyretic. Sol. $CHCl_3$, MeOH, Me_2CO. Mp 149-150°.

▷UQ9200000.

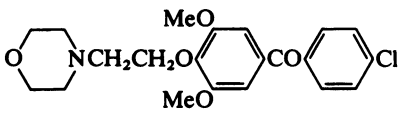
B,HCl: [50321-35-2]. *Novartrina. Orsimon. Tarcuzate.* Mp 171-172°.

B.P., 830 577, (*1960*); *CA*, **54**, 18561c (*synth*)
Weaver, L.C. *et al*, *J. Am. Pharm. Assoc., Sci. Ed.*, 1960, **49**, 298 (*pharmacol*)
Neugebauer, M., *J. Pharm. Biomed. Anal.*, 1984, **2**, 53 (*metab*)
Marciniec, B., *Pharmazie*, 1985, **40**, 110 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2671.

Morclofone, INN M-00440

(4-Chlorophenyl)[3,5-dimethoxy-4-[2-(4-morpholinyl)-ethoxy]phenyl]methanone, 9CI. 4'-Chloro-3,5-dimethoxy-4-(2-morpholinoethoxy)benzophenone, 8CI

[31848-01-8]



$C_{21}H_{24}ClNO_5$ M 405.877

Antitussive. Cryst. (cyclohexane). Mp 91-92°.

▷DJ0382000.

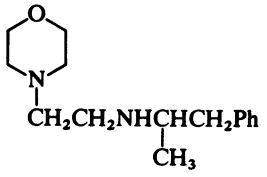
B,HCl: [31848-02-9]. *Medicil. Nitux. Novotussil. Plausital. Dimeclofenone.* Cryst. (2-propanol). Mp 187-189°.

Bosisio, E. *et al*, *Farmaco, Ed. Sci.*, 1971, **26**, 356 (*pharmacol*)
Ger. Pat., 2 016 707, (*1971*); *CA*, **74**, 141825n (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5624.

Morforex, INN M-00441

N-*(1-Methyl-2-phenylethyl)-4-morpholineethanamine, 9CI. N-Morpholinoethylamphetamine. 4-[2-[(α-Methylphenethyl)amino]ethyl]morpholine. Bo 637*

[41152-17-4]



$C_{15}H_{24}N_2O$ M 248.367

(+)-form more toxic. Anorexic agent.

▷LD_{50} 250 mg/kg (oral, mice), -150 mg/kg (i.p. mice)

(+)-*form*

B,HCl: Mp 167° dec. $[\alpha]_D^{20}$ +22.7°.

(−)-*form*

B,HCl: Mp 155° dec. $[\alpha]_D^{20}$ −22.2°.

(±)-*form*

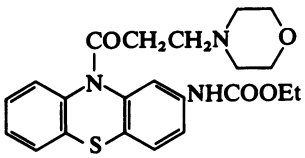
B,HCl: Cryst. (2-propanol). Mp 142° dec.

Fr. Pat., M2199, (*1964*); *CA*, **60**, 10693b (*synth, pharmacol*)

Moricizine, USAN **M-00442**

Ethyl [10-[3-(4-morpholinyl)-1-oxopropyl]-10H-phenothiazin-2-yl]carbamate, 9CI. Ethyl 10-(3-morpholinopropionyl)phenothiazine-2-carbamate, 8CI. ***Moracizine, INN.*** *G214. EN 313*

[31883-05-3]



$C_{22}H_{25}N_3O_4S$ M 427.517

Cardiac depressant (antiarrhythmic).

B,HCl: [29560-58-5]. *Ethmozine.*

▷SN6500000.

Kaverina, N.V. *et al*, *Farmakol. Toksikol.*, 1970, **33**, 693 (*pharmacol*)
Gritsenko, A. *et al*, *Khim.-Farm. Zh.*, 1972, **6**, 17 (*synth, pharmacol*)
Boiko, S.S. *et al*, *Farmakol. Toksikol.*, 1974, **37**, 152 (*metab*)
Lynbimov, B.I. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 147 (*tox*)
Schwartz, J.B. *et al*, *Drugs*, 1981, **21**, 23 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12978.

Morinamide, INN **M-00443**

N-(4-Morpholinomethyl)pyrazinecarboxamide, 9CI. Morphazinamide. Numerous proprietary names

[952-54-5]



$C_{10}H_{14}N_4O_2$ M 222.246

Antibacterial (tuberculostatic). Cryst. Mp 117-119°.

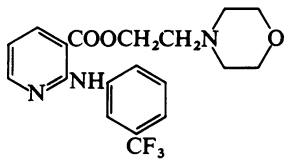
B,HCl: [1473-73-0]. *B 2311. Piazofolina. Piazolin.* Cryst. Mp 196°.

Solov'ev, V.N. *et al*, *Farmakol. Toksikol.*, 1967, **30**, 734 (*pharmacol*)
Ger. Pat., 1 129 492, (*1969*); *CA*, **71**, 91301d (*synth, pharmacol*)
Embran, S.R. *et al*, *Indian J. Pharm.*, 1973, **35**, 126 (*synth, deriv*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1646 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7563.

Morniflumate, USAN, INN **M-00444**

2-(4-Morpholinylethyl) 2-[[3-(trifluoromethyl)phenyl]-amino]-3-pyridinecarboxylate, 9CI. Niflucil-Suppos.. UP 164

[65847-85-0]



$C_{19}H_{20}F_3N_3O_3$ M 395.381

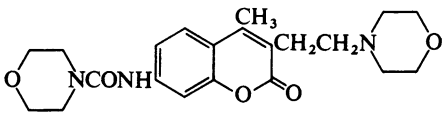
Antiinflammatory drug.

Schiantarelli, P. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 885; *Agents Actions*, 1984, **14**, 247 (*pharmacol*)
Toffoli, P. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 547 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3845.

Morocromen, INN **M-00445**

N-[4-Methyl-3-[2-(4-morpholinyl)ethyl]-2-oxo-2H-1-benzopyran-7-yl]-4-morpholinecarboxamide, 9CI. 4-Methyl-7-(4-morpholinocarboxamido)-3-(2-morpholinoethyl)coumarin. TVX 647

[35843-07-3]



$C_{21}H_{27}N_3O_5$ M 401.461

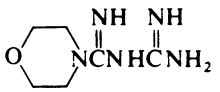
Coronary vasodilator. Cryst. (2-propanol/$CHCl_3$). Mp 270-271° dec.

Ger. Pat., 2 035 536, (*1972*); *CA*, **76**, 127000 (*synth, pharmacol*)
Becker, K.H. *et al*, *Naturwissenschaften*, 1976, **63**, 148 (*pharmacol*)

Moroxydine, BAN, INN **M-00446**

N-(Aminoiminomethyl)-4-morpholinecarboximidamide, 9CI. N-Amidino-4-morpholinecarboxamidine, 8CI. 4-Morpholinecarboximidoylguanidine. N,N′-Anhydro-bis(2-hydroxyethyl)biguanide. Abitilguanide. Numerous other proprietary names

[3731-59-7]



$C_6H_{13}N_5O$ M 171.202

Antiviral agent, influenza suppressant.

B,HCl: [3160-91-6]. *Morpholinobiguanide hydrochloride. Numerous other proprietary names.* Mp 203-204°.

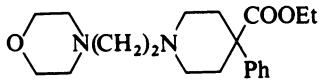
▷QD9815000.

Serafin, B. *et al*, *Rocz. Chem.*, 1962, **36**, 679 (*synth*)
Gulubov, A., *C. R. Acad. Bulg. Sci.*, 1968, **21**, 498 (*pharmacol*)
Handa, R. *et al*, *Cryst. Mol. Struct.*, 1971, **1**, 235 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 560.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12979.

Morpheridine, BAN, INN M-00447

1-[2-(4-Morpholinyl)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, 9CI. 1-(2-Morpholinoethyl)-4-phenylisonipecotic acid ethyl ester, 8CI

[469-81-8]



$C_{20}H_{30}N_2O_3$ M 346.469

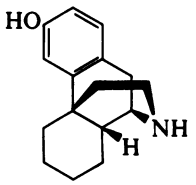
Narcotic analgesic. d 1.5276. $Bp_{0.5}$ 188-192°.

B,2HCl: Morpholinoethylnorpethidine. Cryst. (EtOH aq.). Mp 264-266° dec.

Anderson, R.J. *et al, J. Chem. Soc.*, 1956, 4088 (*synth*)
B.P., 762 689, (*1956*); *CA*, **51**, 15605 (*synth*)
Millar, R.A. *et al, Br. J. Pharmacol.*, 1956, **11**, 27 (*pharmacol*)

Morphinan-3-ol, 9CI M-00448

[1531-12-0]



(−)-*form* Absolute configuration

$C_{16}H_{21}NO$ M 243.348

(−)-*form*

Norlevorphanol, BAN, INN. *NIH 7539*

Narcotic analgesic. Mp 272° (260-262°). $[\alpha]_D^{21}$ −41.5° (c, 1 in MeOH).

B,HCl: Cryst. (H_2O). Mp 320°.

B,HBr: Cryst. (H_2O). Mp 222-224°.

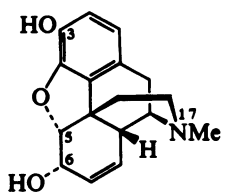
N-*Me: see 3-Hydroxy-N-methylmorphinan, H-00166*
$C_{17}H_{23}NO$ M 257.375

Schnider, O. *et al, Helv. Chim. Acta*, 1951, **34**, 2211 (*synth*)
Hellerbach, J. *et al, Helv. Chim. Acta*, 1956, **39**, 429 (*synth*)
Corrodi, H. *et al, Helv. Chim. Acta*, 1959, **42**, 212 (*abs config*)

Morphine, BAN M-00449

7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol, 9CI. Meconium. Morfine

[57-27-2]



Absolute configuration

$C_{17}H_{19}NO_3$ M 285.342

Principal alkaloid of opium (*Papaver somniferum*) (Papaveraceae). Powerful narcotic analgesic. Addictive. Acts as a stimulant to horses, has been used in horse doping. Prisms + $1H_2O$ (EtOH aq.), anhyd. prisms (anisole). V. sol. EtOAc, Me_2CO, sol. EtOH, spar. sol. H_2O, Et_2O, $CHCl_3$. Mp 254-256.4° dec. (anhyd.). $[\alpha]_D^{23}$ −130.9° (MeOH). pK_a 6.5.

▷Highly toxic, lethal dose in humans ~1-10 mg. QC7875000.

B,HCl: Silky needles + $3H_2O$ (dil. HCl). Sol. H_2O, v. spar. sol. EtOH. Mp 200°. $[\alpha]_D^{18}$ −97.9° (H_2O).

6-Ac; B,HCl: Mp 187°. $[\alpha]_D^{23}$ −163° (H_2O).

6-Benzoyl:
$C_{24}H_{23}NO_4$ M 389.450
Mp 269-270°.

3,6-Di-Ac: see Heroin, H-00034

O^3-Me: see Codeine, C-00525

O-Di-Me: Prisms or plates. Mp 140-141°.

3-Et ether: [76-58-4]. ***Ethylmorphine.***
$C_{19}H_{23}NO_3$ M 313.396
Analgesic, antitussive, mydriatic. Mp 199-201°.

▷Addictive. QD0850000.

Et ether; B,HCl: [125-30-4]. *Codethyline. Dionina.* Bitter-tasting powder. Mp 123° dec.

▷QD0874000.

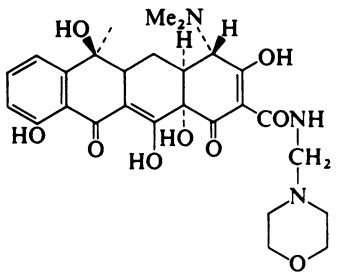
N-*Oxide:* ***Morphine N-oxide.***
$C_{17}H_{19}NO_4$ M 301.341
Alkaloid from *P. somniferum* (Papaveraceae).

Bentley, K.W., *Chemistry of the Morphine Alkaloids*, 1954, Oxford Univ. Press (*isol, bibl, uv*)
Gates, M. *et al, J. Am. Chem. Soc.*, 1956, **78**, 1380 (*synth*)
Wheeler, D.M.S. *et al, J. Am. Chem. Soc.*, 1967, **89**, 4494 (*ms*)
Fridrichsons, J. *et al, Tetrahedron Lett.*, 1968, 2887 (*cryst struct, abs config*)
de Angelis, G.G. *et al, Tetrahedron*, 1969, **25**, 5099 (*ord*)
Kametani, T. *et al, J. Chem. Soc. (C)*, 1969, 3030 (*synth*)
Bentley, K.W., *The Alkaloids*, (*Manske, R.H.F., Ed.*), **13**, 1 (*rev, bibl*)
Battersby, A.R. *et al, Tetrahedron Lett.*, 1975, 1873 (*biosynth*)
Bye, E., *Acta Chem. Scand., Ser. B*, 1976, **30**, 549 (*cryst struct*)
Carroll, F.I. *et al, J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Phillipson, J.D. *et al, Phytochemistry*, 1976, **15**, 1297 (*oxide*)
Thenot, J.P.G. *et al, Methods Biochem. Anal.*, 1977, **24**, 1 (*rev, glc*)
Factors Affecting Action Narcotics, (*Proc. Meet. 1976*), Raven Press, N.Y., 1978, 103, 233, 565, 595 (*revs, pharmacol*)
Rice, K.C., *Chem. Biol. Isoquinoline Alkaloids*, 1985, 191 (*rev, synth*)
Toth, J.E. *et al, J. Org. Chem.*, 1987, **52**, 473 (*synth*)
Muhtadi, F.J., *Anal. Profiles Drug Subst.*, 1988, **17**, 259 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5323 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6226, 6239, 6241.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 841.

Morphocycline M-00450

N-(*Morpholinomethyl*)*tetracycline*

[3098-60-0]



$C_{27}H_{33}N_3O_9$ M 543.572

Semisynthetic tetracycline antibiotic. Antibiotic with broad spectrum activity. Cryst. Mp 150-152°. $[\alpha]_D^{23}$ −204° (c, 1 in H_2O). Usually obt. as a 1:1 complex with Oleandomycin, O-00035 known as Oleomorphocycline.

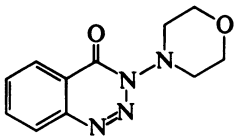
Gottstein, W.J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 1198 (*synth*)
Loginov, A.V. *et al, Antibiotiki (Moscow)*, 1964, **9**, 483 (*pharmacol*)
Russ. Pat., 333 172, (*1967*); *CA*, **77**, 114822 (*synth*)

Kivman, G.Y. *et al*, *Antibiotiki* (*Moscow*), 1971, **16**, 722 (*metab*)
Franke, G. *et al*, *Farmakol. Toksikol.* (*Moscow*), 1977, **40**, 569 (*pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1961.

3-(4-Morpholinyl)-1,2,3-benzotriazin-4(3*H*)-one, 9CI M-00451

*3-Morpholino-1,2,3-benzotriazin-4-3*H*-one.* ***Molinazone,*** *USAN, INN*

[5581-46-4]



$C_{11}H_{12}N_4O_2$ M 232.241

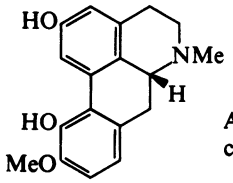
Analgesic. Mp 199-200°.

Fr. Pat., M2341 (*1964*); *CA*, **61**, 8141a (*synth, pharmacol*)

Morphothebaine M-00452

*5,6,6a,7-Tetrahydro-10-methoxy-6-methyl-4*H*-dibenzo*[de,g]*quinoline-2,11-diol, 9CI. 2,11-Dihydroxy-10-methoxyaporphine*

[478-53-5]



Absolute configuration

$C_{18}H_{19}NO_3$ M 297.353

Prepared from Codeinone or Thebaine. Adenylate cyclase inhibitor. Mp 197-198°. $[\alpha]_D^{15}$ −130° (EtOH).

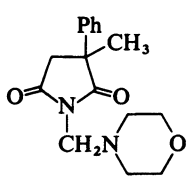
B,HCl: [6032-66-2]. $[\alpha]_D^{20}$ −43.6° (c, 0.699 in H_2O).

Pschorr, R. *et al*, *Ber.*, 1907, **40**, 2004 (*struct, synth*)
Gulland, J.M. *et al*, *J. Chem. Soc.*, 1928, 2083 (*struct, synth*)
Green, J.F. *et al*, *J. Pharm. Sci.*, 1980, **69**, 936 (*ms*)
Neumeyer, J.L. *et al*, *J. Med. Chem.*, 1981, **24**, 1440; 1982, **25**, 990 (*synth, pharmacol*)
Ram, V.J. *et al*, *J. Org. Chem.*, 1981, **46**, 2830 (*synth*)
Shen, R.S. *et al*, *J. Biol. Chem*, 1984, **259**, 8994 (*pharmacol*)

Morsuximide, INN M-00453

*3-Methyl-1-(4-morpholinylmethyl)-3-phenyl-2,5-pyrrolidinedione, 9CI. 2-Methyl-*N*-(morpholinomethyl)-2-phenylsuccinimide. Morfolep. Perlepsin. Morsuccinimide. S-210*

[3780-72-1]



$C_{16}H_{20}N_2O_3$ M 288.346

▷WN3150000.

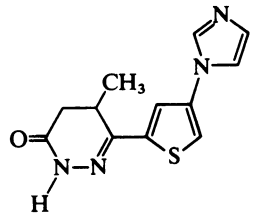
(±)-form

Antiepileptic, anticonvulsant. Mp 69-70°.

Magyar, I. *et al*, *Ther. Hung.*, 1966, **14**, 97 (*pharmacol*)
Eckstein, M. *et al*, *Diss. Pharm. Pharmacol.*, 1967, **19**, 263 (*synth, pharmacol*)
Clemson, H.C. *et al*, *J. Pharm. Sci.*, 1968, **57**, 584 (*synth*)
Hungarian Pat., 155 770, (*1969*); *CA*, **71**, 22132n (*synth*)
Argay, G. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 1146 (*cryst struct*)

Motapizone, INN M-00454

*4,5-Dihydro-6-[4-(1*H*-imidazol-1-yl)-2-thienyl]-5-methyl-3(2*H*)-pyridazinone, 9CI. NAT 05-239*



$C_{12}H_{12}N_4OS$ M 260.313

(±)-form [90697-57-7]

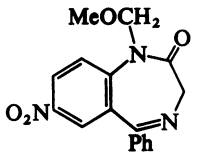
Antihypertensive, antithrombotic agent. Cryst. ($CHCl_3$). Mp 225°.

Ger. Pat., 3 241 102, (*1984*); *CA*, **101**, 72744 (*synth*)
Borbe, H.O. *et al*, *Agents Actions Suppl.*, 1986, **20**, 249 (*pharmacol*)
Schulz, V. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **31**, 405, 411 (*pharmacol*)

Motrazepam, INN M-00455

*1,3-Dihydro-1-(methoxymethyl)-7-nitro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, 8CI. Ro 69098/000*

[29442-58-8]



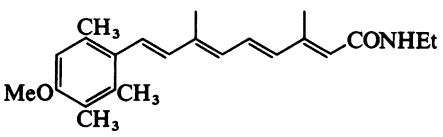
$C_{17}H_{15}N_3O_4$ M 325.323

Anticonvulsant, tranquilliser. Cryst. (C_6H_6/EtOH). Mp 139-141°.

Ger. Pat., 2 005 508, (*1970*); *CA*, **73**, 131050w (*synth, pharmacol*)
Sarrazin, M. *et al*, *Org. Magn. Reson.*, 1975, **7**, 89 (*nmr*)
Seiler, P. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1519.

Motretinide, USAN, INN M-00456

N-Ethyl-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenamide, 9CI. 9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethylnona-2,4,6,8-tetraen-1-oic acid ethyl amide. Tasmaderm. Moncler



$C_{23}H_{31}NO_2$ M 353.503

(all-E)-form [56281-36-8]

Keratolytic, anti-acne, antineoplastic agent. Cryst. (EtOH). Mp 179-180°.

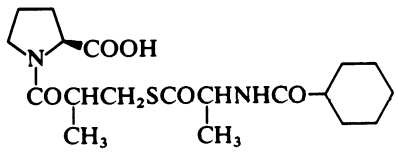
Bollag, W., *Chemotherapy*, 1975, **21**, 236 (*pharmacol*)

Englert, G., *Helv. Chim. Acta*, 1975, **58**, 2367 (*cmr, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12980.

Moveltipril, INN **M-00457**

1-[3-[[2-[(Cyclohexylcarbonyl)amino]-1-oxopropyl]-thio-2-methyl-1-oxopropyl]-L-proline, 9CI

[85856-54-8]



$C_{19}H_{30}N_2O_5S$ M 398.516

Antihypertensive agent.

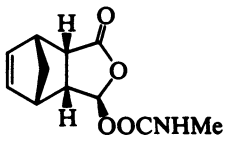
Ca salt: [85921-53-5]. *MC 838.*

Belg. Pat., 893 553, (*1982*); *CA*, **98**, 215995n (*synth, pharmacol*)
Noguchi, K. *et al*, *Pharmacology*, 1987, **34**, 48 (*pharmacol*)

Moxadolen, INN **M-00458**

3a,4,7,7a-Tetrahydro-3-[[(methylamino)carbonyl]oxy]-4,7-methanoisobenzofuran-1(3H)-one, 9CI. 4-Oxa-5-[(methylcarbamoyl)oxy]tricyclo[5.2.1.0^{2,6}]dec-8-en-3-one. LU 253

[75992-53-9]



$C_{11}H_{13}NO_4$ M 223.228

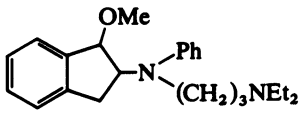
Analgesic. Cryst. (MeOH). Mp 160-163°.

Ger. Pat., 2 346 305, (*1975*); *CA*, **83**, 431755 (*synth*)
Ger. Pat., 2 510 714, (*1976*); *CA*, **86**, 16531k (*synth*)

Moxaprindine, INN **M-00459**

N,N-Diethyl-N'-(1-methoxy-2-indanyl)-N'-phenyl-1,3-propanediamine. N-(2,3-Dihydro-1-methoxy-1H-inden-2-yl)-N',N'-diethyl-N-phenyl-1,3-propanediamine, 9CI. Methoxyaprindine

[53076-26-9]



$C_{23}H_{32}N_2O$ M 352.519

Antiarrhythmic drug. Cryst. (Me_2CO/MeOH). Mp 138-140°.

Ger. Pat., 2 355 039, (*1974*); *CA*, **81**, 169359g (*synth, pharmacol*)

Moxastine, INN **M-00460**

2-(1,1-Diphenylethoxy)-N,N-dimethylethylamine, 8CI. 2-(1,1-Diphenylethoxy)-N,N-dimethylethanamine, 9CI. Mefenhydramine

[3572-74-5]

$Ph_2C(CH_3)OCH_2CH_2NMe_2$

$C_{18}H_{23}NO$ M 269.386

Antihistamine. $Bp_{0.5}$ 125-135°.

▷KR6715000.

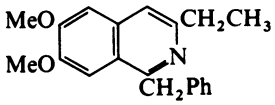
B,HCl: [4747-24-4]. *Spofa 325.* Mp 165°.

Czech. Pat., 99 281, (*1961*); *CA*, **52**, 3414i (*synth, pharmacol*)
Sarsunova, M. *et al*, *Pharmazie*, 1966, **21**, 752 (*tlc*)

Moxaverine, BAN, INN **M-00461**

3-Ethyl-6,7-dimethoxy-1-(phenylmethyl)isoquinoline, 9CI. 1-Benzyl-3-ethyl-6,7-dimethoxyisoquinoline, 8CI

[10539-19-2]



$C_{20}H_{21}NO_2$ M 307.391

Antispasmodic. Mp 78-79°.

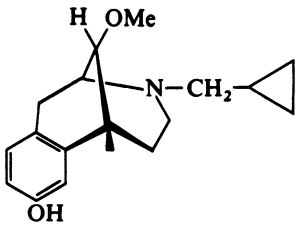
B,HCl: [1163-37-7]. *Eupaverin. Kollateral. Meteverine hydrochloride. Paverin "Bracco".* Mp 208-210° dec.

Fr. Pat., 1 362 765, (*1964*); *CA*, **62**, 536f (*synth, deriv*)
Toth, C.E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **162**, 123 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5237.

Moxazocine, INN, USAN **M-00462**

3-(Cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-11-methoxy-6-methyl-2,6-methano-3-benzazocin-8-ol, 9CI. BL 4566

[58239-89-7]



$C_{18}H_{25}NO_2$ M 287.401

Analgesic, antitussive. Cryst. (MeCN). Mp 188-189°.

(+)-form

Tartrate (2:1): Mp 147-148°. $[\alpha]_D^{20}$ +37.3° (c, 1 in EtOH aq.).

(−)-form

Mp 180-180.5°.

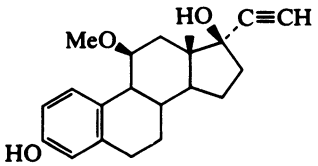
Fumarate (2:1): Mp 179-180°. $[\alpha]_D^{20}$ −57.4° (c, 1 in EtOH aq.).

Ger. Pat., 2 517 220, (*1975*); *CA*, **84**, 59832k (*synth, pharmacol*)

Moxestrol, INN **M-00463**

11β-Methoxy-19-nor-17α-pregna-1,3,5(10)-trien-20-yne-3,17-diol, 9CI. Surestryl (new form). R 2858. NSC 118191

[34816-55-2]



$C_{21}H_{26}O_3$ M 326.435

Oestrogen. Mp 280°. $[\alpha]_D^{20}$ +29° (c, 0.6 in EtOH).

▷RC8945000.

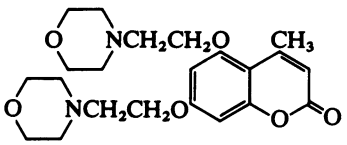
Azadian-Boulanger, G. *et al*, *Chim. Ther.*, 1973, **8**, 45 (*synth, pharmacol*)

Raynaud, J.P., *Steroids*, 1973, **21**, 249 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12981.

Moxicoumone, INN **M-00464**

4-Methyl-5,7-bis[2-(4-morpholinyl)ethoxy)-2H-1-benzopyran-2-one, 9CI. 4-Methyl-5,7-bis(2-morpholinoethoxy)coumarin, 8CI. Fleboxil. Moxile. Rec 15/0019

[17692-56-7]



$C_{22}H_{30}N_2O_6$ M 418.489

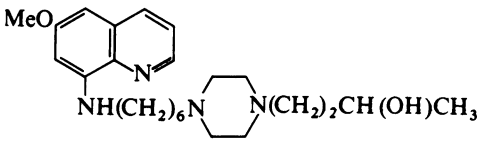
Anticoagulant, antihypertensive agent. Mp 130-133°.

Tajana, A. *et al, Arzneim.-Forsch.*, 1971, **21**, 817 (*metab*)
Japan. Pat., 69 16 374, (*1979*); *CA*, **71**, 81381r (*synth, pharmacol*)

Moxipraquine, BAN, INN **M-00465**

4-[[6-(6-Methoxy-8-quinolyl)amino]hexyl]-α-methyl-1-piperazinepropanol, 9CI, 8CI. 8-[[6-[4-(3-Hydroxybutyl)-1-piperazinyl]hexyl]amino]-6-methoxyquinoline

[23790-08-1]



$C_{24}H_{38}N_4O_2$ M 414.590

▷TM2676000.

(±)-form

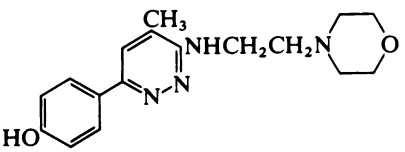
Protazoacide. $Bp_{0.2}$ 252-255°.

B.P., 1 153 471, (*1969*); *CA*, **71**, 91334s (*synth, pharmacol*)

Moxiraprine, INN **M-00466**

4-[5-Methyl-6-[[2-(4-morpholinyl)ethyl]amino]-3-pyridazinyl]phenol, 9CI

[82239-52-9]



$C_{17}H_{22}N_4O_2$ M 314.386

Metab. of Minaprine, M-00381 . Antidepressant, dopamimetic agent.

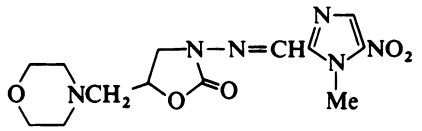
B,2HBr: CM 30366. Cryst. (EtOH). Mp 162°.

Eur. Pat., 72 299, (*1983*); *CA*, **99**, 105265 (*synth, pharmacol*)
Fong, M.H. *et al, J. Chromatogr.*, 1983, **259**, 141 (*hplc*)
Caccia, S. *et al, Xenobiotica*, 1985, **15**, 1111 (*metab*)
Worms, P. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1986, **334**, 246 (*pharmacol*)

Moxnidazole, USAN, INN **M-00467**

3-[[(1-Methyl-5-nitro-1H-imidazol-2-yl)methylene]-amino]-5-(4-morpholinylmethyl)-2-oxazolidinone, 9CI

[52279-59-1]



$C_{13}H_{18}N_6O_5$ M 338.322

Antiprotozoal agent.

▷RQ3644000.

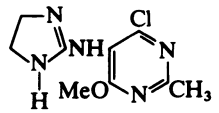
B,HCl: [30826-72-3].

Rufer, C. *et al, J. Med. Chem.*, 1971, **14**, 94 (*synth, deriv, pharmacol*)
Kessler, H.J. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 19 (*synth, pharmacol*)
Kessler, H.J. *et al, Arzneim.-Forsch.*, 1976, **26**, 1371 (*pharmacol, deriv*)

Moxonidine, INN **M-00468**

4-Chloro-N-(4,5-dihydro-1H-imidazol-2-yl)-6-methoxy-2-methyl-5-pyrimidinamine, 9CI. 4-Chloro-5-(2-imidazolin-2-ylamino)-6-methoxy-2-methylpyrimidine. BDF 5895. BE 5895

[75438-57-2]



$C_9H_{12}ClN_5O$ M 241.680

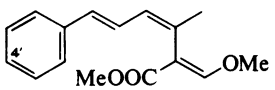
Antihypertensive agent. Mp 217-219° dec.

B,HCl: Cryst. (2-propanol/Et_2O). Mp 189°.

Ger. Pat., 2 849 537, (*1980*); *CA*, **93**, 220769t (*synth, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19534.

Mucidin **M-00469**

2-(Methoxymethylene)-3-methyl-6-phenyl-3,5-hexadienoic acid methyl ester, 9CI. Strobilurin A. Mucidermin



(E,Z,E)-form

$C_{16}H_{18}O_3$ M 258.316

▷QG1120000.

(E,Z,E)-form [52110-55-1]

Prod. by *Oudemansiella mucida* and *Strobilurus tenacellus* and many other fungi. Antifungal agent and potent inhibitor of respiration. Oil. λ_{max} 230, 237 and 294 nm.

▷QG1120000.

4'-Methoxy: [86421-33-2]. ***4'-Methoxymucidin.***
$C_{17}H_{20}O_4$ M 288.343
Isol. from *O. mucida*. Antifungal agent. Cryst. (pet. ether). Mp 70-71°.

3'-Methoxy, 4'-chloro: [65105-52-4]. ***Strobilurin B,*** *9CI.*
$C_{17}H_{19}ClO_4$ M 322.788
Prod. by *Streptomyces tenacellus*. Antifungal agent and respiration inhibitor.

3'-(3-Methyl-2-butenyloxy): [87081-57-0]. ***Strobilurin C.***
$C_{21}H_{26}O_4$ M 342.434

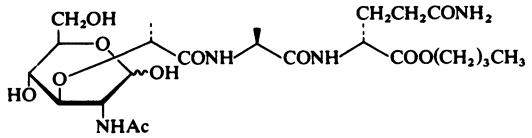
Prod. by *Xerula longipipes* and *X. melanotricha*. Antifungal agent and respiration inhibitor.

(E,E,E)-form [81436-40-0]
Mp 75-77°.

Anke, T. *et al*, *J. Antibiot.*, 1977, **30**, 806.
Schramm, G. *et al*, *Chem. Ber.*, 1978, **111**, 2779 (*struct, uv, ir, ms, pmr*)
Sedmara, P. *et al*, *J. Antibiot.*, 1981, **34**, 1069.
Nerud, F. *et al*, *Collect. Czech. Chem. Commun.*, 1982, **47**, 1020 (*biosynth*)
Anke, T. *et al*, *J. Antibiot.*, 1983, **36**, 661; *Justus Liebigs Ann. Chem.*, 1984, 1616 (*isol, config, synth*)
Vondráček, M. *et al*, *Collect. Czech. Chem. Commun.*, 1983, **48**, 1508 (*deriv*)
Beautement, K. *et al*, *Tetrahedron Lett.*, 1987, **28**, 475 (*synth*)

Murabutide, INN M-00470

N^2-[N-(N-*Acetylmuramoyl*)-*L-alanyl*]-*D-glutamine butyl ester*, *9CI*
[74817-61-1]

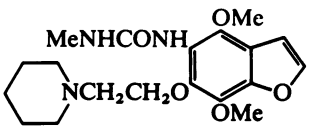


$C_{23}H_{40}N_4O_{11}$ M 548.589
Immune adjuvant. $[\alpha]_D^{20}$ +35° (c, 1.0 in AcOH).

Eur. Pat., 6 068, (*1979*); *CA*, **93**, 132812w (*synth, pharmacol*)
Lafrancier, P. *et al*, *J. Med. Chem.*, 1982, **25**, 87 (*synth, pharmacol*)

Murocainide, INN M-00471

N-[*4,7-Dimethoxy-6-*[*2-*(*1-piperidinyl*)*ethoxy*]-*5-benzofuranyl*]-N′-*methylurea*, *9CI*. *MD 750819*
[66203-94-9]

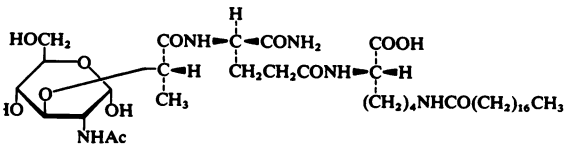


$C_{19}H_{27}N_3O_5$ M 377.439
Cardiotonic agent. Cryst. (isopropyl ether). Mp 120°.

Ger. Pat., 2 730 593, (*1978*), *CA*, **88**, 152404q (*synth, pharmacol*)

Muroctasin M-00472

N^2-[N^2-[N-(N-*Acetylmuramoyl*)-*L-alanyl*]-*D-α-glutaminyl*]-N^6-(*1-oxooctadecyl*)-*L-lysine*, *9CI*
[78113-36-7]

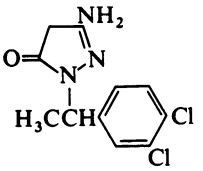


$C_{43}H_{78}N_6O_{13}$ M 887.122
Antineoplastic, antiviral agent. Powder. Mp 176-178°. $[\alpha]_D^{20}$ +24.9° (MeOH).

Tsubura, E. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 951 (*synth, pharmacol, pmr, cmr, uv, ir*)

Muzolimine, BAN, USAN, INN M-00473

5-Amino-2-[*1-*(*3,4-dichlorophenyl*)*ethyl*]-*2,4-dihydro-3H-pyrazol-3-one*, *9CI*. *3-Amino-1-*(*3,4-dichloro-α-methylbenzyl*)-*2-pyrazolin-5-one*. *Edrul*
[55294-15-0]

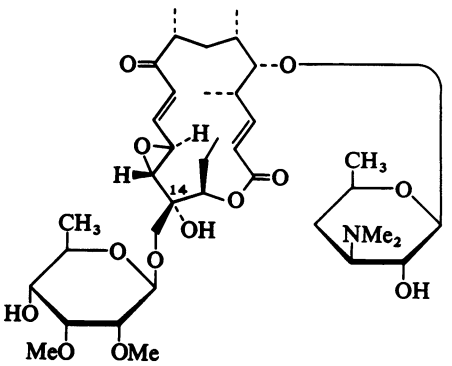


$C_{11}H_{11}Cl_2N_3O$ M 272.133
Hypotensive agent, diuretic. Cryst. (MeOH). Mp 127-129°.
▷UR0370000.

Moeller, E. *et al*, *Pharmatherapeutica*, 1977, **1**, 540 (*rev, synth*)
Mussche, M. *et al*, *Curr. Med. Res. Opin.*, 1977, **4**, 462 (*pharmacol*)
Hanisch, M., *Clin. Nephrol.*, 1983, **19**, 32 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2350.

Mycinamycin II M-00474

14-Hydroxymycinamycin I, *9CI*. ***Mirosamicin, INN***. *AR 5-II. Antibiotic A 11725 II. Antibiotic AR 5-II. A 11725 II*
[73684-69-2]



$C_{37}H_{61}NO_{13}$ M 727.888
Macrolide antibiotic. Isol. from *Micromonospora griseorubida*. Active against gram-positive bacteria, *Haemophilus influenzae* and mycoplasmas. Powder. Mp 102-106°. $[\alpha]_D^{25}$ −31° (c, 1 in MeOH).

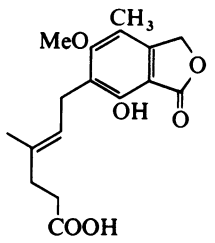
14-Deoxy: [73665-15-3]. ***Mycinamycin I, 9CI***. *A 11725 I. AR 5-I. Antibiotic A 11725 I. Antibiotic AR 5-I.*
$C_{37}H_{61}NO_{12}$ M 711.888
Isol. from *M. griseorubida*. Active against gram-positive bacteria, *H. influenzae* and mycoplasmas. Powder. Mp 103-107°. $[\alpha]_D^{25}$ −40° (c, 1 in MeOH).

Satoi, S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1980, 119; *J. Antibiot.*, 1980, **33**, 364 (*isol, uv, ir, pmr, cmr*)
Harada, K. *et al*, *J. Antibiot.*, 1985, **38**, 522, 868 (*abs config, ms, bibl*)

Mycophenolic acid, USAN, INN **M-00475**

6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid, 9CI. *Mel-bex. Lilly 68618. NSC 129185*

[24280-93-1]



$C_{17}H_{20}O_6$ M 320.341

Metab. of *Penicillium brevi-compactum, P. stoloniferum* and other *P.* spp. Shows antitumour and antiviral props. Useful in treating psoriasis and leishmaniasis. Needles (H_2O). Mp 141°.

▷MP8050000.

Ac: Mp 158-160°.

Et ester: ***Ethyl mycophenolate.***

$C_{19}H_{24}O_6$ M 348.395

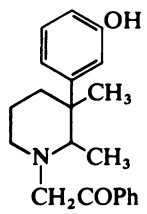
Metab. of *P. brevi-compactum.* Mp 88-90°.

Clutterbuck, P.W. *et al, Biochem. J.*, 1932, **26**, 1451 (*isol*)
Canonica, L. *et al, J. Chem. Soc., Perkin Trans. 1*, 1972, 2639 (*ir, nmr, biosynth*)
Canonica, L. *et al, Tetrahedron*, 1972, **28**, 4395 (*synth, pmr, ir*)
Harrison, W. *et al, J. Chem. Soc., Perkin Trans. 2*, 1972, 1542 (*cryst struct*)
Bowen, L. *et al, J. Chem. Soc., Chem. Commun.*, 1977, 949, 950 (*ms, pmr, biosynth*)
Colombo, L. *et al, J. Chem. Soc., Perkin Trans. 1*, 1982, 365 (*biosynth*)
Danheiser, R.L. *et al, J. Am. Chem. Soc.*, 1986, **108**, 806 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12984.
Cole, R.J. *et al, Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 866.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1965.

Myfadol, INN **M-00476**

2-[3-(3-Hydroxyphenyl)-2,3-dimethyl-1-piperidinyl]-ethanone, 9CI. *2-[3-(m-Hydroxyphenyl)-2,3-dimethylpiperidino]acetophenone,* 8CI

[4575-34-2]



$C_{21}H_{25}NO_2$ M 323.434

Analgesic, antitussive agent.

B,HCl: [4370-33-6]. *TA-306.* Mp 224-228°.

▷AM9158000.

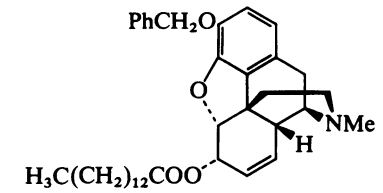
B,HBr: Mp 219-221°.

Belg. Pat., 660 427, (*1965*); *CA*, **64**, 2064f
Hayashi, G. *et al, Jap. J. Pharmacol.*, 1968, **18**, 406 (*pharmacol*)

Myrophine, BAN, INN **M-00477**

3-O-Benzyl-6-tetradecanoylmorphine. 7,8-Didehydro-4,5-epoxy-17-methyl-3-(phenylmethoxy)morphinan-6-ol tetradecanoate ester, 9CI. *Benzylmorphine myristate. Leucodinine. Mirofina. Myricadine. Peronine myristate*

[467-18-5]



$C_{38}H_{51}NO_4$ M 585.825

Narcotic analgesic. Mp 41°.

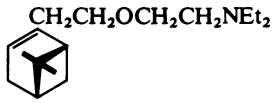
B,HCl: Mp 198-199°.

Cotereau, H.Y. *et al, C.R. Hebd. Seances Acad. Sci.*, 1956, **243**, 446 (*pharmacol*)
B.P., 751 994, (*1957*); *CA*, **51**, 7445f (*synth*)

Myrtecaine, INN **M-00478**

2-[2-(6,6-Dimethylbicyclo[3.1.1]hept-2-en-2-yl)-ethoxy]-N,N-diethylethanamine, 9CI. *2-[2-(6,6-Dimethyl-2-norpinen-2-yl)ethoxy]triethylamine,* 8CI. *Homomyrtenyl-β-(diethylamino)ethyl ether. Nopoxamine*

[7712-50-7]



$C_{17}H_{31}NO$ M 265.438

Local anaesthetic, spasmolytic agent. Bp_{2-3} 135-140°.

▷YE1695000.

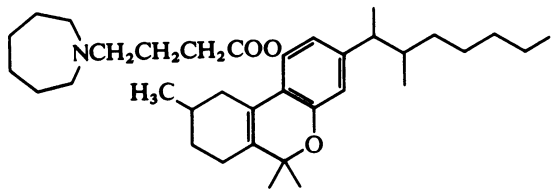
Baronnet, R. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 182 (*synth, tox, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12986.

N

Nabazenil, INN, USAN **N-00001**

Hexahydro-1H-azepine-1-butanoic acid 3-(1,2-dimethylheptyl)-7,8,9,10-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran-1-yl ester, 9CI. 3-(1,2-Dimethylheptyl)-7,8,9,10-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran-1-yl hexahydro-1H-azepine-1-butyrate, 8CI. SP-175

[58019-65-1]



$C_{35}H_{55}NO_3$ M 537.824

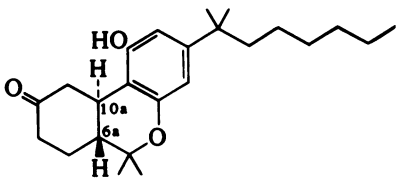
Anticonvulsant. Gum.

Razdan, R.K. *et al, J. Med. Chem.*, 1976, **19**, 454 (*synth, pharmacol*)

Nabilone, BAN, USAN, INN **N-00002**

3-(1,1-Dimethylheptyl)-6,6a,7,8,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-9H-dibenzo[b,d]pyran-9-one, 9CI. Cesamet. Cesametic

[51022-71-0]



$C_{24}H_{36}O_3$ M 372.547

Tranquilliser. Antiemetic agent used to reduce nausea associated with chemotherapy. Cryst. (EtOAc/hexane). Mp 159-160°.

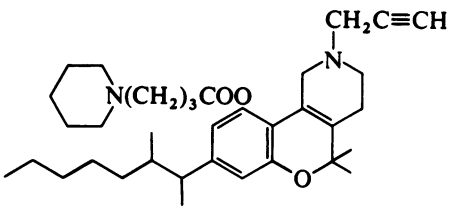
▷HP8756000.

Lemberger, L. *et al, Clin. Pharmacol. Ther.*, 1975, **18**, 720 (*pharmacol*)
U.S.P., 3 953 603, (*1976*); *CA*, **85**, 25405d (*synth*)
Archer, R.A. *et al, J. Org. Chem.*, 1977, **42**, 2277 (*synth*)
Souter, R.W., *Anal. Profiles Drug Subst.*, 1981, **10**, 499 (*rev, synth, props, pharmacol*)
Byrn, S.R. *et al, J. Pharm. Sci.*, 1985, **74**, 565 (*cmr*)
Ward, A. *et al, Drugs*, 1985, **30**, 127 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 843.

Nabitan **N-00003**

8-(1,2-Dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2H-[1]benzopyrano[4,3-c]-pyridin-10-yl 1-piperidinebutanoate, 9CI

[66556-74-9]



$C_{35}H_{52}N_2O_3$ M 548.807

Analgesic, sedative.

B,HCl: [49637-08-3]. *Nabitan hydrochloride, USAN. Benzopyranoperidine. Nabutan hydrochloride.* Mp 108-111°.

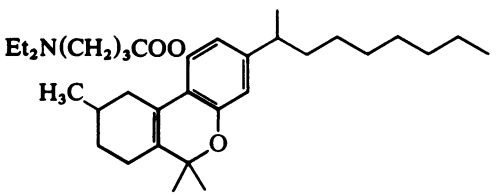
▷TM4962000.

Razdan, R.K. *et al, J. Med. Chem.*, 1976, **19**, 454 (*synth, pharmacol*)

Naboctate, INN **N-00004**

7,8,9,10-Tetrahydro-6,6,9-trimethyl-3-(methyloctyl)-6H-dibenzo[b,d]pyran-1-yl 4-(diethylamino)-butanoate, 9CI

[74912-19-9]



$C_{33}H_{53}NO_3$ M 511.787

Antiglaucoma agent, antinauseant. Used mainly as hydrochloride.

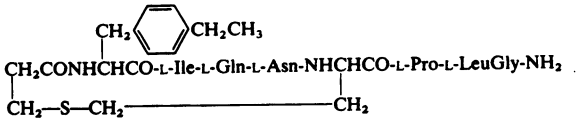
B,HCl: [73747-21-4]. *SP-325. Naboctate hydrochloride, USAN.*

Howes, J.F., *Cannabinoids: Chem., Pharmacol., Ther. Aspects*, 1982, 881.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12989.

Nacartocin, INN **N-00005**

1-(3-Mercaptopropanoic acid)-2-(4-ethyl-L-phenylalanine)-6-carbaoxytocin, 9CI. 1-(3-Mercaptopropionic acid)-2-[3-(p-ethylphenyl)-L-alanine]-6-(L-2-aminobutyric acid)oxytocin

[77727-10-7]



$C_{46}H_{71}N_{11}O_{11}S$ M 986.194

Oxytocin analogue. Natriuretic, uterotonic.

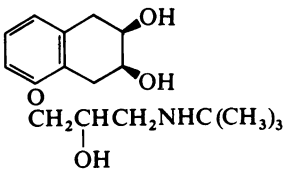
Skopkova, J. *et al, Dev. Endocrinol.*, 1980, **10**, 163 (*pharmacol*)

Fr. Pat., 2 485 527, (*1981*); *CA*, **97**, 39404n (*synth, pharmacol*)
Lebl, M., *J. Chromatogr.*, 1982, **242**, 342 (*chromatogr*)

Nadolol, BAN, USAN, INN N-00006

5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-1,2,3,4-tetrahydro-2,3-naphthalenediol, *9CI. Corgard. Anabet. Betadol. Nadic. Solgol*

[42200-33-9]



$C_{17}H_{27}NO_4$ M 309.405

▷QJ4870000.

***cis*-(±)-form**

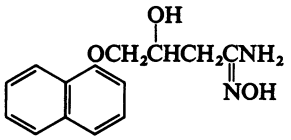
Antiadrenergic agent. Cryst. (C_6H_6). Mp 124-136°.

Condon, M.E. *et al*, *J. Med. Chem.*, 1978, **21**, 913 (*pharmacol, synth*)
Funke, P.T. *et al*, *J. Pharm. Sci.*, 1978, **67**, 653 (*ms*)
Heel, R.C. *et al*, *Drugs*, 1980, **1**, 1 (*pharmacol*)
Slusarek, L. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 455 (*rev*)
Matsutero, E. *et al*, *J. Chromatogr.*, 1981, **216**, 374 (*sepn*)
Aboul-Enein, H.Y. *et al*, *Spectrosc. Lett.*, 1983, **16**, 151 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6315.

Nadoxolol, INN N-00007

N,3-Dihydroxy-4-(1-naphthalenyloxy)butanimidamide, *9CI. 3-Hydroxy-4-(1-naphthyloxy)butyramidooxime. 4-(α-Naphthyloxy)-3-hydroxybutramidoxime*

[54063-51-3]



$C_{14}H_{16}N_2O_3$ M 260.292

Antiarrhythmic agent.

B,HCl: [35991-93-6]. *Bradyl. LL 1530.* Cryst. (Et_2O/MeOH). Mp 188°.

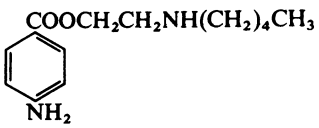
▷ES5222000.

U.S.P., 3 637 830, (*1972*); *CA*, **76**, 85597a (*synth*)
Duteil, J. *et al*, *Therapie*, 1973, **28**, 703 (*pharmacol*)
Ger. Pat., 2 453 745, (*1976*); *CA*, **85**, 62850r (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12992.

Naepaine N-00008

2-(Pentylamino)ethanol 4-aminobenzoate, *9CI. Amalcaine. Amylcaine. Amylsine*

[2188-67-2]



$C_{14}H_{22}N_2O_2$ M 250.340

Local anaesthetic. Mp 66°. Used mainly as hydrochloride.

▷DG3000000.

B,HCl: [614-42-6]. Rectangular plates or rods, bitter-tasting. Mp 153.5°, 176° (dimorph.).

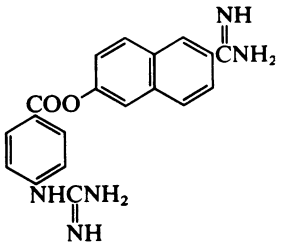
▷KL9900000.

Goldberg, S.D. *et al*, *J. Am. Chem. Soc.*, 1937, **59**, 2280 (*synth, tox, pharmacol*)
Kreider, H.R. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1227 (*struct*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 161; 1966, **16**, 1657 (*props*)
Norris, W.R. *et al*, *J. Pharm. Sci.*, 1965, **54**, 995 (*derivs*)

Nafamostat N-00009

4-(Aminoiminomethyl)amino]benzoic acid 6-(aminoiminoethyl)-2-naphthalenyl ester. 6-Amidino-2-naphthyl 4-guanidinobenzoate. Nafamstat

[81525-10-2]



$C_{19}H_{17}N_5O_2$ M 347.376

Anticomplement agent (protease inhibitor).

B,2HCl: [80251-32-7]. Cryst. (Me_2CO aq.). Mp 275° dec.

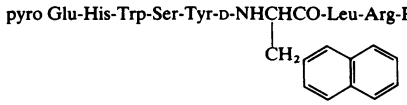
B,2MeSO$_3$H: [82956-11-4]. *Nafamostat mesilate. FUT 175.* Cryst. (H_2O). Mp 260° dec.

Fujii, S. *et al*, *Proteinase Inhib.*, 1983, 37 (*rev, pharmacol*)
Aoyama, T. *et al*, *Jpn. J. Pharmacol.*, 1984, **35**, 203 (*pharmacol*)
Aoyama, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 1458 (*synth, pharmacol*)
Oka, T. *et al*, *Life Support Syst.*, 1986, **4**, 195 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1775.

Nafarelin, BAN, INN N-00010

6-[3-(2-Naphthalenyl)-D-alanine]luteinizing hormone-releasing factor, *9CI*

[76932-56-4]



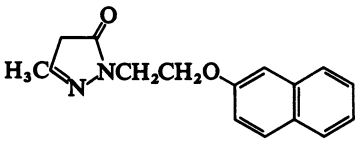
$C_{66}H_{83}N_{17}O_{13}$ M 1322.488

Gonadorelin analogue. LHRH agonist. Contraceptive.

B,AcOH: [76932-60-0]. *Nafarelin acetate*, *USAN. RS 94991-298.* Mp 188-190°. $[\alpha]_D^{25}$ −27.4° (c, 0.9 in AcOH).

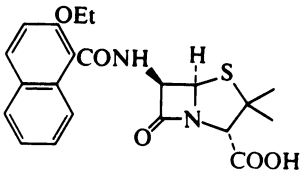
Nestor, J.J. *et al*, *J. Med. Chem.*, 1982, **25**, 795 (*synth, pharmacol*)
Chan, R.L. *et al*, *Drug Metab. Dispos.*, 1985, **13**, 566 (*metab*)
Nilius, S.J. *et al*, *J. Steroid Biochem.*, 1985, **23**, 779, 849 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16907.

Nafazatrom, BAN, INN **N-00011**
2,4-Dihydro-5-methyl-2-[2-(2-naphthalenyloxy)ethyl]-3H-pyrazol-3-one, 9CI. 3-Methyl-1-[2-(2-naphthyloxy)-ethyl]-5-pyrazolone. Bay g 6575
[59040-30-1]



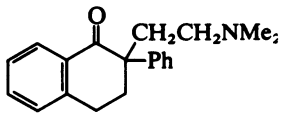
$C_{16}H_{16}N_2O_2$ M 268.315
Antithrombotic, antimetastatic.
Seuter, F. *et al, Arzneim.-Forsch.*, 1979, **29**, 54 (*pharmacol*)
Seuter, F. *et al, New Cardiovasc. Drugs*, 1986, 163 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12993.

Nafcillin, BAN, INN **N-00012**
2-Ethoxy-1-naphthylpenicillin. 6-(2-Ethoxy-1-naphthamido)penicillanic acid
[7177-50-6]



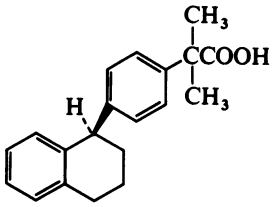
$C_{21}H_{22}N_2O_5S$ M 414.475
[2*S*-(2α,5α,6β)]-*form* [147-52-4]
Semisynthetic Penicillin. Stable to staphylococcal β-lactamase.
Na salt: [985-16-0]. *Nafcillin sodium, USAN, INN. Nafcil. Unipen. Wy 3277. Antibiotic Wy 3277. Naftopen. Nallpen. Sodium nafcillin, INN.* Needles + $1H_2O$. $[\alpha]_D^{23}$ +198° (c, 1.2 in H_2O).
▷XI0175000.
B.P., 880 400, (*1961*); *CA*, **57**, 13763 (*synth*)
Brain, E.G. *et al, J. Chem. Soc.*, 1963, 491 (*synth*)
Walkenstein, S.S. *et al, J. Pharm. Sci.*, 1963, **52**, 763 (*metab*)
Glassman, J.M. *et al, Toxicol. Appl. Pharmacol.*, 1964, **6**, 1220 (*pharmacol*)
Branpain, P.C. *et al, J. Med. Chem.*, 1980, **23**, 1283 (*cryst struct*)
Ohashi, M. *et al, J. Pharm. Sci.*, 1983, **72**, 508 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 110.

Nafenodone, INN **N-00013**
2-[2-(Dimethylamino)ethyl]-3,4-dihydro-2-phenyl-1(2H)-naphthalenone, 9CI



$C_{20}H_{23}NO$ M 293.408
(+)-*form* [92629-87-3]
Cryst. (MeOH). Mp 64-66°. $[\alpha]_{589}^{20}$+249° (c, 0.03 in MeOH).
B,HCl: [94096-42-1]. Mp 231-232°.
(−)-*form* [92615-38-8]
$[\alpha]_{589}^{20}$−246° (c, 0.03 in MeOH).
B,HCl: [92615-39-9]. Mp 231-232°.
(±)-*form* [92615-20-8]
Antidepressant. Cryst. (Et_2O/hexane). Mp 71-72°.
B,HCl: [92615-21-9]. Cryst. (EtOH). Mp 214-216°.
Ger. Pat., 3 243 518, (*1984*); *CA*, **101**, 191399 (*synth, resoln*)

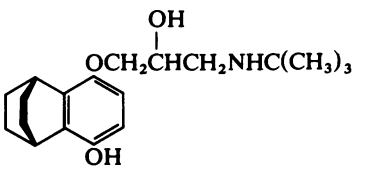
Nafenopin, BAN, USAN, INN **N-00014**
2-Methyl-2-[4-(1,2,3,4-tetrahydro-1-naphthalenyl)-phenoxy]propanoic acid, 9CI. Melipan. Nafenoic acid. SU 13437
[3771-19-5]



(*R*)-*form*
Absolute configuration

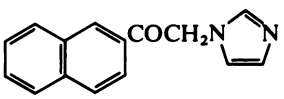
$C_{20}H_{22}O_3$ M 310.392
▷UF6125000.
(*R*)-*form* [32147-36-7]
Antilipidaemic agent. Cryst. (EtOH aq.). Mp 117-118°. $[\alpha]_D^{25}$ −27° (c, 1.42 in MeOH).
Bencze, W.L. *et al, Tetrahedron*, 1970, **26**, 5407 (*synth, config, ord*)
Bianchine, J.R. *et al, Clin. Pharmacol. Ther.*, 1970, **11**, 97 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1351.

Nafetolol, INN **N-00015**
1-(tert-Butylamino)-3-[(1,2,3,4-tetrahydro-8-hydroxy-1,4-ethanonaphthalen-5-yl)oxy]-2-propanol, 8CI. K 5407
[42050-23-7]



$C_{19}H_{29}NO_3$ M 319.443
(±)-*form*
β-Adrenergic blocking agent.
B,HCl: [42050-24-8]. Mp 232-234°.
Vecchietti, V. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 501.

Nafimidone, INN **N-00016**
2-(1H-Imidazol-1-yl)-1-(2-naphthalenyl)ethanone, 9CI. 2-Imidazol-1-yl-2'-acetonaphthone. 1-Imidazolylmethyl 2-naphthyl ketone
[64212-22-2]

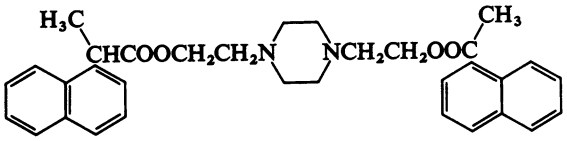


$C_{15}H_{12}N_2O$ M 236.273
Anticonvulsant.
B,HCl: [70891-37-1]. *Nafimidone hydrochloride, USAN. RS 81943.* Cryst. (Me_2CO/MeOH). Mp 226-228°.
B,HNO₃: [64212-23-3].
Tajana, A. *et al, Boll. Chim. Farm.*, 1981, **120**, 185 (*synth, pharmacol*)
Walker, K.A. *et al, J. Med. Chem.*, 1981, **24**, 67 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19553.

Nafiverine, INN **N-00017**

α-Methyl-1-naphthaleneacetic acid 1,4-piperazinediyldi-2,1-ethanediyl ester, 9CI. *1,4-Piperazinediethanol bis(α-methyl-1-naphthaleneacetate).* N,N-*Bis*[[2-(1-naphthyl)]*propionyloxy*]-2-*ethylpiperazine. Naftidan*

[5061-22-3]



$C_{34}H_{38}N_2O_4$ M 538.685

Antispasmodic drug.

B,2HCl: [5051-16-1]. *Nafiverine hydrochloride. DA 914. Naftimepezine. Naphthymepezine.* Mp 220-221°.

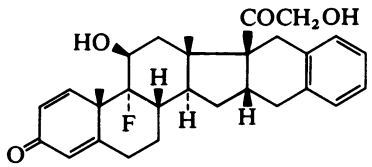
▷QJ1230000.

B.P., 1 016 968, (*1966*); *CA*, **64**, 11225f (*synth*)
Pala, C. *et al*, *Farmaco, Ed. Sci.*, 1967, **22**, 3 (*resoln*)
Turba, C. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 386 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12994.

Naflocort, USAN, INN **N-00018**

9-Fluoro-1′,4′-dihydro-11β,21-dihydroxy-2′-βH-naphtho[2′,3′:16,17]pregna-1,4-diene-3,20-dione, 9CI. *SQ26490*

[59497-39-1]



$C_{29}H_{33}FO_4$ M 464.576

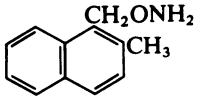
Topical adrenocorticoid steroid, antiinflammatory agent. Cryst. + $1H_2O$ ($CHCl_3$/MeOH). Mp 293-294°.

U.S.P., 3 937 720, (*1976*); *CA*, **85**, 21722g (*synth, pharmacol*)

Nafomine, INN **N-00019**

O-[(*2-Methyl-1-naphthyl*)*methyl*]*hydroxylamine. 1-Aminoxymethyl-2-methylnaphthalene*

[46263-35-8]



$C_{12}H_{13}NO$ M 187.241

Muscle relaxant. Also used as maleate (Nafomine maleate, USAN).

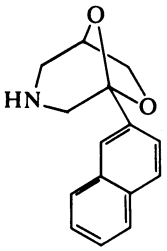
B,HCl: Cryst. (MeOH/MeCN). Mp 198-199°.

U.S.P., 3 284 299, (*1966*); *CA*, **65**, 669 (*synth*)

Nafoxadol, INN **N-00020**

5-(2-Naphthalenyl)-6,8-dioxa-3-azabicyclo[3.2.1]-octane, 9CI

[84145-90-4]



$C_{15}H_{15}NO_2$ M 241.289

Analgesic.

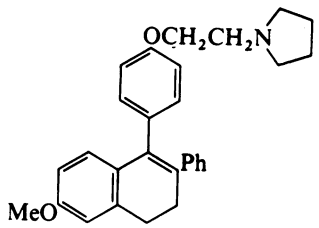
B,HCl: [84509-31-9]. Mp 210°.

B.P., 2 096 998, (*1982*); *CA*, **98**, 72148a (*synth, pharmacol*)

Nafoxidine, INN **N-00021**

1-[2-[4-(3,4-Dihydro-6-methoxy-2-phenyl-1-naphthalenyl)phenoxy]ethyl]pyrrolidine, 9CI. *1-[2-[p-(3,4-Dihydro-6-methoxy-2-phenyl-1-naphthyl)-phenoxy]ethyl]pyrrolidine,* 8CI

[1845-11-0]



$C_{29}H_{31}NO_2$ M 425.569

Antioestrogen.

▷UY0880000.

B,HCl: [1847-63-8]. *Nafoxidine hydrochloride,* USAN. *NSC 70735. U 11100A.* Mp 164-167°.

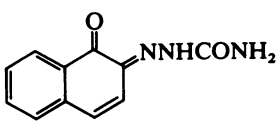
▷UY0881100.

Lednicer, D. *et al*, *J. Med. Chem.*, 1967, **10**, 78 (*synth, pharmacol*)
Camerman, N. *et al*, *J. Med. Chem.*, 1980, **23**, 941 (*cryst struct*)
Crawley, G., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1980, **12**, 658 (*rev*)
Bindal, R.D. *et al*, *Synthesis*, 1982, **5**, 405 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1854.

Naftazone, BAN, INN **N-00022**

2-[1-Oxo-2(1H)-naphthalenylidene]-hydrazinecarboxamide, 9CI. *1,2-Naphthoquinone-2-semicarbazone. Flegmasil. Haemostop. Karbinone. Mediaven. Metorene*

[15687-37-3]



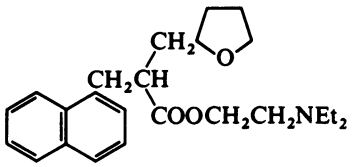
$C_{11}H_9N_3O_2$ M 215.211

Haemostatic agent. Red-brown cryst. Mp 185-187°.

Beaudet, C. *et al*, *CA*, 1970, **73**, 87678 (*synth, props*)
Ueda, T. *et al*, *Yakugaku Zasshi*, 1971, **91**, 1244 (*synth*)
Delwaide, P.A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1974, **208**, 357 (*props*)
Alhadeff, M., *Drugs of Today*, 1977, **13**, 538 (*rev*)

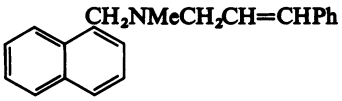
Bressolle, F. *et al*, *Farmaco, Ed. Prat.*, 1985, **40**, 187 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1724.

Naftidrofuryl, BAN, INN **N-00023**
Tetrahydro-α-(1-naphthalenylmethyl)-2-furanpropanoic acid 2-(diethylamino)ethyl ester, 9CI. *Nafronyl*
[31329-57-4]



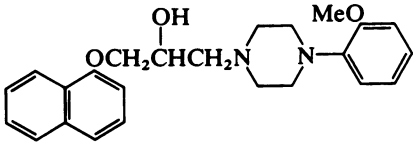
$C_{24}H_{33}NO_3$ M 383.530
Vasodilator. Oil. $Bp_{0.5}$ 190°.
▷LU5800000.
Oxalate: [3200-06-4]. *Praxilene. Nafronyl oxalate,* USAN. *Naftidrofuryl oxalate. Naftifurine oxalate. Other synonyms.* Mp 110-111°.
▷LU5805000.
Szarvasi, E. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 1838 (*synth*)
Heindrich, H. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1001 (*pharmacol*)
Beghi, E. *et al*, *Clin. Pharmacol. Drug Epidemiol.*, 1979, **2**, 211 (*rev*)
Garrett, E.R. *et al*, *J. Pharm. Sci.*, 1984, **73**, 635 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7174.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9256.

Naftifine, BAN, INN **N-00024**
N-Methyl-N-(3-phenyl-2-propenyl)-1-naphthalenemethanamine, 9CI. *Cinnamyl(methyl)(1-naphthylmethyl)amine. AW 105-843. Exoderil. Naftifungin. SN105-843*



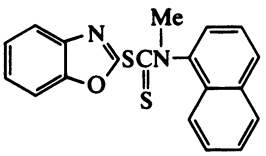
$C_{21}H_{21}N$ M 287.404
$Bp_{0.015}$ 162-167°.
(E)-form [65472-88-0]
Antifungal agent.
B,HCl: [65473-14-5]. *Naftifine hydrochloride,* USAN. Cryst. (propanol). Mp 177°.
B.P., 1 579 879, (*1977*); *CA*, **88**, 62215z (*synth, pharmacol*)
Georgopoulos, A. *et al*, *Antimicrob. Agents Chemother.*, 1981, **19**, 386, 390 (*pharmacol*)
Ryder, N.S. *In Vitro In Vivo Eval. Antifungal Agents, Proc. Int. Symp.*, 1985, 89 (*rev*)
Stütz, A. *et al*, *J. Med. Chem.*, 1986, **29**, 112 (*synth*)
Stütz, A., *Angew. Chem., Int. Ed. Engl.*, 1987, **26**, 320 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12995.

Naftopidil, INN **N-00025**
1-[4-(2-Methoxyphenyl)-1-piperazinyl]-3-(2-naphthyloxy)-2-propanol. BU 15275
[57149-07-2]



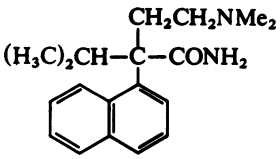
$C_{24}H_{28}N_2O_3$ M 392.497
(±)-form
Antihypertensive agent, vasodilator. Cryst. (2-propanol). Mp 125-129°.
U.S.P., 3 997 666, (*1976*); *CA*, **83**, 179122e (*synth*)
Anon., *Drugs Future*, 1987, **12**, 31 (*rev*)

Naftoxate, INN **N-00026**
3-Benzoxazolyl methyl-1-naphthalenylcarbamodithioate. 2-Benzoxazolyl N-methyldithio-1-naphthalenecarbamate, 8CI. *K-F 224*
[28820-28-2]



$C_{19}H_{14}N_2OS_2$ M 350.452
Fungicide. Cryst. (C_6H_6/EtOH). Mp 171-173°.
Ger. Pat., 2 028 528, (*1971*); *CA*, **76**, 59600t (*synth, pharmacol*)

Naftypramide, INN **N-00027**
α-[2-(Dimethylamino)ethyl]-α-(1-methylethyl)-1-naphthaleneacetamide, 9CI. *α-Isopropyl-α-[2-(dimethylamino)ethyl]-1-naphthaleneacetamide,* 8CI. *Naftipramide. Naphthypramide. DA 992*
[1505-95-9]

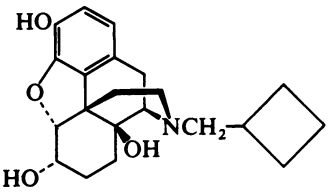


$C_{19}H_{26}N_2O$ M 298.427
▷QJ0700000.
(±)-form
Antiinflammatory agent. Mp 134°.
Casadio, S. *et al*, *J. Med. Chem.*, 1965, **8**, 594 (*synth, pharmacol*)
Coppi, G., *Arch. Int. Pharmacodyn. Ther.*, 1966, **162**, 378, 398, 413, 422 (*pharmacol*)
Marazzi-Uberti, E. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1451 (*tox*)
Lumachi, B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **186**, 66 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12996.

Nalbuphine, BAN, INN **N-00028**

17-(Cyclobutylmethyl)-4,5α-epoxymorphinan-3,6α,14-triol, 9CI

[20594-83-6]



$C_{21}H_{27}NO_4$ M 357.449

Analgesic, narcotic antagonist. Cryst. (MeOH/Me_2CO). Mp 230.5°.

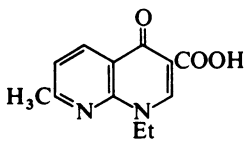
B,HCl: [23277-43-2]. *En 2234A. Nalbuphine hydrochloride,* USAN. *Nubain.*

B.P., 1 119 270, (*1968*); *CA*, **69**, 87282q (*synth*)
Elliot, H.W. *et al, J. Med.* (*Basel*), 1970, **1**, 74 (*pharmcol*)
Brouant, P. *et al, Ann. Pharm. Fr.*, 1979, **37**, 461 (*conformn, cryst struct*)
Miller, R.R., *Am. J. Hosp. Pharm.*, 1980, **37**, 942 (*rev*)
Errick, J.K. *et al, Drugs*, 1983, **26**, 191 (*activity, toxicity*)
Fahmy, N.R., *Clin. Anaesthesiol.*, 1983, **1**, 164 (*rev*)
Olofson, R.A. *et al, J. Org. Chem.*, 1984, **49**, 2081 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6244.

Nalidixic acid, BAN, USAN, INN, JAN **N-00029**

1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid, 9CI. *Negram. Wintomylon. Cybis. Nalidixanum. Nalidixin. Numerous proprietary names*

[389-08-2]



$C_{12}H_{12}N_2O_3$ M 232.238

Antibacterial agent. Pale buff cryst. Sol. $CHCl_3$, mod. sol. EtOH, MeOH. Mp 229-230°.

▷QN2885000.

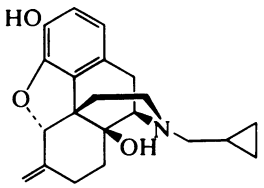
Na salt, monohydrate: [15769-77-4]. *Nalidixate sodium,* USAN. *WIN 18320-3.*

Lesher, G.Y. *et al, J. Med. Chem.*, 1962, **5**, 1063.
Santielli, A.A. *et al, J. Med. Chem.*, 1975, **18**, 1038 (*synth*)
Lesher, G.Y., *Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1978, **2**, 782 (*rev*)
Grubb, P.E., *Anal. Profiles Drug Subst.*, 1979, **8**, 371 (*rev*)
Huber, C.P. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 497 (*cryst struct*)
Koch, H. *et al, Pharm. Int.*, 1980, **1**, 108 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2267.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5663.

Nalmefene, USAN, INN **N-00030**

17-(Cyclopropylmethyl)-4,5α-epoxy-6-methylenemorphinan-13,17-diol, 9CI. *6-Deoxy-6-methylenenaltrexone. Nalmetrene. JF 1. ORF 11676*

[55096-26-9]



$C_{21}H_{25}NO_3$ M 339.433

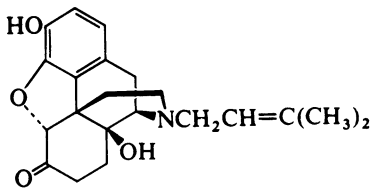
Analgesic, narcotic antagonist. Mp 188-189°.

Hahn, E.F. *et al, J. Med. Chem.*, 1975, **18**, 259 (*synth, ir, nmr, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19554.

Nalmexone, INN **N-00031**

4,5α-Epoxy-3,14-dihydroxy-17-(3-methyl-2-butenyl)-morphinan-6-one, 9CI, 8CI

[16676-26-9]



$C_{21}H_{25}NO_4$ M 355.433

Analgesic, narcotic antagonist. Mp 265.5°.

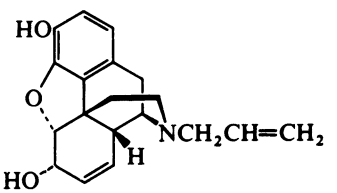
B,HCl: [16676-27-0]. *Nalmexone hydrochloride,* USAN. *EN 1620A. UM 592.* Mp 264-265°.

U.S.P., 3 332 950, (*1967*); *CA*, **67**, 100300a (*synth, pharmacol*)
Loew, G.H. *et al, J. Med. Chem.*, 1978, **21**, 101 (*conformn*)

Nalorphine, BAN, INN **N-00032**

7,8-Didehydro-4,5α-epoxy-17-(2-propenyl)morphinan-3,6α-diol, 9CI. *17-Allyl-7,8-didehydro-4,5α-epoxymorphinan-3,6α-diol,* 8CI. *N-Allylnormorphine. Acetorphin. Allorphine. Anarcon. Antorfin. Antorphin. Nalorfin*

[62-67-9]



Absolute configuration

$C_{19}H_{21}NO_3$ M 311.380

Narcotic antagonist. Sol. dil. alkalis. Mp 208-209°. $[\alpha]_D^{25}$ −155.3° (MeOH).

▷QC7700000.

B,HBr: [1041-90-3]. *Lethidrone.* Sol. H_2O. Mp 258-259° dec.

B,HCl: [57-29-4]. *Nalorphine hydrochloride,* USAN. *Miromorfalil. Naline.* Sol. H_2O. Mp 260-263°.

▷QC7710000.

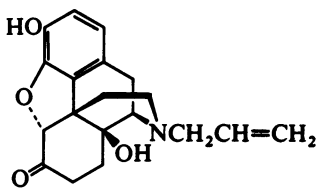
Di-O-Ac: [2748-74-5]. ***Diacetylnalorphine, BAN.***
$C_{23}H_{25}NO_5$ M 395.454
Narcotic analgesic. Antidote. Rhombs. (EtOH). Mp 134-135°.

Di-O-Ac; B,HCl: Needles (EtOH). Mp 227-229°.
Dinicotinoyl: [3194-25-0]. ***Nalorphine dinicotinate***. *Niconalorphine. Nimelan.*
$C_{31}H_{27}N_3O_5$ M 521.571
Narcotic antagonist.
Dinicotinoyl; B,HCl: Cryst. (EtOH). Mp 238-239°.

Jacobson, A.E. *et al, Chemical and Biological Aspects of Drug Dependency, (Mule, S.T., Ed.)*, CRC Press, 101 (*rev, pharmacol*)
Weijlard, J. *et al, J. Am. Chem. Soc.*, 1942, **64**, 869 (*synth*)
Green, A.F. *et al, J. Pharm. Pharmacol.*, 1954, **6**, 390 (*deriv*)
Lasagna, L., *Arch. Intern. Med.*, 1954, **94**, 532 (*rev*)
Pongratz, A. *et al, Monatsh. Chem.*, 1960, **91**, 396 (*deriv*)
Payne, J.P., *Br. J. Anaesth.*, 1973, **45** (*Suppl.*), 794 (*rev*)
Olofson, R.A. *et al, Tetrahedron Lett.*, 1977, 1571 (*synth*)
Gelders, Y.G. *et al, Cryst. Struct. Commun.*, 1979, **8**, 995 (*cryst struct*)
Crone, T.A. *et al, Anal. Chem.*, 1981, **53**, 17 (*cd*)
Eliel, E.L. *et al, Org. Magn. Reson.*, 1984, **22**, 258 (*cmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7304.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1970.

Naloxone, BAN, INN, JAN N-00033

4,5α-Epoxy-3,14-dihydroxy-17-(2-propenyl)-morphinan-6-one, 9CI. 17-Allyl-4,5α-epoxy-3,14-dihydroxymorphinan-6-one, 8CI. N-*Allyl-7,8-dihydro-14-hydroxynormorphinone*
[465-65-6]



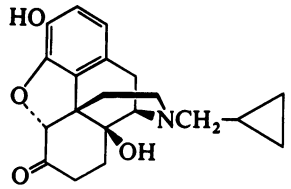
Absolute configuration

$C_{19}H_{21}NO_4$ M 327.379
Narcotic antagonist. Sol. $CHCl_3$, insol. pet. ether. Mp 177-178° (184°). $[\alpha]_D^{25}$ −200° (c, 1 in $CHCl_3$).
▷QD2260000.
B,HCl: [357-08-4]. *Naloxone hydrochloride, USAN. Nalonee. Narcan. Narcanti. EN 1530.* Cryst. (EtOH/Et_2O). Sol. H_2O, insol. Et_2O. Mp 200-205°.
▷QD2275000.

B.P., 955 493, (*1964*); *CA*, **61**, 4410 (*synth*)
Sime, R.L., *Acta Crystallogr., Sect. B*, 1975, **31**, 4410 (*cryst struct*)
Jacob, J.J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1976, **222**, 332 (*pharmacol*)
Crabbendam, P.R. *et al, Recl. Trav. Chim. Pays-Bas*, 1983, **102**, 135 (*synth, pmr*)
McNicholas, L.F. *et al, Drugs*, 1984, **29**, 81 (*rev, pharmacol*)
Milne, B. *et al, Can. Anaesth. Soc. J.*, 1984, **31**, 272 (*rev*)
Hassan, M.M.A. *et al, Anal. Profiles Drug Subst.*, 1985, **14**, 453 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7306.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1970.

Naltrexone, BAN, USAN, INN N-00034

17-(Cyclopropylmethyl)-4,5α-epoxy-3,14-dihydroxymorphinan-6-one, 9CI, 8CI
[16590-41-3]

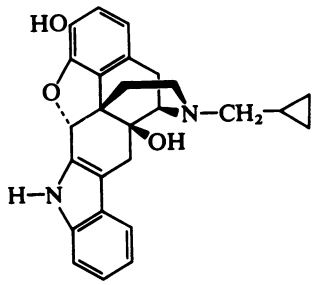


$C_{20}H_{23}NO_4$ M 341.406
Narcotic antagonist. Cryst. (Me_2CO). Mp 168-170°.
▷QD2155000.
B,HCl: [16676-29-2]. *Antaxone. EN 1639A. Nalonex. Trexan. UM 792.* Cryst. (MeOH). Mp 274-276°.
▷QD2160000.

U.S.P., 3 332 950, (*1967*); *CA*, **67**, 100301a (*synth, pharmacol*)
Carroll, F.I. *et al, J. Org. Chem.*, 1976, **41**, 996 (*cmr*)
Gritz, E.R. *et al, Clin. Pharmacol. Ther.*, 1976, **19**, 773 (*pharmacol*)
Loew, G.H. *et al, J. Med. Chem.*, 1978, **21**, 101 (*conformn*)
Kotick, M.P. *et al, J. Med. Chem.*, 1981, **24**, 1445 (*synth, metab*)
Pinkert, T.M. *et al, Clin. Anaesthesiol.*, 1983, **1**, 168 (*rev, pharmacol*)
Christian, M.S., *J. Clin. Psychiatry*, 1984, **45**, 7 (*rev, toxicol*)
Crabtree, B.L. *et al, Clin. Pharm.*, 1984, **3**, 273 (*rev, pharmacol*)
Olafson, R.A. *et al, J. Org. Chem.*, 1984, **49**, 2081 (*synth*)
Wall, M.E. *et al, Drug Metab. Dispos.*, 1984, **12**, 677 (*metab*)
Burke, T.R. *et al, Heterocycles*, 1985, **23**, 99 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7307.

Naltrindole N-00035

7-(Cyclopropylmethyl)-5,6,7,8,14,14b-hexahydro-4,8-methanobenzofuro[2,3-a]pyrido[4,3-b]carbazole-1,8a(9H)-diol, 9CI
[111555-53-4]



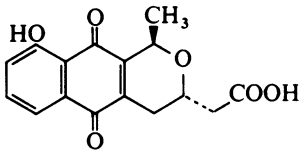
$C_{26}H_{26}N_2O_3$ M 414.503
Delta opioid antagonist.
B,HCl: [111469-81-9]. Mp 270° dec.

Portoghese, P. *et al, Eur. J. Pharmacol.*, 1988, **146**, 185.
Portoghese, P. *et al, J. Med. Chem.*, 1988, **31**, 281.

Nanaomycin *A* N-00036

3,4,5,10-Tetrahydro-9-hydroxy-1-methyl-5,10-dioxo-1H-naphtho[2,3-c]pyran-3-acetic acid. ***Nanafrocin, INN.*** *OS 3966A. Antibiotic OS 3966A*

[52934-83-5]



$C_{16}H_{14}O_6$ M 302.283

Naphthoquinone antibiotic. Isol. from *Streptomyces rosa*. Inhibits gram-positive bacteria, fungi and mycoplasma and weakly active against yeasts. Orange needles (EtOH). Mp 178-180°. $[\alpha]_D^{26}$ −27.5° (c, 1 in MeOH).

▷QL6127000.

Me ester: [58286-56-9]. ***Nanaomycin αA.*** *OM 173αA. OM 173α$_1$. Antibiotic OM 173αA. Antibiotic OM-173α$_1$.*

$C_{17}H_{16}O_6$ M 316.310

Prod. by *S.* sp. Active against gram-positive bacteria, mycoplasmas, fungi and yeasts. Yellow powder. Mp 100-101°. $[\alpha]_D^{20}$ −15° (c, 1 in $CHCl_3$).

Amide: [58286-55-8]. ***Nanaomycin C.***

$C_{16}H_{15}NO_5$ M 301.298

Prod. by *S. rosa*. Active against gram-positive bacteria, some fungi and mycobacteria. Orange needles (EtOH). Mp 222-224° dec. $[\alpha]_D^{26}$ −2° (c, 0.5 in dioxan). λ_{max} 248 (ε 10 000), 274 (12 400) and 424 nm (4 610) (MeOH).

Alcohol: [88293-09-8]. ***Nanaomycin βA.*** *OM 173βA. OM 173β$_1$. Antibiotic OM 173βA. Antibiotic OM 173β$_1$.*

$C_{16}H_{16}O_5$ M 288.299

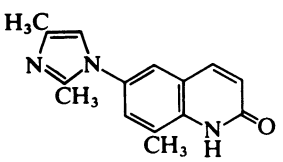
Prod. by *S.* sp. Active against gram-positive bacteria, mycoplasmas, fungi and yeasts. Yellow cryst. Mp 149-150°. $[\alpha]_D^{20}$ −1.2° (c, 1 in $CHCl_3$). Contains $-CH_2CH_2OH$ side-chain.

Omura, S. *et al, J. Antibiot.*, 1974, **27**, 363 (*isol*)
Tanaka, H. *et al, J. Antibiot.*, 1975, **28**, 860, 868 (*isol, props, struct, biosynth*)
Tanaka, H. *et al, J. Antibiot.*, 1975, **28**, 925 (*deriv*)
Li, T.-T. *et al, J. Am. Chem. Soc.*, 1978, **100**, 6263 (*synth*)
Iwai, Y. *et al, J. Antibiot.*, 1983, **36**, 1268 (*isol, derivs*)
Kometani, T. *et al, J. Org. Chem.*, 1983, **48**, 2630 (*synth*)
Japan. Pats., 84 48 484, 84 48 478, 84 48 477, (*1984*); *CA*, **101**, 88834, 88835, 88836 (*isol*)
Semmelhack, M.F. *et al, Tetrahedron*, 1985, **41**, 5803 (*synth*)
Tatsuta, K. *et al, Bull. Chem. Soc. Jpn.*, 1985, **58**, 1699 (*synth*)
Yoshii, E. *et al, Chem. Pharm. Bull.*, 1985, **33**, 4779 (*synth*)
Kraus, G.A *et al, J. Chem. Soc., Chem. Commun.*, 1986, 1568 (*synth*)
Decker, O.H.W. *et al, J. Org. Chem.*, 1987, **26**, 1174 (*synth*)
Kraus, G.A. *et al, J. Org. Chem.*, 1987, **52**, 1273 (*synth*)

Nanterinone, BAN N-00037

6-(2,4-Dimethyl-1H-imidazol-1-yl)-8-methyl-2(1H)-quinolinone, 9CI

[102791-47-9]



$C_{15}H_{15}N_3O$ M 253.303

Cardiac stimulant, inotropic. Cryst. (EtOAc/MeOH). Mp 322.5-325°.

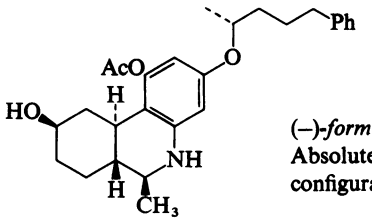
B,MeSO$_3$H: [102791-74-2]. *UK 61260-27.* Mp 282-284°.

Eur. Pat., 166 533, (*1986*); *CA*, **105**, 115061 (*synth, pharmacol*)

Nantradol, INN N-00038

5,6,6a,7,8,9,10,10a-Octahydro-6-methyl-3-(1-methyl-4-phenylbutoxy)-1,9-phenanthridinediol 1-acetate, 9CI

[65511-41-3]



(−)-*form* Absolute configuration

$C_{27}H_{35}NO_4$ M 437.578

(−)-***form*** [71048-87-8]

Levonantrodol, BAN, INN

Analgesic, antiemetic.

B,HCl: [70222-86-5]. *Levonantradol hydrochloride, USAN. CP 50556-1. NSC 331615.*

(±)-***form***

Analgesic.

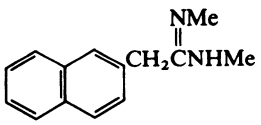
B,HCl: [65511-42-4]. *Nantradol hydrochloride, USAN. CP 44001-1.*

Ger. Pat., 2 722 383, (*1976*); *CA*, **88**, 89533p (*synth, pharmacol*)
Milne, G.M. *et al, NIDA Res. Monogr.*, 1979, **27**, 84 (*pharmacol*)
Johnson, M.R. *et al, J. Heterocycl. Chem.*, 1980, **17**, 1817 (*synth*)
McIlhenny, H.M. *et al, J. Pharmacol. Exp. Ther.*, 1981, **219**, 363 (*pharmacol*)
Howlett, A.C. *et al, Mol. Pharmacol.*, 1984, **26**, 532 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12896.

Napactadine, INN N-00039

N,N′-*Dimethylnaphthaleneethanimidamide, 9CI.* N,N′-*Dimethyl-2-naphthaleneacetamidine, 8CI*

[76631-45-3]



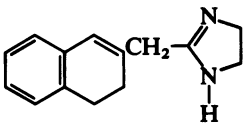
$C_{14}H_{16}N_2$ M 212.294

Antidepressant.

B,HCl: [57166-13-9]. *Napactadine hydrochloride, USAN. DL-588.* Cryst. (2-propanol). Mp 223.5-224.5°.

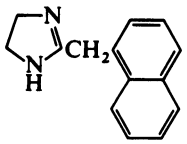
U.S.P., 3 903 163, (*1975*); *CA*, **83**, 192933q (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12999.

Napamezole, INN **N-00040**
2-[(3,4-Dihydro-2-naphthalenyl)methyl]-4,5-dihydro-1H-imidazole, 9CI. 2-[(3,4-Dihydro-2-naphthyl)-methyl]-2-imidazoline
[91524-14-0]



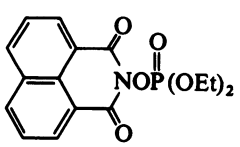
$C_{14}H_{16}N_2$ M 212.294
Antidepressant.
B,HCl: [87495-33-8]. *Napamezole hydrochloride, USAN. Win 51181-2.* Mp 235-237°.
Wentland, M.P. *et al, J. Med. Chem.*, 1987, **30**, 1482 (*synth, pharmacol*)

Naphazoline, BAN, INN **N-00041**
4,5-Dihydro-2-(1-naphthalenylmethyl)-1H-imidazole, 9CI. 2-(1-Naphthylmethyl)-2-imidazoline, 8CI
[835-31-4]



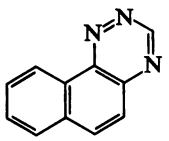
$C_{14}H_{14}N_2$ M 210.278
Vasoconstrictor, sympathomimetic agent. Nasal decongestant.
▷NJ4200000.
B,HCl: [550-99-2]. *Naphazoline hydrochloride, USAN. Naphcon. Nafazolin. Naphtazoline. Naphthizin. Numerous proprietary synonyms. Albalon liquifilm.* Sol. H_2O, EtOH, insol. C_6H_6, Et_2O. Mp 255-260°.
▷NJ4375000.
B,HNO₃: [5144-52-5].
▷NJ4376000.
Danish Pat., 62 889, (*1945*); *CA*, **40**, 4398 (*synth*)
Villa, L. *et al, Farmaco, Ed. Sci.*, 1967, **22**, 491 (*pharmacol*)
Kracmar, J. *et al, Cesk. Farm.*, 1972, **21**, 48 (*uv*)
Pullman, B. *et al, J. Med. Chem.*, 1972, **15**, 17 (*struct*)
Piskov, V.B. *et al, Khim. Prir. Soedin.*, 1976, **8**, 1112 (*synth*)
De Jong, A.P. *et al, J. Med. Chem.*, 1979, **22**, 1290 (*struct*)
Podder, A. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 495 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3087.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2085, 2086.

Naphthalophos, BAN **N-00042**
2-[(Diethoxyphosphinyl)oxy]-1H-benz[de]isoquinoline-1,3(2H)-dione, 9CI. N-Hydroxynaphthalimide diethyl phosphate, 8CI. **Naftalofos,** *USAN, INN. Maretin. Rametin. Bayer 9002. E 9002. ENT 25567. S940. Phthalophos*
[1491-41-4]



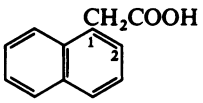
$C_{16}H_{16}NO_6P$ M 349.279
Veterinary anthelmintic and nematocide. Also metab. of corresponding thiophosphate, Bayer 22408. Cryst. (EtOH). Mp 115-116°, Mp 174-179°.
▷QK5775000.
Ger. Pat., 962 608, (*1957*); *CA*, **51**, 15588 (*synth*)
Gatterdan, P.E. *et al, J. Econ. Entomol.*, 1962, **55**, 326 (*pharmacol*)
Werbel, L.M. *et al, J. Med. Chem.*, 1966, **10**, 32 (*synth*)
Gupta, S.P. *et al, Indian J. Chem., Sect. B*, 1977, **15**, 731 (*struct, activity*)
Himel, C.M. *et al, Pestic. Biochem. Physiol.*, 1982, **17**, 103 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13000.

Naphtho[2,1-e]-1,2,4-triazine, 9CI **N-00043**
1,3,4-Triazaphenanthrene
[230-35-3]



$C_{11}H_7N_3$ M 181.196
Shows antiinflammatory activity. Mp 124-125°.
Fusco, R. *et al, Gazz. Chim. Ital.*, 1957, **87**, 438 (*synth*)
Bennett, G.B. *et al, J. Med. Chem.*, 1978, **21**, 623 (*synth*)

(1-Naphthyl)acetic acid **N-00044**
1-Naphthaleneacetic acid, 8CI. Planofix. Phyomone. Fruitone N. *Rootone. Regenasol. Tre-Hold*
[86-87-3]



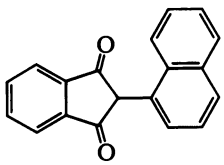
$C_{12}H_{10}O_2$ M 186.210
Used to promote rooting of plant cuttings. Rhinitic and choleretic. Needles (H_2O). Spar. sol. H_2O, v. sol. Me_2CO, EtOH. Mp 134.5-135.5° (131°). Dec. on dist.
▷Mod. irritant. QJ0875000.
Me ester: [2876-78-0].
$C_{13}H_{12}O_2$ M 200.237
Root growth promotor. Oil. Bp_{11} 162-165°. $n_D^{25.5}$ 1.5939.
▷QJ1225000.
Et ester: [2122-70-5].
$C_{14}H_{14}O_2$ M 214.263
Used to promote root growth and to prevent sprouting from tree trunks. Oil. Bp_{20} 220-225°, $Bp_{0.1\text{-}0.2}$ 100-105°.
▷QJ0948000.
Chloride: [5121-00-6].
$C_{12}H_9ClO$ M 204.656
Yellow oil. Bp_{23} 188°, $Bp_{0.05}$ 148-155°.
Amide: [86-86-2].
$C_{12}H_{11}NO$ M 185.225
Needles. Mp 181-183° subl.
▷QJ0590000.
Nitrile: [132-75-2].
$C_{12}H_9N$ M 167.210
Waxy solid. Mp 32-33°. Bp 162-164°, Bp_{18} 191-194°. n_D^{20} 1.6192.
▷AM1240000.
Gardiner, F.E. *et al, Science*, 1939, **90**, 208 (*use*)

Ogata, Y. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4302 (*synth*)
Hitzenberger, G. *et al*, *Wien. Med. Wochschr.*, 1958, **108**, 504; 1959, **109**, 707 (*pharmacol*)
Org. Synth., 1970, **50**, 77 (*synth, ester*)
Gore, R.C. *et al*, *J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*uv, ir*)
Rajan, S.S., *Acta Crystallogr., Sect. B*, 1978, **34**, 998 (*cryst struct*)
Pesticide Manual, 6th Ed., 376.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1971, 1972.

2-(1-Naphthyl)-1,3-indandione N-00045

2-(1-Naphthalenyl)-1H-indene-1,3(2H)-dione, *9CI*. *Naphthylin*

[1786-03-4]



$C_{19}H_{12}O_2$ M 272.303

Anticoagulant. Yellow needles (EtOH). Mp 217-218° (210-211°).

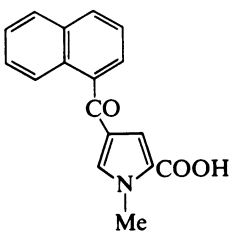
Dioxime: Cryst. Mp 216° dec.

Eckstein, M. *et al*, *CA*, 1959, **53**, 6175 (*synth*)
Shapiro, S.L. *et al*, *J. Org. Chem.*, 1960, **25**, 1860; 1961, **26**, 3580 (*synth, props*)
Perjessy, A. *et al*, *Tetrahedron*, 1971, **27**, 6159 (*ir*)
Fanelli, O., *Arzneim.-Forsch.*, 1975, **25**, 873 (*pharmacol*)
Csoregh, I. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 852 (*cryst struct*)
Murthy, A.R. *et al*, *J. Med. Chem.*, 1985, **28**, 1591 (*synth, props*)

Napirimus, INN N-00046

1-Methyl-4-(1-naphthalenylcarbonyl)-1H-pyrrole-2-carboxylic acid, *9CI*

[70696-66-1]



$C_{17}H_{13}NO_3$ M 279.295

Immunosuppressant. Mp 216°.

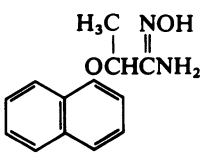
Cpd. with morpholine: [70696-67-2]. Cryst. (Me_2CO). Mp 155°.

Belg. Pat., 870 910, (*1979*); *CA*, **91**, 39315 (*synth*)
U.S.P., 4 617 315, (*1986*); *CA*, **106**, 23301 (*pharmacol*)

Naprodoximine, INN N-00047

N-Hydroxy-2-(1-naphthalenyloxy)propanimidamide, *9CI*. *2-(1-Naphthyloxy)propionamidoxime*. *Naprodoxime*

[57925-64-1]



$C_{13}H_{14}N_2O_2$ M 230.266

(±)-*form*

Antidepressant, antiaggressive agent. Mp 116-119°.

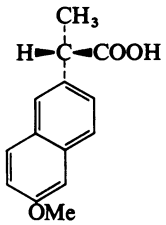
B,HCl: [58033-22-0]. Mp 190-191°.

Ger. Pat., 2 501 122, (*1975*); *CA*, **84**, 44076t (*synth, pharmacol*)

Naproxen, BAN, USAN, INN, JAN N-00048

6-Methoxy-α-methyl-2-naphthaleneacetic acid, *9CI*, *8CI*. *2-(6-Methoxy-2-naphthyl)propanoic acid*. *Naprosyn*. *Methoxypropriocin*. *Equiproxen*. *Numerous proprietary names*

[23981-80-8]



$C_{14}H_{14}O_3$ M 230.263

(*S*)-*form* [22204-53-1]

Antiinflammatory, analgesic, antipyretic. Mp 155.3°. $[\alpha]_D$ +65.5° (c, 1 in $CHCl_3$).

▷UF5275000.

Na salt: [26159-34-2]. *Naproxen Sodium*, *USAN*. *Anaprox*. *Other synonyms*.

▷QJ1047000.

(±)-*form* [26159-31-9]

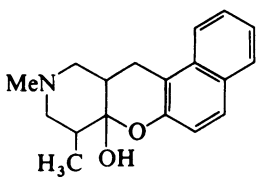
Mp 150-151°.

Harrison, I.T. *et al*, *J. Med. Chem.*, 1970, **13**, 203 (*synth*)
Riegl, J. *et al*, *J. Med. Chem.*, 1974, **17**, 377 (*abs config*)
Dorfman, R.I., *Arzneim.-Forsch.*, 1975, **25**, 281 (*rev*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*props*)
Elden, F. *et al*, *Pharm. Ztg.*, 1978, **123**, 1796 (*uv, ir, pmr*)
Arai, N. *et al*, *Tetrahedron Lett.*, 1983, **24**, 1531 (*synth*)
Ravikumar, K. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 280 (*cryst struct*)
Gu, Q.-M. *et al*, *Tetrahedron Lett.*, 1986, **27**, 1763 (*synth*)
Castaldi, G. *et al*, *J. Org. Chem.*, 1987, **52**, 3018 (*synth*)
Piccolo, O. *et al*, *J. Org. Chem.*, 1987, **52**, 10 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3107.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2672, 2673.

Naranol, INN N-00049

8,9,10,11,11a,12-Hexahydro-8,10-dimethyl-7aH-naphtho[1′,2′:5,6]pyrano[3,2-c]pyridin-7a-ol, *9CI*, *8CI*

[22292-91-7]



$C_{18}H_{21}NO_2$ M 283.369

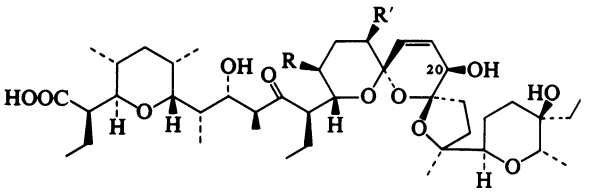
Tranquilliser. Mp 165-167°.

B,HCl: [34256-91-2]. *Naranol hydrochloride*, *USAN*. *W5494A*.

B.P., 1 135 896, (*1968*); *CA*, **70**, 57800k (*synth, pharmacol, uv, ir*)

Narasin *A* N-00050

4-Methylsalinomycin, 9CI. ***Narasin, BAN, USAN, INN.*** *Monteban. A 28086A. C 18-205. C 7819B. Lilly 79891. Antibiotic A 28086A. Antibiotic C 7819B*
[55134-13-9]



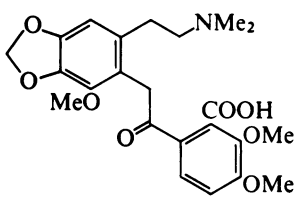
R = R' = CH_3

$C_{43}H_{72}O_{11}$ M 765.035
Polyether antibiotic. Isol. from *Streptomyces aureofaciens, S. lydicus* and *S. parvullus*. Ionophore effective against viruses and particularly against coccidial infections in chickens. Cryst. (Me_2CO aq.). Mp 98-100° and 198-200° (double Mp). $[\alpha]_D^{25}$ −54° ($CHCl_3$).
▷VO8640000.
Na salt: [70052-00-5]. Cryst. Mp 158-160°.
Me ester: [63045-44-3]. Mp 160-162°.
20-Deoxy: [70022-35-4]. ***20-Deoxynarasin***.
$C_{43}H_{72}O_{10}$ M 749.036
Prod. by *S. aureofaciens*. Antibacterial and anticoccidial. Useful feed additive.
17-Epimer, 20-Deoxy: [70051-99-9]. ***20-Deoxy-17-epinarasin***.
$C_{43}H_{72}O_{10}$ M 749.036
From *S. aureofaciens*. Antibacterial, anticoccidial and useful feed additive.
4-De-Me: see Salinomycin, S-00017
20-Ketone: [58439-94-4]. ***Narasin B***. *20-Deoxy-4-methyl-20-oxosalinomycin, 9CI. A 28086B. Antibiotic A 28086B.*
$C_{43}H_{70}O_{11}$ M 763.019
From *S. aureofaciens*. Antiviral agent. Mp 150-153°.

Dorman, D.E. *et al, Helv. Chim. Acta*, 1976, **59**, 2625 (*biosynth*)
Occolowitz, J.K. *et al, Biomed. Mass Spectrom.*, 1976, **3**, 272 (*struct*)
Seto, H. *et al, J. Antibiot.*, 1977, **30**, 530 (*cmr, struct*)
U.S.P., 4 035 481, (*1977*); *CA*, **87**, 116418 (*isol*)
Berg, D.H. *et al, J. Antibiot.*, 1978, **31**, 1 (*isol, struct*)
U.S.P., 4 141 907, (*1979*); *CA*, **91**, 122144 (*isol, props, deriv*)
Caughey, B. *et al, Biochem. Biophys. Res. Commun.*, 1983, **113**, 832 (*pmr, conformn*)
Lewis, M.D. *et al, Diss. Abstr. Int. B*, 1983, **44**, 1829 (*rev, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12016.

Narceine N-00051

6-[[6-[2-(Dimethylamino)ethyl]-4-methoxy-1,3-benzodioxol-5-yl]acetyl]-2,3-dimethoxybenzoic acid, 9CI
[131-28-2]

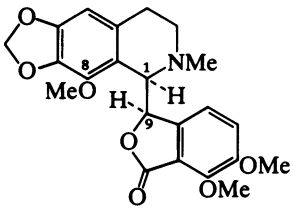


$C_{23}H_{27}NO_8$ M 445.468
Alkaloid from *Papaver somniferum* (Papaveraceae). Respiratory stimulant, antitussive agent. Shows no analgesic activity. Antihypertensive agent. Intestinal smooth muscle stimulant. Cryst. (MeOH/Et_2O or H_2O). Mp 176-178° (trihydrate), 145° (anhyd.).
B,HCl: Mp 192-193°.
Picrate: Mp 195°.
B,MeI: Mp 207°.
N-*De-Me:* [483-89-6]. ***Nornarceine***.
$C_{22}H_{25}NO_8$ M 431.441
Alkaloid from *P. somniferum* (Papaveraceae). Mp 229° (223-225°).

Rabe, P. *et al, Justus Liebigs Ann. Chem.*, 1910, **377**, 223 (*struct, bibl*)
Addinall, C.R. *et al, J. Am. Chem. Soc.*, 1933, **55**, 1202, 2153 (*isol, synth*)
Briggs, L.H. *et al, Anal. Chem.*, 1957, **29**, 904 (*ir*)
Klötzer, W. *et al, Monatsh. Chem.*, 1972, **103**, 1210 (*synth, uv, ir, pmr*)
Blaskó, G. *et al, J. Org. Chem.*, 1982, **47**, 880 (*synth, uv, pmr*)

Narcotine N-00052

6,7-Dimethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]isoquinolin-5-yl)-1(3H)-isobenzofuranone, 9CI. ***Noscapine, BAN, INN.*** *Gnoscopine. Opianine. Numerous proprietary names*



(1*R*,9*R*)-*form*

$C_{22}H_{23}NO_7$ M 413.426
(***1R,9R*)-form** [3860-46-6]
(−) *β-Narcotine*
Synthetic. Mp 181-182° (176°). $[\alpha]_D^{22}$ −100° (c, 1 in dioxan), $[\alpha]_D^{20}$ −87.5° (c, 1 in $CHCl_3$).
▷NP7224500.
(***1R,9S*)-form** [128-62-1]
(−)-*α-Narcotine*
Alkaloid from *Corydalis cava* (*C. tuberosa*), *Papaver fugax, P. paeoniflorum, P. persicum* and *P. somniferum*. Byprod. in extraction of morphine from opium. One of the first alkaloids to be isol. (Fumariaceae, Papaveraceae). Antitussive agent, of similar potency to and poss. with some advantages over codeine. Mod. effective smooth muscle relaxant. Stout needles (EtOH). Mp 176°. $[\alpha]_D$ −200° ($CHCl_3$). Polymorphic. This is prob. the only nat. occurring stereoisomer but it readily epimerises to (−) *β*-Narcotine which may be isol. as an artifact. Opt. rotn. highly solv. and concn. dependent.
▷RD2625000.
Picrate: Mp 174°.
N-*Oxide:* Hygroscopic solid. V. sol. H_2O. $[\alpha]_D$ +135° ($CHCl_3$).
O^8-*De-Me:* ***Narcotoline***.
$C_{21}H_{21}NO_7$ M 399.399
Alkaloid from *P. somniferum* and poppy straw (Papaveraceae). Rods (MeOH aq.). Mp 202° (189°). $[\alpha]_D$ −189° ($CHCl_3$).
O^8-*De-Me, Ac:* Mp 208-209°.
(***1S,9R*)-form** [35933-64-3]
(+) *α-Narcotine*
Obt. by resoln. of synthetic (±)-narcotine. Cryst. (EtOH). $[\alpha]_D$ +199.9°.

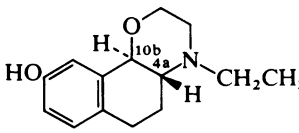
(1RS,9RS)-form [35933-63-2]
(±)-β-*Narcotine. β-Gnoscopine*
Synthetic. Cryst. (EtOH). Mp 184-186° (180°).
B,HCl: Mp 224-226°. Epimerises readily.

(1RS,9SR)-form [6035-40-1]
(±) α-*Narcotine. α-Gnoscopine*
Formed in opium, prob. as an artifact. Cryst. (EtOH). V. spar. sol. EtOH. Mp 230-233° (227-230°).
▷QN5600000.
B,HCl: Cryst. + $3H_2O$. Mp 220°, Mp 238°.
Picrate: Mp 188° (185°).

Robiquet, M., *Ann. Chim. (Paris)*, 1817, **5**, 275 (*isol*)
Perkin, W.H. *et al*, *J. Chem. Soc.*, 1911, **99**, 775 (*synth, resoln*)
Wrede, F., *Chem. Zentralbl.*, 1937, **1**, 2611; 1938, **2**, 863 (*Narcotoline*)
Baumgarten, G. *et al*, *Pharmazie*, 1950, **5**, 80 (*Narcotoline*)
Ohta, M. *et al*, *Tetrahedron Lett.*, 1963, 859 (*abs config*)
Ohta, M. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 1080 (*isol*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1965, 1087 (*abs config*)
Battersby, A.R. *et al*, *J. Chem. Soc. (C)*, 1968, 2163 (*biosynth*)
Snatzke, G. *et al*, *Tetrahedron*, 1969, **25**, 5059 (*ord*)
Kametani, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 374 (*synth*)
Al-Yahya, M.A. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 407 (*rev, synth, props, anal*)
Blaskó, G. *et al*, *J. Nat. Prod.*, 1982, **45**, 105 (*occur*)
Shono, T. *et al*, *J. Org. Chem.*, 1983, **48**, 1621 (*synth*)
Moss, D.S. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1960 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5625, 5626.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6492.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2075.

Naxagolide, INN N-00053

3,4,4a,5,6,10b-Hexahydro-4-propyl-2H-naphth[1,2-b]-1,4-oxazin-9-ol, 9CI



(4a*R*,10b*R*)-*form*

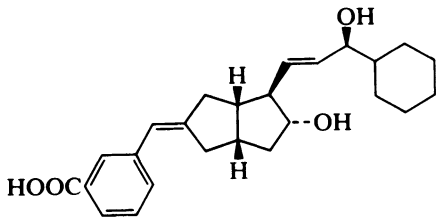
$C_{15}H_{21}NO_2$ M 247.336

(4aR,10bR)-form [88058-88-2]
Dopazinol. L 647339. N 0500. PHNO
Antiparkinsonian agent. Dopamine agonist. Mp 158-160°. $[\alpha]_D$ +59.54° (c, 0.096 in EtOH).
B,HCl: [99705-65-4]. Cryst. Mp 303-305°.

Jones, J.H. *et al*, *J. Med. Chem.*, 1984, **27**, 1607 (*synth, pharmacol, cryst struct*)
Martin, G.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1984, **230**, 569 (*pharmacol*)
Dykstra, D. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1985, **20**, 247 (*synth, pharmacol*)
Mazzo, D.J. *et al*, *J. Chromatogr.*, 1986, **367**, 405 (*hplc*)
Melillo, D.G. *et al*, *J. Org. Chem.*, 1987, **52**, 5143 (*synth*)

Naxaprostene, INN N-00054

3-[[4-(3-Cyclohexyl-3-hydroxy-1-propenyl)hexahydro-5-hydroxy-2(1H)-pentalenylidene]methyl]benzoic acid, 9CI. CG 4305. EL 784
[87269-59-8]

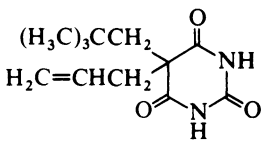


$C_{25}H_{32}O_4$ M 396.525
Synthetic prostacyclin analogue with antihypertensive and platelet aggregation inhibiting props. Mp 162-164° dec.

Flohe, L. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1240 (*synth, pharmacol*)
Stezowski, J.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 1315 (*cryst struct*)
Maurin, N., *Arzneim.-Forsch.*, 1986, **36**, 1180 (*pharmacol*)
Schmitz, F.J. *et al*, *Agents Actions*, 1986, **18**, 113 (*pharmacol*)

Nealbarbitone, BAN N-00055

5-(2,2-Dimethylpropyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-neopentylbarbituric acid, 8CI. ***Nealbarbital, INN****. Nevental. Censedal*
[561-83-1]

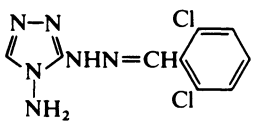


$C_{12}H_{18}N_2O_3$ M 238.286
Sedative, hypnotic. Slightly bitter cryst. Sol. EtOH, Me_2CO, Et_2O, aq. alkalies, mod. sol. $CHCl_3$, prac. insol. H_2O, ligroin. Mp 154° (155-157°). pK_a 7.72.

Brändstrom, A., *Acta Chem. Scand.*, 1959, **13**, 613, 615, 619 (*synth*)
Gilbert, J.N.T. *et al*, *J. Pharm. Pharmacol.*, 1974, **26**, 119 (*metab*)
Games, D.E. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 383 (*ms*)
Stuper, A.J. *et al*, *J. Pharm. Sci.*, 1978, **67**, 745 (*pharmacol*)
Testa, B., *Pharm. Acta Helv.*, 1978, **53**, 143 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4053.

Nebidrazine, INN N-00056

2,6-Dichlorobenzaldehyde(4-amino-4H-1,2,4-triazol-3-yl)hydrazone, 9CI. FLA 136
[55248-23-2]



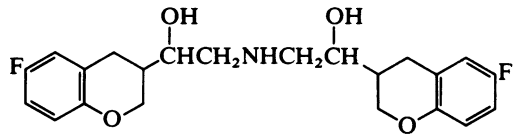
$C_9H_8Cl_2N_6$ M 271.108
Antihypertensive agent. Mp 198-199°.
B,HCl: Cryst. (EtOH/isopropyl ether). Mp 217-218°.
B,H_2SO_4: Cryst. (EtOH/isopropyl ether). Mp 208-209°.

Eriksson, H.E. *et al*, *Acta Pharm. Suec.*, 1976, **13**, 79 (*synth, pharmacol*)

Nebivolol, INN **N-00057**

α,α'-[Iminobis(methylene)]bis[6-fluoro-3,4-dihydro-2H-1-benzopyran-2-methanol], 9CI. R 65824

[99200-09-6]



$C_{22}H_{25}F_2NO_4$ M 405.441

β-Adrenergic blocker. Mp 140.7°. Opt. isomers known.

Eur. Pat., 145 067, (*1985*); *CA*, **104**, 5773 (*synth, pharmacol*)

Nebramycin, USAN, INN **N-00058**

Tenebrimycin. Tenemycin. A 12253A. Antibiotic 4009B. Antibiotic A 12253A

[11048-13-8]

Complex group of aminoglycoside antibiotics. Isol. from *Streptomyces tenebrarius* and *S. coeruleoaurantiacus*. Active against gram-negative and gram-positive bacteria. A complex of factors with 13 separated to date. Factor 1 not characterised.

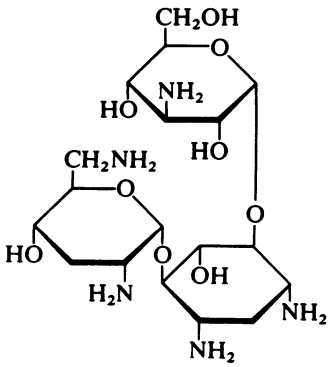
▷QO2672000.

Stark, W.M. *et al*, *Antimicrob. Agents Chemother.*, 1967, 314.
Dorman, D.E. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6885.
Koch, K.F. *et al*, *J. Org. Chem.*, 1978, **43**, 1430.
Konstantinova, N.V. *et al*, *Antibiotiki* (*Moscow*), 1982, **27**, 403 (*isol, props*)

Nebramycin factor 6 **N-00059**

Nebramycin VI. ***Tobramycin,*** *INN, BAN, JAN,* ***USAN.*** *Tobramycetin. Numerous proprietary names*

[32986-56-4]



$C_{18}H_{37}N_5O_9$ M 467.518

Aminoglycoside antibiotic. Antibacterial, antibiotic. Cryst. $[\alpha]_D^{25}$ +131° (c, 1 in H_2O). pK_{a1} 5.8, pK_{a2} 6.8, pK_{a3} 7.1, pK_{a4} 7.9, pK_{a5} 9.3.

▷WK2100000.

Sulfate: [49842-07-1]. *Nebcin. Obracine. Tobracin.*

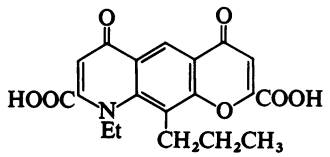
▷WK2110000.

Stark, W.M. *et al*, *Antimicrob. Agents Cheomother.*, 1967, 314, 324, 332, 341.
Stark, W.M. *et al*, *Folia Microbiol.* (*Prague*), 1971, **16**, 205
Koch, K.F. *et al*, *J. Antibiot.*, 1973, **26**, 745.
Dorman, D.E. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6885.
Miyake, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 2362 (*synth, cmr*)
Okutani, T. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 1278 (*synth*)
Koch, K.F. *et al*, *J. Org. Chem.*, 1978, **43**, 1430 (*cmr, nmr, ms*)
Lightbown, J.W. *et al*, *J. Biol. Stand.*, 1982, **10**, 157 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5084.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 174, 18310.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2586.

Nedocromil, BAN, INN, USAN **N-00060**

9-Ethyl-6,9-dihydro-4,6-dioxo-10-propyl-4H-pyrano[3,2-g]quinoline-2,8-dicarboxylic acid, 9CI. 9-Ethyl-4,6-dioxo-10-propyl-4H,6H-pyrano[3,2-g]quinoline-2,8-dicarboxylic acid

[69049-73-6]



$C_{19}H_{17}NO_7$ M 371.346

Drug used for prophylaxis of allergic conditions, antiasthmatic. Yellow powder. Mp 298-300° dec.

Di-Na salt: [69049-74-7]. *FPL 59002KP. Nedocromil sodium,* USAN. *Tilade.* Pale-yellow powder. Trihydrate.

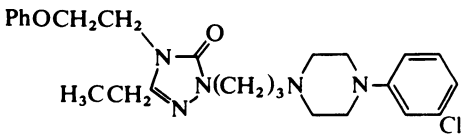
Di-Et ester: [69049-72-5]. Cryst. (EtOH). Mp 135-137°.

Austrian Pat., 361 483, (*1981*); *CA*, **95**, 7252d (*synth, pharmacol*)
Japan. Pat., 5 804 722, (*1983*); *CA*, **98**, 137619b (*synth*)
Coltman, S.C. *et al*, *Synthesis*, 1984, 150 (*ester*)
Cairns, H. *et al*, *J. Med. Chem.*, 1985, **28**, 1832 (*ester*)
Freer, A.A. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1900 (*cryst struct*)

Nefazodone, INN **N-00061**

2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-5-ethyl-2,4-dihydro-4-(2-phenoxyethyl)-3H-1,2,4-triazol-3-one, 9CI

[83366-66-9]



$C_{25}H_{32}ClN_5O_2$ M 470.013

Antidepressant.

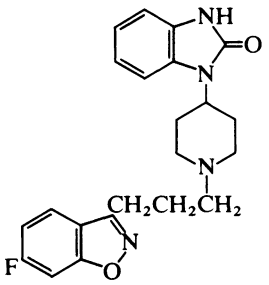
B,HCl: [82752-99-6]. *Nefazodone hydrochloride,* USAN. *MJ 13,754-1.* Cryst. (EtOH). Mp 175-177° (as hydrate).

U.S.P., 4 338 317, (*1982*); *CA*, **97**, 182432a (*synth, ir, pmr, pharmacol*)

Neflumozide, INN **N-00062**

*1-[1-[3-(6-Fluoro-1,2-benzisoxazol-3-yl)propyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one,* 9CI

[86636-93-3]



$C_{22}H_{23}FN_4O_2$ M 394.448

Antipsychotic agent. Dopamine antagonist.

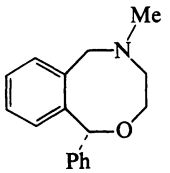
B,HCl: [86015-38-5]. *Neflumozide hydrochloride,* USAN. *HRP 913. P 793913.* Cryst. (EtOAc/MeOH). Mp 255-257°.

Fielding, S. *et al, Drug Dev. Res.*, 1983, **3**, 233 (*pharmacol*)
U.S.P., 4 390 544, (*1983*); *CA*, **99**, 122548 (*synth, pharmacol*)

Nefopam, BAN, INN **N-00063**

*3,4,5,6-Tetrahydro-5-methyl-1-phenyl-1*H*-2,5-benzoxazocine,* 9CI. *Fenazoxine*

[13669-70-0]



(*R*)-*form*

$C_{17}H_{19}NO$ M 253.343

▷DM4210000.

(***R*)-form** [91463-82-0]

B, HCl: [53625-25-5]. Prisms (Me_2CO). Mp 108-183°. $[\alpha]_D^{27}$ −119° (c, 1 in DMSO).

(±)-*form*

Antidepressant, muscle relaxant, analgesic.

B, HCl: [23327-57-3]. *Nefopam hydrochloride,* USAN. *Acupan. Numerous proprietary names.* Mp 238-242°.

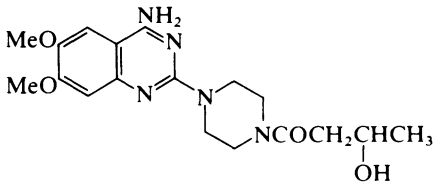
▷DM4200000.

Bassett, J.R. *et al, Br. J. Pharmacol.*, 1969, **37**, 69 (*pharmacol*)
U.S.P., 3 487 153, (*1969*); *CA*, **72**, 79124m (*synth*)
Heel, R.C. *et al, Drugs*, 1980, **19**, 249 (*rev, pharmacol*)
Brenner, J.B. *et al, Aust. J. Chem.*, 1982, **35**, 2307 (*synth*)
Hansen, L.K. *et al, Acta Chem. Scand., Ser. B*, 1984, **38**, 327 (*cryst struct, abs config*)
Kluefers, P. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1986, **319**, 583 (*conformn, cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4375.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2674.

Neldazosin, INN **N-00064**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(3-hydroxy-1-oxobutyl)piperazine, 9CI

[109713-79-3]



$C_{18}H_{25}N_5O_4$ M 375.427

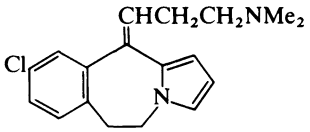
(±)-*form*

Antihypertensive agent. Cryst. (EtOAc). Mp 220-222°.

Eur. Pat., 225 866, (*1987*); *CA*, **107**, 77834 (*synth*)

Nelezaprine, INN **N-00065**

*3-(9-Chloro-5,6-dihydro-11*H*-pyrrolo[2,1-*b*][3]-benzazepin-11-ylidene)-*N,N*-dimethyl-1-propanamine,* 9CI



$C_{18}H_{21}ClN_2$ M 300.830

(*E*)-form [69624-60-8]

Tranquilliser. Muscle relaxant.

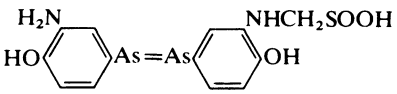
Oxalate: Mp 160-165° dec.

U.S.P., 4 112 112, (*1978*); *CA*, **91**, 91624 (*synth*)

Neoarsphenamine, INN **N-00066**

*3,3'-Diamino-4,4'-dihydroxyarsenobenzene-*N*-formaldehydesulfinic acid. Neosalvarsan. Collunovar. NAB. Miarsenol. Novarsenol. Numerous proprietary names*

[457-60-3]



$C_{13}H_{14}As_2N_2O_4S$ M 444.168

Veterinary antiinfective, antisyphilitic. Used as Na salt.

▷WS3680000.

Na salt: [457-60-3]. Yellow powder.

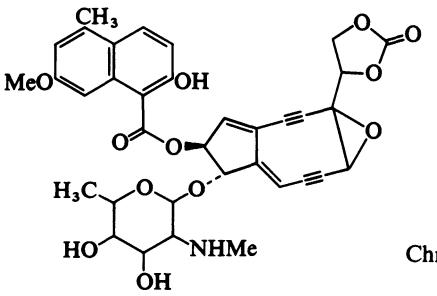
▷WS3680000.

Krumwiede, H.A., *J. Am. Pharm. Assoc.*, 1919, **8**, 795 (*synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2728 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15301.

Neocarzinostatin N-00067

Neocarcinostatin, JAN. ***Zinostatin, INN***

[9014-02-2]



Chromophore

Polypeptide antibiotic containing 113 amino acid residues and a non-protein chromophore (struct. shown). For full struct. see refs. Isol. from *Streptomyces carzinostaticus*. Antitumour agent. Shows clinical potential. Dec. at 260°. Activity rests largely with chromophore; the protein stabilizes the v. labile chromophore.

▷QO6780000.

Chromophore: [81604-85-5]. *Neocarzinostatin chromophore.*

$C_{35}H_{33}NO_{12}$ M 659.645

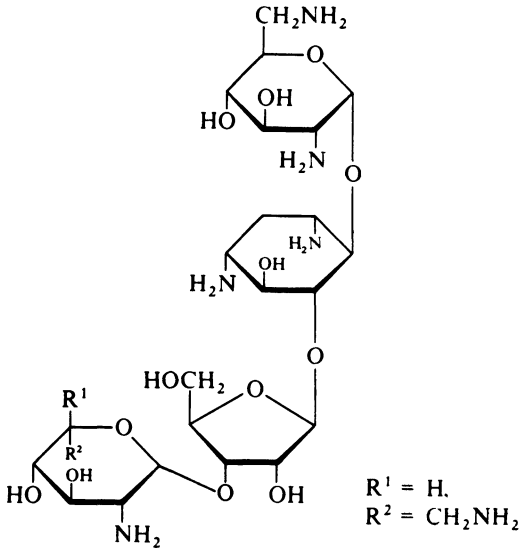
Amorph. powder + $3H_2O$ (as hydrochloride). Mp 125° dec.

Ishida, N. *et al, J. Antibiot.*, 1965, **18**, 68; 1966, **19**, 253 (*isol, props*)
Kumagai, K. *et al, Antimicrob. Agents Chemother.*, 1966, 546.
Meienhofer, J. *et al, Science*, 1972, **178**, 875 (*struct*)
Sieker, L.C. *et al, Biochem. Biophys. Res. Commun.*, 1976, **68**, 358; *Diss. Abstr. Int. B*, 1981, **42**, 1283.
Kappen, L.S. *et al, Biochemistry*, 1979, **18**, 5123 (*props*)
Napier, M.A. *et al, Biochem. Biophys. Res. Commun.*, 1979, **89**, 635 (*props*)
Japan. Pat., 79 36 202, (*1979*); *CA*, 73136 (*isol*)
Koehnlein, W. *et al, Arzneim.-Forsch.*, 1982, **32**, 1474 (*rev, props*)
Koide, Y. *et al, J. Antibiot.*, 1982, **35**, 766.
Pletner, V.Z. *et al, Bioorg. Khim.*, 1982, **8**, 169 (*uv, cd*)
Samy, T.S.A. *et al, J. Biol. Chem*, 1983, **258**, 183 (*struct*)
Edo, K. *et al, Tetrahedron Lett.*, 1985, **26**, 331 (*struct*)
Edo, K. *et al, J. Antibiot.*, 1986, **39**, 1615 (*abs config*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1881.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1983.

Neomycin *B* N-00068

Framycetin, BAN, INN. *Actilin. Soframycin. Antibiotic 10676. Other proprietary names*

[119-04-0]



$C_{23}H_{46}N_6O_{13}$ M 614.649

Aminoglycoside antibiotic. Prod. by *Streptomyces fradiae* and other spp. Clinically used broad-spectrum antibiotic. Amorph. $[\alpha]_D^{25}$ +83° (c, 1.0 in 0.2N H_2SO_4). Indefinite Mp. Hydrol. → Neomycin *A*, D-ribose and 2,6-diamino-2,6-dideoxy-L-idose.

▷QP4025000.

$O^{5''}$-*β-D-Glucosyl:* [53861-54-4]. ***Neomycin* B *glucoside***.

$C_{29}H_{56}N_6O_{18}$ M 776.791

From *S. fradiae*. $[\alpha]_D^{25}$ +35°.

Mixt. with Neomycin A *and* C: [1404-04-2]. ***Neomycin, BAN, INN.*** *Fradiomycin. Other proprietary names.* Antibiotic complex. Used as sulphate and as undecylenate salts.

▷QP3850000.

Ford, J.H. *et al, J. Am. Chem. Soc.*, 1955, **77**, 5311 (*isol*)
Rinehart, K.L. *et al, J. Am. Chem. Soc.*, 1957, **79**, 4567, 4568; 1958, **80**, 6461, 6463 (*struct*)
Haskell, T.H. *et al, J. Org. Chem.*, 1963, **28**, 2598 (*struct*)
Hichens, M. *et al, J. Am. Chem. Soc.*, 1963, **85**, 1547 (*struct*)
Perlman, D. *et al, J. Antibiot.*, 1974, **27**, 637 (*deriv*)
Heyes, W.F., *Anal. Profiles Drug Subst.*, 1979, **8**, 399 (*rev*)
Chernyshev, A.I. *et al, Khim. Prir. Soedin.*, 1980, 686 (*cmr*)
Lin, Z.-L. *et al, CA*, 1981, **95**, 220241.
Botto, R.E. *et al, J. Am. Chem. Soc.*, 1983, **105**, 1021 (*N-15 nmr*)
Ewad, M.J.S. *et al, J. Chem. Soc., Chem. Commun.*, 1983, 18, 20 (*biosynth*)
Usui, T. *et al, Carbohydr. Res.*, 1984, **130**, 165 (*synth*)
Reid, D.G. *et al, J. Biol. Chem*, 1987, **262**, 7967 (*pmr, cmr*)
Usui, T. *et al, J. Antibiot.*, 1987, **40**, 1464 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 86, 111, 112, 113.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7030.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1985.

Neomycin *C* N-00069

Streptothricin B*1*

[66-86-4]

As Neomycin *B*, N-00068 with

$R^1 = CH_2NH_2$, $R^2 = H$

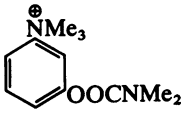
$C_{23}H_{46}N_6O_{13}$ M 614.649
Aminoglycoside antibiotic. Prod. by *Streptomyces fradiae* and other spp. Clinically used broad spectrum antibiotic. Amorph. $[\alpha]_D^{25}$ +121° (c, 1.0 in 0.2N H_2SO_4). Indefinite Mp. Hydrol. → Neomycin *A*, D-ribose and 2,6-diaminohexose (neosamine *C*).

▷QP4200000.

Ford, J.H. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 5311 (*isol*)
Rinehart, K.L. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 4568, 4667; 1958, **80**, 6461, 6463; 1962, **84**, 3218 (*struct*)
Hichens, M. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 1547 (*struct*)
Umezawa, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 3259 (*synth, bibl*)
Ewad, M.J.S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 18, 20 (*biosynth*)

Neostigmine(1+) N-00070

3-[[(Dimethylamino)carbonyl]oxy-N,N,N-*trimethylbenzenaminium*, 9CI. (*3-Dimethylcarbamoyloxyphenyl*)-*trimethylammonium. Proserin. Synstigmine. Numerous proprietary names*
[59-99-4]



$C_{12}H_{19}N_2O_2^{\oplus}$ M 223.294 (ion)
Anticholinergic, parasympathomimetic drug. Vagotonic.

▷BR3300000.

Bromide: [114-80-7]. *Neostigmine bromide, BAN, USAN, INN.*
$C_{12}H_{19}BrN_2O_2$ M 303.198
Cryst. (EtOH/Et_2O). Dec. at ca. 167°.

▷BR3150000.

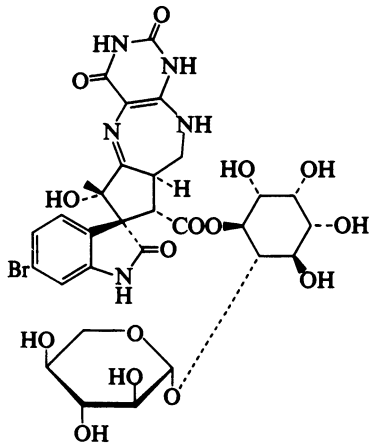
Methyl sulfate: [51-60-5]. *Neostigmine methylsulphate, BAN.*
$C_{13}H_{22}N_2O_6S$ M 334.387
Cryst. (EtOH). Mp 142-145°.

▷CY1225000.

U.S.P., 1 905 990, (*1933*); *CA*, **27**, 3560 (*synth*)
Petcher, T.J. *et al*, *J. Med. Chem.*, 1971, **14**, 1 (*cryst struct*)
Calvey, T.N. *et al*, *Br. J. Clin. Pharmacol.*, 1979, **7**, 149 (*pharmacol*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 403 (*rev, synth, props, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4501, 4502.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2555 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1144.

Neosurugatoxin N-00071

[80680-43-9]

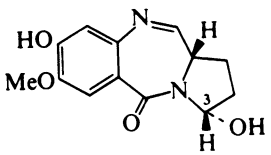


$C_{30}H_{34}BrN_5O_{15}$ M 784.527
Toxin from the mid-gut gland of *Babylonia japonica* (Japanese ivory shell) of dietary origin. Shows powerful antimydriatic activity. Prisms + $1H_2O$ (H_2O). Mp 331-335° dec. Extremely unstable in alkaline medium and fairly heat-labile.

Kosuge, T. *et al*, *Tetrahedron Lett.*, 1981, 3417 (*cryst struct*)
Kosuge, T. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3255 (*isol*)
Inoue, S. *et al*, *CA*, 1983, **100**, 191639 (*synth*)
Hayashi, E. *et al*, *J. Neurochem.*, 1984, **42**, 1491 (*props*)
Inoue, S. *et al*, *Tetrahedron Lett.*, 1986, **27**, 5225 (*synth*)

Neothramycin *A*, 9CI N-00072

1,2,3,11a-Tetrahydro-3,8-dihydroxy-7-methoxy-5H-pyrrolo[2,1-c] [1,4]benzodiazepin-5-one, 9CI
[59593-16-7]



Absolute configuration

$C_{13}H_{14}N_2O_4$ M 262.265
Isol. from *Streptomyces* spp. Antitumour agent showing less toxicity than other anthramycins. Amorph. powder. Mp 132-147° dec. $[\alpha]_D^{26}$ +272° (c, 0.52 in dioxan). Coml. prod. used as mixt. of epimers.

▷UY8546000.

3-Epimer: [59593-15-6]. ***Neothramycin* B**. From *S.* spp. Antitumour agent. Amorph. powder. Mp 144-151° dec. $[\alpha]_D^{26}$ +314° (c, 0.48 in dioxan).

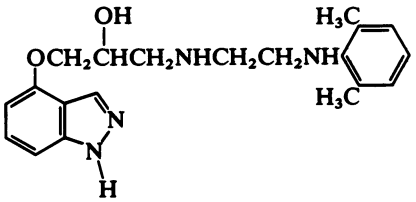
▷UY8545700.

Takeuchi, T. *et al*, *J. Antibiot.*, 1976, **29**, 93 (*isol, nmr, ir, uv, ms*)
Miyamoto, M. *et al*, *J. Antibiot.*, 1977, **30**, 340 (*synth, struct, uv, pmr, cmr*)
Ger. Pat., 2 645 528, (*1977*); *CA*, **87**, 51624 (*manuf*)
Fujita, H. *et al*, *J. Antibiot.*, 1982, **35**, 1093 (*props*)
Tanaka, N., *Antibiotics (N.Y.)*, 1983, **6**, 136 (*rev*)
Andriamialisoa, R.Z. *et al*, *Tetrahedron Lett.*, 1986, 841 (*synth*)
Mori, M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 841 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1988.

Neraminol, INN **N-00073**

1-[[2-[(2,6-Dimethylphenyl)amino]ethyl]amino]-3-(1H-indazol-4-yloxy)-2-propanol, 9CI. *Indaterol. BM 14298*

[86140-10-5]



$C_{20}H_{26}N_4O_2$ M 354.451

(±)-*form*

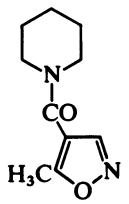
β-Adrenergic blocker. Cryst. (EtOAc). Mp 127-128°.

Eur. Pat., 71 950, (*1983*); *CA*, **99**, 22461 (*synth, pharmacol*)

Nerbacadol, INN **N-00074**

1-[(5-Methyl-4-isoxazolyl)carbonyl]piperidine, 9CI

[99803-72-2]



$C_{10}H_{14}N_2O_2$ M 194.233

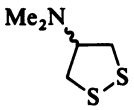
Analgesic. Cryst. (methylcyclohexane). Mp 40-43°.

Ger. Pat., 3 405 727, (*1985*); *CA*, **104**, 68843y (*synth, pharmacol*)

Nereistoxin **N-00075**

N,N-*Dimethyl-1,2-dithiolan-4-amine,* 9CI, 8CI. *Cartab. Padan*

[1631-58-9]



$C_5H_{11}NS_2$ M 149.269

Neurotoxic substance from *Lumbriconereis heteropoda* and *L. brevicirra*. Shows unusual toxicity against insects, has been prod. synthetically and marketed in Japan. Liq. Bp 212-213°.

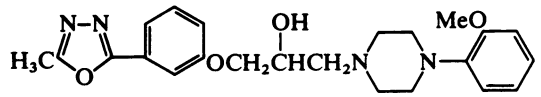
Picrate: Needles (EtOH). Mp 169°.

Hashimoto, Y. *et al*, *Ann. N.Y. Acad. Sci.*, 1960, **90**, 669 (*isol*)
Okaichi, T. *et al*, *Agric. Biol. Chem.*, 1962, **26**, 224 (*struct, pmr, pharmacol*)
Konishi, K., *Agric. Biol. Chem.*, 1970, **34**, 926, 935, 1549 (*synth, pmr, uv*)
Hashimoto, Y. *et al*, *Food-Drugs Sea, Proc. Conf., 3rd*, 1972, 129 (*rev, bibl*)
Satelle, D.B., *Crop. Prot. Agents-Their Biol. Eval., Proc. Int. Conf.*, 1975, 421 (*pharmacol*)

Nesapidil, INN **N-00076**

4-(2-Methoxyphenyl)-α-[[3-(5-methyl-1,3,4-oxadiazol-2-yl)phenoxy]methyl]-1-piperazineethanol, 9CI

[90326-85-5]



$C_{23}H_{28}N_4O_4$ M 424.499

(±)-*form*

Antihypertensive agent.

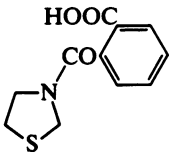
B,2HCl: Cryst. Mp 248-249°.

Ger. Pat., 3 005 287, (*1981*); *CA*, **95**, 169204s (*synth, pharmacol*)

Nesosteine, INN **N-00077**

2-(3-Thiazolidinylcarbonyl)benzoic acid, 9CI. *CO 1177*

[84233-61-4]



$C_{11}H_{11}NO_3S$ M 237.273

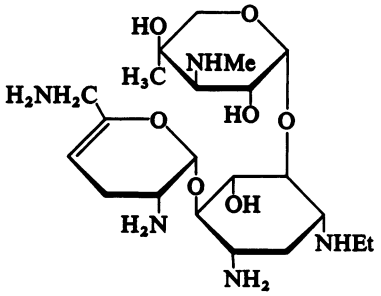
Mucolytic agent. Used as Na salt.

Belg. Pat., 892 516, (*1982*); *CA*, **98**, 53874 (*synth, pmr, ir*)
Scuri, R. *et al*, *Drugs Exp. Clin. Res.*, 1986, **12**, 663 (*pharmacol*)
Luini, W. *et al*, *Int. J. Immunopharmacol.*, 1988, **10**, 59 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19564.

Netilmicin, BAN, INN **N-00078**

N-*Ethylsisomicin. Netromycin. Sch 20569. Antibiotic Sch 20569. Numerous proprietary names*

[56391-56-1]



$C_{21}H_{41}N_5O_7$ M 475.584

Semisynthetic aminoglycoside antibiotic. Shows broad spectrum activity. $[\alpha]_D$ +129.5° (H_2O). Used as pentasulfate (Netilmicin sulfate, USAN).

▷WK2285000.

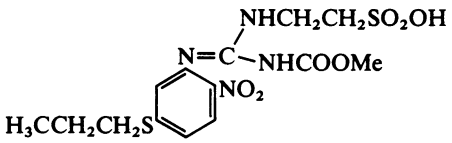
U.S.P., 4 002 742, (*1974*); *CA*, **87**, 6298 (*synth*)
Watanakunakorn, C., *Antimicrob. Agents Chemother.*, 1976, **10**, 382 (*props*)
Wright, J.J., *J. Chem. Soc., Chem. Commun.*, 1976, 206 (*ms, nmr, synth*)
Anon., *Drugs of Today*, 1981, **17**, 322 (*rev*)
Boxler, D.L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2168 (*synth*)
Nagabhushan, T.L. *et al*, *Carbohydr. Res.*, 1984, **130**, 243 (*synth*)
Noone, P., *Drugs*, 1984, **27**, 548 (*rev*)

Solberg, C.O. *et al*, *Netilmicin*, Academic Press, London, 1984 (*book*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6408.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 114.

Netobimin, BAN, INN, USAN **N-00079**

2-[3-Methoxycarbonyl-2-[2-nitro-5-(propylthio)-phenyl]guanidino]ethanesulphonic acid. Sch 32481

[88255-01-0]



$C_{14}H_{20}N_4O_7S_2$ M 420.455

Veterinary anthelmintic. Mp 215° dec.

Na salt: [88254-99-3]. Cryst. Mp 150° dec.

Ca salt (2:1): [88255-03-2]. Mp 300°.

N-*Methylglucamine salt:* Yellow cryst. (MeOH). Mp 117-120° dec.

U.S.P., 4 406 893, (*1983*); *CA*, **100**, 34285v (*synth*)
Delatour, P. *et al*, *J. Vet. Pharmacol. Ther.*, 1986, **9**, 230 (*pharmacol*)
Richards, L.S. *et al*, *Vet. Parasitol.*, 1987, **26**, 71, 79 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2190.

Neurotensin, 9CI **N-00080**

[39379-15-2]

H-5-OxoPro-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu-OH

$C_{78}H_{121}N_{21}O_{20}$ M 1672.943

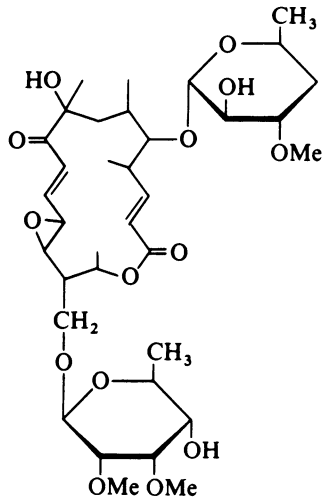
A hypotensive, gut-contracting peptide originally isol. from extracts of bovine hypothalami.

Kitagawa, K. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2692 (*synth*)
Leeman, S.E. *et al*, *Pept. Neurobiol.*, 1977, 99 (*rev*)
Bisette, G. *et al*, *Life Sci.*, 1978, **23**, 2173 (*rev*)
Carraway, R. *et al*, *J. Biol. Chem.*, 1978, **253**, 7996 (*struct*)
Fukuda, T. *et al*, *J. Chem. Soc., Chem. Commun.*, 1978, 220 (*synth*)

Neutramycin, 8CI, INN, USAN **N-00081**

6-Demethylchalcomycin, 9CI. *LL AE 705W. Antibiotic LL AE 705W*

[1404-08-6]



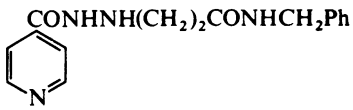
$C_{34}H_{54}O_{14}$ M 686.792

Macrolide antibiotic. Isol. from a variant strain of *Streptomyces rimosus*. Shows antibacterial props. Mp 222-223°.

Lefemine, D.V. *et al*, *Antimicrob. Agents Chemother.*, 1963, 41, 134 (*isol*)
Kunstmann, M.P. *et al*, *Experientia*, 1965, **21**, 372 (*struct*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4001 (*cmr*)
Jardim, M.E. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **48**, 189 (*ms*)

Nialamide, BAN, INN **N-00082**

4-Pyridinecarboxylic acid 2-[3-oxo-3-[(phenylmethyl)-amino]propyl]hydrazide, 9CI. N-(*2-Benzylcarbamoylethyl*)-N′-*isonicotinoylhydrazine. Niamide. Other proprietary names*



$C_{16}H_{18}N_4O_2$ M 298.344

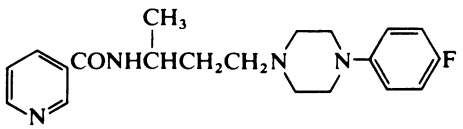
Antidepressant (monoamine oxidase inhibitor). Cryst. (EtOAc). Mp 152-153°.

Delahunt, C.S. *et al*, *Toxicol. Appl. Pharmacol.*, 1959, **1**, 523 (*tox*)
Rowe, R.P. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1959, **101**, 832 (*pharmacol*)
U.S.P., 2 894 972, (*1959*); *CA*, **54**, 581i
Mukhina, N.A. *et al*, *CA*, 1965, **63**, 6964e (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3996 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2528.

Niaprazine, INN **N-00083**

N-[*3-[4-(p-Fluorophenyl)-1-piperazinyl]-1-methylpropyl*]*nicotinamide,* 8CI. *CERM 1709. Nopron*

[27367-90-4]



$C_{20}H_{25}FN_4O$ M 356.442

Antihistamine, α-adrenergic blocking agent. Cryst. (EtOAc). Mp 131°.

▷QS4476100.

B,3HCl: [34426-53-4]. Cryst. (EtOH). Mp 160° dec.

▷QS4476200.

Ger. Pat., 1 957 371, (*1970*); *CA*, **73**, 25518v (*synth, tox, pharmacol*)

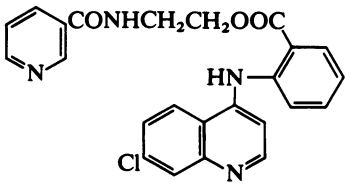
Duchene-Marullaz, P. *et al*, *Therapie*, 1971, **26**, 1203 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13006.

Nicafenine, INN N-00084

2-[(7-Chloro-4-quinolinyl)amino]benzoic acid 2-[(3-pyridinylcarbonyl)amino]ethyl ester, 9CI. N-(*7-Chloro-4-quinolyl*)*anthranilic acid 2-nicotinamidoethyl ester*

[64039-88-9]



$C_{24}H_{19}ClN_4O_3$ M 446.892

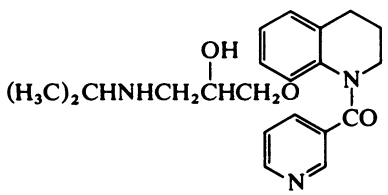
Analgesic. Cryst. ($CHCl_3$). Mp 174°.

Ger. Pat., 2 656 852, (*1977*); *CA*, **87**, 117793y (*synth, ir, pharmacol*)

Vezin, J.C. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1659 (*synth, pharmacol*)

Nicainoprol, INN N-00085

1,2,3,4-Tetrahydro-8-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-1-(3-pyridinylcarbonyl)qunoline, 9CI. 1,2,3,4-Tetrahydro-8-[2-hydroxy-3-(isopropylamino)propoxy]-1-nicotinoylquinoline. CAS 924. RU 42924



$C_{21}H_{27}N_3O_3$ M 369.463

(±)-*form* [76252-06-7]

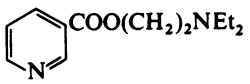
Antihypertensive, antiarrhythmic agent. Cryst. (EtOAc). Mp 122°.

Ger. Pat., 2 934 609, (*1981*); *CA*, **94**, 208726q (*synth*)

Nicametate, BAN, INN N-00086

2-(Diethylamino)ethyl 3-pyridinecarboxylate, 9CI. 2-Diethylaminoethyl nicotinate, 8CI. Eucast. Capiscil. Manlate. Nicopile. Provasan

[3099-52-3]



$C_{12}H_{18}N_2O_2$ M 222.286

Peripheral vasodilator. Bp_{10} 155-157°, Bp_2 120-125°.

B,HCl: Cryst. (Me_2CO or EtOH). Mp 128-129°.

B,2HCl: Cryst. (EtOH). Mp 132-134°.

Citrate (1:1): [2572-63-6]. *Euclidan. Nutrin. Soclidan. Nicametate citrate, JAN.* Mp 123-125°.

Blicke, F.F. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1722 (*synth*)

Roux, G. *et al*, *Therapie*, 1961, **16**, 265 (*pharmacol*)

Zawisza, T. *et al*, *Pol. J. Pharmacol. Pharm.*, 1973, **25**, 447 (*synth*)

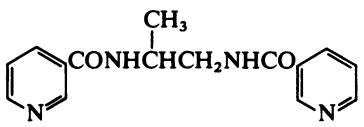
Seki, K. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 4116 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9257.

Nicaraven, INN N-00087

N,N′-(*1-Methyl-1,2-ethanediyl*)*bis*[*3-pyridinecarboxamide*], *9CI. 1,2-Bis(nicotinamido)propane. AVS*

[79455-30-4]



$C_{15}H_{16}N_4O_2$ M 284.317

(±)-*form*

Cerebral vasodilator. Antithrombotic agent. Used to treat brain oedema. Cryst. (EtOAc). Mp 156-157°.

Eur. Pat., 29 602, (*1981*); *CA*, **95**, 168999 (*synth, pharmacol*)

Asano, T. *et al*, *Neurol. Res.*, 1984, **6**, 49 (*pharmacol*)

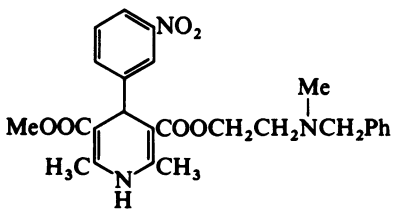
Koide, T., *Bioelectrochem. Bioenerg.*, 1987, **18**, 307 (*rev*)

Nawata, Y. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 2249 (*cryst struct*)

Nicardipine, BAN, INN N-00088

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-(dimethylamino)ethyl phenylmethyl ester, 9CI

[55985-32-5]



$C_{26}H_{29}N_3O_6$ M 479.532

Vasodilator, antihypertensive agent, calcium antagonist. Pale-yellow needles (isopropyl ether). Mp 76-78°. Used mainly as hydrochloride.

B,HCl: [54527-84-3]. *Nicardipine hydrochloride, USAN, JAN. Other proprietary names.* Isol. in two cryst. forms. Mp 168-170°, Mp 179-181°.

▷US7972100.

Takenaka, T. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 2172 (*pharmacol*)

Iwanami, M. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1426 (*synth*)

Ohno, S. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1589 (*synth, pharmacol*)

Sorkin, E.M. *et al*, *Drugs*, 1987, **33**, 296 (*rev, pharmacol*)

Hasegawa, G.R., *Clin. Pharm.*, 1988, **7**, 97 (*rev*)

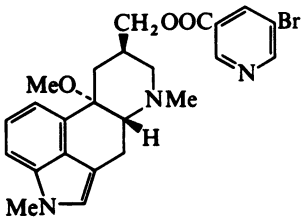
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7413 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13008.

Nicergoline, BAN, INN **N-00089**

(8β)-10-Methoxy-1,6-dimethylergoline-8-methanol 5-bromo-3-pyridinecarboxylate, 9CI. 10-Methoxy-1,6-dimethylergoline-8β-methanol 5-bromonicotinate, 8CI. Nargoline. Nicotergoline. Nimergoline. Sermion. Other proprietary names

[27848-84-6]



$C_{24}H_{26}BrN_3O_3$ M 484.392

Peripheral vasodilator. Mp 136-138°.

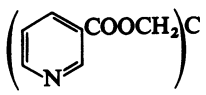
▷KE6341000.

Arcari, G. *et al*, *Experientia*, 1972, **28**, 819.
Bernardi, L. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 789 (*synth, pharmacol*)
Neumann, B.W. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1206 (*numerous papers*)
Shintomi, K. *et al*, *J. Pharmacobio-Dyn.*, 1987, **10**, 35 (*pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7056 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1514.

Niceritrol, BAN, INN, JAN **N-00090**

3-Pyridinecarboxylic acid 2,2-bis[[3-pyridinylcarbonyl)oxy]methyl]-1,3-propanediyl ester, 9CI. Nicotinic acid neopentanetetrayl ester, 9CI. Bufon. Bufor. Cardiolipol. Perycit. Perysit. 8 AL. SK 1

[5868-05-3]



$C_{29}H_{24}N_4O_8$ M 556.531

Hypocholesterolaemic agent. Mp 160-164°.

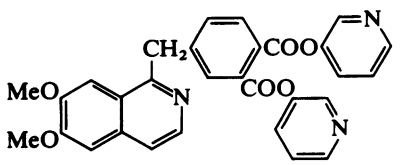
▷QT1980000.

B.P., 1 053 689, (*1967*); *CA*, **66**, 104907e (*synth*)
Brattsand, R. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1335 (*metab*)
Brattsand, R. *et al*, *Acta Pharmacol. Toxicol.*, 1975, **36**, 203 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9258.

Niceverine, INN **N-00091**

4-[(6,7-Dimethoxy-1-isoquinolyl)methyl]-pyrocatecholdinicotinate, 8CI. Bisnicotinyldimethylmethylpapaveroline. RC 167

[2545-24-6]



$C_{30}H_{23}N_3O_6$ M 521.528

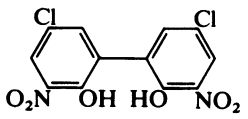
Spasmolytic, antihypertensive agent. Mp 110-112°.

Fr. Pat., M794, (*1961*); *CA*, **58**, 2439b (*synth, pharmacol*)
Cahen, R. *et al*, *Med. Pharmacol. Expts.*, 1966, **14**, 31 (*tox, pharmacol*)

Niclofolan, BAN, INN **N-00092**

5,5'-Dichloro-3,3-dinitro[1,1'-biphenyl]-2,2'-diol, 9CI. 4,4'-Dichloro-6,6-dinitro-o,o'-biphenol. Menichlopholan. Bilevon M. *Bilevon* R. *Dertil. Distolon. Bayer 9015. Me 3625*

[10331-57-4]



$C_{12}H_6Cl_2N_2O_6$ M 345.095

Anthelmintic (fasciolicide). No phys. props. reported.

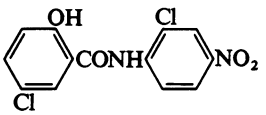
▷DV5075000.

U.S.P., 3 082 151, (*1963*); *CA*, **59**, 2599 (*synth, pharmacol*)
Lane, P.J. *et al*, *Vet. Rec.*, 1967, **80**, 702 (*props*)
Boersema, J.H., *CA*, 1975, **82**, 80171 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13009.

Niclosamide, BAN, INN, USAN **N-00093**

5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide, 9CI. 2',5-Dichloro-4'-nitrosalicylanilide, 8CI. 5-Chloro-N-(2-chloro-4-nitrophenyl)salicylamide. 3,2'-Dichloro-6-hydroxy-4'-nitrobenzanilide. Phenasal. Numerous proprietary names

[50-65-7]



$C_{13}H_8Cl_2N_2O_4$ M 327.123

Anthelmintic. Pale-yellow cryst. Sl. sol. $EtOH_3$ $CHCl_3$, Et_2O. Mp 225-230°.

▷VN8400000.

2-Aminoethanol salt (1:1): [1420-04-8]. *Baylucit. Bayluscide. Clonitralide.* Mp 204°.

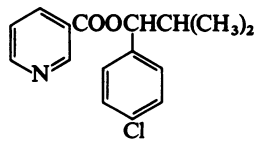
▷VN8575000.

Bekhli, A.F. *et al*, *Med. Prom. SSSR*, 1965, **19**, 25; *CA*, **63**, 17959 (*synth*)
Weuffen, W. *et al*, *Pharmazie*, 1968, **23**, 308 (*pharmacol*)
Kosheleva, L.I. *et al*, *Zh. Obshch. Khim.*, 1975, **45**, 407 (*ir*)
Dubey, S.K. *et al*, *J. Med. Chem.*, 1978, **21**, 1178 (*synth, pharmacol*)
Andrews, P. *et al*, *Pharmacol. Ther.*, 1983, **19**, 245 (*rev, pharmacol*)
Owen, J.T.R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 161 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2622 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 793.

Nicoclonate, INN **N-00094**

1-(4-Chlorophenyl)-2-methylpropyl 3-pyridinecarboxylate, 9CI. p-*Chloro-α-isopropylbenzyl nicotinate. Lipidium. S 486*

[10571-59-2]



$C_{16}H_{16}ClNO_2$ M 289.761

(±)-*form*

Antilipidaemic agent. Needles (MeOH aq.). Mp 61-62°.

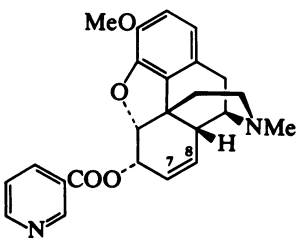
B,HCl: Cryst. (MeOH). Mp 124-127°.

Fr. Pat., M3454, (*1965*); *CA*, **65**, 13667a (*synth, pharmacol*)
Nordmann, J. *et al*, *Gazz. Med. Ital.*, 1976, **135**, 735; 1977, **136**, 11 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1352.

Nicocodine, BAN, INN **N-00095**

7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol 3-pyridinecarboxylate, 9CI. Codeine nicotinate. Lyopect. Tusscodin retard. RC 146

[3688-66-2]



$C_{24}H_{24}N_2O_4$ M 404.465

Narcotic analgesic. Antitussive. Cryst. (EtOH). Mp 134-135°.

▷QD1225000.

B,HCl: Mp 263-263.5°.

7,8-Dihydro: [808-24-2]. ***Nicodicodine,*** *BAN, INN.* $C_{24}H_{26}N_2O_4$ M 406.480

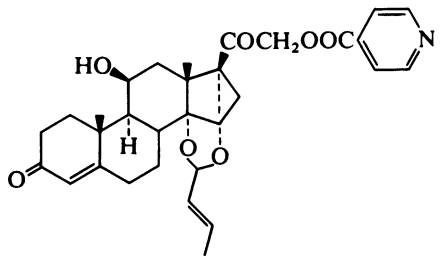
Antitussive. Mp 145°.

Boucherle, A. *et al*, *Bull. Soc. Chim. Fr.*, 1960, 1222 (*synth*)
Pongratz, A. *et al*, *Monatsh. Chem.*, 1960, **91**, 396 (*synth*)
Cahen, R. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1963, **143**, 466 (*pharmacol*)
Cahen, R. *et al*, *Compt. Rend. Soc. Biol.*, 1964, **158**, 1021 (*Nicodicodine*)
Cahen, R. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1965, **261**, 275 (*Nicodicodine*)

Nicocortonide, INN **N-00096**

14,17-[2-Butenylidenebis(oxy)]-11β-hydroxy-21-[(4-pyridinylcarbonyl)oxy]pregn-4-ene-3,20-dione, 9CI. 11β,14,17,21-Tetrahydroxypregn-4-ene-3,20-dione cyclic 14,17-acetal with crotonaldehyde 21-nicotinate

[65415-41-0]



$C_{31}H_{37}NO_7$ M 535.636

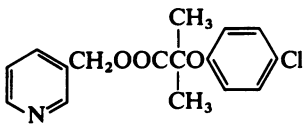
Antiinflammatory, antiallergic agent.

Saarni, H. *et al*, *Br. J. Dermatol.*, 1980, **103**, 167 (*pharmacol*)

Nicofibrate, INN **N-00097**

3-Pyridylmethyl 2-(p-chlorophenoxy)-2-methylpropionate, 8CI. Clofenpyride. Arterium. Cloniacol

[31980-29-7]



$C_{16}H_{16}ClNO_3$ M 305.760

Antihyperlipidaemic drug. Mp 48-49°. $Bp_{0.4}$ 180°.

▷UE9515000.

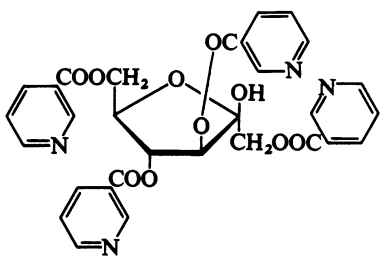
B,HCl: [17413-51-3]. Cryst. (EtOAc). Mp 115.5-118.5°.

Carlson, L.A. *et al*, *Acta Pharm. Suec.*, 1972, **9**, 405 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1353.

Nicofuranose, INN, BAN **N-00098**

β-D-Fructofuranose 1,3,4,6-tetra-3-pyridinecarboxylate, 9CI. D-Fructofuranose 1,3,4,6-tetranicotinate, 8CI. ES 304. Bradilan. Buclidan. Vasperdil

[15351-13-0]



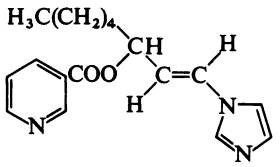
$C_{30}H_{24}N_4O_{10}$ M 600.540

Peripheral vasodilator. Mp 145-146°. $[\alpha]_D^{18}$ −8.5° ($CHCl_3$).

B.P., 1 197 978, (*1970*); *CA*, **73**, 77559d (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9259.

Nicogrelate, INN **N-00099**

1-[2-(1H-Imidazol-1-yl)ethenyl]hexyl 3-pyridinecarboxylate, 9CI. *3-Imidazol-1-ylpentylallyl nicotinate. CBS 634*



$C_{17}H_{21}N_3O_2$ M 299.372

(±)-(*E*)-form [80614-21-7]

Antithrombotic agent. Oil.

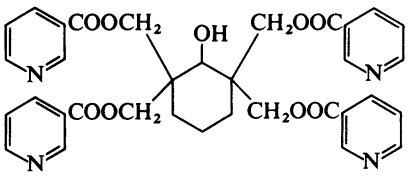
B,2HCl: [80614-20-6]. Cryst. ($MeOH/Et_2O$). Mp 145-148°.

Eur. Pat., 33 432, (*1981*); *CA*, **96**, 68695t (*synth, pharmacol*)

Nicomol, INN **N-00100**

3-Pyridinecarboxylic acid (2-hydroxy-1,3-cyclohexanediylidene)tetrakis(methylene ester), 9CI. *Atomirate. Cholexamin. Dexophan. Fibritamine. Nicolenta. Nicomolamine. K 31*

[27959-26-8]



$C_{34}H_{32}N_4O_9$ M 640.648

Hypocholesterolaemic agent. Cryst. (AcOH aq.). Mp 177-180°.

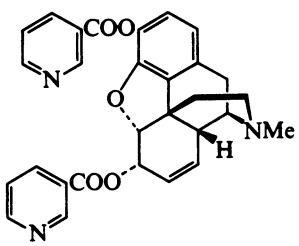
▷QT2065000.

Belg. Pat., 658 422, (*1965*); *CA*, **64**, 4875 (*synth, pharmacol*)
Irikura, T. *et al*, *Pharmacometrics*, 1968, **2**, 237 (*synth, props*)
Kitagawa, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 552 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13011.

Nicomorphine, BAN, INN **N-00101**

(5α,6α)-7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol di-3-pyridinecarboxylate, 9CI. *Gevilan. Gewalan. Nicophine. Suballan. Vendal. Vilan*

[639-48-5]



$C_{29}H_{25}N_3O_5$ M 495.534

Narcotic analgesic. Mp 178-178.5°.

▷Addictive

B,HCl: [35055-78-8].
$C_{30}H_{27}N_3O_5$ M 509.560
Dec. at 248°.

Pongratz, A. *et al*, *Monatsh. Chem.*, 1957, **88**, 330 (*synth*)
Zirm, K.L. *et al*, *Arzneim.-Forsch.*, 1959, **9**, 511; 1960, **10**, 137 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13012.

Nicorandil, USAN, INN **N-00102**

N-[2-(Nitrooxy)ethyl]-3-pyridinecarboxamide, 9CI. *N-(2-Hydroxyethyl)nicotinamide nitrate. Perisalol. Sigmart. Siomart. NCR. SG 75*

[65141-46-0]



$C_8H_9N_3O_4$ M 211.177

Coronary vasodilator. Needles ($Et_2O/EtOH$). Mp 92-93°.

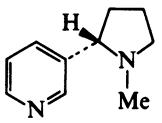
B,HCl: [65141-45-9]. Cryst. (EtOH). Mp 132°.
B,HNO_3: [65141-58-4]. Cryst.

Ger. Pat., 2 714 713, (*1977*); *CA*, **88**, 22652 (*synth, pharmacol*)
Taira, N. *et al*, *Clin. Exp. Pharmacol. Physiol.*, 1979, **6**, 301 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16912.

Nicotine **N-00103**

3-(1-Methyl-2-pyrrolidinyl)pyridine, 9CI. *1-Methyl-2-(3-pyridyl)pyrrolidine*

[75202-10-7]



(*S*)-form
Absolute configuration

$C_{10}H_{14}N_2$ M 162.234

(*R*)-form [25162-00-9]

Synthetic. Liq. Bp_{729} 245.5-246.5°.

▷QS5260000.

Dipicrate: Mp 224-225°.

(*S*)-form [54-11-5]

Alkaloid from *Nicotiana tabacum* and other *N.* spp. (Solanaceae), *Asclepias syriaca* (Asclepiadaceae), *Lycopodium* spp., *Equisetum arvense*, *Sedum acre* (Crassulaceae) and other spp. Rare spread of occurrence between angiosperms and cryptogametes. Horticultural insecticide. $Bp_{730.5}$ 246.1°. $[\alpha]_D$ −166° to −169°.

▷Highly toxic, causes respiratory paralysis. Fatal human dose ~50 mg. QS5250000.

B,HI: [6012-23-3]. Mp 195°.
Dipicrate: Mp 224° (218°).
1'-N-Oxide: [491-26-9]. ***Nicotine 1'-N-oxide. Oxynicotine.***
$C_{10}H_{14}N_2O$ M 178.233
Alkaloid identified in the leaves, stems and roots of *N. tabacum*, *N. affinis* and *N. sylvestris* (Solanaceae). Both diastereoisomers identified.
Salicylate: [29790-52-1]. *Eudermol. Nicotinyl salicylate.* Parasiticide (for scabies). Six sided plates. Mp 118°. $[\alpha]_D^{20}$ +13.0° (c, 9).

▷QS9600000.

Complex with methacrylic acid/divinyl benzene polymer: [96055-45-7]. *Nicotine polacrilex, USAN. Nicorette.* Used as a smoking deterrent.

(±)-form [22083-74-5]

Liq.

Dipicrate: Mp 218°.
B,MeI: Mp 219°.

Karrer, P. *et al*, *Helv. Chim. Acta*, 1925, **8**, 364 (*abs config*)

Swan, M.L. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1341 (*uv*)
Witkop, B., *J. Am. Chem. Soc.*, 1954, **76**, 5597 (*ir*)
Hellmann, H. *et al*, *Justus Liebigs Ann. Chem.*, 1964, **672**, 97 (*synth*)
Duffield, A.M. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 2926 (*ms*)
Breuer, E. *et al*, *Tetrahedron Lett.*, 1969, 3595 (*synth*)
Phillipson, J.D. *et al*, *Phytochemistry*, 1975, **14**, 2683 (*oxide*)
Crain, W.O. *et al*, *J. Am. Chem. Soc.*, 1971, **93**, 990 (*cmr*)
Kim, H.S. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 1123 (*cryst struct, salicylate*)
Hutchinson, C.R. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6006 (*biosynth*)
Whidby, J.F. *et al*, *J. Org. Chem.*, 1976, **41**, 1585 (*pmr, config*)
Enzell, C.R. *et al*, *Fortschr. Chem. Org. Naturst.*, 1977, **34**, 44 (*rev*)
Banerjee, A. *et al*, *Life Sci. Adv.*, 1982, **1**, 327 (*rev, pharmacol*)
Schievelbein, H., *Pharmacol. Ther.*, 1982, **18**, 233 (*rev, metab*)
Wigle, I.D. *et al*, *J. Chem. Soc., Chem. Commun.*, 1982, 662 (*biosynth*)
Aceto, M.D. *et al*, *CRC Handb. Stereoisomers: Drugs Psychopharmacol*, 1984, 67 (*rev*)
Seeman, J.I., *Heterocycles*, 1984, **22**, 165 (*rev*)
Slaven, R.W., *J. Heterocycl. Chem.*, 1984, **21**, 1329 (*cmr, pmr*)
Domino, E.F., *Psychopharmacol. Bull.*, 1986, **22**, 870 (*rev, pharmacol*)
Kyerematen, G.A. *et al*, *Drug Metab. Dispos.*, 1988, **16**, 125 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15303.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1997.

Nicotinuric acid N-00104

N-(3-Pyridinylcarbonyl)glycine, 9CI. *N-Nicotinoylglycine, 8CI.* *3-(Pyridylformamido)acetic acid*

[583-08-4]



$C_8H_8N_2O_3$ M 180.163

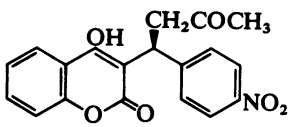
Metab. of niacin, found in urine. Also found in plants. Shows various pharmacol. props. notably depression of serum cholesterol. Cryst. (H_2O). Mp 242-244° dec. (240°).

Fox, S.W. *et al*, *J. Biol. Chem.*, 1943, **147**, 651 (*synth*)
Rohrlich, M., *Arch. Pharm. (Weinheim, Ger.)*, 1951, **284**, 6; *CA*, **45**, 10245c (*synth*)
Krishnaswamy, S. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 728 (*cryst struct*)

Nicoumalone, BAN N-00105

4-Hydroxy-3-[1-(4-nitrophenyl)-3-oxobutyl]-2H-1-benzopyran-2-one, 9CI. *3-(α-Acetonyl-4-nitrobenzyl)-4-hydroxycoumarin, 8CI.* *3-(2-Acetyl-1-p-nitrophenylethyl)-4-hydroxycoumarin.* ***Acenocoumarol, INN.*** *Acenocoumarin. Sinthrone. Sintrom. Other proprietary names*

[152-72-7]



(S)-form

$C_{19}H_{15}NO_6$ M 353.331

▷GN4900000.

(S)-form [66556-78-3]

Oral anticoagulant. Mp 191-192°. $[\alpha]_D$ −225° (c, 1 in 0.5*M* NaOH).

(±)-form [70897-81-3]

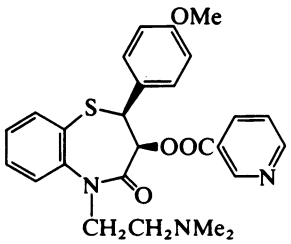
Cryst. (Me_2CO aq.). Mp 196-199°.

U.S.P., 2 648 682, (*1953*); *CA*, **49**, 2522g (*synth*)
Jindal, M.N. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 878 (*pharmacol*)
Wheeler, C.R. *et al*, *J. Med. Chem.*, 1979, **22**, 1122 (*abs config, resoln*)
Godbillon, J. *et al*, *Br. J. Clin. Pharmacol.*, 1981, **12**, 621 (*pharmacol, isom*)
Thijssen, H.H.W. *et al*, *Drug Metab. Dispos.*, 1985, **13**, 593 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5111 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4817.

Nictiazem, INN N-00106

3-Pyridinecarboxylic acid 5-[2-(dimethylamino)ethyl]-2,3,4,5-tetrahydro-2-(4-methoxyphenyl)-4-oxo-1,5-benzothiazepin-3-yl ester, 9CI. *SAS 1310*

[95058-70-1]



$C_{26}H_{27}N_3O_4S$ M 477.577

cis-(+)-form

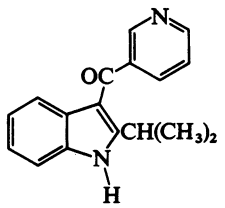
Coronary vasodilator (calcium antagonist). Mp 159.5-161°. $[\alpha]_D^{20}$ +57° (c, 1 in MeOH).

Belg. Pat., 900 192, (*1984*); *CA*, **102**, 113539 (*synth*)
Cargnelli, G. *et al*, *Eur. J. Pharmacol.*, 1987, **136**, 163 (*pharmacol*)

Nictindole, INN N-00107

[2-(1-Methylethyl)-1H-indol-3-yl]-3-pyridinylmethanone, 9CI. *2-Isopropylindol-3-yl 3-pyridyl ketone. L 8027*

[36504-64-0]



$C_{17}H_{16}N_2O$ M 264.326

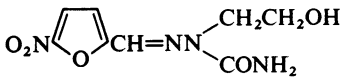
Antiinflammatory agent. Cryst. (THF). Mp 227°.

Colot, M. *et al*, *Therapie*, 1973, **28**, 775 (*pharmacol*)
Descamps, M. *et al*, *Chim. Ther.*, 1973, **8**, 173 (*synth, pharmacol*)
Rosseels, G. *et al*, *Bull. Soc. Chim. Belg.*, 1975, **84**, 263 (*synth*)
Bergman, J. *et al*, *Heterocycles*, 1982, **19**, 297 (*synth*)

Nidroxyzone, INN **N-00108**

1-(2-Hydroxyethyl)-2-[(5-nitro-2-furanyl)methylene]-hydrazinecarboxamide, 9CI. 5-Nitro-2-furaldehyde 2-(2-hydroxyethyl)semicarbazone, 8CI. Furadroxyl. Furaxolon. Hydroxyethylnitrofurazone. NF 67

[405-22-1]



$C_8H_{10}N_4O_5$ M 242.191

Antiinfective agent. Bright-orange plates. Mp 214-216° dec.

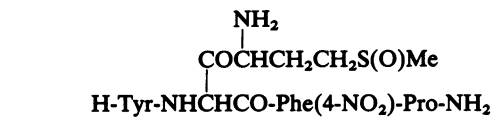
▷LT7400000.

Kashiwara, M. *et al*, *J. Chem. Soc. Jpn.*, 1952, **55**, 593 (*synth*)
Hayes, K. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 2282 (*synth*)
Ger. Pat., 974 710, (*1961*); *CA*, **57**, 7233c (*synth*)

Nifalatide **N-00109**

L-Tyrosyl-γ-(methylsulfinyl)-D-α-aminobutyrylglycyl-4-nitro-L-phenylalanyl-L-prolinamide, 9CI

[73385-60-1]



$C_{30}H_{39}N_7O_9S$ M 673.740

Antidiarrhoeal.

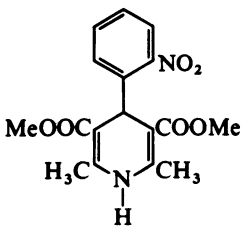
B,AcOH: [98311-64-9]. *Nifalatide acetate. BW 942C.* $[\alpha]_D^{25}$ +6.1° (c, 0.12 in MeOH).

B.P., 1 604 850, (*1979*); *CA*, **91**, 57548t (*synth, pharmacol*)
Morgan, D.R. *et al*, *Infect. Immun.*, 1985, **48**, 754 (*pharmacol*)
Ryan, J. *et al*, *Clin. Pharmacol. Ther.*, 1986, **39**, 40 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19568.

Nifedipine, BAN, USAN, INN, JAN **N-00110**

1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic acid dimethyl ester, 9CI, 8CI. Adalat. Numerous proprietary names

[21829-25-4]



$C_{17}H_{18}N_2O_6$ M 346.339

Coronary vasodilator, calcium-channel blocker, antihypertensive agent. Yellow cryst. Sol. Me_2CO, $CHCl_3$. Mp 172-174°. Soln. v. light sensitive.

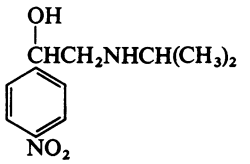
▷US7975000.

Vater, W. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1, 15, 330 (*pharmacol*)
Loev, B. *et al*, *J. Med. Chem.*, 1974, **17**, 956 (*synth*)
Bossert, F. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1981, **20**, 762 (*rev*)
Kurfurst, A. *et al*, *Collect. Czech. Chem. Commun.*, 1984, **49**, 2393 (*pmr, cmr*)
Pine, R.M. *et al*, *Clin. Ther.*, 1984, **6**, 245 (*rev*)
Hugenholz, P.G., *Handb. Exp. Pharmacol.*, 1985, **76**, 459 (*rev*)
Krebs, R., Ed., *Treatment of Cardiovascular Diseases by Adalet (Nifedipine)*, Schatteur, Stuttgart, Ger., 1986 (*book*)
Swanson, T.H. *et al*, *Gen. Pharmacol.*, 1986, **17**, 255 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4359 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9263.

Nifenalol, INN **N-00111**

α-[[(1-Methylethyl)amino]methyl]-4-nitrobenzenemethanol, 9CI. α-[(Isopropylamino)methyl]-p-nitrobenzyl alcohol, 8CI. Isophenethanol. Impeasel. Inepa. Inpea

[5054-57-9]



$C_{11}H_{16}N_2O_3$ M 224.259

▷DO8700000.

(R)-form [5302-35-2]

Pharmacol. active isomer.

B,HCl: [7388-03-6]. Mp 217-218°. $[\alpha]_D^{20}$ −41° (c, 2 in H_2O).

(±)-form [7413-36-7]

Beta-adrenergic blocking agent used for treatment of angina. Mp 98°.

B,HCl: [5704-60-9]. Mp 181°.

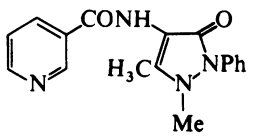
▷DO8720000.

Teotino, U.M. *et al*, *Farmaco, Ed. Sci.*, 1962, **17**, 252 (*synth*)
Somani, P. *et al*, *J. Pharmacol. Exp. Ther.*, 1965, **147**, 194 (*pharmacol*)
Almirante, L. *et al*, *J. Med. Chem.*, 1966, **9**, 650 (*isomers*)
Balsamo, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 471 (*nmr*)
Lindner, W. *et al*, *J. Chromatogr.*, 1984, **316**, 605 (*resoln, hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6316.

Nifenazone, BAN, INN **N-00112**

N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl)-3-pyridinecarboxamide, 9CI. N-Antipyrinylnicotinamide, 8CI. Nicotinoylaminophenazone. Thylin. Numerous proprietary names

[2139-47-1]



$C_{17}H_{16}N_4O_2$ M 308.339

Possesses antipyretic and analgesic activity. Cryst. (EtOH). Mp 256-258°.

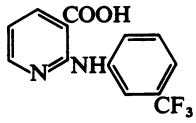
▷QS4005000.

Pongratz, A. *et al*, *Monatsh. Chem.*, 1957, **88**, 330 (*synth*)
Zorn, B. *et al*, *Pharmazie*, 1957, **12**, 396 (*synth, pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1966, **31**, 41 (*synth*)
Katsnel'son, M.G. *et al*, *CA*, 1967, **66**, 75952 (*synth*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 61 (*cmr*)
Beyer, K.H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1985, **318**, 855 (*metab*)
Marciniec, B., *Pharmazie*, 1985, **40**, 110 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4304 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2676.

Niflumic acid, INN **N-00113**

2-[[3-Trifluoromethyl)phenyl]amino-3-pyridinecarboxylic acid, 9CI. 2-[3-(Trifluoromethyl)anilino]nicotinic acid, 8CI. Actol. Forenol. Landruma. Nifluril. UP 83

[4394-00-7]



$C_{13}H_9F_3N_2O_2$ M 282.222

Antiinflammatory drug; analgesic. Mp 204°.

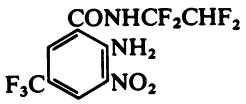
▷QT2999100.

Hoffmann, C. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 2316 (*synth*)
Glasson, B. *et al*, *Biochem. Pharmacol.*, 1969, **18**, 633 (*pharmacol, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2640 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2677.

Nifluridide, USAN **N-00114**

N-[2-Amino-3-nitro-5-(trifluoromethyl)phenyl]-2,2,3,3-tetrafluoropropanamide, 9CI. 6'-Amino-α,α,α,2,2,3,3-heptafluoro-5'-nitro-m-propionotoluidide. EL 968. Lilly 109168. Ly 109168

[61444-62-0]



$C_{10}H_6F_7N_3O_3$ M 349.165

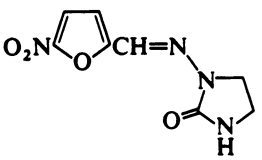
Ectoparasiticide. Mp 144-145°.

U.S.P., 3 989 840, (*1976*); *CA*, **86**, 84756 (*synth, props*)
Boisvenue, R.J. *et al*, *Experientia*, 1980, **36**, 189 (*props*)
West, S.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 111 (*hplc*)

Nifuradene, USAN, INN **N-00115**

1-[[(5-Nitro-2-furanyl)methylene]amino]-2-imidazolidinone, 9CI. 1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone, 8CI. Oxafuradene. Renafur. NF 246. NSC 6470

[555-84-0]



$C_8H_8N_4O_4$ M 224.176

Antibacterial agent. Lemon-yellow solid ($MeNO_2$). Mp 261.5-263° dec.

▷NJ0875000.

N-(*2-Hydroxyethyl*): [5036-03-3]. ***Nifurdazil,*** *USAN, INN. Edrofuradene. NF 1010.*
$C_{10}H_{12}N_4O_5$ M 268.229
Antibacterial agent. Mp 199.5-201.5°.

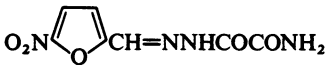
▷NJ0700000.

Michels, J.G. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 5349 (*synth*)
Ronald, A.R. *et al*, *Antimicrob. Agents Chemother.*, 1967, 506 (*props*)
Snyder, H.R. *et al*, *J. Med. Chem.*, 1970, **13**, 756; 1975, **18**, 524 (*deriv, pharmacol*)
Pugh, D.L. *et al*, *J. Med. Chem.*, 1972, **15**, 270 (*metab*)

Nifuraldezone, INN, USAN **N-00116**

Aminooxoacetic acid [(5-nitro-2-furanyl)methylene]-hydrazide, 9CI. 5-Nitro-2-furaldehyde semioxamazone, 8CI. Furamazone. Aldefur. NF 84. NSC 3184

[3270-71-1]



$C_7H_6N_4O_5$ M 226.148

Antibacterial agent. Yellow cryst. powder. Mp 250° dec.

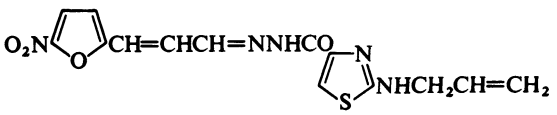
▷LT7750000.

Ger. Pat., 974 710, (*1961*); *CA*, **57**, 7233c (*synth, pharmacol*)

Nifuralide, INN **N-00117**

2-(2-Propenylamino)-4-thiazolecarboxylic acid [3-(5-nitro-2-furanyl)-2-propenylidene]hydrazide, 9CI. 2-(Allylamino)-4-thiazolecarboxylic acid [3-(5-nitro-2-furyl)allylidene]hydrazide. CB 12025

[54657-96-4]



$C_{14}H_{13}N_5O_4S$ M 347.348

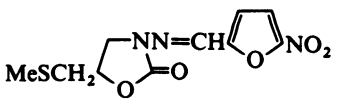
Antibacterial and antifungal agent. Mp 196-198°.

Ger. Pat., 2 500 490t, (*1975*); *CA*, **83**, 193293t (*synth, pharmacol*)

Nifuratel, BAN, USAN, INN **N-00118**

5-[(Methylthio)methyl]-3-[[(5-nitro-2-furanyl)-methylene]amino]-2-oxazolidinone, 9CI. 5-Methylthiomethyl-3-(5-nitrofurfurylideneamino)oxazolidin-2-one, 8CI. Methylmercadone. Inimur. Macmiror. Magmilor. Omnes. Polmiror. Thiodinone. Tydantil. NF 113. SAP 113

[4936-47-4]



$C_{10}H_{11}N_3O_5S$ M 285.274

Antibacterial and antifungal agent, also used in the treatment of trichomoniasis. Cryst. (AcOH). Mp 182°.

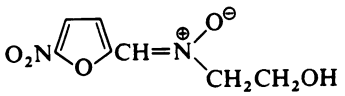
▷RQ3590000.

Belg. Pat., 635 608, (*1963*); *CA*, **61**, 16069 (*synth*)
Scuri, R. *et al*, *Farmaco, Ed. Sci.*, 1964, **19**, 301 (*pharmacol*)
Fr. Pat., M 4 544, (*1966*); *CA*, **69**, 59221 (*synth, pharmacol*)
Friberger, P. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1945 (*metab*)
Wildfever, A., *Arzneim.-Forsch.*, 1974, **24**, 937 (*use*)
Hamilton-Miller, J.M.T. *et al*, *Chemotherapy (Basel)*, 1978, **24**, 161 (*use*)
Pitzus, E. *et al*, *J. Int. Med. Res.*, 1978, **6**, 414 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4789.

Nifuratrone, USAN, INN **N-00119**

2-[[(5-Nitro-2-furanyl)methylene]amino]ethanol N-oxide, 9CI. *N-(2-Hydroxyethyl)-α-(5-nitro-2-furyl)-nitrone,* 9CI. *WSM 10166*

[19561-70-7]



$C_7H_8N_2O_5$ M 200.151

Antibacterial agent. Cryst. (EtOH). Mp 151-152°.

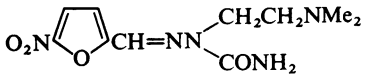
▷QX8530000.

B.P., 1 105 007, (*1968*); *CA*, **69**, 86809e (*synth, pharmacol*)
Ritter, H.W. *et al*, *Antimicrob. Agents Chemother.*, 1970, 254, 260 (*pharmacol*)
Kliegel, W. *et al*, *Chem. Ber.*, 1983, **116**, 27 (*synth*)

Nifurethazone, INN **N-00120**

1-[2-(Dimethylamino)ethyl]-2-[(5-nitro-2-furanyl)-methylene]hydrazinecarboxamide, 9CI. *5-Nitro-2-furaldehyde 2-[2-(dimethylamino)ethyl]semicarbazone*

[5580-25-6]



$C_{10}H_{15}N_5O_4$ M 269.260

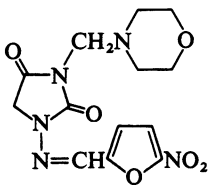
Antibacterial agent. Mp 160°.

Ebetino, F.F., *J. Org. Chem.*, 1964, **29**, 2582 (*synth*)
Buzard, J.A. *et al*, *Br. J. Pharmacol.*, 1965, **24**, 266 (*pharmacol*)
Wang, T.S., *Appl. Spectrosc.*, 1968, **22**, 167 (*ir*)

Nifurfoline, INN **N-00121**

3-(Morpholinomethyl)-1-[(5-nitrofurfurylidene)-amino]hydantoin, 8CI. *Furobactil. Om-Furan. Urbac*

[3363-58-4]



$C_{13}H_{15}N_5O_6$ M 337.291

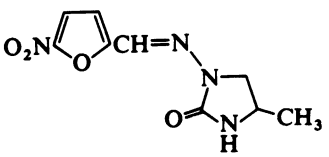
Antibacterial agent. Mp 194-196° (206°).

E. Ger. Pat., 50 615, (*1966*); *CA*, **66**, 65501w (*synth, pharmacol*)

Nifurimide, USAN, INN **N-00122**

4-Methyl-1-[[(5-nitro-2-furanyl)methylene]amino]-2-imidazolidinone, 9CI. *4-Methyl-1-[(5-nitrofurfurylidene)amino]-2-imidazolidinone,* 8CI. *NF 1120*

[21638-36-8]



$C_9H_{10}N_4O_4$ M 238.202

▷NJ0750000.

(±)-*form* [15179-96-1]

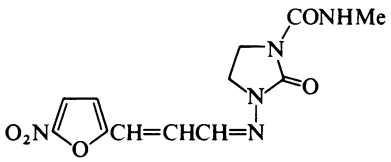
Antibacterial agent. Mp 240.0-240.5°.

Snyder, H.R. *et al*, *J. Med. Chem.*, 1975, **18**, 942 (*synth, pharmacol*)

Nifurizone, INN **N-00123**

N-Methyl-3-[[3-(5-nitro-2-furyl)allylidene]amino]-2-oxo-1-imidazolidinecarboxamide, 8CI. *1-(Methylcarbamoyl)-3-[[3-(5-nitro-2-furyl)allylidene]amino]-2-imidazolidinone. 11380 CB*

[26350-39-0]



$C_{12}H_{13}N_5O_5$ M 307.265

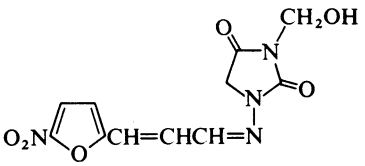
Antibacterial agent. Orange-yellow cryst. Mp 268-270°.

Ger. Pat., 1 932 844, (*1970*); *CA*, **72**, 90493b (*synth, pharmacol*)

Nifurmazole, INN **N-00124**

3-(Hydroxymethyl)-1-[[3-(5-nitro-2-furyl)allylidene]-amino]hydantoin, 8CI. *10615 CB*

[18857-59-5]



$C_{11}H_{10}N_4O_6$ M 294.223

Antibacterial agent. Mp 195-198°.

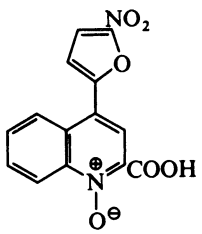
▷MU2480000.

Fr. Pat., 1 489 091, (*1967*); *CA*, **69**, 19154z (*synth, pharmacol*)
Vindel, J. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1970, **270**, 2512 (*pharmacol*)
Tekeli, S. *et al*, *Cancer Res.*, 1973, **33**, 2894 (*tox*)

Nifuroquine, BAN, INN **N-00125**

4-(5-Nitro-2-furanyl)-2-quinolinecarboxylic acid 1-oxide, 9CI. *Abimasten. Cehamasten. Quinaldofur. AB 467*

[57474-29-0]



$C_{14}H_8N_2O_6$ M 300.227

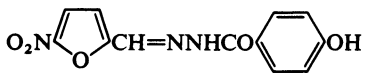
Antibacterial used for treatment of mastitis in cattle. Yellow powder. Mp 190° dec.

Ger. Pat., 2 612 250, (*1977*); *CA*, **86**, 39881g (*synth, pharmacol*)
U.S.P., 4 217 456, (*1980*); *CA*, **94**, 139636 (*synth, pharmacol*)

Nifuroxazide, INN **N-00126**

4-Hydroxybenzoic acid [(5-nitro-2-furanyl)methylene]-hydrazide, 9CI. p-*Hydroxybenzoic acid 5-nitrofurfurylidenehydrazide,* 8CI. *Diarlidan. Dicoferin. Ercefurol. RC 27109. Numerous tradenames*

[965-52-6]



$C_{12}H_9N_3O_5$ M 275.220

Antibacterial agent; used in treatment of colitis and diarrhoea. Mp 298°.

▷DH2528300.

Carron, M. *et al, Ann. Pharm. Fr.*, 1963, **61**, 287 (*synth, pharmacol*)
Gustowski, W. *et al, Rocz. Chem.*, 1963, **37**, 437 (*synth*)
El-Obeid, H.A. *et al, Pharm. Res.*, 1985, 42 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13014.

Nifurpipone, INN **N-00127**

4-Methyl-1-piperazineacetic acid [(5-nitro-2-furanyl)-methylene]hydrazide, 9CI. *Recofur. Rec 15/0122*

[24632-47-1]



$C_{12}H_{17}N_5O_4$ M 295.297

Broad spectrum antimicrobial agent. Yellow microcryst. powder. Mp 167-168° dec.

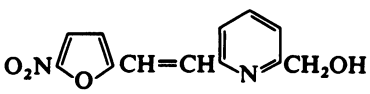
▷TK7906700.

Massarani, E. *et al, Experientia*, 1971, **27**, 1243 (*synth, pharmacol*)
Degen, L. *et al, Chemotherapy (Basel)*, 1972, **18**, 85 (*pharmacol*)
Fontani, F. *et al, Farmaco, Ed. Prat.*, 1973, **28**, 547 (*props*)
Setnikar, I. *et al, Boll. Chim. Farm.*, 1975, **114**, 73 (*tox*)

Nifurpirinol, USAN, INN **N-00128**

6-[2-(5-Nitro-2-furanyl)ethenyl]-2-pyridinemethanol, 9CI. *Furanace.* **Furpirinol, JAN.** *Furpyrinol. P 7138*

[13411-16-0]



$C_{12}H_{10}N_2O_4$ M 246.222

Antibacterial agent. Yellow needles (Me_2CO or MeOH). Mp 170-171°.

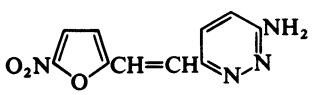
▷UT5023000.

Fujita, A. *et al, J. Pharm. Soc. Jpn.*, 1966, **86**, 1014 (*synth*)
Takase, Y. *et al, Chem. Pharm. Bull.*, 1973, **21**, 144 (*pharmacol*)

Nifurprazine, INN **N-00129**

6-[2-(5-Nitro-2-furanyl)ethenyl]-3-pyridazinamine, 9CI. *3-Amino-6-[2-(5-nitro-2-furyl)vinyl]pyridazine,* 8CI. *Furenapyridazin. Furenazin. Bonofur. Carofur. Linoman. Strensol. HB 115. MF 272*a

[1614-20-6]



$C_{10}H_8N_4O_3$ M 232.198

Topical antibacterial agent. Mp 292°.

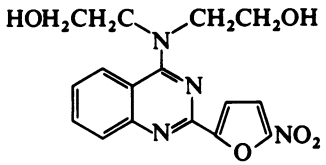
B,HCl: Mp 290°.

Belg. Pat., 630 163, (*1963*); *CA*, **60**, 14516a (*synth, pharmacol*)

Nifurquinazol, USAN, INN **N-00130**

2,2'-[[2-(5-Nitro-2-furanyl)-4-quinazolinyl]imino]-bisethanol, 9CI. *2,2'-[[2-(5-Nitro-2-furyl)-4-quinazolinyl]imino]diethanol,* 8CI. *NF 1088*

[5055-20-9]



$C_{16}H_{16}N_4O_5$ M 344.326

Antibacterial agent. Mp 167-168°.

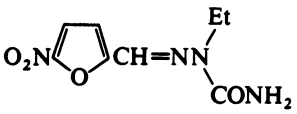
▷VA1351500.

Burch, H.A., *J. Med. Chem.*, 1966, **9**, 408 (*synth, pharmacol*)

Nifursemizone, USAN, INN **N-00131**

1-Ethyl-2-[(5-nitro-2-furanyl)methylene]-hydrazinecarboxamide, 9CI. *5-Nitro-2-furaldehyde-2-ethylsemicarbazone,* 8CI. *Etafurazone. NF 161*

[5579-89-5]



$C_8H_{10}N_4O_4$ M 226.191

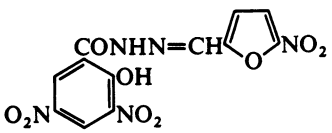
Antiprotozoal. Used in treatment of histomoniasis in poultry. Mp 203-204°.

Gever, G. *et al, J. Org. Chem.*, 1949, **14**, 813 (*synth*)
Kawabe, K. *et al, Yakugaku Zasshi*, 1960, **80**, 65; *CA*, **54**, 12091i (*synth*)
U.S.P., 3 253 987, (*1966*); *CA*, **65**, 4332 (*pharmacol*)

Nifursol, BAN, INN, USAN **N-00132**

2-Hydroxy-3,5-dinitrobenzoic acid [(5-nitro-2-furanyl)-methylene]hydrazide, 9CI. *3,5-Dinitrosalicylic acid (5-nitrofurfurylidene)hydrazide,* 8CI. *Histomon. RT 6912*

[16915-70-1]



$C_{12}H_7N_5O_9$ M 365.215

Veterinary antiprotozoal, esp. for poultry. Mp 227-229°. Component of Salfuride.

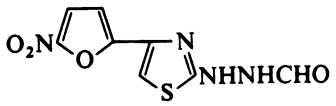
▷VO2980000.

Berndt, E.W. *et al, J. Med. Chem.*, 1969, **12**, 371 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13015.

Nifurthiazole, USAN, INN **N-00133**

2-[4-(5-Nitro-2-furanyl)-2-thiazolyl]-hydrazinecarboxaldehyde, 9CI. Formic acid 2-[4-(5-nitro-2-furyl)-2-thiazolyl]hydrazide, 8CI. AS 17665. NSC 525334

[3570-75-0]



$C_8H_6N_4O_4S$ M 254.220

Antibacterial agent. Mp 215.5° dec.

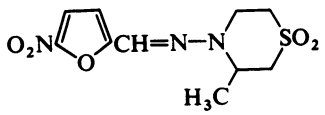
▷Carcinogenic. LQ9275000.

Holper, J.C. *et al*, *Antimicrob. Agents Chemother.*, 1962, 268 (*pharmacol*)
Sherman, W.R. *et al*, *J. Org. Chem.*, 1962, **27**, 1351 (*synth*)
Cohen, S.M. *et al*, *Cancer Res.*, 1973, **33**, 2802 (*metab*)

Nifurtimox, BAN, INN **N-00134**

3-Methyl-N-[(5-nitro-2-furanyl)methylene]-4-thiomorpholinamine 1,1-dioxide, 9CI. 3-Methyl-4-[(5-nitrofurfurylidene)amino]-4-thiomorpholine, 8CI. Lampit. Bayer 2502

[23256-30-6]



$C_{10}H_{13}N_3O_5S$ M 287.290

▷XM3020000.

(±)-form

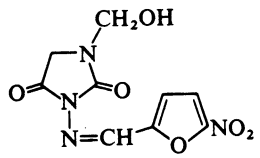
Drug used in treatment of trypanosomiasis. Orange-red cryst. (AcOH aq.). Mp 180-182°.

Bock, M. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1563 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4790.

Nifurtoinol, INN **N-00135**

3-(Hydroxymethyl)-1-[[(5-nitro-2-furanyl)methylene]-amino]-2,4-imidazolidinedione, 9CI. Hydroxymethylnitrofurantoin. Levantin. Urfadine. Urfadyne. Urfurine. Uridurine

[1088-92-2]



$C_9H_8N_4O_6$ M 268.185

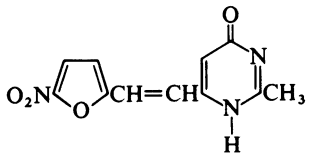
Antibacterial agent. Yellow cryst. Dec. at 270°.

Spencer, C.F. *et al*, *J. Org. Chem.*, 1964, **29**, 3416 (*synth, ir, nmr*)
English, A.R. *et al*, *Antimicrob. Agents Chemother.*, 1966, 434 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13016.

Nifurvidine, INN **N-00136**

2-Methyl-6-[2-(5-nitro-2-furanyl)ethenyl]-4(1H)-pyrimidinone, 9CI. 2-Methyl-6-[2-(5-nitro-2-furyl)vinyl]-4-pyrimidinol, 8CI

[1900-13-6]



$C_{11}H_9N_3O_4$ M 247.210

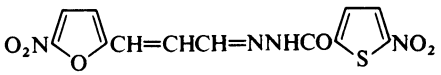
Antibacterial agent. Yellow plates (Me_2CO). Mp 303°.

Akio, F. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 1183 (*synth, pharmacol*)
Katae, H. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1030 (*props*)
Nakamura, S. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 137 (*props*)

Nifurzide, INN **N-00137**

5-Nitro-2-thiophenecarboxylic acid [3-(5-nitro-2-furanyl)-2-propenylidene]hydrazide, 9CI. Ricridene

[39978-42-2]



$C_{12}H_8N_4O_6S$ M 336.278

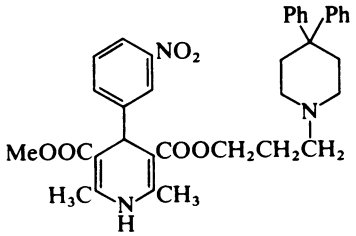
Antimicrobial agent. Mp 235-236°.

▷XM8511500.

Szarvasi, E. *et al*, *J. Med. Chem.*, 1973, **16**, 281 (*synth, pharmacol*)
Videz, S. *et al*, *Ann. Pharm. Fr.*, 1981, **39**, 451 (*pharmacol*)

Niguldipine, INN **N-00138**

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 3-(4,4-diphenyl-1-piperidinyl)-propyl methyl ester



$C_{36}H_{39}N_3O_6$ M 609.721

(+)-form [113165-32-5]

Plates. Mp 145-147°. $[\alpha]_D^{22}$ +13.9° (c, 1.0 in MeOH).

(±)-form [102993-22-6]

Antihypertensive agent.

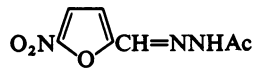
B,HCl: [113317-61-6]. Mp 135°.

Eur. Pat., 176 956, (*1986*); *CA*, **105**, 35619x (*synth, pharmacol*)
Eur. Pat., 240 828, (*1987*); *CA*, **108**, 112246q (*synth, isomers, pharmacol*)
Ger. Pat., 3 709 796, (*1987*); *CA*, **108**, 112247r (*synth, pharmacol*)

Nihydrazone, INN **N-00139**

Acetic acid [(5-nitro-2-furanyl)methylene]hydrazide, 9CI. Acetic acid 5-nitrofurfurylidenehydrazide, 8CI. Acylnidrazone. Furiton. Nidrafur. Zonifur. HC 064. NF 64

[67-28-7]



$C_7H_7N_3O_4$ M 197.150

Antibacterial, antiprotozoal (veterinary). Yellow cryst. (AcOH/EtOH). Mp 230-235° dec.

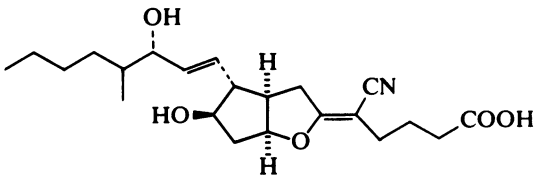
▷AJ1075000.

Ger. Pat., 974 710, (*1961*); *CA*, **57**, 7233i (*synth, pharmacol*)
Olivard, J. *et al*, *J. Med. Chem.*, 1962, **5**, 524 (*metab*)
Antkowiak, J.J. *et al*, *J. Chromatogr.*, 1967, **29**, 277 (*tlc*)

Nileprost, INN **N-00140**

5-Cyano-6,9-epoxy-11,15-dihydroxy-16-methylprosta-5,13-dien-1-oic acid, 9CI. δ-Cyano-3,3a,4,5,6,6a-hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1-octenyl)-2H-cyclopenta[b]furan-$\Delta^{2,\delta}$-valeric acid. 5-Cyano-16-methylprostacyclin. ZK 34798

[71097-83-1]



$C_{22}H_{33}NO_5$ M 391.506

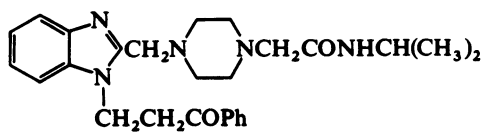
Modified prostaglandin, antihypertensive agent. Oil.

Ger. Pat., 2 753 244, (*1979*); *CA*, **91**, 91250z (*synth, ir*)
Krause, W. *et al*, *Prostaglandins, Leukotrienes Med.*, 1983, **11**, 241 (*metab*)

Nilprazole, BAN, INN **N-00141**

N-(1-Methylethyl)-4-[[1-(3-oxo-3-phenylpropyl)-1H-benzimidazol-2-yl]methyl]-1-piperazineacetamide, 9CI. MD 73442

[60662-19-3]



$C_{26}H_{33}N_5O_2$ M 447.579

Drug used for treatment of gastric ulcers, gastritis and hyperacidity.

Dimaleate: Mp 151°.

Ger. Pat., 2 557 446, (*1976*); *CA*, **85**, 192729u (*synth, pharmacol*)

Niludipine, BAN, INN **N-00142**

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid bis(2-propoxyethyl) ester, 9CI, 8CI. Bay a 7168

[22609-73-0]



$C_{25}H_{32}N_2O_8$ M 488.536

Cardiovascular drug (anti-anginal). Mp ca. 86°.

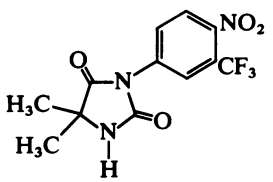
▷US7972200.

Bossert, F. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 226, 230, 246 (*synth, pharmacol*)
Hiwatari, M. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1368, 1373 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16913.

Nilutamide **N-00143**

5,5-Dimethyl-3-[4-nitro-3-(trifluoromethyl)phenyl]-2,4-imidazolidinedione, 9CI. 1-(3'-Trifluoromethyl-4'-nitrophenyl)-4,4-dimethylimidazoline-2,5-dione. Anandron. RU 23908

[63612-50-0]



$C_{12}H_{10}F_3N_3O_4$ M 317.224

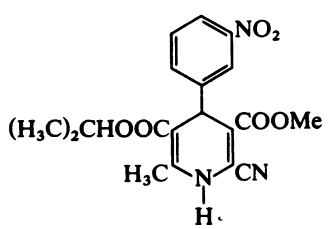
Antiandrogen. Cryst. (EtOH). Mp 149°.

Ger. Pat., 2 649 925, (*1977*); *CA*, **87**, 85005 (*synth*)
Raynaud, J.P. *et al*, *Prog. Clin. Biol. Res.*, 1985, **185A**, 99 (*rev, pharmacol*)
Moguilewsky, M. *et al*, *J. Steroid Biochem.*, 1987, **27**, 871 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2968.

Nilvadipine, INN, USAN **N-00144**

3-Methyl 5-(1-methylethyl) 2-cyano-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, 9CI. 5-Isopropyl 3-methyl 2-cyano-1,4-dihydro-6-methyl-4-(m-nitrophenyl)-3,5-pyridinedicarboxylate. Nipradipine. SKF 102362

[75530-68-6]



$C_{19}H_{19}N_3O_6$ M 385.376

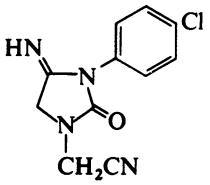
Vasodilator, calcium antagonist. Yellow prisms (EtOH). Mp 148-150°.

Ger. Pat., 2 940 833, (*1980*); *CA*, **93**, 220594g (*synth, pharmacol*)

Nimazone, USAN, INN **N-00145**

3-(4-Chlorophenyl)-4-imino-2-oxo-1-imidazolidineacetonitrile, 9CI. Win 25347

[17230-89-6]



$C_{11}H_9ClN_4O$ M 248.671

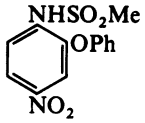
Antiinflammatory drug. Mp 123-124°.

U.S.P., 3 429 911, (*1969*); *CA*, **70**, 96783b (*synth, pharmacol*)
Perronnet, J. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 1168 (*synth*)

Nimesulide, BAN, INN **N-00146**

N-(4-Nitro-2-phenoxyphenyl)methanesulfonamide, 9CI. 2-Amino-5-nitrodiphenyl ether methanesulfonamide. Aldoron. Aulin (new). Mesulide. R 805

[51803-78-2]



$C_{13}H_{12}N_2O_5S$ M 308.308

Antiinflammatory drug. Tan cryst. (EtOH). Mp 144-147°.

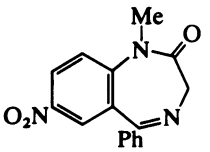
▷PB0970000.

U.S.P., 3 856 859, (*1974*); *CA*, **82**, 170368m (*synth*)
Swingle, K.F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1976, **221**, 132 (*pharmacol*)
Swingle, K.F. *et al*, *Drugs Exp. Clin. Res.*, 1984, **10**, 587 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13017.

Nimetazepam, INN **N-00147**

1,3-Dihydro-1-methyl-7-nitro-5-phenyl-2H-1,4-benzodiazepin-2-one, 9CI. S 1530. Erimin. ID-530

[2011-67-8]



$C_{16}H_{13}N_3O_3$ M 295.297

Anticonvulsant, muscle relaxant, hypnotic, tranquilliser. Pale-yellow plates (EtOH). Mp 156.5-157.5°.

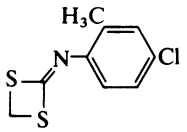
▷DF2410000.

Sternbach, L.H. *et al*, *J. Med. Chem.*, 1963, **6**, 261 (*synth*)
Sakai, S. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 534 (*pharmacol*)
Sarrazin, M. *et al*, *Org. Magn. Reson.*, 1975, **7**, 89 (*nmr*)
De Silva, J.A.F. *et al*, *Anal. Chem.*, 1976, **48**, 10 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13018.

Nimidane, USAN, INN **N-00148**

4-Chloro-N-(1,3-dithietan-2-ylidene)-2-methylbenzenamine, 9CI. Cyclic methylene (4-chloro-o-tolyl)-dithioimidocarbonate. 4-Chloro-o-tolylimino-1,3-dithietane. Abequito. CL 84,633. ENT 29,106

[50435-25-1]



$C_9H_8ClNS_2$ M 229.742

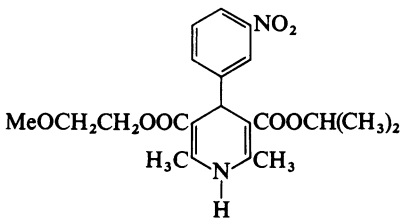
Veterinary acaricide, tickicide. Solid.

U.S.P., 3 842 096, (*1973*); *CA*, **82**, 43390n (*synth, pharmacol*)

Nimodipine, BAN, USAN, INN **N-00149**

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-methoxyethyl 1-methylethyl ester, 9CI. Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate. Nimotop

[66085-59-4]



$C_{21}H_{26}N_2O_7$ M 418.446

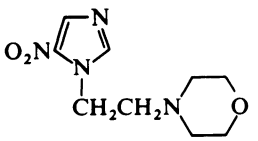
Cerebral vasodilator, calcium antagonist. Mp 125°.

B.P., 2 018 134, (*1979*); *CA*, **92**, 220691r (*synth, pharmacol*)
Meyer, H. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 407; 1983, **33**, 106 (*synth, pharmacol*)
Scriabine, A. *et al*, *Ann. N.Y. Acad. Sci.*, 1988, **522**, 698 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16914.

Nimorazole, BAN, INN **N-00150**

4-[2-(5-Nitro-1H-imidazol-1-yl)ethyl]morpholine, 9CI. Nitrimidazine. Acterol. Naxofem. Other proprietary names

[6506-37-2]



$C_9H_{14}N_4O_3$ M 226.235

Used in treatment of trichomoniasis. Cryst. (H_2O). Spar. sol. H_2O, sol. Me_2CO, EtOH, $CHCl_3$. Mp 110-111°.

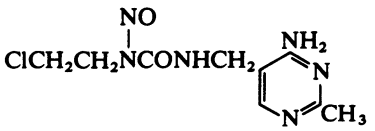
▷QE7400000.

Giraldi, P.N. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 52 (*synth, pharmacol*)
Barbiera, P. *et al*, *Boll. Chim. Farm.*, 1972, **111**, 541 (*pharmacol*)
Caplar, V. *et al*, *Acta Pharm. Jugosl.*, 1975, **25**, 71 (*synth*)
Nagarajan, K. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 1006 (*uv, pmr, ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1318 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4791.

Nimustine, INN **N-00151**

N-[(*4-Amino-2-methyl-5-pyrimidinyl)methyl*]-N-(*2-chloroethyl*)-*1-nitrosourea*, *9CI. Pimustine. NSC 245382. CS 439*

[42471-28-3]



$C_9H_{13}ClN_6O_2$ M 272.694

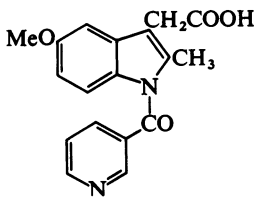
Antineoplastic (antileukaemic) agent. Yellow cryst. (EtOH). Mp 125° dec.

Ger. Pat., 2 257 360, (*1973*); *CA*, **79**, 53186c (*synth, pharmacol*)
Shimizu, F. *et al*, *Gann.*, 1975, **66**, 149 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13019.

Niometacin, INN **N-00152**

5-Methoxy-2-methyl-1-(3-pyridinylcarbonyl)-1H-indole-3-acetic acid, *9CI. 5-Methoxy-2-methyl-1-nicotinoylindole-3-acetic acid*, *8CI*

[16426-83-8]



$C_{18}H_{16}N_2O_4$ M 324.335

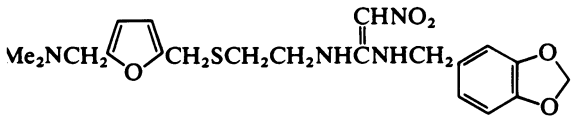
Antiinflammatory agent; antipyretic and analgesic. Yellow prisms (2-methoxyethanol). Mp 200-201°.

Yamamoto, H. *et al*, *Chem. Pharm. Bull.*, 1968, **16**, 1927 (*synth, ir, tox, pharmacol*)
U.S.P., 3 822 275, (*1974*); *CA*, **82**, 125272 (*synth, pharmacol*)
Pakula, R. *et al*, *Sci. Pharm.*, 1985, **53**, 139 (*synth*)

Niperotidine, INN **N-00153**

N-(*1,3-Benzodioxol-5-ylmethyl*)-N′-[*2-*[[*5-*[(*dimethylamino*)*methyl*]-*2-furanyl*]*methyl*]*thio*]-*ethyl*]-*2-nitro-1,1-ethenediamine*, *9CI. Gafir. AP 880*

[84845-75-0]



$C_{20}H_{26}N_4O_5S$ M 434.509

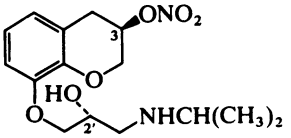
Histamine H_2-receptor antagonist. Antiulcerogenic. Cryst. (EtOH aq.). Mp 98-102°.

Belg. Pat., 894 093, (*1982*); *CA*, **98**, 107277 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2874.

Nipradilol, INN **N-00154**

3,4-Dihydro-8-[*2-hydroxy-3-*[(*1-methylethyl*)*amino*]-*propoxy-2H-1-benzopyran-3-ol 3-nitrate*, *9CI. 8-*[*2-Hydroxy-3-*(*isopropylamino*)*propoxy*]-*3-chromanol 3-nitrate. Nipiradilol. Nipradolol. K 351*

[81486-22-8]



(*2′R,3R*)-*form*

$C_{15}H_{22}N_2O_6$ M 326.349

Antihypertensive agent, β-blocker.

(***2′R,3R*)-*form*** [100570-65-8]

Needles (C_6H_6/hexane). Mp 140.3-141.0°. $[\alpha]_D^{25}$ +15.5° (c, 2 in $CHCl_3$).

(***2′R,3S*)-*form*** [100570-67-0]

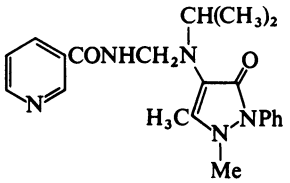
Needles (C_6H_6/hexane). Mp 105.3-106.1°. $[\alpha]_D^{28}$ −16.7° (c, 2 in $CHCl_3$).

Asada, H. *et al*, *J. Pharmacol. Exp. Ther.*, 1982, **223**, 560 (*pharmacol*)
Uchida, Y. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **262**, 132 (*pharmacol*)
Yoneda, M. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 2735 (*abs config, resoln*)
Shiratsuchi, M. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 632, 3691 (*synth, pharmacol, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19579.

Niprofazone, INN **N-00155**

N-[[(*2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1H-pyrazol-4-yl*)(*1-methylethyl*)*amino*]*methyl*]-*3-pyridinecarboxamide*, *9CI*. N-[(*Antipyrinylisopropylamino*)-*methyl*]*nicotinamide*, *8CI. Niapyrinum. Ravalgene. Ra 101*

[15387-10-7]



$C_{21}H_{25}N_5O_2$ M 379.461

Analgesic, antipyretic, antiinflammatory agent. Mp 165-166°.

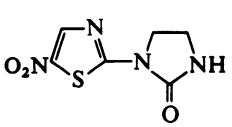
▷QS4025000.

Tubaro, E. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1019, 1024 (*pharmacol*)
Banci, F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1665 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13020.

Niridazole, BAN, USAN, INN **N-00156**

1-(*5-Nitrothiazol-2-yl*)-*2-imidazolidinone*, *9CI. Nitrothiamidazole. Ambilhar. Yarocen. Ba 32644. Ciba 23644-Ba. NSC 136947. NTOI*

[61-57-4]



$C_6H_6N_4O_3S$ M 214.198

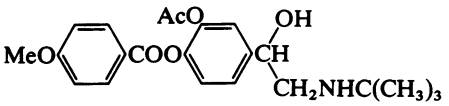
Antischistosomal agent. Yellow cryst. (DMF/MeOH). Mp 261-263°.

▷Exp. carcinogen. NJ1050000.

Lambert, C.R. *et al*, *Experientia*, 1964, **20**, 452 (*synth*)
Schmidt, P. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1966, **5**, 857.
Wilhelm, M. *et al*, *Helv. Chim. Acta*, 1966, **49**, 2443.
Archer, S. *et al*, *Fortschr. Arzneimittelforsch.*, 1972, **16**, 11 (*rev*)
Kutter, E. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1045 (*synth, pharmacol*)
Peeters, O.M. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1748 (*cryst struct*)
Valencia, C.I. *et al*, *J. Pharmacol. Exp. Ther.*, 1984, **230**, 133 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 794.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 853.

Nisbuterol, INN **N-00157**

4-Methoxybenzoic acid 2-(acetyloxy)-4-[2-[(1,1-dimethylethyl)amino]-1-hydroxyethyl]phenyl ester, 9CI



$C_{22}H_{27}NO_6$ M 401.458

(±)-***form*** [60734-87-4]

Bronchodilator.

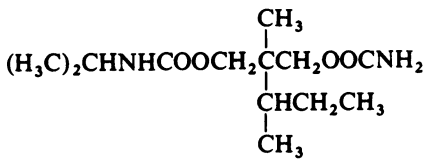
B,MeSO$_3$H: [60734-88-5]. *Nisbuterol mesylate, USAN. Win 34886.* Mp 172-174°.

U.S.P., 3 904 671, (*1975*); *CA*, **84**, 16943e (*synth, pharmacol*)
Tullar, B.F. *et al*, *J. Med. Chem.*, 1976, **19**, 834 (*synth, pharmacol*)

Nisobamate, USAN, INN **N-00158**

2-[[(Aminocarbonyl)oxy]methyl]-2,3-dimethylpentyl (1-methylethyl)carbamate, 9CI. W 1015

[25269-04-9]



$C_{13}H_{26}N_2O_4$ M 274.359

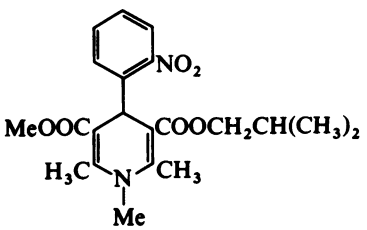
Tranquilliser, sedative, hypnotic. Mp 89-90°.

Ludwig, B.J. *et al*, *J. Med. Chem.*, 1969, **12**, 462 (*synth, pharmacol*)

Nisoldipine, BAN, INN, USAN **N-00159**

1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic acid methyl 2-methylpropyl ester, 9CI. Bay k 5552. Bayer 5552

[63675-72-9]



$C_{20}H_{24}N_2O_6$ M 388.419

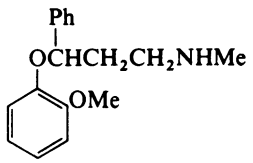
Coronary vasodilator, antihypertensive agent.

Ger. Pat., 2 549 568, (*1977*); *CA*, **87**, 84831d (*synth, pharmacol*)
Kazda, S. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 2144 (*pharmacol*)
Kazda, S. *et al*, *New Drugs Annu: Cardiovasc. Drugs*, 1983, **1**, 243 (*rev*)
Hugenholtz, P.G. *et al*, (*Eds.*) Nisoldipine 1987, Springer-Verlag, Berlin, 1987 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13022.

Nisoxetine, USAN, INN **N-00160**

γ-(2-Methoxyphenoxy)-N-methylbenzenepropanamine, 9CI. Lilly 89218

[57226-61-6]



$C_{17}H_{21}NO_2$ M 271.358

(±)-***form*** [53179-07-0]

Antidepressant.

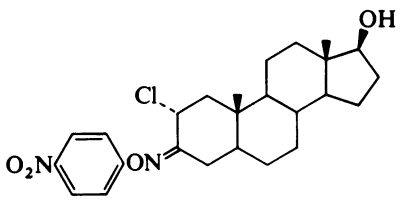
B,HCl: Cryst. (EtOAc/MeOH). Mp 129-131°.

Wong, D.T. *et al*, *Life Sci.*, 1975, **17**, 755 (*pharmacol*)
U.S.P., 4 018 895, (*1977*); *CA*, **87**, 134520z (*synth, pharmacol*)

Nisterime, INN **N-00161**

2α-Chloro-17β-hydroxyandrostan-3-one O-(4-nitrophenyl)oxime, 9CI

[51354-32-6]



$C_{25}H_{33}ClN_2O_4$ M 461.000

Androgen. Cryst. (EtOH). Mp 181-181.5°.

17-Ac: [51354-31-5]. ***Nisterime acetate, USAN.*** *ORF 9326.*

$C_{27}H_{35}ClN_2O_5$ M 503.037

Androgen, postcoital contraceptive. Cryst. (EtOH). Mp 170-172°.

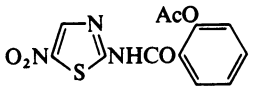
▷BV8047600.

Hirsch, A.F. *et al*, *J. Med. Chem.*, 1977, **20**, 1546 (*synth, pharmacol*)
Patrick, J.E. *et al*, *Steroids*, 1978, **32**, 147 (*metab*)

Nitazoxanide, INN **N-00162**

2-(Acetyloxy)-N-(5-nitro-2-thiazolyl)benzamide, 9CI. N-*(5-Nitro-2-thiazolyl)salicylamide acetate. Adrovet*

[55981-09-4]



$C_{12}H_9N_3O_5S$ M 307.280

Anthelmintic agent. Mp 202°.

Cavier, R. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1978, **13**, 539 (*synth, pharmacol*)
Murphy, J.R. *et al*, *J. Appl. Toxicol.*, 1985, **5**, 49 (*tox*)

Nitracrine, INN **N-00163**

N,N-*Dimethyl*-N'-(*1-nitro-9-acridinyl*)-*1,3-propanediamine*, *9CI*. *9*-[[*3*-(*Dimethylamino*)*propyl*]*amino*]-*1-nitroacridine*, *8CI*. *Ledakrin. C283. NSC 247561*

[4533-39-5]



$C_{18}H_{20}N_4O_2$ M 324.382

Antineoplastic drug. Cryst. (C_6H_6/pet. ether). Mp 134-135°.

▷AR9240000.

B,2HCl: Orange cryst. Mp 223-224°.

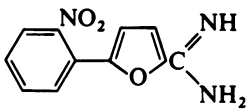
Fr. Pat., 1 458 183, (*1966*); *CA*, **68**, 39493s (*synth, pharmacol*)

Gieldanowski, J. *et al*, *Arch. Immunol. Ther. Exp.*, 1972, **20**, 399 (*pharmacol, tox*)

Nitrafudam, INN **N-00164**

5-(*2-Nitrophenyl*)-*2-furancarboximidamide*

[64743-09-5]



$C_{11}H_9N_3O_3$ M 231.210

Antidepressant.

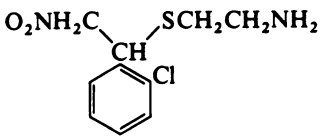
B,HCl: [57666-60-1]. *Nitrafudam hydrochloride*, *USAN*. *F 853*. Cryst. (EtOH). Mp 293-296°.

Pong, S.F. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1411 (*synth, pharmacol*)

Nitralamine **N-00165**

2-[[*1*-(*2-Chlorophenyl*)-*2-nitroethyl*)*thio*]*ethanamine*, *9CI*. *2*-[[o-*Chloro*-α-(*nitromethyl*)*benzyl*]*thio*]-*ethylamine*, *8CI*

[71872-90-7]



$C_{10}H_{13}ClN_2O_2S$ M 260.738

Antifungal agent.

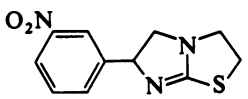
B,HCl: [1432-75-3]. *Nitralamine hydrochloride*, *USAN*. *SC 12350*. Mp 109-113°.

▷KR3150000.

Tweit, R.C. *et al*, *J. Med. Chem.*, 1965, **8**, 374 (*synth, pharmacol*)

Nitramisole, INN **N-00166**

2,3,5,6-Tetrahydro-6-(*3-nitrophenyl*)*imidazo*[*2,1*-b]-*thiazole*, *9CI*



$C_{11}H_{11}N_3O_2S$ M 249.287

(−)-*form*

L-form

B,HCl: Mp 209-210°. $[\alpha]_D$ −99.4° (c, 6.4 in H_2O).

Tartrate: Cryst. (EtOH). Mp 184°. $[\alpha]_D$ −56.2° (c, 6.8 in H_2O).

(±)-*form* [6363-02-6]

Anthelmintic.

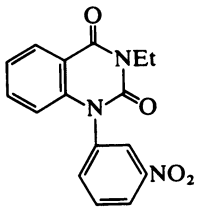
B,HCl: [56689-44-2]. *Nitramisole hydrochloride*, *USAN*. *R 29860*.

U.S.P., 3 989 835, (*1976*); *CA*, **86**, 72644 (*synth, pharmacol*)

Nitraquazone, INN **N-00167**

3-Ethyl-1-(*3-nitrophenyl*)-*2,4*(*1*H,*3*H)-*quinazolinedione*, *9CI*. *TVX 2706*

[56739-21-0]



$C_{16}H_{13}N_3O_4$ M 311.296

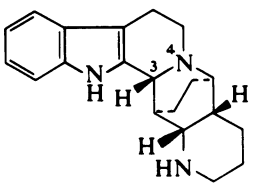
Antidepressant, antiinflammatory agent. Mp 193-194°.

Ger. Pat., 2 459 090, (*1975*); *CA*, **83**, 114468c (*synth, pharmacol*)

Glaser, T. *et al*, *Agents Actions*, 1984, **15**, 341 (*pharmacol*)

Nitrarine **N-00168**

[20069-03-8]



Relative configuration

$C_{20}H_{25}N_3$ M 307.438

(±)-*form*

Alkaloid from *Nitraria schoberi* (Zygophyllaceae). Antispasmodic, antihypertensive agent. Mp 256-257°.

B,2HCl: Mp 267°.

1,3-Didehydro: [56775-82-7]. ***Nitramidine***. *1,3-Didehydronitrarine*, *9CI*.

$C_{20}H_{23}N_3$ M 305.422

Alkaloid from *N. schoberi* (Zygophyllaceae). Noncryst.

1,3-Didehydro; B,HCl: Yellow cryst. Mp 251-253°.

3-Epimer: [57969-03-6]. ***Isonitrarine***. *3-Epinitrarine*.

$C_{20}H_{25}N_3$ M 307.438

Alkaloid from *N. schoberi* (Zygophyllaceae). Cryst. Mp 209°.

3-Epimer; B,HCl: Mp 239°.

3-Epimer; B,$HClO_4$: Mp 236° dec.

Ibragimov, A.A. *et al*, *Khim. Prir. Soedin.*, 1975, **11**, 273, 275, 276; *Chem. Nat. Compd.*, 295, 298 (*isol, uv, ms, pmr, cryst struct, derivs*)

Nasirov, S.-M. *et al*, *Khim. Prir. Soedin.*, 1976, **12**, 334 (*cryst struct*)

Vakhabov, A. *et al*, *CA*, 1980, **92**, 209116 (*rev, pharmacol*)

(Nitrato-*O*)phenylmercury, 9CI **N-00169**

Phenylmercury nitrate. Coldip. Merpectogel. Merphenylnitrat. Phenitol. Ryotol. Vaxoid

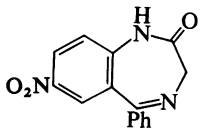
[55-68-5]

$PhHgONO_2$

$C_6H_5HgNO_3$ M 339.700
Bactericide, germicide. Cryst. (C_6H_6). Mp 114.5-116.5° (130-132°). V. readily hydrolysed.
▷OW8400000.

Barlow, L.R. *et al*, *J. Chem. Soc.* (*A*), 1968, 1609 (*synth, ir*)
Schwartzman, G., *J. Pharm. Sci.*, 1978, **67**, 539 (*uv, ir*)

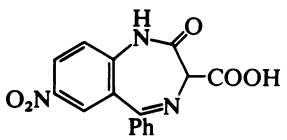
Nitrazepam, BAN, USAN, INN, JAN **N-00170**
*1,3-Dihydro-7-nitro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, 9CI. Mogadon. Remnos. Numerous proprietary names*
[146-22-5]



$C_{15}H_{11}N_3O_3$ M 281.270
Anticonvulsant, hypnotic, tranquilliser. Yellow cryst. (EtOH). Mp 224-226°.
▷DF2450000.

Sternbach, L.H. *et al*, *J. Med. Chem.*, 1963, **6**, 261.
Rieder, J. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 212 (*metab*)
Gilli, G. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 2664 (*cryst struct*)
Aboul-Enein, H.Y. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 487 (*rev*)
Clarke, G.M. *et al*, *J. Chem. Res.* (*S*), 1980, 400 (*synth*)
Haran, R. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 1483 (*pmr, cmr*)
Killam, E.K. *et al*, *Adv. Neurol.*, 1980, **27**, 597 (*rev, pharmacol*)
Hannoun, M. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 963 (*synth*)
Unterhalt, B., *Arch. Pharm.* (*Weinheim, Ger.*), 1981, **314**, 733 (*N-15 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3435 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4054.

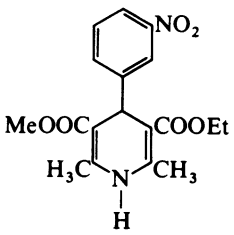
Nitrazepate **N-00171**
*2,3-Dihydro-7-nitro-2-oxo-5-phenyl-1*H*-1,4-benzodiazepine-3-carboxylic acid, 9CI*



$C_{16}H_{11}N_3O_5$ M 325.280
Tranquilliser.
K salt: [5571-84-6]. *Potassium nitrazepate, INN. 4335 CB.* Mp 271°.

Netherlands Pat., 6 507 637, (*1965*); *CA*, **64**, 15903h (*synth, pharmacol*)
Fr. Pat., M4206, (*1966*); *CA*, **68**, 78324g (*synth*)
Schmitt, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1969, **4**, 239 (*synth, activity*)

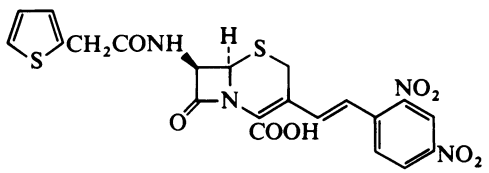
Nitrendipine, BAN, INN, USAN **N-00172**
1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid ethyl methyl ester, 9CI. Bayotensin. Baypress. Bay e 5009
[39562-70-4]



$C_{18}H_{20}N_2O_6$ M 360.366
Antihypertensive agent, calcium antagonist. Mp 158-159°.

Meyer, H. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 407 (*synth, pharmacol*)
Scriabine, A. *et al*, (*Eds.*), *Nitrendipine*, Urban and Schwarzenberg, Baltimore, Md., 1984 (*book*)
Scriabine, A. *et al*, *New Drugs Annu: Cardiovasc. Drugs*, 1984, **2**, 37 (*rev, pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1986, **54**, 71 (*polymorphism*)
Hasegawa, G.R., *Clin. Pharm.*, 1988, **7**, 97 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16915.

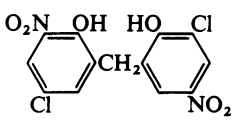
Nitrocefin, BAN **N-00173**
3-[2-(2,4-Dinitrophenyl)ethenyl]-8-oxo-7β-[(2-thienylacetyl)amino]-5-thia-1-azabicycli[4.2.0]oct-2-ene-2-carboxylic acid, 9CI. Cephalosporin 87-312
[41906-86-9]



$C_{21}H_{16}N_4O_8S_2$ M 516.499
Diagnostic reagent for β-lactamase. Orange solid. Mp 103-113° dec. $[\alpha]_D^{20}$ −224° (c, 1.0 in dioxan).

B.P. 1 408 391, (*1975*); *CA*, **79**, 18736k (*synth*)
Montgomery, K. *et al*, *J. Clin. Microbiol.*, 1979, **9**, 205 (*use*)

Nitroclofene, INN **N-00174**
2-Chloro-6-[(5-chloro-2-hydroxy-3-nitrophenyl)-methyl]-4-nitrophenol, 9CI. 4,6′-Dichloro-4′,6-dinitro-2,2′-methylenediphenol. 3,5′-Dichloro-2,2′-dihydroxy-3′,5-dinitrodiphenylmethane
[39224-48-1]



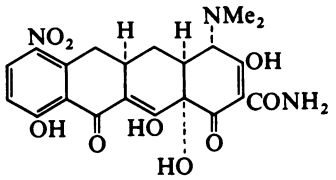
$C_{13}H_8Cl_2N_2O_6$ M 359.122
Antiparasitic agent.

Netherlands Pat., 04 839, (*1971*); *CA*, **78**, 58021j (*synth, pharmacol*)

Nitrocycline, USAN, INN **N-00175**

4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-7-nitro-1,11-dioxo-2-naphthacenecarboxamide, 9CI

[5585-59-1]



$C_{21}H_{21}N_3O_9$ M 459.412

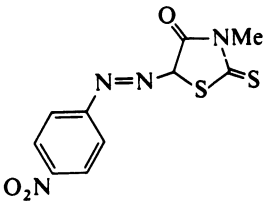
Semisynthetic tetracycline antibiotic. Cryst. (H_2O). $[\alpha]_D^{25}$ −442° (0.1 M in H_2SO_4).

Petisi, J. *et al, J. Med. Chem.*, 1962, **5**, 538 (*synth, pharmacol*)
Miller, G.H. *et al, J. Pharm. Sci.*, 1971, **60**, 33 (*synth, pharmacol*)

Nitrodan, USAN, INN **N-00176**

3-Methyl-5-[(4-nitrophenyl)azo]-2-thioxo-4-thiazolidinone, 9CI. *3-Methyl-5-[(p-nitrophenyl)azo]rhodanine,* 8CI. *Everfree. Nidanthel. CTR 6110*

[962-02-7]



$C_{10}H_8N_4O_3S_2$ M 296.318

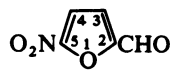
Anthelmintic. Yellow powder. Mp 267-268°.

U.S.P., 2 952 673, (*1960*); *CA*, **55**, 4534c (*synth, pharmacol*)
McGuire, W.C. *et al, J. Parasitol.*, 1966, **52**, 528 (*pharmacol*)
Leland, S.E. *et al, J. Parasitol.*, 1967, **53**, 20 (*pharmacol*)

5-Nitro-2-furancarboxaldehyde, 9CI **N-00177**

2-Formyl-5-nitrofuran. 5-Nitrofurfuraldehyde

[698-63-5]



$C_5H_3NO_4$ M 141.083

Cryst. (pet. ether). Mod. sol. H_2O. Mp 35-36°. Bp_{10} 128-132°. Extensively hydrated in aq. soln.

▷LT7200000.

(E)-*Oxime:* [7197-93-5].
$C_5H_4N_2O_4$ M 156.098
Cryst. (EtOH). Mp 159-161°.

(Z)-*Oxime:* [6236-05-1]. ***Nifuroxime, INN.*** *Micofur.*
Pale yellow or greenish cryst. (EtOH). Mp 163-164°. Darkens on exp. to light.

Semicarbazone: [59-87-0]. ***Nitrofurazone,*** BAN, USAN. *Nitrofural,* INN. *Furacin. Eldezol. Amifur.*
$C_6H_6N_4O_4$ M 198.138
Bactericide, topical antiinfective. Pale yellow needles. Mp 236-240° dec. Component of Furacort, Furadex, Furea, Bifuran, Dermobion, Neovagon, Vagifurin.

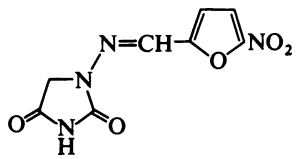
▷LT7700000.

Gilman, H. *et al, J. Am. Chem. Soc.*, 1930, **52**, 2552 (*synth*)
U.S.P., 2 319 481, (*1943*); *CA*, **37**, 6413 (*Nifuroxime*)
Raffauf, R.F. *et al, J. Am. Chem. Soc.*, 1946, **68**, 1765 (*uv*)
U.S.P., 2 416 234, (*1947*); *CA*, **41**, 3488 (*Nitrofurazone*)
U.S.P., 2 927 110, (*1960*); *CA*, **54**, 12158 (*Nitrofurazone*)
Howarth, G.A. *et al, Talanta*, 1969, **16**, 967 (*Nifuroxime*)
Chamberlain, R.E., *J. Antimicrob. Chemother.*, 1976, **2**, 325 (*Nitrofurazone, rev*)
Csaszar, J., *Acta Phys. Chem.*, 1984, **30**, 71 (*Nitrofurazone*)
Busker, R.W. *et al, Heterocycles*, 1987, **26**, 5 (*props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 417 (*Nitrofurazone*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1626, 2594.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2019 (*Nitrofurazone*)

Nitrofurantoin, BAN, INN **N-00178**

1-[(5-Nitro-2-furanyl)methylene]amino-2,4-imidazolidinedione, 9CI. *1-(5-Nitro-2-furfurylideneamino)-hydantoin. Furadantin. Berkfurin. Macrodantin. Urantoin. Numerous proprietary names*

[67-20-9]



$C_8H_6N_4O_5$ M 238.159

Antibacterial agent, urinary antiseptic. Orange-yellow needles (Me_2CO aq.). Mp 258-262°. pK_a 7.2.

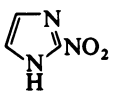
▷MU2800000.

U.S.P., 2 610 181, (*1952*); *CA*, **47**, 6980i (*synth*)
Swirska, A. *et al, CA*, 1958, **52**, 14079 (*synth*)
U.S.P., 2 898 335, (*1959*); *CA*, **54**, 2356i (*synth*)
Cadwallader, D.E. *et al, Anal. Profiles Drug Subst.*, 1976, **5**, 345 (*rev*)
Chamberlain, R.E., *J. Antimicrob. Chemother.*, 1976, **2**, 325 (*pharmacol, rev*)
Gleckman, R. *et al, Am. J. Hosp. Pharm.*, 1979, **36**, 342 (*rev*)
Baeva, V. *et al, CA*, 1983, **98**, 125968 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 824 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5651, 5652.

2-Nitro-1*H*-imidazole, 9CI **N-00179**

Azomycin. *Amicin*

[527-73-1]



$C_3H_3N_3O_2$ M 113.076

Produced by *Nocardia* spp. and from *Streptomyces eurocidicus*. Antibiotic active against gram-positive organisms. Pale-yellow cryst. (EtOH). Mp 282° dec., 287-288°.

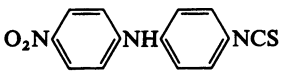
▷NI7875000.

Nakamura, S. *et al, J. Antibiot. Ser. A*, 1955, **8**, 66 (*isol*)
Beaman, A.G. *et al, J. Am. Chem. Soc.*, 1965, **87**, 389 (*synth*)
Nakane, A. *et al, J. Biol.Chem.*, 1977, **252**, 5267 (*biosynth*)
Agrawal, K.C. *et al, J. Med. Chem.*, 1979, **22**, 583 (*synth*)
Luijten, W.C. *et al, Org. Mass Spectrom.*, 1982, **17**, 299 (*ms*)
Nair, M.D. *et al, Prog. Drug Res.*, 1983, **27**, 163 (*rev, pharmacol*)
Larsen, I.K., *Acta Crystallogr., Sect. C*, 1984, **40**, 285 (*cryst struct*)

4-Nitro-4'-isothiocyanatodiphenylamine N-00180

4-Isothiocyanato-N-(4-nitrophenyl)benzenamine, 9CI. p-(p-*Nitroanilino)phenyl isothiocyanate, 8CI.* ***Amoscanate, INN.*** *Nithiocyamine. CGP 4540. C 9333*

[26328-53-0]



$C_{13}H_9N_3O_2S$ M 271.293

Anthelmintic. Mp 204-206°.

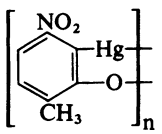
▷Low toxicity in man claimed but mutagenic to bacteria. NX9106000.

Ger. Pat., 1 935 338, (*1970*); *CA*, **73**, 25110f (*synth, pharmacol*)
Striebel, H.P., *Experientia*, 1976, **32**, 457 (*pharmacol*)
Vaidaya, A.B. *et al*, *Br. J. Clin. Pharmacol.*, 1977, **4**, 463 (*tox*)
Rajappa, S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 2027 (*synth*)
Hardgrove, G.L. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 616 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12371.

Nitromersol, USAN N-00181

[2-Methyl-5-nitrophenolato(2–)-C⁶,O¹]mercury, 9CI. 5-Methyl-2-nitro-7-oxa-8-mercurabicyclo[4.2.0]octa-1,3,5-triene, 8CI

[133-58-4]



$C_7H_5HgNO_3$ M 351.711

Molecular complexity not detd. Antiinfective (topical). Yellow powder or granules.

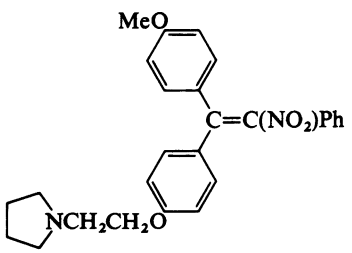
▷Protect from light. RO4375000.

U.S.P., 1 544 293, (*1925*) (*synth*)
Barr, F.S. *et al*, *J. Pharm. Sci.*, 1970, **59**, 262 (*pharmacol*)
Honigman, J.L., *Pharm. J.*, 1975, 523 (*tox*)

Nitromifene, INN N-00182

1-[2-[4-[1-(4-Methoxyphenyl)-2-nitro-2-phenylethenyl]phenoxy]ethyl]pyrrolidine, 9CI. 1-[2-[p-[α-(p-Methoxyphenyl)-β-nitrostyryl]phenoxy]ethyl]-pyrrolidine, 8CI

[10448-84-7]



$C_{27}H_{28}N_2O_4$ M 444.529

Two forms known, probably geom. isomers. No difference in pharmacol. props. Antioestrogen.

▷UY1350000.

Citrate: [5863-35-4]. *Nitromifene citrate, USAN. CI 728. CN 5518. CN 55945.* Yellow cryst. (Me_2CO). Mp 85°. Mixt. of geom. isomers.

▷UY1348500.

High-melting-form

Mp 136-138°.

Low-melting-form

Mp 117-119°.

de Wald, H.A. *et al*, *Nature (London)*, 1966, **211**, 538 (*pharmacol, isom*)
Fr. Pat., 1 464 253, (*1966*); *CA*, **67**, 64214v (*synth*)
Katzenellenbogen, B.S. *et al*, *Endocrinology*, 1975, **97**, 1 (*pharmacol*)

1-Nitro-2-pentanol, 9CI, 8CI N-00183

*1-Nitro-*sec-n-*amyl alcohol*

[2224-37-5]



$C_5H_{11}NO_3$ M 133.147

(±)-form

Has bactericidal and insecticidal activity. Viscous oil. Bp_{17} 117°.

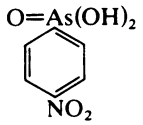
Ac: [3428-90-8].
$C_7H_{13}NO_4$ M 175.184
Used as a fungicide and trichomonacide. Liq. Bp_{10} 111-113°.

Astle, M.J. *et al*, *J. Org. Chem.*, 1956, **21**, 1228 (*synth*)
Hesse, G. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **658**, 21 (*synth*)
Clitheroe, A. *et al*, *J. Pharm. Pharmacol.*, 1965, **17**, 167 (*pharmacol*)
Meyers, A.I. *et al*, *J. Org. Chem.*, 1967, **32**, 4134 (*synth, pmr*)
Kambe, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 1444 (*synth*)

4-Nitrophenylarsonic acid, 9CI N-00184

p-*Nitrobenzenearsonic acid, 8CI.* ***Nitarsone, USAN, INN.*** *Hep-A-Stat. Histostat. NSC 5085*

[98-72-6]



$C_6H_6AsNO_5$ M 247.039

Antiprotozoal, antihistomonad; mainly used for poultry. Pale-yellow leaflets (H_2O). Mp 298-300° dec.

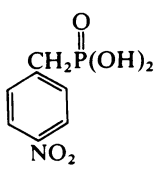
▷Toxic. CY6125000.

Org. Synth., Coll. Vol., **3**, 665 (*synth*)
Jacobs, W.A. *et al*, *J. Am. Chem. Soc.*, 1918, **40**, 1580 (*synth*)
McGregor, J.K. *et al*, *Poultry Sci.*, 1964, **43**, 1026 (*pharmacol*)
Modro, T.A. *et al*, *Tetrahedron*, 1972, **28**, 3867 (*uv*)
Zakirov, D.U., *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1977, 910 (*nqr*)
Ambushev, F.D. *et al*, *Zh. Obshch. Khim.*, 1981, **51**, 2232 (*synth*)

[(4-Nitrophenyl)methyl]phosphonic acid, 9CI N-00185

p-*Nitrobenzylphosphonic acid*

[1205-62-5]



$C_7H_8NO_5P$ M 217.118

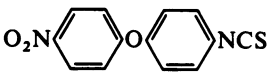
Antiviral agent, alkaline phosphatase inhibitor. Cryst. (H_2O or 2-propanol/methylcyclohexane). Mp 232-234° (225-226° dec.). $Bp_{0.5}$ 183-187°.

Di-Me ester: [39980-20-6].
$C_9H_{12}NO_5P$ M 245.171
Reagent for Wittig-Horner reactions. Cryst. (2-propanol). Mp 75°.
Di-Et ester: [2609-49-6].
$C_{11}H_{16}NO_5P$ M 273.225
Stereospecific Wittig reagent. Liq. Bp_3 199-201°, $Bp_{0.1}$ 148-153°. n_D^{25} 1.5220.

Kosolapoff, G.M., *J. Am. Chem. Soc.*, 1949, **71**, 1876 (*ester*)
Kagan, F. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 3026 (*synth, props*)
Inglot, A.D. *et al*, *Nature (London)*, 1965, **207**, 784
Scherer, H. *et al*, *Chem. Ber.*, 1972, **105**, 3357 (*ester, ir, pmr*)
Williams, A. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 25 (*synth*)
Ernst, L., *Org. Magn. Reson.*, 1977, **9**, 35 (*cmr, nmr*)
Okamoto, Y. *et al*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 277 (*synth, uv, pmr, P nmr*)

Nitroscanate, BAN, INN, USAN N-00186

1-Isothiocyanato-4-(4-nitrophenoxy)benzene, 9CI. Isothiocyanic acid p-(p-*nitrophenoxy*) *phenyl ester, 8CI. 4-Nitro-4'-isothiocyanatodiphenyl ether. Cantrodifene. Echinon. Lopatol. CGA 23654. GS 223654*
[19881-18-6]

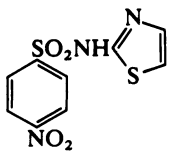


$C_{13}H_8N_2O_3S$ M 272.278
Veterinary anthelmintic. Mp 124-125° (107-113°).

Martvou, A. *et al*, *Chem. Zvesti*, 1969, **23**, 181 (*synth, ir, uv*)
Gemmell, M.A. *et al*, *Res. Vet. Sci.*, 1975, **19**, 217 (*pharmacol*)
Boray, J.C. *et al*, *Aust. Vet. J.*, 1979, **55**, 45 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13027.

Nitrosulfathiazole, INN N-00187

p-*Nitro*-N-*2-thiazolylbenzenesulfonamide. Paranitrosulfathiazole. Nisulfazole*
[473-42-7]



$C_9H_7N_3O_4S_2$ M 285.292
Antibacterial agent. Yellow cryst. Sol. in alkaline aq. soln. Mp 260°.

Major, R.H., *J. Lab. Clin. Med.*, 1946, **31**, 219 (*pharmacol*)
Ger. Pat., 902 010, (*1954*); *CA*, **49**, 10366g (*synth*)
Graner, R.F., *Galenica Acta*, 1958, **11**, 18 (*synth*)

Nitrourea, 9CI, 8CI N-00188

N-*Nitrocarbamide*
[556-89-8]

$H_2NCONHNO_2$

$CH_3N_3O_3$ M 105.053
Used as a defoliant, has bactericidal activity and also inhibits neoplasms. Leaflets or prisms (EtOH) or platelets (EtOH/ligroin). Sol. hot H_2O (aq. solns. unstable), v. sol. Me_2CO, AcOH, sol. EtOH, spar. sol. $CHCl_3$, C_6H_6, ligroin. Mp 150° (159°). pK_a 2.154. Dec. in alkalis. Can be detonated, but is not sensitive to percussion or heating.
▷YT9681400.

Org. Synth., Coll. Vol., **1**, *417* (*synth*)
Gepner, B. *et al*, *J. Gen. Chem. USSR* (*Engl. Transl.*), 1946, **16**, 179; *CA*, **41**, 96 (*synth*)
Kuznetsov, V.M. *et al*, *CA*, 1978, **89**, 199883 (*hazard*)
Liu, K.-C. *et al*, *J. Chin. Chem. Soc.* (*Taipei*), 1978, **25**, 77 (*synth*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 309.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 870.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 420.

Nitrous oxide, USAN, BAN N-00189

Nitrogen oxide. Dinitrogen monoxide. Laughing gas
[10024-97-2]

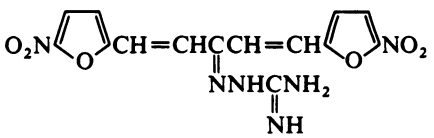
N_2O

N_2O M 44.013
Inhalation anaesthetic, analgesic. Gas. Bp −88°.
▷QX1350000.

Jones, K., *Compr. Inorg. Chem.*, 1973, **2**, 316 (*rev*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 468 (*synth*)
Brodsky, J.B. *et al*, *Med. Toxicol.*, 1986, **1**, 362 (*tox*)
Gillman, M.A., *Br. J. Anaesth.*, 1987, **59**, 143 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3119.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2525.

Nitrovin, BAN N-00190

2-[3-(5-Nitro-2-furanyl)-1-[2-(5-nitro-2-furanyl)-ethenyl]-2-propenylidene]hydrazinecarboximidamide, 9CI. [[3-(5-Nitro-2-furyl)-1-[2-(5-furyl)vinyl]-allylidene]amino]guanidine, 8CI. Difuran. High-Furan. Orphazone. Panazon. Payzone. CL 48401
[804-36-4]



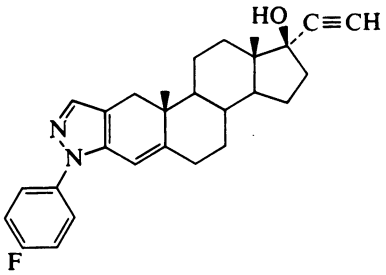
$C_{14}H_{12}N_6O_6$ M 360.285
Veterinary growth promoter, antibacterial agent. Blackish-violet cryst. (EtOH). Mp 217° dec.
▷MF4620000.
B,HCl: [2315-20-0]. Mp 280° dec.
▷MF4622000.

Miura, K. *et al*, *Yakugaku Zasshi*, 1961, **81**, 1372 (*synth*)
Spychala, S. *et al*, *Chem. Anal.* (*Warsaw*), 1974, **19**, 1141 (*ir*)
Kaemmerer, K., *Zuechtungskunde*, 1975, **47**, 111 (*rev, pharmacol*)
Muszalska, A. *et al*, *Chem. Anal.* (*Warsaw*), 1975, **20**, 1149 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13028.

Nivazol, USAN **N-00191**

2'-(4-Fluorophenyl)-2'H-pregna-2,4-dien-20-yno[3,2-c]pyrazol-17α-ol, 9CI. ***Nivacortol, INN.*** *Win 27914*

[24358-76-7]



$C_{28}H_{31}FN_2O$ M 430.564

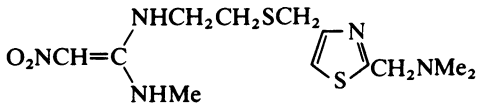
Glucocorticoid, antiinflammatory agent. Mp 204-206°.

U.S.P. 3 539 556, (*1969*); *CA*, **72**, 3648q (*synth, pharmacol*)

Nizatidine, USAN, INN **N-00192**

N-[2-[[[2-[(Dimethylamino)methyl]-4-thiazolyl]-methyl]thio]ethyl]-N'-methyl-2-nitro-1,1-ethenediamine, 9CI. *LY 139037*

[76963-41-2]



$C_{12}H_{21}N_5O_2S_2$ M 331.450

Antiulcerative drug (histamine H_2-receptor antagonist). Cryst. (EtOH/EtOAc). Mp 130-132°.

U.S.P., 4 382 090, (*1983*); *CA*, **99**, 43548w (*synth, pharmacol*)

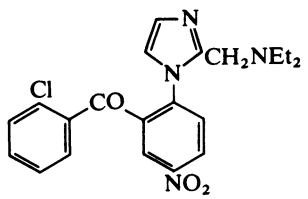
Price, A.H. *et al*, *Drugs*, 1988, **36**, 521 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12003.

Nizofenone, INN **N-00193**

(2-Chlorophenyl)[2-[2-[(diethylamino)methyl]-1H-imidazol-1-yl]-5-nitrophenyl]methanone, 9CI. *2'-Chloro-2-[2-[(diethylamino)methyl]imidazol-1-yl]-5-nitrobenzophenone. Midafenone*

[54533-85-6]



$C_{21}H_{21}ClN_4O_3$ M 412.875

Antianoxic, cerebroprotective, nootropic. Yellow cryst. Mp 75-76°.

Fumarate: [93929-95-4]. *Ekonal. Y 9179.* Yellow cryst. Mp 158-159°.

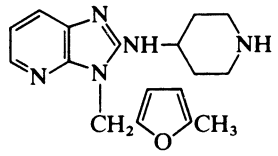
Ger. Pat., 2 403 416, (*1974*); *CA*, **84**, 44045g (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19584.

Noberastine, INN **N-00194**

3-[(5-Methyl-2-furanyl)methyl]-N-4-piperidinyl-3H-imidazo[4,5-b]pyridin-2-amine, 9CI

[110588-56-2]



$C_{17}H_{21}N_5O$ M 311.386

Antiallergic agent. Mp 119.8°.

B,2HCl: Mp 204.1°.

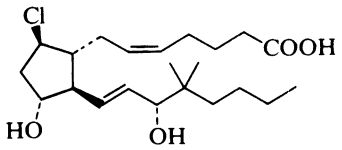
Maleate (1:2): [111922-05-5]. Mp 154.5°.

Eur. Pat., 232 937, (*1987*); *CA*, **108**, 21891 (*synth, pharmacol*)

Nocloprost, INN **N-00195**

9-Chloro-11,15-dihydroxy-16,16-dimethylprosta-5,13-dien-1-oic acid, 9CI. *ZK 94726*

[79360-43-3]



$C_{22}H_{37}ClO_4$ M 400.985

Synthetic prostaglandin; inhibits gastric acid secretion. Oil.

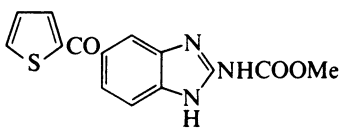
U.S.P., 4 444 788, (*1984*); *CA*, **101**, 151672 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3146.

Nocodazole, USAN, INN **N-00196**

Methyl [5-(2-thienylcarbonyl)-1H-benzimidazol-2-yl]-carbamate, 9CI. *Methyl 5-(2-thenoyl)-2-benzimidazolecarbamate,* 8CI. *Oncodazole. NSC 238159. R 17934*

[31430-18-9]



$C_{14}H_{11}N_3O_3S$ M 301.319

Anthelmintic, antineoplastic drug. Mp 288.7°.

▷DD6521000.

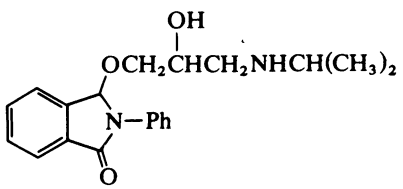
Atassi, G. *et al*, *Eur. J. Cancer*, 1975, **11**, 599 (*pharmacol*)

Raeymaekers, A. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 586 (*synth, pharmacol*)

Nofecainide, INN **N-00197**

2,3-Dihydro-3-[2-hydroxy-3-[(1-methylethyl)amino]-propoxy]-2-phenyl-1H-isoindol-1-one, 9CI. *3-[2-Hydroxy-3-(isopropylamino)propoxy]-2-phenylphthalimidine. Nofedone*

[50516-43-3]



$C_{20}H_{24}N_2O_3$ M 340.421

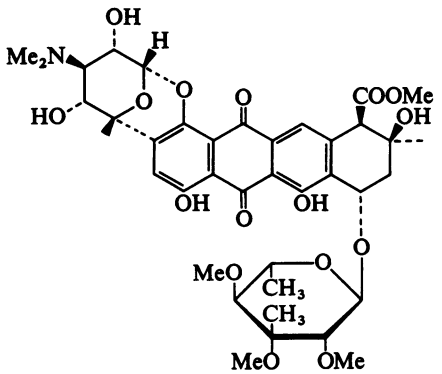
Antiarrhythmic drug. Cryst. (MeCN). Mp 98°.

Ger. Pat., 2 313 227, (*1973*); *CA*, **79**, 146393h (*synth, pharmacol*)

Nogalamycin, 8CI, INN, USAN **N-00198**

NSC 70845. U 15167

[1404-15-5]



$C_{39}H_{49}NO_{16}$ M 787.813

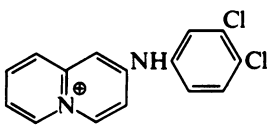
Anthracycline antibiotic. Isol. from *Streptomyces nogalater* var. *nogalater*. Antitumour antibiotic, also highly active against gram-positive bacteria. Orange-red solid (MeOH). Mp 195-196° dec. $[\alpha]_D^{25}$ +479° ($CHCl_3$). pK_a 7.45 (25°, 60% EtOH aq.). Interacts with DNA by intercalation. Has the 7*S*,9*S*,10*R*-config., opposite to other anthracyclines.

▷RA4550000.

Bhuyan, B.K., *Antibiotics (N.Y.)*, 1967, **1**, 173 (*rev*)
Wiley, P.F. *et al*, *Tetrahedron Lett.*, 1968, 663 (*isol, uv, ir, nmr*)
Wiley, P.F. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 542 (*struct, ir, uv, ms, pmr, cmr*)
Wiley, P.F. *et al*, *J. Org. Chem.*, 1979, **44**, 4030 (*abs config, cd, bibl*)
Bates, M.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 896 (*synth*)
Arora, S.K., *J. Am. Chem. Soc.*, 1983, **105**, 1328 (*cryst struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2067.

Nolinium(1+) **N-00199**

2-[(3,4-Dichlorophenyl)amino]quinolizinium, 9CI. *Diclonium*



$C_{15}H_{11}Cl_2N_2^{\oplus}$ M 290.171 (ion)

Antisecretory, antiulcerative drug.

Bromide: [40759-33-9]. *Nolinium bromide, USAN, INN. EU 2972.*
$C_{15}H_{11}BrCl_2N_2$ M 370.075
Off-white cryst. Mp 264-265°.

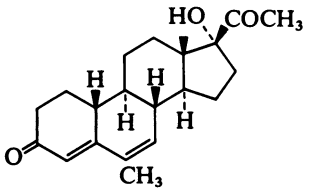
▷VC8608050.

Alaimo, R.J. *et al*, *J. Med. Chem.*, 1975, **18**, 1145 (*synth, pharmacol, nmr, uv, ir, ms*)
Goldenberg, M.M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1977, **228**, 153; 1980, **247**, 163 (*pharmacol*)

Nomegestrol, INN **N-00200**

17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20-dione, 9CI. *19-Normegestrol*

[58691-88-6]



$C_{21}H_{28}O_3$ M 328.450

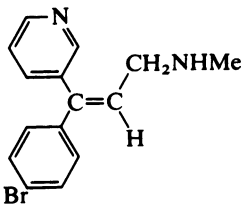
Progestin. Cryst. (MeOH). Mp 204-205°.

17-Acetate: Lutenyl. TX-066.
$C_{23}H_{30}O_4$ M 370.488
Progestin. Cryst. (MeOH). Mp 178°.

Ger. Pat., 2 522 533, (*1975*); *CA*, **84**, 122148j (*synth, pharmacol*)
Paris, J. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 710 (*acetate, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3147.

Nomelidine, INN **N-00201**

3-[1-(4-Bromophenyl)-3-(methylamino)propenyl]-pyridine, 9CI. *3-(4-Bromophenyl)-N-methyl-3-(3-pyridyl)-2-propenamine*



$C_{15}H_{15}BrN_2$ M 303.201

(*Z*)-form more potent.

(E)-form

Demethylzimelidine. Norzimelidine
Mp 198-201°.

Oxalate: Cryst. (MeCN aq.). Mp 198-201°.

(Z)-form [60324-59-6]

Antidepressant.

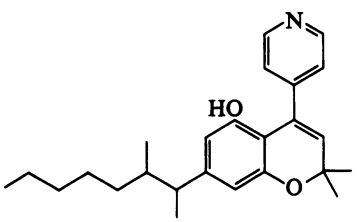
B,2HCl: [60324-60-9]. Cryst. (MeCN). Mp 161-165°.

Ger. Pat., 2 550 005, (*1976*); *CA*, **85**, 108546b (*synth, pharmacol*)

Nonabine, BAN, INN **N-00202**

7-(1,2-Dimethylheptyl)-2,2-dimethyl-4-(4-pyridinyl)-2H-1-benzopyran-5-ol, 9CI. *7-(1,2-Dimethylheptyl)-2,2-dimethyl-4-(4-pyridyl)-2H-chromen-5-ol. BRL 4664*

[16985-03-8]



$C_{25}H_{33}NO_2$ M 379.541

Antiemetic agent. Mp 80-85°.

Razdan, R.K. *et al*, *Tetrahedron Lett.*, 1967, 3405 (*synth*)
B.P., 1 162 784, (*1968*); *CA*, **70**, 68161 (*synth, pharmacol*)

Nonanedioic acid, 9CI **N-00203**

1,7-Heptanedicarboxylic acid. ***Azelaic acid, INN.*** *Anchoic acid. Lepargylic acid. Emerox 1144. ZK 62498*

[123-99-9]

$HOOC(CH_2)_7COOH$

$C_9H_{16}O_4$ M 188.223

Occurs in rancid fats. Used to treat acne. Antineoplastic agent. Needles or leaflets. Spar. sol. H_2O. Mp 106.5°. Bp >360° part. dec., Bp_{10} 226°. pK_{a1} 4.54, pK_{a2} 3.55. Not steam-volatile.

▷CM1980000.

Di-Me ester: [1732-10-1].
$C_{11}H_{20}O_4$ M 216.277
Bp_8 140°.

Dichloride:
$C_9H_{14}Cl_2O_2$ M 225.114
Bp_{18} 166°.

Anhydride:
$C_{18}H_{30}O_7$ M 358.431
Mp 53-55°.

Diamide:
$C_9H_{18}N_2O_2$ M 186.253
Prisms. Mp 175°.

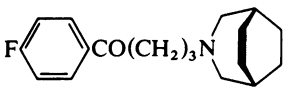
Dinitrile: [1675-69-0]. *1,7-Dicyanoheptane.*
$C_9H_{14}N_2$ M 150.223
Liq. Bp_{20} 195°. n_D^{25} 1.4426.

Ger. Pat., 565 158, (*1933*); *CA*, **27**, 1008 (*synth*)
Org. Synth., 1933, **13**, 4 (*synth*)
Mowry, D.T. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4439 (*synth*)
Org. Synth., Coll. Vol., **4**, 62 (*nitrile*)
Housty, J. *et al*, *Acta Crystallogr.*, 1967, **22**, 288 (*cryst struct*)
Mingrone, G. *et al*, *Drugs Exp. Clin. Res.*, 1983, **9**, 447 (*tox*)
Breathnach, A.S. *et al*, *Br. J. Dermatol.*, 1984, **111**, 115 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14036.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 334.

Nonaperone, INN **N-00204**

4-(3-Azabicyclo[3.2.2]non-3-yl)-1-(4-fluorophenyl)-1-butanone, 9CI. *4-(3-Azabicyclo[3.2.2]non-3-yl)-4'-fluorobutyrophenone,* 8CI. *Go 3315A*

[15997-76-9]



$C_{18}H_{24}FNO$ M 289.392

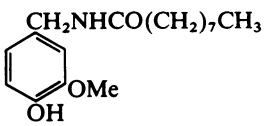
CNS depressant, neuroleptic agent. $Bp_{0.3}$ 150-160°.

Grogan, C.H. *et al*, *J. Med. Chem.*, 1967, **10**, 621 (*synth, pharmacol*)

Nonivamide, INN **N-00205**

N-[(*4-Hydroxy-3-methoxyphenyl*)*methyl*]*nonanamide,* 9CI. N-*Vanillylnonanamide,* 8CI. *Synthetic capsaicin. HH50. PSVA*

[2444-46-4]



$C_{17}H_{27}NO_3$ M 293.405

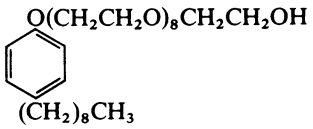
Topical antirheumatic. $Bp_{0.05}$ 200-210°.

Dirnhuber, P. *et al*, *J. Physiol.*, 1965, **178**, 41P (*pharmacol*)
Friedrich, H. *et al*, *Naturwissenschaften*, 1965, **52**, 514.
Ger. Pat., 1 213 855, (*1966*); *CA*, **64**, 19504h (*synth*)
Todd, P. *et al*, *J. Chromatogr. Sci.*, 1975, **13**, 577 (*tlc*)

Nonoxynol 9, USAN **N-00206**

26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol, 9CI. *C-Film. Collatex. Conceptrol. Delfen. Encare. Igepal CO 630. Intercept.* ***Nonoxinol 9, INN.*** *Orthodelfen. Semicid. Vagisec*

[14409-72-4]



$C_{33}H_{60}O_{10}$ M 616.831

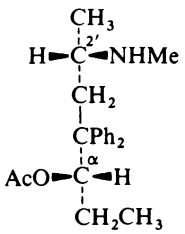
Spermicide. Surfactant. Highly stable.

U.S.P., 2 313 477, (*1940*)
Enyeart, C.R., *Nonionic Surfactants*, Dekker, N.Y., 1967, 44 (*rev*)
Calandra, J.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1969, **14**, 315 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 450.

Noracymethadol, INN **N-00207**

α-Ethyl-β-[2-(methylamino)propyl]-β-phenylbenzeneethanol acetate, 9CI. *5-(Methylamino)-4,4-diphenyl-3-heptanol acetate,* 8CI. *Noracetylmethadol. Lilly 30109. NIH 7667*

[1477-39-0]



(α*S*,2'*S*)-*form*
Absolute configuration

$C_{22}H_{29}NO_2$ M 339.477

(α*S*,2'*S*)-*form* [43033-71-2]
(−)-α-*form*
Narcotic analgesic. Sol. Et_2O.

B,HCl: [55096-75-8]. *Noracymethadol hydrochloride, USAN.* Cryst. ($CHCl_3$/hexane or Me_2CO/Et_2O). Mp 235-237°. $[\alpha]_D^{25}$ −74.4° (c, 0.47 in H_2O).

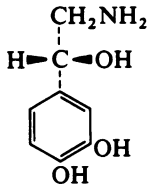
(α*RS*,2'*RS*)-*form* [55123-61-0]
(±)-α-*form*

B,HCl: [55123-64-3]. Cryst. (MeOH/EtOAc). Mp 233-235°.

Billings, R.E. *et al*, *Life Sci.*, 1974, **14**, 1437 (*synth, pharmacol*)
Montzka, T.A. *et al*, *Tetrahedron Lett.*, 1974, 1325 (*synth*)
Booher, R.N. *et al*, *J. Med. Chem.*, 1975, **18**, 266 (*synth*)
Chatterjie, N. *et al*, *J. Med. Chem.*, 1975, **18**, 630 (*synth, ir, ms, pmr*)
Young, G.A. *et al*, *Drug Alcohol Depend.*, 1978, **3**, 273 (*pharmacol*)
Smit, A.L.C. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 572 (*ms*)

Noradrenaline, BAN **N-00208**

4-(2-Amino-1-hydroxyethyl)-1,2-benzenediol, 9CI. α-(Aminomethyl)-3,4-dihydroxybenzyl alcohol, 8CI. 2-Amino-1-(3,4-dihydroxyphenyl)ethanol. 4-(β-Amino-α-hydroxyethyl)catechol. Arterenol. ***Norepinephrine, INN***



(*R*)-form
Absolute configuration

$C_8H_{11}NO_3$ M 169.180

Alkaloid in *Albizzia julibrissin, Mimosa pudica, Phaseolus multiflorus* and *Samanea saman, Musa paradisiaca, M. sapientium, Passiflora quadrangularis, Portulaca oleracea, Prunus domestica, Citrus sinensis, Aconitum napellus, A. paniculatum* and *Solanum tuberosum* (Leguminosae, Musaceae, Passifloraceae, Portulacaceae, Rosaceae, Rutaceae, Ranunculaceae, Solanaceae).

(R)-form [51-41-2]

Levarterenol. Adrenor. Levophed

Adrenergic agent, bronchodilator. Sympathomimetic. Vasopressor. Sol. H_2O. Mp 216.5-218°. $[\alpha]_D^{25}$ −37.3° (c, 5). Pharmacol. active isomer.

▷DN5950000.

Tartrate (1:1): [51-40-1]. *Norepinephrine bitartrate, USAN.*

▷DN6750000.

(S)-form [149-95-1]

Mp 215-217° dec.
$[\alpha]_D^{25}$ +37.4°.

▷DN6125000.

(±)-form [138-65-8]

Adrenergic agent. Sl. sol. H_2O. Mp 191° dec.

▷DN6300000.

B,HCl: [55-27-6]. Mp 191°.

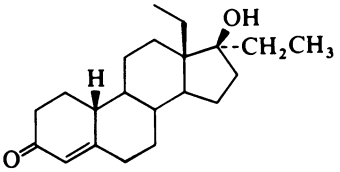
▷DN6650000.

Biel, J.H. *et al, J. Am. Chem. Soc.*, 1954, **76**, 3149 (*synth, pharmacol*)
Waalkes, T.P. *et al, Science*, 1958, **127**, 648 (*isol*)
Pratesi, P. *et al, J. Chem. Soc.*, 1959, 4062 (*abs config*)
Levy, B. *et al, Drill's Pharmacology*, 1971, McGraw-Hill, N.Y., 4th Ed., 627 (*rev, pharmacol*)
Applewhite, P.B., *Phytochemistry*, 1973, **12**, 191 (*occur*)
Donike, M., *Chromatographie*, 1974, **7**, 651 (*ms*)
Andersen, A.M., *Acta Chem. Scand., Ser. B*, 1975, **29**, 871 (*cryst struct*)
Rajan, K.S. *et al, Bioinorg. Chem.*, 1976, **6**, 93 (*uv*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur, bibl*)
Wilson, T.D. *et al, Anal. Profiles Drug Subst.*, 1982, **11**, 555 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2087.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2071, 2072.

Norbolethone, USAN **N-00209**

13-Ethyl-17β-hydroxy-18,19-dinorpregn-4-en-3-one, 9CI, 8CI. ***Norboletone, INN.*** *Genabol. Wy 3475*

[797-58-0]



$C_{21}H_{32}O_2$ M 316.483

▷JF7970000.

(+)-form

Cryst. (Me_2CO/hexane). Mp 175-176°. $[\alpha]_D$ +20.7° ($CHCl_3$).

(−)-form

Cryst. (Me_2CO/hexane). Mp 172-175.5°. $[\alpha]_D$ −18.1° ($CHCl_3$).

(±)-form [1235-15-0]

Anabolic steroid. Cryst. (EtOH). Mp 144-145°.

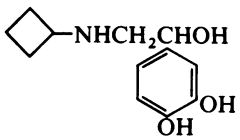
▷JF7972000.

Edgren, R.A. *et al, Steroids*, 1963, **2**, 731 (*pharmacol*)
Smith, H., *J. Chem. Soc.*, 1964, 4472 (*synth, pharmacol*)

Norbutrine, BAN **N-00210**

4-[2-(Cyclobutylamino)-1-hydroxyethyl]-1,2-benzenediol, 9CI. α-[(Cyclobutylamino)methyl]-3,4-dihydroxybenzyl alcohol, 8CI. N-*Cyclobutylnoradrenaline.* ***Norbudrine, INN.*** *RD 9338*

[15686-81-4]



$C_{12}H_{17}NO_3$ M 223.271

(±)-form

Bronchodilator.

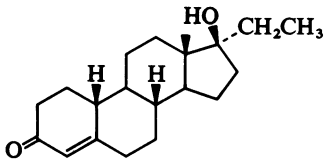
B,HCl: [13329-35-6]. Mp 171° dec.

B.P., 1 037 658, (*1966*); *CA*, **66**, 2371h (*synth, pharmacol*)

Norethandrolone, BAN, INN **N-00211**

17-Hydroxy-19-norpregn-4-en-3-one, 9CI. 17α-Ethyl-17β-hydroxy-4-oestren-3-one. 17-Ethyl-19-nortestosterone. Noretandroline. Nilevar. Pronabol. CB 8022

[52-78-8]



$C_{20}H_{30}O_2$ M 302.456

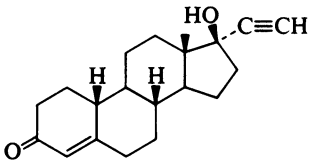
Anabolic steroid, androgen. Cryst. (MeOH). Mp 140-141°.

▷RC8961200.

Colton, F.B. *et al, J. Am. Chem. Soc.*, 1957, **79**, 1123 (*synth*)
Junkmann, K. *et al, Arzneim.-Forsch.*, 1962, **12**, 214 (*pharmacol*)
Caspi, E. *et al, Can. J. Chem.*, 1963, **41**, 2294 (*pmr*)
Smith, H. *et al, J. Chem. Soc.*, 1964, 4472 (*synth*)
Zaretskii, V.I. *et al, Tetrahedron*, 1968, **24**, 2339 (*ms*)
Boris, A. *et al, Steroids*, 1970, **15**, 61 (*pharmacol*)
U.S.P., 3 959 322, (*1976*); *CA*, **85**, 94611 (*synth*)

Ward, R.J. *et al*, *J. Steroid Biochem.*, 1977, **8**, 1057 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9075.

Norethisterone, BAN, INN **N-00212**
17-Hydroxy-19-norpregn-4-en-20-yn-3-one, 9CI. 17α-Ethynyl-17β-hydroxy-4-oestren-3-one. ***Norethindrone, USAN.*** *NSC 9564. Numerous other synonyms*
[68-22-4]



$C_{20}H_{26}O_2$ M 298.424
Progestational steroid used in contraceptive formulations. Cryst. (EtOAc). Mp 203-204°. $[\alpha]_D^{20}$ −31.7° ($CHCl_3$). Component of Brevinor, Ovysmen, Trinovum, Norimin, Micronor and Noriday.
▷RC8975000.

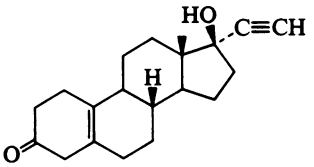
Ac: [51-98-9]. ***Norethisterone acetate, BAN.*** *Norethindrone acetate, USAN. Other proprietary names.*
$C_{22}H_{28}O_3$ M 340.461
Progestin. Cryst. (Me_2CO/hexane). Mp 161-163°. $[\alpha]_D$ −33° ($CHCl_3$). Component of Loestrin, Norlestrin, Gynovlar, Minovlar and Milligynon.
▷RC8965000.

Ac, 3-oxime: [20799-24-0]. ***Norethisterone acetate oxime.***
$C_{22}H_{29}NO_3$ M 355.476
Progestin. Post-coital contraceptive. Mp 229-230°.

Heptanoyl: [3836-23-5]. ***Norethisterone enanthate, BAN.*** *Other proprietary names.*
$C_{27}H_{38}O_3$ M 410.595
Progestin. Cryst. (pet. ether). Mp 68-71°.
▷RC8973000.

Djerassi, C. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 4092 (*synth*)
Siemann, H.J. *et al*, *J. Prakt. Chem.*, 1969, **311**, 671 (*synth*)
Michnowicz, J. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 765 (*ms*)
Brogden, R.N. *et al*, *Drugs*, 1973, **6**, 169 (*rev*)
Schroff, A.P. *et al*, *J. Med. Chem.*, 1973, **16**, 113 (*acetate oxime*)
Schroff, A.P. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 268 (*rev*)
Mornon, J.P. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1976, **282**, 387 (*cryst struct*)
Nishino, Y. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 439 (*enanthate*)
Huempel, M. *et al*, *Contraception*, 1982, **26**, 83 (*rev, metab*)
Lal, K. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 682 (*enanthate*)
Baier, H. *et al*, *Helv. Chim. Acta*, 1985, **68**, 1054 (*synth, cd*)
Leung, S.L. *et al*, *Steroids*, 1985, **46**, 639 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5844, 6627, 7586 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9076, 9077, 9078.

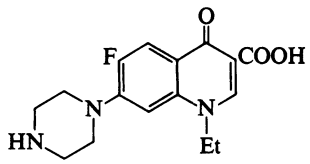
Norethynodrel, BAN, USAN **N-00213**
17-Hydroxy-19-norpregn-5(10)-en-20-yn-3-one, 9CI. 17α-Ethynyl-17β-hydroxy-5(10)-oestren-3-one. ***Norethynodrel, INN.*** *5(10)-Norethisterone. NSC 15432. Other primary names*
[68-23-5]



$C_{20}H_{26}O_2$ M 298.424
Progestational steroid used in oral contraceptives. Cryst. (MeOH aq.). Mp 169-170°. $[\alpha]_D$ +108° (c, 1 in $CHCl_3$), +122° (dioxan). Component of Enovid.
▷RC8980000.

U.S.P., 2 691 028, (*1955*); *CA*, **49**, 11729 (*synth*)
U.S.P., 2 725 389, (*1956*); *CA*, **50**, 9455 (*synth*)
Palmer, K.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1969, **167**, 207.
Cook, C.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **183**, 197.
Drill, V.A., *J. Toxicol. Environ. Health*, 1977, **3**, 133, 139 (*revs*)
McPhail, A.T. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 379 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5845 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9079.

Norfloxacin, BAN, USAN, INN **N-00214**
1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid. Baccidal. MK 366. A 7715. Numerous proprietary names
[70458-96-7]



$C_{16}H_{18}FN_3O_3$ M 319.335
Antibacterial agent. Cryst. (CH_2Cl_2/MeOH). Mp 227-228°. Hygroscopic in air forming hemihydrate. Component of Noroxin.
▷Low toxicity in rats and mice, LD_{50} 220-270 mg/kg, i.v. VB2005000.

B,HCl: [68077-27-0]. Cryst. (EtOH aq.). Mp >300°.

N^4-Me: [70458-92-3]. ***Pefloxacin, INN, USAN.*** *Perfloxacin. Eu 5306. 1589 RB.*
$C_{17}H_{20}FN_3O_3$ M 333.362
Antibacterial agent. Cryst. (DMF). Mp 272-274°.

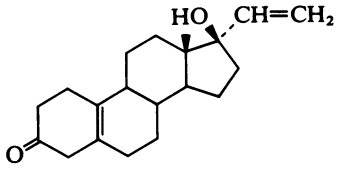
N^4-Me; B,$MeSO_3H$: Pefloxacin mesylate, USAN. Peflacine DCI. Cryst. + $2H_2O$. Mp 284-286° dec.

Koga, H. *et al*, *J. Med. Chem.*, 1980, **23**, 1358 (*synth*)
Goneftou, Y. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1981, **292**, 37.
Hirai, K. *et al*, *Antimicrob. Agents Chemother.*, 1981, **19**, 188 (*pharmacol*)
Irikura, T. *et al*, *Chemotherapy (Tokyo)*, Suppl. 4, 1981, **29**, 766 (*tox*)
Burnie, J., *Drugs of Today*, 1984, **20**, 391 (*rev*)
Pauliulconis, L.T. *et al*, *J. Pharm. Sci.*, 1984, **73**, 99 (*hplc*)
Wise, R., *J. Antimicrob. Chemother.*, 1984, **13** (*Suppl. B*), 59 (*rev*)
Toffoli, P. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1745 (*Pefloxacin, cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12349, 16941.

Norgesterone, INN **N-00215**

17α-Vinyl-5(10)estren-17-ol-3-one, 8CI. *17-Hydroxy-19-norpregna-5(10),20-dien-3-one,* 9CI. *Norvinodrel. Vinilestrenolone*

[13563-60-5]



$C_{20}H_{28}O_2$ M 300.440

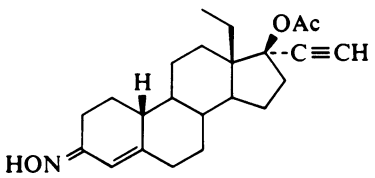
Progestin. Mp 142-143°. $[\alpha]_D$ +161° ($CHCl_3$).

Hiscock, A.K. *et al, J. Chem. Soc.,* 1965, 5772 (*synth*)
Ruggieri, R. *et al, Steroids,* 1965, **5**, 73 (*pharmacol*)

Norgestimate, BAN, USAN, INN **N-00216**

17β-(Acetyloxy)-13-ethyl-18,19-dinor-4-pregnen-20-yn-3-one 3-oxime, 9CI. *13-Ethyl-3-hydroxyimino-18,19-dinor-4-pregnen-20-yn-17β-yl acetate. Dexnorgestrel acetime. Ortrel. D 138. ORF 10131*

[35189-28-7]



$C_{23}H_{31}NO_3$ M 369.503

Progestin, ovulation inhibitor. Cryst. ($EtOH/CH_2Cl_2$). Mp 214-218°. $[\alpha]_D^{25}$ +41°.

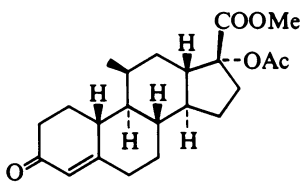
▷JF7976000.

Ger. Pat., 2 633 210, (*1977*); *CA,* **86**, 190343k (*synth, pharmacol*)
Hahn, D.W. *et al, Contraception,* 1977, **16**, 541 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13031.

Norgestomet, BAN, USAN, INN **N-00217**

17-(Acetyloxy)-11β-methyl-19-norpregn-4-ene-3,20-dione, 9CI. *SC 21009*

[25092-41-5]



$C_{23}H_{32}O_4$ M 372.503

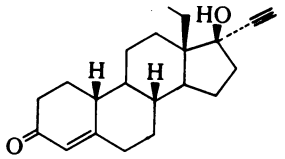
Progestational steroid (freq. for vet. use). Cryst. (Et_2O). Mp 190-191.5°.

Ger. Pat., 1 813 083, (*1969*); *CA,* **72**, 44026 (*synth*)
Gilbert, H.G. *et al, Steroids,* 1974, **23**, 585 (*pharmacol*)

Norgestrel, BAN, USAN **N-00218**

13β-Ethyl-17β-hydroxy-18,19-dinor-4-pregnen-20-yn-3-one. 13β-Ethyl-17α-ethynyl-17β-hydroxy-4-gonen-3-one. 17α-Ethynyl-18-methyl-19-nortestosterone. 13-Ethyl-17-hydroxy-18,19-dinor-17-pregn-4-en-20-yn-3-one

[797-63-7]



$C_{21}H_{28}O_2$ M 312.451

Progestin. Oral contraceptive. Component of Logynon, Nordette, Eugynon, Microgynon, Ovran, Ovranette, Trinordiol and numerous other oral contraceptive formulations.

(−)-***form*** [797-63-7]

***Levonorgestrel,* INN.** *Dexnorgestrel (obsol.). Microlut. Microval. Norgeston. Other proprietary names*

Synthetic progestogen. Used in oral contraceptives. Cryst. ($MeOH/CHCl_3$). Mp 238-242°. $[\alpha]_D$ −32.4° (c, 0.5 in $CHCl_3$).

(+)-***form*** [797-64-8]

Inactive in antioestrogenic test. Cryst. ($MeOH/CHCl_3$). Mp 239-241°. $[\alpha]_D$ +40.7° ($CHCl_3$).

▷JF8259000.

(±)-***form*** [6533-00-2]

Cryst. (MeOH). Mp 205-207°.

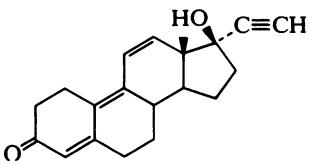
▷JF8225200.

Smith, H. *et al, J. Chem. Soc.,* 1964, 4472 (*synth*)
Rosenberger, M. *et al, Helv. Chim. Acta,* 1971, **54**, 2857 (*synth*)
DeAngelis, N.J. *et al, Acta Crystallogr., Sect. B,* 1975, **31**, 2040 (*struct*)
Sauer, G. *et al, Angew. Chem. Int. Ed. Engl.,* 1975, **14**, 417 (*synth*)
Sopirak, A. *et al, Anal. Profiles Drug Subst.,* 1975, **4**, 294 (*rev*)
Ranney, R.E., *J. Toxicol. Environ. Health,* 1977, **3**, 139 (*rev, metab*)
Horvath, G. *et al, Adv. Mass Spectrom.,* 1978, **7B**, 1280 (*ms*)
Jones, R.C. *et al, Int. J. Fertil.,* 1979, **24**, 39 (*props, enantiomers*)
Baier, H. *et al, Helv. Chim. Acta,* 1985, **68**, 1054 (*synth, cd, abs config, nomencl*)
Cleve, G. *et al, Arzneim.-Forsch.,* 1986, **36**, 784 (*mol struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 6287, 6288.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9080, 9081.
Sax, N.I., *Dangerous Properties of Industrial Materials,* 6th Ed., Van Nostrand-Reinhold, 1984, 2072.

Norgestrienone, INN **N-00219**

17-Hydroxy-19-nor-17α-pregna-4,9,11-trien-20-yn-3-one, 9CI. *Ogyline. R 2010. A 301*

[848-21-5]



$C_{20}H_{22}O_2$ M 294.393

Progestin. Pale-yellow needles. Mp 168°. $[\alpha]_D^{20}$ +63° (c, 0.5 in EtOH).

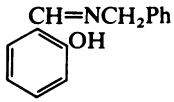
▷RC8960080.

Nomine, G. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1965, **260**, 4545 (*synth, pharmacol*)
Lepicard, G. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2751 (*cryst struct*)
Puech, A. *et al*, *J. Chromatogr.*, 1975, **108**, 345 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13032.

Norletimol, INN N-00220

2-[[(Phenylmethyl)imino]methyl]phenol, 9CI. o-(N-*Benzylformimidoyl)phenol, 8CI*

[886-08-8]



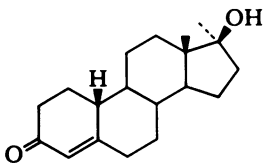
$C_{14}H_{13}NO$ M 211.263
Forms metal complexes. Antirheumatic agent. Yellow cryst. (Et_2O). Mp 29°.

Mason, A.T. *et al*, *J. Chem. Soc.*, 1894, 191 (*synth*)
Cohen, M.D. *et al*, *J. Chem. Soc. (B)*, 1967, 321 (*uv*)
Percy, G.C. *et al*, *J. Inorg. Nucl. Chem.*, 1972, **34**, 3369 (*ir, nmr*)

Normethandrone N-00221

17-Hydroxy-17-methylestr-4-en-3-one, 9CI. 17α-Methyl-19-nortestosterone, 8CI. Metalutin. Orgasteron. NSC 10039. Lutenin. Matronal. Methylestrenolone. Normethisterone. P-6051

[514-61-4]



$C_{19}H_{28}O_2$ M 288.429
Androgen. Mp 156°. $[\alpha]_D$ +33°.

(7α,17β)-form [3764-87-2]
Trestolone, INN
Androgen, antineoplastic agent.

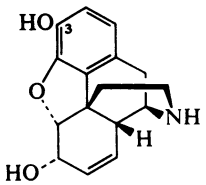
17-Ac: [6157-87-5]. ***Trestolone acetate, USAN.*** *CDB 903. NSC 69948. U 15614.*
$C_{21}H_{30}O_3$ M 330.466
Contraceptive, antineoplastic agent. Mp 108-110°.

Djerassi, C. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 4092 (*synth, pharmacol*)
Grunwell, J.F. *et al*, *Steroids*, 1976, **27**, 759 (*synth, pharmacol, ir, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9082.

Normorphine, INN N-00222

7,8-Didehydro-4,5-epoxymorphinan-3,6-diol, 9CI. Desmethylmorphine. Normorfina

[466-97-7]



$C_{16}H_{17}NO_3$ M 271.315
Narcotic analgesic. Needles + $1\frac{1}{2}H_2O$. Mp 272-273°. See also refs. given under Morphine, M-00449 .
▷Addictive

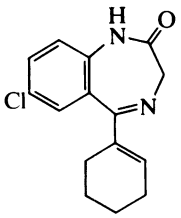
B,HCl: [3372-02-9]. Cryst. + $1H_2O$. Mp 305° dec.
3-Me ether: [467-15-2]. ***Norcodeine, INN, BAN.*** *7,8-Didehydro-4,5-epoxy-3-methoxymorphinan-6-ol, 9CI. Desmethylcodeine.*
$C_{17}H_{19}NO_3$ M 285.342
Narcotic analgesic. Plates or needles (EtOAc or Me_2CO). Mp 186°.
▷QD0877000.
3-Me ether; B,HCl: [14648-14-7]. Cryst. + $3H_2O$. Mp 309° (anhyd.).
N-*Me: See Morphine, M-00449*

Weijlard, J. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 869 (*synth*)
Bentley, K.W., *Chemistry of the Morphine Alkaloids*, Oxford Univ. Press, 1954, 25, 69 (*bibl*)
Adler, T.K., *J. Pharmacol. Exp. Ther.*, 1963, **140**, 155 (*pharmacol, norcodeine*)
Kutter, E. *et al*, *J. Med. Chem.*, 1970, **13**, 801 (*activity*)
Abdel-Monem, M.M. *et al*, *J. Med. Chem.*, 1972, **15**, 208 (*synth, activity, norcodeine*)
Rice, K.C., *J. Org. Chem.*, 1975, **40**, 1850.
Frederickson, R.C. *et al*, *Life Sci.*, 1976, **19**, 1181 (*pharmacol*)
Rice, K.C., *J. Heterocycl. Chem.*, 1977, **14**, 665 (*synth, noreodeine*)
Yeh, S.Y. *et al*, *J. Pharm. Sci.*, 1978, **67**, 878 (*metab*)
Ghozland, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1983, **18**, 22 (*pmr*)
Galligan, J.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1984, **229**, 641 (*pharmacol*)
Iorio, M.A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 11 (*synth*)

Nortetrazepam, INN N-00223

7-Chloro-5-(1-cyclohexen-1-yl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one, 9CI. CB 4260

[10379-11-0]



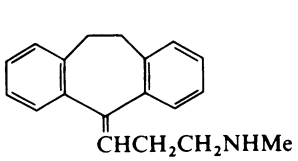
$C_{15}H_{15}ClN_2O$ M 274.749
Tranquilliser. Mp 196-198°.

Fr. Pat., 1 455 048, (*1966*); *CA*, **66**, 95096k (*synth, pharmacol*)
Schmitt, J. *et al*, *Chim. Ther.*, 1967, **2**, 254 (*synth*)

Nortriptyline, BAN, INN N-00224

3-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)-N-methyl-1-propanamine, 9CI. 10,11-Dihydro-N-methyl-5H-dibenzo[a,d]cycloheptene-Δ$^{5,\gamma}$-propylamine, 8CI. 5-(3-Methylaminopropylidene)dibenzo[a,d]-cyclohepta-1,4-diene. Desitriptyline

[72-69-5]



$C_{19}H_{21}N$ M 263.382
Antidepressant.
▷HO9800000.

B,HCl: [894-71-3]. *Nortryptyline hydrochloride, USAN, JAN. Norzepine. Allegron. Numerous proprietary names.* Insol. C_6H_6, Me_2CO, Et_2O. Mp 213-215°.

▷HP0175000.

N-*Me:* [50-48-6]. *3-(10,11-Dihydro-5H-dibenzo*[a,d]*-cyclohepten-5-ylidene)-N,N-dimethyl-1-propanamine, 9CI. 10,11-Dihydro-N,N-dimethyl-5H-dibenzo*[a,d]*cycloheptene-*$\Delta^{5,\gamma}$*-propylamine, 8CI.* **Amitryptyline, BAN, INN.**

$C_{20}H_{23}N$ M 277.408

Antidepressant.

▷HO9275000.

N-*Me; B,HCl:* [549-18-8]. *Tryptizol. Saroten. Amitriptyline hydrochloride, USAN. Amitid. Amitril. Elavil. Endep. Numerous other synonyms.* Minute cryst. V. sol. H_2O. Mp 196-197°. Component of Limbitrol, Triavil, Etrafon.

▷HO9450000.

N-*Me,*N-*oxide:* [4317-14-0]. ***Amitryptylinoxide, INN.*** *Ambivalon. Equilibrin.*

$C_{20}H_{23}NO$ M 293.408

Antidepressant. Mp 228-230°.

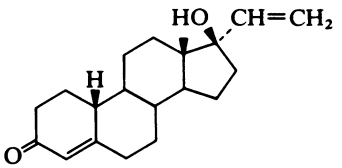
▷HO9550000.

Hoffsommer, R.D. *et al, J. Org. Chem.*, 1962, **27**, 4134; *J. Med. Chem.*, 1965, **8**, 555 (*synth*)
Ger. Pat., 1 243 180, (*1967*); *CA*, **68**, 2743x (*Amitryptylinoxide*)
Hale, J.L., *Anal. Profiles Drug Subst.*, 1972, **1**, 233 (*rev, Nortriptyline*)
Kassau, E., *Deut. Apoth.-Ztg.*, 1973, **113**, 1332 (*cryst struct*)
Saferstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1284 (*ms*)
Blessel, K.W., *Anal. Profiles Drug. Subst.*, 1974, **3**, 127 (*Amitryptyline, rev*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Sjoqvist, F., *Acta Pharm. Suec.*, 1974, **11**, 661 (*rev, pharmacol*)
Down, G.J. *et al, J. Chromatogr.*, 1975, **103**, 208 (*ms, deriv*)
Wenzl, H. *et al, Arzneim.-Forsch.*, 1978, **28**, 1873 (*Amitriptylinoxide*)
Hyttel, J. *et al, Acta Pharmacol. Toxicol.*, 1980, 47, 53 (*pharmacol*)
Miodownik, A. *et al, Synth. Commun.*, 1981, **11**, 241 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2530, 2502, 2501.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5229, 5689.

Norvinisterone, INN N-00225

17-Hydroxy-19-norpregna-4,20-dien-3-one, 9CI. 17β-Hydroxy-17α-vinylestr-4-en-3-one, 8CI. Nor-Progestelea. Neoprogestin. Vinylnortestosterone. SC-4641

[6795-60-4]



$C_{20}H_{28}O_2$ M 300.440

Androgen. Mp 169-171°. $[\alpha]_D$ +25° ($CHCl_3$).

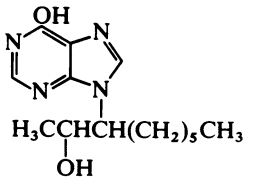
▷RC8899550.

Saudoval, A. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4117 (*synth*)
Saunders, F.J. *et al, Endocrinology*, 1956, **58**, 567 (*pharmacol*)

Nosantine, BAN, INN N-00226

1,9-Dihydro-9-[1-(1-hydroxyethyl)heptyl]-6H-purin-6-one, 9CI. Erimunol. NPT 15392. 9-[1-(1-Hydroxyethyl)-heptyl]hypoxanthine

[76600-30-1]



$C_{14}H_{22}N_4O_2$ M 278.353

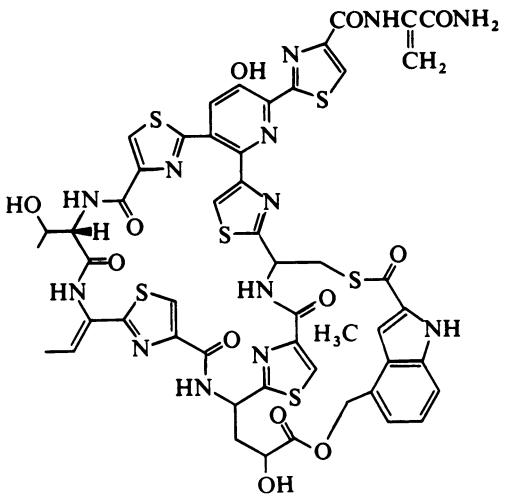
Immunomodulator. Cryst. (EtOH aq.). Mp 202°. Opt. active isomers also known.

Eur. Pat., 9 155, (*1980*); *CA*, **93**, 168308a (*synth, pharmacol*)
Bessodes, M. *et al, Tetrahedron Lett.*, 1984, **25**, 5899 (*synth*)
Pfadenhauer, E.H. *et al, Drug Metab. Dispos.*, 1984, **12**, 280 (*metab*)
Simon, L.N. *et al, Immunol. Ser.*, 1984, **25**, 475 (*rev*)
Exon, J.H. *et al, Fundam. Appl. Toxicol.*, 1986, **7**, 387 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19591.

Nosiheptide, BAN, INN, USAN N-00227

Nosiheptine. Multhiomycin. Primofax. RP 9671

[56377-79-8]



$C_{51}H_{43}N_{13}O_{12}S_6$ M 1222.341

Cyclic depsipeptide antibiotic. Isol. from *Streptomyces actuosus, S. antibioticus, S. glaucogriseus* and *Actinoplanes* sp. Shows broad-spectrum antibacterial activity *in vitro*. Veterinary growth stimulant. Yellow powder or prisms. Mp 310-320°. Related to Thiostrepton, T-00210 .

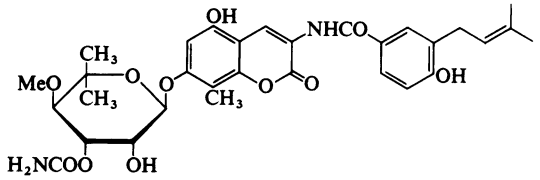
▷RD2685000.

Depaire, H. *et al, Tetrahedron Lett.*, 1977, 1395, 1397, 1401, 1403 (*struct, nmr, ir, uv*)
Pascard, C. *et al, J. Am. Chem. Soc.*, 1977, **99**, 6418 (*cryst struct*)
Endo, T. *et al, J. Antibiot.*, 1978, **31**, 623 (*struct, ir, cmr*)
Benazet, F. *et al, Experientia*, 1980, **36**, 414 (*rev*)
Japan. Pat., 81 127 092, (*1981*); *CA*, **96**, 33357 (*isol*)
Iwakawa, M. *et al, Chem. Lett.*, 1982, 1975 (*synth*)
Eur. Pat., 73 329, (*1983*); *CA*, **99**, 37103 (*isol*)
Houck, D.R. *et al, J. Am. Chem. Soc.*, 1987, **109**, 1250 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13034.

Novobiocin, BAN, INN N-00228

Albamycin. Biotexin. Cardelmycin. Cathocin. Cathomycin. Inamycin. Spheromycin. Streptonivicin. Vulcamycin. PA 93. Antibiotic PA 93. Other proprietary names

[303-81-1]



$C_{31}H_{36}N_2O_{11}$ M 612.632

Antibiotic from *Streptomyces niveus, S. spheroides, S. griseoflavus* and *S. griseus*. Active against gram-positive bacteria; used clinically. Light-sensitive pale-yellow cryst. (EtOH). Mp 174-178° and 152-156° (159-161°) (dimorph.). $[\alpha]_D^{25}$ −62° (c, 1 in EtOH). pK_{a1} 4.3, pK_{a2} 9.1.

▷CU9080000.

Na salt: [1476-53-5]. Mp 210-215° dec. $[\alpha]_D^{25}$ −34° (c, 1.08 in H_2O).

▷RD5425000.

O-Decarbamoyl: Descarbamylnovobiocin.

$C_{30}H_{35}NO_{10}$ M 569.607

Isol. from cultures of *Streptomyces spheroides* (*Actinomyces spheroides*). Mp 130-140°. $[\alpha]_D^{24}$ −17.7° (MeOH).

$O^{3'}$-Decarbamoyl, $O^{2'}$-carbamoyl: Isonovobiocin.

$C_{31}H_{36}N_2O_{11}$ M 612.632

Isol. from cultures of *S. spheroides*.

Hinman, J.W. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1072, 2019; 1957, **79**, 3789 (*isol, struct*)

Shunk, C.H. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1770, 2655, 5454 (*isol, struct*)

Vaterlans, B.P. *et al*, *Helv. Chim. Acta*, 1964, **47**, 390 (*synth, ir, uv*)

Gracheva, I.V. *et al*, *Antibiotiki* (*Moscow*), 1966, **11**, 45; *CA*, **65**, 2961 (*isol, Isonovobiocin, Descarbamylnovobiocin*)

Brock, T.D., *Antibiotics* (*N.Y.*), 1967, **1**, 671 (*rev*)

Calvert, R.T. *et al*, *J. Pharm. Pharmacol.*, 1972, **24**, 972 (*biosynth*)

Boles, M.O. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1400 (*cryst struct*)

Achmatowicz, O. *et al*, *Tetrahedron*, 1976, **32**, 1051 (*struct*)

Dolak, L., *J. Antibiot.*, 1976, **29**, 710 (*cmr*)

Berger, J. *et al*, *J. Chromatogr. Libr.*, 1978, **15**, 101 (*rev*)

Ryan, M.J., *Antibiotics* (*N.Y.*), 1979, **5**, 214 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 115.

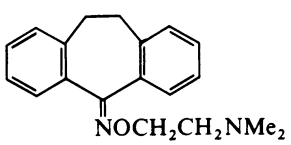
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7910.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2075.

Noxiptyline, BAN N-00229

10,11-Dihydro-5H-dibenzo[a,d]*cyclohepten-5-one* O-[*2-dimethylamino*)*ethyl*]*oxime*, *9CI, 8CI.* ***Noxiptiline, INN.*** *Sipcar. Dibenzoxin*

[3362-45-6]



$C_{19}H_{22}N_2O$ M 294.396

Antidepressant. $Bp_{0.05}$ 160-164°.

B,HCl: [4985-15-3]. *Agedal. Elronon. Bay 1521. CD 37B.* Mp 185-187°.

▷HP1150000.

Hoffmeister, F., *Arzneim.-Forsch.*, 1969, **19**, 838 (*synth, pharmacol*)

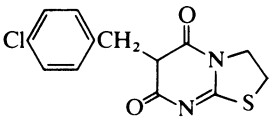
Bandoli, G. *et al*, *J. Crystallogr. Spectrosc. Res.*, 1983, **13**, 191 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2531.

Nuclomedone, INN N-00230

6-[*(4-Chlorophenyl)methyl*]*-2,3-dihydro-5*H*-thiazolo*[*3,2-*a]*pyrimidino-5,7*(6H)*-dione*, *9CI. TEI 3096. TI 31*

[75963-52-9]



$C_{13}H_{11}ClN_2O_2S$ M 294.755

(±)-form

Immunosuppressant. Mp 273.5-275.5°.

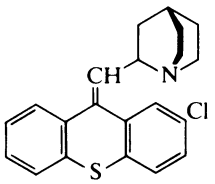
Eur. Pat., 50 671, (*1982*); *CA*, **96**, 162337z (*synth, pharmacol*)

Komoriya, K. *et al*, *Jpn. J. Pharmacol.*, 1987, **45**, 389 (*pharmacol*)

Nuclotixene, INN N-00231

3-[*(2-Chloro-9*H*-thioxanthen-9-ylidene)methyl*]*-1-azabicyclo*[*2.2.2*]*octane*, *9CI. 3-*[*(2-Chlorothioxanthan-9-ylidene)methyl*]*quinuclidine*

[36471-39-3]



$C_{21}H_{20}ClNS$ M 353.909

(±)-form

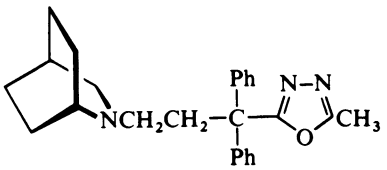
Tranquilliser. Cryst. (Et_2O). Mp 134°.

Ger. Pat., 2 113 793, (*1971*); *CA*, **76**, 34132d (*synth, pharmacol*)

Nufenoxole, BAN, INN, USAN N-00232

2-[*3-(5-Methyl-1,3,4-oxadiazol-2-yl)-3,3-diphenylpropyl*]*-2-azabicyclo*[*2.2.2*]*octane*, *9CI. Octanucline. SC 27166*

[57726-65-5]



$C_{25}H_{29}N_3O$ M 387.524

Antidiarrhoeal drug. Mp 121-123°.

▷CL5629500.

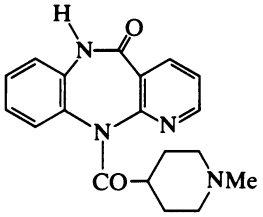
Adelstein, G.W. *et al*, *J. Med. Chem.*, 1976, **19**, 1221 (*synth, pharmacol*)

Mackerer, C.R. *et al*, *J. Am. Coll. Toxicol.*, 1983, **3**, 81 (*rev*)

Nuvenzipine, INN **N-00233**

6,11-Dihydro-11-[(1-methyl-4-piperidinyl)carbonyl]-5H-pyrido[2,3-b][1,5]benzodiazepin-5-one, 9CI

[96487-37-5]



$C_{19}H_{20}N_4O_2$ M 336.393

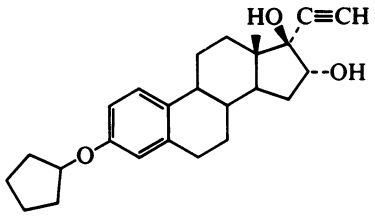
Gastric secretion inhibitor. Mp 229-232° dec.

Eur. Pat., 125 607, (*1984*); *CA*, **102**, 220855 (*synth*)

Nylestriol, BAN, USAN **N-00234**

3-(Cyclopentyloxy)-19-norpregna-1,3,5(10)-trien-20-yne-16α,17α-diol, 9CI. ***Nilestriol, INN.*** *Lilly 49825*

[39791-20-3]



$C_{25}H_{32}O_3$ M 380.526

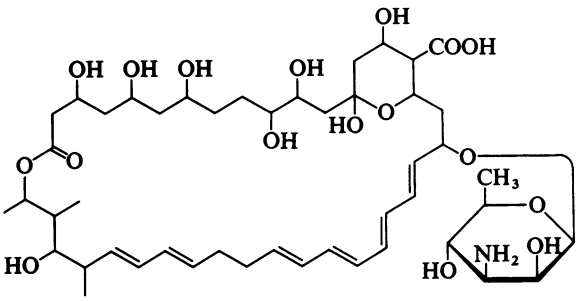
Oestrogen. Cryst. (Et_2O/hexane). Mp 162-165°.

U.S.P., 3 790 605, (*1974*); *CA*, **80**, 121211e (*synth, pharmacol*)

Nystatin, BAN, INN **N-00235**

Fungicidin. Mycostatin. Numerous proprietary names

[1400-61-9]



Nystatin A_1

Polyene antibiotic complex. Complex separated into Nystatins A_1,A_2 (Polyfungin A_2) and A_3 (Polyfungin A_3). Strain also prod. Nystatin *B*. Prod. by *Streptomyces noursei* and other spp. Antifungal agent active against yeasts. No significant effect on bacteria or viruses. Light-yellow powder. Mp >250°. $[\alpha]_D^{25}$ −10° (AcOH), +21° (Py), +12° (DMF). Gradually dec. >160°.

▷RF5950000.

Me ester: [52439-07-3]. Mp 110-116° dec. $[\alpha]_D^{26}$ +45.3° (DMF).

Nystatin A1 [34786-70-4]

Polyfungin A_1

$C_{47}H_{70}NO_{17}$ M 921.067

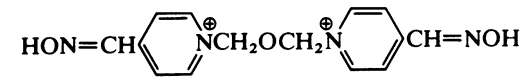
From *S. noursei*. Major component of Nystatin complex.

B.P., 714 189, (*1955*); *CA*, **49**, 4242 (*isol*)
Walter, D.R. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 5076 (*struct*)
Mainwaring, D.G. *et al*, *Tetrahedron Lett.*, 1969, 5319 (*struct*)
Chong, C.N. *et al*, *Tetrahedron Lett.*, 1970, 5145 (*struct*)
Michel, G.W., *Anal. Profiles Drug Subst.*, 1977, **6**, 341 (*rev*)
Pandey, R.C. *et al*, *J. Antibiot.*, 1977, **30**, 158 (*synth*)
Holz, R.W., *Antibiotics* (*N.Y.*), 1979, **5**, 313 (*rev*)
Travkin, O.V. *et al*, *Antibiotiki* (*Moscow*), 1981, **26**, 519 (*props*)
Coline, A. *et al*, *J. Antibiot.*, 1985, **38**, 181 (*spectra*)
Peterson, N.O. *et al*, *Can. J. Chem.*, 1985, **63**, 77 (*spectra*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2596.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8257.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2077.

O

Obidoxime(2+) **O-00001**

1,1'-[Oxybis(methylene)]bis[4-[(hydroxyimino)-methyl]]pyridinium, *9CI*. *1,1'-(Oxydimethylene)bis[4-formylpyridinium dioxime]*, *8CI*



$C_{14}H_{16}N_4O_3^{\oplus\oplus}$ M 288.305 (ion)

Cholinesterase reactivator, used in the treatment of organophosphorus poisoning.

Dichloride: [114-90-9]. *Obidoxime chloride*, *USAN*, *INN*. *Toxogonin*. *Pirrangit*. *Toxobidin*.

$C_{14}H_{16}Cl_2N_4O_3$ M 359.211

Mp 225° dec.

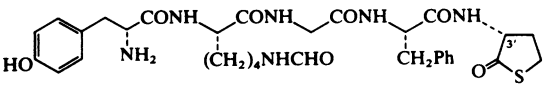
▷UU6825000.

B.P., 930 040, (*1963*); *CA*, **60**, 2905g (*synth*, *pharmacol*)
Erdmann, W.D. *et al*, *Deut. Med. Wochschr.*, 1965, **90**, 1436 (*metab*)
Erdmann, W.D., *Naunyn-Schmiedebergs Arch. Pharmakol. Exp. Pathol.*, 1969, **263**, 61 (*tox*)
Kuhnen, H., *J. Chromatogr.*, 1969, **41**, 481 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1043.

Ociltide, INN **O-00002**

L-Tyrosyl-N⁶-formyl-D-lysylglycyl-N-(tetrahydro-2-oxo-3-thionyl)-L-phenylalaninamide, *9CI*. *Hoe 825*

[78410-57-8]



$C_{31}H_{40}N_6O_7S$ M 640.753

(3'S)-form [88391-91-7]

Gut motility stimulator.

B,HCl: [88728-81-8]. Cryst. + $3H_2O$. $[\alpha]_D^{23}$ +6.0° (c, 1 in MeOH), $[\alpha]_D^{22}$ +8.5° (c, 1 in DMF).

Geiger, R. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1983, **364**, 1555 (*synth*, *pharmacol*)
Bickel, M. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1417 (*pharmacol*)

Ocrase, INN **O-00003**

[51899-01-5]

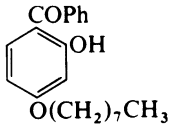
Isol. from *Aspergillus ochraceus*. Fibrinolytic enzyme.

Miyake, S. *et al*, *CA*, 1960, **54**, 17549d (*isol*, *props*)
Kishida, T. *et al*, *CA*, 1964, **60**, 1999f (*struct*)
Kloecking, H.P. *et al*, *Acta Biol. Med. Ger.*, 1971, **26**, 35 (*activity*)
Kloecking, H.P. *et al*, *Folia Haematol.* (*Leipzig*), 1974, **101**, 111 (*pharmacol*)
Kleking, G.R. *et al*, *Farmakol. Toksikol* (*Moscow*), 1975, **38**, 341 (*props*)

Octabenzone, USAN, INN **O-00004**

[2-Hydroxy-4-(octyloxy)phenyl]phenylmethanone, *9CI*. *2-Hydroxy-4-(octyloxy)benzophenone*, *8CI*. *Cyasorb UV 531*. *Spectra-Sorb* UV *531*

[1843-05-6]



$C_{21}H_{26}O_3$ M 326.435

UV screen, light stabiliser for polymers. Mp 45-46°.

Larin, N.A. *et al*, *Zh. Obshch. Khim.*, 1960, **30**, 2377; *CA*, **55**, 8348 (*synth*)
Patel, Y.M. *et al*, *Food Cosmet. Toxicol.*, 1968, **6**, 199 (*metab*, *toxicol*)
Gurvich, Y. *et al*, *Zh. Org. Khim.*, 1969, **5**, 1658 (*synth*)
Carrick, A. *et al*, *Org. Mass Spectrom.*, 1974, **8**, 229 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9311.

Octacaine, INN **O-00005**

3-(Diethylamino)-N-phenylbutanamide, *9CI*. *Diethylaminobutyranilide*. *Amplicaine*

[13912-77-1]

$PhNHCOCH_2CH(CH_3)NEt_2$

$C_{14}H_{22}N_2O$ M 234.341

(±)-form

Local anaesthetic, antiarrhythmic agent. Mp 46-47°. Bp_1 200°.

B,HCl: [59727-70-7]. Mp 132-134°.
Picrate: Mp 156-157°.

Swiss Pat., 318 077, (*1957*); *CA*, **52**, 428a (*synth*, *pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13036.

Octacosactrin, BAN **O-00006**

25-L-Aspartic acid-26-L-alanine-27-glycine-α$^{1\text{-}28}$-corticotropin(pig), *9CI*. ***Tosactide, INN***. *Homactid*. *Humacthid*

[47931-80-6]

Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asp-Ala-Gly-Glu

$C_{150}H_{230}N_{44}O_{38}S$ M 3289.799

Corticotrophic peptide.

Ger. Pat., 2 107 282, (*1971*); *CA*, **76**, 17812h (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1463.

9,12-Octadecadienoic acid **O-00007**

[2197-37-7]

$H_3C(CH_2)_4CH{=}CHCH_2CH{=}CH(CH_2)_7COOH$

$C_{18}H_{32}O_2$ M 280.450

(*E,E*)-*form* [506-21-8]
Linolelaidic acid
Constit. of *Chilopsis linearis* seed fat. Readily obt. by stereomutation of Linoleic acid. Cryst. (MeOH). Mp 28-29°. $Bp_{0.8}$ 179-183°.
Me ester: [2566-97-4].
$C_{19}H_{34}O_2$ M 294.476
Mp −7.8°. Bp_2 151-152°.

(*9E,12Z*)-*form* [2420-55-5]
Obt. by stereomutation of Linoleic acid. Mp 1°.

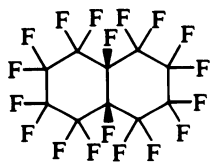
(*9Z,12E*)-*form* [2420-42-0]
Constit. of *Dimorphotheca sinuata* and *Crepis rubra* seed oils, also obt. from Linoleic acid. Mp 1°.

(*Z,Z*)-*form* [60-33-3]
Linoleic acid
Constit. of most vegetable oils and animal fats. Essential fatty acid. Mp −5°. Bp_{16} 229-230°, $Bp_{0.02}$ 129°.
▷RF9990000.
Me ester: [112-63-0]. Mp −35°. Bp_1 168-170°.
Et ester:
$C_{20}H_{36}O_2$ M 308.503
$Bp_{2.5}$ 175°.
Cyclohexylamide: [25167-65-1]. ***Clinolamide, INN.*** *Linolexamide.*
$C_{24}H_{43}NO$ M 361.610
Manuf. paints, emulsifiers, vitamins. Antipruritic agent. Mp 34-35°. $Bp_{0.02}$ 180-181°.
Ca salt: [19704-83-7]. *Linocalcium.*

Harlow, R.D. *et al, J. Am. Oil Chem. Soc.*, 1963, **40**, 505.
Japan. Pat., 63 625 966, (*1963*); *CA*, **65**, 7066a
Nakatani, H. *et al, Science*, 1966, **153**, 1267 (*Clinolamide, metab, activity*)
Gunstone, F.D. *et al, Chem. Phys. Lipids*, 1972, **9**, 112 (*synth, pmr*)
Ackman, R.G. *et al, J. Chromatogr. Sci.*, 1974, **12**, 131 (*chromatog*)
Gunstone, F.D. *et al, J. Sci. Food Agric.*, 1976, **27**, 675 (*isol*)

Octadecafluorodecahydronaphthalene, 8CI O-00008

Perfluorodecalin. ***Perflunafene, INN.*** *FDC*
[306-94-5]



cis-form

$C_{10}F_{18}$ M 462.081
Blood substitute, performs oxygen-carrying function of red blood cells; calibration standard for ms. Component of Fluosol DA.
▷QJ3175000.

cis-form
Mp −7°. Bp 142.5°. n_D^{18} 1.3179.

trans-form
Mp 17.5°. Bp 141.0°. n_D^{20} 1.3148.

Smith, B.J.K. *et al, Proc. Chem. Soc. London*, 1961, 138 (*synth, isom*)
Homer, J. *et al, Proc. Chem. Soc. London*, 1961, 139 (*nmr*)
Middleditch, B.S., *Anal. Chem.*, 1969, **41**, 2092 (*ms, use*)
Clark, L.C. *et al, Prog. Clin. Biol. Res.*, 1975, **1**, 589 (*pharmacol*)

6,9,12-Octadecatrienoic acid, 9CI O-00009

$H_3C(CH_2)_4(CH{=}CHCH_2)_3(CH_2)_3COOH$

$C_{18}H_{30}O_2$ M 278.434

(*Z,Z,Z*)-*form* [506-26-3]
γ-Linolenic acid. ***Gamolenic acid, BAN, INN***
Isol. from evening primrose seed oil. A minor component of many animal lipids. Antihypercholesterolaemic drug.
Hexabromide:
$C_{18}H_{30}Br_6O_2$ M 757.858
Mp 196° dec.

Bernhard, K. *et al, Helv. Chim. Acta*, 1948, **31**, 977, 981 (*props*)
Riley, J.P., *J. Chem. Soc.*, 1949, 2728 (*struct*)
Osbond, J.M. *et al, J. Chem. Soc.*, 1961, 2779, 5270 (*synth*)
Fr. Pat., 1 603 386, (*1976*); *CA*, **76**, 84681 (*isol*)
Bus, J. *et al, Chem. Phys. Lipids*, 1976, **17**, 501 (*cmr*)
Lie Ken Jie, M., *Chem. Phys. Lipids*, 1976, **18**, 130 (*cmr*)

9-Octadecenoic acid O-00010

[2027-47-6]

$H_3C(CH_2)_7CH{=}CH(CH_2)_7COOH$

$C_{18}H_{34}O_2$ M 282.465

(*E*)-*form* [112-79-8]
Elaidic acid
Cryst. (EtOH). Mp 44-45°, 45-45.5°. Bp_{15} 234°, $Bp_{0.8}$ 180-185°.
▷JX6125000.
Me ester: [1937-62-8].
$C_{19}H_{36}O_2$ M 296.492
Bp_{15} 213-215°.
Et ester:
$C_{20}H_{38}O_2$ M 310.519
Bp_{15} 217-219°.
Chloride:
$C_{18}H_{33}ClO$ M 300.911
Bp_{11} 200°.
Amide:
$C_{18}H_{35}NO$ M 281.481
Mp 93-94°.
Anhydride:
$C_{36}H_{66}O_3$ M 546.916
Mp 51°.
Nitrile:
$C_{18}H_{33}N$ M 263.465
Fp −1°. Bp_{16} 213°.

(*Z*)-*form* [112-80-1]
Oleic acid
Mp 12° (labile form), Mp 16° (stable form). Bp_{100} 285.5-286°, Bp_5 203-205°. ^{125}I and ^{131}I labelled cpds. are used as radioactive agents (Oleotope).
▷RG2275000.
Me ester: [112-62-9]. Bp_{15} 212-213°.
▷An exp. carcinogen. RK0895000.
Et ester: [111-62-6]. Bp_{151} 216-217°.
Vinyl ester: Bp_2 173°.
Chloride: Bp_{11} 200°.
Anhydride: [24909-72-6]. Mp 22-24°.
Amide: Mp 75-76°.
Nitrile: Bp 330-335° dec.

Gensler, W.J. *et al, J. Am. Chem. Soc.*, 1951, **73**, 1071 (*synth*)
Org. synth., 1957, **37**, 66 (*synth*)
Bonfand, A. *et al, C. R. Hebd. Seances Acad. Sci., Ser. C*, 1975, **281**, 723 (*synth*)
Bailey, A.W., *J. Am. Oil Chem. Soc.*, 1976, **53**, 89 (*cryst struct*)
Ackman, R.G. *et al, J. Chromatogr. Sci.*, 1978, **16**, 204 (*glc*)
Miller, R.A. *et al, J. Liq. Chromatogr.*, 1978, **1**, 291 (*hplc*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 738.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 827, 878.

9-Octadecenylamine, 8CI O-00011

9-Octadecen-1-amine, 9CI. 1-Amino-9-octadecene

[1838-19-3]

$H_3C(CH_2)_7CH{=}CH(CH_2)_7CH_2NH_2$

$C_{18}H_{37}N$ M 267.497

B,HF: [36505-83-6]. ***Dectaflur, INN.*** *SKF 38094.* Dental caries prophylactic.

(E)-form

Elaidylamine

Cryst. Mp 39°. Bp_2 149°.

Picrate: Mp 89.5°.

(Z)-form [112-90-3]

Oleylamine

Oil. Mp 25° (21°). Bp_2 147°.

▷RG4130000.

Picrate: Mp 76.4°.

Ucciani, E. *et al*, *Chem. Phys. Lipids*, 1968, **2**, 240, 256 (*synth, pmr*)

Octadecylamine O-00012

1-Octadecanamine, 9CI. 1-Aminooctadecane. Stearylamine

[124-30-1]

$H_3C(CH_2)_{16}CH_2NH_2$

$C_{18}H_{39}N$ M 269.513

Cryst. Mp 49-52° (46°). Bp_5 183.0-183.1°.

▷RG4150000.

B,HCl: [1838-08-0]. Cryst. Mp 160-161°.

▷RG4375000.

N-*Ac:*

$C_{20}H_{41}NO$ M 311.550

Cryst. ($EtOH/Et_2O$). Mp 84-85°.

N-*Di-Me:* [124-28-7]. N,N-*Dimethyl-1-octadecanamine, 9CI.* ***Dimantine, INN.*** *Dymanthine.*

$C_{20}H_{43}N$ M 297.566

Anthelmintic agent. Fp 22.9°.

▷RG4200000.

N-*Di-Me; B,HCl:* [1613-17-8]. *Dymanthine hydrochloride, USAN. Doda. GS 1339. NSC 5547. Thelmesan.*

▷RG4210000.

Ralston, A.W., *Oil Soap*, 1940, **17**, 89; *CA*, **34**, 3674 (*synth*)
Reck, R.A. *et al*, *J. Org. Chem.*, 1947, **12**, 517 (*deriv*)
Clemo, G.R. *et al*, *J. Chem. Soc.*, 1952, 4684 (*synth*)
Murr, B.L. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 1684 (*synth*)
Gohlke, R.S. *et al*, *Anal. Chem.*, 1962, **34**, 1281 (*ms*)
Cavier, R. *et al*, *Therapie*, 1964, **19**, 265, 947 (*activity, deriv*)
Goto, R. *et al*, *Nippon Kagaku Zasshi*, 1966, **87**, 1220; *CA*, **66**, 75599 (*synth*)
Kreuger, P.J. *et al*, *Can. J. Chem.*, 1967, **45**, 1605 (*ir*)
Douvres, F.W. *et al*, *Vet. Parasitol.*, 1980, **7**, 195 (*activity*)
Narayanan, C.R. *et al*, *Indian J. Chem., Sect. B*, 1980, **19**, 209 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 776.

Octamylamine, INN O-00013

*6-Methyl-*N*-(3-methylbutyl)-2-heptanamine, 9CI.* N-*Isopentyl-1,5-dimethylhexylamine. 2-Isoamylamino-6-methylheptane. Neo-Octon. Octinum* D. *Octisamyl. Octometine. Ludoctal*

[502-59-0]

$(H_3C)_2CHCH_2CH_2NHCH(CH_3)(CH_2)_3CH(CH_3)_2$

$C_{13}H_{29}N$ M 199.379

(±)-form

Spasmolytic, anticholinergic agent. Oily liq. Bp_7 100-101°.

B,HCl: Waxy leaflets. Mp 121°.

Belg. Pat., 448 687, (*1943*); *CA*, **41**, 6371 (*synth, pharmacol*)
Savini, E., *Arch. Int. Pharmacodyn.*, 1950, **82**, 127 (*pharmacol*)
Donike, M. *et al*, *Fresenius' Z. Anal. Chem.*, 1976, **279**, 129 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5238.

Octanoic acid, 9CI O-00014

n-*Caprylic acid*

[124-07-2]

$H_3C(CH_2)_6COOH$

$C_8H_{16}O_2$ M 144.213

Used in perfume and dye manuf. Simple esters have flavour use. Antifungal agent. Liq. or cryst. Spar. sol. hot H_2O. Mp 16°. Bp 239.7°, Bp_{10} 124°.

▷Irritant vapour. RH0175000.

Cu salt: Mp 264-266°.

Me ester: [111-11-5].

$C_9H_{18}O_2$ M 158.240

Bp 193-194°, Bp_{15} 83°.

4-Bromophenacyl ester:

$C_{16}H_{21}BrO_3$ M 341.244

Mp 67.4°.

Chloride: [111-64-8].

$C_8H_{15}ClO$ M 162.659

Bp 195-196°, Bp_{15} 83°.

Anhydride: [623-66-5].

$C_{16}H_{30}O_3$ M 270.411

Mp −1°. Bp 280-285°, Bp_{15} 186°.

Amide: [629-01-6].

$C_8H_{17}NO$ M 143.228

Mp 110°.

Nitrile: [124-12-9]. *Octanenitrile, 9CI. Caprylonitrile. 1-Cyanoheptane. Heptyl cyanide.*

$C_8H_{15}N$ M 125.213

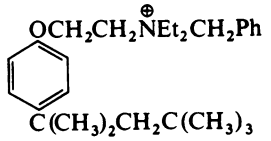
Bp 198-200°. n_D^{20} 1.4200.

▷RG9700300.

Langenbeck, W. *et al*, *Chem. Ber.*, 1956, **89**, 202 (*synth*)
Markley, K.S., *Fatty Acids*, Part 1, 1960, Interscience, N.Y., 2nd Ed. (*rev*)
Tripett, S. *et al*, *J. Chem. Soc.*, 1960, 2976 (*deriv*)
Nakagawa, K. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 296 (*deriv*)
U.S.P., 3 770 782, (*1973*); *CA*, **80**, 14572 (*synth*)
Cahiez, G. *et al*, *J. Organomet. Chem.*, 1975, **94**, 463 (*synth*)
Baer, T.A. *et al*, *Tetrahedron Lett.*, 1976, 4697 (*synth*)
Dinizo, S.E. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 182 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2597.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2084.

Octaphonium(1+) O-00015

Benzyldiethyl-2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-ethylammonium. Octafonium. Phenoctidium



$C_{27}H_{42}NO^{\oplus}$ M 396.635 (ion)

Antiseptic.

Chloride: [78-05-7]. *Octaphonium chloride, BAN. Octafonium chloride, INN. Octasept. Octasetten. Phenoctide. Tazoline. Octaphen.*

$C_{27}H_{42}ClNO$ M 432.088

Cryst. (EtOAc). Mp 112-114° (95°).

B.P., 703 477, (*1955*); *CA*, **49**, 5525e (*synth*)

Bavin, E.M. *et al*, *J. Pharm. Pharmacol.*, 1955, **7**, 676 (*pharmacol*)

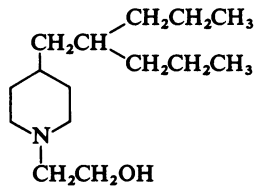
Erekaev, V.P., *CA*, 1960, **54**, 12484i (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2263.

Octapinol, INN O-00016

4-(2-Propylpentyl)-1-piperidineethanol, 9CI. 1-(2-Hydroxyethyl)-4-(2-propylpentyl)piperidine

[71138-71-1]



$C_{15}H_{31}NO$ M 241.416

Inhibits dental caries; antiplaque agent.

B,HCl: Mp 146-147°.

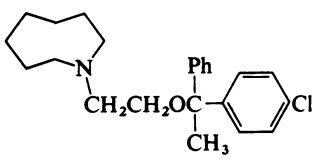
U.S.P., 4 235 875, (*1980*); *CA*, **94**, 127161z (*synth, pharmacol*)

Attstroem, R. *et al*, *J. Periodontal Res.*, 1983, **18**, 429, 438, 445 (*pharmacol*)

Octastine, INN O-00017

1-[2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl]-octahydroazocine, 9CI. 1-[2-[(p-Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]octahydroazocine

[59767-12-3]



$C_{23}H_{30}ClNO$ M 371.949

(±)-*form*

Antihistaminic agent. $Bp_{0.005}$ 158-162°. n_D^{20} 1.5574.

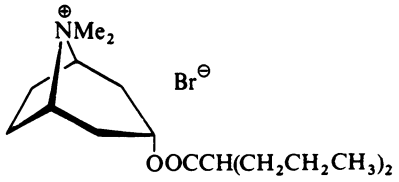
Fumarate: Cryst. (EtOH). Mp 144-145°.

Ger. Pat., 2 528 194, (*1976*); *CA*, **85**, 46439h (*synth, pharmacol*)

Octatropine methylbromide, BAN, INN O-00018

*8,8-Dimethyl-3-[(1-oxo-2-propylpentyl)oxy]-8-azoniabicyclo[3.2.1]octane bromide, 9CI. **Anisotropine methylbromide**, USAN, **JAN**. Endovalpin. Lytispasm. Valpin. Vapin*

[80-50-2]



$C_{17}H_{32}BrNO_2$ M 362.349

Anticholinergic, spasmolytic agent. Cryst. (Me_2CO). Mp 329°.

▷YM3710000.

U.S.P., 2 962 499, (*1960*); *CA*, **55**, 10491 (*synth, pharmacol*)

Anon, *J. Pharm. Sci.*, 1964, **53**, 205 (*ir, anal*)

De Liperi, E. *et al*, *Clin. Ter.*, 1965, **35**, 419 (*pharmacol*)

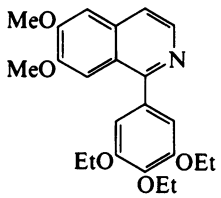
Shindo, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 513 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 393.

Octaverine, BAN, INN O-00019

6,7-Dimethoxy-1-(3,4,5-triethoxyphenyl)isoquinoline, 9CI, 8CI

[549-68-8]



$C_{23}H_{27}NO_5$ M 397.470

Spasmolytic agent.

B,HCl: [6775-26-4]. *Gastrolena.* Cryst. Mp 199-200°.

Fr. Pat., 760 825, (*1934*); *CA*, **28**, 4178 (*synth*)

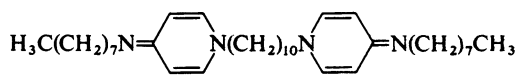
Goldberg, A.A. *et al*, *J. Pharm. Pharmacol.*, 1954, **6**, 171, 236 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13037.

Octenidine, INN, BAN O-00020

N,N′-(1,10-Decanediyldi-1(4H)-pyridinyl-4-ylidene)-bis-1-octanamine, 9CI. 1,1′-Decamethylenebis[1,4-dihydro-4-(octylimino)pyridine]

[71251-02-0]



$C_{36}H_{62}N_4$ M 550.913

Topical antiinfective. Dental plaque inhibitor.

B,2HCl: [70775-75-6]. *Octenidine hydrochloride, USAN. Win 41464-2.* Mp 215-217°.

Cpd. with saccharin (1:2): [86767-75-1]. *Octenidine saccharin, USAN.* Dental plaque inhibitor. Mp 82-85°.

U.S.P., 4 206 215, (*1980*); *CA*, **93**, 239243p (*synth*)

Slee, A.M. *et al*, *Antimicrob. Agents Chemother.*, 1983, **23**, 531 (*pharmacol*)

Bailey, D.M. *et al*, *J. Med. Chem.*, 1984, **27**, 1457 (*synth, pharmacol*)

Eur. Pat., 144 960, (*1985*); *CA*, **103**, 92663 (*synth, saccharin cpd*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19599.

Octibenzonium(1+) O-00021

N-[*2*-[(*Hydroxydiphenylacetyl*)*oxy*]*ethyl*]-N,N-*dimethyl-1-octanaminium*, *9CI.* [*2*-(*Benziloyl*)*ethyl*]-*dimethyloctylammonium*

$Ph_2C(OH)COOCH_2CH_2N^{\oplus}(Me)_2(CH_2)_7CH_3$

$C_{26}H_{38}NO_3^{\oplus}$ M 412.591 (ion)
Antispasmodic.

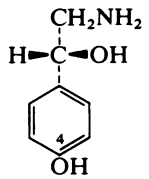
Bromide: [2019-14-9]. *Octibenzonium bromide. Cholipin. Lonarid. AD 205.*
$C_{26}H_{38}BrNO_3$ M 492.495
Cryst. (Me_2CO). Mp 115°.

Chloride:
$C_{26}H_{38}ClNO_3$ M 448.044
Mp 133°.

B.P., 800 667, (*1958*); *CA*, **53**, 16158 (*synth, pharmacol*)
Sigg, E.B., *Toxicol. Appl. Pharmacol.*, 1963, **5**, 225 (*pharmacol*)

Octopamine, INN O-00022

α-(*Aminomethyl*)-*4-hydroxybenzenemethanol*, *9CI.* α-(*Aminomethyl*)-p-*hydroxybenzyl alcohol*, *8CI. 2-Amino-1-(4-hydroxyphenyl)ethanol.* p-(β-*Amino-α-hydroxyethyl*)*phenol. Norsympathol. Norsynephrine. Noroxedrine. Other proprietary names*
[104-14-3]



(*R*)-*form*

$C_8H_{11}NO_2$ M 153.180
▷DN7350000.

(*R*)-*form* [876-04-0]
Alkaloid from *Capsicum frutescens*, *Citrus* spp., *Cyperus rotundus* and *C. papyrus*. Occurs in many animal tissues; found in high concs. in the posterior salivary gland of *Octopus vulgaris*, (Solanaceae, Rutaceae, Cyperaceae). Invertebrate neurotransmitter. In vertebrates, prob. a cotransmitter with noradrenaline. Adrenergic. Cryst. (H_2O). Mp ca. 160°. $[\alpha]_D^{25}$ −37.4° (c, 1 in H_2O), −56.0° (c, 1 in 1M HCl).

N-*Me: see Synephrine, S-00286*
O^4-*Me:* [55275-61-1]. ***4-Methoxy-β-hydroxyphenethylamine***. α-(*Aminomethyl*)-*4-methoxybenzenemethanol*, *9CI. Alkaloid NP.*
$C_9H_{13}NO_2$ M 167.207
Minor alkaloid from *Coryphantha cornifera*, also detected in *Pereskia grandiflora* and *P. chapistle* (Cactaceae). Shows weak vasoconstrictor and cardiac depressant props. Tentative identification, not obt. cryst. Opt. rotn. and abs. config. not detd.

(*S*)-*form* [826-01-7]
Synthetic. Less potent than (*R*)-form. Mp ca. 160°. $[\alpha]_D^{25}$ +37.2° (c, 1 in H_2O), $[\alpha]_D^{25}$ +56.1° (c, 1 in 0.1N HCl).

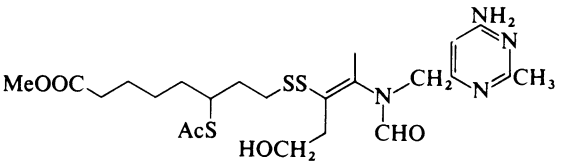
(±)-*form* [1915-83-9]
Mp 156-158°.
B,HCl: [770-05-8]. Cryst. Mp 177-179° dec.

N-*Me: see Synephrine, S-00286*
4-Me ether: [55275-61-1]. Mp 70°.
Di-Me ether:
$C_{10}H_{15}NO_2$ M 181.234
Bp_{20} 158-160°.
O^4,N-*Di-Me:*
$C_{10}H_{15}NO_2$ M 181.234
Mp 106.5-107.5°.
Di-Me ether, N-*Me:*
$C_{11}H_{17}NO_2$ M 195.261
Bp_5 129-130°.

Bretschneider, H., *Monatsh. Chem.*, 1949, **80**, 530 (*resoln*)
Ascher, M., *Recl. Trav. Chim. Pays-Bas*, 1953, **84**, 1021 (*synth*)
Corrigan, J.R. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 6258 (*synth*)
Kappe, T. *et al*, *J. Med. Chem.*, 1964, **7**, 569 (*resoln*)
Hardwick, B.C. *et al*, *Plant Physiol.*, 1969, **44**, 1745 (*ir, uv*)
Kelley-Hornemann, K.M. *et al*, *J. Pharm. Sci.*, 1972, **61**, 41 (*deriv*)
Hengstmann, J.H. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1974, **283**, 93 (*metab*)
Axelrod, J. *et al*, *Nature (London)*, 1977, **265**, 501 (*rev*)
Paxton, K. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 2143 (*cryst struct*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur*)
Doetsch, P.W. *et al*, *J. Chromatogr.*, 1980, **189**, 79 (*occur, deriv*)
Redouane, K. *et al*, *Agressologie*, 1984, **25**, 3 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2090.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 945.

Octotiamine, INN O-00023

Methyl 6-(acetylthio)-8-[[*2*-[[(*4-amino-2-methyl-5-pyridinyl*)*methyl*]*formylamino*]-*1-(2-hydroxyethyl)-1-propenyl*]*dithio*]*octanoic acid*, *9CI. Methyl 8-*[[*2*-[N-[(*4-amino-2-methyl-5-pyrimidinyl*)*methyl*]-*formamido*]-*1-(2-hydroxyethyl)propenyl*]-*dithio*]-*6-mercaptooctanoate* S-*acetate*, *8CI. Gerostop. Neuvitan. TATD. Thioctothiamine*
[137-86-0]



$C_{23}H_{36}H_4O_5S_3$ M 492.746
Long-acting oral thiamine analogue (vitamin B_1 source). Solid with sl. bitter taste. Mp 106-109°. Used mainly as hydrochloride.
▷RH0353000.

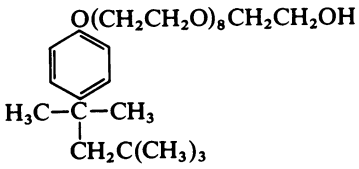
B,HCl: [4270-10-4]. Cryst. ($EtOH/Et_2O$). Mp 134-135°.

Kawasaki, C. *et al*, *Bitamin*, 1962, **26**, 377 (*pharmacol*)
Fr. Pat., M1620, (*1963*); *CA*, **59**, 1653g (*synth*)
Nose, Y. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 439 (*metab*)
Asahi, Y., *Ann. Rep. Takeda Res. Lab.*, 1968, **27**, 58 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7839.

Octoxynol 9, USAN **O-00024**

26-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol, 9CI. ***Octoxinol 9, INN.*** *Igepal CA 630. Slovafol*

[2315-65-3]



$C_{32}H_{58}O_{10}$ M 602.804

Spermicide. Surfactant. Highly stable.

U.S.P., 2 313 477, (*1940*)

Enyeart, C.R., *Nonionic Surfactants*, Dekker, N.Y. 1967, 44 (*rev*)

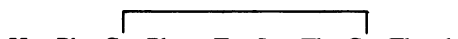
Calandra, J.C., *Toxicol. Appl. Pharmacol.*, 1969, **14**, 315 (*tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 456.

Octreotide, BAN, USAN, INN **O-00025**

Sandostatin. SMS 201-995

[83150-76-9]



H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-ol

$C_{49}H_{66}N_{10}O_{10}S_2$ M 1019.241

Somatostatin analogue. Growth hormone secretion inhibitor. Opiate antagonist used in treatment of GI tract tumours. $[\alpha]_D^{20}$ −42° (c, 0.5 in AcOH). Opt. isomers also known.

Bauer, W. *et al*, *Life Sci.*, 1982, **31**, 1133 (*props*)

U.S.P., 4 395 403, (*1983*); *CA*, **100**, 43016 (*synth*)

Wynants, C. *et al*, *Int. J. Pept. Protein Res.*, 1985, **25**, 608, 615 (*pmr, conformn*)

Pless, J. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1986, **683**, 319 (*pharmacol*)

Longnecker, J.P., *Drug Intell. Clin. Pharm.*, 1988, **22**, 99 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16932.

Octriptyline, INN **O-00026**

3-(1a,10b-Dihydrodibenzo[a,e]cyclopropa[c]-cyclohepten-6(1H)-ylidene)-N-methyl-1-propanamine, 9CI

[47166-67-6]



$C_{20}H_{21}N$ M 275.393

Antidepressant.

B,H$_3$PO$_4$: [51481-67-5]. *Octriptyline phosphate, USAN. SC 27123.*

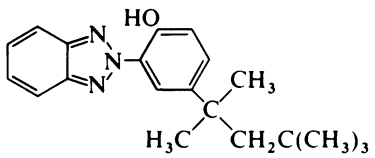
Oxalate: [34252-65-8]. Mp 203-205°.

Coyne, W.E. *et al*, *J. Med. Chem.*, 1974, **17**, 72 (*synth, pharmacol*)

Octrizole, USAN, INN **O-00027**

2-(2H-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)-phenol, 9CI, 8CI. Cyasorb 5411. Spectra-Sorb UV 5411

[3147-75-9]



$C_{20}H_{25}N_3O$ M 323.437

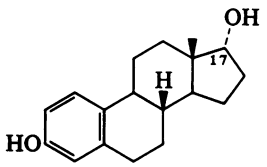
UV screen, light stabiliser for polymers. Needles (EtOH aq.). Mp 104-105°.

U.S.P., 3 230 194, (*1966*); *CA*, **64**, 11402 (*synth, use*)

Rosevear, J. *et al*, *Aust. J. Chem.*, 1985, **38**, 1163 (*synth*)

Oestradiol **O-00028**

Estradiol. 1,3,5(10)-Oestratrien-3,17-diol



17α-*form*

$C_{18}H_{24}O_2$ M 272.386

Estradiol is the accepted U.S. spelling.

17α-form [57-91-0]

β-Oestradiol (obsol., misleading)

Isol. from pregnancy urine. Needles (EtOH aq.). Mp 223°. $[\alpha]_D^{18}$ +56.7° (EtOH). Less potent than the 17β-isomer.

▷Exp. carcinogen and teratogen. KG3750000.

3,17-Di-Ac: [1474-52-8].

$C_{22}H_{28}O_4$ M 356.461

Needles (EtOH aq.). Mp 139-140°.

17-O-β-D-Glucopyranoside:

$C_{24}H_{34}O_7$ M 434.528

Constit. of rabbit urine. Cryst. (EtOH aq.). Mp 149-153°. $[\alpha]_D^{25}$ −2.7° (MeOH).

17β-form [50-28-2]

α-Oestradiol (obsol, misleading). Almediol. Numerous proprietary names

Isol. from ovaries and pregnancy urine. The most potent of the natural oestrogens. Leaflets or needles (EtOH aq.). Mp 178°. $[\alpha]_D^{18}$ +78° (EtOH).

▷KG2975000.

Di-Ac: [3434-88-6]. Leaflets (MeOH aq.). Mp 97-98°.

3-Benzoyl: [50-50-0]. ***Oestradiol benzoate, BAN.*** *Estradiol benzoate, INN. Benovocyclin. Benzofoline. Numerous proprietary names.*

$C_{25}H_{28}O_3$ M 376.494

Oestrogen. Cryst. (MeOH aq.). Mp 193°. $[\alpha]_D^{25}$ +58° to +63° (c, 2 in dioxan). Component of Mixogen and Synovex.

▷KG4050000.

17-(3-Carboxylpropyl): [7698-93-3]. ***Estradiol hemisuccinate.*** *Eutocol.*

$C_{22}H_{28}O_5$ M 372.460

Oestrogen. Dimorphic shiny cryst. (C_6H_6). Mp 145-147°, Mp 163°.

3-Benzoyl, 17-[[4-[4-[bis(2-chloroethyl)amino]phenyl]-1-oxobutoxy]acetyl: [75219-46-4]. ***Bestrabucil.*** *KM 2210.*

$C_{41}H_{47}Cl_2NO_6$ M 720.731

Antineoplastic agent.

17-Propanoyl: [3758-34-7]. ***Estradiol monopropionate***. *Acrofollin. Akrofollin. Follhormon.*
$C_{21}H_{28}O_3$ M 328.450
Oestrogen. Mp 199-200°.

3,17-Dipropanoyl: [113-38-2]. ***Estradiol dipropionate***. *Agofollin. Diovocyclin. Numerous proprietary names.*
$C_{24}H_{32}O_4$ M 384.514
Oestrogen. Leaflets (MeOH aq.). Mp 104-105°.
▷KG4725000.

3-Propanoyl, 17-(1-cyclohexenyl) ether: see Orestrate, O-00055

3-Propanoyl, O^{17}-(2-Pyridinecarboxylate): [4140-20-9]. ***Estrapronicate, INN***.
$C_{27}H_{31}NO_4$ M 433.546
Anabolic agent. Oestrogen. Cryst. (EtOH). Mp 122-123°.

17-Cyclohexanecarboxylate: [15140-27-9]. ***Estradiol hexahydrobenzoate***. *Benzo-Ginoestril A.P.. Benzo-Gynoestryl retard. Ginestryl-15-depot. Menodin. Tardoginestryl.*
$C_{25}H_{34}O_3$ M 382.542
Oestrogen. Mp 91-92°. $[\alpha]_D^{20}$ +53° (c, 1 in $CHCl_3$).

17-Cyclopentanepropanoate: [313-06-4]. ***Estradiol cypionate***. *Depofemin. Estradep. Numerous proprietary names.*
$C_{26}H_{36}O_3$ M 396.569
Oestrogen. Cryst. (C_6H_6/pet. ether). Mp 151-152°. $[\alpha]_D^{25}$ +45° ($CHCl_3$). Component of Depo-Testadiol.
▷KG4600000.

17-Butanoylacetyl: [60883-80-9]. *Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), 9CI.* ***Estradiol butyrylacetate***. *Follikoside.*
$C_{24}H_{32}O_4$ M 384.514
Oestrogen.

17-(2,2-Dimethylpropanoyl): [24894-50-6]. ***Estradiol pivalate***. *Estradiol trimethylacetate. Estrotate.*
$C_{23}H_{32}O_3$ M 356.504
Oestrogen. Mp 229-231°.

17-Furoate: ***Estradiol furoate***. *Di-folliculine.*
$C_{23}H_{26}O_4$ M 366.456
Oestrogen.

17-Pentanoyl: [979-32-8]. ***Estradiol valerate, USAN, INN***. *Oestradiol valerate, BAN. Atladiol. Deladiol. Estraval. Progynova. Valergen. Numerous proprietary names.*
$C_{23}H_{32}O_3$ M 356.504
Oestrogen. Mp 144-145°.
▷KG5793000.

17-Heptanoyl: [4956-37-0]. ***Estradiol enanthate, USAN***. *Deladroxate. SQ 16150.*
$C_{25}H_{36}O_3$ M 384.558
Oestrogen. Cryst. (diisopropyl ether). Mp 94-96°.

3,17-Diheptanoyl: [7732-97-0]. ***Estradiol dienanthate***.
$C_{32}H_{48}O_4$ M 496.729
Oestrogen.

17-Hexadecanoyl: [5776-45-4]. ***Estradiol palmitate***. *Esmopal.*
$C_{34}H_{54}O_3$ M 510.799
Oestrogen. Mp 69-71°.

17-Octadecanoyl: [82205-00-3]. ***Estradiol stearate***. *Depofollan.*
$C_{36}H_{58}O_3$ M 538.852
Oestrogen. Mp 78-79°.

17-Undecanoyl: [3571-53-7]. ***Estradiol undecylate***. *Delestrec. Depogin. Primogyn-depot. RS 1047. SQ 9993.*
$C_{29}H_{44}O_3$ M 440.665
Oestrogen.

3,17-Diundecanoyl: [1263-57-6]. ***Estradiol diundecylate***. *Estrolent. Etrosteron. Oestradiol-retard Theramex.*
$C_{40}H_{64}O_4$ M 608.943
Oestrogen.

3,17-Di(10-undecenoyl): [74798-17-7]. ***Estradiol diundecylenate***.
$C_{40}H_{60}O_4$ M 604.912
Oestrogen.

17-(4-Propoxyphenyl)propanoate: [7724-88-1]. ***Estradiol propoxyphenylpropionate***. *Estradiol* p-*propoxyhydrocinnamate. Durovex.*
$C_{30}H_{38}O_4$ M 462.628
Oestrogen. Cryst. (MeOH aq.). Mp 126-128°. $[\alpha]_D$ +48° (c, 1 in dioxan).

3,17-Bis[4-[bis(2-chloroethyl)amino]benzeneacetate]: [22966-79-6]. ***Estradiol mustard***. *Chlorphenacyl estradiol diester. NSC 112259.*
$C_{42}H_{50}Cl_4N_2O_4$ M 788.680
Antineoplastic agent. No phys. props. reported.
▷KG7300000.

1-Bromo: [90697-19-1]. *1-Bromoestradiol.*
$C_{18}H_{23}BrO_2$ M 351.283
Cryst. (MeOH aq.). Mp 242-244°.

17-Me: [302-76-1]. *17-Methylestra-1,3,5(10)-triene-3,17-diol, 9CI. 17-Methylestradiol.*
$C_{19}H_{26}O_2$ M 286.413
Oestrogen. Cryst. (Et_2O). Mp 195-196° (188-190°).

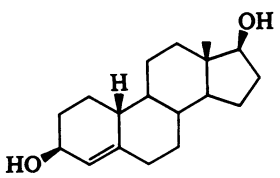
Miescher, K. *et al*, *Helv. Chim. Acta*, 1937, **20**, 263, 1237 (*esters, props*)
Marker, R.E., *J. Am. Chem. Soc.*, 1938, **60**, 2927 (*synth*)
Miescher, K. *et al*, *Biochem. J.*, 1938, **32**, 1273 (*esters, props*)
U.S.P., 2 611 773, (*1952*); *CA*, **47**, 6450 (*cypionate*)
Bocklage, B.C. *et al*, *J. Biol. Chem*, 1953, **202**, 27 (*17-methyl*)
Junkmann, K., *Arch. Exp. Pathol. Pharmakol.*, 1953, **220**, 378 (*esters, pharmacol*)
Diczfalusy, E. *et al*, *Endocrinology*, 1954, **54**, 471 (*polymer*)
Ferno, O. *et al*, *Acta Chem. Scand.*, 1958, **12**, 1675 (*polymer*)
Gautier, B. *et al*, *Ann. Pharm. Fr.*, 1958, **16**, 757 (*enanthate*)
U.S.P., 2 842 567, (*1958*); *CA*, **53**, 456 (*oxohexanoate*)
U.S.P., 2 846 455, (*1958*); *CA*, **53**, 4352 (*hexahydrobenzoate*)
Wolff, M.E. *et al*, *J. Org. Chem.*, 1959, **24**, 1612 (*enanthate*)
Diczfalusy, E. *et al*, *Acta Chem. Scand.*, 1963, **17**, 2536 (*propoxyhydrocinnamate*)
Miki, T. *et al*, *Proc. Chem. Soc., London*, 1963, 139 (*synth*)
Ohrt, J.M. *et al*, *Acta Crystallogr.*, 1964, **17**, 1611 (*cryst struct, derivs*)
Gautier, B. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 101 (*estrapronicate*)
Gibson, H. *et al*, *Tetrahedron Lett.*, 1966, 2321 (*synth*)
Savini, E.C. *et al*, *Therapie*, 1966, **21**, 81 (*estrapronicate*)
Cook, C.E. *et al*, *J. Org. Chem.*, 1968, **33**, 2789 (*17-methyl*)
Tsukuda, Y. *et al*, *J. Chem. Soc.* (*B*), 1968, 1387 (*cryst struct*)
U.S.P., 3 471 479, (*1969*); *CA*, **72**, 3638 (*pivalate*)
Wall, M.E. *et al*, *J. Med. Chem.*, 1969, **12**, 810 (*mustard*)
Williamson, D.G., *Biochemistry*, 1969, **8**, 4299 (*glucoside*)
Yellin, T.O., *J. Lipid Res.*, 1972, **13**, 554 (*succinate*)
Vollmer, E.P. *et al*, *Cancer Chemother. Rep., Part 3*, 1973, **4**, 121 (*rev, mustard*)
Wittstruck, T.A. *et al*, *J. Org. Chem.*, 1973, **38**, 1542 (*cmr*)
Florey, K., *Anal. Profiles Drug Subst.*, 1975, **4**, 192 (*rev, valerate*)
Busetta, B. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 1290 (*cryst struct*)
Eder, U. *et al*, *Chem. Ber.*, 1976, **109**, 2948 (*synth*)
Ger. Pat., 2 932 607, (*1980*); *CA*, **93**, 186671 (*bestrabucil*)
Oriowo, M.A. *et al*, *Contraception*, 1980, **21**, 415 (*cypionate, valerate*)

Quinkert, G. *et al*, *Justus Liebigs Ann. Chem.*, 1981, 2335; 1982, 1999 (*synth*)
Hylarides, M.D. *et al*, *J. Org. Chem.*, 1984, **49**, 2744 (*synth*)
Oketani, Y. *et al*, *Oyo Yakuri*, 1984, **27**, 87, 95, 103,107; **28**, 315 (*Bestrabucil*)
Larner, J.M. *et al*, *Endocrinology*, 1985, **117**, 1209 (*metab*)
Salole, E.G. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 283 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4948, 6979, 7160, 7266.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9083-9089.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1298, 1299, 1300.

4-Oestrene-3,17-diol O-00029

4-Estrene-3,17-diol, *9CI*

[19793-20-5]



$C_{18}H_{28}O_2$ M 276.418

Cryst. (Me_2CO aq. or EtOAc/pet. ether). Mp 169-172°. $[\alpha]_D^{25}$ +28.2° (c, 1.06 in $CHCl_3$).

(3β,17β)-form

Bolandiol, INN

Dipropanoyl: [1986-53-4]. ***Bolandiol dipropionate, USAN.*** *Bolandiol propionate, JAN. Norpropandrolate. Storinal. SC 7525. Anabiol.*

$C_{24}H_{36}O_4$ M 388.546

Anabolic steroid, contraceptive.

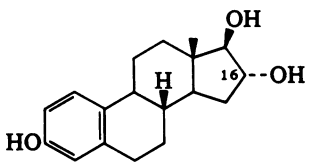
▷KG7885000.

Hartman, J.A., *J. Am. Chem. Soc.*, 1955, **77**, 5151 (*synth*)
Metcalf, W. *et al*, *Proc. Soc. Expt. Biol. Med.*, 1961, **107**, 744 (*pharmacol*)

Oestriol O-00030

1,3,5(10)-Oestratrien-3,16α,17β-triol. Theelol. Follicullin. Estriol. Numerous proprietary names

[50-27-1]



$C_{18}H_{24}O_3$ M 288.386

Estriol is the accepted U.S. spelling. Isol. from pregnancy urine. Oestrogen. Cryst. (EtOH/EtOAc). Mp 283°. $[\alpha]_D$ +34.4° (Py).

▷Exp. carcinogen. KG8225000.

Tri-Ac: [2284-32-4].

$C_{24}H_{30}O_6$ M 414.497

Ten times as physiologically active as Oestriol. Mp 127°.

16-Epimer: [547-81-9]. *1,3,5(10)-Oestratrien-3,16β,17β-triol. 16β-Oestriol.* ***Epioestriol, BAN.*** *Epiestriol, INN. Actriol. Arcagynil. Klimadoral.*

$C_{18}H_{24}O_3$ M 288.386

Found in human urine. Oestrogen for treatment of acne. Cryst. (MeOH aq.). Mp 289-291°. $[\alpha]_D^{22}$ +81° (c, 0.62 in dioxan).

3-Cyclopentyl ether: [1169-79-5]. ***Quinestradol, BAN, INN.*** *Quinestradiol. Colpovis. Colpovister. Pentovis.*

$C_{23}H_{32}O_3$ M 356.504

Oestrogen. Cryst. (Et_2O/hexane). Mp 161-162°. $[\alpha]_D$ +47° (dioxan).

▷KG7395000.

16,17-Bis(3-carboxypropanoyl): [514-68-1]. ***Oestriol succinate, BAN.*** *Estriol succinate, INN. Other proprietary names.*

$C_{26}H_{32}O_9$ M 488.533

Oestrogen. Used in treatment of thrombocytopenic haemorrhage. Cryst. (MeOH aq.). Also used as Na salt (Oestriol sodium succinate, BAN).

16,17-Di-Ac, 3-Benzoyl: [2508-47-6]. ***Oestriol diacetate benzoate.*** *Estriol acetate benzoate, JAN. Holin-Depot.*

$C_{29}H_{32}O_6$ M 476.568

Oestrogen. Mp 180-182°. Bp, −2° (c, 0.92 in dioxan).

Tripropanoyl: [2236-31-9]. ***Estriol tripropionate.*** *Estriel.*

$C_{27}H_{36}O_6$ M 456.578

Oestrogen. Mp 100-101°. $[\alpha]_D^{20}$ −9° (c, 1.02 in dioxan).

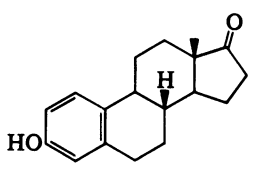
16-(β-D-Glucopyranosiduronic acid): [28808-07-3]. Constit. of human pregnancy urine. Cryst. Mp 226° dec. $[\alpha]_D^{24}$ +1.5° (c, 2 in EtOH).

U.S.P., 2 184 755, (*1940*); *CA*, **34**, 3026 (*synth*)
Huffman, M.N. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1835; 1949, **71**, 719 (*struct, synth*)
Nolin, B. *et al*, *Can. J. Chem.*, 1952, **30**, 727 (*synth*)
Leeds, N.S. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 2943.
Huffman, M.N. *et al*, *J. Biol. Chem.*, 1955, **215**, 627 (*synth, epimer*)
Watson, E.J.D. *et al*, *Biochem. J.*, 1956, **63**, 64 (*isol, epimer*)
Biggerstaff, W.R. *et al*, *J. Org. Chem.*, 1957, **22**, 1220 (*synth, epimer*)
B.P., 879 014, (*1960*); *CA*, **56**, 7399 (*succinate*)
Ericoli, A. *et al*, *Chem. Ind. (London)*, 1961, 1037 (*Quinestradol*)
B.P., 909 662, (*1963*); *CA*, **58**, 12632 (*synth*)
Tsuneda, K. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 510 (*esters*)
Biochem. Prep., 1968, **12**, 81 (*isol*)
Hauptman, H. *et al*, *Acta Crystallogr., Sect. B*, 1969, **25**, 811, 814 (*cryst struct*)
Wortmann, W. *et al*, *Steroids*, 1972, **20**, 321 (*biosynth*)
Kopera, H., *Cancer Res. Ther.*, 1983, **25**, 175 (*rev, props*)
Numazawa, M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1983, 121 (*synth*)
Diczfalusy, E., *J. Steroid Biochem.*, 1984, **20**, 945 (*rev, history*)
Stevenson, D.E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1985, 1078 (*biosynth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4949, 7431 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9090, 9100.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 645.

Oestrone, BAN O-00031

3-Hydroxy-1,3,5(10)-oestratrien-17-one. ***Estrone, INN.*** *Follicular hormone. Menformon. Oestrin. Oxohydroxyoestrin. Progynon. Theelin. Numerous proprietary names*

[53-16-7]



$C_{18}H_{22}O_2$ M 270.371

Obt. from human pregnancy urine and from pregnant mares' urine. Oestrogen; the oestrus-producing hormone in mammals. Cryst. (EtOH) (trimorphic). Mp 254°, 256°, 259°. $[\alpha]_D$ +165° ($CHCl_3$).

▷Exp. carcinogen and teratogen. KG8575000.

Ac: [901-93-9]. ***Estrone acetate***. *Hovigal.*
$C_{20}H_{24}O_3$ M 312.408
Oestrogen. Cryst. (EtOH aq.). Mp 125-127°. $[\alpha]_D$ +128° ($CHCl_3$). Resolidifies and dec. at 245°.

Benzoyl:
$C_{25}H_{26}O_3$ M 374.479
Needles (MeOH). Mp 217.5°.

Me ether:
$C_{19}H_{24}O_3$ M 300.397
Mp 167.5-169.5°. $[\alpha]_D$ +171° ($CHCl_3$).

Oxime:
$C_{18}H_{23}NO$ M 269.386
Mp 231-233° dec., Mp 248-250° dec. Two forms known.

2,4-Dinitrophenylhydrazone: Mp 278-280° dec.

8-Epimer: [517-06-6]. ***Isoestrone***. *Isooestrone.*
$C_{18}H_{22}O_2$ M 270.371
Cryst. (MeOH). Mp 247°. $[\alpha]_D^{20}$ +94° (dioxan).

O-*Cyano:* [23623-36-1]. ***Estrone cyanate***.
$C_{19}H_{21}NO_2$ M 295.380
Oestrogen. Mp 168.5-170°. $[\alpha]_D$ +140° (c, 1 in $CHCl_3$).

7α-Me: [10448-96-1]. *7α-Methylestrone*. ***Almestrone, INN***. *Ba 38372. Ciba 38372.*
$C_{19}H_{24}O_2$ M 284.397
Oestrogen. Mp 235-238°. $[\alpha]_D^{20}$ +149° (c, 1.18 in $CHCl_3$).

3-Sulfo: [481-97-0].
$C_{18}H_{22}O_5S$ M 350.429
Oestrogen.

3-Sulfo, Na salt: [438-67-5]. ***Sodium estrone sulfate***. *Other proprietary names.* $[\alpha]_D$ +94° (c, 1 in H_2O).
▷KG8775000.

3-Sulfo, piperazine salt: [7280-37-7]. *Piperazine estrone sulfate.* ***Estropipate, USAN***. *Other proprietary names.* Mp 190°. $[\alpha]_D^{25}$ +87.8° (c, 1 in 0.4% NaOH). Resolidifies and dec. at 245°.

(*2,3,4,6-Tetra*-O-*acetyl-β-D-glucopyranosyl*): [27610-08-8]. ***Estrone tetraacetylglucoside***. *Glucovex. Glycovex.*
$C_{32}H_{40}O_{11}$ M 600.661
Depot-oestrogen. Needles ($EtOH/CH_2Cl_2$). Mp 214-217°. $[\alpha]_D^{25}$ +65° (c, 1.02 in $CHCl_3$).

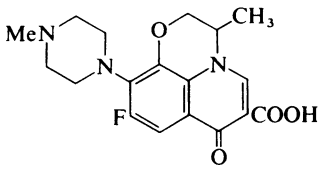
(±)-*form* [19973-76-3]
Oestrone-b
Cryst. Mp 253-255°. All other stereoisomeric (±)-forms have been obt. by total synth.

Kuo, C.H. *et al, Chem. Ind. (London)*, 1966, 1340 (*synth*)
Anner, G. *et al, Helv. Chim. Acta*, 1967, **50**, 281, 289 (*Almestrone*)
Hoffsommer, R.D. *et al, J. Org. Chem.*, 1967, **32**, 3074 (*Isoestrone*)
Fex, H. *et al, Acta Chem. Scand.*, 1968, **22**, 254 (*sulfate*)
Hiraga, K. *et al, J. Chem. Soc., Chem. Commun.*, 1969, 1013 (*synth*)
Onken, D. *et al, Z. Chem.*, 1969, **9**, 228 (*cyanate*)
Birch, A.J. *et al, Aust. J. Chem.*, 1970, **23**, 547 (*synth*)
Crispin, D.J. *et al, J. Chem. Soc. (C)*, 1970, 10 (*synth*)
Conrow, R.B. *et al, J. Org. Chem.*, 1971, **36**, 863 (*Glucovex*)
Busetta, B. *et al, C. R. Hebd. Seances Acad. Sci., Ser. C*, 1972, **274**, 153 (*cryst struct*)
Carol, W. *et al, Endokrinologie*, 1972, **59**, 282 (*cyanate*)
Wittstruck, T.A. *et al, J. Org. Chem.*, 1973, **38**, 1542 (*cmr*)
Paquet, A. *et al, Can. J. Chem.*, 1974, **51**, 3855 (*Glucovex*)
Cohen, N. *et al, J. Org. Chem.*, 1975, **40**, 681 (*synth*)
Chang, Z.L., *Anal. Profiles Drug Subst.*, 1976, **5**, 375 (*Estropipate*)
Danishefsky, S. *et al, J. Am. Chem. Soc.*, 1976, **98**, 4975 (*synth*)
Kametani, T. *et al, J. Am. Chem. Soc.*, 1976, **98**, 3378 (*synth*)
Kametani, T. *et al, J. Am. Chem. Soc.*, 1977, **99**, 3461 (*synth*)
Grieco, P.A. *et al, J. Org. Chem.*, 1980, **45**, 2247 (*synth*)
Nicolaou, K.C. *et al, J. Org. Chem.*, 1980, **45**, 1403 (*synth*)
Posner, G.H. *et al, Tetrahedron*, 1981, **37**, 3921 (*synth*)
Quinkert, G. *et al, Justus Liebigs Ann. Chem.*, 1981, 2335 (*synth*)
Ziegler, F.E. *et al, Tetrahedron Lett.*, 1981, 1179 (*synth*)
Both, D., *Anal. Profiles Drug Subst.*, 1983, **12**, 135 (*rev*)
Hutchinson, J.M. *et al, Tetrahedron Lett.*, 1985, **26**, 1819 (*synth*)
Hutchinson, J.H. *et al, Can. J. Chem.*, 1987, **65**, 1 (*synth*)
Taber, D.F. *et al, J. Org. Chem.*, 1987, **52**, 28 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4875, 4883.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9042, 9092.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 645.

Ofloxacin, INN, BAN, USAN O-00032

*9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7*H*-pyrido[1,2,3-de]-1,4-benzoxazine-6-carboxylic acid, 9CI. Mefoxacin. Oxaldin. Ru 43280. DL-8280*

[83380-47-6]



$C_{18}H_{20}FN_3O_4$ M 361.372

(−)-*form* [100986-85-4]
Pharmacol active isomer. Mp 225-227° dec. $[\alpha]_D^{23}$ −76.9° (c, 0.385 in 1*M* NaOH).

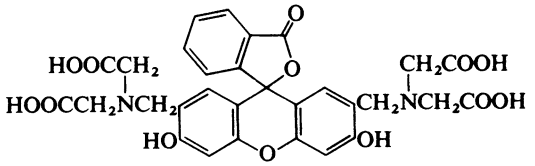
(±)-*form*
Bactericide. Shows broad spectrum of activity against gram-positive and -negative bacteria. Cryst. ($EtOH/CHCl_3$). Mp 262-264°.

Eur. Pat., 47 005, (*1982*); *CA*, **97**, 55821b (*synth, pharmacol*)
Sato, K. *et al, Antimicrob. Agents Chemother.*, 1982, **22**, 548 (*pharmacol*)
Egawa, H. *et al, Chem. Pharm. Bull.*, 1986, **34**, 4098 (*synth*)
Hayakawa, I. *et al, Antimicrob. Agents Chemother.*, 1986, **29**, 163 (*resoln, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16935.

Oftasceine, INN O-00033

N,N′-[*(3,6-Dihydroxy-3-oxospiro[isobenzofuran-1*(3H),*9′-*[9H]*xanthene]-2′,7′-diyl)bis(methylene)*]-*bis*[N-(*carboxymethyl*)*glycine*, 9CI. *2′,7′-Bis*[[*bis*(*carboxymethyl*)*amino*]*methyl*]*fluorescein*, 8CI. *Fluorexon. Calcein*

[1461-15-0]



$C_{30}H_{26}N_2O_{13}$ M 622.541
Diagnostic aid (calcium determination). Chelating agent (used as an indicator in metal detection).

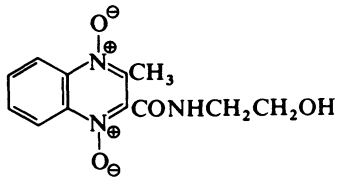
Körbl, J. *et al, Chem. Ind. (London)*, 1957, 233 (*synth*)
Chaplin, A.J. *et al, Histochemistry*, 1976, **47**, 263 (*use*)
Martin, D.B., *Diss. Abstr. Int. B*, 1977, 164 (*props*)

Furry, J.W., *Diss. Abstr. Int. B*, 1986, **46**, 3029 (*synth, props*)

Olaquindox, BAN, INN **O-00034**

N-(2-Hydroxyethyl)-3-methyl-2-quinoxalinecarboxamide 1,4-dioxide, 9CI, 8CI. BayoNox. Celbar. Fedan. Bay Va 9391

[23696-28-8]



$C_{12}H_{13}N_3O_4$ M 263.252

Vet. growth promoter, bactericide. Pale-yellow cryst. Mp 209° dec.

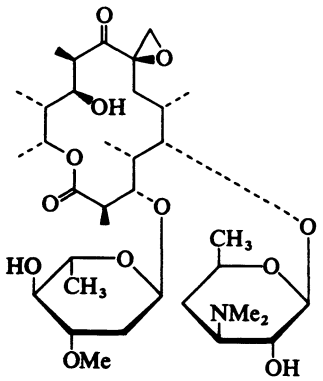
▷VD1582000.

Ger. Pat., 2 212 932, (*1972*); *CA*, **78**, 4281a (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16936.

Oleandomycin, 9CI, 8CI, BAN **O-00035**

Matromycin. Romicil. Amimycin. Numerous proprietary names

[3922-90-5]



$C_{35}H_{61}NO_{12}$ M 687.866

Macrolide antibiotic. Prod. by *Streptomyces antibioticus* ATCC 11891. Broad spectrum antibacterial, antimicrobial agent. Prisms. Mod. sol. H_2O. Mp 110° dec. $[\alpha]_D^{25}$ −65° (c, 2 in MeOH).

▷RJ9220000.

B,HCl: Long needles (EtOAc). Mp 134-135°. $[\alpha]_D^{25}$ −54° (c, 1 in MeOH).

Tri-O-Ac: [2751-09-9]. ***Triacetyloleandomycin, BAN.*** *Troleandomycin, INN. Evramycin. TAO. Numerous proprietary names.*
$C_{41}H_{67}NO_{15}$ M 813.978
Semisynthetic. Antibacterial agent. Cryst. (2-propanol). Mp 180°. $[\alpha]_D^{25}$ −23° (MeOH).

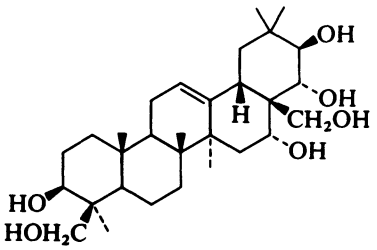
▷RJ9900000.

Tri-O-Ac, N-Oxide: Mp 110-112°. $[\alpha]_D^{25}$ −25° ($CHCl_3$).

4',11-Dipropanoyl: [14289-25-9]. ***Diproleandomycin, INN.***
$C_{41}H_{69}NO_{14}$ M 799.994
Semisynth. antibacterial agent.

Els, H. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 3777 (*isol, props*)
Hochstein, F.A. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3225 (*struct, ir, uv*)
Celmer, W.D. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 1797 (*struct, abs config*)
Hahn, F.E., *Antibiotics (N.Y.)*, 1967, **1**, 378, 755
Nagle, A.M. *et al*, *Antibiotiki (Moscow)*, 1967, **12**, 420 (*diproleandomycin*)
Ross, S., *Antimicrob. Ther.*, 1970, 134 (*rev, pharmacol*)
Nourse, J.G. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4584 (*cmr, stereochem*)
Ogura, H. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 6733 (*cryst struct*)
Singlas, G. *et al*, *J. Pharm. Clin.*, 1983, **2**, 123 (*rev*)
Paterson, I. *et al*, *Tetrahedron*, 1985, **41**, 3569 (*synth, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 118, 175.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8083, 8191.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2092.

12-Oleanene-3,16,21,22,24,28-hexol **O-00036**



$C_{30}H_{50}O_6$ M 506.721

(3β,16α,21β,22α)-form [20865-07-0]

Protoescigenin

Aglycone from Escin. Cryst. (MeOH). Mp 310°. $[\alpha]_D^{20}$ +30.5° (c, 0.7 in EtOH).

21-Tiglyl, 22-Ac: [20690-10-2]. Aglycone from Escin. Cryst. (C_6H_6). Mp 241-252°. $[\alpha]_D^{20}$ +25.6° ($CHCl_3$).

22-Ac, 21-tiglyl, 3-[2-O-β-D-Glucopyranosyl-4-O-β-D-glucopyranosyl-β-D-glucosiduronic acid]: [6805-41-0]. ***Escin.*** *Aescusan. Beflavon. Feparil. Flogencyl. Reparil. Repariven. Venoparil.*
$C_{54}H_{84}O_{23}$ M 1101.244
Constit. of *Aesculus hippocastanum*. Shows oedema-inhibitory props. Capillary protective. Amorph. powder. Mp 224-225°. $[\alpha]_D^{27}$ −23.7° (c, 5 in MeOH).

▷KF6296000.

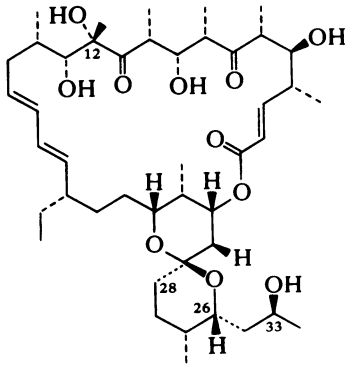
21-O-(3,4-Di-O-angeloyl-β-D-fucopyranosyl): [76582-10-0]. ***Napoleogenin B.***
$C_{46}H_{72}O_{12}$ M 817.068
Prosapogenin from fruits of *Xanthoceras sorbifolia*. Needles (MeOH). Mp 262-264°. $[\alpha]_D^{30}$ +69.0° (c, 0.1 in MeOH).

Hoppe, W. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1968, **7**, 547 (*cryst struct*)
Kartnig, T. *et al*, *Planta Med.*, 1968, **16**, 109 (*biosynth*)
Mussgnug, G. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1588 (*pharmacol, Escin*)
Nakano, T. *et al*, *J. Org. Chem.*, 1969, **34**, 3135 (*abs config*)
Wulff, G. *et al*, *Tetrahedron*, 1969, **25**, 415 (*struct*)
Hampel, H. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 209 (*pharmacol, Escin*)
Mela, C., *Relata Tech. Chim. Biol. Appl.*, 1972, **4**, 283; *CA*, **79**, 121648g (*rev*)
Zharikova, G.G. *et al*, *Dokl. Akad. Nauk SSSR*, 1972, 204, 465 (*biosynth*)
Tetenyi, P. *et al*, *Plant Med. Phytother.*, 1977, **11**, 158, 174 (*Escin, pharmacol, revs*)
Annoni, F. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 672 (*pharmacol, tox*)
Chen, Y. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 3378 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12329.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1297, 1298.

Oligomycin *D* O-00037

26-Demethyloligomycin A, *9CI*. ***Rutamycin, INN, USAN***. *Botrycidin. A 272*

[1404-59-7]



$C_{44}H_{72}O_{11}$ M 777.046

Macrolide antibiotic. Isol. from *Streptomyces griseus*, *S. aureofaciens* and *S. rutgersensis*. Antifungal agent. Cryst. (Et_2O/hexane). Mp 116-119°. $[\alpha]_D^{20}$ −62° (c, 1.36 in $CHCl_3$).

▷VM2150000.

12-Deoxy: [92308-96-8]. ***Rutamycin B***. *26-Demethyl-12-deoxyoligomycin* A, *9CI*. *12-Deoxyrutamycin*.

$C_{44}H_{72}O_{10}$ M 761.047

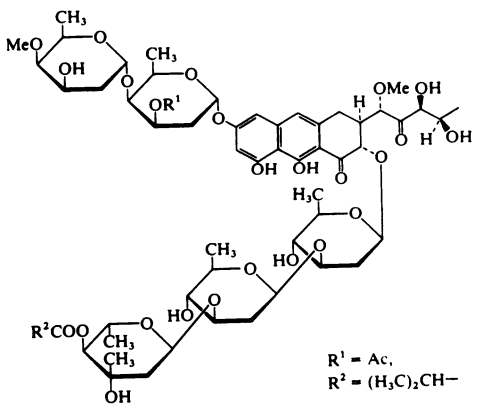
From *S. aureofaciens*. Antifungal agent. Amorph. powder. $[\alpha]_D$ −70° (c, 1.22 in $CHCl_3$).

Thompson, R.Q. *et al*, *Antimicrob. Agents Chemother.*, 1961, 474 (*isol*)
Shaw, P.D., *Antibiotics* (*N.Y.*), 1967, **1**, 1585 (*rev*)
Brufani, M. *et al*, *Helv. Chim. Acta*, 1983, **51**, 1293 (*isol*)
Chamberlain, J.W. *et al*, *Biochem. Biophys. Res. Commun.*, 1969, **34**, 448.
Arnoux, B. *et al*, *J. Chem. Soc., Chem. Commun.*, 1978, 318 (*cryst struct*)
Wuthier, D. *et al*, *Helv. Chim. Acta*, 1984, **67**, 1208 (*isol, struct*)

Olivomycin *A* O-00038

*NSC A649*A. *Antibiotic NSC A649*A

[6988-58-5]



$C_{54}H_{78}O_{25}$ M 1127.195

Aureolic acid group antibiotic. Isol. from *Streptomyces olivoreticuli*. Highly toxic, antineoplastic agent. Yellow cryst. (EtOAc/hexane). Mp 160-165°. $[\alpha]_D^{25}$ −35.5° (c, 0.5 in EtOH). Complex containing small amounts of Olivomycins is also used as antibiotic and is known as Olivomycin, INN.

▷Toxic, LD_{50} 12.5 mg/kg (mice). RK4385010.

Ac: Mp 218-220°.

De(2-methylpropanoyl): [64407-98-3]. *Deisobutyryloli-vomycin* A.

$C_{54}H_{78}O_{25}$ M 1127.195

Isol. from *Whetzilinia sclerotiorum* with Olivomycin *A*. $[\alpha]_D$ −34.4° (EtOH).

4^B-Demethyl: [86917-61-5]. ***4^B-Demethylolivomycin*** A.

$C_{57}H_{82}O_{26}$ M 1183.259

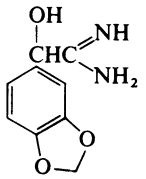
From *S. aburaviensis*. Active against gram-positive bacteria and tumours. Yellow cryst. Mp 163.4-165.1°. $[\alpha]_D^{21}$ −33.6° (c, 1 in EtOH).

Berlin, Y.A. *et al*, *Tetrahedron Lett.*, 1964, 1323; 1966, 1431, 1643 (*ir, uv, struct*)
Berlin, Y.A. *et al*, *Khim. Prir. Soedin.*, 1969, **5**, 567; *CA*, **73**, 25823 (*struct*)
Gause, G.F., *Antibiotics* (*N.Y.*), 1975, **3**, 197 (*rev*)
Schmitz, H. *et al*, *J. Antibiot.*, 1977, **30**, 635 (*deriv*)
Thiem, J. *et al*, *Tetrahedron*, 1981, **37**, 551 (*pmr, cmr, struct*)
Japan. Pat., 83 59 996, (*1983*); *CA*, **99**, 103721 (*deriv*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2094.

Olmidine, INN O-00039

α-Hydroxy-1,3-benzodioxole-5-ethanimidamide, *9CI*. *3,4-(Methylenedioxy)mandelamidine*, *8CI*. *LL 1418*

[22693-65-8]



$C_9H_{10}N_2O_3$ M 194.190

(±)-form [31105-14-3]

Antihypertensive agent.

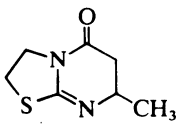
B,HCl: [22693-89-6]. Mp 220°.

Duteil, J. *et al*, *Therapie*, 1969, **24**, 711, 723, 1089, 1103 (*pharmacol*)
Ger. Pat., 2 019 468, (*1971*); *CA*, **74**, 99670 (*synth*)

Olpimedone, INN O-00040

2,3,6,7-Tetrahydro-7-methyl-5H-thiazolo[3,2-a]-pyrimidin-5-one, *9CI*

[39567-20-9]



$C_7H_{10}N_2OS$ M 170.229

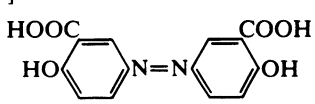
Analgesic, antirheumatic agent. Cryst. Mp 96°.

Ger. Pat., 2 140 601, (*1972*); *CA*, **77**, 5516x (*synth, pharmacol*)
Eur. Pat., 45 251, (*1982*); *CA*, **96**, 181302a (*synth*)

Olsalazine, BAN, INN O-00041

5,5'-Azodisalicylic acid. CI Mordant Yellow S. 3,3'-Azobis[6-hydroxybenzoic acid], *9CI*. *Azodisal*

[15722-48-2]



$C_{14}H_{10}N_2O_6$ M 302.243

Antiinflammatory agent. Dye. Mp >300°.

Di-Na salt: [6054-98-4]. *Olsalazine sodium, BAN. Dipentum.*

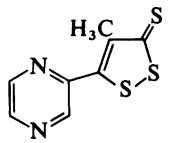
Di-Ca salt: Green-black powder.

B.P., 408 676, (*1934*); *CA*, **28**, 5679 (*synth*)
Henry, R.A., *J. Org. Chem.*, 1958, **23**, 648 (*synth*)
Eur. Pat., 36 637, (*1981*); *CA*, **96**, 57761k (*synth, pharmacol*)
U.S.P., 4 312 806, (*1982*); *CA*, **96**, 142468q (*synth, pharmacol, deriv*)
Ryde, M. *et al*, *Scand. J. Gastroenterol.*, 1983, **18**, 571 (*pharmacol*)
Van Hogezand, R.A. *et al*, *J. Chromatogr.*, 1984, **305**, 470 (*hplc*)
Carlin, G. *et al*, *Agents Actions*, 1985, **16**, 377 (*pharmacol*)
Levinson, R.A. *et al*, *Am. J. Gastroenterol.*, 1985, **80**, 203 (*rev, pharmacol*)
Van Hogezand, R.A. *et al*, *Gastroenterology*, 1985, **88**, 717 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16608, 3779.

Oltipraz, INN O-00042

*4-Methyl-5-pyrazinyl-3*H*-1,2-dithiole-3-thione, 9CI. 35972 RP*

[64224-21-1]



$C_8H_6N_2S_3$ M 226.329
Schistosomicide. Cryst. (MeCN). Mp 162-163°.

▷JP1293000.

Ger. Pat., 2 705 641, (*1977*); *CA*, **87**, 152171r (*synth, pharmacol*)
Bieder, A. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1289 (*metab*)
Wei, C.H., *Acta Crystallogr., Sect. C*, 1983, **39**, 1079 (*cryst struct*)
Morrison, D.D. *et al*, *Biochem. Pharmacol.*, 1987, **36**, 568, 1169 (*pharmacol*)

Omega-3 Marine Triglycerides O-00043

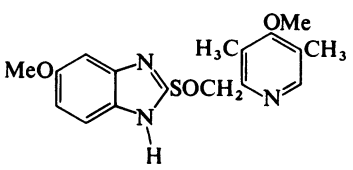
Mixt. of fatty acid triglycerides (from marine fish) containing 18% 8,11,14,18-Icosatetraenoic acid, I-00012 and 12% 4,7,10,13,16,19-Docosahexaenoic acid, D-00564 . Reduces plasma triglycerides.

Glomset, J.A., *New Engl. J. Med.*, 1985, **312**, 1253 (*rev*)
Ballard-Barbash, R. *et al*, *Lancet*, 1988, **1**, 1081 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3899.

Omeprazole, INN, USAN, BAN O-00044

5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)-methyl]sulfinyl]benzimidazole, 9CI. Losec. H 168/68

[73590-58-6]



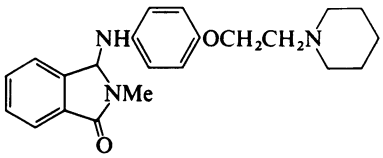
$C_{17}H_{19}N_3O_3S$ M 345.415
Gastric secretion inhibitor. Mp 156°.

Eur. Pat., 5 129, (*1979*); *CA*, **92**, 198396z (*synth, pharmacol*)
Clissold, S.P. *et al*, *Drugs*, 1986, **32**, 15 (*rev*)
Adams, M.H. *et al*, *Clin. Pharm.*, 1988, **7**, 725 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16938.

Omidoline, INN O-00045

*2-Methyl-3-(β-piperidino-*p*-phenetidino)phthalimidine, 8CI*

[21590-91-0]



$C_{22}H_{27}N_3O_2$ M 365.474
Mp 180-181°.

(±)-*form*

Antiparkinsonian agent.

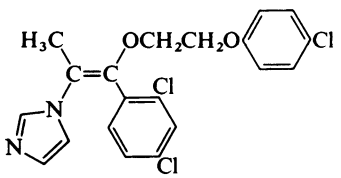
B,HCl: Mp 115-116°.

South African Pat., 6 705 704, (*1968*); *CA*, **79**, 68154f (*synth*)
B.P., 1 152 928, (*1969*)

Omoconazole, INN O-00046

*1-[2,4-Dichloro-β-[2-*p*-chlorophenoxy)ethoxy]-α-methylstyryl]imidazole, 8CI. 1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)-1-methylethenyl]-1*H*-imidazole, 9CI*

[74512-12-2]



$C_{20}H_{17}Cl_3N_2O_2$ M 423.726
Fungicide. Cryst. (EtOAc/hexane). Mp 89-90°.

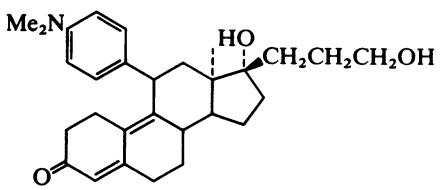
B,HNO₃: [83621-06-1]. Mp 117-121°.

Ger. Pat., 2 839 388, (*1980*); *CA*, **83**, 46678a (*synth, pharmacol*)
Thiele, K. *et al*, *Helv. Chim. Acta*, 1987, **70**, 441 (*synth, cryst struct*)

Onapristone, INN O-00047

11-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxypropyl)estra-4,9-dien-3-one, 9CI. ZK 98299

[96346-61-1]

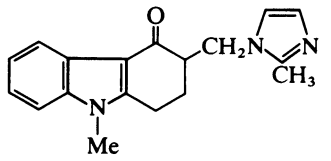


$C_{29}H_{39}NO_3$ M 449.632
Antiprogesterone, antiglucocorticoid. Oil.

Eur. Pat., 129 499, (*1984*); *CA*, **103**, 6617y (*synth, pharmacol*)
Neef, G. *et al*, *Steroids*, 1984, **44**, 349 (*synth, pharmacol*)
Elger, W. *et al*, *Am. J. Obstet. Gynecol.*, 1987, **157**, 1065 (*pharmacol*)

Ondansetron, BAN, INN **O-00048**

1,2,3,9-Tetrahydro-9-methyl-3-[(2-methyl-1H-imidazol-1-yl)methyl]-4H-carbazol-4-one, 9CI



$C_{18}H_{19}N_3O$ M 293.368

(±)-form [99614-02-5]

GR 38032

$5HT_3$-Serotonin antagonist. Antiemetic.

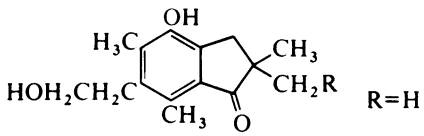
B,HCl: [103639-04-9]. *Ondansetron hydrochloride, BAN.* Cryst. (EtOH). Mp 186-187° (monohydrate).

Ger. Pat., 3 502 508, (*1985*); *CA*, **104**, 19589 (*synth, pharmacol*)
Hagan, R.M. *et al*, *Eur. J. Pharmacol.*, 1987, **138**, 303 (*pharmacol*)
Stables, R. *et al*, *Cancer Treat. Rev.*, 1987, **14**, 333 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3149.

Onitin **O-00049**

2,3-Dihydro-4-hydroxy-6-(2-hydroxyethyl)-2,2,5,7-tetramethyl-1H-inden-1-one, 9CI

[53823-02-2]



$C_{15}H_{20}O_3$ M 248.321

Isol. from *Onychium auratum, O. siliculosum, Equisetum arvense, Cibotium barometz* and *Dicksonia gigantea*. Smooth muscle relaxant. Cryst. (MeOH). Mp 212-214°.

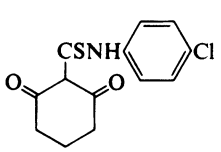
4-Glucoside: [78415-48-2]. *Onitoside.*
$C_{21}H_{30}O_8$ M 410.463
Isol. from *O. siliculosum*. Cryst. (EtOAc). Mp 172-174°.

Banerji, A. *et al*, *Tetrahedron Lett.*, 1974, 1369 (*isol*)
Hayashi, Y. *et al*, *Chem. Lett.*, 1974, 945 (*synth*)
Wadhawan, V.K. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 428 (*struct*)
Syrchina, A.I. *et al*, *Khim. Prir. Soedin.*, 1978, 508 (*isol, struct*)
Murakami, T. *et al*, *Phytochemistry*, 1980, **19**, 1743 (*isol*)
Wu, T-S. *et al*, *Phytochemistry*, 1981, **20**, 527 (*deriv*)
Satake, T. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4620 (*isol*)
Yang, M.S., *Planta Med.*, 1986, 25 (*pharmacol*)
Raju, B. *et al*, *Indian J. Chem., Sect. B*, 1987, **26**, 914 (*synth*)

Ontianil, INN **O-00050**

N-(4-Chlorophenyl)-2,6-dioxocyclohexanecarbothioamide, 9CI. 4'-Chloro-2,6-dioxocyclohexanecarbothioanilide

[35727-72-1]



$C_{13}H_{12}ClNO_2S$ M 281.756

Anthelmintic, antifungal agent. Cryst. (EtOH). Mp 114°.

▷GU7746000.

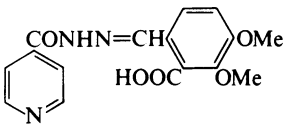
K salt: [54266-35-2]. *Terondit.*

Ger. Pat., 2 039 466, (*1972*); *CA*, **76**, 140270g (*synth, pharmacol*)

Opiniazide, INN **O-00051**

5,6-Dimethoxyphthalaldehydic acid isonicotinylhydrazone, 8CI. Saluside. Saluzid

[2779-55-7]



$C_{16}H_{15}N_3O_5$ M 329.312

Antibacterial (tuberculostatic) agent. Mp 245°.

▷TH7010000.

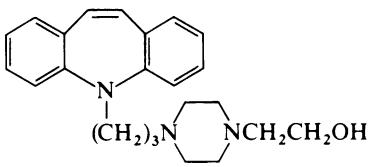
Na salt: Mp >250°.

Japan. Pat., 57 8 078, (*1957*); *CA*, **52**, 13805c (*synth, pharmacol*)
Veis, R.A., *Antibiotiki*, 1969, **14**, 1016; *CA*, **72**, 53471v (*pharmacol*)
Akhundov, R.A., *CA*, 1977, **86**, 115162x (*pharmacol*)

Opipramol, BAN, INN **O-00052**

4-[3-(5H-Dibenz[b,f]azepin-5-yl)propyl]-1-piperazineethanol, 9CI, 8CI

[315-72-0]



$C_{23}H_{29}N_3O$ M 363.502

Antidepressant, tranquilliser. Mp 100-101°.

▷TL8750000.

B,2HCl: [909-39-7]. *Opipramol hydrochloride, USAN, JAN. Dinsidon. Ensidon. Insidon. Nisidana. Opramol. Oprimol. Pramolan. G 33040. RP 8307.* Sol. H_2O. Mp 228-230° (209-212°).

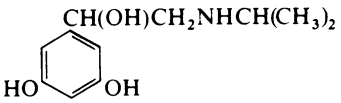
▷TL9100000.

Broussolle, B. *et al*, *Agressologie*, 1962, **3**, 723 (*pharmacol*)
Swiss Pat., 359 143, (*1963*); *CA*, **58**, 10218 (*synth*)
Bickel, M.H. *et al*, *Int. J. Neuropharmacol.*, 1964, **3**, 611 (*pharmacol*)
de Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2532.

Orciprenaline, BAN, INN **O-00053**

5-[1-Hydroxy-2-(1-methylethyl)amino]ethyl-1,3-benzenediol, 9CI. 3,5-Dihydroxy-α-[(isopropylamino)-methyl]benzyl alcohol, 8CI. Metaproterenol

[586-06-1]



$C_{11}H_{17}NO_3$ M 211.260

▷DO1800000.

(+)-form

B,HCl: Mp 212-213°. $[\alpha]_D$ +45.2° (c, 5 in EtOH).

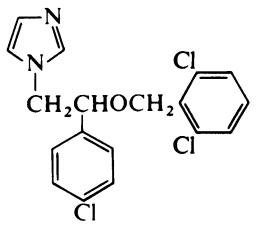
(−)-form

B,HCl: Mp 212°. $[\alpha]_D$ −45° (c, 5 in MeOH).

(±)-***form*** [13392-25-1]
Bronchodilator. Mp 100°.
B,HCl: [58869-09-3]. Cryst. (MeOH/Et_2O). Mp 147°.
2B,H_2SO_4: [31023-56-0]. *Metaproterenol sulfate, USAN. Alotec. Alupent. Astmopent. Astop. Dosalupent. Ipradol. Lenasma. Metaprel. Novasmasol. Sedasma. Th 152.*
Belg. Pat., 611 502, (*1962*); *CA*, **57**, 13678 (*synth, resoln, pharmacol*)
Brittain, R.T. *et al, Advan. Drug Res.*, 1970, **5**, 197 (*rev*)
Dengler, H.J., *Arch. Int. Pharmacodyn. Ther.*, 1974, **223**, 71 (*metab*)
Kracmar, J. *et al, Pharmazie*, 1976, **31**, 614 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2091.

Orconazole, INN O-00054

1-[2-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)-methoxy]ethyl]-1H-imidazole, 9CI

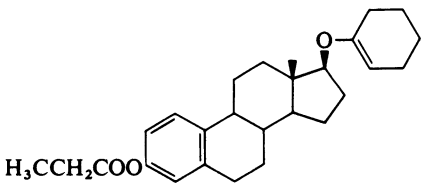


$C_{18}H_{15}Cl_3N_2O$ M 381.688

(±)-***form*** [66778-37-8]
Antifungal agent.
B,HNO_3: [66778-38-9]. *Orconazole nitrate, USAN. R 15556.* Mp 144-145°.
Godefroi, E.F. *et al, J. Med. Chem.*, 1969, **12**, 784 (*synth, pharmacol*)
B.P., 1 522 848, (*1978*); *CA*, **91**, 175341t (*synth, pharmacol*)

Orestrate, INN O-00055

17β-(Cyclohexen-1-yloxy)estra-1,3,5(10)-trien-3-ol propanoate, 9CI
[13885-31-9]



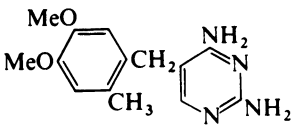
$C_{27}H_{36}O_3$ M 408.580
Oestrogen. Mp 94-96°. $[\alpha]_D^{24}$ +71° (c, 0.5, dioxan).
Gardi, R. *et al, J. Med. Chem.*, 1973, **16**, 123 (*synth, pharmacol*)

Orgotein, BAN, INN, USAN O-00056

Ontosein. Ormetein (obsol.). Palosein. Bovine superoxide dismutase
[9016-01-7]
A group of water-soluble protein congeners. Isol. from liver, red blood cells and other tissues.
Antiinflammatory agent. MW ca. 34000.
▷RM2200000.
South African Pat., 69 02 983, (*1969*); *CA*, **73**, 1716 (*isol*)
Ger. Pat., 2 101 866, (*1971*); *CA*, **75**, 98827
Barra, D. *et al, FEBS Lett.*, 1980, **120**, 53 (*isol*)
Lieman-Hurwitz, J. *et al, Proc. Natl. Acad. Sci. USA*, 1982, **79**, 2808 (*cloning*)
Gaertner, A. *et al, Top. Curr. Chem.*, 1986, **132**, 1 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13043.

Ormetoprim, USAN, INN O-00057

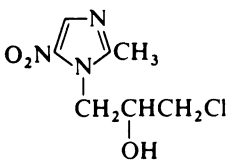
5-[(4,5-Dimethoxy-2-methylphenyl)methyl]-2,4-pyrimidinediamine, 9CI. 2,4-Diamino-5-(6-methylveratryl)-pyrimidine, 8CI. NSC 95072. Ro 5-9754
[6981-18-6]



$C_{14}H_{18}N_4O_2$ M 274.322
Antibacterial agent, coccidiostat for poultry. Mp 235-236°.
Netherlands Pat., 6 514 743, (*1966*); *CA*, **65**, 10597 (*synth, pharmacol*)
Parish, R.O. *et al, J. Med. Chem.*, 1972, **15**, 1324 (*pharmacol*)
Szilagyi, G. *et al, Acta Chim. Acad. Sci. Hung.*, 1975, **87**, 177 (*synth*)

Ornidazole, USAN, INN O-00058

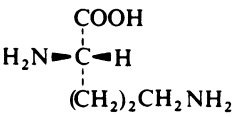
α-(Chloromethyl)-2-methyl-5-nitro-1H-imidazole-1-ethanol, 9CI, 8CI. Betiral. Biteral. Danubial. Kolpicid. Madelen. Ornidal. Tibal. Tiberal. Tinerol. Ro 7-0207
[16773-42-5]



$C_7H_{10}ClN_3O_3$ M 219.627
Antiprotozoal agent. Cryst. (toluene). Mp 78°.
▷NI5460000.
Hoffer, M. *et al, J. Med. Chem.*, 1974, **17**, 1019 (*synth, pharmacol*)
Nagarajan, K. *et al, Indian J. Chem., Sect. B*, 1982, **21**, 1006 (*cmr, pmr, uv, ms*)
Chen, B.C. *et al, Helv. Chim. Acta*, 1983, **66**, 1537 (*N-15 nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4792.

Ornithine O-00059

[70-26-8]. *2,5-Diaminopentanoic acid, 9CI*



(S)-form
Absolute configuration

$C_5H_{12}N_2O_2$ M 132.162
Other *N*-protected derivs. useful in peptide synth. are listed elsewhere.

(S)-form
L-form
Used in treatment of hyperammonaemia. Sol. H_2O, EtOH, spar. sol. Et_2O. Mp 140°. $[\alpha]_D^{25}$ +11.5°.
B,2HCl: Mp 230-232° dec. $[\alpha]_D^{25}$ +17° (H_2O).
N^{α}-Benzyloxycarbonyl:
$C_{13}H_{18}N_2O_4$ M 266.296
Mp 209-210°. $[\alpha]_D$ −8.4° (5M HCl).
N^{δ}-Benzyloxycarbonyl:
$C_{13}H_{18}N_2O_4$ M 266.296
Mp 254-255°.

N^{α},N^{δ}-*Bis(benzyloxycarbonyl):*
$C_{21}H_{24}N_2O_6$ M 400.430
Mp 112-114°. $[\alpha]_D^{20}$ −4.0° (c, 3 in MeOH).

N^{α},N^{δ}-*Bis(benzyloxycarbonyl), Me ester:*
$C_{22}H_{26}N_2O_6$ M 414.457
Cryst. ($CHCl_3$/pet. ether). Mp 71-72°.

N^{α}-*Ac:*
$C_7H_{14}N_2O_3$ M 174.199
Intermed. in biosynth. of ornithine from glutamic acid in bacteria. Mp 226-227°. $[\alpha]_D^{25}$ +6.5° (c, 5 in H_2O).

N^{δ}-*Ac:*
$C_7H_{14}N_2O_3$ M 174.199
Mp 229-223° dec. (slow heating).

N^{α},N^{δ}-*Di-Ac:* [39825-23-5]. N^2,N^5-*Diacetylornithine, 9CI.* ***Bisorcic, INN.***
$C_9H_{16}N_2O_4$ M 216.236
Hepatoprotective agent, psychostimulant.

N^{α},N^{δ}-*Dibenzoyl:* [495-46-5]. *Ornithuric acid.*
$C_{19}H_{20}N_2O_4$ M 340.378
Needles or plates (EtOH). Spar. sol. H_2O, EtOAc, hot EtOH, insol. Et_2O. Mp 188-189°. $[\alpha]_D^{20}$ +8.5° (EtOH aq.).

N-*Hexa-Me: Miokinine.*
$C_{11}H_{25}N_2O_2^{\oplus}$ M 217.331 (ion)
Isol. from mammalian muscle.

N^{α},N^{δ}-*Dibenzoyl, Me ether:*
$C_{20}H_{22}N_2O_4$ M 354.405
Mp 145.6°.

N^{α},N^{δ}-*Dibenzoyl, Et ester:*
$C_{21}H_{24}N_2O_4$ M 368.432
Mp 155°.

N^{δ}-*Me:*
$C_6H_{14}N_2O_2$ M 146.189
Present in *Atropa belladonna*. Alkaloid precursor.

(±)-*form*

B,HCl: Mp 225°.
B,2HCl: Mp 230-232° dec.

N^{δ}-*Benzoyl:*
$C_{12}H_{16}N_2O_3$ M 236.270
Mp 285-288°.

N^{δ}-*Benzoyl,* N^{α}-*(4-methylbenzenesulfonyl):* Needles (EtOH aq.). Mp 185°.

N^{α},N^{δ}-*Dibenzoyl:* Needles (EtOH). Mp 187-188°.

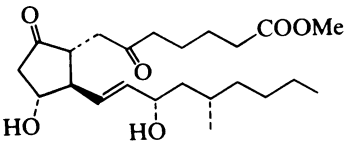
N^{δ}-*Me; B,HCl:* Cryst. (EtOH aq.). Mp 242-243°.

Karrer, P. *et al, Helv. Chim. Acta*, 1926, **9**, 301.
Hunter, A., *Biochem. J.*, 1939, **33**, 29.
Albertson, N.F. *et al, J. Am. Chem. Soc.*, 1945, **67**, 2043.
Synge, R.C.M., *Biochem. J.*, 1948, **42**, 99.
Gaudry, R., *Can. J. Chem.*, 1953, **31**, 1060.
Biochem. Prep., 1953, **3**, 96.
Thompson, J.F. *et al, Arch. Biochem. Biophys.*, 1962, **99**, 326.
Lipson, M.A. *et al, J. Org. Chem.*, 1964, **29**, 2392.
Schröder, E. *et al, Justus Liebigs Ann. Chem.*, 1964, **679**, 221.
Gilbertson, T.J. *et al, J. Am. Chem. Soc.*, 1967, **89**, 7085 (*synth, deriv*)
Ger. Pat., 2 219 874, (*1973*); *CA*, **78**, 98010t (*Bisorcic*)
Hedges, S.H. *et al, Phytochemistry*, 1981, **20**, 2064 (*isol, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 608.

Ornoprostil, INN **O-00060**

11,15-Dihydroxy-17,20-dimethyl-6,9-dioxoprost-13-en-1-oic acid methyl ester, 9CI. Ronoprost

[70667-26-4]



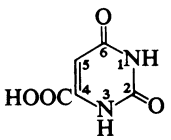
$C_{23}H_{38}O_6$ M 410.550
Antiulcerogenic, cytoprotectant. $[\alpha]_D^{25}$ −44.9° (c, 0.44 in MeOH).

Ger. Pat., 2 840 032, (*1979*); *CA*, **91**, 56458 (*synth*)
Anon., *Res. Discl.*, 1985, **256**, 400 (*synth*)
Hirata, F., *Farumashia*, 1987, **23**, 1249; *CA*, **108**, 156287 (*rev*)
Tanaka, T. *et al, Tetrahedron*, 1987, **43**, 813 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2971.

Orotic acid, INN **O-00061**

1,2,3,6-Tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid, 9CI. Uracilcarboxylic acid. Vitamin B_{13}. Whey factor. Other proprietary names

[65-86-1]



$C_5H_4N_2O_4$ M 156.098
Occurs in milk. Key compd. involved in biosynth. of nucleic acid pyrimidine bases. Shows bacteriostatic and cytostatic props. Forms metal complexes. Uricosuric agent. Cryst. (H_2O). Mp 322-325°, 345-346°.

▷RM3180000.

Me ester:
$C_6H_6N_2O_4$ M 170.124
Cryst. Mp 240-242°, 249°.

Et ester:
$C_7H_8N_2O_4$ M 184.151
Cryst. Mp 207-208°.

1,3-Di-Me:
$C_7H_8N_2O_4$ M 184.151
Cryst. Mp 153-154°.

1,3-Di-Me, Me ester:
$C_8H_{10}N_2O_4$ M 198.178
Cryst. Mp 77-78°.

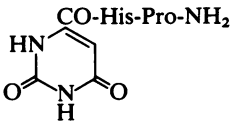
Choline ester: [24381-49-5]. ***Choline orotate***. *Cholergol. Rufai* B.
$C_{10}H_{17}N_3O_5$ M 259.261
Used in treatment of liver disorders.

Dimethylamide: [3687-44-3]. ***Orotic acid dimethylamide***. *Orotonsan* S.
$C_7H_9N_3O_3$ M 183.166
Used to treat liver disorders. Cryst. (EtOH). Mp 249°.

Japan. Pat., 63 23 180, (*1963*); *CA*, **60**, 2964f (*Dimethylamide*)
Rambacher, P. *et al, Angew. Chem., Int. Ed. Engl.*, 1968, **7**, 383 (*synth*)
Takusagawa, F. *et al, Bull. Chem. Soc. Jpn.*, 1973, **46**, 2011 (*cryst struct*)
Ivin, B.A. *et al, Zh. Org. Khim.*, 1976, **12**, 1836; *CA*, **85**, 160221 (*synth*)
Wyrzykiewicz, E. *et al, Rocz. Chem.*, 1977, **51**, 673 (*ms*)
Walther, H. *et al, Pharmazie*, 1979, **34**, 309 (*pharmacol*)
Cihak, A. *et al, Orotic Acid*, MTP: Lancaster, U.K., 1980 (*book*)
Falk, M., *Pharmazie*, 1985, **40**, 377 (*rev, props*)

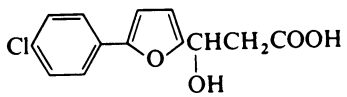
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13045.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 261.

Orotirelin, INN **O-00062**
N-[(1,2,3,6-Tetrahydro-2,6-dioxo-4-pyrimidinyl)-carbonyl]-L-histidyl-L-prolinamide, 9CI. Orotyl-L-histidyl-L-prolinamide. CG 3509
[62305-86-6]



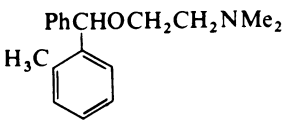
$C_{16}H_{19}N_7O_5$ M 389.370
Synth. thyrotropin releasing hormone. Mp 250° (as monohydrate). $[\alpha]_D^{22}$ −45.8° (c, 1 in MeOH).
Netherlands Pat., 7 510 288, (*1976*); *CA*, **86**, 1217850 (*synth*)
Metcalf, G., *Thyrotropin-Releasing Horm.*, 1983, 315, 327, Griffin, Bennett & Raven, N.Y. (*activity, pharmacol*)
Griffiths, E.C. *et al*, *Experientia*, 1988, **44**, 40.

Orpanoxin, USAN, INN **O-00063**
5-(4-Chlorophenyl)-β-hydroxy-2-furanpropanoic acid, 9CI. F 776
[60653-25-0]



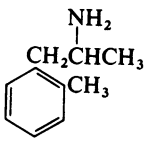
$C_{13}H_{11}ClO_4$ M 266.681
▷LU5700000.
(±)-form
Antiinflammatory drug. Cryst. (toluene). Mp 107.5-108.5°.
Monohydrate: Mp 50-52°.
U.S.P., 3 962 284, (*1976*); *CA*, **85**, 159860g (*synth, pharmacol*)
Goldenberg, M.M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1980, **243**, 331 (*pharmacol*)
Brooks, R.R. *et al*, *Agents Actions*, 1985, **16**, 369 (*pharmacol*)

Orphenadrine, BAN, INN **O-00064**
N,N-Dimethyl-2-[(2-methylphenyl)phenylmethoxy]-ethanamine, 9CI. Numerous proprietary names
[83-98-7]



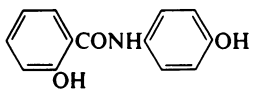
$C_{18}H_{23}NO$ M 269.386
▷KR6120000.
(+)-form [33425-89-7]
B,HCl: Mp 148-150°. $[\alpha]_D$ +13° (EtOH).
(−)-form [33425-91-1]
B,HCl: Mp 144-146°. $[\alpha]_D$ −10.3° (EtOH).
(±)-form [33425-90-0]
Skeletal muscle relaxant, antihistaminic. Liq. Bp_{12} 195°.
B,HCl: [341-69-5]. *Disipal.* Mp 156-157°.
▷KR6300000.
Citrate: [4682-36-4]. *Orphenadrine citrate, USAN. Norflex.* Component of Norgesic.
Bijlsma, F. *et al*, *Arzneim.-Forsch.*, 1955, **5**, 72 (*synth*)
Rekker, R.F. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1968, **87**, 1099 (*uv*)
Van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 2010 (*synth, resoln*)
Rekker, R.F. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1572 (*ir, pmr*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol.*, 1971, **23** (*Suppl.*), 222 (*metab*)
Holt, D.W. *et al*, *J. Chromatogr.*, 1979, **169**, 295 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4894 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 394, 395.

Ortetamine, INN **O-00065**
α,2-Dimethylbenzeneethanamine, 9CI. o,α-Dimethylphenethylamine, 8CI. 1-(2-Methylphenyl)-2-propylamine. O-Methylamphetamine. Rothetamine
[5580-32-5]



$C_{10}H_{15}N$ M 149.235
(±)-form [35373-71-8]
Psychomimetic, anorectic agent. $Bp_{0.9}$ 58-60°.
Cymerman-Craig, B.M. *et al*, *Aust. J. Chem.*, 1959, **12**, 453 (*synth*)
Fuller, R.W. *et al*, *J. Med. Chem.*, 1971, **14**, 322 (*activity*)
Hansch, C. *et al*, *J. Med. Chem.*, 1972, **15**, 112.
Souter, R.W. *et al*, *J. Chromatogr.*, 1975, **114**, 307 (*resoln*)

Osalmid, INN **O-00066**
2-Hydroxy-N-(4-hydroxyphenyl)benzamide, 9CI. 4'-Hydroxysalicylanilide, 8CI. Bichol. Driol. L-1718. Numerous proprietary names
[526-18-1]



$C_{13}H_{11}NO_3$ M 229.235
Choleretic agent. Light-sensitive purplish-grey powder. Mp 176°.
▷VN8830000.
Di-Ac: Needles (EtOH). Mp 151°.
Weizmann, C. *et al*, *J. Org. Chem.*, 1948, **13**, 796 (*synth*)
Goenechea, S. *et al*, *Arch. Toxikol.*, 1969, **25**, 89 (*tlc*)
Grandgeorge, M. *et al*, *Therapie*, 1973, **28**, 1013 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3729.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2670.

Osmadizone, INN **O-00067**
[2-(Phenylsulfinyl)ethyl]propanedioic acid mono(1,2-diphenylhydrazide), 9CI. [2-(Phenylsulfinyl)ethyl]-malonic acid mono(1,2-diphenylhydrazide), 8CI
[27450-21-1]

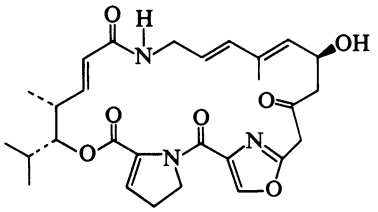


$C_{23}H_{22}N_2O_4S$ M 422.498
Uricosuric agent. Cryst. (EtOH). Mp 151-152° dec.
Ger. Pat., 2 023 415, (*1971*); *CA*, **76**, 59256k (*synth, pharmacol*)

Ostreogrycin *A* O-00068

Mikamycin A. *Pristinamycin* II_A. *Staphylomycin* M_1. *Streptogramin* A. *Syncothrecin* A. *Synergistin-A1*. *Virginiamycin* M_1. *Vernamycin* A. *E129A*. *PA 114*A. *1745*Z_3*A*. *Antibiotic 14752-2*. *Antibiotic E129A*. *Antibiotic PA 114*A. *Antibiotic 1745*Z_3*A*

[21411-53-0]



$C_{28}H_{35}N_3O_7$ M 525.600

Depsipeptide-type antibiotic. Isol. from *Streptomyces pristinaespiralis*, *S. virginiae* and other *S.* spp. Active against gram-positive organisms. Cryst. (EtOAc). Mp 200° dec. $[\alpha]_D^{23}$ −209° (c, 1 in EtOH).

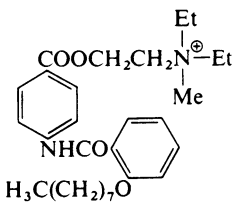
Mixture with ca. 25% other Virginamycins: [11006-76-1]. ***Virginiamycin***, *BAN, INN, USAN*. *Cebin V*. *Eskalin V*. *Eskamicin*. *Stafac*. *Stephylomycin*. *Mikamycin*. *Ostreogrycin*. *Patricin*. *Pristinamycin*. *Streptogramin*. *Vernamycin*. Antibacterial food additive. $[\alpha]_D$ −124° (c, 0.05 in EtOH). Dec. at 138-140°.

▷ZA4850000.

Ball, S. *et al*, *Biochem. J.*, 1958, **68**, 24P (*isol*)
Delpierre, G.R. *et al*, *Tetrahedron Lett.*, 1966, 369 (*struct*)
Kingston, D.G.I. *et al*, *J. Chem. Soc.* (*C*), 1966, 1669 (*nmr, ir, ms*)
Preud'Homme, J. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 585 (*isol, ms, struct*)
Crooy, P. *et al*, *J. Antibiot.*, 1972, **25**, 371.
Bycroft, B.W. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 2464 (*cmr, pmr, conformn*)
Ogata, K. *et al*, *J. Antibiot.*, 1978, **31**, 1313 (*isol, ir, nmr*)
Kingston, D.G.I. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 5106 (*biosynth*)
Biot, A.M., *Drugs Pharm. Sci.*, 1984, **22**, 695 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 178.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2732.

Otilonium(1+) O-00069

N,N-*Diethyl*-N-*methyl*-2-[[4-[[2-(*octyloxy*)*benzoyl*]-*amino*]*benzoyl*]*oxy*]*ethanaminium*, *9CI*. *Octylonium*



$C_{29}H_{43}N_2O_4^{\oplus}$ M 483.670 (ion)

Smooth muscle relaxant, antispasmodic, anticholinergic agent.

Bromide: [26095-59-0]. *Otilonium bromide*. *Menoctyl*. *Spasmomen*. *Spasmoctyl*.
$C_{29}H_{43}BrN_2O_4$ M 563.574
Mp 166-168°.

▷BP7610000.

Iodide: [26095-58-9].
$C_{29}H_{43}IN_2O_4$ M 610.574
Mp 136-138°.

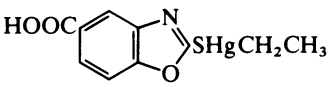
▷BP8094000.

Ghelardoni, M. *et al*, *J. Med. Chem.*, 1973, **16**, 1063 (*synth, pharmacol*)
De Angelis, L., *Drugs of Today*, 1979, **15**, 417 (*rev, pharmacol*)
Scarpignato, C. *et al*, *Farmaco, Ed. Prat.*, 1980, **35**, 249, 258 (*pharmacol*)
Sega, A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 649 (*pmr, conformn*)
Dapporto, P. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 474 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13048.

Otimerate O-00070

Ethyl(*2-mercapto-5-benzoxazolecarboxylato-S*)-*mercury*, *9CI*. 2-[(*Ethylmercuri*)*thio*]*benzoxazole-5-carboxylic acid*

[23068-56-6]



$C_{10}H_9HgNO_3S$ M 423.836

Bacteriostatic, antifungal agent. Used as Na salt.

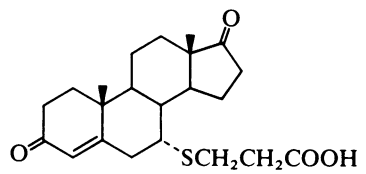
Na salt: [16509-11-8]. *Otimerate sodium*, *INN*. *Cialit*. *Timerozole*.
$C_{10}H_8HgNNaO_3S$ M 445.818

U.S.P., 1 984 097, (*1935*); *CA*, **29**, 1590 (*synth*)
Koenig, R., *J. Gen. Virol.*, 1970, **7**, 257 (*props*)
Thies, H. *et al*, *Pharm. Ztg.*, 1975, **120**, 673 (*detn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13249.

Ovandrotone O-00071

3-[(*3,17-Dioxoandrost-4-en-7-yl*)*thio*]*propanoic acid*, *9CI*

[40845-00-9]



$C_{22}H_{30}O_4S$ M 390.537
Mp 211-213°.

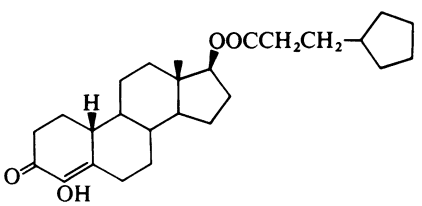
Serum albumin conjugate: Ovandrotone albumin, *BAN, INN*. *GR 33207*. Ovine fecundity agent.

Weinstein, A. *et al*, *Steroids*, 1972, **20**, 789 (*synth, props*)
Fr. Pat., 2 474 867, (*1981*); *CA*, **96**, 63513 (*props*)

Oxabolone cipionate, INN, JAN O-00072

17-(3-Cyclopentyl-1-oxopropoxy)-4-hydroxy-4-estren-3-one, *9CI*. *4,17β-Dihydroxyestr-4-en-3-one 17-cyclopentanepropionate*, *8CI*. *FI 5852*

[1254-35-9]



$C_{26}H_{38}O_4$ M 414.584

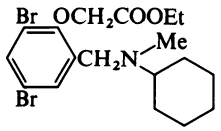
Androgen, anabolic steroid. Mp 158-160°. $[\alpha]_D$ +38° (c, 1 in $CHCl_3$).

B.P., 879 622, (*1961*); *CA*, **57**, 7393i (*synth, pharmacol, uv*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 719 (*props, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13050.

Oxabrexine, INN **O-00073**

Ethyl [2,4-dibromo-6-[(cyclohexylmethylamino)-methyl]phenoxy] acetate, 9CI. Ethyl[[4,6-dibromo-α-(cyclohexylmethylamino)-o-tolyl]oxy] acetate

[65415-42-1]



$C_{18}H_{25}Br_2NO_3$ M 463.208

Diuretic, secretolytic, antitussive.

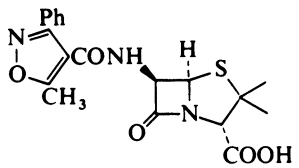
B,HCl: [53600-16-1]. Mp 138-145°.

Ger. Pat., 2 364 191, (*1974*); *CA*, **81**, 120198q (*synth, pharmacol*)
U.S.P., 3 996 279, (*1976*); *CA*, **86**, 106170 (*synth, pharmacol*)

Oxacillin, BAN, INN **O-00074**

6-(5-Methyl-3-phenyl-1-isoxazolecarboxamido)-penicillanic acid. Numerous proprietary names

[66-79-5]



$C_{19}H_{19}N_3O_5S$ M 401.436

Semisynthetic Penicillin. Active against staphylococci.

▷XH9000000.

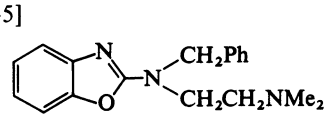
Na salt: [7240-38-2]. *Oxacillin sodium, USAN. Prostaphlin. Bactocill. P 12. SQ 16423. Antibiotic P 12. Antibiotic SQ 16423.* Cryst. + $1H_2O$ (2-propanol). Sol. H_2O. Mp 188° dec. $[\alpha]_D^{20}$ +201° (c, 1.0 in H_2O).

Doyle, F. *et al*, *Nature (London)*, 1961, **192**, 1183
U.S.P., 2 996 501, (*1962*); *CA*, **56**, 5971 (*synth*)
Blanpain, P. *et al*, *Bull. Soc. Chim. Belg.*, 1977, **86**, 767 (*cryst struct*)
Paschal, J.W. *et al*, *J. Org. Chem.*, 1978, **43**, 2013 (*cmr, N nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5187 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 119.

Oxadimedine, INN **O-00075**

N-2-Benzoxazolyl-N′,N′-dimethyl-N-(phenylmethyl-1,2-ethanediamine), 9CI. 2-[Benzyl[(2-dimethylamino)-ethyl]amino]benzoxazole, 8CI. N-(Benzoxazolyl)-N-benzyl-N,N-dimethylethylenediamine

[16485-05-5]



$C_{18}H_{21}N_3O$ M 295.383

Local anaesthetic, antihistamine. $Bp_{0.07}$ 155-160°.

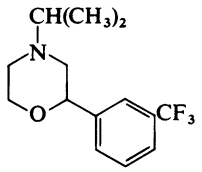
B,HCl: [6314-69-8]. Cryst. ($EtOH/Me_2CO/Et_2O$). Mp 212-213.5°.

U.S.P., 2 886 572, (*1959*); *CA*, **53**, 20090f (*synth, pharmacol*)

Oxaflozane, INN **O-00076**

4-(1-Methylethyl)-2-[3-(trifluoromethyl)phenyl]-morpholine, 9CI. 4-Isopropyl-2-(α,α,α-trifluoro-m-tolyl)morpholine, 8CI. Conflictan. 1766 CERM

[26629-87-8]



$C_{14}H_{18}F_3NO$ M 273.298

Antidepressant. Bp_3 99°.

▷QE6150000.

B,HCl: [26629-86-7]. Mp 164°.

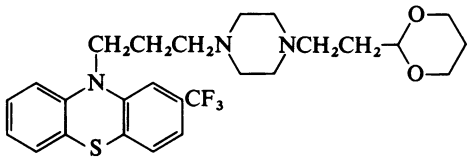
▷QE5270000.

Fr. Pat., 1 564 792, (*1969*); *CA*, **72**, 79065t (*synth*)
Hache, J. *et al*, *Therapie*, 1974, **29**, 81, 95 (*tox, pharmacol*)
Busch, N. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 201 (*synth, activity*)
Constantin, M. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 109 (*metab*)
Weintraub, P.M. *et al*, *J. Org. Chem.*, 1980, **45**, 4989 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2295.

Oxaflumazine, INN **O-00077**

10-[3-[4-(2-m-Dioxan-2-ylethyl)-1-piperazinyl]-propyl]-2-(trifluoromethyl)phenothiazine, 8CI

[16498-21-8]



$C_{26}H_{32}F_3N_3O_2S$ M 507.613

Tranquilliser. Neuroleptic.

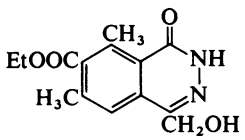
Disuccinate: Oxaflumine. SD 270-31. Cryst. (MeCN). Mp 136-138°.

Ratouis, R. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 2963 (*synth*)
Boissier, J.R. *et al*, *Therapie*, 1971, **26**, 227, 481 (*pharmacol*)
Boissier, J.R. *et al*, *Ann. Pharm. Fr.*, 1972, **30**, 851 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7074.

Oxagrelate, USAN, INN **O-00078**

Ethyl 3,4-dihydro-1-(hydroxymethyl)-5,7-dimethyl-4-oxo-6-phthalazinecarboxylate, 9CI. Phthalazinol. EG 626. SC 32840

[56611-65-5]



$C_{14}H_{16}N_2O_4$ M 276.291

Platelet aggregation inhibitor. Cryst. (EtOH aq.). Mp 173-175°.

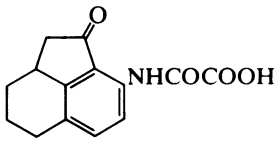
▷TH8849440.

Moriya, K. *et al*, *Ann. N.Y. Acad. Sci.*, 1976, **275**, 266 (*pharmacol*)
Ishikawa, M. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 2770 (*synth, bibl*)
Eur. Pat., 86 438, (*1983*); *CA*, **100**, 6535 (*synth*)
Furuta, Y. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 827 (*pharmacol*)

Oxalinast, INN **O-00079**

[(1,2,6,7,8,8a-Hexahydro-2-oxo-3-acenaphthylenyl)-amino]oxoacetic acid, *9CI*. *AX 36-080*

[70009-66-4]



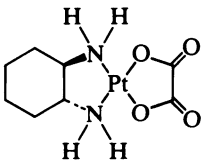
$C_{14}H_{13}NO_4$ M 259.261

Antiasthmatic. Mp 208-210°.

Japan. Pat., 79 12 360, (*1979*); *CA*, **90**, 168365 (*synth*)

Oxaliplatin, INN **O-00080**

(1,2-Cyclohexanediamine-N,N′)[ethanedioato(2−)-O,O′]platinum, *9CI*



(*1R,2R*)-*form*

$C_8H_{14}N_2O_4Pt$ M 397.290

(***1R,2R*)-*form*** [61825-94-3]

IOHP

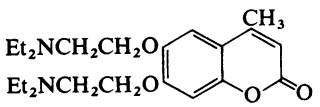
Antineoplastic agent.

Kidani, Y. *et al*, *J. Med. Chem.*, 1978, **21**, 1315; 1981, **24**, 508 (*synth, pharmacol*)
Speer, R.J. *et al*, *J. Clin. Hematol. Oncol.*, 1981, **11**, 47 (*pharmacol*)
Bruck, M.A. *et al*, *Inorg. Chim. Acta*, 1984, **92**, 279 (*cryst struct*)

Oxamarin, INN **O-00081**

6,7-Bis[2-(diethylamino)ethoxy]-4-methyl-2H-1-benzopyran-2-one, *9CI*. *6,7-Bis[2-(diethylamino)ethoxy]-4-methylcoumarin*, *8CI*

[15301-80-1]



$C_{22}H_{34}N_2O_4$ M 390.522

Haemostatic agent.

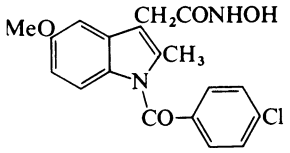
B,2HCl: [6830-17-7]. *Oxamarin hydrochloride*, *USAN*. *M.G. 652. Idro P₃*. Mp 224-226°.

Massarini, E., *Farmaco, Ed. Sci.*, 1957, **12**, 691 (*synth, pharmacol, deriv*)
Massarini, E., *J. Med. Pharm. Chem.*, 1961, **3**, 231 (*synth, pharmacol*)
Riva, M. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 921 (*pharmacol*)

Oxametacin, INN **O-00082**

1-(4-Chlorobenzoyl)-N-hydroxy-5-methoxy-2-methyl-1H-indole-3-acetamide, *9CI*. *1-(p-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetohydroxamic acid*, *8CI*. *Indoxamic acid*. *Dinulcid*. *Flogar*. *Restid*. *ABC 8/3*

[27035-30-9]



$C_{19}H_{17}ClN_2O_4$ M 372.807

Antiinflammatory agent. Cryst. (dioxan). Mp 181-182° dec.

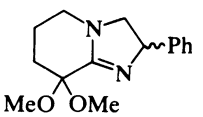
▷NL3668500.

Fr. Pat., 1 579 495, (*1969*); *CA*, **73**, 3797h (*synth, pharmacol*)
De Martiis, F. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 309, 319 (*synth, pharmacol*)
Elsom, L.F. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1155.
Franzone, J.S. *et al*, *Int. J. Tissue React.*, 1979, **1**, 147 (*pharmacol*)
Polderman, J. *et al*, *J. Int. Med. Res.*, 1980, **8**, 156 (*pharmacol*)
Vergin, H. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 513 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13052.

Oxamisole, INN **O-00083**

2,3,5,6,7,8-Hexahydro-8,8-dimethoxy-2-phenylimidazo[1,2-a]pyridine, *9CI*. *PR 879-317A*

[99258-56-7]



$C_{15}H_{20}N_2O_2$ M 260.335

(±)-***form***

Immunomodulator, antiviral agent.

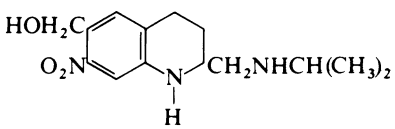
B,HCl: Oxamisole hydrochloride, *USAN*. Amorph. powder. Mp 186-188°.

Eur. Pat., 150 255, (*1985*); *CA*, **103**, 215281y (*synth*)
Sidwell, R.W. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 1130 (*pharmacol*)
Warren, R.P. *et al*, *Int. J. Immunopharmacol.*, 1987, **9**, 919 (*pharmacol*)

Oxamniquine, BAN, USAN, INN **O-00084**

1,2,3,4-Tetrahydro-2-[[(1-methylethyl)amino]methyl]-7-nitro-6-quinolinemethanol, *9CI*. *1,2,3,4-Tetrahydro-2-[(isopropylamino)methyl]-7-nitro-6-quinolinemethanol*, *8CI*. *Mansil*. *Vancil*. *Vansil*. *UK 4271*

[21738-42-1]



$C_{14}H_{21}N_3O_3$ M 279.338

Antischistosomal. Light-orange powder. Sl. sol. H_2O. Mp 151-152°.

▷VC0340000.

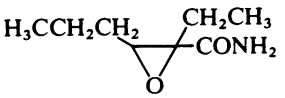
Baxter, C.A.R. *et al*, *J. Med. Chem.*, 1971, **14**, 1033 (*synth, pharmacol*)
Fripp, P.J., *J. Trop. Med. Hyg.*, 1973, **76**, 316 (*pharmacol*)

Richards, H.C., *Chemistry in Britain*, 1985, **21**, 1001 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 795.

Oxanamide, INN O-00085

2-Ethyl-3-propyloxiranecarboxamide, 9CI. 2,3-Epoxy-2-ethylhexanamide, 8CI. 2-Ethyl-3-propyl-2,3-epoxypropionamide. Oxamid. Quiactin

[126-93-2]



$C_8H_{15}NO_2$ M 157.212
Tranquilliser. Cryst. (pet. ether). Mp 90-91°.

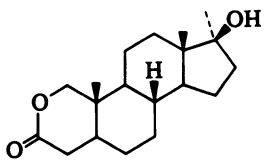
▷MN8050000.

Warren, M.R. *et al*, *J. Pharmacol. Exp. Ther.*, 1949, **96**, 209 (*pharmacol*)
Kuhn, W.L. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1960, **103**, 101 (*pharmacol*)
Wheeler, K.W. *et al*, *J. Org. Chem.*, 1960, **25**, 1021 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7075.

Oxandrolone, BAN, USAN, INN, JAN O-00086

17β-Hydroxy-17α-methyl-2-oxa-5α-androstan-3-one. Anavar. Antitriol. Lipidex. Lonavar. Lonovar. Protivar. Vasorome. CB 8075. NSC 67068. SC 11585

[53-39-4]



$C_{19}H_{30}O_3$ M 306.444
Anabolic steroid. Mp 235-238°. $[\alpha]_D^{25}$ −23°.

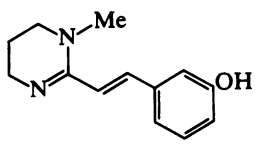
▷RN6800700.

Pappo, R. *et al*, *Tetrahedron Lett.*, 1962, 365 (*synth*)
Hara, S., *Chem. Pharm. Bull.*, 1964, **12**, 1531 (*synth*)
Lennon, H.D. *et al*, *Steroids*, 1964, **4**, 689 (*pharmacol*)
U.S.P., 3 155 684, (*1965*); *CA*, **62**, 1717 (*synth*)
Boris, A. *et al*, *Steroids*, 1970, **15**, 61 (*pharmacol*)
Rendle, D.F. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1975, 1361 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9093.

Oxantel, BAN, INN O-00087

3-[2-(1,4,5,6-Tetrahydro-1-methyl-2-pyrimidinyl)-ethenyl]phenol, 9CI

[36531-26-7]



$C_{13}H_{16}N_2O$ M 216.282
Anthelmintic.

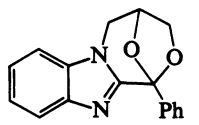
B,HCl: [34834-86-1]. Cryst. (EtOH). Mp 207-208°.
4,4'-Methylenebis[3-hydroxy-2-naphthoate] salt (1:1): [68813-55-8]. *Oxantel embonate, BAN, INN. Oxantel pamoate, USAN. Telopar. CP 14445-16.* Mixt. with Pyrantel embonate is known as Quantrel.

Howes, H.L., *Proc. Soc. Exp. Biol. Med.*, 1972, **139**, 394 (*props*)
McFarland, J.W. *et al*, *J. Med. Chem.*, 1972, **15**, 365 (*synth, props*)
Sinniah, B. *et al*, *Ann. Trop. Med. Parasitol.*, 1981, **75**, 315 (*Quantrel*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 796.

Oxapadol, INN O-00088

4,5-Dihydro-1-phenyl-1,4-epoxy-1H,3H-[1,4]-oxazepino[4,3-a]benzimidazole, 9CI. MD720111

[56969-22-3]

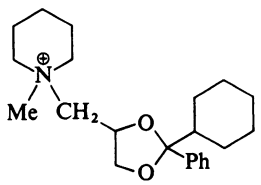


$C_{17}H_{14}N_2O_2$ M 278.310
Antipyretic, analgesic, antiinflammatory agent. Cryst. (2-propanol). Mp 157°.

Ger. Pat., 2 444 194, (*1975*); *CA*, **83**, 114426n (*synth, pharmacol*)
Mocquet, G. *et al*, *Experientia*, 1980, **36**, 96 (*pharmacol*)
Ancher, J.F. *et al*, *Xenobiotica*, 1981, **11**, 519 (*metab*)

Oxapium(1+) O-00089

1-[(2-Cyclohexyl-2-phenyl-1,3-dioxolan-4-yl)methyl]-1-methylpiperidinium(1+), 9CI



$C_{22}H_{34}NO_2^{\oplus}$ M 344.516 (ion)
2 Stereoisomers known. Spasmolytic agent.

α-form

Iodide: [6577-41-9]. *Oxapium iodide, INN. Cyclonium iodide, JAN. Allyproid. Esperan. Oxaperan. SH 100.*
$C_{22}H_{34}INO_2$ M 471.421
Mp 195-197°.

▷TN4750000.

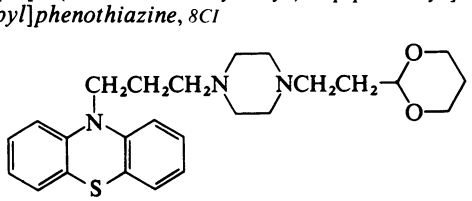
β-form

Iodide: [27795-77-3]. Mp 150-152°.

Kimura, M. *et al*, *Japan. J. Pharmacol.*, 1968, **18**, 218 (*synth, pharmacol*)
Murata, T. *et al*, *Oyo Yakuri*, 1970, **4**, 25 (*metab*)
Wolinski, J. *et al*, *Acta Pol. Pharm.*, 1977, **34**, 143 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13053.

Oxaprazine O-00090

10-[3-[4-(2-m-Dioxan-2-ylethyl)-1-piperazinyl]-propyl]phenothiazine, 8CI



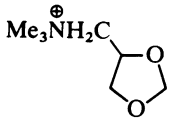
$C_{25}H_{33}N_3O_2S$ M 439.615
Tranquilliser. Mp 98-101°.

Succinate: [7564-03-6]. *SD 270-07.* Mp 138-140°.

Netherlands Pat., 6 508 319, (*1965*); *CA*, **65**, 13736c (*synth, pharmacol*)
Ratouis, R. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 2963 (*synth*)
Boissier, J.R. *et al*, *Therapie*, 1967, **22**, 375 (*pharmacol*)

Oxapropanium(1+) O-00091

N,N,N-*Trimethyl-1,3-dioxolane-4-methanaminium*, *9CI*. (*1,3-Dioxolan-4-ylmethyl*)*trimethylammonium*, *8CI*
[5818-18-8]



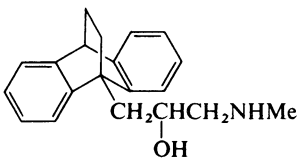
$C_7H_{16}NO_2^{\oplus}$ M 146.209 (ion)
Cholinergic agent. Bp_{21} 68°.

Iodide: [541-66-2]. *Oxapropanium iodide*, *INN*. *Dilvasene. 2249 F.*
$C_7H_{16}INO_2$ M 273.113
Cryst. Mp 158-160°.
▷BQ2700000.

U.S.P., 2 445 393, (*1948*); *CA*, **42**, 8827a (*synth*)
van Rossum, J.M. *et al*, *Arch. Int. Pharmacodyn.*, 1959, **118**, 393, 418 (*pharmacol*)
Triggle, D.J. *et al*, *Can. J. Chem.*, 1962, **40**, 1201 (*synth, isomers, pharmacol*)
Jim, K. *et al*, *Can. J. Physiol. Pharmacol.*, 1982, **60**, 1707 (*activity*)
Takemura, S., *J. Pharmacobio.-Dyn.*, 1984, **7**, 436.

Oxaprotiline, INN O-00092

α-[(*Methylamino*)*methyl*]-*9,10-ethanoanthracene-9*(*10H*)-*ethanol*, *9CI*
[56433-44-4]



$C_{20}H_{23}NO$ M 293.408

(*R*)-*form* [76496-68-9]
Levoprotiline, INN. *Levoxaprotiline. CGP 12103A*
Antidepressant. Cryst. (Et_2O). Mp 107-108°. $[\alpha]_D^{20}$ −9.1° (c, 1.01 in MeOH).

B,HCl: [76496-69-0]. Mp 231-232°. $[\alpha]_D^{20}$ −9° (c, 1.37 in MeOH).

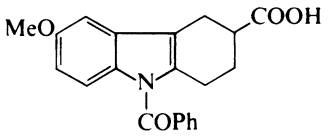
(±)-*form* [76437-37-1]
Antidepressant.

B,HCl: [39022-39-4]. *Oxaprotiline hydrochloride*, *USAN*. *C-49802B-Ba*. Mp 237-239°.

Swiss Pat., 558 774, (*1975*); *CA*, **83**, 96859z (*synth, pharmacol*)
Eur. Pat., 14 433, (*1980*); *CA*, **94**, 103073 (*synth, resoln*)
Mishra, R. *et al*, *Life Sci.*, 1982, **30**, 1747 (*pharmacol*)
Schmidlin, O. *et al*, *Br. J. Clin. Pharmacol.*, 1982, **14**, 799 (*pharmacol*)
Dieterle, W. *et al*, *Biopharm. Drug Dispos.*, 1984, **5**, 377 (*pharmacol*)
Delini-Stula, A. *et al*, *Neuropharmacology*, 1988, **27**, 943 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13054.

Oxarbazole, USAN, INN O-00093

9-Benzoyl-2,3,4,9-tetrahydro-6-methoxy-1H-carbazole-3-carboxylic acid, *9CI*. *Win 34284*
[35578-20-2]



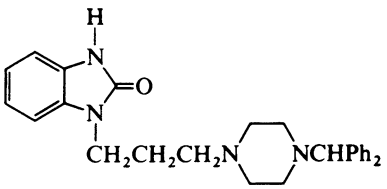
$C_{21}H_{19}NO_4$ M 349.385

(±)-*form*
Antiasthmatic, antiinflammatory drug. Cryst. (MeOH). Mp 218-220°.

U.S.P., 3 948 939, (*1976*); *CA*, **85**, 46382j (*synth, pharmacol*)
Benziger, D. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 8 (*metab*)
Mielens, Z.E., *Pharmacology*, 1978, **17**, 323 (*pharmacol*)

Oxatomide, BAN, INN, USAN O-00094

1-[3-[4-(Diphenylmethyl)-1-piperazinyl]propyl]-1,3-dihydro-2H-benzimidazol-2-one, *9CI*. *Oxatimide. Cenacert. Fensedyl. Tinset. Truxa. KW 4354. McN-JR 35443. R 35443*

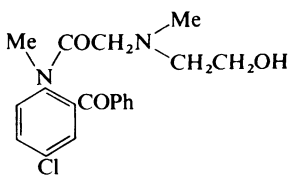


$C_{27}H_{30}N_4O$ M 426.560
Antihistamine. Mp 153.6°.

Awouters, F. *et al*, *Experientia*, 1977, **33**, 1657 (*pharmacol, rev*)
Ger. Pat., 2 714 437, (*1977*); *CA*, **88**, 50920n (*synth, pharmacol*)
Meuldermans, W. *et al*, *Xenobiotica*, 1984, **14**, 445 (*metab*)
Richards, D.M. *et al*, *Drugs*, 1984, **27**, 210 (*rev, pharmacol*)
Gomez-Parra, V. *et al*, *Monatsh. Chem.*, 1985, **116**, 639 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13056.

Oxazafone, INN O-00095

N-(*2-Benzoyl-4-chlorophenyl*)-*2*-[(*2-hydroxyethyl*)*methylamino*]-N-*methylacetamide*, *9CI*. *2'-Benzoyl-4'-chloro-2*-[(*2-hydroxyethyl*)*methylamino*]-N-*methylacetanilide*
[70541-17-2]



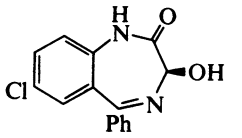
$C_{19}H_{21}ClN_2O_3$ M 360.840
Anticonvulsant, anxiolytic agent.

Japan. Pat., 79 36 238, (*1979*); *CA*, **91**, 20092p (*synth, pharmacol, tox*)

Oxazepam, BAN, USAN, INN, JAN **O-00096**

7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl-2H-1,4-benzodiazepin-2-one, 9CI, 8CI. *Serax. Serenid-D. Numerous proprietary names*

[604-75-1]



(*R*)-*form* Absolute configuration

$C_{15}H_{11}ClN_2O_2$ M 286.717

▷DF1400000.

(*S*)-*form*

Na salt: $[\alpha]_D^{20}$ +534° (c, 0.5 in DMF). Rapidly racemised by H_2O.

(±)-*form* [35295-88-6]

Minor tranquilliser. Cryst. (EtOH). Mp 205-206°.

N-*Me:* [846-50-4]. ***Temazepam,*** BAN, USAN, ***INN.*** *Numerous proprietary names.*

$C_{16}H_{13}ClN_2O_2$ M 300.744

Minor tranquilliser, anticonvulsant, hypnotic. Cryst. (cyclohexane). Mp 119-121°.

▷DF1225000.

Dimethyl carbamate: see Camazepam, C-00019

2,2-Dimethylpropanoate: see Pivoxazepam, P-00367

Bell, S.C. *et al, J. Org. Chem.*, 1962, **27**, 1691 (*synth, deriv*)

Sadee, W., *J. Med. Chem.*, 1970, **13**, 475 (*ms*)

Corbella, A. *et al, J. Chem. Soc., Chem. Commun.*, 1973, 721 (*abs config*)

Garattini, S. *et al, Benzodiazepines*, 1973, Raven Press, 75 (*pharmacol*)

Shearer, C.M. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 441 (*rev*)

Levillain, P. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv, struct*)

Chinnery, R. *et al*, Eds., *Acta Psychiatr. Scand. Suppl.*, Munksgaard, Copenhagen, 1978, Vol. 274 (*book*)

Gilli, G. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 2826 (*cryst struct*)

Kovac, T. *et al, J. Heterocycl. Chem.*, 1979, **16**, 1449 (*synth*)

Blaschke, G. *et al, Chem. Ber.*, 1980, **113**, 2031 (*resoln*)

Galdecki, Z. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 3044 (*Temazepam*)

Heel, R.C. *et al, Drugs*, 1981, **21**, 321 (*Temazepam*)

McElnay, J.C. *et al, Drug Intell. Clin. Pharm.*, 1982, **16**, 650 (*Temazepam*)

Scahill, T.A. *et al, Org. Magn. Reson.*, 1983, **21**, 621 (*N-15 nmr*)

Scahill, T.A. *et al, Magn. Reson. Chem.*, 1985, **23**, 280 (*cmr, pmr*)

Blaschke, G. *et al, Angew. Chem., Int. Ed. Engl.*, 1986, **25**, 830 (*resoln*)

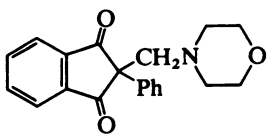
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3420, 3846 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4072, 7076.

Oxazidione, INN **O-00097**

2-(4-Morpholinylmethyl)-2-phenyl-1H-indene-1,3(2H)-dione, 9CI. *2-(Morpholinomethyl)-2-phenyl-1,3-indanedione. Amplidione. LD 4610. Mofedione. Transidione*

[27591-42-0]



$C_{20}H_{19}NO_3$ M 321.375

Anticoagulant. Mp 88°.

▷NK6020000.

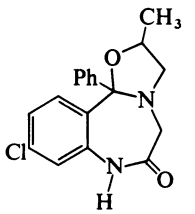
B,HCl: [27591-43-1]. Mp 150°.

South African Pat., 6 902 814, (*1969*); *CA*, **72**, 111159q (*synth, metab*)

Oxazolam, INN, JAN **O-00098**

10-Chloro-2,3,7,11b-tetrahydro-2-methyl-11b-phenyloxazolo[3,2-d][1,4]benzodiazepin-6(5H)-one, 8CI. *Convertal. Hializan. Oxazolazepam. Quiadon. Serenal. CS 300. EMD 33400*

[24143-17-7]



$C_{18}H_{17}ClN_2O_2$ M 328.798

Tranquilliser. Mp 186-188°.

▷DF2800000.

Miyadera, T. *et al, J. Med. Chem.*, 1971, **14**, 520 (*synth, pharmacol*)

Shindo, H. *et al, Chem. Pharm. Bull.*, 1971, **19**, 60, 1929 (*metab*)

Alonso, R.H. *et al, Boll. Chim. Farm.*, 1985, **124**, 46 (*pmr, ms*)

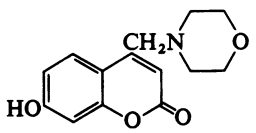
Nakatsuka, I. *et al, Life Sci.*, 1985, **36**, 113 (*pharmacol*)

Blaschke, G. *et al, Angew. Chem., Int. Ed. Engl.*, 1986, **25**, 830 (*resoln*)

Oxazorone, INN **O-00099**

7-Hydroxy-4-(4-morpholinomethyl)-2H-1-benzopyran-2-one. 7-Hydroxy-4-(morpholinomethyl)coumarin, 8CI

[25392-50-1]



$C_{14}H_{15}NO_4$ M 261.277

Choleretic agent. Mp 145°.

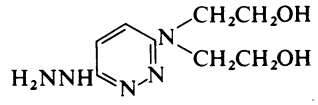
B,HCl: [25392-49-8]. Mp 235° dec.

Ger. Pat., 1 929 839, (*1969*); *CA*, **72**, 66823p (*synth, pharmacol*)

Oxdralazine, INN **O-00100**

2,2'-[(6-Hydrazino-3-pyridazinyl)imino]diethanol, 9CI, 8CI. *3-Hydrazino-6-[N,N-bis(2-hydroxyethyl)amino]-pyridazine*

[17259-75-5]



$C_8H_{15}N_5O_2$ M 213.239

Vasodilator, antihypertensive agent.

B,2BCl: [27464-23-9]. *Minoten. DL 150* IT. *L 6150.* Mp 187.5-188.5°.

Netherlands Pat., 6 613 834, (*1967*); *CA*, **68**, 59598h (*synth, pharmacol*)

Sardi, A. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1973, **279**, 301 (*pharmacol*)

De Ponti, C. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 2089 (*pharmacol*)
Szilagyi, G. *et al*, *Synth. Commun.*, 1981, **11**, 835 (*synth*)
Szilagyi, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 111 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13057.

Oxeladin, BAN, INN **O-00101**

Benzeneacetic acid α,α-diethyl-2-[(2-diethylamino)-ethoxy]ethyl ester, 9CI. *2-(2-Diethylaminoethoxy)ethyl 2-ethyl-2-phenylbutyrate. Numerous proprietary names*

[468-61-1]

$(H_3CCH_2)_2CPhCOOCH_2CH_2OCH_2CH_2NEt_2$

$C_{20}H_{33}NO_3$ M 335.486

Antitussive. Yellow oil. $Bp_{0.5}$ 150°, $Bp_{0.1}$ 140°.

▷ET1750000.

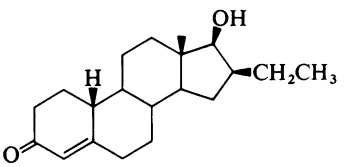
Citrate (1:1): [52432-72-1]. Small needles (EtOAc). Mp 90-91°.

David, A. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 446 (*pharmacol*)
Petrow, V. *et al*, *J. Pharm. Pharmcol.*, 1958, **10**, 40 (*synth*)
U.S.P., 2 885 404, (*1961*); *CA*, **55**, 18670
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5978 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5627.

Oxendolone, INN, USAN, JAN **O-00102**

16β-Ethyl-17β-hydroxyestr-4-en-3-one, 9CI. *Prostetin. Roxenone. TSAA-291*

[33765-68-3]



$C_{20}H_{30}O_2$ M 302.456

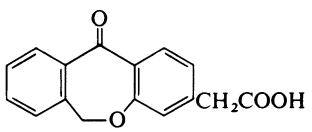
Antiandrogen used for treatment of prostatic adenoma. Hair growth promoter. Mp 152-153°.

Yoshioka, K. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 3203 (*synth*)
Goto, G. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1718 (*synth, pharmacol*)
Masuoka, M. *et al*, *Acta Endocrinol. Suppl.*, 1979, **92**, 1 (*revs*)
Midgley, I. *et al*, *Steroids*, 1983, **41**, 521 (*metab*)
Goto, G. *et al*, *CA*, 1984, **100**, 85983 (*synth*)

Oxepinac, INN **O-00103**

6,11-Dihydro-11-oxodibenz[b,e]*oxepin-3-acetic acid,* 9CI

[55689-65-1]



$C_{16}H_{12}O_4$ M 268.268

Antiinflammatory, analgesic, antipyretic agent. Cryst. (EtOAc). Mp 110.5-111.5°.

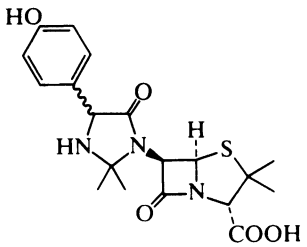
▷HQ4120000.

Ueno, K. *et al*, *J. Med. Chem.*, 1976, **19**, 941 (*synth, pharmacol*)
Tsukada, W. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 428, 439, 456 (*pharmacol*)
Cerelli, M.J. *et al*, *J. Med. Chem.*, 1986, **29**, 2347 (*pharmacol*)

Oxetacillin, INN **O-00104**

6-[4-(4-Hydroxyphenyl)-2,2-dimethyl-5-oxo-1-imidazolidinyl]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI. *LH 380*

[53861-02-2]



$C_{19}H_{23}N_3O_5S$ M 405.468

Antibiotic. Mp 198° dec.

B,HCl: [27467-46-5]. Mp 100-102°. Dec. at 188-190°.

Methoxymethyl ester: [67337-44-4]. ***Sarmoxicillin, INN.*** *BL-P 1780.*

$C_{21}H_{27}N_3O_6S$ M 449.521

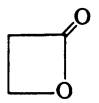
Prodrug of Amoxycillin, A-00364 with good bioavailability and clin. potential. Cryst. pK_{a1} 7.4, pK_{a2} 9.6.

B.P., 1 224 619, (*1971*); *CA*, **74**, 141783 (*synth, pharmacol*)
U.S.P., 4 185 015, (*1980*); *CA*, **92**, 181174 (*deriv*)
Smyth, R.D. *et al*, *Antimicrob. Agents Chemother.*, 1981, **19**, 1004 (*deriv*)

2-Oxetanone, 9CI **O-00105**

Propiolactone, *BAN, USAN, INN. β-Propiolactone. Betaprone. Propanolide. NSC 21626*

[57-57-8]



$C_3H_4O_2$ M 72.063

Bactericide, fungicide and virucide, disinfectant. Reactive synthetic intermed. Liq. Sol. H_2O. Mp −33.4°. Bp 162° dec., Bp_{20} 61°, Bp_{10} 51°. Gives acid soln.

▷Highly toxic and irritant, suspected human carcinogen. TLV 1.5. RQ7350000.

Johansson, H., *CA*, 1917, **11**, 2576.
U.S.P., 2 356 459, (*1944*); *CA*, **39**, 88 (*synth*)
Abraham, R.J. *et al*, *J. Chem. Soc.* (*B*), 1968, 173 (*pmr*)
Ichikawa, Y. *et al*, *CA*, 1974, **80**, 44722t (*use*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 957.
Stille, J.K. *et al*, *J. Organomet. Chem.*, 1979, **169**, 239 (*synth*)
Lambert, J.B. *et al*, *J. Org. Chem.*, 1983, **48**, 3982 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2273.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 881, 939.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 460.

Oxethazaine, BAN, USAN **O-00106**

2,2'-[(2-Hydroxyethyl)imino]bis[N-(*1,1-dimethyl-2-phenylethyl*)-N-*methylacetamide*], 9CI. *2-Di*[(α,α,N-*trimethylphenethylcarbamoyl*)*methyl*]*aminoethanol.* ***Oxetacaine, INN.*** *Emoren. Robercaine* R. *Topicain. Wy 806*

[126-27-2]

$[PhCH_2C(CH_3)_2NMeCOCH_2]_2NCH_2CH_2OH$

$C_{28}H_{41}N_3O_3$ M 467.650

Local anaesthetic. Cryst. (C_6H_6/hexane). Mp 104-104.5°.

▷AC3325000.

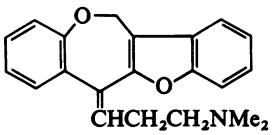
B,HCl: Cryst. Mp 146-147°.

Israeli Pat., 10 062, (*1958*); *CA*, **52**, 15569
U.S.P., 2 780 646, (*1958*); *CA*, **52**, 422
Seifter, J. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1962, **109**, 664 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7638.

Oxetorone, INN O-00107

3-Benzofuro[3,2-c][1]benzoxepin-6(12H)-ylidene-N,N-dimethyl-1-propanamine, *9CI*. *N,N-Dimethylbenzofuro[3,2-c][1]benzoxepin-$\Delta^{6(12H),\gamma}$-propylamine*, *8CI*

[26020-55-3]



$C_{21}H_{21}NO_2$ M 319.402

Analgesic, used in treatment of migraine.

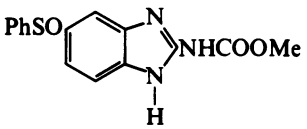
Fumarate (1:1): [34522-46-8]. *Oxetorone fumarate*, *USAN*. *Nocertone*. *Oxedix*. *L 6257*. Cryst. (2-propanol). Mp 160°.

Fr. Pat., 2 026 686, (*1970*); *CA*, **75**, 5874w (*synth, pharmacol*)
Aussems, G. *et al*, *Therapie*, 1971, **26**, 1135 (*pharmacol*)
Dufresne, J.J. *et al*, *Praxis*, 1978, **67**, 1148, 1323 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13059.

Oxfendazole, BAN, INN, USAN O-00108

[5-(Phenylsulfinyl)-1H-benzimidazol-2-yl]carbamic acid methyl ester, *9CI*. *Benzelmin*. *Nanthic*. *Synanthic*. *Systamex*. *RS 8858*

[53716-50-0]



$C_{15}H_{13}N_3O_3S$ M 315.346

Anthelmintic. Cryst. ($MeOH/CHCl_3$). Mp 253° dec.

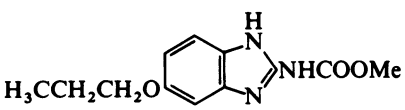
▷FD0808000.

Averkin, E.A. *et al*, *J. Med. Chem.*, 1975, **18**, 1164 (*synth, pharmacol*)
Bogan, J.A., *Med. Actual*, 1979, **15**, 98 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13060.

Oxibendazole, BAN, INN, USAN O-00109

(5-Propoxy-1H-benzimidazol-2-yl)carbamic acid methyl ester, *9CI*. *5-Propoxy-2-benzimidazolecarbamic acid methyl ester*, *8CI*. *Anthelcide Eq*. *Equitac*. *Loditac*. *Rycovet*. *SKF 30310*

[20559-55-1]



$C_{12}H_{15}N_3O_3$ M 249.269

Anthelmintic. Mp 230-230.5°.

▷DD6520600.

B.P., 1 123 317, (*1968*); *CA*, **69**, 96722k (*synth, pharmacol*)
Theodorides, V.J. *et al*, *Br. Vet. J.*, 1973, **129**, 97 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13062.

Oxibetaine, INN O-00110

N-(Carboxymethyl)-2-hydroxy-N,N-dimethylethanaminium hydroxide inner salt, *9CI*. *(Carboxymethyl)(2-hydroxyethyl)dimethylammonium hydroxide inner salt*. *N-(2-Hydroxyethyl)-N,N-dimethylglycine internal salt*. *Steatrope*. *Upotrope*

[7002-65-5]

$HOCH_2CH_2N^{\oplus}Me_2CH_2COO^{\ominus}$

$C_6H_{13}NO_3$ M 147.174

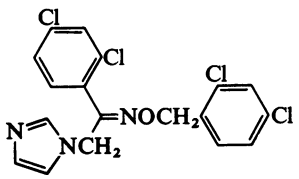
Lipotropic agent. Mp 165°.

Fr. Pat., M3163, (*1965*); *CA*, **64**, 9519c (*synth, pharmacol*)
Gaillard, R. *et al*, *Bull. Soc. Chim. Fr.*, 1974, **1-2**, 294 (*conformn, pmr*)
Witek, S. *et al*, *J. Prakt. Chem.*, 1980, **322**, 367 (*synth*)

Oxiconazole, BAN, INN O-00111

1-(2,4-Dichlorophenyl)-2-1H-imidazol-1-yl)ethanone O-[(2,4-dichlorophenyl)methyl]oxime, *9CI*. *2',4'-Dichloro-2-imidazol-1-ylacetophenone O-(2,4-dichlorobenzyl)oxime*. *Ro 13-8996/000*

[64211-45-6]



$C_{18}H_{13}Cl_4N_3O$ M 429.132

(Z)-form [64211-45-6]

Antifungal agent.

Nitrate: [64211-46-7]. *Ro 13-8996/001*. *Derimine*. *Myfungar*. *Oceral*. *Oxiconazole nitrate*, *USAN*. *Okinazole*. Cryst. (EtOH). Mp 139.5-140.5°.

Mixich, G. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1510 (*synth, nmr, pharmacol*)
Polak, A., *Arzneim.-Forsch.*, 1982, **32**, 17 (*pharmacol*)
Timm, U. *et al*, *J. Chromatogr.*, 1982, **229**, 110 (*hplc*)
Odds, F.C. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 105 (*props*)
Beggs, W.H., *J. Antimicrob. Chemother.*, 1985, **16**, 397 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16940.

Oxifentorex, INN O-00112

N,α-Dimethyl-N-(phenylmethyl)benzeneethanamine N-oxide, *9CI*. *N-Benzyl-N,α-dimethylphenethylamine N-oxide*, *8CI*

[4075-88-1]

$PhCH_2CH(CH_3)N(O)MeCH_2Ph$

$C_{17}H_{21}NO$ M 255.359

(+)-form

B,HCl: [34800-85-6]. Cryst. (EtOAc). Mp 113-115°. $[\alpha]_D^{20}$ +32° (c, 3 in H_2O).

(±)-form

CNS stimulant, anorectic agent. Liq. Bp_{14} 161°.

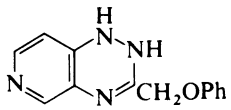
B,HCl: Mp 129-134°.

Lespagnol, A. *et al, Bull. Soc. Chim. Fr.*, 1963, 2744; 1971, 3306 (*synth*)

Oxifungin, INN **O-00113**

1,2-Dihydro-3-(phenoxymethyl)pyrido[3,4-e]-1,2,4-triazine, 9CI

[64057-48-3]



$C_{13}H_{12}N_4O$ M 240.264

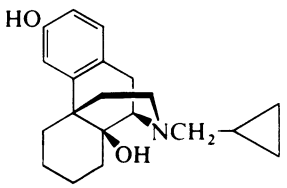
Antifungal agent.

B,HCl: [55242-74-5]. *Oxifungin hydrochloride,* USAN. *EU 3421.* Cryst. Mp 192-195° dec.

Ger. Pat., 2 427 377, (*1975*); *CA*, **82**, 171088g (*synth, pharmacol*)

Oxilorphan, USAN, INN **O-00114**

17-(Cyclopropylmethyl)morphinan-3,14-diol, 9CI



$C_{20}H_{27}NO_2$ M 313.439

▷QC7800000.

(−)-*form* [42281-59-4]

levo-*BC 2605*

Narcotic antagonist. Mp 173-175°. $[\alpha]_D$ −102.5° (c, 0.44 in $CHCl_3$).

▷QC7800000.

(±)-*form* [51491-04-4]

Mp 157-159°.

Monkovic, I. *et al, Can. J. Chem.*, 1975, **53**, 3094 (*synth, ir, pmr, resoln, pharmacol*)

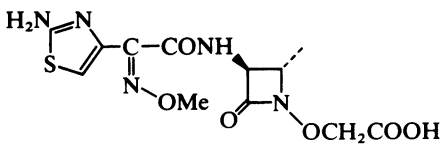
Pircio, A.W. *et al, J. Pharmacol. Exp. Ther.*, 1975, **193**, 23 (*pharmacol*)

Jasinski, D.R. *et al, Prob. Drug Depend.*, 1976, 112 (*pharmacol*)

Oximonam, INN, USAN **O-00115**

SQ 82291

[90898-90-1]



$C_{12}H_{15}N_5O_6S$ M 357.340

Monobactam. Antibiotic antibacterial agent.

Na salt: [90849-08-4]. *Oximonam sodium,* USAN. *SQ 82629.*

2-(1,1-Dimethylethoxy)-2-oxoethyl ester: [90850-05-8]. ***Gloximonam,*** INN, ***USAN***. *SQ 82531.*

$C_{18}H_{25}N_5O_8S$ M 471.484

Antibacterial agent.

Ger. Pat., 3 328 047, (*1984*); *CA*, **101**, 38265 (*synth, esters*)

Breuer, H. *et al, J. Antibiot.*, 1985, **38**, 813 (*props*)

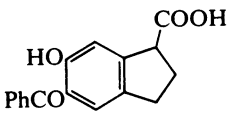
Woulfe, S.R. *et al, J. Med. Chem.*, 1985, **28**, 1447 (*synth, props*)

Boyd, D.B. *et al, J. Med. Chem.*, 1987, **30**, 528 (*pharmacol*)

Oxindanac, INN **O-00116**

5-Benzoyl-2,3-dihydro-6-hydroxy-1H-indene-1-carboxylic acid, 9CI. *CGP 6258*

[68548-99-2]



$C_{17}H_{14}O_4$ M 282.295

(±)-*form*

Antiinflammatory agent. Yellow platelets (EtOH/pet. ether). Mp 185-187°.

U.S.P., 4 057 573, (*1977*); *CA*, **90**, 6144e (*synth, pharmacol*)

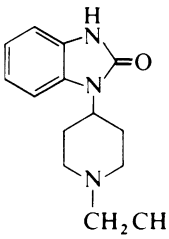
Francotte, R. *et al, J. Chromatogr.*, 1985, **346**, 321 (*resoln*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2876.

Oxiperomide, USAN, INN **O-00117**

1,3-Dihydro-1-[1-(2-phenoxyethyl)-4-piperidinyl]-2H-benzimidazol-2-one, 9CI. *1-[1-(2-Phenoxyethyl)-4-piperidyl]-2-benzimidazolinone. Peromide. R 4714*

[5322-53-2]



$C_{20}H_{23}N_3O_2$ M 337.421

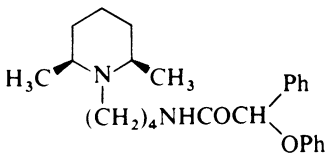
Tranquilliser. Neuroleptic. Mp 169-170.6°.

U.S.P., 3 225 052, (*1965*); *CA*, **64**, 8194b (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13064.

Oxiramide, USAN, INN **O-00118**

N-[4-(2,6-Dimethyl-1-piperidinyl)butyl]-α-phenoxybenzeneacetamide, 9CI. *Oxfenamide. CI 661*



$C_{25}H_{34}N_2O_2$ M 394.556

***cis*-form** [13958-40-2]

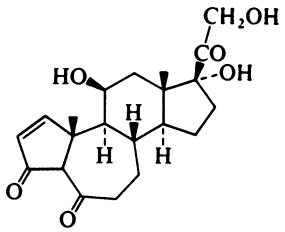
Antiarrhythmic agent. Mp 81-83°.

Netherlands Pat., 6 605 452, (*1966*); *CA*, **66**, 104914e (*synth, pharmacol*)

Oxisopred, INN **O-00119**

11β,17,21-Trihydroxy-B-homo-A-norpregn-1-ene-3,6,20-trione, 8CI

[18118-80-4]



$C_{21}H_{28}O_6$ M 376.449

Corticosteroid. Cryst. (EtOAc/cyclohexane). Mp 226-228°.

Netherlands Pat., 6 609 634, (*1967*); *CA*, **68**, 105463 (*synth*)

Oxisuran, INN, USAN **O-00120**

2-(Methylsulfinyl)-1-(2-pyridinyl)ethanone, 9CI. *(Methylsulfinyl)methyl-2 pyridyl ketone,* 8CI. *2-[(Methylsulfinyl)acetyl]pyridine. W 6495*

[27302-90-5]



$C_8H_9NO_2S$ M 183.225

Antineoplastic, immunosuppressive drug.

▷UT6150000.

Ger. Pat., 1 955 682, (*1970*); *CA*, **73**, 35225m (*synth, pharmacol*)

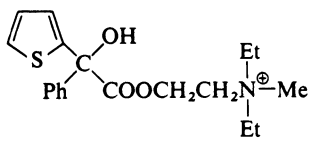
Crew, M.C. *et al*, *Clin. Pharmacol. Ther.*, 1973, **14**, 1013 (*metab*)

Husberg, B. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1974, **145**, 669 (*pharmacol*)

Karle, I.L., *Acta Crystallogr., Sect. B*, 1974, **30**, 527 (*cryst struct*)

Oxitefonium(1+) **O-00121**

N,N-*Diethyl-2-[(hydroxyphenyl-2-thienylacetyl)oxy]-N-methylethanaminium,* 9CI. *Diethyl(2-hydroxyethyl)-methylammonium α-phenyl-2-thiopheneglycolate*



$C_{19}H_{26}NO_3S^{\oplus}$ M 348.479 (ion)

(±)-*form*

Choleretic, anticholinergic, antispasmodic agent.

Bromide: [17692-63-6]. *Oxitefonium bromide,* INN. *Nibitor. F 70.*

$C_{19}H_{26}BrNO_3S$ M 428.383

Mp 141-142°.

▷BP7627000.

Feldkamp, R.F. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 4012 (*synth, props*)

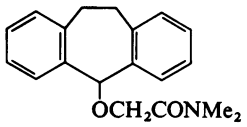
Campaigne, E.E. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2702 (*synth, props*)

Dornier, R., *Ann. Med. Nancy*, 1969, **8**, 301 (*pharmacol*)

Oxitriptyline, INN **O-00122**

2-[(10,11-Dihydro-5H-dibenzo[a,d]cycloheptен-5-yl)-oxy]-N,N-dimethylacetamide, 8CI. *BS 7679. E 26*

[29541-85-3]



$C_{19}H_{21}NO_2$ M 295.380

Anticonvulsant. Mp 83-85°.

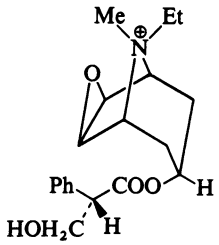
▷HO8320000.

Hespe, W. *et al*, *J. Labelled Compds.*, 1966, **2**, 193 (*synth*)

Funcke, A.B.H. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1896 (*pharmacol*)

Oxitropium(1+) **O-00123**

9-Ethyl-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane, 9CI. *8-Ethyl-3-tropoyloxy-6,7-epoxytropanium(1+)*



Absolute configuration

$C_{19}H_{26}NO_4^{\oplus}$ M 332.419 (ion)

Anticholinergic agent, bronchodilator.

Bromide: [30286-75-0]. *Oxitropium bromide,* BAN, USAN, INN. *Scopolamine ethobromide. Tersigat. BA 253.*

$C_{19}H_{26}BrNO_4$ M 412.323

Mp 203-204°. $[\alpha]_D^{21}$ −21° (c, 2.0 in H_2O).

▷RN7090000.

Iodide: [17812-50-9].

U.S.P., 3 472 861, (*1969*); *CA*, **74**, 22811v (*synth*)

Barlow, R.B. *et al*, *J. Med. Chem.*, 1973, **16**, 439 (*synth, pharmacol, iodide*)

Beumer, H.M. *et al*, *Int. J. Clin. Pharmacol. Exp. Toxicol.*, 1981, **19**, 168 (*pharmacol*)

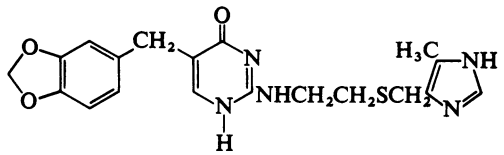
Pook, K.H. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 217, 255, 435 (*synth, pharmacol, metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13065.

Oxmetidine, BAN, INN **O-00124**

5-(1,3-Benzodioxol-5-ylmethyl)-2-[[2-[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]amino]-4(1H)-pyrimidinone, 9CI. *2-[2-(5-Methyl-4-imidazolylmethylthio)-ethylamino]-5-piperonyl-4(1H)pyrimidone*

[72830-39-8]



$C_{19}H_{21}N_5O_3S$ M 399.467

Histamine H_2-receptor antagonist (antiulcer, antihistamine agent).

B,2HCl: [63204-23-9]. *Oxmetidine hydrochloride,* USAN. *SKF 92994.* Cryst. (EtOH). Mp 232-236°.

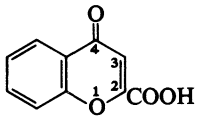
B,2MeSO$_3$H: [84455-52-7]. *Oxmetidine mesylate, USAN.* Cryst. (propanol). Mp 174-177°.

Eur. Pat., 4 793, (*1979*); *CA*, **92**, 94426t (*synth, pharmacol*)
Bertaccini, C. *et al*, *Br. J. Pharmacol.*, 1982, **77**, 443 (*pharmacol*)
Eur. Pat., 67 579, (*1982*); *CA*, **98**, 179402f (*synth, deriv*)
McDowell, R.D. *et al*, *J. Chromatogr.*, 1984, **305**, 214 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13066.

4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, 9CI, 8CI O-00125

Chromone-2-carboxylic acid. ***Chromocarb, INN.*** *Atremon*

[4940-39-0]



$C_{10}H_6O_4$ M 190.155
Medicinal intermediate, spasmolytic agent. Cryst. (EtOH). Spar. sol. H_2O, insol. Et_2O, CS_2. Mp 260° dec.

Me ester: [18398-73-7].
$C_{11}H_8O_4$ M 204.182
Needles (MeOH). Mp 122-123°.

Et ester: [14736-31-3].
$C_{12}H_{10}O_4$ M 218.209
Needles (EtOH). Mp 69-70° (64-65°).

Chloride: [5112-47-0].
$C_{10}H_5ClO_3$ M 208.601
Cryst. (pet. ether or C_6H_6). Mp 108-109° (106°).

Amide: [33543-89-4].
$C_{10}H_7NO_3$ M 189.170
Yellow prisms (H_2O or EtOH). Mp 250-251° (softens 230°).

Anilide: [3845-16-7].
$C_{16}H_{11}NO_3$ M 265.268
Cryst. (EtOH). Mp 225°.

Nitrile: [33543-90-7]. *2-Cyanochromone.*
$C_{10}H_5NO_2$ M 171.155
Cryst. (EtOH aq.). Mp 129-130°.

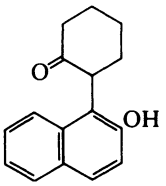
Diethylamine salt: [23915-80-2]. *Angioftal. Fludarene. Vitarel.* Antihaemorrhagic.

Ruhemann, S. *et al*, *J. Chem. Soc.*, 1900, **77**, 1179; 1901, **79**, 470 (*synth*)
Zagorevskii, V.A. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 2469; *Chem. Heterocycl. Comp. (USSR)*, 1967, **3**, 786 (*synth*)
Tronche, P. *et al*, *Ann. Pharm. Fr.*, 1965, **23**, 573 (*derivs*)
Barker, G. *et al*, *Org. Mass Spectrom.*, 1971, **5**, 857 (*ms*)
Griffiths, P.J.F. *et al*, *Spectrochim. Acta, Part A*, 1972, **28**, 707 (*uv*)
Ellis, G.P. *et al*, *Prog. Med. Chem.*, 1973, **9**, 65 (*rev*)
Neuman, M., *Drugs of Today*, 1977, **13**, 359 (*rev, pharmacol*)
Bevan, P.S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, **9**, 2552 (*synth, derivs*)
Payard, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1985, **20**, 117 (*synth, activity*)
Smith, D.A. *et al*, *Drug Metab. Rev.*, 1986, **16**, 365 (*rev, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12561.

1-(2-Oxocyclohexyl)-2-naphthol O-00126

2-(2-Hydroxy-1-naphthyl)cyclohexanone. ***Naphthonone, INN.*** *3020 CB*

[7114-11-6]



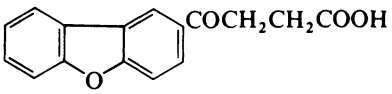
$C_{16}H_{16}O_2$ M 240.301
Antitussive agent. Mp 138-139°.

U.S.P., 2 882 201, (*1959*); *CA*, **53**, 17084i (*synth, pharmacol*)

γ-Oxo-2-dibenzofuranbutanoic acid, 9CI O-00127

Furobufen, USAN, INN. *AY 21367*

[38873-55-1]



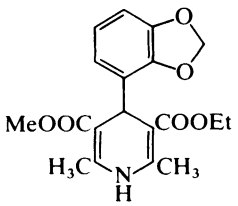
$C_{16}H_{12}O_4$ M 268.268
Antiinflammatory drug. Cryst. (EtOAc). Mp 185-187°.
▷HP4930000.

Martel, R.R. *et al*, *Can. J. Physiol. Pharmacol.*, 1974, **52**, 669 (*pharmacol*)
Ger. Pat., 2 314 869, (*1974*); *CA*, **81**, 25572n (*synth*)
Child, R.G. *et al*, *J. Pharm. Sci.*, 1977, **66**, 466 (*synth, pharmacol*)
Child, R.G. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 695 (*pharmacol*)

Oxodipine, INN O-00128

4-(1,3-Benzodioxol-4-yl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid ethyl methyl ester, 9CI. IQB 837-v

[90729-41-2]



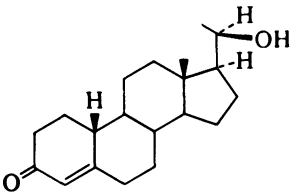
$C_{19}H_{21}NO_6$ M 359.378
Calcium antagonist (antihypertensive agent). Cryst. (EtOH). Mp 166.5°.

Eur. Pat., 158 211, (*1985*); *CA*, **105**, 172299g (*synth*)
Fonseca, I. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1792 (*cryst struct*)
Tejerina, T. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1987, **288**, 186 (*pharmacol*)

Oxogestone, INN **O-00129**

20-Hydroxy-19-norpregn-4-en-3-one, 9CI

[3643-00-3]



$C_{20}H_{30}O_2$ M 302.456

Progestin. Mp 185-187°. $[\alpha]_D$ +89°.

20-(3-Phenylpropanoyl): [16915-80-3]. ***Oxogestone phenpropionate, USAN.***

$C_{29}H_{38}O_3$ M 434.617

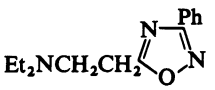
Progestin.

Djerassi, C. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4440 (*synth*)
Tomas, G.H., *Biochem. J.*, 1962, **83**, 450 (*synth*)
Evans, D.D. *et al, J. Chem. Soc.*, 1963, 3578 (*synth, deriv*)
Van der Vies, J., *Acta Endocrinol. (Copenhagen)*, 1970, **64**, 656 (*pharmacol, deriv*)
Bolt, C.C. *et al, Recl. Trav. Chim. Pays-Bas*, 1971, **90**, 849 (*synth*)

Oxolamine, INN **O-00130**

N,N-*Diethyl-3-phenyl-1,2,4-oxadiazole-5-ethanamine, 9CI. 5-[(2-Diethylamino)ethyl]-3-phenyl-1,2,4-oxadiazole, 8CI. 683 M*

[959-14-8]



$C_{14}H_{19}N_3O$ M 245.324

Drug used for treatment of respiratory tract inflammation. $Bp_{0.4}$ 127°.

▷RO0700000.

B,HCl: Cryst. Mp 153-154°.

Citrate: SKF 9976. AF-438. Bredon. Perebron. Prilon. Flogobron. Oxarmin.

$C_{20}H_{27}N_3O_8$ M 437.449

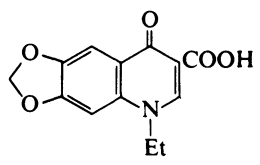
Cryst. Mp 153-154°.

Silvestrini, B., *Minerva Med.*, 1960, 4091 (*pharmacol*)
Ger. Pat., 1 097 998, (*1961*) (*synth*)
Nilsson, L., *Arzneim.-Forsch.*, 1967, **17**, 781 (*tox*)

Oxolinic acid, BAN, USAN, INN **O-00131**

5-Ethyl-5,8-dihydro-8-oxo-1,3-dioxolo[4.5-g]-quinoline-7-carboxylic acid, 9CI, 8CI. Utibid. Prodoxol. NSC 110364. Numerous proprietary names

[14698-29-4]



$C_{13}H_{11}NO_5$ M 261.234

Antibacterial agent effective against *Proteus*. Mp 313-314° dec.

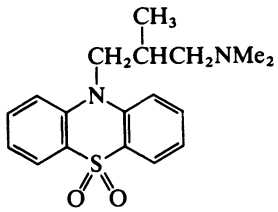
▷JI5075000.

Turner, F.J. *et al, Antimicrob. Agents Chemother.*, 1967, 475 (*props*)
Kaminsky, D. *et al, J. Med. Chem.*, 1968, **11**, 160 (*synth, pharmacol*)
Crew, M.C. *et al, Xenobiotica*, 1971, **1**, 193 (*metab*)
Biere, H. *et al, Justus Liebigs Ann. Chem.*, 1976, 1972 (*synth*)
Mitscher, L.A. *et al, J. Med. Chem.*, 1978, **21**, 485 (*synth*)
Glickman, R. *et al, Am. J. Hosp. Pharm.*, 1979, **36**, 1077 (*rev*)
Katritzky, A.R. *et al, Org. Magn. Reson.*, 1981, **16**, 280 (*cmr*)
Smrz, R. *et al, Cesk. Farm.*, 1983, **32**, 211 (*synth*)
Cygler, M. *et al, Acta Crystallogr., Sect. C*, 1985, **41**, 1052 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2676 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5665.

Oxomemazine, INN **O-00132**

N,N,β-*Trimethyl-10H-phenothiazine-10-propanamine 5,5-dioxide. Dysedon. Parfegan. RP 6847*

[3689-50-7]



$C_{18}H_{22}N_2O_2S$ M 330.444

Sedative, antitussive, antiallergic antipruritic agent. Cryst. (heptane). Mp 115°.

▷SO5775000.

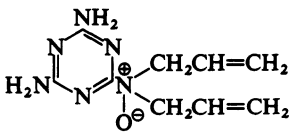
B,HCl: [4784-40-1]. *Doxergan. Imakol.* Cryst. (EtOH/2-propanol). Mp 250°.

U.S.P., 2 972 612, (*1961*); *CA*, **56**, 4777c
Anon., *Drugs of Today*, 1966, **2**, 145 (*rev*)
Azzaro, M. *et al, Bull. Soc. Chim. Fr.*, 1967, 1977; 1968, 1013 (*pmr, ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6151, 6152.

Oxonazine, INN **O-00133**

N^2,N^2-*Diallylmelamine* N^2-*oxide, 7CI*

[5580-22-3]



$C_9H_{14}N_6O$ M 222.249

Antihypertensive agent. Mp 180.5-183.2°.

B.P., 1 025 902, (*1962*); *CA*, **65**, 2280c (*synth, pharmacol*)

4-Oxopentanoic acid, 9CI **O-00134**

Levulinic acid, 8CI

[123-76-2]

$H_3CCOCH_2CH_2COOH$

$C_5H_8O_3$ M 116.116

Found in sphagnum peat, wood waste, tobacco, bagasse, beet, caramel etc. Also prod. by *Litchi chinensis, Basella rubra* and *Phyllophora* spp. Used to make antacids, cathartics and shampoos, nylon, synthetic rubber, plastics and medicines. Flavour ingredient. Reagent for cleavage of oximes and 2,4-dinitrophenylhydrazones. Plates or leaflets. V. sol. H_2O, EtOH, Et_2O, insol. hydrocarbons. Mp 33.5°. Bp_{14} 143-147°. pK_a 4.62.

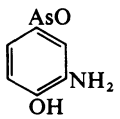
▷OI1575000.

Oxime: [6945-36-4]. *4-(Hydroxyimino)pentanoic acid.*
$C_5H_9NO_3$ M 131.131
Plates (H_2O). V. sol. H_2O, EtOH, Et_2O. Mp 95-96°. pK_a 4.63.
Oxime, O-Ac:
$C_7H_{11}NO_4$ M 173.168
Cryst. Mp 75°.
2,4-Dinitrophenylhydrazone: [5457-82-9]. Yellow cryst. ($CHCl_3$). Mp 206.5°.
Me ester: [624-45-3].
$C_6H_{10}O_3$ M 130.143
Liq. Bp 196°.
Me ester, semicarbazone: Cryst. Mp 142-143°.
Anhydride: Protecting reagent for alcohols.
Ca salt (2:1): [5743-49-7]. *Calcium levulinate, USAN.*
Replenisher (calcium).

Cowley, M.A. *et al, J. Am. Chem. Soc.*, 1933, **55**, 3463 (*bibl*)
Org. Synth., Coll. Vol., **1**, 335 (*synth*)
Leonard, R.H., *Ind. Eng. Chem.*, 1956, **48**, 1331 (*rev*)
Kravchenko, O.B. *et al, CA*, 1978, **88**, 22087 (*synth*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 239; **6**, 318.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 308.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1161.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1703.

Oxophenarsine, INN **O-00135**

2-Amino-4-arsenosophenol, 8CI
[306-12-7]

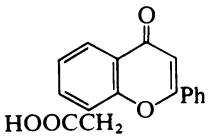


$C_6H_6AsNO_2$ M 199.041
Antineoplastic, anthelmintic. Bright-yellow deliquescent powder.
▷SJ5425000.
B,HCl: [538-03-4]. *Mapharsen.*
$C_6H_7AsClNO_2$ M 235.501
▷SJ5600000.

Banks, C.K. *et al, J. Am. Chem. Soc.*, 1947, **69**, 5 (*synth*)
Sawyers, J.L. *et al, Proc. Soc. Exptl. Biol. Med.*, 1949, **70**, 194 (*pharmacol*)

4-Oxo-2-phenyl-4*H*-1-benzopyran-8-acetic acid, 9CI **O-00136**

Flavone-8-acetic acid. ***Mitoflaxone, INN.*** *FAA. LM 975. NSC 347512*
[87626-55-9]

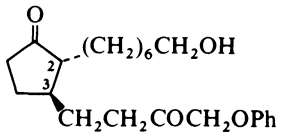


$C_{17}H_{12}O_4$ M 280.279
Antitumour agent. Cryst. (EtOH). Mp 234°.

Atassi, G. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1985, **20**, 393 (*synth*)
Zaharka, D.S. *et al, Cancer Treat. Rep.*, 1986, **70**, 1415 (*rev, pharmacol*)
O'Dwyer, P.J. *et al, Cancer Chemother. Pharmacol.*, 1987, **19**, 6 (*rev, pharmacol*)

Oxoprostol, BAN, INN **O-00137**

2-(7-Hydroxyheptyl)-3-(3-oxo-4-phenoxybutyl)-cyclopentanone, 9CI. M. and B. 33153
[69648-40-4]

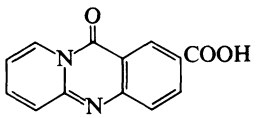


$C_{22}H_{32}O_4$ M 360.492
(2RS,3SR)-form
(±)-trans-*form*
Inhibitor of gastric acid secretion.

B.P., 1 581 886, (*1980*); *CA*, **90**, 137336s (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8091.

10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, 9CI **O-00138**

Doqualast, INN. *Sm 857 SE*
[64019-03-0]

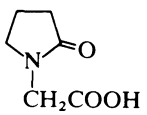


$C_{13}H_8N_2O_3$ M 240.218
Antiasthmatic, antiallergic agent. Mp 222-223°.

Schwender, C.F. *et al, J. Med. Chem.*, 1979, **22**, 114, 748 (*synth, pharmacol*)
Tilley, J.W. *et al, J. Med. Chem.*, 1980, **23**, 92 (*synth, props*)

2-Oxo-1-pyrrolidineacetic acid **O-00139**

[53934-76-2]



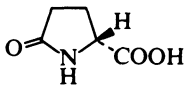
$C_6H_9NO_3$ M 143.142
Amide: 2-Oxo-1-pyrrolidineacetamide, 9CI, 8CI. ***Piracetam, BAN, INN, USAN.*** *Euvifor. Numerous proprietary names.*
$C_6H_{10}N_2O_2$ M 142.157
Cerebral stimulant, antiemetic. Cryst. (2-propanol). Mp 151.5-152.5°.
3,3,5-Trimethylcyclohexyl ester: [82209-39-0]. ***Piraxelate, INN.***
$C_{15}H_{25}NO_3$ M 267.367
Smooth muscle relaxant. Oil. $Bp_{0.4}$ 150-152°.

B.P., 1 039 113, (*1966*); *CA*, **65**, 12180 (*synth, pharmacol*)
Giurgea, C. *et al, Arch. Int. Pharmacodyn. Ther.*, 1967, **166**, 238; 1970, **188**, 401 (*pharmacol, Piracetam*)
Sara, S.J. *et al, Psychopharmalogia*, 1972, **25**, 32 (*pharmacol, Piracetam*)
Wissmann, H. *et al, Hoppe-Seylers Z. Physiol. Chem.*, 1974, **355**, 1083 (*metab*)
Ger. Pat., 2 440 634, (*1976*); *CA*, **85**, 46372f (*synth, Piracetam*)
Giurgea, C. *et al, Curr. Dev. Psychopharmacol.*, 1976, **3**, 221 (*rev, pharmacol*)
Garst, M.E. *et al, J. Org. Chem.*, 1980, **45**, 2307 (*synth*)
Oosterveld, W.J., *Arzneim.-Forsch.*, 1980, **30**, 1947 (*pharmacol, Piracetam*)
Admiraal, G. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 2600 (*cryst struct, Piracetam*)
Eur. Pat., 89 901, (*1983*); *CA*, **99**, 105116 (*synth, Piraxelate*)
Pritzkow, W., *Cryst. Res. Technol.*, 1983, **18**, 1069 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 488 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13124.

5-Oxo-2-pyrrolidinecarboxylic acid O-00140

5-Oxoproline, 9CI. Glutiminic acid. Pyroglutamic acid. Glutimic acid. 2-Pyrrolidone-5-carboxylic acid. α-Aminoglutaric acid lactam. Glutamic acid lactam. ***Pidolic acid, INN***



(*R*)-*form* Absolute configuration

$C_5H_7NO_3$ M 129.115

(R)-form [4042-36-8]

D-form

Cryst. (H_2O). Mp 182°. $[\alpha]_D$ +10.7° (H_2O).

Et ester: [68766-96-1].
$C_7H_{11}NO_3$ M 157.169
Mp 50°.

Amide:
$C_5H_8N_2O_2$ M 128.130
Mp 165°.

(S)-form [98-79-3]

L-form

Found in vegetables, fruits, grasses and molasses. Used in resoln. of amines. Cryst. (H_2O). Mp 156-157°. $[\alpha]_D^{20}$ −11.45° (c, 4.44 in H_2O).

Ca salt (2:1): [31377-05-6]. *Calciopor. Calcium pidolate. Calpyrodil. Efical. Lircal.* Calcium replenisher.

Mg salt (2:1): [62003-27-4]. *Bomag. Magnesone. Solumag. MAG 2.* Magnesium source.

Et ester: [7149-65-7]. Bp_3 161°. $[\alpha]_D$ −8.6° (H_2O).

Amide: [16395-57-6]. Mp 165°.

Anilide:
$C_{11}H_{12}N_2O_2$ M 204.228
Plates (EtOH). $[\alpha]_D^{15}$ +17.9° (80% EtOH).

(±)-form [149-87-1]

Mp 178-179°.

Me ester: [54571-66-3].
$C_6H_9NO_3$ M 143.142
Mp 21-23°. Bp_{25} 180°.

Et ester: Mp 52-54°. $Bp_{0.2}$ 141-143°.

tert-*Butyl ester:*
$C_9H_{15}NO_3$ M 185.222
Mp 109-110°.

Benzyl ester:
$C_{12}H_{13}NO_3$ M 219.240
Cryst. (Et_2O). Mp 50-52°. $Bp_{0.1}$ 185°.

Me ester, N-*formyl:*
$C_7H_9NO_4$ M 171.152
Cryst. (Et_2O/THF). Mp 48°. $Bp_{0.1}$ 112°.

Me ester, N-*Ac:*
$C_8H_{11}NO_4$ M 185.179
Cryst. (Et_2O/pet. ether). Mp 41°.

Me ester, N-*benzoyl:*
$C_8H_{11}NO_4$ M 185.179
Cryst. (MeOH). Mp 141-143°.

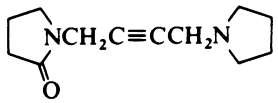
Amide: [5626-52-8]. Mp 220-221°.

Hardegger, E. *et al*, *Helv. Chim. Acta*, 1955, **38**, 312 (*abs config*)
Gibian, H. *et al*, *Justus Liebigs Ann. Chem.*, 1961, **640**, 145 (*synth, bibl*)
Japan. Pat., 70 11 144, (*1970*); *CA*, **73**, 35763 (*synth*)
Orlowski, M. *et al*, *The Enzymes*, 1971, **4**, Academic Press, N.Y., 3rd Ed..
Cervinka, O. *et al*, *Collect. Czech. Chem. Commun.*, 1973, **38**, 897 (*cd*)
Pattabhi, V. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1974, 1085 (*cryst struct*)
Voelter, W. *et al*, *Monatsh. Chem.*, 1974, **105**, 1110 (*cmr*)
Taira, Z. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 3823 (*cryst struct*)
Hardy, P.M., *Synthesis*, 1978, 290 (*synth*)
Schmidt, U. *et al*, *Synthesis*, 1978, 752 (*synth*)
Silverman, R.B. *et al*, *J. Org. Chem.*, 1980, **45**, 815 (*deriv*)
Abraham, G.N. *et al*, *Mol. Cell Biochem.*, 1981, **38**, 181 (*rev*)
Amstutz, R. *et al*, *J. Med. Chem.*, 1985, **28**, 1760 (*deriv*)
Rigo, B. *et al*, *J. Heterocycl. Chem.*, 1988, **25**, 49 (*esters*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13256.

Oxotremorine O-00141

1-[4-(1-Pyrrolidinyl)-2-butynyl]-2-pyrrolidinone, 9CI. 1-(2-Oxo-1-pyrrolidinyl)-4-(1-pyrrolidinyl)-2-butyne

[70-22-4]



$C_{12}H_{18}N_2O$ M 206.287

Cholinergic agent important as a convulsive pharmacological tool in the study of Parkinsonism. Active metab. of Tremorine, T-00409 . Pale-yellow liq. $Bp_{0.6}$ 150-155°, $Bp_{0.1}$ 129-131°.

▷UY5950100.

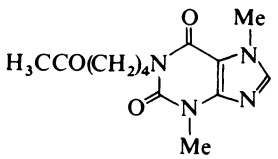
Picrolonate: Cryst. (Me_2CO). Mp 157-159°.

Cho, A.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1962, **138**, 249; *CA*, **58**, 4936e (*use*)
Bebbington, A. *et al*, *J. Med. Chem.*, 1965, **8**, 274 (*synth*)
Archibald, J.L., *J. Med. Chem.*, 1965, **8**, 390 (*synth*)
Karlen, B., *Acta Pharm. Suec.*, 1970, 169; *CA*, **73**, 54122s (*pharmacol, rev*)
Simeral, C. *et al*, *Org. Magn. Reson.*, 1974, **6**, 226 (*cmr*)
Chermot, R. *et al*, *J. Pharmacol.*, 1976, **7**, 227 (*cmr*)
Ringdahl, B. *et al*, *Life Sci.*, 1983, **32**, 2401 (*rev, pharmacol*)
Amstutz, R. *et al*, *Helv. Chim. Acta*, 1987, **70**, 2232.

Oxpentifylline, BAN O-00142

3,7-Dihydro-3,7-dimethyl-1-(5-oxohexyl)-1H-purine-2,6-dione, 9CI. 1-(5-Oxohexyl)theobromine, 8CI. ***Pentoxifylline,*** *USAN, INN,* ***JAN****. Trental. Vazofirin. Other proprietary names*

[6493-05-6]



$C_{13}H_{18}N_4O_3$ M 278.310

Vasodilator. Needles (MeOH). Sol. H_2O, C_6H_6. Mp 105°.

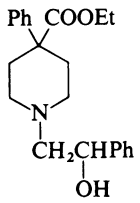
▷XH2475000.

Mohler, W. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1159 (*synth, props*)
Popendiker, K. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1160, 1171 (*pharmacol*)
Hinze, H.J., *Arzneim.-Forsch.*, 1971, **21**, 1456 (*uv, ir, pmr, ms*)
Mueller, R. *et al*, *Curr. Res. Med. Opin.*, 1981, **7**, 253 (*rev*)
Cadis, E. *et al*, *Rev. Chim. (Bucharest)*, 1986, **37**, 335 (*synth*)
Conde, L.A., *Khim.-Farm. Zh.*, 1986, **20**, 493 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2864 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9267.

Oxpheneridine, INN **O-00143**

Ethyl 1-(β-hydroxyphenethyl)-4-phenylisonipecotate, 8CI. Ethyl 1-[(2-hydroxyphenyl)ethyl]-4-phenyl-4-piperidinecarboxylate

[546-32-7]



$C_{22}H_{27}NO_3$ M 353.460

(±)-form

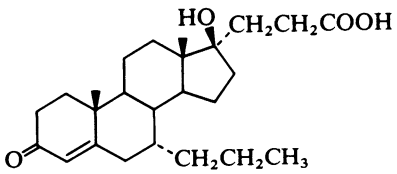
Spasmolytic agent; narcotic analgesic. Mp 128.5°.

B,HCl: Mp 192°.

Protiva, M. *et al, Collect. Czech. Chem. Commun.*, 1963, **28**, 2627 (*synth, pharmacol*)

Oxprenoic acid **O-00144**

17-Hydroxy-3-oxo-7-propylpregn-4-ene-21-carboxylic acid, 9CI



$C_{25}H_{38}O_4$ M 402.573

Aldosterone antagonist. Used as potassium salt.

K salt: [76676-34-1]. *Oxprenoate potassium. RU 28318.* Cryst. (Me_2CO). Mp 290°. $[\alpha]_D$ +48° (c, 1.0 in H_2O).

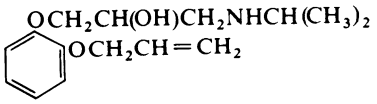
Eur. Pat., 18 245, (*1980*); *CA*, **94**, 103696b (*synth*)

Perroteau, I. *et al, J. Steroid Biochem.*, 1984, **20**, 853 (*pharmacol*)

Oxprenolol, BAN, INN **O-00145**

1-[(1-Methylethyl)amino]-3-[4-(2-propenyloxy)-phenoxy]-2-propanol, 9CI. 1-[o-(Allyloxy)phenoxy]-3-(isopropylamino)-2-propanol, 8CI. Coretal. Numerous proprietary names

[6452-71-7]



$C_{15}H_{23}NO_3$ M 265.352

Component of Trasidrex.

▷UA5270000.

(*R*)-form [31576-00-8]

Cryst. $[\alpha]_D^{20}$ +5.8° (c, 0.1 in Cupra *A*).

(±)-form [22972-98-1]

β-Adrenergic blocker, coronary vasodilator. Cryst. (hexane). Mp 78-80°.

B,HCl: [6452-73-9]. *Trasicor. Oxprenolol hydrochloride, JAN, USAN.* Mp 107-109°.

▷UA5277000.

Crowther, A.F. *et al, J. Med. Chem.*, 1969, **12**, 638 (*synth*)

Garteiz, D.A. *et al, J. Pharm. Sci.*, 1972, **61**, 1728 (*ms*)

Leger, J.M. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 2156 (*cryst struct*)

Nelson, W.L. *et al, J. Org. Chem.*, 1978, **43**, 3641, 4907 (*synth, pmr, cd, abs config*)

Brechbuehler, S. *et al, Pharmacol. Antihypertens. Drugs*, Raven Press, N.Y. 1980, 209 (*rev, pharmacol*)

Kendall, M.J. *et al, Am. J. Cardiol.*, 1983, **52**, 27 (*rev, pharmacol*)

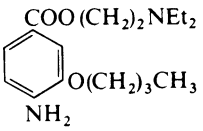
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3729 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6317.

Oxybuprocaine, BAN, INN **O-00146**

4-Amino-3-butoxybenzoic acid 2-(diethylamino)ethyl ester, 9CI, 8CI. 2-Diethylaminoethyl 4-amino-3-butoxybenzoate. 3-Butoxyprocaine. Other proprietary names

[99-43-4]



$C_{17}H_{28}N_2O_3$ M 308.420

Local anaesthetic. Bp_2 215-218°.

B,HCl: [5987-82-6]. *Benoxinate hydrochloride, USAN. Benoxil. Novesine. Dorsacaine.* V. sol. H_2O, $CHCl_3$, insol. Et_2O. Mp 155°. Component of Fluress.

▷DG1502900.

B.P., 654 484, (*1951*); *CA*, **46**, 5086 (*synth*)

Buechi, J. *et al, Helv. Chim. Acta*, 1951, **34**, 1002 (*synth, pharmacol*)

Buechi, J. *et al, Arzneim.-Forsch.*, 1960, **10**, 297 (*pharmacol*)

Adriani, J. *et al, Clin. Pharm. Ther.*, 1964, **5**, 49 (*pharmacol*)

Siek, T.J., *J. Forensic. Sci.*, 1974, **19**, 193 (*uv*)

Yang, Z. *et al, CA*, 1984, **100**, 102882 (*synth*)

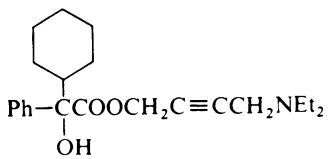
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4602 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7639.

Oxybutynin, BAN, INN **O-00147**

4-(Diethylamino)-2-butynyl α-cyclohexyl-α-hydroxybenzeneacetate, 9CI. 4-(Diethylamino)-2-butynyl α-phenylcyclohexaneglycolate, 8CI

[5633-20-5]



$C_{22}H_{31}NO_3$ M 357.492

Anticholinergic and antispasmodic drug. Used in treatment of pollakisurea nervosa. Used mainly as hydrochloride.

B,HCl: [1508-65-2]. *Oxybutynin hydrochloride, USAN. Cystrin. Ditropan. Pasmonul. Tropax. MJ 4309.* Mp 129-130°.

▷GV2800000.

Majewski, R.F. *et al, J. Med. Chem.*, 1965, **8**, 719 (*synth, pharmacol*)

Bonfils, S. *et al, Therapie*, 1967, **22**, 521 (*pharmacol*)

Barlow, R.B. *et al, J. Med. Chem.*, 1973, **16**, 439 (*isom*)

Lindeke, B. *et al, Biomed. Mass Spectrom.*, 1981, **8**, 506 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 396.

Oxychlorosene, USAN **O-00148**

Clorpactin XCB. Monoxychlorosene. Warexin

[8031-14-9]

Hypochlorous acid complex of a mist. of the phenyl sulfonate derivs. of aliphatic hydrocarbons. Topical antiinfective agent.

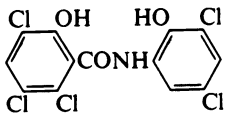
Na salt: [52906-84-0]. *Oxychlorosene sodium,* USAN. *Clorpactin WCS. Kasdenol.*

Clausen, O.G. *et al, CA,* 1966, **64**, 5688h (*activity*)
Manhold, J.H. *et al, J. Periodontol.,* 1974, **45**, 312 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2264.

Oxyclozanide, BAN, INN **O-00149**

*2,3,5-Trichloro-*N*-(3,5-dichloro-2-hydroxyphenyl)-6-hydroxybenzamide,* 9CI. *3,3',5,5',6-Pentachloro-2'-hydroxysalicyclanilide,* 8CI. *3,3',5,5',6-Pentachloro-2,2'-dihydroxybenzanilide. Biverm. Diplin. Zanil. Zanilox. ICI 46683*

[2277-92-1]



$C_{13}H_6Cl_5NO_3$ M 401.460

Anthelmintic (veterinary use only). Cream-coloured powder. Mp 209-211°.

▷CV8576000.

Broome, A.J. *et al, Ind. Chim. Belge,* 1967, **32**, 204 (*synth*)
Vodrazka, J., *Cesk. Farm.,* 1968, **17**, 445 (*pharmacol*)
Sindt, A.C. *et al, Acta Crystallogr., Sect. B,* 1979, **35**, 2103, 2452 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13071.

Oxydipentonium(2+) **O-00150**

5,5'-Oxybis[N,N,N-*trimethyl-1-pentanaminium*], 9CI. [*Oxybis*(*pentamethylene*)]*bis*[*trimethylammonium*], 8CI

$$Me_3N^{\oplus}(CH_2)_5O(CH_2)_5N^{\oplus}Me_3$$

$C_{16}H_{38}N_2O^{\oplus\oplus}$ M 274.489 (ion)

Muscle relaxant, anticholinesterase.

Dichloride: [7174-23-4]. *Oxydipentonium chloride,* INN. *Brevatonal. UCB 5067.*
$C_{16}H_{38}Cl_2N_2O$ M 345.395
Mp 197-198°.

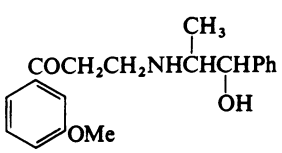
▷BS0120000.

Belg. Pat., 511 219, (*1952*); *CA,* **52**, 16307f (*synth, pharmacol*)
Kirpekar, S.M. *et al, Biochem. Pharmacol.,* 1962, **11**, 937 (*pharmacol*)
Gasco, M.R. *et al, Boll. Chim. Farm.,* 1965, **104**, 639 (*chromatog*)

Oxyfedrine, BAN, INN **O-00151**

3-[(*2-Hydroxy-1-methyl-2-phenylethyl*)*amino*]-*1-*(*3-methoxyphenyl*)-*1-propanone,* 9CI. *3-*[*β-Hydroxy-α-methylphenethylamino*]-*3'-methoxypropiophenone,* 8CI

[15687-41-9]



$C_{19}H_{23}NO_3$ M 313.396

(*R*)-*form*

L-*form*

Coronary vasodilator.

B,HCl: [16777-42-7]. *Oxyfedrine hydrochloride,* JAN. *Ildamen. Modacor. D563. CGG 6E.* Cryst. (MeOH). Mp 190-193°.

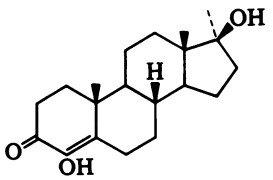
▷UH2450000.

Belg. Pat., 630 296, (*1964*); *CA,* **61**, 1800 (*synth*)
Huller, H. *et al, Farmakol. Toksikol.* (*Moscow*), 1975, **38**, 563; *CA,* **84**, 405v (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9268.

Oxymesterone, BAN, INN **O-00152**

4,17β-Dihydroxy-17α-methyl-4-androsten-3-one. 4-Hydroxy-17-methyltestosterone. Methandrostenediolone. Anamidol. Balnimax. Oranabol. Ossimesterone. Oxymestrone. Sanaboral. Theranabol. Tubil

[145-12-0]



$C_{20}H_{30}O_3$ M 318.455

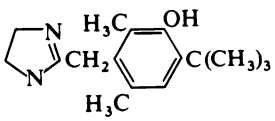
Anabolic steroid. Androgen. Mp 169-171°. $[\alpha]_D^{20}$ +69° (c, 1 in EtOH).

B.P., 848 288, (*1962*); *CA,* **56**, 4826 (*synth*)
Camerino, B. *et al, Gazz. Chim. Ital.,* 1962, **92**, 676, 693 (*synth*)
Junkmann, K. *et al, Arzneim.-Forsch.,* 1962, **12**, 214 (*pharmacol*)
Arnold, A. *et al, J. Endocrinol.,* 1963, **28**, 87 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9094.

Oxymetazoline, BAN, INN **O-00153**

3-[(*4,5-Dihydro-1*H*-imidazol-2-yl*)*methyl*]-*6-*(*1,1-dimethylethyl*)-*2,4-dimethylphenol,* 9CI. *6-*tert-*Butyl-3-*(*2-imidazolin-2-ylmethyl*)-*2,4-dimethylphenol,* 8CI. *Numerous proprietary names*

[1491-59-4]



$C_{16}H_{24}N_2O$ M 260.378

Vasoconstrictor. Nasal decongestant. Cryst. (C_6H_6). Insol. Et_2O, $CHCl_3$, C_6H_6. Mp 181-183°.

▷SK1050000.

B,HCl: [2315-02-8]. *Oxymetazoline hydrochloride,* USAN, JAN. *Afrin. Atomol. Hazol. Iliadin-mini.* Mp 300-303° dec.

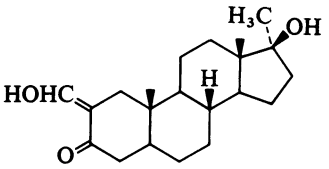
▷SK1225000.

Ger. Pat., 1 117 588 (*1961*); *CA,* **57**, 4674a (*synth*)
Hotovy, R. *et al, Arzneim.-Forsch.,* 1961, **11**, 1016 (*pharmacol*)
Autret, A.M. *et al, Eur. J. Pharmacol.,* 1971, **13**, 208 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 4151 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2093.

Oxymetholone, BAN, USAN, INN **O-00154**

17β-Hydroxy-2-hydroxymethylene-17α-methyl-5α-androstan-3-one. Adroyd. Anapolon. Anadrol. NSC 26198. Other proprietary names

[434-07-1]



$C_{21}H_{32}O_3$ M 332.482

Anabolic androgen. Cryst. (EtOAc). Mp 178-180°. $[\alpha]_D$ +38° ($CHCl_3$).

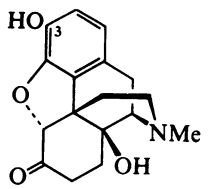
▷BV8060000.

Ringold, H.J. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 427 (*synth*)
Ger. Pat., 1 070 632, (*1961*); *CA*, **55**, 8480 (*synth*)
Junkmann, K. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 214 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6370 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9095.

Oxymorphone, BAN, INN **O-00155**

4,5α-Epoxy-3,14-dihydroxy-17-methylmorphinan-6-one, 9CI, 8CI. 7,8-Dihydro-14-hydroxymorphinone. Numorphan. Ossimorfone. Oximorphonum. Oxydimorphone

[76-41-5]



$C_{17}H_{19}NO_4$ M 301.341

Narcotic analgesic. Mp 248-249° dec.

3-O-Me: [76-42-6]. *4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one, 9CI, 8CI.* ***Oxycodone, BAN, USAN, INN.*** *7,8-Dihydro-14-hydroxycodeinone.*

$C_{18}H_{21}NO_4$ M 315.368

Narcotic analgesic. Long rods (EtOH). Sol. EtOH, $CHCl_3$, insol. H_2O, Et_2O. Mp 218-220°.

▷QD2450000.

3-O-Me; B,HCl: [124-90-3]. *Oxycodone hydrochloride. Pancodine. Dihydrohydroxycodeinone hydrochloride. Ossicodone. Oxiconum. Oxikon. Oxycodeinone hydrochloride. Thecodin. Tekodin. Other synonyms.* Long rods (H_2O). Mp 270-272° dec. $[\alpha]_D^{20}$ −125° (H_2O).

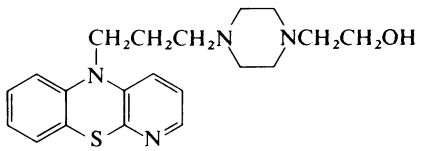
▷QD2470000.

Weiss, U., *J. Am. Chem. Soc.*, 1955, **77**, 5891 (*synth*)
Pearl, J. *et al*, *J. Pharmacol. Exp. Ther.*, 1968, **160**, 217 (*pharmacol*)
Pert, C.B. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1973, **70**, 2243 (*pharmacol, deriv*)
Saferstein, R. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Reynoldson, J.A. *et al*, *Clin. Exp. Pharmacol. Physiol.*, 1974, **1**, 503 (*pharmacol, oxycodone*)
Knoll, J., *Neuropharmacology*, 1975, **14**, 921 (*pharmacol*)
Kelley, C.J. *et al*, *J. Org. Chem.*, 1976, **41**, 449 (*cmr*)
Sime, R.J. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 2937 (*cryst struct*)
Ishida, T. *et al*, *J. Pharmacobio.-Dyn.*, 1982, **5**, 521 (*metab, oxycodone*)
Eliel, E.L. *et al*, *Org. Magn. Reson.*, 1984, **22**, 258 (*cmr*)
Glasel, J.A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 236 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6248, 6249.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4829.

Oxypendyl, INN **O-00156**

4-[3-(10-Pyrido[3,2-b][1,4]benzothiazin-10-yl)propyl]-1-piperazineethanol, 9CI

[5585-93-3]



$C_{20}H_{26}N_4OS$ M 370.512

Antiemetic. Bp_6 280-300°, Bp_1 260-265°.

B,2HCl: [17297-82-4]. *Pervetral.* Cryst. Mp 218-220°.

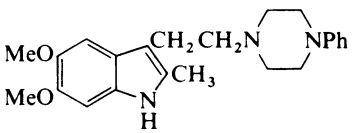
▷TL9450000.

Schuler, W.A. *et al*, *Justus Liebigs Ann. Chem.*, 1962, **653**, 172 (*synth, pharmacol*)
Schmidt, F., *Dtsch. Apoth.-Ztg.*, 1974, **114**, 1593 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6546.

Oxypertine, BAN, USAN, INN, JAN **O-00157**

5,6-Dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl] -1H-indole, 9CI, 8CI. Equipertine. Forit. Lanturil. Lotawin. Opertil. Win 18501

[153-87-7]



$C_{23}H_{29}N_3O_2$ M 379.501

Psychotropic, antidepressant used in treatment of schizophrenia.

▷NL7170000.

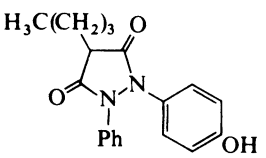
B,HCl: [17506-66-0]. *Integrin.* Mp 250-252°.

Archer, S. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 1306 (*synth*)
Neal, C.D. *et al*, *Curr. Ther. Res.*, 1969, **11**, 367 (*pharmacol*)
Launchbury, A.P., *Prog. Med. Chem.*, 1970, **7**, 1 (*rev*)
Penn, R.G. *et al*, *Postgrad. Med. J. Suppl.*, 1972, **48**, 7, 11 (*rev*)
Leger, J.M. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1428 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7078.

Oxyphenbutazone, BAN, INN **O-00158**

4-Butyl-1-(4-hydroxyphenyl)-2-phenylpyrazolidine-3,5-dione, 9CI. p-Hydroxyphenylbutazone. Tanderil. Numerous proprietary names

[129-20-4]



$C_{19}H_{20}N_2O_3$ M 324.379

▷UQ8400000.

(±)-form

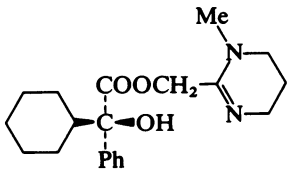
Metab. of phenbutazone. Antiinflammatory agent. Cryst. + $1H_2O$. Sol. org solvs. Mp 96°, Mp 124-125° anhydr.

Pfister, R. *et al*, *Helv. Chim. Acta*, 1957, **40**, 395 (*synth*)
Singh, S.P. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 13 (*cmr*)
Murthy, H.M. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 210 (*cryst struct*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 333 (*rev*)
Matsuda, Y. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1289 (*struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5205 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2678.

Oxyphencyclimine, BAN, INN O-00159

α-Cyclohexyl-α-hydroxybenzeneacetic acid (1,4,5,6-tetrahydro-1-methyl-2-pyrimidinyl)methyl ester, 9CI. α-Phenylcyclohexaneglycolic acid (1,4,5,6-tetrahydro-1-methyl-2-pyrimidinyl)methyl ester, 8CI

[125-53-1]



(*R*)-form

$C_{20}H_{28}N_2O_3$ M 344.453
Component of Enarax and Vistrax.

(*R*)-form

B,HCl: [108692-07-5]. Mp 234-236° dec. $[\alpha]_D^{20}$ +9.69° (c, 2.1 in MeOH).

(*S*)-form

B,HCl: [108643-62-5]. Cryst. (EtOH). Mp 229-230° dec. $[\alpha]_D^{20}$ −9.51° (c, 2.2 in MeOH).

(±)-form

Anticholinergic, antispasmodic, used for treatment of ulcers.

B,HCl: [125-52-0]. *Oxyphencyclimine hydrochloride, USAN. Naridan. Daricon.* Spar. sol. H_2O. Mp 231-232° dec.

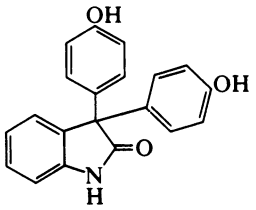
▷GV3030000.

Faust, J.A. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 2214 (*synth*)
Finkelstein, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1959, **125**, 330 (*pharmacol*)
Vargas, P.N. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 662 (*pharmacol*)
Schjelderup, L. *et al*, *Acta Chem. Scand., Ser. B*, 1986, **40**, 601 (*synth, abs config, pmr, cmr, ir*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5888 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 397.

Oxyphenisatin, BAN, INN O-00160

1,3-Dihydro-3,3-bis(4-hydroxyphenyl)-2H-indol-2-one, 9CI. 3,3-Bis(p-hydroxyphenyl)-2-indolinone, 8CI. Dihydroxyphenylisatin. Phenolisatin. Numerous proprietary names

[125-13-3]



$C_{20}H_{15}NO_3$ M 317.343
Laxative. Mp 260-261°. Forms solvates with Et_2O and $CHCl_3$.

O,O-*Di-Ac:* [115-33-3]. ***Oxyphenisatin acetate, USAN.*** *Numerous proprietary names.*
$C_{24}H_{19}NO_5$ M 401.418
Cathartic, laxative. Spar. sol. EtOH, Et_2O. Mp 242°.

O,O,N-*Tri-Ac:* [18869-73-3]. ***Triacetyldiphenolisatin.*** *Phenisatin. Other proprietary names.*
$C_{26}H_{21}NO_6$ M 443.455
Laxative. Cryst. (EtOH). Mp 201-202°.

▷NM3250000.

O,O-*Dinicotinoyl:* [5054-75-1]. ***Nicoxyphenisatin.***
$C_{32}H_{21}N_3O_5$ M 527.535
Laxative. Cryst. (EtOH). Mp 225°.

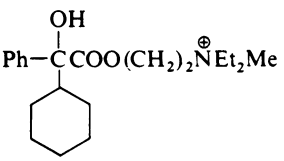
O,O-*Bis(3-phenyl-2-propenoyl):* [26585-31-9]. ***Cinnoxyphenisatin.***
$C_{38}H_{27}NO_5$ M 577.635
Laxative. Mp 248°.

Baeyer, A. *et al*, *Ber.*, 1885, **18**, 2641 (*derivs*)
Liebermann, C. *et al*, *Ber.*, 1907, **40**, 3588 (*synth*)
Hubacher, M.H. *et al*, *J. Am. Pharm. Assoc.*, 1953, **42**, 23 (*rev*)
Fr. Pat., M1 241, (*1962*); *CA*, **57**, 15256 (*Cinnoxyphenisatin*)
Selleri, R. *et al*, *Boll. Chim. Farm.*, 1966, **105**, 117 (*Nicoxyphenisatin*)
Hart, S.L. *et al*, *Br. J. Pharmacol*, 1968, **32**, 683 (*pharmacol*)
Sund, R.B. *et al*, *Acta Pharmacol. Toxicol.*, 1979, **44**, 251 (*pharmacol, metab*)
Sund, R.B., *Norv. Pharm. Acta*, 1983, **45**, 125 (*pharmacol, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5559, 7035, 7373.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7520, 7521.

Oxyphenonium(1+) O-00161

2-[(Cyclohexylhydroxyphenylacetyl)oxy]-N,N-diethyl-N-methylethanaminium, 9CI. Diethyl(2-hydroxyethyl)-methylammonium α-phenylcyclohexaneglycolate, 8CI

[14214-84-7]



$C_{21}H_{34}NO_3^{\oplus}$ M 348.505 (ion)
Anticholinergic agent.

Bromide: [50-10-2]. *Oxyphenonium bromide, BAN, INN. Antrenyl. Antispasmin. Helkamon. Oxifenon. Oxyphenone. Spasmophen. Spastrex. Subranyl. BA 5473.*
$C_{21}H_{34}BrNO_3$ M 428.409

Sl. sol. EtOH, sol. H_2O. Mp 189-194°.

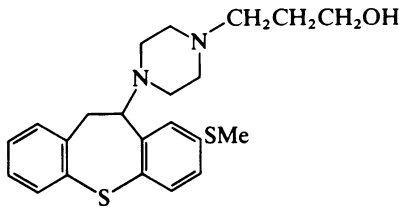
▷BP7625000.

Swiss Pat., 259 958, (*1949*); *CA*, **44**, 5910 (*synth*)
Plummer, A.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1953, **108**, 292 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1966, **21**, 460 (*uv*)
Polish Pat., 51 583, (*1966*); *CA*, **68**, 59319t (*synth*)
Wilimowski, M. *et al*, *Arch. Immunol. Ther. Exp.*, 1970, **18**, 139 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 398.

Oxyprothepin O-00162

4-[10,11-Dihydro-8-(methylthio)dibenzo[b,f]thiepin-10-yl]-1-piperazinepropanol, *9CI*. *Meclopin (oral)*. *VUFB 8334*

[29604-16-8]



$C_{22}H_{28}N_2OS_2$ M 400.596

(±)-form

Neuroleptic agent. Cryst. (C_6H_6/pet. ether). Mp 93-95°.

B,2HCl: [29728-68-5]. Cryst. + $2H_2O$ (EtOH/Et_2O). Mp 223-226°.

B,MeSO$_3$H: [34775-83-2]. *Meclopin*. Cryst. (EtOH). Mp 194-196°.

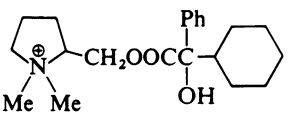
Decanoyl: [41931-86-6]. ***Oxyprothepin decanoate***. *Meclopin (parenteral)*. *VUFB 9977*.
$C_{32}H_{46}N_2O_2S_2$ M 554.848
Neuroleptic agent.

Decanoyl, bis(hydrogen oxalate): [41931-62-8]. Cryst. (EtOH aq.). Mp 173-175°.

Jilek, J.O. *et al*, *Collect. Czech. Chem. Commun.*, 1971, **36**, 2226; 1973, **38**, 599, 1190 (*synth, pharmacol*)
Dlabac, A. *et al*, *Act. Nerv. Super.*, 1974, **16**, 166 (*decanoate*)
Jilek, J.O. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 443, 3437; 1980, **45**, 504 (*synth, decanoate*)
Franc, Z. *et al*, *Cesk. Farm.*, 1982, **31**, 337 (*metab*)
Pacakova, V. *et al*, *J. Chromatogr.*, 1984, **298**, 309 (*hplc*)
Reboul, J.P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 277 (*conformn*)
Kazdova, E., *CA*, 1985, **103**, 115449 (*rev*)

Oxypyrronium(1+) O-00163

2-[[(Cyclohexylhydroxyphenylacetyl)oxy]methyl]-1,1-dimethylpyrrolidinium, *9CI*. *2-(2-Hydroxymethyl)-1,1-dimethylpyrrolidinium α-phenylcyclohexaneglycolate*, *8CI*



$C_{21}H_{32}NO_3^{\oplus}$ M 346.489 (ion)

(±)-form

Anticholinergic agent; spasmolytic agent.

Bromide: [561-43-3]. *Oxypyrronium bromide*, *INN*, *JAN*. *Immetro. Immetropan. Vamelidine. BM 3055. BRL 556. LD 3055*.
$C_{21}H_{32}BrNO_3$ M 426.393
Mp 176°.

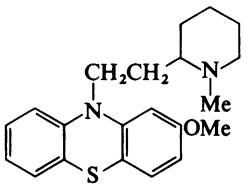
▷UY4337820.

B.P., 870 441, (*1961*); *CA*, **56**, 3455c (*synth*)
Brown, D.M. *et al*, *Arch. Int. Pharmacodyn.*, 1964, **147**, 552 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 399.

Oxyridazine, INN O-00164

2-Methoxy-10-[2-(1-methyl-2-piperidyl)ethyl]-phenothiazine, *8CI*. *KS 33*

[14759-04-7]



$C_{21}H_{26}N_2OS$ M 354.509

▷SP0875000.

(±)-form

Neuroleptic agent. Cryst. (2-propanol). Mp 77-79°. $Bp_{0.01}$ 210-212°.

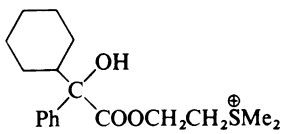
B,HCl: [26068-66-6]. Cryst. (2-propanol). Mp 171-173° dec. Sinters at 165°.

Tartrate: [15869-17-7]. Amorph. powder +1 H_2O. Dec. at 115°, sinters at 60°.

Bourquin, J.-P. *et al*, *Helv. Chim. Acta*, 1959, **42**, 259 (*synth*)
Swiss Pat., 415 639, (*1967*); *CA*, **67**, 3095d (*synth, pharmacol*)
Khazen, K. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **171**, 251 (*pharmacol*)

Oxysonium(1+) O-00165

(2-Hydroxyethyl)dimethylsulfonium α-phenylcyclohexaneglycolate. Oxyfensulfonium. Oxyhexadiphensulfonium



$C_{18}H_{27}O_3S^{\oplus}$ M 323.470 (ion)

(±)-form

Anticholinergic, spasmolytic agent.

Iodide: [3569-58-2]. *Oxysonium iodide*, *INN*. *Oxythiospasmin. Thiospasmin.*
$C_{18}H_{27}IO_3S$ M 450.374
Cryst. (EtOH). Mp 131-132°.

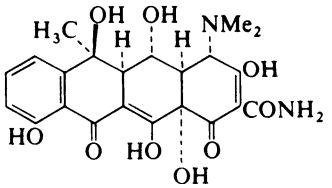
▷WR8225000.

Czech. Pat., 85 856, (*1956*); *CA*, **52**, 2910i (*synth, pharmacol*)
Protiva, M. *et al*, *Chem. Listy*, 1956, **50**, 1641 (*synth, pharmacol*)

Oxytetracycline, BAN, INN O-00166

Abbocin. Berkmycen. Clinimycin. Galsenomycin. Geomycin. Oxydon. Stecsolin. Terramycin. Numerous other synonyms

[79-57-2]



$C_{22}H_{24}N_2O_9$ M 460.440

Tetracycline antibiotic. Elaborated by *Streptomyces rimosus*. Clinically used broad-spectrum antibacterial antibiotic. Light-yellow cryst. + $0.8Me_2CO$ or needles + $2H_2O$ (MeOH aq.). Mp 200° dec. (Me_2CO solvate), 181-182° dec. (hydrate). $[\alpha]_D^{25}$ −196.6° (0.1*M* HCl), $[\alpha]_D^{25}$ −2.1° (0.1*M* NaOH), $[\alpha]_D^{25}$ +26.5° (MeOH). λ_{max} 353 nm.

▷QI7875000.

B,HCl: [2058-46-0]. *Oxytetracycline hydrochloride, USAN.* Needles (MeOH), yellow platelets (H_2O).

▷QI8225000.

Na salt: Lemon-yellow cryst. (MeOH) + $2H_2O$.

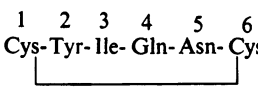
Di-Ac: Cryst. (MeOH). Mp 208-213° dec. $[\alpha]_D^{25}$ +214° (MeOH).

Hochstein, F.A. *et al, J. Am. Chem. Soc.*, 1951, **73**, 5008; 1952, **74**, 3707; 1953, **75**, 5455 (*struct*)
Hoffman, D.R., *J. Org. Chem.*, 1966, **31**, 792 (*ms*)
Muxfeldt, M. *et al, J. Am. Chem. Soc.*, 1968, **90**, 6534 (*synth*)
Hughes, R.E. *et al, J. Am. Chem. Soc.*, 1971, **93**, 1037 (*cryst struct*)
Asleson, G.L. *et al, J. Am. Chem. Soc.*, 1975, **97**, 6246 (*nmr*)
Prewo, R. *et al, J. Am. Chem. Soc.*, 1977, **99**, 1117 (*cryst struct*)
Thomas, R. *et al, J. Chem. Soc., Chem. Commun.*, 1983, 128; 1984, 442; 1985, 802 (*biosynth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6512 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 120, 121, 122.

Oxytocin, INN, BAN, USAN — O-00167

L-Cysteinyl-L-tyrosyl-L-isoleucyl-L-glutaminyl-L-asparaginyl-L-cysteinyl-L-prolyl-L-leucylglycinamide cyclic (1→6) disulfide, 9CI. Other proprietary names

[50-56-6]



$C_{43}H_{66}N_{12}O_{12}S_2$ M 1007.188

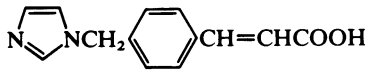
The principal uterus-contracting and milk-ejecting hormone of the posterior gland. Oxytocic. White powder. $[\alpha]_D^{22}$ −26.2° (c, 0.53 in H_2O). The following analogues which have been proved to be more active and more selective than oxytocin, have separate entries: [Thr⁴]oxytocin; Deaminooxytocin; [Thz⁷]oxytocin; [Δ³-Pro⁷]oxytocin; [Thr⁴,Gly⁷]oxytocin; Deamino[Gly⁷]oxytocin; [Ala⁷]oxytocin; and [Hse⁴]-oxytocin.

▷RS7534000.

du Vigneaud, V. *et al, J. Am. Chem. Soc.*, 1953, **75**, 4879; 1954, **76**, 3115 (*isol, struct*)
Tuppy, H. *et al, Monatsh. Chem.*, 1953, **84**, 1011 (*struct*)
Schally, A.V. *et al, Arch. Biochem. Biophys.*, 1964, **107**, 332 (*isol*)
Schroder, E. *et al, The Peptides and Related Compounds*, Vol. II, 1966, Academic Press, N.Y., 281 (*rev, synth*)
Wade, R., *Int. Rev. of Sci.-Amino Acids, Peptides and Related Compounds*, 1976, Butterworth, London, 131 (*rev, synth*)
Turan, A. *et al, J. Med. Chem.*, 1977, **20**, 1169.
Manning, M. *et al, Amino Acids, Peptides and Proteins (Sheppard, R.C., Ed.)*, The Chemical Society, London, 1979, **10**, 418 (*analogues, synth*)
Nachtmann, F. *et al, Anal. Profiles Drug Subst.*, 1981, **10**, 563 (*rev*)
Richter, D., *Peptides (N.Y.)*, 1987, **8**, 41 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8231 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5940, 5941.

Ozagrel, INN — O-00168

3-[4-(1H-Imidazol-1-yl)methyl]phenyl]-2-propenoic acid, 9CI



$C_{13}H_{12}N_2O_2$ M 228.250

(E)-form [82571-53-7]

Thromboxane synthetase inhibitor. Platelet aggregation inhibitor.

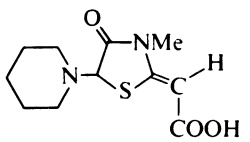
B,HCl: [78712-43-3]. *Ozagrel hydrochloride. Unblot. OKY 046.* Cryst. (EtOH/Et_2O). Mp 214-217°.

Iizuka, K. *et al, J. Med. Chem.*, 1981, **24**, 1139 (*synth, pharmacol*)
Hiraku, S. *et al, Jpn. J. Pharmacol.*, 1986, **41**, 393 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19602.

Ozolinone, USAN, INN — O-00169

[3-Methyl-4-oxo-5-(1-piperidinyl)-2-thiazolidinylidene]acetic acid, 9CI

[60588-26-3]



$C_{11}H_{16}N_2O_3S$ M 256.319

(S)-(Z)-form [67565-44-0]

Et ester: [77519-25-6]. ***Dexetozoline, INN.*** *Gö 4687.* Cryst. (cyclohexane). Mp 131°. $[\alpha]_D^{23}$ +224° (c, 0.5 in $CHCl_3$).

(Z)-form [56784-39-5]

W 3282

Diuretic, antihypertensive agent.

Et ester: [67432-21-7]. ***Etozolin,*** *USAN, INN. Elkapin. Etopinil. Gö 687. W 2900A.*
$C_{13}H_{20}N_2O_3S$ M 284.373
Diuretic, antihypertensive agent. Mp 140°.

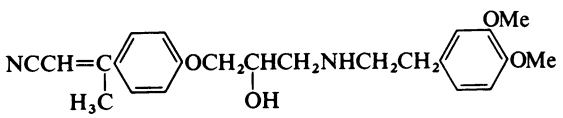
Satzinger, G., *Justus Liebigs Ann. Chem.*, 1963, **665**, 150 (*synth*)
Ger. Pat., 2 414 345, (*1975*); *CA*, **84**, 17326t (*synth*)
Satzinger, G., *Arzneim.-Forsch.*, 1977, **27**, 1742 (*props, numerous papers*)
Greven, J. *et al, Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1978, **304**, 283 (*pharmacol*)
Satzinger, G., *Justus Liebigs Ann. Chem.*, 1978, 473 (*synth*)
Satzinger, G. *et al, ACS Symp. Ser.*, 1978, **83**, 155 (*rev*)
Eur. Pat., 16 635, (*1980*); *CA*, **94**, 139795x (*synth, Dexetozoline*)
Klemisch, W. *et al, Z. Naturforsch., C*, 1986, **41**, 115 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12722.

P

Pacrinolol, INN **P-00001**

3-[4-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]phenyl]-2-butenenitrile, 9CI. p-[3-[(3,4-Dimethoxyphenethyl)amino]-2-hydroxypropoxy]-β-methylcinnamonitrile. *Crinolol. Hoe 224*

[65655-59-6]



$C_{23}H_{28}N_2O_4$ M 396.485

(±)-*form*

Antihypertensive, beta-adrenergic blocking agent. Cryst. (toluene/diisopropyl ether). Mp 88-89°.

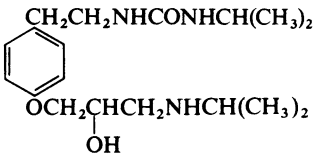
B,HCl: Mp 164-165°.

U.S.P., 4 191 765, (*1980*); *CA*, **93**, 95297 (*synth*)
Lindner, E., *Arzneim.-Forsch.*, 1984, **34**, 270 (*pharmacol*)

Pafenolol, INN **P-00002**

N-[2-[4-[2-Hydroxy-3-[(1-methylethyl)amino]-propoxy]phenyl]ethyl]-N'-(1-methylethyl)urea, *9CI.* 1-[p-[2-Hydroxy-3-(isopropylamino)propoxy]phenethyl]-3-isopropylurea. *H 138/03*

[83242-76-6]



$C_{18}H_{31}N_3O_3$ M 337.461

(±)-*form* [75949-61-0]

β_1-Adrenergic blocking agent.

Jansson, S.O. *et al*, *J. Chromatogr.*, 1982, **242**, 41 (*chromatog*)

Paipunine **P-00003**

Struct. unknown

$C_{24}H_{37}NO_4$ M 403.561

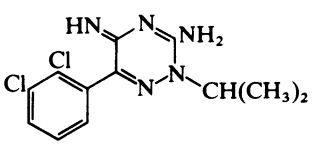
Alkaloid from the Chinese drug "Pai pu", stated to be derived from an unidentified *Stemona* sp. (Stemonaceae). Prisms (2-propanol). Mp 105.5-106.5°. $[\alpha]_D^{25}$ −53.7° (Me_2CO).

Lee, H.M. *et al*, *J. Am. Pharm. Assoc.*, 1940, **29**, 391 (*isol, pharmacol*)

Palatrigine, BAN, INN **P-00004**

6-(2,3-Dichlorophenyl)-2,5-dihydro-5-imino-2-(1-methylethyl)-1,2,4-triazin-3-amine, 9CI. BW A256C

[98410-36-7]



$C_{12}H_{13}Cl_2N_5$ M 298.174

Antiarrhythmic agent. CA name differs from structures given in lit.

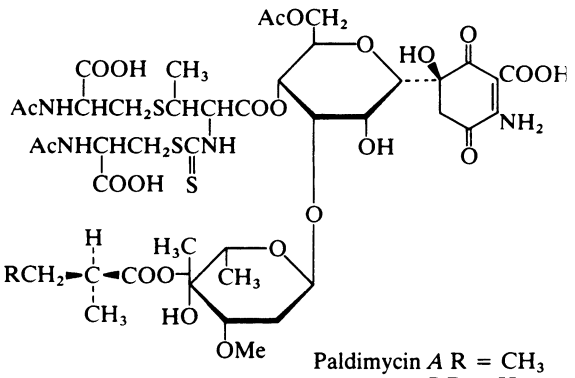
B,MeSO₃H: [98410-37-8]. Cryst. (EtOH aq.). Mp 251-252°.

Eur. Pat., 142 306, (*1985*); *CA*, **103**, 142021 (*synth*)
Allan, G. *et al*, *Br. J. Pharmacol.*, 1986, **88**, 333 (*pharmacol*)
Donoghue, S. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **9**, 12 (*pharmacol*)

Paldimycin, INN **P-00005**

Antibiotic 273a1. U 70138

[102426-96-0]



Paldimycin *A* R = CH_3
B R = H

Glycoside-type antibiotic complex. Prod. by *Streptomyces paulus*. Active against gram-positive bacteria.

Paldimycin A [101411-70-5]

Antibiotic 273a1α. U 67963

$C_{44}H_{64}N_4O_{23}S_3$ M 1113.183

$[\alpha]_D$ −31° (c, 0.9 in MeOH). Dec. begins at ca. 120°.

Paldimycin B [101411-71-6]

Antibiotic 273a1β

$C_{43}H_{62}N_4O_{23}S_3$ M 1099.156

$[\alpha]_D^{25}$ −35° (c, 0.9 in MeOH). Dec. begins at ca. 120°.

Argoudelis, A.D. *et al*, *J. Antibiot.*, 1987, **40**, 408, 419 (*isol, struct, synth*)
Brumfitt, W. *et al*, *J. Antimicrob. Chemother.*, 1987, **19**, 405 (*props*)
Rolston, K.V. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 653 (*props*)

Palmidrol, INN **P-00006**

N-(2-Hydroxyethyl)hexadecanamide, *9CI.* N-(2-Hydroxyethyl)palmitamide. *Impulsin. PEA*

[544-31-0]

$H_3C(CH_2)_{14}CONHCH_2CH_2OH$

$C_{18}H_{37}NO_2$ M 299.496

Isol. from soyabean lecithin, egg yolk and peanut meal. Antiinflammatory agent. Cryst. (EtOH aq.). Mp 98-99°.

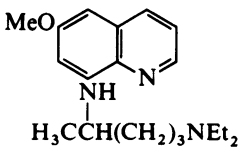
Roe, E.T. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 3442 (*synth*)

Kuehl, F.A. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 5577 (*isoln*)
Benvenuti, F. *et al*, *Boll. Soc. Ital. Biol. Sper.*, 1968, **44**, 809; *CA*, **69**, 85237e (*pharmacol*)
Perlik, F. *et al*, *Acta Physiol.*, 1971, **39**, 395 (*pharmacol*)
Miyasaka, T. *et al*, *Chem. Lett.*, 1985, **6**, 701 (*synth*)

Pamaquine, INN **P-00007**

N′,N′-Diethyl-N⁴-(6-methoxy-8-quinolinyl)-1,4-pentanediamine, 9CI. 8-[[4-(Diethylamino)-1-methylbutyl]amino]-7-methoxyquinoline, 8CI. Gametocid. Other proprietary names

[491-92-9]



$C_{19}H_{29}N_3O$ M 315.458

▷VB4725000.

(±)-form

Antimalarial drug, no longer in extensive use. Oil. $Bp_{0.2}$ 185-187°. pK_{a1} 10.2 (prob. NEt_2), pK_{a2} 3.48 (quinoline N), pK_{a3} −1.3 (NH). May cause blindness.

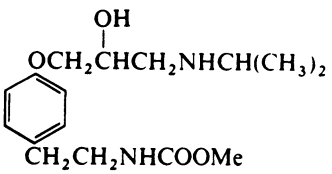
Embonate (1:1): [635-05-2]. Yellow or yellow-orange powder.

▷QL2280000.

Elderfield, R.G. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1516 (*synth*)
Udall, V., *Proc. R. Soc. Med.*, 1972, **65**, 197 (*tox*)
Hufford, C.D. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 273 (*props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5480 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1384.

Pamatolol, INN **P-00008**

Methyl [2-[4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]ethyl]carbamate, 9CI. 1-Isopropylamino-3-[p-(β-methoxycarbonylamidoethyl)phenoxy]propan-2-ol



$C_{16}H_{26}N_2O_4$ M 310.392

(±)-form [59110-35-9]

Antiadrenergic, antihypertensive drug.

2B,H₂SO₄: [59954-01-7]. *Pamatolol sulfate, USAN. H 104/08.*

B,HCl: Cryst. Mp 106°.

U.S.P., 3 928 601, (*1975*); *CA*, **85**, 5355 (*synth, pharmacol*)
Carruthers, S.G. *et al*, *Clin. Pharmacol. Ther.*, 1978, **24**, 168 (*pharmacol*)
Hoffmann, K.J. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1979, **4**, 163 (*metab*)

Pamidronic acid, INN **P-00009**

(3-Amino-1-hydroxypropylidene)bis(phosphonic acid), 9CI. 3-Amino-1-hydroxypropane-1,1-diphosphonic acid. APD

[40391-99-9]

$H_2NCH_2CH_2C(OH)(PO_3H_2)_2$

$C_3H_{11}NO_7P_2$ M 235.070

Used in treatment of Paget's disease. Mp 237-238°. Also used as di-Na salt.

Frijlink, W.B. *et al*, *Lancet*, 1979, **1**, 799, 803 (*pharmacol*)
Worms, K.H. *et al*, *Z. Anorg. Allg. Chem.*, 1979, **457**, 214 (*synth*)
Bijvoet, O.L. *et al*, *Int. Congr. Ser.-Excerpta. Med.*, 1980, **511**, 132 (*rev*)
Shinoda, H. *et al*, *Calcif. Tissue Int.*, 1983, **35**, 87 (*pharmacol*)
Wingen, F. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 1037 (*pharmacol*)

Pancreatin, USAN **P-00010**

Panteric. Diastase vera. Pankrotanon. Zypanar

[8049-47-6]

Isol. from pancreas of pig and cow. Digestive enzyme. Yellow amorph. powder. Component of Donnazyme, Entozyme and Stamyl.

U.S.P., 3 223 594, (*1965*); *CA*, **64**, 8578g (*synth*)
Lang, H. *et al*, *Gastroenterologia*, 1967, **107**, 203 (*pharmacol*)
Bar, D., *Bull. Soc. Pharm. Lille*, 1970, 135 (*rev*)
Groezinger, K.H. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1152 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3731.

Pancrelipase, USAN **P-00011**

Accelerase. Cotazym. Ilozyme. Pancrease. RoBile. Triacylglycerol lipase. Lipancreatin. ***Rizolipase, INN***

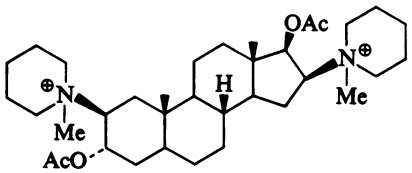
[9001-62-1]

A concentrate of pancreatic enzymes standardised for lipase content. Digestive enzyme.

Laboureur, P. *et al*, *Bull Soc. Chim. Biol.*, 1966, **48**, 747; 1967, **49**, 71; 1968, **50**, 2179 (*isol, props*)
Leger, C. *et al*, *World Rev. Nutr. Diet.*, 1980, **35**, 96 (*rev*)
Cho, Y.W. *et al*, *J. Clin. Pharmacol.*, 1981, **21**, 224 (*rev*)
Lorentz, K. *et al*, *Med. Lab.*, 1981, **34**, 272 (*rev*)
Borgstroem, B. *et al*, Eds., *Lipases*, Elsevier, Amsterdam, 1984 (*book*)
Macrae, A.R. *et al*, *Biotechnol. Genet. Eng. Rev.*, 1985, **3**, 193 (*rev, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3732.

Pancuronium(2+) **P-00012**

[3,17-Bis(acetyloxy)androstane-2,16-diyl]bis(1-methylpiperidinium), 9CI



$C_{35}H_{60}N_2O_4^{\oplus\oplus}$ M 572.870 (ion)

Potent neuromuscular blocking agent.

Dibromide: [15500-66-0]. *Pancuronium bromide, BAN, USAN, INN, JAN. Mioblock. Myoblock. Pavulon. NA 97.*

$C_{35}H_{60}Br_2N_2O_4$ M 732.678

Bitter-tasting cryst. V. sol. H_2O. Mp 215°.

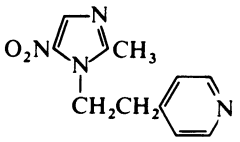
▷TN4930000.

Savage, D.S. *et al*, *J. Chem. Soc.* (*B*), 1971, 410 (*cryst struct*)
Speight, T.M. *et al*, *Drugs*, 1972, **4**, 163 (*rev*)
Buckett, W.R. *et al*, *J. Med. Chem.*, 1973, **16**, 1116 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5727.

Panidazole, BAN, INN **P-00013**

4-[2-(2-Methyl-5-nitro-1H-imidazol-1-yl)ethyl]-pyridine, 9CI. 4-[2-(2-Methyl-5-nitroimidazol-1-yl)-ethyl]pyridine, 8CI. 2-Methyl-5-nitro-1-[2-(γ-pyridyl)-ethyl]imidazole. WB 5040/2

[13752-33-5]



$C_{11}H_{12}N_4O_2$ M 232.241

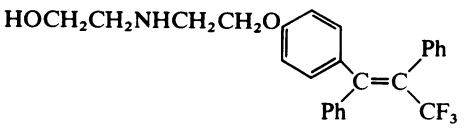
Antiprotozoal. Mp 108-111°.

▷UT5660000.

Netherlands Pat., 6 606 335, (*1966*); *CA*, **66**, 95045 (*synth*)
Pickholz, S. *et al*, *Experientia*, 1970, **26**, 1025 (*pharmacol*)
Shapero, M. *et al*, *Am. Trop. Med. Parasitol.*, 1972, **66**, 187 (*pharmacol*)

Panomifene, INN **P-00014**

2-[[2-[4-(3,3,3-Trifluoro-1,2-diphenyl-1-propenyl)-phenoxy]ethyl]amino]ethanol, 9CI



(*E*)-form

$C_{25}H_{24}F_3NO_2$ M 427.465

(*E*)-**form** [77599-17-8]

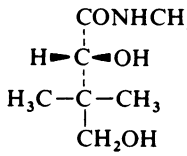
GYKI 13504

Antioestrogen, antineoplastic agent. Cryst. (EtOAc/hexane). Mp 96-98°.

B.P., 2 058 061, (*1981*); *CA*, **95**, 150147d (*synth, pharmacol*)
Borvendeg, J. *et al*, *Exp. Clin. Endocrinol.*, 1985, **86**, 368 (*pharmacol*)

Panthenol, BAN, USAN, INN **P-00015**

2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutanamide, 9CI. Panthoderm



(*R*)-form
Absolute configuration

$C_9H_{19}NO_4$ M 205.253

▷ES4316000.

(*R*)-**form** [81-13-0]

Dexpanthenol, BAN, USAN, INN

Drug used in treatment of paralytic ileus and postoperative distension. Also a growth factor related to pantothenic acid. Viscous oil. V. sol. H_2O, spar. sol. Et_2O. d_{20}^{20} 1.2. $Bp_{0.2}$ 118-120°. $[\alpha]_D^{20}$ +29.7° (c, 0.03 in H_2O). n_D^{20} 1.497.

▷ES4316000.

(*S*)-**form**

$[\alpha]_D^{20}$ −28.4° (c, 0.03 in H_2O).

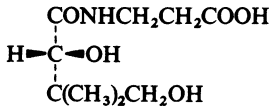
(±)-**form** [16485-10-2]

Bactericide, used in cosmetics. Sol. H_2O. $Bp_{0.02}$ 118-120°.

Schnider, O., *CA*, 1947, **41**, 6199a (*synth*)
Gavein, T.W., *Seifen, Oele, Fette, Wasche*, 1963, **89**, 203 (*synth, rev*)
Shimizu, S. *et al*, *Agric. Biol. Chem.*, 1974, **38**, 1989 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1374.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7869.

Pantothenic acid **P-00016**

N-(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)-β-alanine, 9CI. Vitamin B_5



(*R*)-form

$C_9H_{17}NO_5$ M 219.237

(*R*)-**form** [79-83-4]

Growth-promoting and antidermatitic factor ("Filtrate factor") of vitamin *B* complex, present in living cells, particularly of the liver. Found in queen bee jelly. Protects grasses against Dalapon effect. Viscous oil. $[\alpha]_D^{25}$ +37.5° (H_2O). Extremely hygroscopic.

▷RU4729000.

Ca salt: [137-08-6]. *Calcium pantothenate, BAN, USAN, INN. Calpanate. Pantholin. Numerous proprietary names.* Enzyme cofactor vitamin. Cryst. (MeOH). Mp 195-196°. $[\alpha]_D^{26}$ +28.2° (H_2O). Anisotropic. Component of Stuartinic.

▷RU4375000.

Me ester: [50692-78-9].
$C_{10}H_{19}NO_5$ M 233.264
Oil. $Bp_{0.1}$ 120-125°. $[\alpha]_D^{15}$ +37.1° (Me_2CO).

4'-O-(β-D-Glucoside):
$C_{15}H_{27}NO_{10}$ M 381.379
Microbial growth factor from tomato juice.

(*S*)-**form** [37138-77-5]

Shows no biological activity. Viscous oil. $[\alpha]_D^{21}$ −26.7° (H_2O), −56.3° (MeOH).

(±)-**form** [599-54-2]

Viscous oil.

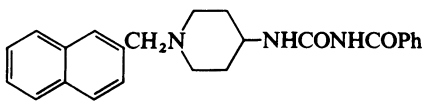
Et ester:
$C_{11}H_{21}NO_5$ M 247.291
$Bp_{0.001}$ 118-120°.

Woolley, D.W. *et al*, *J. Biol. Chem.*, 1939, **129**, 673; *J. Am. Chem. Soc.*, 1940, **62**, 2251 (*synth*)
Reichstein, T. *et al*, *Helv. Chim. Acta*, 1940, **23**, 650, 1276; 1941, **24**, 185 (*synth, cryst struct*)
Stiller, E.T. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 1776, 1779, 1784, 1785; 1941, **63**, 1237, 2846 (*synth*)
Harris, S.A. *et al*, *J. Am. Chem. Soc.*, 1941, **63**, 2662 (*synth*)
Amachi, T. *et al*, *Tetrahedron Lett.*, 1970, 4871 (*deriv*)
Hill, R.K. *et al*, *Biochem. Biophys. Res. Commun.*, 1970, **38**, 181 (*abs config*)
Inagaki, M., *Chem. Pharm. Bull.*, 1977, **25**, 1001 (*cryst struct*)
Fox, H.M., *Food Sci. Technol.*, 1984, **13**, 437 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1356.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7867.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 622.

Panuramine, BAN, INN **P-00017**

N-[[[1-(2-Naphthalenylmethyl)-4-piperidinyl]amino]-carbonyl]benzamide, 9CI. 1-Benzoyl-3-[1-(2-naphthylmethyl)-4-piperidyl]urea

[80349-58-2]



$C_{24}H_{25}N_3O_2$ M 387.480

Antidepressant.

B,HCl: [80349-03-7]. *Wy 26002.* Cryst. + $^1/_2H_2O$. Mp 232-234°.

Eur. Pat., 35 374, (*1981*); *CA*, **96**, 35104w (*synth, pharmacol*)

Papain, USAN P-00018

Caroid. Papayotin. Vegetable pepsin. Arbuz. Nematolyt. Summetrin. Tromasin. Velardon. Vermizym

[9001-73-4]

Purified proteolytic substance derived from *Carica papaya*. Proteolytic enzyme used to prevent adhesions, internally as protein digestant, as anthelmintic. Component of Panafil.

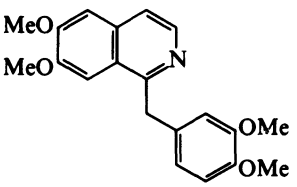
▷RU4950000.

Zoch, E., *Arzneim.-Forsch.*, 1969, **19**, 1593 (*rev, isoln, uses*)
Arnon, R., *Methods Enzymol.*, 1970, **19**, 226 (*rev*)
Liener, I.E., *Adv. Chem. Ser.*, 1974, **136**, 202 (*rev, props, uses*)
Kamphius, I.G. *et al*, *J. Mol. Biol.*, 1984, **179**, 233 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3733.

Papaverine P-00019

6,7-Dimethoxy-1-(3,4-dimethoxybenzyl)isoquinoline. Papaveroline tetramethyl ether. NSC 35443. Numerous proprietary names

[58-74-2]



$C_{20}H_{21}NO_4$ M 339.390

Alkaloid from *Papaver somniferum* and *Rauwolfia serpentina* (Papaveraceae, Apocynaceae). Prisms (EtOH/Et_2O). Smooth muscle relaxant, vasodilator, antiasthmatic agent. Oral antispasmodic agent which has been used for treating gastrointestinal spasm. Mp 147-148°.

▷NW8450000.

B,HCl: [61-25-6]. *Papaverine hydrochloride, USAN. Cerespan. Pavabid.* Rods (H_2O). Mp 221-222° dec. Component of Copavin.

▷NW8575000.

B,MeI: Mp 60-65° (hydrate), 195° (anhyd.).

▷Highly toxic orally

$O^{3'}$-De-Me: [18694-10-5]. ***Palaudine***.

$C_{19}H_{19}NO_4$ M 325.363

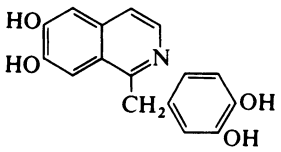
Minor alkaloid from opium (Papaveraceae). Prisms (EtOH). Mp 175-176°.

Hofmann, A., *Helv. Chim. Acta*, 1954, **37**, 849 (*uv*)
Guthrie, D.A. *et al*, *Can. J. Chem.*, 1955, **33**, 729 (*synth*)
Popp, F.D. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3773 (*synth*)
Saferstein, R., *CA*, 1974, **80**, 44458m (*ms*)
Brochmann-Hanssen, E. *et al*, *J. Pharm. Sci.*, 1968, **57**, 940 (*Palaudine*)
Brochmann-Hanssen, E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 1531 (*biosynth*)
Manske, R.H.F., Ed., *The Alkaloids*, Academic Press, N.Y., 1975, 209 (*pharmacol, tox*)
Neuman, M., *Drugs of Today*, 1976, **12**, 278 (*rev*)
Tomimatsu, T. *et al*, *CA*, 1977, **87**, 23573z (*pmr*)
Whipple, G.H., *Angiology*, 1977, **28**, 737 (*rev*)
Marsaioli, A.J. *et al*, *Phytochemistry*, 1978, **17**, 1655 (*cmr*)
Wilen, G. *et al*, *J. Pharm. Pharmacol.*, 1982, **34**, 264 (*metab*)
Hifnawy, M.S. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 367 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5221, 5222, 5223, 5224, 13076.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5642 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 884.

Papaveroline, BAN, INN P-00020

1-[(3,4-Dihydroxyphenyl)methyl]-6,7-isoquinolinediol, 9CI. 1-(3,4-Dihydroxybenzyl)-6,7-isoquinolinediol, 8CI. 6,7-Dihydroxy-1-(3,4-dihydroxybenzyl)isoquinoline. Modus. Udieci active substance

[574-77-6]



$C_{16}H_{13}NO_4$ M 283.283

Vasodilator; also t-RNA transferase inhibitor (potential antineoplastic agent). Cryst. powder + $2H_2O$, becoming anhyd. at ca. 100°. Mp 150° dec.

B,HCl: Needles + $1H_2O$. Sol. hot H_2O. Mp ca. 250° dec.

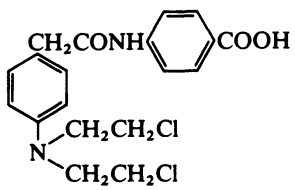
B,HI: Needles + $2H_2O$ (H_2O). Mp 230°.

Kitasato, Z. *et al*, *J. Chem. Soc.*, 1932, 785 (*synth*)
Vitali, T. *et al*, *Chimica (Milan)*, 1952, **7**, 409 (*synth*)
Cheng, C.C., *J. Pharm. Sci.*, 1972, **61**, 645 (*use*)
Data, P.G. *et al*, *Farmaco, Ed Sci.*, 1981, **36**, 302 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13077.

Paphencyl P-00021

4-[[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl]amino]-benzoic acid, 9CI. Pafencil

[53498-76-3]



$C_{19}H_{20}Cl_2N_2O_3$ M 395.285

Antineoplastic agent.

Kireeva, I.V. *et al*, *Farmakol. Toksikol. (Moscow)*, 1981, **44**, 718 (*pharmacol*)

Paraflutizide, INN P-00022

6-Chloro-3-(p-fluorobenzyl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 8CI. LD 3612

[1580-83-2]



$C_{14}H_{13}ClFN_3O_4S_2$ M 405.846

(±)-form

Diuretic. Mp 139° (239°).

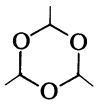
Fr. Pat., M1374, (*1962*); *CA*, **58**, 2462c (*synth, pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1966, **33**, 298 (*synth*)

Blaschke, G. *et al*, *J. Pharm. Sci.*, 1985, **74**, 438 (*resoln*)

Paraldehyde P-00023

2,4,6-Trimethyl-1,3,5-trioxane, *9CI. Paraacetaldehyde. Paral*

[123-63-7]



$C_6H_{12}O_3$ M 132.159

Samples normally consist of a mixt. of the two possible geom. isomers, which can be sepd. by glc. Hypnotic. Spar. sol. H_2O. Mp 12.6°. Bp 128°. Gives acetaldehyde on warming with few drops of conc. H_2SO_4 or boiling with dil. HCl.

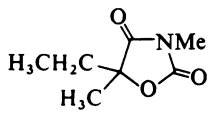
▷Narcotic vapour. Highly flammable. YK0525000.

Vogt, R.R. *et al*, *J. Am. Chem. Soc.*, 1921, **43**, 2078 (*synth*)
U.S.P., 2 864 827, (*1958*); *CA*, **53**, 5739 (*synth*)
Astrup, E.E., *Acta Chem. Scand.*, 1973, **27**, 1345 (*cryst struct*)
Zaleska, M.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1983, **224**, 614 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4055.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 603.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 885.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 425.

Paramethadione, BAN, INN P-00024

5-Ethyl-3,5-dimethyl-2,4-oxazolidinedione, *9CI. Isoethadione. Paradione*

[115-67-3]



$C_7H_{11}NO_3$ M 157.169

▷RP9800000.

(±)-form

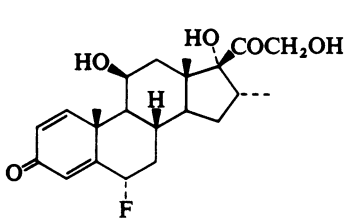
Anticonvulsant. Oil with fruity odour. d_4^{25} 1.118-1.240. Bp_{11} 101-102°.

B.P., 626 971, (*1950*); *CA*, **44**, 3044
Davies, J.S.H. *et al*, *J. Chem. Soc.*, 1950, 36.
B.P., 644 422, (*1951*); *CA*, **45**, 3876
Coutts, R.T. *et al*, *Org. Mass. Spectrom.*, 1970, **3**, 735 (*ms*)
Withrow, C.D. *et al*, *Adv. Neurol.*, 1980, **27**, 577 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6615.

Paramethasone, BAN, INN P-00025

6α-Fluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione

[53-33-8]



$C_{22}H_{29}FO_5$ M 392.467

Glucocorticoid.

21-Ac: [1597-82-6]. ***Paramethasone acetate, USAN.*** *Haldrate. Metilar. Haldrone. Monocortin. Stemex. Other proprietary names.*

$C_{24}H_{31}FO_6$ M 434.504

Glucocorticoid. Cryst. (Me_2CO/hexane). Mp 180° and 230-233°. $[\alpha]_D$ +84° ($CHCl_3$).

▷TU4025000.

21-Phosphate: [16562-18-8].

$C_{22}H_{30}FO_8P$ M 472.446

Glucocorticoid.

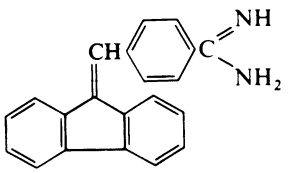
21-Phosphate, di-Na salt: [2145-14-4]. *Parmethasone disodium phosphate. Cortidene soluble. Monocortin* S. *Solu-Dilar. Soludillar. RS 404.* Mp 200-201°. $[\alpha]_D^{20}$ +75° (H_2O).

Edwards, J.A. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2318.
Belg. Pat., 634 550, (*1963*); *CA*, **61**, 8373 (*phosphate*)
Zicha, L. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 1056 (*pharmacol*)
Hickey, J.P. *et al*, *J. Magn. Reson.*, 1980, **38**, 501 (*cmr*)
Joseph-Nathan, P. *et al*, *Spectrochim. Acta, Part A*, 1984, **40**, 347 (*F-19 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7129 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1119.

Paranyline P-00026

4-(9H-Fluoren-9-ylidenemethyl)-benzenecarboximidamide, *9CI. α-Fluoren-9-ylidene-p-toluamidine*, *8CI.* ***Renytoline, INN.*** *Mer 27*

[1729-61-9]



$C_{21}H_{16}N_2$ M 296.371

Antiinflammatory agent.

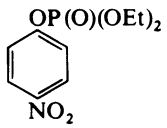
B,HCl: [5585-60-4]. *Paranyline hydrochloride, USAN.* Cryst. (MeOH/2-propanol). Mp 308°.

Allen, R.E. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 591 (*synth*)
Stucki, J.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1962, **4**, 362 (*pharmacol*)

Paraoxon P-00027

O,O-*Diethyl* O-(*4-nitrophenyl*) *phosphate*, *9CI. Eticol. Fosfakol. Mintacol. Miotisal* A. *Phosphacol. Soluglaucit. E 600. TS 219*

[311-45-5]



$C_{10}H_{14}NO_6P$ M 275.197

Cholinergic, miotic, insecticide, metab. and product of photodegradative oxidn. of Parathion. Reddish-yellow oily liq. with slight odour. Spar. sol. H_2O. d_4^{20} 1.274. $Bp_{0.5}$ 160-162°.

▷TC2275000.

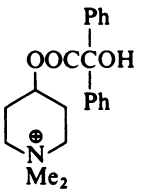
Fr. Pat., 1 372 446, (*1964*); *CA*, **61**, 16016 (*synth*)
v. Hooidonk, C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1967, **86**, 449 (*props*)
Keith, L.H. *et al*, *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1063 (*pmr*)
Boyd, G.R., *J. Agric. Food Chem.*, 1970, **18**, 742 (*synth*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)

Ashani, Y. *et al*, *J. Med. Chem.*, 1973, **16**, 446 (*props*)
Holmstead, R.L. *et al*, *J. Assoc. Off. Anal. Chem.*, 1974, **57**, 1050 (*ms*)
Kráčmar, J. *et al*, *Pharmazie*, 1976, **31**, 614 (*uv*)
Horner, L. *et al*, *Justus Liebigs Ann. Chem.*, 1977, 61 (*props*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 580.

Parapenzolate(1+) **P-00028**

4-[(Hydroxydiphenylacetyl)oxy]-1,1-dimethylpiperidinium, 9CI. 4-Hydroxy-1,1-dimethylpiperidinium benzilate, 8CI. Parapenzolone

[15394-61-3]



$C_{21}H_{26}NO_3^{\oplus}$ M 340.441 (ion)

Anticholinergic and spasmolytic drug.

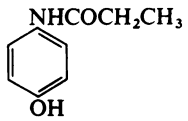
Bromide: [5634-41-3]. *Parapenzolate bromide, USAN, INN. Dorela. Neupran. Relanol. Relenol. Spacine. Vagopax. Sch 3444.*
$C_{21}H_{26}BrNO_3$ M 420.345
Mp 237-238°.

Coan, S.B. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3701 (*synth*)
Klosa, J. *et al*, *J. Prakt. Chem.*, 1962, **16**, 71.
Bouyard, P. *et al*, *CA*, 1967, **67**, 115676 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 400.

Parapropamol, INN **P-00029**

N-(4-Hydroxyphenyl)propanamide, 9CI. 4'-Hydroxypropionanilide, 8CI. Solvodol

[1693-37-4]



$C_9H_{11}NO_2$ M 165.191

Antibacterial agent, analgesic. Mp 167-168°.

DeFeo, R.J. *et al*, *J. Org. Chem.*, 1963, **28**, 2915 (*synth*)
Theus, P.M. *et al*, *Pharmazie*, 1967, **22**, 584 (*props*)
Podesta, M. *et al*, *Boll. Chim. Farm.*, 1970, **109**, 528 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2680.

Parathyrin **P-00030**

Parathormone, 9CI. Parathyroid hormone. PTH

[9002-64-6]

Structure consists of a single-chain polypeptide of 84 amino acid residues. Sequence varies slightly among mammalian spp.

M ca. 9500

Regulatory factor in the homeostatic control of calcium and phosphate metabolism, its principle sites of activity being the skeleton, kidneys and gastrointestinal tract. Prime function is to raise plasma calcium concentrations.

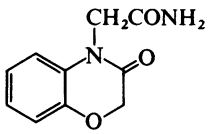
▷RV9323000.

Brewer, H.B. *et al*, *Proc. Natl. Acad. Sci. USA*, 1970, **67**, 1862 (*struct*)
Niall, H.D. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1970, **351**, 1586 (*struct*)
O'Riorden, J.L.H. *et al*, *Endocrinology*, 1971, **89**, 234 (*isol*)
O'Riorden, J.L.H. *et al*, *Proc. R. Soc. Med.*, 1971, **64**, 1263 (*struct*)
Potts, J.T. *et al*, *Proc. Natl. Acad. Sci. USA*, 1971, **68**, 63 (*synth*)
Hendy, G.N. *et al*, *Proc. Natl. Acad. Sci. USA*, 1981, **78**, 7365 (*cloning*)
Potts, I.T. *et al*, *Adv. Protein Chem.*, 1982, **35**, 323 (*rev*)

Paraxazone, INN **P-00031**

2,3-Dihydro-3-oxo-4H-1,4-benzoxazine-4-acetamide, 9CI, 8CI. 1409 RB

[26513-79-1]



$C_{10}H_{10}N_2O_3$ M 206.201

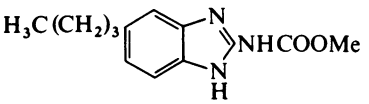
Anticonvulsant. Cryst. (DMF). Mp 260°.

B.P., 1 173 942, (*1969*); *CA*, **72**, 55474 (*synth, pharmacol*)

Parbendazole, BAN, INN, USAN **P-00032**

(5-Butyl-1H-benzimidazol-2-yl)carbamic acid methyl ester, 9CI. Helmatac. Neminil. Verminun. Worm guard. SKF 29044

[14255-87-9]



$C_{13}H_{17}N_3O_2$ M 247.296

Anthelmintic. Cryst. (EtOH aq.). Mp 225-227° dec. Approved for veterinary use only in the UK.

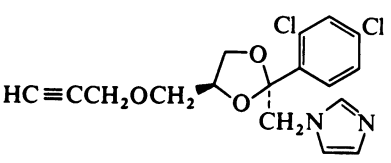
▷DD6495000.

Actor, A. *et al*, *Nature (London)*, 1967, **215**, 321
Ostmann, O.W. *et al*, *Prog. Antimicrob. Anticancer Chemother.*, 1969, **1**, 159 (*rev*)
Dunn, G.L. *et al*, *J. Med. Chem.*, 1973, **16**, 996 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13081.

Parconazole, INN **P-00033**

1-[[2-(2,4-Dichlorophenyl)-4-[(2-propynyloxy)methyl]-1,3-dioxolan-2-yl]methyl]-1H-imidazole, 9CI

[61400-59-7]



Relative configuration

$C_{17}H_{16}Cl_2N_2O_3$ M 367.231

Antifungal agent.

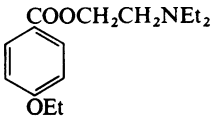
B,HCl: [62973-77-7]. *Parconazole hydrochloride, USAN. R 39500.* Mp 172.6°.

U.S.P., 4 101 666, (*1978*); *CA*, **90**, 23056 (*synth, pharmacol*)

Parethoxycaine, INN P-00034

2-(Diethylamino)ethyl 4-ethoxybenzoate, 9CI. Diethoxin. Intracaine. Maxicaine. Medicaina. Prescaine

[94-23-5]



$C_{15}H_{23}NO_3$ M 265.352

Local anaesthetic.

B,HCl: [136-46-9]. Mp 172.5-173.5°.

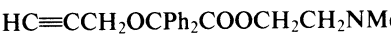
▷DG9876000.

U.S.P., 2 404 691, (*1946*); *CA*, **41**, 155c (*synth*)
Rohmann, C. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 388 (*synth, tox*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 610 (*pharmacol*)
Buechi, J. *et al*, *Pharm. Acta Helv.*, 1972, **47**, 377 (*glc*)
Gansow, O.A. *et al*, *Tetrahedron*, 1972, **28**, 2691 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13082.

Pargeverine, INN P-00035

2-(Dimethylamino)ethyl diphenyl(2-propynyloxy)-acetate, 8CI. Propinox. Bipasmin. Doledon. Elidol A. *Gastrinerval. Sertal. Terisal. Vagopax. BE 50. R 164*

[13479-13-5]



$C_{21}H_{23}NO_3$ M 337.418

Analgesic, antispasmodic agent. Oil.

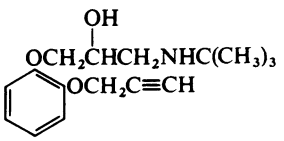
B,HCl: [2765-97-1]. Mp 162-163°.

Kupke, D. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 312; *Naturwissenschaften*, 1963, **50**, 127 (*pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1964, **26**, 32 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3410.

Pargolol, INN P-00036

1-[(1,1-Dimethylethyl)amino]-3-[2-(2-propynyloxy)-phenoxy]-2-propanol, 9CI. 1-[tert-*Butylamino-3-*[(o-*2-propynyloxy)phenoxy*]*-2-propanol. Kö 1400. RU 21824*

[47082-97-3]



$C_{16}H_{23}NO_3$ M 277.363

No phys. props. reported.

(±)-*form*

β-Adrenergic blocking agent, antiarrhythmic drug.

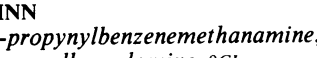
B,HCl: [36902-82-6].

Marmo, E. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 1109 (*synth, pharmacol*)

Pargyline, BAN, INN P-00037

N-*Methyl*-N-*2-propynylbenzenemethanamine, 9CI.* N-*Methyl*-N-*2-propynylbenzylamine, 8CI*

[555-57-7]



$C_{11}H_{13}N$ M 159.230

Antihypertensive agent; monoamine oxidase inhibitor. Bp_{11} 96-97°.

▷DP6475000.

B,HCl: [306-07-0]. *Pargyline hydrochloride, USAN. Eutonyl. NSC 43798. Other proprietary names.* Cryst. ($EtOH/Et_2O$). Sol. H_2O (sol. unstable). Mp 154-155°.

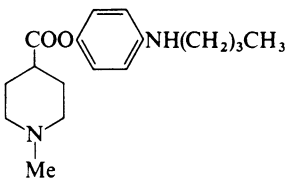
▷DP6650000.

B.P., 906 245, (*1963*); *CA*, **58**, 5570
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Fowler, J.S., *J. Org. Chem.*, 1977, **42**, 2637 (*synth*)
Fowler, C.J. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 341 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1949 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 886.

Paridocaine, INN P-00038

1-Methyl-4-piperidinyl 4-(butylamino)benzoate, 9CI

[7162-37-0]



$C_{17}H_{26}N_2O_2$ M 290.405

Local anaesthetic. Mp 109-111°. $Bp_{0.05}$ 185-195°.

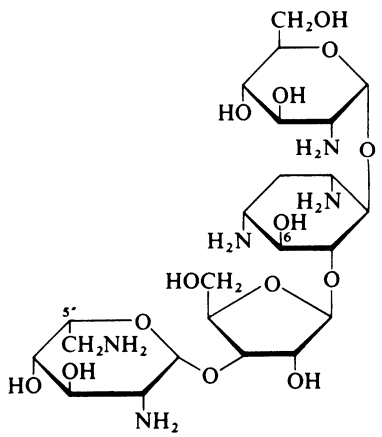
▷DG4907000.

Ger. Pat., 1 242 231, (*1967*); *CA*, **68**, 49454u (*synth, pharmacol*)

Paromomycin, BAN, INN P-00039

Aminosidine I. *Catenulin. Gabbromycin. Hydroxymycin. Monomycin. Neomycin* E. *Paramomycin* I. *Quintomycin* C. *Zygomycin* A_1. *2230D. SF 767B. Antibiotic 2230D. Antibiotic SF 767B. Numerous proprietary names*

[7542-37-2]



$C_{23}H_{45}N_5O_{14}$ M 615.634

Aminocyclitol antibiotic. Produced by *Streptomyces rimosus paramomycinus*. Shows broad spectrum antibiotic activity. Amoebicide. Amorph. solid. $[\alpha]_D^{25}$ +65° (c, 1 in H_2O).

▷WK2315000.

B,HCl: $[\alpha]_D^{25}$ +56.5° (c, 1 in H_2O).
B,H_2SO_4: [1263-89-4]. *Paromomycin sulfate, USAN.* $[\alpha]_D^{25}$ +50.5° (c, 1.5 in H_2O).
▷WK2320000.

N^1-*Ac:* **N^1-Acetylparomomycin *I*.**
$C_{25}H_{47}N_5O_{15}$ M 657.671
Isol. from *S. circulatus*. Active against gram-positive and -negative bacteria.

3-N-*Me:* **3-N-Methylparomomycin *I*.**
$C_{24}H_{47}N_5O_{14}$ M 629.660
From a *Streptoverticillium* sp. Shows similar antimicrobial activity as parent.

3-N-*Me; B,*$^1/_2H_2CO_3$: Powder. Mp 163-167° dec. $[\alpha]_D^{20}$ +67.2° (c, 1 in H_2O).

2′-N-*Et:* [57785-97-4]. 2′-N-*Ethylparamomycin.*
$C_{25}H_{49}N_5O_{14}$ M 643.687
Semisynthetic. Shows broader antibacterial spectrum than Paramomycin.

2′-N-*Et, Sulfate:* [66749-20-0]. Mp 285° dec. $[\alpha]_D$ +36° (H_2O).

5‴-*Epimer:* [51795-47-2]. **Paromomycin *II*.** *Neomycin F. Aminosidine II. Zygomycin* A_2.
$C_{23}H_{45}N_5O_4$ M 455.640
Minor prod. of *Streptomyces rimosus* forma *paramomycinus*. Shows broad-spectrum activity.
▷WK1977000.

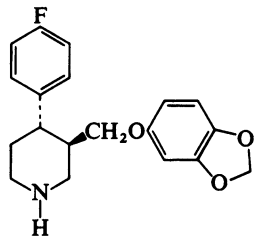
6-*Deoxy:* [61430-99-7]. **6-Deoxyparamomycin *I*.**
$C_{23}H_{45}N_5O_{13}$ M 599.634
From *S. rimosus* forma *paromomycinus*. Less active than Paromomycin I.

5‴-*Epimer, 6-Deoxy:* [61476-28-6]. **6-Deoxyparomycin *II*.**
$C_{23}H_{45}N_5O_{13}$ M 599.634
From *S. rimosus* forma *paromomycinus*. Less active than Paromomycin II.

Haskell, T.H. *et al, J. Am. Chem. Soc.*, 1959, **81**, 3480, 3482 (*isol, uv, ir*)
Schillings, R.T. *et al, Antimicrob. Agents Chemother.*, 1961, 274.
Haskell, T.H. *et al, J. Org. Chem.*, 1963, **28**, 2598 (*struct, stereochem*)
Hichens, M. *et al, J. Am. Chem. Soc.*, 1963, **85**, 1547 (*abs config*)
Konstantinova, N.V. *et al, Antibiotiki (Moscow)*, 1965, **10**, 989 (*deriv*)
de Jongh, D.C. *et al, J. Am. Chem. Soc.*, 1967, **89**, 3364 (*ms, struct*)
Hessler, E. *et al, J. Antibiot.*, 1970, **23**, 464.
Cleophax, J. *et al, J. Am. Chem. Soc.*, 1976, **98**, 7110 (*deriv*)
Cassinelli, G. *et al, J. Antibiot.*, 1978, **31**, 379 (*deriv*)
Autissier, D. *et al, J. Antibiot.*, 1981, **34**, 536 (*deriv*)
Battistini, C. *et al, J. Antibiot.*, 1982, **35**, 98 (*deriv*)
Rengaraju, S. *et al, J. Antibiot.*, 1986, **39**, 1598 (*deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7028.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 123.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 251.

Paroxetine, BAN, INN P-00040

3-[(1,3-Benzodioxol-4-yloxy)methyl]-4-(4-fluorophenyl)piperidine, 9CI. 5-[4-(3-Fluorophenyl)-3-piperidylmethoxy]-1,3-benzodioxole. 4-(4-Fluorophenyl)-3-(3,4-methylenedioxyphenoxy)piperidine



Relative configuration

$C_{19}H_{20}FNO_3$ M 329.370

(*3R*,4R)-form** [61869-08-7]
(−)-trans-*form*
Antidepressant.

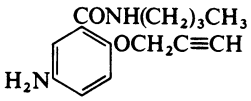
Acetate (salt): [72473-27-9].
B,HCl: [79109-07-2].

Petersen, E.N. *et al, Eur. J. Pharmacol.*, 1978, **52**, 115 (*pharmacol*)
Lund, J. *et al, Acta Pharmacol. Toxicol.*, 1979, **44**, 289 (*pharmacol, tox*)
Anon, *Drugs Future*, 1986, **11**, 112 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18670.

Parsalmide, INN P-00041

5-Amino-N-butyl-2-(2-propynyloxy)benzamide, 9CI. Parsal. Sinovial. CB 54106. MY 41-6

[30653-83-9]

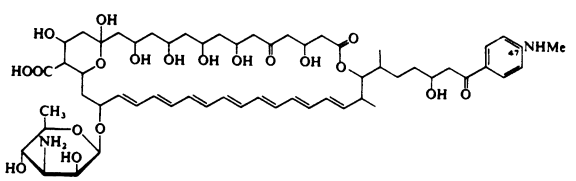


$C_{14}H_{18}N_2O_2$ M 246.308
Muscle relaxant, antiinflammatory agent. Cryst. (EtOH). Mp 85-87°.
▷CU9060000.

Ger. Pat., 2 029 991, (*1970*); *CA*, **74**, 64083q (*synth, pharmacol*)
Pedrazzoli, A. *et al, Boll. Chim. Farm.*, 1976, **115**, 125 (*synth, pharmacol, metab, tox*)
De Angelis, L., *Drugs of Today*, 1978, **14**, 164 (*rev, pharmacol*)
Fleischmann, L., *Boll. Chim. Farm.*, 1980, **119**, 385 (*rev, pharmacol*)
Carminati, P. *et al, Farmaco, Ed. Prat.*, 1981, **36**, 58 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13084.

Partricin *A* P-00042

[76551-64-9]



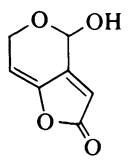
$C_{59}H_{86}N_2O_{19}$ M 1127.330
Polyene antibiotic. Same gross struct. as Gedamycin. From *Streptomyces aureofaciens*. Antifungal antiprotozoal agent. Greenish-yellow powder + $2^1/_2H_2O$. Mp >300° dec. pK_a 6.07, .91 (70% DMF aq.). λ_{max} 232, 240, 247, 288, 342, 358, 378, 400 nm (MeOH). Strain also produces Partricin C (minor component).

Me ester: [62534-68-3]. ***Mepartricin* A.** *Mepartricin, INN, BAN, USAN. Methylpartricin. Ipertrofan. Montricin. Tricandil. SN 654. SPA-S 160.*
$C_{60}H_{88}N_2O_{19}$ M 1141.357
Prod. by *S. aureofaciens*. Used for treating vaginal infections. Shows good activity with reduced mammalian toxicity. The Me ester of the undifferentiated Partricin complex is the usual product.
N-*Ac:* Brownish-yellow. Mp 156-160° dec.
N-*De-Me:* [76551-65-0]. ***Partricin* B.**
$C_{58}H_{84}N_2O_{19}$ M 1113.304
Isol. from *S. aureofaciens*. Antifungal and antiprotozoal agent. Brownish-yellow powder + $2\frac{1}{2}H_2O$. Mp >300° dec. $[\alpha]_D^{26}$ +87.2° (c, 0.06 in DMF). pK_a 6.31, .95 (70% DMF aq.).
N-*De-Me*, N,N-*Di-Ac:* Brownish-yellow powder. Mp 165-169°. pK_a 6.9 (70% DMF aq.).
N-*De-Me, Me ester:* [62534-69-4]. ***Mepartricin* B.**
$C_{59}H_{86}N_2O_{19}$ M 1127.330
From *S. aureofaciens*.

Bruzzese, T. *et al, Experientia*, 1972, **28**, 1515.
Ger. Pat., 2 154 436, (*1972*); *CA*, **77**, 32681 (*deriv*)
Ritzerfeld, W., *Farmaco, Ed. Sci.*, 1972, **27**, 235 (*Mepartricin*)
U.S.P., 3 773 925, (*1973*); *CA*, **80**, 35828 (*isol*)
Bruzzese, T. *et al, J. Pharm. Sci.*, 1975, **64**, 462 (*deriv*)
Tweit, R.C. *et al, J. Antibiot.*, 1982, **35**, 997 (*struct*)
Cybulska, B. *et al, Mol. Pharmacol.*, 1983, **24**, 270 (*deriv*)
Petrou, M.A. *et al, J. Antimicrob. Chemother.*, 1985, **16**, 169 (*Mepartricin*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2590.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2121.

Patulin P-00043

4-Hydroxy-4H-furo[3,2-c]pyran-2(6H)-one, 9CI, 8CI. Clavacin. Clavatin. Claviformin. Penicidin. Expansin. Flavicin. Mycoin C. Penicidin. Terinin
[149-29-1]

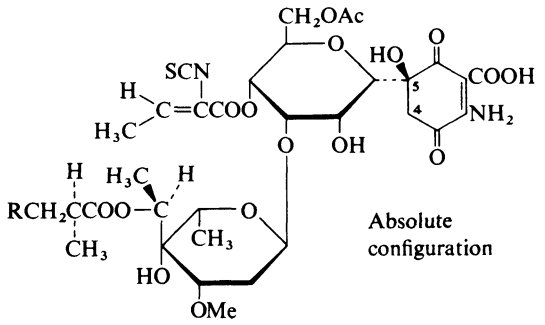


$C_7H_6O_4$ M 154.122
Antibiotic produced by several fungi, e.g. *Aspergillus clavatus, A. terreus, Penicillium patulum*. Seed germination inhibitor. Prisms or plates (Et_2O or $CHCl_3$). Mp 111°. $[\alpha]_D^{21}$ −6.2° ($CHCl_3$).
▷Exp. carcinogen. LV2625000.
Ac: [6192-26-3]. Prisms (EtOH aq.). Mp 118-120°.
Phenylhydrazone: Mp 149-150°.

Birkinshaw, J.H. *et al, Lancet*, 1943, **245**, 625 (*isol, struct*)
Bergel, F. *et al, J. Chem. Soc.*, 1944, 415 (*isol, struct*)
Woodward, R.B. *et al, J. Am. Chem. Soc.*, 1950, **72**, 1428 (*synth*)
Scott, A.I. *et al, Bioorg. Chem.*, 1974, **3**, 281 (*biosynth*)
Wilson, D.M., *Adv. Chem. Ser.*, 1976, **149**, 90 (*rev*)
Hubbard, C.R. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 928 (*cryst struct*)
Sekiguchi, J. *et al, Tetrahedron Lett.*, 1979, 41 (*biosynth*)
Pohland, A.E. *et al, Pure Appl. Chem.*, 1982, **54**, 2219 (*uv, ir, pmr, ms*)
Iijima, H. *et al, Chem. Pharm. Bull.*, 1983, **31**, 362 (*biosynth*)
Engel, G. *et al, Dev. Food Sci.*, 1984, **8**, 291 (*rev*)
Iijima, H. *et al, Chem. Pharm. Bull.*, 1986, **34**, 3534 (*biosynth*)
Cole, R.J. *et al, Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 511.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 797.

Paulomycin *A* P-00044

Volonomycin A. *NSC 163500. U 43120. Antibiotic U 43120*
[81988-77-4]



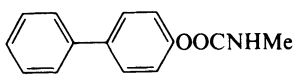
Paulomycin A R = CH_3
B R = H

$C_{34}H_{46}N_2O_{17}S$ M 786.801
Prod. by *Streptomyces paulus*. Active against gram-positive bacteria. Needles ($CHCl_3/Et_2O$). Mp 95-105° dec. $[\alpha]_D^{25}$ +27° (c, 0.95 in $CHCl_3$), $[\alpha]_D$ −22° (c, 0.95 in MeOH). Also used as undifferentiated complex.
5-Deoxy-4,5-didehydro: [94767-59-6]. *Paulomycinone* A.
$C_{34}H_{44}N_2O_{16}S$ M 768.785
Yellow solid. Mp 57-73°. $[\alpha]_D^8$ +2° (c, 0.694 in MeOH).

Argoudelis, A.D. *et al, J. Antibiot.*, 1982, **35**, 285 (*isol, uv, ir, pmr, cmr*)
Eur. Pat., 46 641, (*1982*); *CA*, **97**, 4673 (*isol*)
Marshall, V.P. *et al, J. Antibiot.*, 1984, **37**, 923 (*biosynth*)
Wiley, P.F. *et al, J. Antibiot.*, 1984, **37**, 1273 (*struct, nmr*)
Wiley, P.F. *et al, J. Org. Chem.*, 1986, **51**, 2493 (*cryst struct, abs config*)

Paxamate, INN P-00045

4-Biphenylyl methylcarbamate
[5579-05-5]

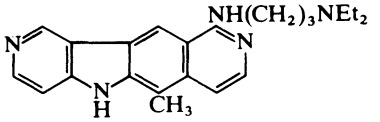


$C_{14}H_{13}NO_2$ M 227.262
Antiinflammatory agent. Cryst. Mp 117-124°.

U.S.P., 3 275 512, (*1966*); *CA*, **66**, 2331k (*synth, pharmacol*)

Pazelliptine, INN P-00046

N,N-*Diethyl*-N′-(*6-methyl-5H-pyrido[3′,4′:4,5]-pyrrolo[2,3-g]isoquinolin-10-yl*)-*1,3-propanediamine*, *9CI. BD40. NSC 327471D*
[65222-35-7]



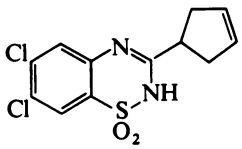
$C_{22}H_{27}N_5$ M 361.489
Antineoplastic agent. Cryst. + $1H_2O$ (C_6H_6). Mp 215-218° (as monohydrate).
▷TX7388500.

Chermann, J.C. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1977, **285**, 945 (*pharmacol*)
Rivalle, C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 142 (*synth*)
Lidereau, R. *et al*, *Bull. Cancer*, 1980, **67**, 1 (*pharmacol*)
Vilarem, M.J. *et al*, *Biochemie*, 1982, **64**, 923; 1984, **66**, 591 (*pharmacol*)
Vilarem, M.J. *et al*, *Cancer Res.*, 1985, **45**, 3906 (*pharmacol*)

Pazoxide, USAN, INN **P-00047**

6,7-Dichloro-3-(3-cyclopenten-1-yl)-2H-1,2,4-benzothiadiazine 1,1-dioxide, 9CI. *Sch 12149*

[21132-59-2]



$C_{12}H_{10}Cl_2N_2O_2S$ M 317.189

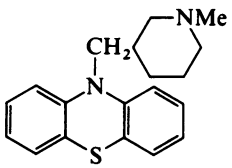
Antihypertensive drug. Mp 344-346°.

B.P., 1 133 173, (*1968*); *CA*, **70**, 28963k (*synth, pharmacol*)
Topliss, J.G. *et al*, *J. Med. Chem.*, 1972, **15**, 394 (*pharmacol*)

Pecazine, BAN, INN **P-00048**

10-[(1-Methyl-3-piperidinyl)methyl]-10H-phenothiazine, 9CI. *Mepazine. Numerous proprietary names*

[60-89-9]



$C_{19}H_{22}N_2S$ M 310.456

Sedative. Oil. Bp_4 230-235°.

▷SP2625000.

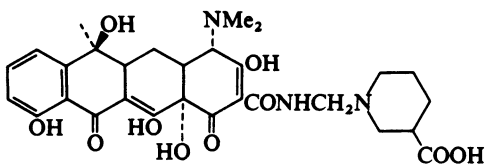
B,HCl: [2975-36-2]. Cryst. + $1H_2O$. Mp 180-181°.

▷SP2800000.

Nieschulz, O. *et al*, *Arzneim.-Forsch.*, 1954, **4**, 232; 1955, **5**, 680 (*synth, pharmacol*)
Neuhoff, E.W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1955, **268**, 400 (*anal*)
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1966, **55**, 144 (*ir, uv, pmr*)
Gilbert, J.N.T. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5290 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7079.

Pecocycline, INN **P-00049**

[15301-82-3]



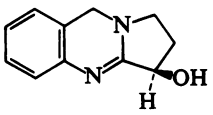
$C_{29}H_{35}N_3O_{10}$ M 585.610

Synthetic tetracycline. Antibiotic.

Netherlands Pat., 6 414 012, (*1965*); *CA*, **63**, 13180 (*synth*)

Peganine **P-00050**

1,2,3,9-Tetrahydropyrrolo[2,1-b]quinazolin-3-ol, 9CI. *Vasicine. Linarine*



Absolute configuration

$C_{11}H_{12}N_2O$ M 188.229

(R)-form [6159-55-3]

Alkaloid from the leaves of *Adhatoda vasica*, the roots of *Sida cordifolia*, and from several other *S.* spp. and *Lunaria* spp. Also present in the seeds of *Peganum harmala* (Acanthaceae, Malvaceae, Cruciferae, Zygophyllaceae). Bronchodilator and respiratory stimulant. Shows antihypertensive props. Uterine stimulant and abortifacient. Mp 211-212°. $[\alpha]_D^{14}$ −254° (c, 2.44 in $CHCl_3$). Racemises slowly in acid or upon repeated subl.

▷UY9454000.

B,HCl: Cryst. + $2H_2O$. Mp 208° (anhyd.).
B,HI: Cryst. +$2H_2O$. Mp 195° (anhyd.).
Picrate: Mp 199° dec.
B,MeI: Mp 187°.

(S)-form

Obt. by resoln. $[\alpha]_D^{24}$ +203° (+188°, +163°).

(±)-form [6159-56-4]

Major alkaloid of *Anisotes sessiliflorus*. Also present in the above-ground parts of *Peganum harmala* and the foliage of *P. nigellastrum* (Acanthaceae, Zygophyllaceae). Cryst. (Et_2O or MeOH/C_6H_6). Mp 211-212° (204-206°).

Späth, E. *et al*, *Ber.*, 1935, **68**, 1384 (*resoln*)
Leonard, J.N. *et al*, *Tetrahedron Lett.*, 1960, **No. 25**, 44 (*synth*)
Mehta, D.R. *et al*, *J. Org. Chem.*, 1963, **28**, 445 (*isol*)
Bhatnagar, A.K. *et al*, *Indian J. Chem.*, 1966, **4**, 291 (*ms*)
Arndt, R.R. *et al*, *Tetrahedron*, 1967, **23**, 3521 (*isol, uv, pmr*)
Liljegren, D.R., *Phytochemistry*, 1971, **10**, 2661 (*biosynth*)
Johne, S. *et al*, *Pharmazie*, 1973, **28**, 403 (*biosynth*)
Ghosal, S. *et al*, *Phytochemistry*, 1975, **14**, 830 (*isol*)
Szulzewsky, K. *et al*, *J. Prakt. Chem.*, 1976, **318**, 463 (*cryst struct, abs config*)
Johne, S. *et al*, *J. Prakt. Chem.*, 1977, **319**, 919 (*cmr*)
Sharma, R.L. *et al*, *Indian J. Chem., Sect. B*, 1979, **18**, 449 (*synth, pmr*)
Al-Shamma, A. *et al*, *J. Nat. Prod.*, 1981, **44**, 745 (*isol*)
Johne, S., *Alkaloids (N.Y.)*, 1986, **29**, 129 (*rev, pharmacol*)

Peimunine **P-00051**

Struct. unknown

$C_{19}H_{30}NO_2$ M 304.452

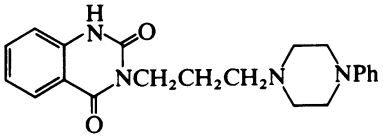
Tentative mol. formula, may be $C_{19}H_{32}NO_2$. Prob. a steroidal alkaloid. Alkaloid from the Chinese drug Peimu. Mp 223-224°. $[\alpha]_D^{26}$ −27.6°.

Liu, S.K. *et al*, *CA*, 1937, **31**, 754.
Li, S.Y., *CA*, 1942, **36**, 1940.

Pelanserin, INN **P-00052**

3-[3-(4-Phenyl-1-piperazinyl)propyl]-2,4(1H,3H)-quinazolinedione, 9CI

[2208-51-7]



$C_{21}H_{24}N_4O_2$ M 364.446

Antihypertensive agent, serotonin antagonist.

B,HCl: [42877-18-9]. *Pelanserin hydrochloride,* USAN. *TR 2515.* Cryst. (MeOH). Mp 208-209°.

Hayao, S. *et al, J. Med. Chem.*, 1965, **8**, 807 (*synth, pharmacol*)
Havera, H.J. *et al, J. Med. Chem.*, 1979, **22**, 1548 (*synth, pharmacol*)
Hong, E. *et al, Proc. West. Pharmacol. Soc.*, 1984, **27**, 1, 329; 1985, **28**, 177; 1986, **29**, 397 (*pharmacol*)

Peliomycin, USAN, INN **P-00053**

NSC 76455

[1404-20-2]

Struct. unknown

$C_{46}H_{76}O_{14}$ M 853.098

Macrotetrolide antibiotic, related to nonactin. Prod. by *Streptomyces luteogriseus.* Activity essentially limited to gram-positive bacteria. Cytotoxic. Cryst. (Et_2O/pet. ether or EtOH aq.). Mp 160-164°. $[\alpha]_D^{25}$ −74.2° (c, 1 in $CHCl_3$).

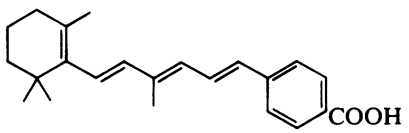
▷RX9150000.

Penta-Ac: Cryst. (pet. ether). Mp 130-134°.

Price, K.E. *et al, Antimicrob. Agents Chemother.*, 1963, 95 (*props*)
Schmitz, H. *et al, Antimicrob. Agents Chemother.*, 1963, 89 (*isol, props*)
U.S.P., 3 345 261, (*1967*); *CA*, **68**, 20920 (*manuf*)
Keller-Schierlein, W. *et al, Fortschr. Chem. Org. Naturst.*, 1968, **26**, 161.

Pelretin, INN **P-00054**

4-[4-Methyl-6-(2,6,6-trimethyl-1-cyclohexen-1-yl)-1,3,5-hexatrienyl]benzoic acid, 9CI



(E,E,E)-form

$C_{23}H_{28}O_2$ M 336.473

(E,E,E)-form [91587-01-8]

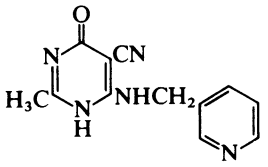
Used to control cell differentiation. Deep-yellow prisms (MeOH). Mp 217-219°.

Dawson, M.I. *et al, J. Med. Chem.*, 1984, **27**, 1516 (*synth, pharmacol*)

Pelrinone, INN **P-00055**

1,4-Dihydro-2-methyl-4-oxo-6-[(3-pyridinylmethyl)-amino]-5-pyrimidinecarbonitrile, 9CI. *AY 28768*

[94386-65-9]



$C_{12}H_{11}N_5O$ M 241.252

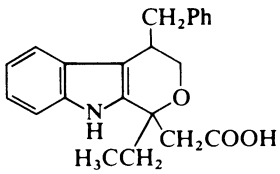
Cardiotonic. Cryst. (DMF). Mp >260°. Also used as hydrochloride (Pelrinone hydrochloride, USAN).

Hagedorn, A.A. *et al, J. Med. Chem.*, 1987, **30**, 1342 (*pharmacol*)
Hicks, D.R. *et al, J. Labelled Compd. Radiopharm.*, 1987, **24**, 747 (*synth*)
Bagli, J. *et al, J. Med. Chem.*, 1988, **31**, 814 (*synth, struct, pharmacol*)

Pemedolac, INN, USAN **P-00056**

1-Ethyl-1,3,4,9-tetrahydro-4-(phenylmethyl)-pyrano[3,4-b]indole-1-acetic acid, 9CI. *AY 30715*

[103024-44-8]



$C_{22}H_{23}NO_3$ M 349.429

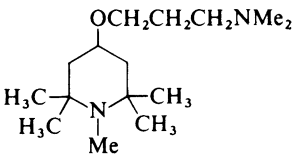
Antiinflammatory agent. Mp 142-143°.

U.S.P., 4 686 213, (*1987*); *CA*, **108**, 21869d (*synth, pharmacol*)

Pemerid, INN **P-00057**

N,N-Dimethyl-3-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy-1-propanamine, 9CI. *4-[3-(Dimethylamino)propoxy]-1,2,2,6,6-pentamethylpiperidine*

[50432-78-5]



$C_{15}H_{32}N_2O$ M 256.431

Antitussive. Used mainly as dinitrate.

B,2HNO₃: [34114-01-7]. *Pemerid nitrate,* USAN. *W 2394A.*

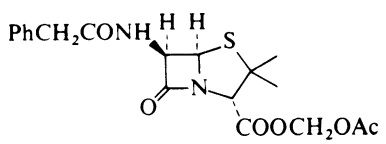
B,2HCl: Cryst. (2-propanol). Mp 252-253°.

Lutz, W.B. *et al, J. Org. Chem.*, 1962, **27**, 1695 (*synth*)
U.S.P., 3 755 586, (*1973*); *CA*, **80**, 19550c (*pharmacol*)

Penamecillin, BAN, INN, USAN **P-00058**

Acetoxymethyl 6-phenylacetamidopenicillanate. Havapen. Maripen. Wy 20788

[983-85-7]



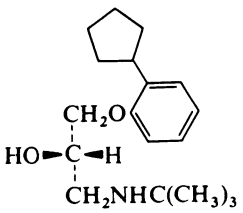
$C_{19}H_{22}N_2O_6S$ M 406.453

Semisynthetic penicillin. Orally absorbed form of benzylpenicillin. Cryst. (2-propanol/EtOH). Mp 106-108°. $[\alpha]_D^{20}$ +154°.

B.P., 1 003 479, (*1965*); *CA*, **63**, 13270
Jansen, A. *et al*, *J. Chem. Soc.*, 1965, 2127 (*synth*)
Agersborg, H.P.K. *et al*, *Br. J. Pharmacol. Chemother.*, 1966, **26**, 649 (*pharmacol*)
Launchbury, A.P., *Progr. Med. Chem.*, 1970, **7**, 1 (*rev, pharmacol*)
Ciechanowicz, M. *et al*, *Rocz. Chem.*, 1975, **49**, 433 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 124.

Penbutolol, BAN, INN P-00059

1-(2-Cyclopentylphenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, 9CI. Terbuclomine



(*S*)-*form*
Absolute configuration

$C_{18}H_{29}NO_2$ M 291.433

(S)-form [38363-40-5]
β-Adrenergic blocker.
▷UA9818500.

B,HCl: [28291-30-7]. Mp 92-93°. Bp. −26.4° (c, 1 in MeOH).
2B,H_2SO_4: [38363-32-5]. *Penbutolol sulfate, USAN. Betapressin. Blocotin. Hostabloc. Ipobar. Hoe 893d.* Mp 216-218° dec. $[\alpha]_D^{20}$ −24.6° (c, 1 in MeOH).
▷UA9818700.

Lessenich, H. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 930 (*synth, pharmacol*)
Vallner, J.J. *et al*, *J. Clin. Pharmacol.*, 1977, **17**, 231 (*pharmacol*)
Hajdu, P. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 602 (*props*)
Kaiser, J. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 420 (*pharmacol*)
Leger, M. *et al*, *Mol. Pharmacol.*, 1980, **17**, 339 (*cryst struct*)
Kan, K. *et al*, *Agric. Biol. Chem*, 1985, **49**, 207 (*synth*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1987, **55**, 13 (*polymorphism*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6318.

Pendecamaine, BAN, INN P-00060

N-(Carboxymethyl)-N,N-dimethyl-3-[(1-oxohexadecyl)amino]-1-propanaminium hydroxide, inner salt, 9CI. (Carboxymethyl)dimethyl(3-palmitamidopropyl)ammonium, 8CI. Tegobetaine

$H_3C(CH_2)_{14}CONH(CH_2)_3N^{\oplus}Me_2CH_2COO^{\ominus}$

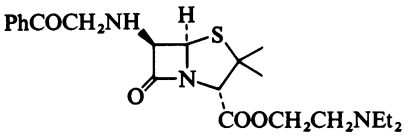
$C_{23}H_{46}N_2O_3$ M 398.628
Zwitterionic. Surface-active agent.

Ger. Pat., 2 060 439, (*1971*); *CA*, **75**, 50725 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13089.

Penethamate P-00061

2-(Diethylamino)ethyl 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylate, 9CI. 2-Diethylaminoethyl 6-(2-phenylacetamido)penicillanate

[3689-73-4]



$C_{22}H_{31}N_3O_4S$ M 433.565
Used mainly as hydroiodide. Toxic in animals only when given i.v.

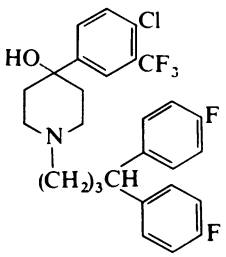
B,HI: [808-71-9]. *Penethamate hydriodide, BAN. Leocillin. Estopen. Alivin. Bronchocillin. Broncopen. Numerous proprietary names.* Used for treatment of respiratory tract infections in animals. Sl. sol. H_2O. Mp 173-174°. Should be stored at 4° to retain potency for 30 days.

Engelbreth-Holm, J. *et al*, *Acta Pharmacol. Toxicol.*, 1953, **9**, 117 (*tox*)
Nielsen, A.T., *Acta Pharmacol. Toxicol.*, 1953, **9**, 179 (*pharmacol*)
Spanish Pat., 206 653, (*1953*); *CA*, **48**, 11011ab (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6711 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 125.

Penfluridol, BAN, USAN, INN P-00062

1-[4,4-Bis(4-fluorophenyl)butyl]-4-(4-chloro-3-(trifluoromethyl)phenyl]-4-piperidinol, 9CI. 1-[4,4-Bis(p-fluorophenyl)butyl]-4-(4-chloro-α,α,α-trifluoro-m-tolyl)-4-piperidinol, 8CI. Flupidol. Longoran. Micefal. Oraleptin. Longoperidol. Semap. McN JR 16341. R 16341. TLP 607

[26864-56-2]



$C_{28}H_{27}ClF_5NO$ M 523.972
Tranquilliser. Sl. sol. H_2O. Mp 105-107°.
▷TN6957000.

Decanoyl: [80458-76-0]. ***Penfluoridol decanoate***. *VUFB 13708.*
$C_{38}H_{45}ClF_5NO_2$ M 678.224
Tranquilliser.

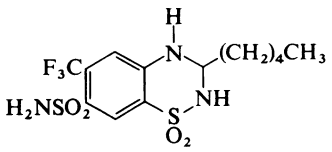
Decanoyl, Oxalate (1:1): [80458-77-1]. Cryst. (Me_2CO/Et_2O). Mp 125-127°.

Miele, E. *et al*, *Pharmacol. Res. Commun.*, 1972, **4**, 305 (*pharmacol*)
Koch, M.H.I., *Acta Crystallogr., Sect. B*, 1973, **29**, 1538 (*cryst struct*)
Sindelar, K. *et al*, *Collect. Czech. Chem. Commun.*, 1973, **38**, 3879 (*synth*)
Rajsner, M. *et al*, *Collect. Czech. Chem. Commun.*, 1978, **43**, 1760; 1981, **46**, 1530 (*synth, pharmacol, deriv*)
Migdalof, B.H. *et al*, *Drug Metab. Rev.*, 1979, **9**, 281 (*rev, pharmacol, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7080.

Penflutizide, INN, JAN P-00063

3,4-Dihydro-3-pentyl-6-(trifluoromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Penfluzide. Pentylhydroflumethiazide. FT 124. Hf 30

[1766-91-2]



$C_{13}H_{18}F_3N_3O_4S_2$ M 401.418

(+)-form

Mp 194-197°.

(−)-form

Mp 168-170°.

(±)-form

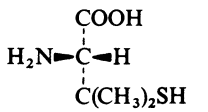
Diuretic, antihypertensive agent. Mp 225.5-227.5°.

Lund, F.J. *et al*, *Acta Pharmacol. Toxicol.*, 1960, **16**, 297 (*pharmacol*)
Fr. Pat., 1 586 602, (*1970*); *CA*, **74**, 100112j (*synth, pharmacol*)
Kuhnert-Brandstaetter, M., *Sci. Pharm.*, 1970, **38**, 154 (*uv*)
Blaschke, G. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1986, **25**, 830 (*resoln*)

Penicillamine, BAN, INN, JAN, USAN P-00064

3-Mercaptovaline, 9CI, 8CI. 2-Amino-3-mercapto-3-methylbutanoic acid. β,β-Dimethylcysteine. β-Thiovaline. Cuprimine. Depamine. Distamine. Other synonyms

[5139-02-6]



(R)-form

$C_5H_{11}NO_2S$ M 149.207

(*R*)-form [1113-41-3]

L-form

Mp 190-194° dec. $[\alpha]_D$ +63° (1*M* NaOH).

(*S*)-form [52-67-5]

D-form

Characteristic degradn. prod. of the penicillins. Chelating agent used in therapy of metal poisoning, and for Wilson's disease, scleroderma and rheumatoid arthritis. Mp 202-206° (rapid heating), (198.5°). $[\alpha]_D^{25}$ −63° (c, 0.1 in Py). pK_{a1} 1.8 (COOH), pK_{a2} 6.9 (NH_2), pK_{a3} 10.4 (SH). Oxid. by air to disulphide.

▷YV9425000.

B,HCl: [2219-30-9]. Mp 160-165°. $[\alpha]_D$ +1° (H_2O).

▷YV9450000.

Me ester:

$C_6H_{13}NO_2S$ M 163.234

Oil.

Me ester; B,HCl: Needles. Mp 180-182°. $[\alpha]_D$ −7.5° (H_2O).

Et ester; B,HCl:

$C_7H_{15}NO_2S$ M 177.261

Mp 161-162°.

N-*Formyl:*

$C_6H_{11}NO_3S$ M 177.218

Cryst. (H_2O or C_6H_6/pet. ether). Mp 179-180°. $[\alpha]_D^{22}$ +62° (H_2O).

N-*Ac:* [15537-71-0]. *Acetylpenicillamine. NAP.*

$C_7H_{13}NO_3S$ M 191.245

Antidote. Cryst. (H_2O). Mp 189-190°. $[\alpha]_D^{25}$ +18° (50%, EtOH aq.).

N-*Benzyloxycarbonyl:* Mp 142-143°.

N-*Me; B,HCl:*

$C_6H_{13}NO_2S$ M 163.234

Mp 160-170°.

S-*Benzyl:*

$C_{12}H_{17}NO_3S$ M 255.331

Mp 197-198° dec. $[\alpha]_D^{17}$ +90° (1*M* NaOH).

S-*Benzyl; B,HCl:* Cryst. + $1H_2O$. $[\alpha]_D$ −75° (1*M* HCl).

S-*Benzyl, Me ester; B,HCl:*

$C_{13}H_{19}NO_3S$ M 269.358

Mp 147-148°.

(±)-form [52-66-4]

Mp 204-205° dec.

▷YV9445000.

B,HCl: [22572-05-0]. Mp 145-148° dec.

Me ester: Oil.

Me ester; B,HCl: Mp 173-175°.

Et ester; B,HCl: Mp 150-151°.

Nitrile; B,HCl:

$C_5H_{10}N_2S$ M 130.207

Cryst. (MeOH). Mp 181-182°.

N-*Ac:* Mp 183°.

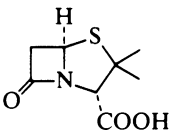
N-*Benzoyl:* Mp 135-136°.

S-*Benzyl:* Cryst. (H_2O). Mp 202° dec.

S-*Benzyl*, N-*Ac:* Mp 177-178°.

Süs, O., *Justus Liebigs Ann. Chem.*, 1948, **559**, 92 (*synth*)
Ruiz-Torres, *Arzneim.-Forsch.*, 1974, **24**, 914 (*pharmacol, metab*)
Rosenfield, R.E. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 462 (*cryst struct, abs config*)
Weigert, W.M. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1975, **14**, 330 (*rev*)
Parrett, D., *Proc. R. Soc. Med.*, 1977, **70**, 61 (*metab*)
Jaffe, I.A., *Pharmacol. Biochem. Prop. Subst.*, 1979, **1**, 465 (*rev, pharmacol*)
Chiu, C.C. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 601 (*rev, synth, prop, tox, pharmacol*)
Parrett, D. *et al*, *J. Rheumatol. Suppl.*, 1981, **7**, 28 (*rev*)
Busker, E. *et al*, *J. Chromatogr.*, 1985, **350**, 179 (*sepn*)
Nether, P. *et al*, *Clin. Pharmacokinet.*, 1987, **13**, 317 (*pharmacol*)
Wolf-Heuss, E.M., *Methods Enzymol.*, 1987, **143**, 186 (*rev, detn*)
Ogawa, T. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1957 (*synth*)
Sadtler Standard NMR Spectra, 2305 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1044, 1045.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 346.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2122.

Penicillanic acid P-00065



$C_8H_{11}NO_3S$ M 201.240

4,4-Dioxide: [68373-14-8]. ***Sulbactam, BAN, INN.*** *3,3-Dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide, 9CI. CP 45899. Antibiotic CP 45899. Penicillanic acid sulfone.*

$C_8H_{11}NO_5S$ M 233.239

β-Lactamase inhibitor. Plates (EtOAc/hexane). Mp 170° dec. $[\alpha]_D^{20}$ +251° (c, 0.01 in pH5 buffer).

Na salt: [69388-84-7]. *Sulbactam sodium, USAN.*

Compd. with N,N′-*dibenzylethylenediamine (2:1):* [83031-43-0]. *Sulbactam benzathine, USAN.*

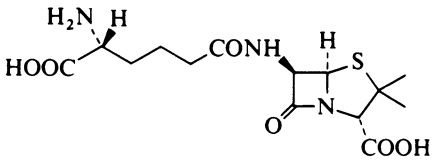
(2,2-Dimethyl-1-oxopropoxy)methyl: [69388-79-0]. ***Sulbactam pivoxil, USAN.*** *Pivsulbactam, BAN. CP 47904. Antibiotic CP 47904.*
$C_{14}H_{21}NO_7S$ M 347.382
Penicillin antibiotic. Synthetic. β-Lactamase inhibitor, synergist.

Sheehan, J.C. *et al, J. Am. Chem. Soc.*, 1953, **75**, 3292; 1959, **81**, 5838.
Ger. Pat., 2 854 535, (*1978*); *CA*, **90**, 121589r (*synth, pharmacol*)
Howard, A.J. *et al, Drugs Exp. Clin. Res.*, 1979, **5**, 7 (*pharmacol*)
Barth, W.E. *et al, CA*, 1980, **93**, 88382 (*pharmacol, Pivoxil*)
U.S.P., 4 234 579, (*1980*); *CA*, **94**, 121521 (*synth, Pivoxil*)
Brenner, D.G. *et al, Biochemistry*, 1981, **20**, 3680; 1984, **23**, 5833 (*synth, props*)
Volkmann, R.A. *et al, J. Org. Chem.*, 1982, **47**, 3344 (*synth*)
Foulds, G. *et al, Antimicrob. Agents Chemother.*, 1983, **23**, 692 (*props*)
Kapur, J.C. *et al, Tetrahedron Lett.*, 1985, **26**, 3875 (*synth*)
Yang, X. *et al, CA*, 1986, **104**, 224752 (*synth*)
Gibon, V. *et al, Acta Crystallogr., Sect. C*, 1988, **44**, 652 (*cryst struct*)
Noguchi, J.K. *et al, Clin. Pharm.*, 1988, **7**, 37 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13275.

Penicillin *N* P-00066

D-δ-(α-Aminoadipoyl)penicillin. 6-(D-5-Amino-5-carboxyvaleramido)penicillanic acid. ***Adicillin,*** *BAN, INN. Addicillin. Cephalosporin* N. *Intermetin. Salmotin. Synnematin* B

[525-94-0]



$C_{14}H_{21}N_3O_6S$ M 359.396
Isol. from fungi and streptomycetes including *Cephalosporium acremonium* and *Streptomyces clavuligerus*. pK_{a1} 2.8, pK_{a2} 3.2, pK_{a3} 9.8.

▷XH8213500.

Ba salt: Powder. Sol. H_2O. $[\alpha]_D^{20}$ +187° (c, 0.6 in H_2O).
3-De-α-Me: ***Norpenicillin*** N. *Antibiotic 13285A2.*
$C_{13}H_{19}N_3O_6S$ M 345.370
From *S.* sp.
5′-Epimer: [58678-43-6]. ***Isopenicillin*** N. From *Penicillium chrysogenum* and *S. tokunonensis*. Less biol. active than Penicillin *N*.
5′-Epimer, 5′-N-Ac: [84713-89-3]. **N-*Acetylisopenicillin*** N.
$C_{16}H_{23}N_3O_7S$ M 401.434
From *S. tokunonensis*. Active against β-lactam sensitive *E. coli*.
5′-Epimer, 3-De-α-Me: ***Antibiotic 13285A1.***
$C_{13}H_{19}N_3O_6S$ M 345.370
From *S.* sp.

Abraham, E. *et al, Biochem. J.*, 1954, **58**, 103 (*struct*)
Flynn, E. *et al, J. Am. Chem. Soc.*, 1962, **84**, 4594 (*isol*)
Cole, M. *et al, Nature (London)*, 1963, **198**, 383 (*isol*)
Abraham, E. *et al, Cephalosporins and Penicillins, (Flynn, E.H., Ed.)*, 1972, Academic Press, 21 (*rev*)
Lemke, P. *et al, Cephalosporins and Penicillins, (Flynn, E.H., Ed.)*, 1972, Academic Press, 370 (*rev, biosynth*)
Jensen, S.E. *et al, J. Antibiot.*, 1982, **35**, 1351 (*synth*)
Ott, J.L. *et al, J. Antibiot.*, 1982, **35**, 637 (*props*)
Shoji, J. *et al, J. Antibiot.*, 1982, **35**, 1646 (*deriv*)
Baldwin, J.E. *et al, J. Chem. Soc., Chem. Commun.*, 1984, 1167, 1225 (*Isopenicillin N*)
Aldridge, D.C. *et al, J. Chem. Soc., Chem. Commun.*, 1985, 1513 (*deriv*)
Huffman, G.W., *Org. Prep. Proced. Int.*, 1988, **20**, 497 (*synth, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2 .

Penicillinase, BAN, INN, 9CI P-00067

Neutrapen. β-Lactamase

[9001-74-5]
M ca. 50 000
Penicillin inactivating enzyme used in culture media.

Pollock, M.R., *Antimicrob. Agents Chemother.*, 1964, 292 (*rev*)
Ambler, R.P. *et al, Nature (London)*, 1969, **222**, 24 (*struct*)
Citri, N., *Enzymes*, 3rd Ed., 1971, **4**, 23 (*rev*)
Knox, J.R. *et al, J. Med. Biol.*, 1976, **104**, 865 (*cryst struct*)

Penimepicycline, INN P-00068

Criseocil. Geotricyn. Mepenicycline. Olimpen. Penetracyne. Numerous proprietary names

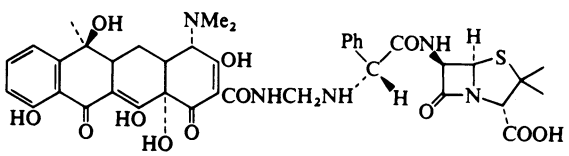
[4599-60-4]
1:1 Complex of penicillin V and mepicycline. Shows broad spectrum of antibacterial activity. Yellowish-white cryst. powder. $[\alpha]_D^{20}$ −50.5° (c, 2 in MeOH). Dec. >143°.

Pedrazzoli, A. *et al, Boll. Chim. Farm.*, 1959, **98**, 516; *CA*, **54**, 3856 (*synth*)
Gradnik, B. *et al, Pharm. Acta Helv.*, 1960, **35**, 529 (*props*)
B.P., 897 826, (*1962*); *CA*, **57**, 15034 (*synth*)
Inahara, H. *et al, Jpn. J. Antibiot.*, 1969, **22**, 108 (*rev*)
Nakazawa, S. *et al, Jpn. J. Antibiot.*, 1969, **22**, 16, 21 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 127.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7789.

Penimocycline, INN P-00069

[α-(Tetracyclino-N-methylamino)-α-phenylacetamido]-6-penicillanic acid. Intraxium. Bo 725

[16259-34-0]



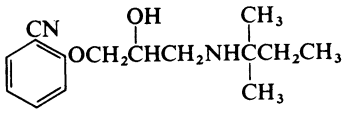
$C_{39}H_{43}N_5O_{12}S$ M 805.855
Synthetic. Mp 230° dec. $[\alpha]_D^{20}$ −57°.
Et_3N salt: [16259-35-1]. Mp 238-240° dec. $[\alpha]_D^{20}$ −50°.
Procaine salt: [16313-96-5]. Mp 215°. $[\alpha]_D^{20}$ −48°.

French Pat., 2 207 694, (*1974*); *CA*, **82**, 72985 (*synth*)
French Pat., 2 303 019, (*1976*); *CA*, **87**, 5956 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 128.

Penirolol, INN **P-00070**

2-[3-[(1,1-Dimethylpropyl)amino]-2-hydroxypropoxy]-benzonitrile, 9CI. o-[*2-Hydroxy-3-*(tert-*pentylamino)-propoxy]benzonitrile*

[58503-83-6]



$C_{15}H_{22}N_2O_2$ M 262.351

(±)-*form*

Antihypertensive, β-adrenergic blocking agent.

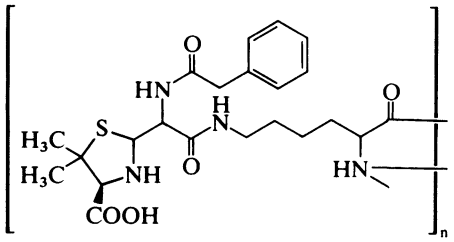
B,HCl: Kö 1393. Mp 134-136°.

U.S.P., 3 872 147, (*1975*); *CA*, **82**, 170365 (*synth, pharmacol*)

Penlysinum **P-00071**

Poly[imino[1-[4-[[2-(4-carboxy-5,5-dimethyl-2-thiazolidinyl)-1-oxo-2-[(phenylacetyl)amino]ethyl]amino]-butyl]-2-oxo-1,2-ethanediyl]]

[27307-30-8]



$(C_{22}H_{30}N_4O_5S)_n$

Diagnostic aid (penicillin sensitivity).

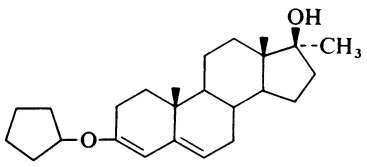
Dodecapotassium salt: [61990-92-9]. ***Benpenolisin, INN.*** *4-Carboxy-5,5-dimethyl-2-thiazolidinyl]-N-[(phenylacetyl)glycyl]-L-lysine monopotassium salt dodecapeptide.*

Schneider, C.H. *et al, Helv. Chim. Acta*, 1966, **49**, 1695 (*synth*)
Schneider, C.H. *et al, Mol. Immunol.*, 1979, **16**, 269 (*pharmacol*)
Rolli, H. *et al, Helv. Chim. Acta*, 1982, **65**, 1965 (*deriv, synth, ir, cd*)

Penmesterol, INN **P-00072**

3-(Cyclopentyloxy)-17-methylandrosta-3,5-dien-17β-ol. Penmestrol. Pandrocine. Testopan. RP 12222

[67-81-2]



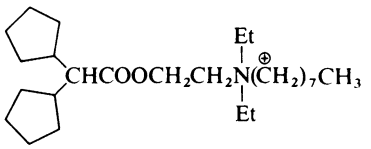
$C_{25}H_{38}O_2$ M 370.574

Androgen. Mp 148-152°. $[\alpha]_D$ −150° (dioxan).

Ercoli, A., *J. Am. Chem. Soc.*, 1960, **82**, 746 (*synth*)
Bruni, S. *et al, Boll. Soc. Ital. Biol. Sper.*, 1963, **39**, 1894 (*pharmacol*)
Bruni, S. *et al, Ann. Endocrinol.*, 1964, **25**, 469 (*props*)

Penoctonium(1+) **P-00073**

N-[*2-[(Dicyclopentylacetyl)oxy]ethyl*]-N,N-*diethyl-1-octanaminium, 9CI. Diethyl(2-hydroxyethyl)-octylammonium dicyclopentylacetate, 8CI*



$C_{26}H_{50}NO_2^{\oplus}$ M 408.687 (ion)

Bactericide, fungicide.

Bromide: [17088-72-1]. *Penoctonium bromide, INN. Ug 767.*

$C_{26}H_{50}BrNO_2$ M 488.591

Mp 164-165°.

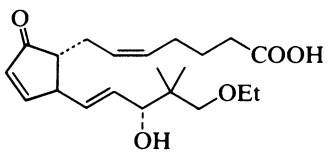
▷BP7652650.

B.P., 893 163, (*1962*); *CA*, **57**, 16434i (*synth, pharmacol*)
Jahn, U., *Arzneim.-Forsch.*, 1968, **18**, 137 (*tox*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **42**, 150 (*props, uv*)
Wagner-Jauregg, T. *et al, Arzneim.-Forsch.*, 1974, **24**, 278 (*pharmacol*)

Penprostene, INN **P-00074**

7-[2-(5-Ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl)-5-oxo-3-cyclopenten-1-yl]-5-heptenoic acid, 9CI

[61557-12-8]



$C_{21}H_{32}O_5$ M 364.481

Antihypertensive agent.

Beck, G. *et al, Prostaglandins*, 1980, **20**, 153 (*synth, activity*)
U.S.P., 4 251 669, (*1981*); *CA*, **95**, 61604h (*synth*)

Pentacosactride, BAN **P-00075**

1-D-Serine-4-L-norleucine-25-L-valinamide-α^{1-25}-corticotropin, 9CI. ***Norleusactide, INN.*** *DW 75. Pentacosactide*

[17692-62-5]

H-D-Ser-Tyr-Ser-Nle-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-^{25}ValNH$_2$

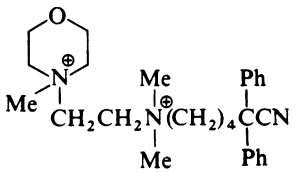
$C_{142}H_{222}N_{42}O_{31}$ M 3013.579

Synthetic corticotropic peptide used clinically. *In vivo* molar steroidogenic activity 5.5 x that of native ACTH.

Boissonnas, R.A. *et al, Experientia*, 1966, **22**, 526 (*synth*)
Jenny, M. *et al, Experientia*, 1966, **26**, 528 (*pharmacol*)
Jubiz, W. *et al, J. Clin. Endocrinol. Metab.*, 1968, **28**, 1377 (*biol activity*)
Rose, L.I. *et al, Clin. Pharmacol. Ther.*, 1968, **9**, 740.

Pentacynium(2+) P-00076

4-[[2-(5-Cyano-5,5-diphenylpentyl)dimethylammonio]-ethyl]-4-methylmorpholinium, 9CI, 8CI



$C_{27}H_{39}N_3O^{\oplus\oplus}$ M 421.625 (ion)

Antihypertensive, ganglion blocking agent.

Dichloride: [77-12-3]. *Pentacynium chloride*, *INN*.
$C_{27}H_{39}Cl_2N_3O$ M 492.531

Bis(methosulphate): [3810-83-1]. *Pentacynium methyl sulfate.*
$C_{29}H_{45}N_3O_9S_2$ M 643.809
Cryst. (EtOH). Sol. H_2O. Mp 173-175°.

B.P., 787 279, (*1957*); *CA*, **52**, 10217 (*synth, pharmacol*)
Gibb, J.W. *et al*, *Can. Pharm. J., Sci. Sect.*, 1959, **92**, 401 (*pharmacol*)
Boura, A.L.A. *et al*, *Discoveries Pharmacol.*, 1984, **2**, 73 (*rev, pharmacol*)

Pentaerythritol P-00077

2,2-Bis(hydroxymethyl)-1,3-propanediol, 9CI.
Tetrakis(hydroxymethyl)methane
[115-77-5]

$C(CH_2OH)_4$

$C_5H_{12}O_4$ M 136.147
Used in synthetic resins, paint and varnish industries. Also in plasticisers and synthetic lubricants.
Ditetragonal cryst. (HCl aq.). Mp 260°.

▷RZ2490000.

Tetra-Ac: [597-71-7]. *Normosterol. Normo-Level.*
$C_{13}H_{20}O_8$ M 304.296
Antilipidaemic agent. Cryst. Mp 83-84°.

Mononitrate: [1607-00-7].
$C_5H_{11}NO_6$ M 181.145
Cryst. ($CHCl_3$). Mp 79°.

Dinitrate: [1607-01-8].
$C_5H_{10}N_2O_8$ M 226.143
Oil. d_4^{20} 1.487. n_D^{20} 1.4936.

Trinitrate: [1607-17-6]. *Pentaerythritol trinitrate*, 8CI. ***Pentrinitrol*, *INN*, *USAN***. *Petrin. W2197.*
$C_5H_9N_3O_{10}$ M 271.140
Coronary vasodilator. Oil. d_4^{20} 1.554. n_D^{20} 1.4941.

Tetranitrate: see Pentaerythritol tetranitrate, P-00078

Org. Synth., Coll. Vol., **1**, 425 (*synth*)
Berlow, E. *et al*, *The Pentaerythritols, A.C.S. Monogr.*, 1958, No. 136 (*rev*)
Bonner, T.G. *et al*, *J. Chem. Soc.*, 1960, 2914 (*synth*)
Simecek, J., *Collect. Czech. Chem. Commun.*, 1962, **27**, 362 (*nitrates*)
Goldstein, M. *et al*, *Chem. Ind.* (*London*), 1966, 1843 (*nitrates*)
Koudelka, L., *Petrochimia*, 1975, **14**, 63 (*rev*)
Ladd, M.F.C., *Acta Crystallogr., Sect. B*, 1979, **35**, 2375 (*cryst struct*)
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 542.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2129.

Pentaerythritol tetranitrate, BAN, INN P-00078

2,2-Bis[(nitrooxy)methyl)]-1,3-propanediol dinitrate, 9CI. *Niperyt. Penthrit. Peritrate. PETN. Nitropentaerythritol. Numerous other proprietary names*
[78-11-5]

$C(CH_2ONO_2)_4$

$C_5H_8N_4O_{12}$ M 316.138
Explosive, used in the manuf. of detonating fuses, also vasodilatory drug. Prisms (Me_2CO/EtOH). Prac. insol. H_2O, spar. sol. EtOH, Et_2O. Mp 138-140°.

▷Toxic, potentially explosive. RZ2630000.

Simecek, J., *Chem. Listy*, 1953, **47**, 1673 (*synth*)
Rivera, T., *Diss. Abstr. Int. B*, 1976, **37**, 1709 (*synth*)
Japan. Pat., 76 118 708, (*1976*); *CA*, **86**, 139397 (*synth*)
Neurath, G.B. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 416 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 304 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9269.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 889.

Pentagastrin, BAN, USAN, INN, JAN P-00079

N-[(1,1,-Dimethylethoxy)carbonyl]-β-alanyl-L-tryptophyl-L-methionyl-L-α-aspartyl-L-phenylalaninamide, 9CI. *N-tert-Butoxycarbonyl-β-alanyl-L-tryptophyl-L-methionyl-L-aspartyl-L-phenylalanine amide. Acignost. Gastrodiagnost. Peptavlon. AY 6608. ICI 50123*
[5534-95-2]

BOC-β-Ala-L-Trp-L-Met-L-Asp-L-Phe(NH_2)

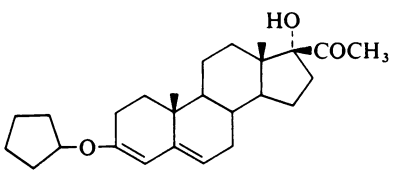
$C_{37}H_{49}N_7O_9S$ M 767.896
Peptide with potent gastrin activity; used medicinally as gastric secretion indicator. Cryst. (2-ethoxyethanol aq.). Mp 229-230° dec. $[\alpha]_D^{22}$ −28.8° (c, 1.0 in DMF).

▷AY2970000.

Morley, J.S. *et al*, *J. Chem. Soc.* (*C*), 1966, 555 (*synth*)
Sakakibara, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1968, **41**, 438 (*synth*)
Sanders, M.G. *et al*, *Am. J. Med.*, 1970, **49**, 380 (*rev*)
Wai, K.N. *et al*, *J. Pharm. Pharmacol.*, 1970, **22**, 923 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2144.

Pentagestrone, INN P-00080

3-(Cyclopentyloxy)-17-hydroxypregna-3,5-dien-20-one
[7001-56-1]



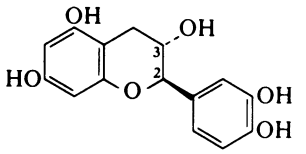
$C_{26}H_{38}O_3$ M 398.584
Progestin. Mp 184.5-186.5°. $[\alpha]_D$ −115° (dioxan).

Ac: [1178-60-5]. ***Pentagestrone acetate***. *Gestovis. Gestovister.*
$C_{28}H_{40}O_4$ M 440.622
Progestin. Mp 157-158° (137-138°). $[\alpha]_D$ −147° (dioxan).

Ercoli, A. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 746 (*synth*)
Falconi, G. *et al*, *Endocrinology*, 1961, **69**, 638 (*pharmacol*)
Junkmann, K., *Deut. Med. Wochschr.*, 1963, **88**, 629 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9096.

3,3',4',5,7-Pentahydroxyflavan P-00081

2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2H-1-benzopyran-3,5,7-triol, 9CI



(2*R*,3*S*)-*form*

$C_{15}H_{14}O_6$ M 290.272

(*2R,3S*)-*form* [154-23-4]

(+)-trans-*form*. **Catechin**. *Catechol. Cianidanol, INN. Dexcyanidanol. Cianidol. Catergen. Drenoliver*

Widespread in plants. Used in the treatment of hepatic disorders. Cryst. + $4H_2O$ (AcOH aq.). Mp 93-96°, 175-177° (anhyd.). $[\alpha]_D$ +17°. Not to be confused

▷DJ3450000.

Penta-Ac: Cryst. (EtOH). Mp 131-132°. $[\alpha]_D$ +40.6°.

7-L-Arabinopyranosyl: [29289-02-9]. **Polydine**.

$C_{20}H_{22}O_{10}$ M 422.388

Obt. from rhizomes of *Polypodium vulgare*. Mp 191-193°. $[\alpha]_D^{20}$ −121.6°.

3-O-(3,4,5-Trihydroxybenzoyl): 3-Galloylcatechin.

$C_{22}H_{18}O_{10}$ M 442.378

Constit. of *Bergenia crassifolia* and *B. cordifolia*. Amorph. $[\alpha]_D^{26}$ +56° (c, 0.9 in EtOH).

3-O-(3,4,5-Trihydroxybenzoyl), hepta-Me ether: Cryst. Mp 131-132°. $[\alpha]_D^{20}$ −29° (c, 0.9 in $CHCl_3$).

O³-Me: [65350-86-9]. **Meciadanol, INN**. *Zy 15029.*

$C_{16}H_{16}O_6$ M 304.299

Immunomodulating agent, antiulcer agent.

O⁴'-Me: 3,3',5,7-Tetrahydroxy-4'-methoxyflavan.

$C_{16}H_{16}O_6$ M 304.299

Constit. of *Cinnamomum cassia*. Needles (H_2O). Mp 152°. $[\alpha]_D^{26}$ +6.7° (c, 0.85 in Me_2CO).

O⁴',O⁷-Di-Me: 3,3',5-Trihydroxy-4',7-dihydroxyflavan.

$C_{17}H_{18}O_6$ M 318.326

Constit. of *C. cassia*. Prisms (EtOH). Mp 142-144°. $[\alpha]_D^{26}$ −3.8° (c, 0.87 in MeOH).

3',5,7-Tri-Me ether: 3,4'-Dihydroxy-3',5,7-trimethoxyflavan.

$C_{18}H_{20}O_6$ M 332.352

Constit. of *Viguiera quinqueradiata*. Cryst. (MeOH). Mp 158-159°. $[\alpha]_D^{25}$ −12.8° (c, 0.18 in MeOH).

O⁴',O⁵,O⁷-Tri-Me: 3,3'-Dihydroxy-4',5,7-trimethoxyflavan.

$C_{18}H_{20}O_6$ M 332.352

Constit. of *C. cassia*. Needles (hexane/EtOAc). Mp 125°. $[\alpha]_D$ −8.2° (c, 1.03 in Me_2CO).

Penta-Me ether: 3,3',4',5,7-Pentamethoxyflavan.

$C_{20}H_{24}O_6$ M 360.406

Cryst. (EtOH). Mp 95°. $[\alpha]_D$ +8.3°.

(*2R,3R*)-*form* [490-46-0]

(−)-cis-*form*. **Epicatechin**. *Epicatechol*

Widespread. Cryst. Mp 242°. $[\alpha]_D$ −68° (EtOH).

Penta-Ac: Cryst. Mp 151-152°. $[\alpha]_D$ −15°.

3,5-Bis(3,4,5-trihydroxybenzoyl): 3,5-Digalloylepicatechin.

$C_{29}H_{22}O_{14}$ M 594.484

Constit. of green tea leaves. Amorph. powder.

O³'-Me:

$C_{16}H_{16}O_6$ M 304.299

Constit. of *Cinnamomum cassia*, *C. obtusifolium* and *Lindera umbellata* var. *membranacea*. Prisms (H_2O). Mp 237-238°. $[\alpha]_D^{28}$ −56.1° (c, 1.05 in Me_2CO).

O³',O⁴'-Di-Me:

$C_{17}H_{18}O_6$ M 318.326

Constit. of *L. umbellata* var. *membranacea*. Needles (H_2O). Mp 199-201°. $[\alpha]_D^{23}$ −59.3° (c, 1.13 in Me_2CO).

O³',O⁵-Di-Me:

$C_{17}H_{18}O_6$ M 318.326

Constit. of *C. cassia*, *C. obtusifolium* and *L. umbellata* var. *membranacea*. Needles (hexane/EtOAc). Mp 206-208°. $[\alpha]_D^{28}$ −66.4° (c, 1.15 in Me_2CO).

O³',O⁵,O⁷-Tri-Me:

$C_{18}H_{20}O_6$ M 332.352

Constit. of *C. cassia*, *C. obtusifolium* and *L. umbellata* var. *membranacea*. Needles (C_6H_6). Mp 139°. $[\alpha]_D^{28}$ −61.2° (c, 1.22 in Me_2CO).

Penta-Me ether: Cryst. Mp 93-94°. $[\alpha]_D$ −94°.

(*2RS,3SR*)-*form*

(±)-*Catechin*

Cryst. + $3H_2O$. Mp 212-214°.

(*2RS,3RS*)-*form*

(±)-*Epicatechin*

Prisms + $4H_2O$ or needles + $1H_2O$. Mp 224-226°.

Bokaida, M.M. *et al*, *Proc. Chem. Soc., London*, 1960, 280 (*stereochem*)

Batterham, T.J. *et al*, *Aust. J. Chem.*, 1964, **17**, 428 (*pmr*)

Clark-Lewis, J.W. *et al*, *Aust. J. Chem.*, 1968, **21**, 3025 (*ms*)

Haslam, E., *J. Chem. Soc.* (*C*), 1969, 1824 (*isol*)

Weinges, K. *et al*, *Justus Liebigs Ann. Chem.*, 1970, **234**, 46 (*deriv*)

Coxon, D.T. *et al*, *Tetrahedron*, 1972, **28**, 2819 (*isol*)

Markham, K.R. *et al*, *Tetrahedron*, 1976, **32**, 2607 (*cmr*)

Jacques, D. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 1637 (*biosynth*)

Eur. Pat., 37 800, (*1981*); *CA*, **96**, 40929y (*synth, pharmacol, Mediadanol*)

Delgado, G. *et al*, *Phytochemistry*, 1984, **23**, 675 (*deriv*)

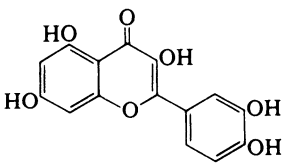
Morimoto, S. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 2281 (*deriv*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 306, 12563.

3,3',4',5,7-Pentahydroxyflavone P-00082

Quercetin. Sophoretin. Meletin

[117-39-5]



$C_{15}H_{10}O_7$ M 302.240

Isol. from many plants, esp. fruits; *inter alia*, *Helichrysum*, *Euphorbia* and *Korwinskia* spp. Yellow cryst. + $2H_2O$ (EtOH aq.). Mp 313-314°.

▷Mutagenic. LK8750000.

5-Glucoside: Saxifragin.

$C_{21}H_{20}O_{12}$ M 464.382

Isol. from leaves of *Saxifraga stolonifera*. Yellow needles (MeOH/Py). Mp 264°.

7-Glucoside: [491-50-9]. *Quercimeritrin.*

$C_{21}H_{20}O_{12}$ M 464.382

Isol. from cotton flowers, leaves of *Gossypium hirsutum*, *Helianthus annuus* and bark of *Prunus seratina*. Yellow needles + $3H_2O$. Mp 247-249°.

7-Galactoside: Coptiside II.

$C_{21}H_{20}O_{12}$ M 464.382

Constit. of leaves of *Coptis japonica*. Yellow amorph. powder (MeOH). Mp 243-244°. $[\alpha]_D^{25}$ −96° (c, 1 in Py).

3-α-L-Arabopyranoside: [22255-13-6]. *Guiajaverin.*
$C_{20}H_{18}O_{11}$ M 434.356
Obt. from leaves of *Psidium guaijava.* Bright-yellow needles + H_2O (EtOH aq.). Mp 256° (anhyd.), 239° (hydrate).

3-β-L-Arabinoside: [5041-68-9]. *Polystachoside.*
$C_{20}H_{18}O_{11}$ M 434.356
Constit. of *Polygonum polystachum.* Cryst. + $2H_2O$ (EtOH aq.). Mp 246-247°. $[\alpha]_D$ −25.9° (c, 0.168 in MeOH).

3-Rhamnoside: [522-12-3]. *Quercitrin.*
$C_{21}H_{20}O_{11}$ M 448.382
Occurs widely in plants. Pale-yellow cryst. + $2H_2O$. Mp 182-185°, 250-252° (anhyd.).

▷UZ5950000.

3-Rutinoside: see Rutin, R-00106

3-Glucuronide:
$C_{21}H_{18}O_{13}$ M 478.365
Isol. from leaves of *Euphorbia lathyris.* Mp 188-189°.

5-Me ether: [529-51-1]. *3,3',4',7-Tetrahydroxy-5-methoxyflavone. Azaleatin.*
$C_{16}H_{12}O_7$ M 316.267
Prismatic needles (EtOH). Mp 305-308°.

5-Me ether, 3-rhamnoside: Azalein.
$C_{22}H_{22}O_{11}$ M 462.409
Constit. of *Rhododendron* and *Plumbago* spp. Small light-yellow needles + $5H_2O$. Mp 181-185°.

4'-Me ether: 3,3',5,7-Tetrahydroxy-4'-methoxyflavone.
$C_{16}H_{12}O_7$ M 316.267
Mp 260°.

3,5-Di-Me ether: [1486-66-4]. *3',4',7-Trihydroxy-3,5-dimethoxyflavone. Caryatin.*
$C_{17}H_{14}O_7$ M 330.293
Present in the bark of *Carya pecan* and leaves of *Eucryphia* spp. Cryst. + $3H_2O$. Mp 299-301°.

Pentabenzyl ether: [13157-90-9]. ***Benzquercin, INN.***
$C_{50}H_{40}O_7$ M 752.862
Photosensitiser. Capillary protective, venotonic. Mp 123-125°.

Hörhammer, L. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1955, **288**, 419 (*Polystachoside*)
Rubin, I.D. *et al, J. Org. Chem.*, 1957, **22**, 1623 (*Azalein*)
El Khadem, H. *et al, J. Chem. Soc.*, 1958, 3320 (*Guaijaverin*)
Bate-Smith, E.C. *et al, Nature* (*London*), 1966, **212**, 1065 (*Caryatin*)
Chopin, J. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1966, **236**, 729 (*Benzquercin*)
Hörhammer, L. *et al, Tetrahedron Lett.*, 1966, 567 (*synth, derivs*)
Nishie, K. *et al, Photochem. Photobiol.*, 1968, **6**, 223 (*Benzquercin*)
Farkas, L. *et al, Chem. Ber.*, 1969, **102**, 2583; 1974, **107**, 1518 (*synth*)
Dumkow, K. *et al, Chem. Ber.*, 1970, **103**, 3674 (*isol*)
Nogradi, M. *et al, Chem. Ber.*, 1970, **103**, 3414 (*synth*)
Pereyrade Sanhùgo, O.J. *et al, Experientia*, 1972, **28**, 380 (*isol*)
Fraser, A.W. *et al, Phytochemistry*, 1973, **12**, 1787 (*isol*)
Morita, N. *et al, Chem. Pharm. Bull.*, 1974, **22**, 1487 (*Saxifragin*)
Fujiwara, H. *et al, Chem. Pharm. Bull.*, 1976, **24**, 407 (*Coptiside*)
Wagner, H. *et al, Tetrahedron Lett.*, 1976, 1799 (*nmr*)
Wenkert, E. *et al, Phytochemistry*, 1977, **16**, 1811 (*nmr*)
Nishino, H. *et al, Experientia*, 1984, **40**, 184 (*tox*)
Rossi, M. *et al, Bioorg. Chem.*, 1986, **14**, 55 (*cryst struct*)

Pentakis(cyano-*C*)nitrosylferrate(2−), 9CI P-00083

[15078-28-1]

$Fe(CN)_5NO^{\ominus\ominus}$

$C_5FeN_6O^{\ominus\ominus}$ M 215.942 (ion)

Di-Na salt: [13755-38-9]. *Sodium nitroferricyanide.* ***Sodium nitroprusside, USAN.*** *Nipride. Nitropress. Acetest. Nipruss.*
$C_5FeN_6Na_2O$ M 261.921
Antihypertensive drug. Reagent for detection of many organic compds. Ruby red rhombic cryst. + $2H_2O$.

▷LJ8925000.

Malin, J.M. *et al, Inorg. Chem.*, 1975, **14**, 2924 (*nmr, cmr*)
Castellano, E.E. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 1725, 1728 (*cryst struct*)
Mohai, B. *et al, Acta Chim. Acad. Sci. Hung.*, 1977, **92**, 271 (*synth*)
Rucki, R., *Anal. Profiles Drug Subst.*, 1977, **6**, 487; 1986, **15**, 781 (*rev, props*)
Ivankovitch, A.D. *et al, Int. Anesthesiol. Clin.*, 1978, **16**, 1 (*rev, pharmacol*)
Long, J.C. *et al, J. Inorg. Nucl. Chem.*, 1978, **40**, 1627 (*mössbauer*)
Bottomley, F. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 2193 (*cryst struct*)

Pentamethonium (2+) P-00084

N,N,N,N',N',N'-Hexamethyl-1,5-pentanediaminium, 9CI. Pentamethylenebistrimethylammonium, 8CI

[2365-25-5]

$Me_3N^{\oplus}(CH_2)_5N^{\oplus}Me_3$

$C_{11}H_{28}N_2^{\oplus\oplus}$ M 188.356 (ion)
Antihypertensive, ganglion blocking agent.

Dibromide: [541-20-8]. *Pentamethonium bromide, BAN, INN. Lytensium. Penthonium.*
$C_{11}H_{28}Br_2N_2$ M 348.164
Hygroscopic cryst. with fishy odour.

▷BS0540000.

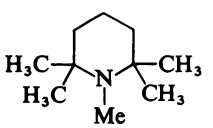
Diiodide: [5282-80-4]. *Pentamethonium iodide.*
$C_{11}H_{28}I_2N_2$ M 442.165
Mp 295° dec.

Canepa, F.G., *Acta Crystallogr.*, 1963, **16**, 145 (*cryst struct*)
Solov'ev, V.M. *et al, Zh. Obsch. Khim.*, 1963, **33**, 1821; *CA*, **59**, 7360f (*synth*)
Canepa, F.G., *Nature* (*London*), 1965, **207**, 1149 (*pharmacol*)
Lonsdale, K. *et al, Acta Crystallogr.*, 1965, **19**, 827 (*struct, pharmacol*)
Durfourcq, J. *et al, FEBS Lett.*, 1972, **22**, 205 (*nmr*)
Giessmann, U. *et al, Angew. Chem., Int. Ed. Engl.*, 1984, **23**, 892 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 889, 890.

1,2,2,6,6-Pentamethylpiperidine, 9CI P-00085

Pempidine, BAN, INN

[79-55-0]



$C_{10}H_{21}N$ M 155.283

Ganglionic blocking agent, antihypertensive drug. Base suitable for alkylation of primary and secondary amines. Liq. Bp 147°. pK_a 11.25.

▷TN2190000.

Hydrogen tartrate: Perolysen. Tenormal. Numerous proprietary names. Mp 160°.

p-*Toluenesulphonyl:*
$C_{17}H_{27}NO_2$ M 277.406
Cryst. (EtOAc/EtOH). Mp 162-163°.

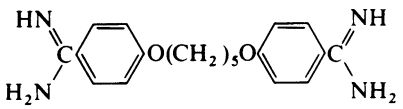
Picrate: Plates (EtOH). Mp 275° dec.

Hall, H.K., *J. Am. Chem. Soc.*, 1957, **79**, 5447 (*synth*)
Leonard, N.J. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 5289 (*synth*)
Spinks, A. *et al*, *Nature (London)*, 1958, **181**, 1397 (*pharmacol*)
Beguin, C.G. *et al*, *Org. Magn. Reson.*, 1978, **11**, 418 (*cmr*)
Boura, A.L.A. *et al*, *Discoveries Pharmacol.*, 1984, **2**, 73 (*rev, pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 370.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1783.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 887.

Pentamidine, BAN, INN P-00086

4,4'-[1,5-Pentanediylbis(oxy)]-bisbenzenecarboximidamide, 9CI. 4,4'-(Pentamethylenedioxy)dibenzamidine, 8CI

[100-33-4]



$C_{19}H_{24}N_4O_2$ M 340.424

Antiprotozoal agent, now used in treatment of rare pneumonias associated with AIDS. Plates (H_2O). Mp 186° dec.

▷CV6475000.

B,2HCl: Needles (HCl aq.). Mp 233-234° dec.

2-Hydroxyethanesulfonate: [140-64-7]. *Pentamidine isethionate. Diamidine. Lomidine. Pentam 300. M and B 800. RP 2512.* Hygroscopic cryst. with sl. butyric odour. Sol. H_2O, glycerol. Mp 180°.

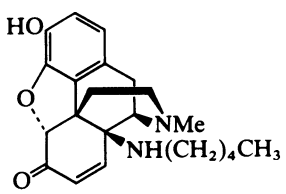
▷CV6500000.

Ashley, J.N. *et al*, *J. Chem. Soc.*, 1942, 103 (*synth, pharmacol*)
Belg. Pat., 613 498, (*1962*); *CA*, **58**, 552
Williamson, J. *et al*, *Biochem. Pharmacol.*, 1975, **24**, 147 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1978, **33**, 659 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4793, 4794.

Pentamorphone, INN P-00087

7,8-Didehydro-4,5-epoxy-3-hydroxy-17-methyl-14-(pentylamino)morphinan-6-one, 9CI

[68616-83-1]



$C_{22}H_{28}N_2O_3$ M 368.475

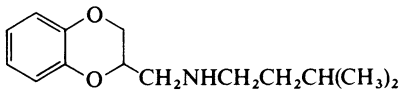
Narcotic analgesic. Mp 189.5-191°.

Ger. Pat., 2 812 581, (*1977*); *CA*, **90**, 39100 (*synth, pharmacol*)

Pentamoxane, INN P-00088

N-Isopentyl-1,4-benzodioxan-2-methylamine, 8CI. 2-[[(3-Methylbutyl)amino]methyl]-1,4-benzodioxan

[4730-07-8]



$C_{14}H_{21}NO_2$ M 235.325

(±)-form

Spasmolytic agent, tranquilliser. $Bp_{0.1}$ 105-106°.

B,HCl: [4729-93-5]. Cryst. (EtOH/Et_2O). Mp 208-210°.

Cocolas, G.H. *et al*, *J. Med. Chem.*, 1965, **8**, 875 (*synth, pharmacol*)

Pentamustine, USAN P-00089

N-(2-Chloroethyl)-N'-(2,2-dimethylpropyl)-N-nitrosourea, 9CI. ***Neptamustine, INN.*** *Salisburystin. NCNU*

[73105-03-0]

$(H_3C)_3CCH_2NHCON(NO)CH_2CH_2Cl$

$C_8H_{16}ClN_3O_2$ M 221.686

Antineoplastic agent. Yellow cryst. Mp 52-53° dec.

Ger. Pat., 3 020 498, (*1981*); *CA*, **95**, 6551p (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13091.

Pentanedial, 9CI P-00090

Glutaraldehyde. ***Glutaral,*** *USAN, INN. Alhydex. Cidex. Diswart. Gludesin. Glutarol. Hospex. Sonacide. Ucarcide. Verucasep. Virsal*

[111-30-8]

$OHCCH_2CH_2CH_2CHO$

$C_5H_8O_2$ M 100.117

Disinfectant. Intermed. in classical synth. of pseudopelleterine. Oil. Bp 187-189°. Bp_{10} 71-72°. Polymerises in presence of H_2O → glassy polymer which on dist. *in vacuo* regenerates the dialdehyde.

▷Toxic, TLV 0.7. MA2450000.

Dioxime: [6635-57-0].
$C_5H_{10}N_2O_2$ M 130.146
Needles (H_2O). Mp 178°. Subl. without dec.

2,4-Dinitrophenylhydrazone: Mp 193.7-194.7°.

Bis-2,4-dinitrophenylhydrazone: [5085-07-4]. Mp 185°.

Di-Me acetal: [50789-30-5]. *5,5-Dimethoxypentanal.*
$C_7H_{14}O_3$ M 146.186
Bp_5 80-82°.

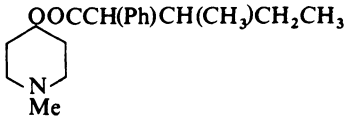
U.S.P., 2 546 018, (*1951*); *CA*, **45**, 7589 (*synth*)
Stoll, A. *et al*, *Helv. Chim. Acta*, 1953, **36**, 268 (*synth*)
Russell, A.D., *Prog. Med. Chem.*, 1976, **13**, 271 (*rev, use*)
Hess, L.G. *et al*, *Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1978, **1**, 277 (*manuf, bibl*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 411.
Gray, K.G., *Aust. J. Hosp. Pharm.*, 1980, **10**, 139 (*rev, pharmacol*)
Haley, T.J., *Dangerous Prop. Ind. Mater. Rep.*, 1981, **1**, 2 (*rev, chem, toxicol*)
Boeckman, R.K. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 1033 (*synth, pmr, acetal*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2248.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 341.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1478.

Pentapiperide, BAN, INN P-00091

α-(1-Methylpropyl)benzeneacetic acid 1-methyl-4-piperidinyl ester, 9CI

[7009-54-3]



$C_{18}H_{27}NO_2$ M 289.417

Anticholinergic, antispasmodic. Oil. $Bp_{0.005}$ 102-104°.

B,HCl: Mp 85-86°.

Fumarate (1:1): [635-32-5]. *Pentapiperide fumarate. Lyspafen (obsol.). C 4675.* Mp 91-93°.

B,MeBr: Cryst. Mp 138-140°.

B,Me_2SO_4: [7681-80-3]. *1,1-Dimethyl-4-[(3-methyl-1-oxo-2-phenylpentyl)oxy]piperidinium sulfate. Pentapiperium methylsulfate, USAN, INN. Valpipamate methyl sulfate. Crilin. Crylene. Hycholin. Perium. Quilene. AY 5810.*

$C_{20}H_{33}NO_6S$ M 415.544

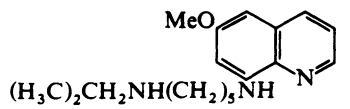
Mp 110-112°.

B.P., 781 382, (*1957*); *CA*, **52**, 2087 (*synth, pharmacol*)
Fleisch, A. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 1119 (*synth*)
Formanek, K. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 66 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 401.

Pentaquine, BAN, INN P-00092

N-(6-Methoxy-8-quinolinyl)-N′-(1-methylethyl)-1,5-pentanediamine, 9CI. 8-(5-Isopropylaminopentylamino)-6-methoxyquinoline. SN 13276

[86-78-2]



$C_{18}H_{27}N_3O$ M 301.431

Antimalarial drug. $Bp_{0.02}$ 165-170° (bath).

B,HCl: Mp 152-153°.

B,2HCl: Mp 218-219° dec.

B,H_3PO_4: [5428-64-8]. Pale-yellow cryst. Mp 189.5°.

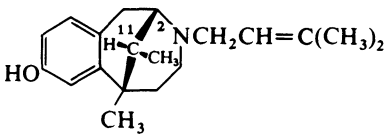
▷VC0260000.

Drake, N.L. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1529 (*synth*)
Loeb, R.F., *J. Am. Med. Assoc.*, 1946, **132**, 321 (*pharmacol*)
Green, M.B., *J. Am. Chem. Soc.*, 1951, **73**, 986 (*synth*)
Elderfield, R.C. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2963 (*synth*)
Baty, J.D. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 76 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1385.

Pentazocine, BAN, USAN, INN, JAN P-00093

1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol, 9CI. Talwin. Fortral. NSC 107430. Other proprietary names

[359-83-1]



$C_{19}H_{27}NO$ M 285.428

▷PB8750000.

(2RS,6RS,11RS)-form

Analgesic. Cryst. (Me_2CO). Mp 146-148°.

B,HCl: Pentazocine hydrochloride, USAN. Algopent. Lactate (salt): [17146-95-1]. *Pentazocine lactate, USAN.*

▷OD5400000.

Archer, S. *et al*, *J. Med. Chem.*, 1964, **7**, 123 (*synth*)
Fales, H.M, *Arch. Mass Spectral Data*, 1971, **2**, 658 (*ms*)
Brogden, R.N. *et al*, *Drugs*, 1973, **5**, 6 (*rev, pharmacol*)
Kametani, T., *Heterocycles*, 1974, **2**, 79 (*rev*)
Kametani, T., *J. Org. Chem.*, 1976, **41**, 2545 (*synth*)
Albertson, N.F. *et al*, *J. Med. Chem.*, 1978, **21**, 471 (*synth, pharmacol*)
Wilson, T.D. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 361 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5432.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6251, 6252, 6253.

Pentetic acid P-00094

N,N-Bis[2-[bis(carboxymethyl)amino]ethyl]glycine, 9CI. [[(Carboxymethyl)imino]bis(ethylenenitrilo)]-tetraacetic acid, 8CI. Nitrilodiethylenedinitrilopentaacetic acid. Diethylenetriaminepentaacetic acid

[67-43-6]

$[(HOOCCH_2)_2NCH_2CH_2]_2NCH_2COOH$

$C_{14}H_{23}N_3O_{10}$ M 393.350

Chelating agent, employed as various salts. Cryst. (H_2O). pK_{a1} 1.79, pK_{a2} 2.56, pK_{a3} 4.42, pK_{a4} 8.76, pK_{a5} 10.42. Zwitterionic in crystal state. Numerous salts known.

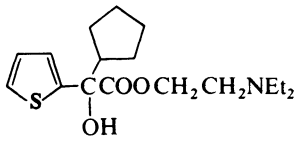
▷MB8205000.

Ca-tri-Na salt: [1317-31-3]. *Calcium trisodium pentetate, BAN. Calcium Chel 330. NSC 34249.* Chelating agent used medicinally.

Frost, A.E., *Nature (London)*, 1956, **178**, 322 (*synth, props*)
Nakamoto, K. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 309 (*struct, ir*)
Kula, R.J. *et al*, *Inorg. Chem.*, 1964, **3**, 458 (*pmr*)
Sudmeier, J.L. *et al*, *Anal. Chem.*, 1964, **36**, 1698 (*pmr*)
Lin, E. *et al*, *J. Magn. Reson.*, 1971, **4**, 301 (*nmr*)

Penthienate, BAN **P-00095**

2-[(Cyclopentylhydroxy-2-thienylacetyl)oxy]-N,N-diethylethanamine, 9CI



$C_{17}H_{27}NO_3S$ M 325.465

(±)-form

Anticholinergic, spasmolytic agent.

B,HCl: Mp 174-175°.

B,MeBr: [60-44-6]. *Monodral bromide. Dorico. Win 4369.*

$C_{18}H_{30}BrNO_3S$ M 420.404

Pale-yellow cryst. Mp 124.6°.

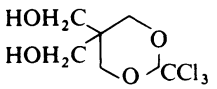
▷BP7525000.

Blicke, F.F. *et al, J. Am. Chem. Soc.*, 1944, **66**, 1645 (*synth*)
Luduena, F.P. *et al, J. Pharmacol.*, 1954, **110**, 282 (*use*)
Guy, J.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1974, 1126 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 402.

Penthrichloral, BAN, INN **P-00096**

2-(Trichloromethyl)-1,3-dioxane-5,5-dimethanol, 9CI. Clorased

[5684-90-2]



$C_7H_{11}Cl_3O_4$ M 265.521

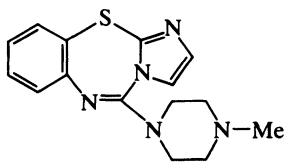
Hypnotic, sedative, binder for polyester fibres. Mp 183-185°.

Fr. Pat., M18, (*1961*); *CA*, **57**, 15251d (*synth, pharmacol*)

Pentiapine, INN **P-00097**

5-(4-Methyl-1-piperazinyl)imidazo[2,1-b][1,3,5]-benzothiadiazepine, 9CI

[81382-51-6]



$C_{15}H_{17}N_5S$ M 299.393

Tranquilliser. Cryst. (2-propanol). Mp 141-144°.

B,2HCl: [81407-60-5]. Mp 216-219°.

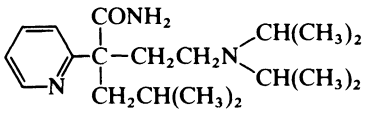
Maleate (1:1): [81382-52-7]. *Pentiapine maleate, USAN. CGS 10746B.* Cryst. (EtOAc/Et_2O). Mp 194-196°.

Della Vecchia, L. *et al, J. Heterocycl. Chem.*, 1983, **20**, 1287 (*synth*)
Altar, C.A. *et al, Life Sci.*, 1986, **39**, 699 (*pharmacol*)

Penticainide **P-00098**

α-[2-[Bis(1-methylethyl)amino]ethyl]-α-(2-methylpropyl)-2-pyridineacetamide, 9CI. Propisomide. ***Pentisomide, INN.*** *CM 7857*

[78833-03-1]



$C_{19}H_{33}N_3O$ M 319.489

(±)-form

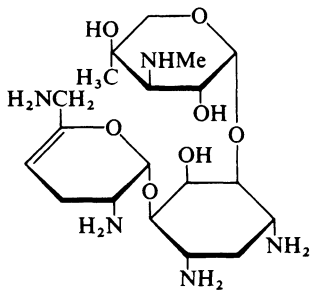
Antiarrhythmic agent. Cryst. (isopropyl ether). Mp 108-109°.

Bernhart, C.A. *et al, J. Med. Chem.*, 1983, **26**, 451 (*synth, pharmacol*)
Houin, G. *et al, Clin. Chem.*, 1985, **31**, 1222 (*hplc*)
Davi, H. *et al, Biomed. Mass Spectrom.*, 1986, **13**, 559 (*metab, ms*)
Gautier, P. *et al, J. Cardiovasc. Pharmacol.*, 1987, **9**, 601 (*pharmacol*)
Sassine, A. *et al, Drugs Exp. Clin. Res.*, 1987, **13**, 15 (*pharmacol*)

Pentisomicin, USAN, INN **P-00099**

Mutamicin 6. 5-Episisomicin. Sch 22591. Antibiotic Sch 22591

[55870-64-9]



$C_{19}H_{37}N_5O_7$ M 447.531

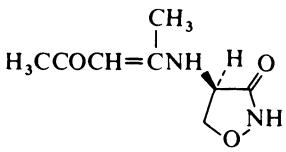
Aminoglycoside antibiotic. Semisynthetic. Obt. from *Micromonospora inyoensis.*

▷NM7524000.

Ger. Pat., 2 437 159, (*1975*); *CA*, **83**, 41508 (*isol*)
U.S.P., 4 011 390, (*1977*); *CA*, **86**, 169333 (*manuf*)
Waitz, J.A. *et al, Antimicrob. Agents Chemother.*, 1978, **13**, 41 (*props*)
Daniel, P.J.L. *et al, J. Chem. Soc., Perkin Trans. 1*, 1981, 2209 (*cmr*)
Amirak, I.D. *et al, J. Antimicrob. Chemother.*, 1985, **15**, 607 (*pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1281.

Pentizidone, INN **P-00100**

4-[(1-Methyl-3-oxo-1-butenyl)amino]-3-isoxazolidinone, 9CI



$C_8H_{12}N_2O_3$ M 184.194

***(R)*-form** [55694-83-2]

Antibacterial agent. Mp 146°. $[\alpha]_D^{27}$ −158° (MeOH).

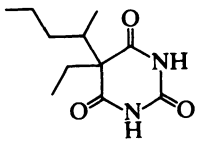
Na salt: [55694-87-6]. *Pentizidone sodium, USAN. MK 642.* Hemihydrate.

Ger. Pat., 2 436 960, (*1975*); *CA*, **82**, 170879d (*synth*)
Horne, D. *et al*, *Antimicrob. Agents Chemother.*, 1977, **11**, 888 (*pharmacol*)
Jensen, N.P. *et al*, *J. Med. Chem.*, 1980, **23**, 6 (*synth, pharmacol*)

Pentobarbitone, BAN **P-00101**

5-Ethyl-5-(1-methylbutyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Ethyl-5-(1-methylbutyl)barbituric acid. ***Pentobarbital,*** *USAN, INN. Mebubarbital. Mebumal. Numerous proprietary names*

[76-74-4]



$C_{11}H_{18}N_2O_3$ M 226.275
Hypnotic, sedative, anaesthetic. Used as Na salt.
▷CQ5775000.

Na salt: [57-33-0]. *Pentobarbitone sodium, BAN. Napental. Nembutal sodium. Palapent. Sodital. Other synonyms.* Cryst. granules or powder. Component of Carbrital, Sedalxir. Dec. at ca. 127°.
▷CQ6125000.

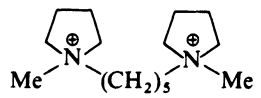
(±)-*form*

Tabern, D.L. *et al*, *J. Am. Chem. Soc.*, 1934, **56**, 1139 (*synth, props*)
Verrier, M., *Bull. Soc. Chim. Fr.*, 1957, 905 (*synth*)
Mayrert, E.W. *et al*, *J. Pharmacol. Exp. Ther.*, 1965, **150**, 118 (*metab*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1966, **299**, 231, 688; 1968, **301**, 682 (*pmr, resoln, struct*)
Avdovich, H.W. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)
Asada, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1978, **51**, 3379 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4056, 4057, 4058.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2153 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1982.

Pentolium(2+) **P-00102**

1,1'-(1,5-Pentanediyl)bis-1-methylpyrrolidinium, 9CI. 1,1-Pentamethylenebis-1-methylpyrrolidinium, 8CI. Pentapyrrolidine. Pentolinium. Pentolon. Pentolonium. Pyrroplegium. Other proprietary names

[144-44-5]



$C_{15}H_{32}N_2^{\oplus\oplus}$ M 240.431 (ion)
Antihypertensive, ganglion blocking agent. Used mainly as hydrogen tartrate.

Hydrogen tartrate: [52-62-0]. *Pentolinium tartrate, BAN. Pentolonium tartrate, INN. Ansolysen.*
$C_{23}H_{42}N_2O_{12}$ M 538.591
Sol. H_2O, insol. Et_2O, $CHCl_3$. Mp 203° dec.
▷UY4900000.

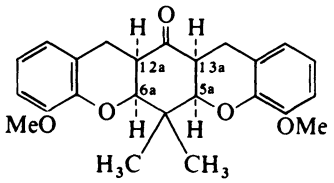
Iodide:
$C_{15}H_{32}IN_2$ M 367.336
Cryst. + $\frac{1}{2}H_2O$. Mp 292°.

Libman, D.D. *et al*, *J. Chem. Soc.*, 1952, 2305 (*synth*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Barafsky, D.F. *et al*, *Int. J. Mass Spectrom. Ion Phys.*, 1983, **46**, 359 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3796 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 891.

Pentomone, USAN, INN **P-00103**

5,6,6a,12a,13a,14-Hexahydro-4,8-dimethoxy-6,6-dimethyl-12H,13H-[1]benzopyrano[3,2-b]xanthen-13-one, 9CI. Lilly 113935

[67102-87-8]

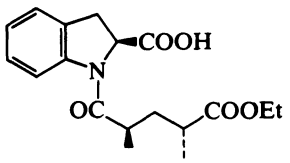


$C_{24}H_{26}O_5$ M 394.466
Prostate growth inhibitor, antiandrogen. Needles (CH_2Cl_2/hexane). Mp 208-209°.
U.S.P., 4 081 458, (*1978*); *CA*, **89**, 109431e (*synth, pharmacol*)

Pentopril, INN, USAN **P-00104**

2-Carboxy-2,3-dihydro-α,γ-dimethyl-δ-oxo-1H-indole-1-pentanoic acid α-ethyl ester, 9CI. CGS 13945

[82924-03-6]



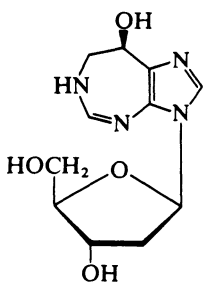
$C_{18}H_{23}NO_5$ M 333.383
Antihypertensive agent (angiotensin converting enzyme inhibitor). Mp 128-130°. $[\alpha]_D$ −162.8° (c, 0.91 in EtOH).

Gruenfeld, N. *et al*, *J. Med. Chem.*, 1983, **26**, 1277 (*synth, pharmacol*)
Chen, D.S. *et al*, *Drug Dev. Res.*, 1984, **4**, 167 (*pharmacol*)
Rakhit, A. *et al*, *J. Clin. Pharmacol.*, 1986, **26**, 156 (*pharmacol*)
Molteni, A. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1988, **291**, 21 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18950.

Pentostatin, USAN, INN **P-00105**

*3-(2-Deoxy-β-D-*erythro*-pentofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-d][1,3]diazepin-8-ol, 9CI. 2'-Deoxycoformycin. Covidarabine. ADAI. CI 825. d-Cof. NSC 218321. PD-ADI*

[53910-25-1]



$C_{11}H_{16}N_4O_4$ M 268.272

Nucleoside antibiotic. Prod. by *Streptomyces antibioticus* and *Aspergillus nidulans*. Potentiator, antineoplastic. Powerful adenosine deaminase inhibitor. Mp 220-225°. $[\alpha]_D^{25}$ +76.4° (c, 1 in H_2O).

▷NI2931000.

2'-Chloro-2'-deoxy: see Adechlorin, A-00066

Woo, P.W.K. *et al, J. Heterocycl. Chem.*, 1974, **11**, 641 (*isol, cmr, pmr, cryst struct, pharmacol*)
Japan. Pat., 77 128 292, (*1977*); *CA*, **88**, 73015
Poster, D.S. *et al, Cancer Clin. Trials*, 1981, **4**, 209 (*rev, pharmacol*)
Chan, E. *et al, J. Org. Chem.*, 1982, **47**, 3457; *J. Heterocycl. Chem.*, 1983, **20**, 629 (*synth, uv, ir, pmr*)
O'Dwyer, P.J. *et al, NIH Publ.*, 1984, 84, v2, 1 (*revs, pharmacol, props*)
Tunac, J.B. *et al, J. Antibiot.*, 1985, **38**, 1344 (*struct, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16946.

2-(Pentylamino)acetamide, 9CI P-00106

Milacemide, INN. *CP 1552S*

[76990-56-2]

$$H_3C(CH_2)_4NHCH_2CONH_2$$

$C_7H_{16}N_2O$ M 144.216

Anticonvulsant, antiepileptic. Cryst. (cyclohexane). Mp 46°.

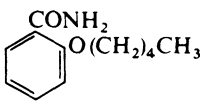
B,HCl: [76990-85-7]. *Milacemide hydrochloride, USAN.*

Ger. Pat., 3 010 599, (*1980*); *CA*, **94**, 139256x (*synth, pharmacol*)
Christophe, J. *et al, Life Sci.*, 1983, **33**, 533 (*activity*)
Van Dorsser, W. *et al, Arch. Int. Pharmacodyn. Ther.*, 1983, **266**, 239 (*metab*)
Albertson, T.E. *et al, Neuropharmacology*, 1984, **23**, 967 (*pharmacol*)
Youdim, M.B. *et al, Eur. J. Pharmacol.*, 1988, **150**, 381 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2185.

2-(Pentyloxy)benzamide, 8CI P-00107

O-Pentylsalicylamide. ***Pentalamide, BAN, INN***

[5579-06-6]



$C_{12}H_{17}NO_2$ M 207.272

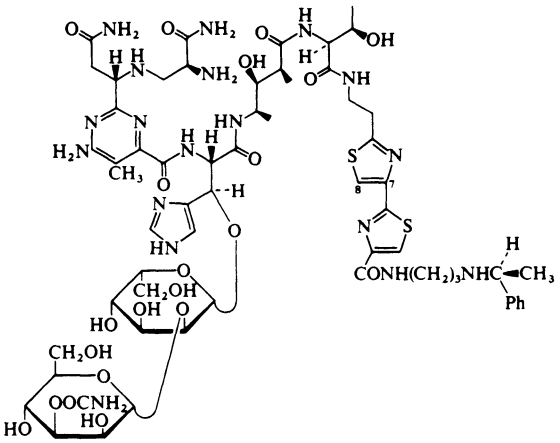
Antifungal agent used in topical preparations. Prisms. Sol. EtOH, Me_2CO, Et_2O. Mp 132°.

Bavin, E.M. *et al, J. Pharm. Pharmacol.*, 1952, **4**, 872 (*synth, props*)
Coates, L.V. *et al, J. Pharm. Pharmacol.*, 1957, **9**, 855 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2599.

Pepleomycin P-00108

(S)-N'-[*3*-[(*1-Phenylethyl*)*amino*]-*propylbleomycinamide. Bleomycin NK 631. 3*-(*1-Phenylethylamino*)*propylaminobleomycin.* ***Peplomycin, INN.*** *Pepleocine. Peplocin*

[68247-85-8]



$C_{61}H_{88}N_{18}O_{21}S_2$ M 1473.594

Semisynthetic. Shows antitumour and antibacterial activity.

▷EC5991700.

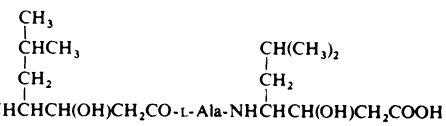
B,H_2SO_4: [70384-29-1]. *Peplomycin sulfate, JAN, USAN.*

7,8-Dihydro: [79736-64-4]. *Phleomycin PEP. 7,8-Dihydropepleomycin.*

$C_{61}H_{90}N_{18}O_{21}S_2$ M 1475.610

Tanaka, W., *Jpn. J. Antibiot.*, 1977, **30**, (*Suppl.*), 41 (*synth, props*)
Ger. Pat., 2 828 933, (*1979*); *CA*, **91**, 74902 (*synth*)
Tanaka, W. *et al, Heterocycles*, 1979, **13** (*Spec. Issue*), 469 (*synth*)
Oka, S., *Drugs Exp. Clin. Res.*, 1984, **10**, 533 (*rev, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13092.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2143.

Pepstatins P-00109



Pepstatin *A*: R = $COCH_2CH(CH_3)_2$ Pepstatin *AC*: R = $COCH_3$

Pepstatin *BU*: R = $COCH_2CH_2CH_3$

Pepstatin *PR*: R = $COCH_2CH_3$

Pepstatin A, 9CI [26305-03-3]

Pepstatin, INN, USAN. *Ahpatinin* C. *Pepsin inhibitor S 735A. Procidin S 735A*

$C_{34}H_{63}N_5O_9$ M 685.900

Pepsin inhibitor from *Streptomyces testaceus, S. procidinanus* and *S.* sp. WK 142. Mp 228-229°. WK 142 also prod. Ahpatinin *D*, which has same gross struct.

▷SC6155000.

Me ester: [29169-91-3]. ***Procidin S 735M.*** *Pepsin inhibitor S 735M.*

$C_{35}H_{65}N_5O_9$ M 699.927

From *S. procidinanus*.

Hydroxy: [52329-53-0]. ***Hydroxypepstatin* A**. *4-L-Serin-epepstatin* A.
$C_{34}H_{63}N_5O_{10}$ M 701.899
From *S. testaceus*. Cryst. Mp 232.5-233.5°. May contain fatty acid homologs.

Pepstatin AC [11076-29-2]
1-(N-Acetyl-L-valine)pepstatin A, *9CI. Pepsidin* C. *Pepsin inhibitor* Streptomyces naniwaensis. *S-PI*
From *S. naniwaensis* and *S. parvisporogenes*. Pepsin inhibitor. Mp 223-225° dec. $C_{31}H_{57}N_5O_9$, M 643.

Pepstatin B [38752-29-3]
1-[N-(1-Oxohexyl)-L-valine]pepstatin A
$C_{35}H_{65}N_5O_9$ M 699.927
From *S. testaceus*.

Pepstatin BU [50655-18-0]
1-[N-(1-Oxobutyl)-L-valine]pepstatin A, *9CI*
$C_{33}H_{61}N_5O_9$ M 671.873
Pepsin inhibitor produced by *S. parvisporogenes*. Mp 220-223° dec.

Pepstatin C [38752-30-6]
1-[N-(4-Methyl-1-oxopentyl)-L-valine]pepstatin A
$C_{35}H_{65}N_5O_9$ M 699.927
From *S. testaceus*.

Pepstatin D [39711-23-4]
1-[N-(1-Oxoheptyl)-L-valine]pepstatin A
$C_{36}H_{67}N_5O_9$ M 713.953
From *S. testaceus*.

Pepstatin E [39711-23-4]
1-[N-(5-Methyl-1-oxohexyl)-L-valine]pepstatin A
$C_{36}H_{67}N_5O_9$ M 713.953
From *S. testaceus*.

Pepstatin F [40621-60-1]
1-[N-(4-Methyl-1-oxohexyl)-L-valine]pepstatin A
$C_{36}H_{67}N_5O_9$ M 713.953
From *S. testaceus*.

Pepstatin G [39729-45-8]
1-[N-(1-Oxooctyl)-L-valine]pepstatin A
$C_{37}H_{69}N_5O_9$ M 727.980
From *S. testaceus*.

Pepstatin H [53226-74-7]
1-[N-(6-Methyl-1-oxoheptyl)-L-valine]pepstatin A
$C_{37}H_{69}N_5O_9$ M 727.980
From *S. testaceus*.

Pepstatin I [53226-75-8]
1-[N-(7-Methyl-1-oxooctyl)-L-valine]pepstatin A
$C_{38}H_{71}N_5O_9$ M 742.007
From *S. testaceus*.

Pepstatin J [53274-99-0]
1-[N-(1-Oxodecyl)-L-valine]pepstatin A
$C_{39}H_{73}N_5O_9$ M 756.034
From *S. testaceus*.

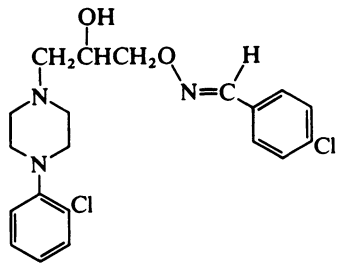
Pepstatin PR [50655-19-1]
1-[N-(1-Oxopropyl)-L-valine]pepstatin A, *9CI. Pepsidin* B. *Pepsinostreptin* P
$C_{32}H_{59}N_5O_9$ M 657.846
Pepsin inhibitor produced by *S. naniwaensis* and *S. parvisporogenes*. Mp 227-228° dec.

Pepsidin A [51724-57-3]
Pepsinostreptin. 1-[N-(2-Methyl-1-oxopropyl)-L-valine]pepstatin A
$C_{33}H_{61}N_5O_9$ M 671.873
From *S. naniwaensis*.

Umezawa, H. *et al, J. Antibiot.*, 1970, **23**, 259 (*isol, struct*)
Miyano, T. *et al, J. Antibiot.*, 1972, **25**, 489.
Morishima, H. *et al, J. Antibiot.*, 1972, **25**, 551 (*synth*)
Aoyagi, T. *et al, J. Antibiot.*, 1973, **26**, 539 (*isol, struct*)
Umezawa, H. *et al, J. Antibiot.*, 1973, **26**, 615.
Japan. Pat., 74 41 590, (*1974*); *CA*, **81**, 118535 (*isol, analogs*)
Japan. Pat., 74 125 583, (*1974*); *CA*, **82**, 153773 (*isol*)
Japan. Pat., 75 13 586, (*1975*); *CA*, **83**, 41553 (*isol*)
Umezawa, H. *et al, Methods Enzymol.*, 1976, **45**, 678 (*rev*)
Ger. Pat., 2 640 420, (*1977*); *CA*, **87**, 199179 (*isol*)
East Ger. Pat., 222 042, (*1985*); *CA*, **103**, 140320
Omura, S. *et al, J. Antibiot.*, 1986, **39**, 1079 (*isol, struct*)
Roy, P. *et al, Int. J. Pept. Protein Res.*, 1987, **30**, 44 (*pmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13093.

Peraclopone, INN P-00110

4-Chlorobenzaldehyde O-[*3-[4-(2-chlorophenyl)-1-piperazinyl]-2-hydroxypropyl]oxime*, *9CI*
[92928-91-1]



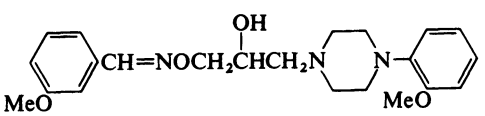
(*E*)-*form*

$C_{20}H_{23}Cl_2N_3O_2$ M 408.327

(*E*)-(±)-***form*** [96164-19-1]
Antilipidaemic agent.
B,HCl: HCG 917. Cryst. (EtOH). Mp 167-168°.
Ger. Pat., 2 658 762, (*1978*); *CA*, **89**, 146935 (*synth, pharmacol*)
Bonjour, J.P. *et al, Proc. Workshop Vitam. D*, 1985, **6**, 707 (*pharmacol*)

Peradoxime, INN P-00111

3-Methoxybenzaldehyde O-[*2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]oxime*, *9CI*. m-*Anisaldehyde* O-[*2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]oxime*
[67254-81-3]



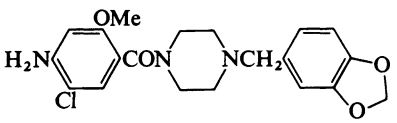
$C_{22}H_{29}N_3O_4$ M 399.489

(±)-***form***
Antihypertensive agent.
B,2HCl: [67610-10-0]. Mp 171-173°.
Ger. Pat., 2 658 938, (*1978*); *CA*, **89**, 146940r (*synth, pharmacol*)

Peralopride, INN **P-00112**

1-(4-Amino-5-chloro-2-methoxybenzoyl)-4-(1,3-benzodioxol-5-ylmethyl)piperazine, 9CI. *1-(4-Amino-5-chloro-o-anisoyl)-4-piperonylpiperazine*

[57083-89-3]



$C_{20}H_{22}ClN_3O_4$ M 403.865

Tranquilliser, antidepressant. Cryst. Mp 134-135°.

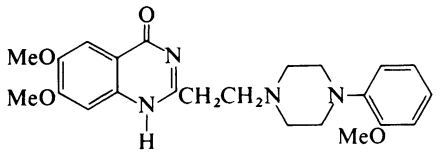
Maleate: [57083-90-6]. Cryst. (EtOH). Mp 195°.

Ger. Pat., 2 502 684, (*1975*); *CA*, **83**, 179119 (*synth, tox, pharmacol*)

Peraquinsin, INN **P-00113**

6,7-Dimethoxy-2-[2-[4-(4-methoxyphenyl)-1-piperazinyl]ethyl]-4(1H)-quinazolinone, 9CI

[35265-50-0]



$C_{23}H_{28}N_4O_4$ M 424.499

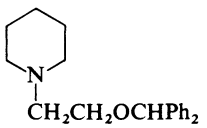
Antihypertensive agent. Cryst. (EtOH). Mp 218°.

Ger. Pat., 2 027 645, (*1971*); *CA*, **76**, 85842t (*synth, pharmacol*)

Perastine, INN **P-00114**

1-[2-(Diphenylmethoxy)ethyl]piperidine. Benzperidine

[4960-10-5]



$C_{20}H_{25}NO$ M 295.424

Antihistaminic. Bp_{11} 219-223°.

B,HCl: [3626-66-2]. Mp 168-170°.

▷TM7800000.

Protiva, M. *et al*, *Collect. Czech. Chem. Commun.*, 1948, **13**, 326 (*synth*)

Sugasawa, S. *et al*, *J. Pharm. Soc. Jpn.*, 1951, **71**, 365 (*synth*)

Klosa, J., *Arch. Pharm.* (*Weinheim, Ger.*), 1955, **288**, 246 (*synth*)

Protiva, M. *et al*, *Pharmatherapeutica*, 1963, 267 (*rev, pharmacol*)

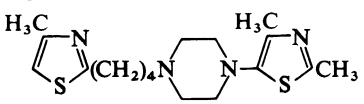
East Ger. Pat., 42 953, (*1966*); *CA*, **65**, 5446 (*synth*)

Sarsunova, M. *et al*, *Pharmazie*, 1966, **21**, 752 (*tlc*)

Peratizole, BAN, INN **P-00115**

1-[4-(2,4-Dimethyl-5-thiazolyl)butyl]-4-(4-methyl-2-thiazolyl)piperazine, 8CI

[29952-13-4]



$C_{17}H_{26}N_4S_2$ M 350.539

Tranquilliser, antihypertensive agent. $Bp_{0.01}$ 205-210°.

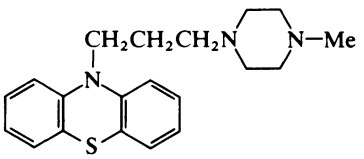
Maleate (1:2): [29953-55-7]. *Peratizole maleate. EMD 19698.* Mp 130-131°.

B.P., 1 234 012, (*1970*); *CA*, **74**, 3656g (*synth*)

Perazine **P-00116**

10-[3-(4-Methyl-1-piperazinyl)propyl]-10H-phenothiazine, 9CI. *Psytomin. Taxilan. P 725*

[84-97-9]



$C_{20}H_{25}N_3S$ M 339.498

Neuroleptic, tranquilliser. Spectrophotometric reagent for Pt. Oil or cryst. Mp 53-56°.

▷SP1140000.

B,2HCl: Needles. Mp 234-236° dec.

Maleate (1:2): [14516-56-4]. Cryst. (H_2O). Mp 210°.

Nieschulz, O. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 199 (*pharmacol*)

Wirth, W. *et al*, *Arch. Int. Pharmacodyn.*, 1959, **123**, 78 (*pharmacol*)

Krauss, D. *et al*, *J. Pharm. Pharmacol.*, 1969, **21**, 808 (*metab*)

Breyer-Pfaff, U. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 114 (*metab*)

Gowda, H.S. *et al*, *Analyst*, 1979, **104**, 400 (*use*)

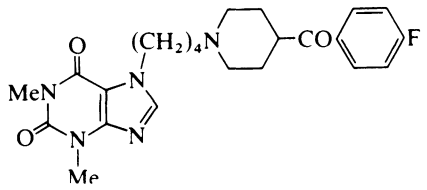
Owen, T.C. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 265 (*synth, pmr, bibl*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7081.

Perbufylline, INN **P-00117**

7-[4-[4-(4-Fluorobenzoyl)-1-piperidinyl]butyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. *Sqd 1-85*

[110390-84-6]



$C_{23}H_{28}FN_5O_3$ M 441.504

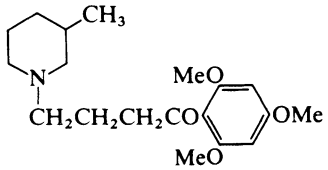
Bronchodilator. Cryst. (MeOH). Mp 137°.

U.S.P., 4 668 786, (*1987*); *CA*, **107**, 217373m (*synth*)

Perfomedil, INN **P-00118**

4-(3-Methyl-1-piperidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, 9CI

[92268-40-1]



$C_{19}H_{29}NO_4$ M 335.442

Vasodilator.

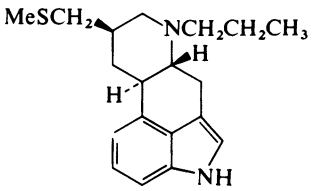
B,HCl: [92231-92-0]. *CRL 41034.* Cryst. (EtOAc/2-propanol). Mp 110°.

Fr. Pat., 2 534 912, (*1984*); *CA*, **101**, 151764 (*synth*)

Pergolide, INN, BAN P-00119

8β-[(Methylthio)methyl]-6-propylergoline, 9CI

[66104-22-1]



$C_{19}H_{26}N_2S$ M 314.488

Semisynthetic ergotamide deriv. with strong dopamine agonist activity; currently under evaluation against Parkinsonism and hyperprolactinaemia characterised diseases. Mp 206-209°.

B,MeSO₃H: [66104-23-2]. *Pergolide mesylate, USAN. LY 127809.* Cryst. Mp 225° dec.

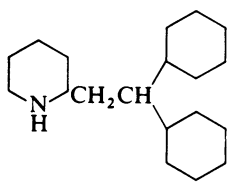
▷KE6345000.

Eur. Pat., 3 667, (*1979*); *CA*, **92**, 181450q (*synth, pharmacol*)
Fuller, R.W. *et al, Life Sci.*, 1979, **24**, 375 (*pharmacol*)
Lemberger, L. *et al, Science*, 1979, **205**, 1151 (*pharmacol*)
Callaghan, J.T. *et al, Life Sci.*, 1981, **28**, 95 (*pharmacol*)
Kerr, K.M. *et al, J. Chromatogr.*, 1981, **219**, 317 (*hplc*)
Rubin, A. *et al, Clin. Pharmacol. Ther.*, 1981, **30**, 258 (*metab*)
Jankovic, J., *Clin. Neuropharmacol.*, 1985, **8**, 131 (*rev, pharmacol*)
Ma, L.Y.Y. *et al, Can. J. Chem.*, 1987, **65**, 256 (*cryst struct, bibl*)
Ruffolo, R.R. *et al, Pharmacology*, 1987, **35**, 148 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13095.

Perhexiline, BAN, INN P-00120

2-(2,2-Dicyclohexylethyl)piperidine, 9CI, 8CI

[6621-47-2]



$C_{19}H_{35}N$ M 277.492

Antianginal drug. Diuretic.

B,HCl: [6621-48-3]. Mp 150-151.5°.

Maleate (1:1): [6724-53-4]. *Perhexiline maleate, BAN, USAN. Corzepin. Daprin. Nodixil. Pexid. WSM 3978G.* Mp 188.5-191°.

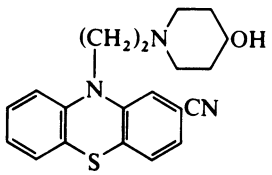
▷TM7068000.

B.P., 1 025 578, (*1966*); *CA*, **65**, 2229f (*synth*)
Rowe, G.G. *et al, Arch. Int. Pharmacodyn. Ther.*, 1970, **187**, 377 (*pharmacol*)
Vaughan Williams, E.M., Ed., *Antiarrhythmic Action and the Puzzle of Perhexilene*, Academic Press, N.Y., 1980 (*book*)
Leclerc, G. *et al, J. Med. Chem.*, 1982, **25**, 709 (*bibl*)
Dawson, B.M. *et al, Acta Crystallogr., Sect. C*, 1986, **42**, 67 (*cryst struct*)
Dubost, J.P. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1986, **302**, 25 (*cryst struct*)
Gould, B.J. *et al, Xenobiotica*, 1986, **16**, 63, 491 (*metab, isom*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9272.

Pericyazine, BAN P-00121

10-[3-(4-Hydroxy-1-piperidinyl)propyl]phenothiazine-2-carbonitrile, 9CI. 2-Cyano-10-[3-(4-hydroxypiperidino)propyl]phenothiazine. ***Periciazine, INN, JAN.*** *Propériciazine. Neulactil. Other proprietary names*

[2622-26-6]



$C_{21}H_{23}N_3OS$ M 365.492

Tranquilliser, neuroleptic. Yellow cryst. powder. Mp 116-117°.

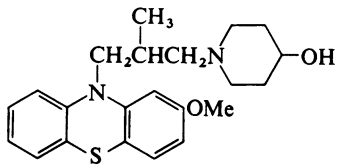
▷SN7175000.

Fr. Pat., 1 212 031, (*1961*); *CA*, **55**, 19961 (*synth*)
Julou, L. *et al, Compt. Rend. Soc. Biol.*, 1963, **15**, 1242 (*pharmacol*)
Azzaro, M. *et al, Bull. Soc. Chim. Fr.*, 1967, 1977 (*pmr*)
Gilbert, J.N.T. *et al, Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Barbe, J. *et al, Ann. Pharm. Fr.*, 1973, **31**, 227 (*uv*)
Blazek, J. *et al, Cesk. Farm.*, 1975, **24**, 174 (*ir*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6108 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7082.

Perimetazine, INN P-00122

1-[3-(2-Methoxy-10H-phenothiazin-10-yl)-2-methylpropyl]-4-piperidinol, 9CI. Leptryl. AN 1317. RP 9159

[13093-88-4]



$C_{22}H_{28}N_2O_2S$ M 384.535

▷TN7700000.

(±)-form

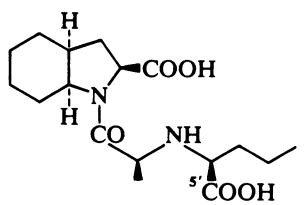
Neuroleptic, hypnotic, sedative, anaesthetic (premedication). Cryst. (cyclohexane/C_6H_6). Mp 137-138°.

Ger. Pat., 1 117 584, (*1961*); *CA*, **57**, 477g (*synth, pharmacol*)
B.P., 904 210, (*1962*); *CA*, **58**, 4582 (*synth*)
Julou, L. *et al, Compt. Rend. Soc. Biol.*, 1966, **160**, 1852 (*pharmacol*)

Perindoprilat, INN P-00123

1-[2-[(1-Carboxybutyl)amino]-1-oxopropyl]octahydro-1H-indole-2-carboxylic acid, 9CI. S 9780

[95153-31-4]



$C_{17}H_{28}N_2O_5$ M 340.419

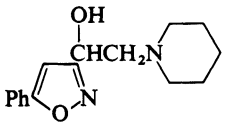
Antihypertensive agent (angiotensin-converting enzyme inhibitor).

5'-Mono-Et ester: [82834-16-0]. ***Perindopril, INN.*** *Coversyl. S 9490.*
$C_{19}H_{32}N_2O_5$ M 368.472
Antihypertensive agent (ACE inhibitor). Mp 134° dec. $[\alpha]_D^{20.5}$ −64.8° (c, 1 in EtOH).

Vincent, M. *et al, Tetrahedron Lett.*, 1982, **23**, 1677 (*synth*)
Laubie, M. *et al, J. Cardiovasc. Pharmacol.*, 1984, **6**, 1076 (*pharmacol*)
Unger, T. *et al, J. Cardiovasc. Pharmacol.*, 1986, **8**, 276, 346 (*pharmacol*)
Reid, J.L. *et al, Clin. Exp. Hypertens., Part A*, 1987, **9**, 361 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 729.

Perisoxal, INN P-00124

α-(5-Phenyl-3-isoxazolyl)-1-piperidineethanol, 9CI
[2055-44-9]

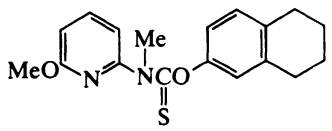


$C_{16}H_{20}N_2O_2$ M 272.346
(±)-*form*
Analgesic, antiinflammatory agent. Plates (EtOH aq.). Mp 107-108°.
B,HCl: [7041-74-9]. Mp 229-230°.
▷TM9900000.
Citrate: [2139-25-5]. *Perisoxal citrate, JAN.* Prisms (EtOH/Me_2CO). Mp 143-145°.
▷TM9850100.

Kano, H. *et al, J. Med. Chem.*, 1967, **10**, 411 (*synth, pharmacol*)
Watanabe, J. *et al, Chem. Pharm. Bull.*, 1979, **27**, 1075 (*metab*)
Mizojiri, K. *et al, Chem. Pharm. Bull.*, 1981, **29**, 3667 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13096.

Peritetrate P-00125

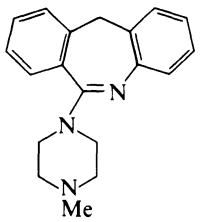
(6-Methoxy-2-pyridinyl)methylcarbamothioic acid O-(5,6,7,8-tetrahydro-2-naphthalenyl) ester, 9CI
[88678-31-3]



$C_{18}H_{20}N_2O_2S$ M 328.428
Antifungal agent. Mp 98.5-99.5°.
Eur. Pat., 194 562, (*1986*); *CA*, **106**, 138259 (*synth, props*)

Perlapine, BAN, USAN, INN, JAN P-00126

6-(4-Methyl-1-piperazinyl)-11H-dibenz[b,e]azepine, 9CI. 6-(4-Methyl-1-piperazinyl)morphanthridine, 8CI. Hypnodin. AW 142333. HF 2333. MP 11
[1977-11-3]



$C_{19}H_{21}N_3$ M 291.395
Hypnotic. Yellow prisms (Me_2CO/pet. ether). Mp 136-138°.
▷HO2840000.

Hunziker, F. *et al, Helv. Chim. Acta*, 1966, **49**, 1433 (*synth*)
Rudzik, A.D. *et al, Annu. Rep. Med. Chem.*, 1972, **7**, 39 (*pharmacol*)
Stille, G. *et al, Psychopharmacologia*, 1973, **28**, 325 (*pharmacol*)
Sinha, A.K. *et al, Indian J. Chem., Sect. B*, 1984, **23**, 165 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4059.

Permanganic acid P-00127

[13465-41-3]

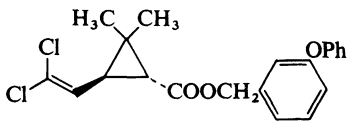
$HMnO_4$

HO_4Mn M 119.944
Dec. at 3°.
K salt: [7722-64-7]. *Potassium permanganate, USAN.*
$KMnO_4$ M 158.034
Topical antiinfective agent. Dark bronze-purple cryst. Dec. at 240°.
▷SD6475000.

Frigerio, N.A., *J. Am. Chem. Soc.*, 1969, **91**, 6200 (*synth*)
Smyth, H.F. *et al, Am. Ind. Hyg. Assoc. J.*, 1969, **30**, 470 (*tox*)
Lowenheim, F.A. *et al (Eds.), Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 679
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5907.
Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2862.

Permethrin, BAN, INN, USAN P-00128

(3-Phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate, 9CI. 3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate. Stomoxin. Pyreflor. Wellcare. FMC 33297
[52645-53-1]



$C_{21}H_{20}Cl_2O_3$ M 391.293
Insecticide for veterinary use. Cryst. or pale yellow viscous liq. Mp ~35°. $Bp_{0.05}$ 220°. More stable to light and lower mammalian toxicity than natural pyrethrins. Toxic to bees and fish.
▷Irritant to skin and eyes. GZ1255000.

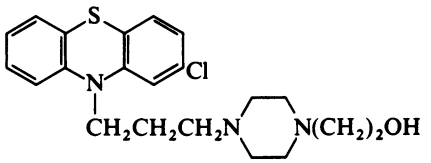
Ruscoe, C.N.E., *Pestic. Sci.*, 1977, **8**, 236 (*rev*)

Iwaoka, T. *et al*, *Agric. Biol. Chem.*, 1981, **45**, 1381 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13097.

Perphenazine, BAN, INN P-00129

4-[3-(2-Chlorophenothiazin-10-yl)propyl]-1-piperazineethanol, 9CI, 8CI. 2-Chloro-10-[3-[1-(2-hydroxyethyl)-4-piperazinyl]propyl]phenothiazine. Chlorpiprazine. Trilaton. Numerous proprietary names

[58-39-9]



$C_{21}H_{26}ClN_3OS$ M 403.969
Tranquilliser. Cryst. (EtOAc). Mp 100-101°. Bp_1 278-281°, $Bp_{0.15}$ 214-215°. Light-sensitive.
▷TL7175000.

Ac: [84-06-0]. *Perphenazine acetate.* ***Thiopropazate, BAN, INN.*** *Artalan. Dartal. Dartalan. Dartan. BS 14. SC 7105.*
$C_{23}H_{28}ClN_3O_2S$ M 446.006
Neuroleptic, tranquilliser. $Bp_{0.1}$ 214-218°.
▷TL7300000.

Ac; B,2HCl: [146-28-1]. Cryst. (EtOH aq.). Dec. at 223-229°.
▷TL7350000.

3,4,5-Trimethoxybenzoyl: [388-51-2]. *Perphenazine trimethoxybenzoate.* ***Metofenazate, INN.*** *Methophenazin. Frenolon. Phrenolon. Sylador (obsol.).*
$C_{31}H_{36}ClN_3O_5S$ M 598.156
Neuroleptic, tranquilliser. Cryst. (EtOH). Mp 102-107°.
▷DH9600000.

3,4,5-Trimethoxybenzoyl, difumarate: [522-23-6]. Mp 190-194°.
▷DH9800000.

U.S.P., 2 766 235, (*1956*); *CA*, **51**, 7442 (*Thiopropazate*)
B.P., 805 778, (*1958*); *CA*, **53**, 8177 (*synth*)
Irwin, S. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1959, **118**, 358 (*pharmacol*)
High, J.P. *et al*, *Toxicol. Appl. Pharmacol.*, 1960, **2**, 540 (*pharmacol*)
Toldy, L. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1964, **42**, 351; *CA*, **63**, 14853 (*Metofenazate*)
Zhuravlev, S.V. *et al*, *Zh. Prikl. Khim.*, 1965, **38**, 1174 (*synth*)
Azzaro, M. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 1977 (*pmr*)
Gilbert, J.N.T. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Horovitz, Z.P. *et al*, *Psychopharmacol. Bull.*, 1971, **7**, 24 (*rev, pharmacol*)
Brazek, J. *et al*, *Cesk. Farm.*, 1975, **24**, 174 (*ir*)
Hawes, E.M. *et al*, *J. Labelled Compd. Radiopharm.*, 1983, **20**, 757 (*synth*)
Krocmar, J. *et al*, *Pharmazie*, 1986, **41**, 571 (*uv, vis*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6185 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7084, 7112, 12955.

Pertechnetic acid P-00130

HTcO4

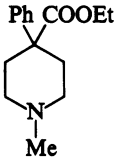
HO_4Tc M 163.006
Na salt: [13718-28-0]. *Sodium pertechnetate.*
$NaTcO_4$ M 184.987
^{99m}Tc labelled cpd. used as a radioactive agent for brain scanning.

Keller, C. *et al*, *Radiochim. Acta*, 1963, **1**, 107; *CA*, **59**, 1256a (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5878.

Pethidine, BAN, INN P-00131

1-Methyl-4-phenyl-4-piperidinecarboxylic acid ethyl ester, 9CI. 1-Methyl-4-phenylisonipecotic ethyl ester, 8CI. Ethyl N-methyl-4-phenylpiperidine-4-carboxylate. Meperidine. Demerol. Isonipecaine. Operidine. Numerous proprietary names

[57-42-1]



$C_{15}H_{21}NO_2$ M 247.336
Narcotic analgesic, administered epidurally during parturition. Mp 30°. Bp_5 155°. Usually used as hydrochloride.
▷NS5775000.

B,HCl: [50-13-5]. *Meperidine hydrochloride, USAN.* Minute cryst. Insol. C_6H_6, Et_2O. Mp 186-189°. Bitter-tasting. Component of Mepergan.
▷NS5950000.

Smissman, E.E. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1201 (*synth*)
Hardy, D.G. *et al*, *J. Med. Chem.*, 1965, **8**, 847 (*synth, pharmacol*)
Fish, N.P. *et al*, *Anal. Profiles Drug Subst.*, 1972, **1**, 175 (*rev*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Tillack, J.V. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1974, **93**, 164 (*cryst struct*)
Jardine, I. *et al*, *Anal. Chem.*, 1975, **47**, 730 (*ms*)
Peters, J.H. *et al*, *Toxicol. Appl. Pharmacol.*, 1975, **31**, 290 (*pharmacol*)
Mather, L.E. *et al*, *Clin. Pharmcokinet.*, 1978, **3**, 352 (*rev*)
Yeh, Y. *et al*, *J. Pharm. Sci.*, 1981, **70**, 867 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3671 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6254.

Petrichloral, INN P-00132

1,1'-[2,2-Bis[(2,2,2-trichloro-1-hydroxyethoxy)-methyl]-1,3-propanediylbis(oxy)bis[2,2,2-trichloroethanol], 9CI. 1,1',1'',1'''-(Neopentanetetrayltetraoxy)-tetrakis(2,2,2-trichloroethanol). Tetrakis[(2,2,2-Trichloro-1-hydroxyethoxy)methyl]methane. Pentaerythritol chloral. Perichloral

[78-12-6]

$C[CH_2OCH(OH)CCl_3]_4$

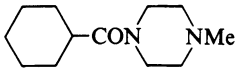
$C_{13}H_{16}Cl_{12}O_8$ M 725.701
Hypnotic, sedative. Yellow glass. Mp 52-54°.
▷Addictive. KL8925000.

U.S.P., 2 784 237, (*1957*); *CA*, **51**, 13133a (*synth, pharmacol*)

Pexantel, INN P-00133

1-(Cyclohexylcarbonyl)-4-methylpiperazine, 8CI. Cyclohexyl 4-methylpiperazinyl ketone

[10001-13-5]



$C_{12}H_{22}N_2O$ M 210.319

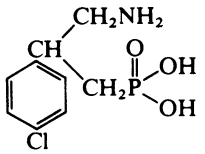
Anthelmintic (used to treat filariasis). Insect repellant. Bp_3 146°.

Maleate: [14480-84-3]. Mp 156°.

Fr. Pat., 1 481 082, (*1967*); *CA*, **68**, 105240k (*synth, pharmacol*)
U.S.P., 4 264 594, (*1981*); *CA*, **95**, 114903 (*synth, use*)

Phaclofen P-00134

[3-Amino-2-(4-chlorophenyl)propyl]phosphonic acid, 9CI. Phosphonobaclofen



$C_9H_{13}ClNO_3P$ M 249.633

(±)-form [114012-12-3]

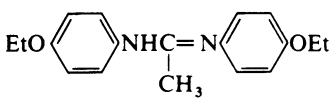
Used in neurochemical research in GABA receptors. Mp 285-287° (249-252°).

Chiefari, J. *et al*, *Aust. J. Chem.*, 1987, **40**, 1511 (*synth*)
Kerr, D. *et al*, *Brain Res.*, 1987, **405**, 150 (*props*)
Dutar, P., *Nature (London)*, 1988, **332**, 156 (*props*)

Phenacaine, INN P-00135

N,N'-Bis(4-ethoxyphenyl)ethanimidamide, 9CI. N^1,N^2-Bis(p-ethoxyphenyl)acetamidine, 8CI. Fenacaine. Holocaine. Tanicaine

[101-93-9]



$C_{18}H_{22}N_2O_2$ M 298.384

Local anaesthetic. Mp 117°. Used only as hydrochloride.

▷AD0350000.

B,HCl: [6153-19-1]. *Phenacaine hydrochloride, USAN.* Mp 190-192°.

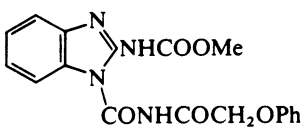
▷High oral toxicity

Adriani, J. *et al*, *Clin. Pharm. Ther.*, 1964, **5**, 49 (*pharmacol*)
Vigier, J. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 78 (*synth*)
O'Brian, K.P. *et al*, *Bull. Narcotics*, 1970, **22**, 35 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7640.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 896.

Phenacizol P-00136

[1-[[(Phenoxyacetyl)amino]carbonyl]-1H-benzimidazol-2-yl]carbamic acid methyl ester, 9CI

[42784-08-7]



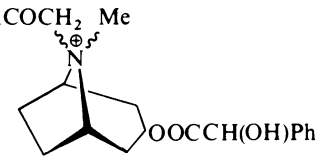
$C_{18}H_{16}N_4O_5$ M 368.348

Anthelmintic, fungicide and herbicide. Mp 280-282° dec.

B.P., 1 385 123, (*1975*); *CA*, **83**, 58830 (*synth, props*)
Ger. Pat., 2 751 287, (*1979*); *CA*, **91**, 168679 (*synth, props*)

Phenactropinium(1+) P-00137

N-Phenacylhomotropinium



$C_{24}H_{28}NO_4^{\oplus}$ M 394.490 (ion)

(±)-form

Antihypertensive drug. Ganglion blocking agent.

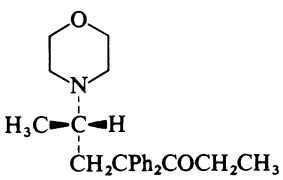
Chloride: [3784-89-2]. *Phenactropinium chloride, BAN, INN. Trophenium.*
$C_{24}H_{28}ClNO_4$ M 429.943
Cryst. (EtOH). Mp 195-197°.

U.S.P., 2 828 312, (*1958*); *CA*, **52**, 14714h (*synth*)
Deacock, A.R. de C *et al*, *Br. J. Anaesthesia*, 1962, **34**, 357 (*pharmacol*)

Phenadoxone, BAN, INN P-00138

6-(4-Morpholinyl)-4,4-diphenyl-3-heptanone, 9CI. Fenadoxone. Heptazone. Morphodone

[467-84-5]



(*S*)-form
Absolute configuration

$C_{23}H_{29}NO_2$ M 351.488

(*R*)-form

Pharmacologically potent isomer. $[M]_D$ +247° (c, 0.8 in hexane).

B,HCl: Mp 240° dec. $[\alpha]_D^{20}$ +78.0° (c, 0.9 in H_2O).

(*S*)-form

$[\alpha]_D^{20}$ −69.7° (c, 0.76 in EtOH).

B,HCl: [20874-24-2]. Mp 247°. $[\alpha]_D^{20}$ −88.8° (c, 0.76 in H_2O).

(±)-form

Narcotic analgesic. Hypnotic. Mp 75-76°. pK_a 6.7.

B,HCl: [545-91-5]. *Hepagin. Heptalgin. Heptalin. Heptone. Supralgin. CB 11. Hoechst 10600.* Insol. C_6H_6. Mp 224-225° dec.

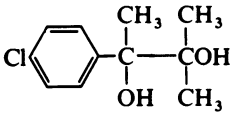
▷MJ7184000.

Bockmühl, M. *et al*, *Justus Liebigs Ann. Chem.*, 1948, **561**, 52 (*synth*)
Beckett, A.H. *et al*, *J. Chem. Soc.*, 1957, 3076 (*abs config*)
Janssen, P.A.J. *et al*, *J. Pharm. Pharmacol.*, 1957, **9**, 381 (*pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Wheals, B.B., *J. Chromatogr.*, 1980, **187**, 65 (*hplc*)

Phenaglycodol, BAN, INN **P-00139**

2-(4-Chlorophenyl)-3-methyl-2,3-butanediol, 9CI. Numerous proprietary names

[79-93-6]



$C_{11}H_{15}ClO_2$ M 214.691

▷EK1050000.

(±)-form

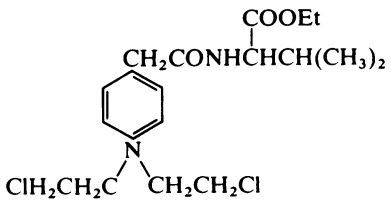
CNS depressant, drug of abuse. Tranquilliser. Cryst. (C_6H_6/pet. ether or hexane). Mp 77-78°.

Slater, I.H. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1956, **93**, 528 (*pharmacol*)
B.P., 788 896, (*1958*); *CA*, **52**, 11926 (*synth*)
Kochetkov, N.K. *et al*, *J. Gen. Chem. USSR* (*Engl. Transl.*). 1960, **30**, 3027 (*synth*)
Baker, J.K. *et al*, *J. Chromatogr.*, 1979, **168**, 417 (*hplc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2031 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7085.

Phenaline **P-00140**

N-[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl]valine ethyl ester. p-[Bis(2-chloroethyl)amino]-α-isopropylphenaceturic acid ethyl ester

[3568-16-9]



$C_{19}H_{28}Cl_2N_2O_3$ M 403.348

(±)-form

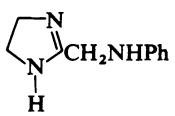
Antineoplastic agent. Mp 61-62°.

Golubeva, N.E. *et al*, *CA*, 1958, **52**, 14537 (*synth*)
Larionov, L.F., *Cancer Res.*, 1961, **21**, 99 (*pharmacol*)

Phenamazoline, INN **P-00141**

4,5-Dihydro-N-phenyl-1H-imidazole-2-methanamine, 9CI. 2-(Anilinomethyl)-2-imidazoline

[501-62-2]



$C_{10}H_{13}N_3$ M 175.233

Vasoconstrictor, sympathomimetic agent.

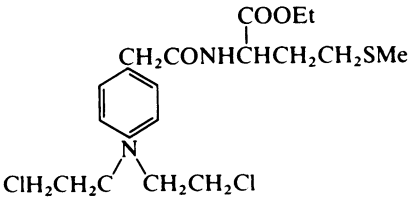
B,HCl: [24359-77-1]. *Otrivin.* Cryst. (EtOH/pet. ether). Mp 180-182°.

Pohle, F. *et al*, *Arch. Exp. Path. Pharmakol.*, 1940, **196**, 408 (*pharmacol*)
Meier, R. *et al*, *Helv. Physiol. Pharmacol. Acta*, 1949, **7**, 230 (*pharmacol*)
Urech, E. *et al*, *Helv. Chim. Acta*, 1950, **33**, 1386 (*synth*)

Phenamet **P-00142**

N-[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl-L-methionine ethyl ester. p-[Bis(2-chloroethyl)amino]-α-[2-(methylthio)ethyl]phenaceturic acid ethyl ester. Fenamet

[3819-34-9]



$C_{19}H_{28}Cl_2N_2O_3S$ M 435.408

(±)-form

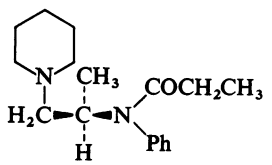
Antineoplastic agent. Mp 46-49°.

Golubeva, N.E. *et al*, *CA*, 1958, **52**, 14537 (*synth*)
Larionov, L.F., *Cancer Res.*, 1961, **21**, 99 (*props*)

Phenampromide, BAN, INN **P-00143**

N-[1-Methyl-2-(1-piperidinyl)ethyl]-N-phenylpropanamide, 9CI. N-(1-Methyl-2-piperidinoethyl)-propionanilide, 8CI. Fenampromide. NIH 7602

[129-83-9]



(R)-form Absolute configuration

$C_{17}H_{26}N_2O$ M 274.405

▷UE5410000.

(R)-form

Pharmacologically active form. Narcotic analgesic.

B,HCl: Mp 202-203°. $[\alpha]_D^{25}$ −18.9° (c, 2 in H_2O).

(S)-form

B,HCl: Mp 202-203°. $[\alpha]_D^{25}$ +18.9° (c, 2 in H_2O).

(±)-form

Analgesic. $Bp_{0.2}$ 124-128°.

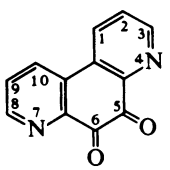
B,HCl: Mp 201-202°.

Wright, W.B. *et al*, *J. Org. Chem.*, 1961, **26**, 476 (*synth, pharmacol*)
Portoghese, P.S., *J. Med. Chem.*, 1965, **8**, 147 (*abs config, synth*)

4,7-Phenanthroline-5,6-dione, 9CI **P-00144**

Phanquone, BAN. *Phanquinone, INN. Entobex. Entronon. Ciba 11925*

[84-12-8]



$C_{12}H_6N_2O_2$ M 210.192

Amoebicidal drug. Cryst. (MeOH). Mp 295°.

▷SF8423000.

Monoxime:
$C_{12}H_7N_3O_2$ M 225.206
Yellow cryst. (MeOH). Mp 250° dec.

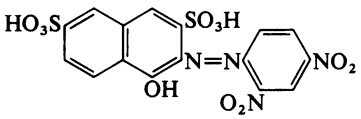
Monosemicarbazone: Cryst. Mp 176° dec.

Druey, J. *et al*, *Helv. Chim. Acta*, 1950, **33**, 1080 (*synth*)
B.P., 688 802, (*1954*); *CA*, **48**, 4009 (*synth, use*)
Kradolfer, F. *et al*, *Antibiotics and Chemother.*, 1958, **8**, 297 (*pharmacol*)
Ger. Pat., 1 232 156, (*1967*); *CA*, **66**, 115700 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4795.

Phenaphthazine, INN P-00145

3-[(2,4-Dinitrophenyl)azo]-4-hydroxy-2,7-naphthalenedisulfonic acid, 9CI. Nitrazine yellow. Nitrazol yellow

[1716-22-9]



$C_{16}H_{10}N_4O_{11}S_2$ M 498.395

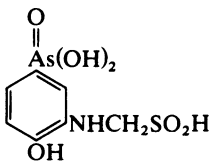
pH indicator for range 5.5-8, biological stain, diagnostic aid. Brown powder. Sol. H_2O. Also used as disodium salt.

Metzger, H. *et al*, *Arch. Biochem. Biophys.*, 1963, **103**, 206 (*uv*)

Phenarsone sulfoxylate, INN P-00146

*[5-Arsono-2-(hydroxyphenyl)amino]methanesulfinic acid, 9CI. 4-Hydroxy-*m*-arsanilic acid form aldehydesulfoxylate. Aldarsone*

[497-97-2]



$C_7H_{10}AsNO_6S$ M 311.141

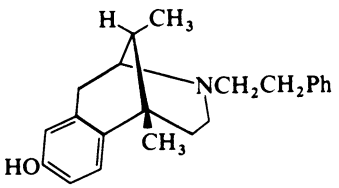
Di-Na salt: [535-51-3]. Antiamoebic agent.

U.S.P., 2 074 757, (*1937*); *CA*, **31**, 3214 (*synth, pharmacol*)

Phenazocine, BAN, INN P-00147

1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(2-phenethyl)-2,6-methano-3-benzazocin-8-ol, 9CI. 2'-Hydroxy-5,9-dimethyl-2-phenethylbenzomorphan. Phenobenzorphan

[127-35-5]



$C_{22}H_{27}NO$ M 321.461

Narcotic analgesic, antipyretic. Rods (MeOH). Mp 181-182°.

▷PB8890000.

B,HBr: [1239-04-9]. *Narcidine. Narphen. Prinadol. Xenagol. NIH 7519. SKF 6574.* Rods (Me_2CO). Mp 167-171°.

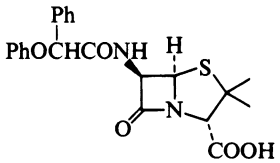
▷PB8900000.

May, E.L. *et al*, *J. Org. Chem.*, 1959, **24**, 1435 (*synth, pharmacol*)
Ager, J.H. *et al*, *J. Org. Chem.*, 1960, **25**, 984 (*synth*)
Gordon, M. *et al*, *J. Med. Chem.*, 1962, **5**, 633 (*synth, pharmacol*)
Houde, R.W. *et al*, *J. Pharmacol. Exp. Ther.*, 1964, **144**, 337 (*pharmacol*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 658 (*ms*)
Kametani, T. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 313 (*synth*)
Gelders, Y.G. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 1141 (*cryst struct*)
Casy, A.F. *et al*, *Org. Magn. Reson.*, 1982, **20**, 254 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6256.

Phenbenicillin, BAN P-00148

6-(α-Phenoxy-α-phenylacetamido)penicillanic acid. α-Phenoxybenzylpenicillin. ***Fenbenicillin, INN****. Penspek*

[1926-48-3]



$C_{22}H_{22}N_2O_5S$ M 426.486

Penicillin. Synthetic. Shows broad spectrum antibacterial activity. Usually used as K salt.

K salt: [1177-30-6]. Powder. Mp 88-95°. Dec. at 120-125°.

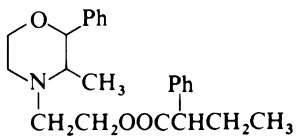
▷XH9320000.

Glombitza, K.W., *Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)
Strukov, I.T. *et al*, *Antibiotiki (Moscow)*, 1964, **9**, 3 (*synth, use*)
B.P., 999 791, (*1965*); *CA*, **63**, 16356 (*synth*)
Lynn, B., *Pharm. J.*, 1966, **196**, 91, 115 (*rev*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2281.

Phenbutrazate, BAN P-00149

α-Ethylbenzeneacetic acid 2-(3-methyl-2-phenyl-4-morpholinyl)ethyl ester, 9CI. 2-Phenylbutyric acid 2-(3-methyl-2-phenylmorpholino)ethyl ester, 8CI. ***Fenbutrazate, INN***

[4378-36-3]



$C_{23}H_{29}NO_3$ M 367.487

Anorexic drug. Central stimulant. Honey-coloured, viscous oil. Sol. MeOH. $Bp_{0.05}$ 235-240°.

▷ET5979000.

B,HCl: [6474-85-7]. *R 381.* Insol. Et_2O, C_6H_6, sol. EtOH, Me_2CO. Mp 154°.

▷ET5980000.

Hengen, O., *Arzneim.-Forsch.*, 1955, **5**, 526; 1957, **7**, 524 (*pharmacol*)
U.S.P., 3 018 222, (*1962*); *CA*, **58**, 6840e (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1485.

Phencarbamide, USAN P-00150

S-[2-(Diethylamino)ethyl] diphenylcarbamothioate, 9CI. S-[2-(Diethylamino)ethyl] diphenylthiocarbamate, 8CI. ***Fencarbamide, INN****. Diphencarbamide. Escorpal. Rispasulf. Bayer 1355. Wh 3363*

[3735-90-8]

$Ph_2NCOSCH_2CH_2NEt_2$

$C_{19}H_{24}N_2OS$ M 328.471

Antispasmodic and anticholinergic drug used during parturition. Cryst. Sol. MeOH, Et_2O, $CHCl_3$, ligroin, prac. insol. H_2O. Mp 48-49°. $Bp_{0.01}$ 120-126°.

▷FA4439000.

B,HCl: [58-13-9]. Cryst. (MeCOEt). Sol. H_2O. Mp 180-182°.

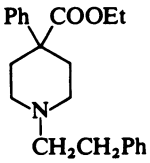
▷FA4440000.

Anon, *Angew. Chem., Int. Ed. Engl.*, 1964, **3**, 68 (*rev*)
Risse, K.H. *et al*, *CA*, 1964, **60**, 7939 (*synth*)
Wirth, W. *et al*, *Arch. Int. Pharmacodyn.*, 1964, **151**, 515 (*pharmacol*)
Madan, B.R. *et al*, *Arch. Int. Pharmacodyn.*, 1970, **185**, 53 (*pharmacol*)

Pheneridine, INN P-00151

Ethyl 1-(2-phenylethyl)-4-phenylpiperidine-4-carboxylate, 9CI. Ethyl 1-phenethyl-4-phenylisonicopecolate, 8CI

[469-80-7]



$C_{22}H_{27}NO_2$ M 337.461

Narcotic analgesic.

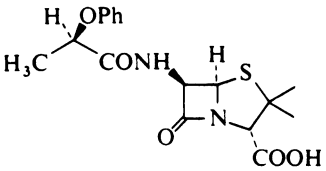
B,HCl: Mp 193-194.8°.

Elpern, B. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 1951 (*synth, pharmacol*)
U.S.P., 3 109 004, (*1963*); *CA*, **60**, 68296b (*synth, pharmacol*)

Phenethicillin, BAN P-00152

6-(α-Phenoxypropionamido)penicillanic acid. 1-(Phenoxyethyl)penicillin. Fenethicillin. ***Pheneticillin, INN.*** *Numerous proprietary names*

[147-55-7]



$C_{17}H_{20}N_2O_5S$ M 364.415

Semisynthetic penicillin. The stereochemical labels D and L refer to the configuration of the side-chain chiral centre. The D- and L-forms are thus diastereoisomers. Orally absorbed antibiotic active against gram-positive bacteria. pK_a 2.73 (25°, H_2O).

D-form [34378-72-8]

K salt: [20676-17-9]. Cryst. (butanol aq.). Mp 234.5-235°. $[\alpha]_D^{20}$ +252° (c, 1 in H_2O).

L-form [1914-69-8]

Epiphenethicillin

K salt: [7177-41-5]. Cryst. (butanol aq.). Mp 238-239°. $[\alpha]_D^{24}$ +218° (c, 0.01 in H_2O).

DL-form [147-55-7]

Commercially used form.

K salt: [132-93-4]. *Broxil. Syncillin. Chemipen. Maxipen.* Mp 234.5-235.5° dec. $[\alpha]_D^{20}$ +252° (c, 1.0 in H_2O).

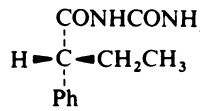
▷XH9350000.

Perron, Y. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3934 (*synth*)
Glombitza, K. *et al*, *Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)
Wilson, W.L. *et al*, *J. Pharm. Sci.*, 1977, **66**, 1079 (*pmr, cmr, isom*)
Salto, F. *et al*, *J. Chromatogr.*, 1978, **161**, 379 (*sepn*)
Voldeng, A.N. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 621 (*synth*)
Barber, M. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 11 (*ms*)
Bird, A.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Overbosch, D. *et al*, *Br. J. Clin. Pharmacol.*, 1985, **19**, 657 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4415.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 129.

Pheneturide, BAN, INN P-00153

N-(Aminocarbonyl)-α-ethylbenzeneacetamide, 9CI. 2-(Phenylbutyryl)urea, 8CI. Ethylphenacemide. Benuride. Deturid. Septotence. Trinuride. M 551. S 46

[90-49-3]



(R)-form Absolute configuration

$C_{11}H_{14}N_2O_2$ M 206.244

Anticonvulsant; antiparkinsonian drug. Enantiomers have similar level of pharmacol. activity but slightly differing pharmacol. props.

▷YU1225000.

(R)-form [6192-36-5]

Cryst. (EtOH). Mp 162-163°. $[\alpha]_D^{30}$ −51.6° (c, 1.0 in EtOH).

(S)-form [6509-32-6]

Needles (EtOH). Mp 168-169°. $[\alpha]_D^{17}$ +54.0° (c, 1.0 in EtOH).

(±)-form [6509-31-5]

Needles (EtOH). Mp 149-150°.

Gold-Aubert, P., *Helv. Chim. Acta*, 1958, **41**, 1512 (*synth*)
Frommel, E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1959, **122**, 15 (*pharmacol*)
Glasson, B. *et al*, *Therapie*, 1960, **15**, 368 (*metab*)
Taylor, J.D. *et al*, *J. Org. Chem.*, 1973, **38**, 1236 (*synth*)
Toseland, P.A. *et al*, *Clin. Chem.*, 1975, **21**, 98 (*glc*)
Akteries, B. *et al*, *Chem. Ber.*, 1986, **119**, 669 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6617.

Phenformin, BAN, INN P-00154

N-(2-Phenylethyl)imidodicarbonimidic diamide, 9CI. 1-Phenethylbiguanide, 8CI. Fenformin. Numerous proprietary names

[114-86-3]

$$Ph(CH_2)_2NHC(=NH)NHC(=NH)NH_2$$

$C_{10}H_{15}N_5$ M 205.262

Antidiabetic agent.

▷DU2100000.

B,HCl: [834-28-6]. *Dibotin. Meltrol.* Sol. H_2O. Mp 175-178°.

▷DU2200000.

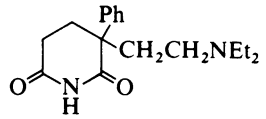
Shapiro, S.L. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 2220 (*synth*)
Matin, S.B. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 320 (*ms*)
Czyzyk, A., *Med. Welt*, 1975, **26**, 1928 (*pharmacol*)
Moody, J.E., *Anal. Profiles Drug Subst.*, 1975, **4**, 319 (*rev*)

Herrnstadt, C. *et al, J. Chem. Soc., Perkin Trans. 2*, 1979, 735 (*cryst struct*)
Vicente-Pedros, F. *et al, J. Pharm. Sci.*, 1983, **72**, 565.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1694.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7232.

Phenglutarimide, BAN, INN P-00155

3-[2-(Diethylamino)ethyl]-3-phenyl-2,6-piperidinedione, *9CI*. *2-[2-(Diethylamino)ethyl]-2-phenylglutarimide*, *8CI*

[1156-05-4]



$C_{17}H_{24}N_2O_2$ M 288.389

▷MA4130000.

(±)-form

Antiparkinsonian drug. Anticholinergic. Cryst. (2-propanol). Mp 125-127°.

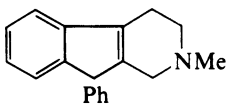
B,HCl: [1674-96-0]. *Aturbal. Aturbane. Ciba 10870.* Mp 176-177°.

Tagmann, E. *et al, Helv. Chim. Acta*, 1952, **35**, 1235; 1954, **37**, 185 (*synth*)
Douglas, J.S. *et al, Xenobiotica*, 1973, **3**, 605 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 403.

Phenindamine, BAN, INN P-00156

2,3,4,9-Tetrahydro-2-methyl-9-phenyl-1H-indeno[2,1-c]pyridine, *9CI*, *8CI*

[82-88-2]



$C_{19}H_{19}N$ M 261.366

Antihistamine, mostly used as tartrate. Mp 91°.

Hydrogen tartrate: [569-59-5]. *Nolahist. Pernovin. Teforin. Thephorin. Nu 1504. PM 254.* Mp 165-167°.

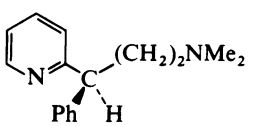
▷NK9460000.

Plati, J.T. *et al, J. Org. Chem.*, 1960, **25**, 1130 (*synth*)
McKeon, W.B., *Arch. Int. Pharmacodyn.*, 1963, **141**, 565 (*pharmacol*)
Saferstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6153.

Pheniramine, BAN, INN P-00157

N,N-*Dimethyl-γ-phenyl-2-pyridinepropanamine*, *9CI*. *3-Dimethylamino-1-phenyl-1-2′-pyridylpropane. Feniramine. Histapyridamine. Propheniramine. Pyriton*

[86-21-5]



(*S*)-*form* Absolute configuration

$C_{16}H_{20}N_2$ M 240.347

▷US9625000.

(*S*)-form

The more physiol. act. enantiomer. Oil. $Bp_{0.4}$ 116-117°. $[\alpha]_D^{29}$ +37° (c, 9.54 in EtOH).

B,HBr: Mp 176-177°. $[\alpha]_D$ +31° (c, 2.04 in H_2O).

(±)-form

Antihistamine. Oil. Bp_1 127-129°.

Dipicrate: Mp 203-204°.

Maleate (1:1): [132-20-7]. *Daneral SA. Numerous proprietary names.* Constit. of muflin.

▷UT0175000.

p-*Aminosalicylate (1:1):* [3269-83-8]. *Avil. Other proprietary names.* Small needles (Me_2CO/EtOAc). Dec. at 142°.

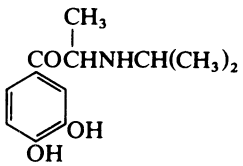
▷US9700000.

Lindner, E., *Naunyn-Schmiedeberg's Arch. Exptl. Pharmacol.*, 1950, **211**, 328 (*pharmacol*)
Sperber, N. *et al, J. Am. Chem. Soc.*, 1951, **73**, 5752 (*synth, pharmacol*)
Shafiee, A. *et al, J. Med. Chem.*, 1969, **12**, 266.
James, M.N.G. *et al, Can. J. Chem.*, 1974, **52**, 1872 (*abs config*)
Witte, P.U. *et al, Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1985, **23**, 59 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4040 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6154.

Phenisonone P-00158

1-(3,4-Dihydroxyphenyl)-2-[(1-methylethyl)amino]-1-propanone, *9CI*. *3′,4′-Dihydroxy-2-isopropylaminopropiophenone*, *8CI*

[28227-96-5]



$C_{12}H_{17}NO_3$ M 223.271

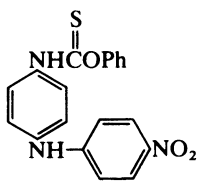
B,HBr: [530-10-9]. *Bronchodilator 1313. Dapanone.* Mp 141-143°.

Belg. Pat., 611 502, (*1961*); *CA*, **57**, 13678i (*synth, pharmacol*)
Grenfeld, C. *et al, Mol. Pharmacol.*, 1974, **10**, 605 (*pharmacol*)
U.S.P., 3 904 671, (*1975*); *CA*, **84**, 16943e (*synth, pharmacol*)

Phenithionate P-00159

[*4-[(4-Nitrophenyl)amino]phenyl]carbamothioic acid* O-*phenyl ester*, *9CI*

[83538-74-3]



$C_{19}H_{15}N_3O_3S$ M 365.406

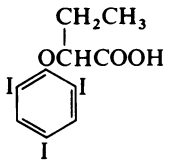
Antischistosomal agent.

Quan, Y. *et al, CA*, 1982, **92**, 192758; 1983, **98**, 126028; 1986, **104**, 199516 (*synth, pharmacol*)

Phenobutiodil, BAN, INN P-00160

2-(2,4,6-Triiodophenoxy)butanoic acid, 9CI. 2-(2,4,6-Triiodophenoxy)butyric acid, 8CI. Baygnostil. Biliodyl. Cholognost. Felotrast. Trijobil. Vesipaque. TH 4114

[554-24-5]



$C_{10}H_9I_3O_3$ M 557.893

▷ET6750000.

(±)-*form*

Diagnostic aid in contrast radiology. Cryst. (Et_2O/pet. ether). Mp 124-125°.

Redel, J. *et al*, *Bull. Soc. Chim. Fr.*, 1954, 342 (*synth*)
Bekker, H. *et al*, *Pharmazie*, 1963, **18**, 642 (*pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1581.

Phenol P-00161

Hydroxybenzene. Carbolic acid

[108-95-2]

PhOH

C_6H_6O M 94.113

Disinfectant. Used in manuf. of phenol-formaldehyde resins, bisphenol *A*, nylon intermediates and alkylphenols. Deliquescent needles. Mp 43°, Fp 41°. Bp 182°, Bp_{25} 90.2°. pK_a 9.89. Steam-volatile. Also used as sodium salt (Phenolate sodium, USAN).

▷Highly toxic by skin contact, causes burns, TLV 19. Salts are irritant. SJ3325000.

Picrate: Mp 83.1°.

Phenylurethane: [38064-07-2]. *Phenylcarbamic acid hydroxyphenyl ester, 9CI.*
$C_{13}H_{11}NO_4$ M 213.235
Needles (C_6H_6). Mp 126°.

Sulfite: [4773-12-0]. Bp_{15} 185°, $Bp_{0.7}$ 143°.

Hydrogen sulphate: [937-34-8]. *Sulfuric acid monophenyl ester, 9CI.*
$C_6H_6O_4S$ M 174.171
Urinary metab. of phenol in man and animals. Very unstable.

Ac: [122-79-2]. *Phenyl acetate.*
$C_8H_8O_2$ M 136.150
Liq. Spar. sol. H_2O. d_{15}^{15} 1.081. Bp 195.7°. n_D^{25} 1.5017.
▷AJ2800000.

Benzoyl: [93-99-2]. *Phenyl benzoate.*
$C_{13}H_{10}O_2$ M 198.221
Prisms. Mp 71°. Bp 314°, 299°.
▷DH6299500.

Formyl: [1864-94-4].
$C_7H_6O_2$ M 122.123
Liq. d^0 1.088. Bp 173° sl. dec., Bp_{25} 107°.

Allyl ether: [1746-13-0]. *2-Propenyloxybenzene, 9CI. Allyl phenyl ether.*
$C_9H_{10}O$ M 134.177
Liq. with geranium odour. d_{15}^{15} 0.986. Bp 192-195°. Steam-volatile.
▷DA8575000.

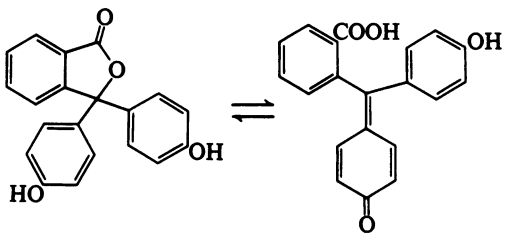
Isopropyl ether: [2741-16-4]. *Isopropyl phenyl ether. 2-Phenoxypropane.*
$C_9H_{12}O$ M 136.193
Bp 178°.

Kueding, W.W. *et al*, *J. Org. Chem.*, 1965, **30**, 3756 (*synth*)
Aldrich Library of NMR Spectra, 1974, **4**, 96A, 109A (*pmr*)
Aldrich Library of IR Spectra, 2nd Ed., 1975, 564C, 1310F (*ir*)
Adams, J.M. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 1345 (*cryst struct, deriv*)
Houben-Weyl, *Methoden der Organischen Chemie, 4th Ed., Phenol*, Vol. I, 1976 (*bibl*)
Thurman, C., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 181, 373 (*rev*)
Hugo, W.B., *Cosmet. Sci. Technol. Ser.*, 1984, **1**, 109 (*rev, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2267.
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 828, 1102.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 584.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 436.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2163.

Phenolphthalein, INN P-00162

3,3-Bis(4-hydroxyphenyl)-1(3H)-isobenzofuranone, 9CI. 3,3-Bis(4-hydroxyphenyl)phthalide. α,4,4'-Trihydroxytriphenylmethane-2-carboxylic acid lactone. Dihydroxyphthalophenone. Numerous proprietary names

[77-09-8]



$C_{20}H_{14}O_4$ M 318.328

Laxative, indicator. Mp 258-262°.

▷SM8380000.

Mono-Me ether: [42138-12-5].
$C_{21}H_{16}O_4$ M 332.355
Needles (C_6H_6). Mp 80°, 140.5-142.2°, 198-199°.

Di-Me ether: [6315-80-6].
$C_{22}H_{18}O_4$ M 346.382
Cryst. (MeOH or EtOH). Mp 100.5-101.1°.

Di-Ac: [5449-84-3].
$C_{24}H_{18}O_6$ M 402.403
Cryst. (EtOH). Mp 146.5-147.3°.

Oxime:
$C_{20}H_{15}NO_4$ M 333.343
Mp 216°.

Me ester (open-chain form):
$C_{21}H_{16}O_4$ M 332.355
Orange-red needles. Mp 127-130°.

Et ester, Et ether (open-chain form):
$C_{24}H_{22}O_4$ M 374.435
Yellow cryst. Mp 98-104°.

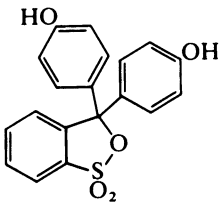
Baeyer, A., *Justus Liebigs Ann. Chem.*, 1880, **202**, 69 (*synth*)
Underwood, H.W. *et al*, *J. Am. Chem. Soc.*, 1930, **52**, 4084.
Blicke, F.F. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 332.
Hubacher, M.H. *et al*, *J. Am. Pharm. Assoc.*, 1953, **42**, 23.
Davies, M. *et al*, *J. Chem. Soc.*, 1954, 120 (*ir*)
Ziegler, E. *et al*, *Monatsh. Chem.*, 1969, **100**, 1604 (*pmr*)
Rousselet, R., *J. Pharm. Belg.*, 1971, **26**, 568 (*ir, tlc*)
Houben-Weyl, *Methoden der Organischen Chemie, 4th Ed.* (*Wedemeyer, K.F., Ed.*), 1976, 1093

Berger, S., *Tetrahedron*, 1981, **37**, 1607 (*cmr, tautom*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5553 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7522.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 898.

Phenolsulfonphthalein, USAN **P-00163**

4,4'-(3H-2,1-Benzoxathiol-3-ylidene)bisphenol S,S-dioxide, 8CI. 3,3'-Bis(4-hydroxyphenyl)-3H-2,1-benzoxathiole 1,1-dioxide. Fenolipuna. Sulfonphthal. Sulphental

[143-74-8]



$C_{19}H_{14}O_5S$ M 354.377

Diagnostic aid for renal function determination. Bright-red cryst. Insol. $CHCl_3$, Et_2O. pK_a 7.9.

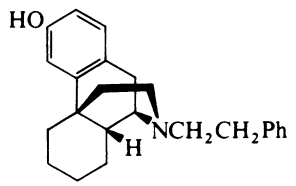
▷SJ7490000.

Orndorff, W.R. *et al, J. Am. Chem. Soc.*, 1923, **45**, 486 (*synth*)
Gault, M.H., *J. Am. Med. Assoc.*, 1967, **200**, 871 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2145.

Phenomorphan, BAN, INN **P-00164**

N-(2-Phenylethyl)morphinan-3-ol, 9CI. NIH 7274

[468-07-5]



Relative configuration

$C_{24}H_{29}NO$ M 347.499

▷QD1980000.

(−)-form

Narcotic analgesic. Mp 243-245°. Scheduled narcotic.

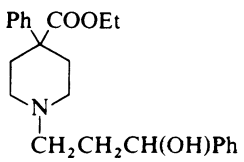
B,HBr: Mp 300-301°. $[\alpha]_D^{20}$ −63.2° (c, 3.27 in EtOH).

Grüssner, A. *et al, Helv. Chim. Acta*, 1957, **40**, 1232 (*synth*)
Fraser, H.F. *et al, Bull. Narc.*, 1962, **14**, 25 (*pharmacol*)

Phenoperidine, BAN, INN **P-00165**

1-(3-Hydroxy-3-phenylpropyl)-4-phenyl-4-piperidinecarboxylic acid ethyl ester, 9CI. 1-(3-Hydroxy-3-phenylpropyl)-4-phenylisonipecotic acid ethyl ester, 8CI. Fenoperidine. Lealgin. NIH 7591. R 1406. SC 9369

[562-26-5]



$C_{23}H_{29}NO_3$ M 367.487

(±)-form

Narcotic analgesic.

B,HCl: [3627-49-4]. *Operidine.* Cryst. (EtOAc/MeOH). Mp 200-202° (188-189°).

▷TM5775000.

Ac; B,HCl:

$C_{25}H_{31}NO_4$ M 409.524

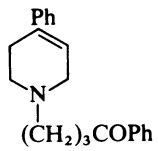
Cryst. (EtOAc/MeOH). Mp 202-203°.

U.S.P., 2 951 080, (*1960*); *CA*, **55**, 4540c (*synth*)
Janssen, P.A.J. *et al, J. Med. Chem.*, 1960, **2**, 31 (*synth, pharmacol*)
Roquebert, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1967, **167**, 297 (*pharmacol*)
Humblet, C. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 1389 (*cryst struct*)
De Castro, J. *et al, Acta Anaesthesiol. Belg.*, 1979, **30**, 5 (*rev, pharmacol*)
Milne, L. *et al, Br. J. Anaesth.*, 1980, **52**, 537 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6257.

Phenoperidone **P-00166**

4-(3,6-Dihydro-4-phenyl-1(2H)-pyridinyl)-1-phenyl-1-butanone, 9CI. 4-(1,2,3,6-Tetrahydro-4-phenyl-1-pyridyl)butyrophenone, 8CI. Trabuton. R 1516

[5061-32-5]



$C_{21}H_{23}NO$ M 305.419

Neuroleptic agent.

B,HCl: [14777-22-1]. Mp 195-196.2°.

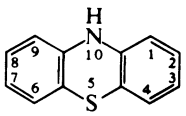
▷EU5250000.

B.P., 881 894, (*1961*); *CA*, **57**, 2146h (*synth*)
Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1961, **11**, 1037; 1966, **16**, 339 (*pharmacol*)

Phenothiazine, INN, 9CI, 8CI **P-00167**

Thiodiphenylamine. Numerous proprietary names

[92-84-2]



$C_{12}H_9NS$ M 199.270

Has antibacterial, anthelmintic props. Used as antioxidant. Yellow plates (EtOH) or yellow cryst. by subl. Mp 182°. Bp 371°, Bp_{40} 290°.

▷SN5075000.

N-Ac: [1628-29-1].

$C_{14}H_{11}NOS$ M 241.307

Prisms (EtOH). Mp 197-197.5°.

Massie, S.P., *Chem. Rev.*, 1954, **54**, 797 (*rev*)
Warren, R.J. *et al, J. Pharm. Sci.*, 1966, **55**, 144 (*ir, uv*)
Azzaro, M., *Bull. Soc. Chim. Fr.*, 1967, 1977 (*pmr*)
Bodea, C. *et al, Adv. Heterocycl. Chem.*, 1968, **9**, 321 (*rev*)
Gilbert, J.N., *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
McDowell, J.J.H., *Acta Crystallogr., Sect. B*, 1976, **32**, 5; 1977, **33**, 314 (*cryst struct*)
Borbely, A.A. *et al, Mod. Pharmacol.-Toxicol.*, 1979, **16**, 403 (*rev, pharmacol*)

Mitchell, S.C., *Drug Metab. Rev.*, 1982, **13**, 319 (*rev, metab*)
Saraf, S. *et al*, *Heterocycles*, 1982, **19**, 935 (*uv*)
Hallberg, A. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 841 (*ms*)
Jovanovic, M.V. *et al*, *Org. Magn. Reson.*, 1984, **22**, 491 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2211.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 798.

10*H*-Phenothiazine-2-acetic acid, 9CI P-00168

[20965-69-9]

$C_{14}H_{11}NO_2S$ M 257.306

Cryst. (EtOH). Mp 156-157°.

Me ester: [25238-71-5].

$C_{15}H_{13}NO_2S$ M 271.333

Small light-yellow cryst. (MeOH). Mp 106-108°.

N-*Me: 10-Methyl-10H-phenothiazine-2-acetic acid, 9CI.* ***Metiazinic acid, INN.*** *RP 16091.*

$C_{15}H_{13}NO_2S$ M 271.333

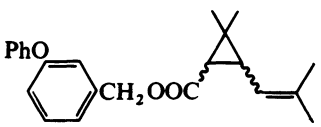
Antiinflammatory, analgesic, antirheumatic. Mp 146°.

Massie, S.P. *et al*, *J. Org. Chem.*, 1956, **21**, 1006 (*synth*)
Julou, L. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1193, 1198, 1207, 1214 (*Metiazinic acid*)
Juby, P.F. *et al*, *Annu. Rep. Med. Chem.*, 1972, **7**, 208 (*Metiazinic acid, rev*)
Kitagawa, H. *et al*, *Jpn. J. Pharmacol.*, 1975, **25**, 1 (*Metiazinic acid*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2669.

Phenothrin, BSI, BAN, INN, JAN P-00169

(3-Phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate, 9CI. 3-Phenoxybenzyl chrysanthemate. Sumithrin. S 2539

[26002-80-2]



$C_{23}H_{26}O_3$ M 350.457

The most freq. encountered coml. prod. is a mixt. of 80% *cis*- and 20% *trans*-isomers and is known as d-Phenothrin. Public health insecticide, pediculicide. Liq. V. spar. sol. H_2O, misc. most org. solvs. d_{25}^{25} 1.061. n_D^{25} 1.5482. Physical data given refer to d-Phenothrin.

B.P., 1 243 858, (*1968*); *CA*, **72**, 66647j
Fujimoto, K. *et al*, *Agric. Biol. Chem*, 1973, **37**, 2681 (*pharmacol, isom*)
Nakazawa, H. *et al*, *Agric. Biol. Chem*, 1980, **44**, 1173 (*cmr*)
Pesticide Manual, 6th Ed., 414.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3602.

Phenoxybenzamine, BAN, INN P-00170

N-(*2-Chloroethyl*)-N-(*1-methyl-2-phenoxyethyl*)-*benzenemethanamine, 9CI.* N-(*2-Chloroethyl*)-N-(*1-methyl-2-phenoxyethyl*)*benzylamine, 8CI. Bensylyt. Blocadren. Dibenyline. Dibenzyline. Dibenzyran. SKF 688A*

[59-96-1]

$PhOCH_2CH(CH_3)N(CH_2Ph)CH_2CH_2Cl$

$C_{18}H_{22}ClNO$ M 303.831

Antiadrenergic, antihypertensive agent. Cryst. (pet. ether). Sol. C_6H_6. Mp 38-40°.

▷DP3500000.

B,HCl: [63-92-3]. *Phenoxybenzamine hydrochloride, USAN.* Cryst. ($EtOH/Et_2O$). Mp 137.5-140°.

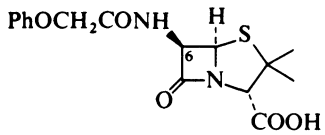
▷DP3750000.

Kerwin, J.F. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4162 (*synth*)
Lamdan, S. *et al*, *J. Med. Chem.*, 1966, **9**, 79 (*synth*)
Fowler, N.O. *et al*, *J. Clin. Invest.*, 1970, **49**, 2036 (*pharmacol*)
Singh, S.P. *et al*, *J. Pharm. Sci.*, 1979, **68**, 890 (*cmr*)
Benfey, B.G., *Trends Pharmacol. Sci.*, 1982, **3**, 470 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 892.

Phenoxymethylpenicillin, INN P-00171

6-(Phenyloxyacetamido)penicillanic acid. ***Penicillin V, USAN.*** *Acipen V. Apopen. Distaquaine V. Eskacillin V. Fenacillin. Fenospen. Fenoxypen. Meropenin. Oracillin. Oratren. Ospen. Pen-Vee. Stabicillin. V-Cillin. Vebecillin*

[87-08-1]



$C_{16}H_{18}N_2O_5S$ M 350.389

Semisynthetic penicillin. Prod. by feeding phenoxyacetic acid to *Penicillium chrysogenum* fermentation. Orally absorbed antibiotic active against gram-positive bacteria. Sol. H_2O. Mp 120-128° dec. pK_a 2.73 (25°, H_2O).

▷RY4025000.

K salt: [132-98-9]. *Penicillin V potassium, USAN. Arcacin. Beromycin. Ledercillin. Numerous proprietary names.* Sol. H_2O. $[\alpha]_D^{25}$ +223° (c, 0.2 in H_2O).

▷XH9275000.

Ca salt: [147-48-8]. *Bantogen. Septocillin.*

*6-Epimer: 6-*epi*-Penicillin V. 5,6-*trans*-Phenoxymethylpenicillinic acid.* Semisynthetic penicillin. No biol. activity.

6-Epimer, Me ester: Mp 151-152°.

S-*Oxide (β-):*

$C_{16}H_{18}N_2O_6S$ M 366.388

Readily obt. by direct oxidn. with H_2O_2. Mp 156-157°. Retains water, Mp can be raised to 177-178° by careful drying.

Cpd. with N,N′-*Bis(phenylmethyl)-1,2-ethanediamine(2:1):* [5928-84-7]. *Penicillin V benzathine, USAN.*

Cpd. with hydrabamine (2:1): [6591-72-6]. *Penicillin V hydrabamine, USAN.*

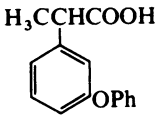
Brandl, E. *et al*, *Wien. Med. Wochenschr.*, 1953, 602 (*manuf*)
Sheehan, J. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 1262; 1959, **81**, 3089; 1962, **84**, 2983 (*synth*)
Glombitza, K., *Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)
Bose, A. *et al*, *J. Am. Chem. Soc.*, 1968, **70**, 4506 (*epimer*)
Dunham, J.M., *Anal. Profiles Drug Subst.*, 1972, **1**, 249 (*rev*)
Chang, C.-J. *et al*, *J. Pharm. Sci.*, 1979, **68**, 64 (*cmr*)
Voldeng, A.N. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 621 (*synth*)
Jensen, E.B. *et al*, *Euro. J. Appl. Microbiol. Biotechnol.*, 1981, **13**, 29 (*manuf*)
Josefsson, K. *et al*, *Chemotherapy (Basel)*, 1982, **28**, 241 (*metab*)
Davis, M. *et al*, *Aust. J. Chem.*, 1986, **39**, 1165 (*oxide*)
Sieh, D.H., *Anal. Profiles Drug Subst.*, 1988, **17**, 677 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 130, 131, 132.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3992 (*synonyms*)

2-(3-Phenoxyphenyl)propanoic acid P-00172

α-Methyl-3-phenoxybenzeneacetic acid, *9CI*. m-*Phenoxyhydratropic acid*, *8CI*. **Fenoprofen**, *BAN, USAN, INN*. *Lilly 53858*

[29679-58-1]



$C_{15}H_{14}O_3$ M 242.274

(±)-form [31879-05-7]

Antiinflammatory, analgesic. Viscous oil. $Bp_{0.11}$ 168-171°. pK_a 7.3. n_D^{25} 1.5742.

Ca salt: Fenoprofen calcium, *USAN, JAN*. *Fenoprex. Fenopron. Fepron. Nalgesic. Nalfon. Progesic. Lilly 69323.*

Fr. Pat., 2 015 718, (*1970*); *CA*, **75**, 48707 (*synth, pharmacol*)
Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*props, pharmacol*)
Brogden, R.N. *et al*, *Drugs*, 1977, **13**, 241 (*rev, pharmacol*)
Nickander, R. *et al*, *Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 183 (*rev, pharmacol*)
Ward, C.K. *et al*, *Anal. Profiles Drug Subst.*, 1977, **6**, 161 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2649.

(3-Phenoxypropyl)guanidine, 8CI P-00173

Guanoxyfen, INN

[13050-83-4]

$PhOCH_2CH_2CH_2NHC(NH_2)=NH$

$C_{10}H_{15}N_3O$ M 193.248

Antidepressant, antihypertensive drug. Mp 82°.

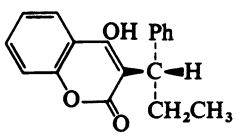
2B,H₂SO₄: [1021-11-0]. *Guanoxyfen sulfate*, *USAN*. *CI 515. CN 34799-5A. EA 166. HP 1598.* Mp 145-146°.

Belg. Pat., 612 362, (*1962*); *CA*, **57**, 16626e (*synth*)
Chen, G. *et al*, *J. Pharmacol. Exp. Ther.*, 1964, **143**, 374 (*pharmacol*)

Phenprocoumon, BAN, USAN, INN P-00174

4-Hydroxy-3-(1-phenylpropyl)-2H-1-benzopyran-2-one, *9CI*. *3-(α-Ethylbenzyl)-4-hydroxycoumarin*, *8CI*. *Falithrom. Fencumar. Liquamar. Marcoumar. Marcumar. Ro 1-4849*

[435-97-2]



(*S*)-*form*

$C_{18}H_{16}O_3$ M 280.323

(*R*)-form [5999-27-9]

Mp 170-170.5°. $[\alpha]_D^{27}$ +122.8° (c, 2 in EtOH).

(*S*)-form [3770-63-6]

Mp 170-171°. $[\alpha]_D^{28}$ −122.6° (c, 2 in EtOH).

(±)-form [5999-41-7]

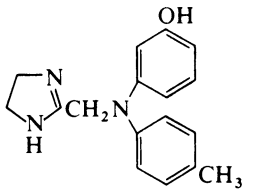
Anticoagulant. Prisms (MeOH aq.). Mp 179-180°.

West, B.D. *et al*, *J. Heterocycl. Chem.*, 1965, **2**, 93 (*resoln, abs config*)
Bourgain, R.H. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1972, **195**, 204 (*pharmacol*)
Giannini, D.D. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1974, **71**, 4221 (*pmr*)
Pohl, L.R. *et al*, *J. Med. Chem.*, 1975, **18**, 513 (*synth, uv, ms*)
Porter, W.R., *Diss. Abstr. Int. B*, 1976, **37**, 2264 (*synth, struct*)
Valente, E.J. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 277 (*cryst struct*)
Chan, K.K. *et al*, *Tetrahedron*, 1977, **33**, 899 (*cmr*)
Toon, S. *et al*, *J. Pharm. Sci.*, 1985, **74**, 1037 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4819.

Phentolamine, BAN, INN P-00175

3-[[4,5-Dihydro-1H-imidazol-2-yl)methyl](4-methylphenyl)amino]phenol, *9CI*. m-[N-(*2-Imidazolin-2-ylmethyl*)-p-*toluidino*]*phenol*, *8CI*. *2-*[N-(m-*Hydroxyphenyl*)-p-*toluidinomethyl*]*imidazoline. Fentolamine. Dibasin. Regitine. Rogitine. C 7337*

[50-60-2]



$C_{17}H_{19}N_3O$ M 281.357

Antiadrenergic, freq. employed as hydrochloride or mesylate. Mp 174-175°.

▷SL0700000.

B,HCl: [73-05-2]. Insol. Me_2CO. Mp 239-240°.
B,MeSO₃H: [65-28-1]. *Phentolamine mesylate*, *USAN*. Mp 177-181°.

▷SL5430000.

Marxer, A., *J. Am. Chem. Soc.*, 1957, **79**, 467 (*synth*)
Takayanagi, I., *Arzneim.-Forsch.*, 1964, **14**, 694 (*pharmacol*)
Singh, S.P. *et al*, *J. Pharm. Sci.*, 1979, **68**, 890 (*cmr*)
Léger, J.M. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1430 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 893, 894.

(Phenylacetyl)urea, 8CI P-00176

N-(*Aminocarbonyl*)*benzeneacetamide*, *9CI*. **Phenacemide**, *BAN, INN*. *Phenurone. Other proprietary names*

[63-98-9]

$PhCH_2CONHCONH_2$

$C_9H_{10}N_2O_2$ M 178.190

Anticonvulsant. Cryst. (EtOH). Mp 212-216°.

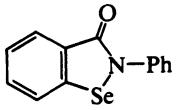
▷YU0875000.

Spielman, M.A. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 4189 (*synth, pharmacol*)
Everett, G.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1952, **106**, 303 (*pharmacol*)
Semikolennykh, L.M. *et al*, *Med. Prom. SSSR*, 1965, **19**, 15 (*synth*)
Jose, C.I. *et al*, *Indian J. Chem.*, 1969, **7**, 594 (*ir*)
Paalzow, L., *Acta Farm. Suec.*, 1969, **6**, 177 (*pharmacol*)
Locock, R.A. *et al*, *Org. Mass Spectrom.*, 1970, **3**, 735 (*ms*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Akteries, B. *et al*, *Chem. Ber.*, 1986, **119**, 669 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1168 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6616.

2-Phenyl-1,2-benzisoselenazol-3(2*H*)-one, 9CI **P-00178**

Ebselen, INN. *PZ 51*

[60940-34-3]

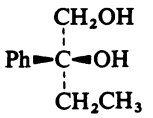


$C_{13}H_9NOSe$ M 274.180

Antiinflammatory, antioxidant. Used in treatment of liver disorders. Needles (EtOH). Mp 182-183° (179-180°).

Lesser, R. *et al*, *Ber.*, 1924, **57**, 1077 (*synth*)
Eur. Pat., 44 971, (*1982*); *CA*, **96**, 187324 (*pharmacol*)
Mueller, A. *et al*, *Biochem. Pharmacol.*, 1984, **33**, 3235 (*pharmacol*)
Kamigata, N. *et al*, *Bull. Chem. Soc. Jpn.*, 1986, **59**, 2179 (*synth*)
Sies, H. *et al*, *Am. Rev. Respir. Dis.*, 1987, **136**, 478 (*rev*)
Parnham, M.J. *et al*, *CA*, 1988, **108**, 68138, 68139 (*revs*)

2-Phenyl-1,2-butanediol, 9CI **P-00179**



(S)-form **Absolute configuration**

$C_{10}H_{14}O_2$ M 166.219

(S)-form [2404-42-4]

Bp_{18} 156.5°. $[\alpha]_D^{19}$ −11.4° (c, 7.4 in EtOH).

(±)-form

Cryst. (ligroin). Mp 56°. Bp_{23} 165°.

1-Carbamate: [50-19-1]. ***Hydroxyphenamate, USAN.*** *Oxyfenamate, INN. Listica. AL 0361. NSC 108034. P 301.*

$C_{11}H_{15}NO_3$ M 209.244

Minor tranquilliser. Mp 55-56.5°.

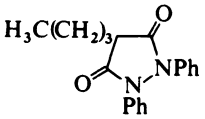
▷EK2450000.

Bossinger, C.D., *Diseases Nerv. System*, 1961, **22**, 7, 9 (*Hydroxyphenamate*)
U.S.P., 3 066 164, (*1962*); *CA*, **58**, 6745 (*Hydroxyphenamate*)
Mitsui, S. *et al*, *Chem. Ind. (London)*, 1964, 233 (*synth, abs config*)
Coutts, R.J., *J. Pharm. Sci.*, 1973, **62**, 769 (*ms, Hydroxyphenamate*)
Lynch, J.E. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 2943 (*synth, resoln, pmr, ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7053.

Phenylbutazone, BAN, INN, USAN **P-00180**

4-Butyl-1,2-diphenyl-3,5-pyrazolidinedione, 9CI, 8CI. *Numerous proprietary synonyms*

[50-33-9]



$C_{19}H_{20}N_2O_2$ M 308.379

Analgesic, antipyretic; antiinflammatory, esp. antirheumatic. Cryst. (EtOH). Mp 105.5-106.5°. Component of Clofezone, INN.

▷UQ8225000.

Piperazine salt (1:1): [4985-25-5]. *Pyrazinobutazone. Pyrasanone.* Melts at 140-141°, resolidifies and remelts at ca. 180°.

3-(3,4,5-Trimethoxybenzoyl): [16006-74-9]. ***Phenylbutazone trimethylgallate.*** *Certalgon. Ditrobutal. Ditrone. Megazone. LH 150.*

$C_{29}H_{30}N_2O_6$ M 502.566

Mp 115-116°.

Na salt, cpd. with glycerol (1:1): [34214-49-8]. *Phenbutazone sodium glycerate, USAN.*

Denss, R., *Experientia*, 1959, **15**, 95 (*synth*)
Mondelli, R. *et al*, *Gazz. Chim. Ital.*, 1965, **95**, 1371 (*pmr*)
Sala, J.M. *et al*, *Chim. Ther.*, 1967, **2**, 272 (*deriv*)
Cubeiro, J. *et al*, *Therapie*, 1972, **27**, 589 (*deriv*)
Locock, R.A. *et al*, *J. Pharm. Sci.*, 1974, **63**, 1896 (*ms*)
Davies, D.S., *J. Int. Med. Res.*, 1977, **5**(Suppl. 2), 15 (*rev, metab*)
Singh, T.P. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 693 (*cryst struct*)
Aabakke, J., *Clin. Pharmacokinet.*, 1978, **3**, 369 (*rev*)
Singh, S.P. *et al*, *J. Heterocycl. Chem.*, 1978, **15**, 13 (*cmr*)
Ali, S.L. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 483 (*rev*)
Goya, P. *et al*, *Magn. Reson. Chem.*, 1986, **24**, 444 (*N-15 nmr*)
Tobin, T. *et al*, *J. Vet. Pharmacol. Ther.*, 1986, **9**, 1 (*rev, pharmacol*)
Kaneniwa, N. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 1063, 1074 (*polymorphism*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5204.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2686, 2687, 2688.

***N*-(α-Phenylbutyryl)methionine** **P-00181**

N-(1-Oxo-2-phenylbutyl)methionine. Meburamide

[92702-71-1]

$PhCH(CH_2CH_3)CONHCH(COOH)CH_2CH_2SMe$

$C_{15}H_{21}NO_3S$ M 295.396

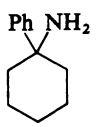
Used to treat liver disorders. Antihypertensive agent. Mp 129-130°.

Ger. Pat., 1 146 066, (*1963*); *CA*, **59**, 8871 (*synth, props*)
Spanish Pat., 524 265, (*1984*); *CA*, **104**, 19814 (*synth*)

1-Phenylcyclohexylamine, 8CI **P-00182**

1-Phenylcyclohexanamine, 9CI. *1-Amino-1-phenylcyclohexane*

[2201-24-3]



$C_{12}H_{17}N$ M 175.273

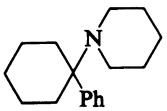
Mp ca. 80°. Bp_{11} 106-107°.
B,HCl: [1934-71-0]. Mp 247-248°.
N-*Et:* [2201-15-2]. ***Eticyclidine, INN.*** *Cyclohexamine. CI 400. CL 45.*
$C_{14}H_{21}N$ M 203.327
Local anaesthetic. $Bp_{0.3}$ 95°.
N-*Et; B,HCl:* [1867-64-7]. Mp 230°.

B.P., 853 775, (*1960*); *CA*, **55**, 13383 (*synth*)
Maddox, V.H. *et al*, *J. Med. Chem.*, 1965, **8**, 230 (*synth, pharmacol, deriv*)
Cantarelli, G. *et al*, *Farmaco, Ed. Sci.*, 1969, **24**, 123 (*pharmacol*)
Balderman, D. *et al*, *Synthesis*, 1978, 24 (*synth*)
Brine, G.A. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 1425 (*cmr*)

1-(1-Phenylcyclohexyl)piperidine, 9CI, 8CI P-00183

1-(1-Piperidyl)-1-phenylcyclohexane. ***Phencyclidine, BAN, INN.*** *Angel dust. PCP. CI 395. NSC 40902. Sernyl. HOG. DOA*

[77-10-1]



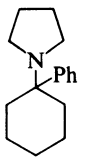
$C_{17}H_{25}N$ M 243.391
Anaesthetic, analgesic, drug of abuse. Mp 46-46.5°. Bp_1 135-137°.
▷Highly toxic orally. TN2272590.
B,HCl: [956-90-1]. *Phencyclidine hydrochloride, USAN. Sernyl. Sernylan.* Mp 243-244°.
▷TN2272600.
B,HBr: [2981-31-9]. Mp 214-218°.
▷TN2272597.

Maddox, V.H. *et al*, *J. Med. Chem.*, 1965, **8**, 230 (*synth, pharmacol*)
Kalir, A. *et al*, *J. Med. Chem.*, 1969, **12**, 413 (*synth*)
Argos, P. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 53 (*cryst struct*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 636 (*ms*)
Siek, T.J., *J. Forensic Chem.*, 1974, **19**, 193 (*uv*)
Geneste, P. *et al*, *Org. Magn. Reson.*, 1975, **7**, 579 (*nmr*)
Balster, R.L. *et al*, *Clin. Toxicol.*, 1976, **9**, 513 (*rev*)
Domino, E.F., Ed., *PCP* (*Phencyclidine*): Historical and Current Perspectives, NPP Books, Ann Arbor, Mich., 1981 (*book*)
Labianca, D.A., *J. Chem. Educ.*, 1981, **58**, 664 (*rev*)
Aniline, O. *et al*, *CRC Crit. Rev. Toxicol.*, 1982, **10**, 145 (*rev*)
Kamenka, J.M. *et al*, Eds., *Phencyclidine and Related Arylcyclohexylamines: Present and Future Applications*, NPP Books, Ann Arbor, Mich., 1983 (*book*)
Brine, G.A. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 71 (*cmr*)
Sun, Q. *et al*, *CA*, 1985, **102**, 6147 (*synth*)
Holsztynska, E.J. *et al*, *Drug Metab. Rev.*, 1986, **16**, 285 (*rev, metab*)
Singh, P. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1976 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13100.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 897.

1-(1-Phenylcyclohexyl)pyrrolidine, 9CI, 8CI P-00184

Rolicyclidine, INN

[2201-39-0]



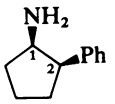
$C_{16}H_{23}N$ M 229.364
Local anaesthetic. $Bp_{0.7}$ 122-125°.
▷UY1780600.
B,HCl: [1934-48-1]. Mp 223°.

Japan. Pat., 19 087, (*1967*); *CA*, **69**, 10195f (*synth, pharmacol*)
Bailey, K. *et al*, *J. Assoc. Off. Anal. Chem.*, 1976, **59**, 81 (*synth, uv, ir, ms, glc, tlc*)

2-Phenylcyclopentylamine, 8CI P-00185

2-Phenylcyclopentanamine, 9CI. ***Cypenamine, BAN, INN***

[15301-54-9]



(*1R,2R*)-*form*

$C_{11}H_{15}N$ M 161.246
CNS stimulant, antidepressant.

(1R,2R)-form
(−)-cis-*form*
B,HCl: [102778-41-6]. Mp 184-185°. $[\alpha]_D$ −97.4°.

(1S,2S)-form
(+)-cis-*form*
B,HCl: [102778-42-7]. Mp 185-187°. $[\alpha]_D^{20}$ +97°.

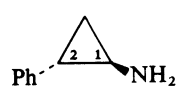
(1RS,2RS)-form [40264-04-8]
(±)-cis-*form*
Liq. $Bp_{0.7}$ 80-82°.
N-*Benzoyl:*
$C_{18}H_{19}NO$ M 265.354
Needles (H_2O). Mp 162-162.5° (154°).

(1RS,2SR)-form [6604-06-4]
(±)-*trans*-form
Liq. Bp_{750} 148°, $Bp_{0.8}$ 70-83°. n_D^{20} 1.4504.
B,HCl: Cryst. (MeOH/EtOAc). Mp 143.5-145°.
Benzoyl:
$C_{18}H_{19}NO$ M 265.354
Mp 151.5°.

Govindachari, T.R. *et al*, *J. Chem. Soc.*, 1956, 4280 (*synth*)
Kaiser, C. *et al*, *J. Med. Chem.*, 1962, **5**, 1243 (*synth*)
Rathke, M.W. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 2870 (*synth*)
McGrath, W.R. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **172**, 405 (*pharmacol*)
Wiehl, W. *et al*, *Chem. Ber.*, 1986, **119**, 2668 (*synth*)
Wiehl, W. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 83 (*cryst struct, abs config*)

2-Phenylcyclopropylamine P-00186

[54-97-7]



(*1R,2S*)-*form*
Absolute configuration

$C_9H_{11}N$ M 133.193
Cryst.

(*1R,2S*)-*form* [3721-26-4]
(−)-trans-*form*
Oil. $Bp_{0.9}$ 68-70°. $[\alpha]_D^{25}$ −115.8° (c, 1.13 in $CHCl_3$).
B,HCl: [37388-05-9]. Cryst. (2-propanol/Et_2O). Mp 180-181°. $[\alpha]_D^{25}$ −75.5° (c, 1 in H_2O).

(*1S,2R*)-*form* [3721-28-6]
(+)-trans-*form*
More potent than the (−)-form.
▷GZ2450000.
B,HCl: [4548-34-9]. Mp 181-182°. $[\alpha]_D^{25}$ +75.7°.

(*1RS,2SR*)-*form* [155-09-9]
(±)-trans-*form*. ***Tranylcypromine, BAN***
Potent monoamine oxidase inhibitor, antidepressant. Mp 44-45°. Bp_{32} 125-129°. $n_D^{27.5}$ 1.5560.
▷GZ2450100.
B,HCl: [1986-47-6]. Needles (MeOH/EtOAc/Et_2O). Mp 153.5-156.5° dec.
B,H_2SO_4: [13492-01-8]. *Tranylcypromine sulfate, USAN. Parnate. Parnitene. Transamin. Tylciprine. SKF 385.* Cryst.
▷GZ2625000.

(*1RS,2RS*)-*form* [24873-95-8]
(±)-cis-*form*
Oil. $Bp_{1.5\text{-}1.6}$ 79-80°.
B,HCl: [54779-58-7]. Cryst. (EtOAc/Et_2O). Mp 164-166° dec.

Burger, A. *et al, J. Am. Chem. Soc.*, 1948, **70**, 2198 (*synth*)
Weinstock, J., *J. Org. Chem.*, 1961, **26**, 3511 (*synth*)
Kaiser, C. *et al, J. Med. Chem.*, 1962, **5**, 1243 (*props, resoln*)
Ho, B.T. *et al, J. Pharm. Sci.*, 1972, **61**, 821 (*rev*)
Riley, T.N. *et al, J. Med. Chem.*, 1972, **15**, 1187 (*abs config*)
Subbotin, O.A. *et al, Org. Mass Spectrom.*, 1972, **4**, 53 (*cmr*)
Belanger, P.M., *Biomed. Mass Spectrom.*, 1979, **6**, 98 (*ms*)
Overberger, C.G. *et al, J. Polym. Sci. Polym. Chem.*, 1981, **19**, 311 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2537.

2-Phenylethanol P-00187

Benzeneethanol, 9CI. ***Phenethyl alcohol, 8CI, BAN.*** *Benzylcarbinol. β-Hydroxyethylbenzene. Phenylethyl alcohol, USAN*

[60-12-8]

$PhCH_2CH_2OH$

$C_8H_{10}O$ M 122.166
Found in essential oils, e.g. rose oil. Used in perfumery industry. Antimicrobial agent. d_4^{20} 1.020. Bp 221-222°, Bp_{10} 99.5°. n_D^{20} 1.5170.
▷Mod. toxic. SG7175000.

Ac:
$C_{10}H_{12}O_2$ M 164.204
Perfumery ingredient. Mp −31.1°. Bp 232°, Bp_{13} 118-120°.

Benzoyl: [94-47-3].
$C_{15}H_{14}O_2$ M 226.274
Bp_8 177-178°.
▷DH6288000.

Me ether: [3558-60-9]. *1-Methoxy-2-phenylethane. Methyl β-phenethyl ether.*
$C_9H_{12}O$ M 136.193
Isol. from oil of *Tagetes signata*. Liq. Bp 189-190°, Bp_{25} 100-105°.
▷KO2230000.

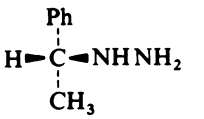
Et ether: [1817-90-9].
$C_{10}H_{14}O$ M 150.220
Bp 198-199°, Bp_7 85-87°.

Leonard, C.S., *J. Am. Chem. Soc.*, 1925, **47**, 1774 (*synth*)
Kland-English, M.J. *et al, J. Am. Chem. Soc.*, 1953, **75**, 3709 (*uv*)
Chopra, M.M. *et al, Perfum. Essent. Oil Record*, 1963, **54**, 238; *CA*, **59**, 3714 (*isol, deriv*)
Aldrich Library of IR Spectra, 520c (*ir*)
Aldrich Library of NMR Spectra, **5**, 20c (*pmr*)
Registry of Mass Spectral Data, Wiley-Interscience, 187 (*ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 897.

1-Phenylethylhydrazine, 9CI P-00188

(*α-Methylbenzyl*)*hydrazine, 8CI.* ***Mebanazine, BAN, INN.*** *Actomol*

[65-64-5]


(*R*)-*form* Absolute configuration

$C_8H_{12}N_2$ M 136.196
▷MV5650000.

(***R*)-*form*** [60325-13-5]
Bp_1 74°.

(***S*)-*form*** [24292-42-0]
$[\alpha]_D^{25}$ −16.57° (c, 2.902 in C_6H_6).

(±)-*form*
Monoamine oxidase inhibitor, antidepressant. Insol. H_2O, EtOH, Et_2O. d_{25} 0.967. $Bp_{0.65}$ 69°.

Overberger, C.G. *et al, J. Am. Chem. Soc.*, 1958, **80**, 6562 (*synth*)
Matthies, H. *et al, Acta Biol. Med. Ger.*, 1967, **19**, 447 (*pharmacol*)
Moss, R.A. *et al, J. Org. Chem.*, 1975, **40**, 1213 (*synth, abs config*)
Baumgarten, H.E. *et al, J. Org. Chem.*, 1976, **41**, 3805 (*synth*)

(2-Phenylethyl)hydrazine, 9CI P-00189

β-Hydrazinoethylbenzene. ***Phenelzine, BAN, INN.*** *Fenelzine*

[51-71-8]

$PhCH_2CH_2NHNH_2$

$C_8H_{12}N_2$ M 136.196
Antidepressant. Monoamine oxidase inhibitor. Oil. $Bp_{12\text{-}13}$ 137-139°, $Bp_{0.1}$ 74°.
▷Highly toxic, exp. carcinogen. MV8400000.

B,HCl: [5470-36-0]. Plates (EtOH). Mp 171°.
B,H_2SO_4: [156-51-4]. *Phenelzine sulfate, USAN. Nardil. Other proprietary names.*
▷MV8750000.

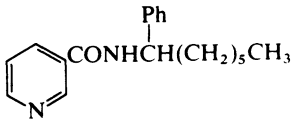
Dibenzoyl:
$C_{22}H_{20}N_2O_2$ M 344.412
Needles (EtOH aq.). Mp 144-145°.

Votoček, E. *et al, Collect. Czech. Chem. Commun.*, 1932, **4**, 271 (*synth*)
Biel, J.H. *et al, J. Am. Chem. Soc.*, 1959, **81**, 2805 (*synth*)
Chessin, M. *et al, Ann. N.Y. Acad. Sci.*, 1959, **80**, 597 (*pharmacol*)
Daly, R.E., *Anal. Profiles Drug Subst.*, 1973, **2**, 383 (*rev*)
Siek, T.J. *et al, J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Whitford, G.M., *Int. Pharmopsychiatry*, 1978, **13**, 126 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 963 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2533.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 897.

N-(1-Phenylheptyl)-3-pyridinecarboxamide P-00190

N-(*1-Phenylheptyl*)*nicotinamide. Lytosin*

[13931-73-2]



$C_{19}H_{24}N_2O$ M 296.411

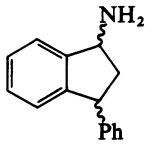
(±)-*form*

Antispasmodic agent. Mp 83-84°.

B.P., 813 524, (*1959*); *CA*, **54**, 17424 (*synth, pharmacol*)

3-Phenyl-1-indanamine, 8CI P-00191

*2,3-Dihydro-3-phenyl-1*H*-inden-1-amine, 9CI. 1-Amino-3-phenylindane*



$C_{15}H_{15}N$ M 209.290

Oil. $Bp_{0.2}$ 132-136°.

N-*Di-Me:* [5581-40-8]. ***Dimefadane, USAN, INN.*** *NIH 7661. SKF 1340.*

$C_{17}H_{19}N$ M 237.344

Analgesic.

▷NK4025000.

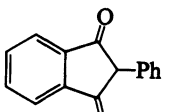
N-*Di-Me; B,HCl:* Rhombs. (EtOH). Mp 190°.

Philpott, P.G. *et al*, *J. Chem. Soc.*, 1956, 691 (*deriv*)
Levshina, K.V. *et al*, *Zh. Obshch. Khim.*, 1964, **34**, 3414; *CA*, **62**, 3983f (*synth*)
Bogeso, K.P. *et al*, *J. Med. Chem.*, 1985, **28**, 1817 (*synth, deriv*)

2-Phenyl-1,3-indanedione P-00192

*2-Phenyl-1*H*-indene-1,3(2*H*)-dione, 9CI. 1,3-Dioxo-2-phenylindane.* ***Phenindione, INN, BAN.*** *Dindevan. Numerous proprietary names*

[83-12-5]



$C_{15}H_{10}O_2$ M 222.243

Has anticoagulant props. Leaflets (EtOH). Mp 149-151°. Blue soln. in conc. H_2SO_4, deep red in alkali.

▷NK6125000.

Nathanson, F., *Ber.*, 1893, **26**, 2576.
Hantzsch, A. *et al*, *Justus Liebigs Ann. Chem.*, 1912, **392**, 303.
Bravic, G. *et al*, *Cryst. Struct. Commun.*, 1974, **3**, 215 (*cryst struct*)
Hughes, D.W. *et al*, *Can. J. Chem.*, 1977, **55**, 3304 (*cmr*)
Crabb, T.A. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 2783 (*synth*)
Pipkin, J.D. *et al*, *J. Am. Chem. Soc.*, 1982, **10**, 6672 (*tautom*)
Rosenfeld, M.J. *et al*, *J. Org. Chem.*, 1988, **53**, 2699 (*synth, ir, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3410.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4818.

3-Phenyl-2-methyl-2-propylamine P-00193

α,α-Dimethylbenzeneethanamine, 9CI. α,α-Dimethylphenethylamine, 8CI. 2-Amino-2-methyl-3-phenylpropane. ***Phentermine, BAN, INN, USAN***

$PhCH_2C(CH_3)_2NH_2$

$C_{10}H_{15}N$ M 149.235

Has hypertensive and anorexic props. Oil. Bp_{10} 89-90°. n_D^{20} 1.5130.

B,HCl: [1197-21-3]. *Phentermine hydrochloride, USAN. Wilpo. Fastin.* Cryst. (2-propanol/isopropyl ether). Mp 199-200°.

▷SH4950000.

N-*Me:* [100-92-5]. ***Mephentermine, BAN, INN.*** *Wyamine.* Adrenergic, vasoconstrictor. Liq. Bp_9 94-97°. n_D^{20} 1.5112.

▷SI3675000.

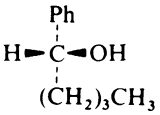
N-*Me; 2B,H*$_2$*SO*$_4$: [1212-72-2]. *Mephentermine sulfate, USAN. Mephine.* Cryst. + $2H_2O$.

Zenitz, B.L. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 955 (*synth*)
Org. Synth., 1964, **44**, 44 (*synth*)
Reisch, J. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 81 (*ms*)
Reisch, J. *et al*, *Fresenius' Z. Anal. Chem.*, 1968, **238**, 29 (*pmr*)
Cox, R.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **181**, 1 (*pharmacol*)
Marquardt, F.H. *et al*, *J. Org. Chem.*, 1972, **37**, 1861 (*synth*)

1-Phenyl-1-pentanol P-00194

α-Butylbenzenemethanol, 9CI. Butyl phenyl carbinol. Phenyl butyl carbinol. α-Butylbenzyl alcohol. ***Fenipentol, INN.*** *Febichol. Kol. Pancoral. Pentabil. Pentfenil. Sapem. Suiclisin*

[583-03-9]



(R)-form

$C_{11}H_{16}O$ M 164.247

▷DN8780000.

(R)-form [19641-53-3]

Liq. Bp_8 110-115°. $[\alpha]_D$ +27.5° (c, 2.98 in C_6H_6) (88% opt. pure).

(S)-form [33652-83-4]

Liq. Bp_8 113-114°. $[\alpha]_D$ −17.2° (neat) (opt. pure).

(±)-*form* [21632-19-9]

Choleretic agent. Liq. d^{25} 1.01. Bp_{21} 137°. n_D^{25} 1.4806.

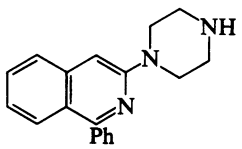
Adams, R.M. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 4368 (*synth*)
Engelhorn, A., *Arzneim.-Forsch.*, 1960, **10**, 255 (*pharmacol*)
MacLeod, R. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 876 (*synth*)
Koss, F.W. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 195 (*metab*)
Horeau, A. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 3513 (*config*)
Anders, M.W. *et al*, *Anal. Chem.*, 1971, **43**, 1093 (*glc*)
Seebach, D. *et al*, *Chem. Ber.*, 1974, **107**, 1748 (*synth*)
Mukaiyama, T. *et al*, *Chem. Lett.*, 1978, 219 (*config, synth*)
Sato, T. *et al*, *Chem. Lett.*, 1978, 601 (*synth*)
Noyori, R. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 3129 (*synth*)
Chey, W.Y. *et al*, *Gastroenterology*, 1983, **84**, 1578 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3722.

4-Phenyl-2-[(2-phenylethyl)amino]thiazole P-00195
4-Phenyl-N-(2-phenylethyl)-2-thiazolamine, 9CI. Phenethyl(4-phenylthiazol-2-yl)amine. ***Fanetizole, BAN, INN***
[79069-94-6]



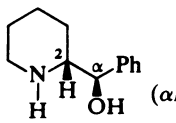
$C_{17}H_{16}N_2S$ M 280.387
Immunoregulator.
B,HBr: [72965-80-1]. Cryst. (EtOH). Mp 169-172°.
B,$MeSO_3H$: [79069-95-7]. *Fanetizole mesylate, USAN.*
U.S.P., 4 307 106, (*1981*); *CA*, **96**, 122784m (*synth, pharmacol*)

1-Phenyl-3-(1-piperazinyl)isoquinoline, 10CI P-00196
Perafensine, INN. *HR 459*
[72444-62-3]



$C_{19}H_{19}N_3$ M 289.379
Antidepressant. Mp 107-118°.
B,HCl: [72736-13-1]. Mp 284-287°.
U.S.P., 4 282 222, (*1981*); *CA*, **95**, 203773 (*synth*)
Beyhl, F.E. *et al*, *IRCS Med. Sci.*, 1986, **14**, 258 (*props*)

α-Phenyl-2-piperidinemethanol, 9CI, 8CI P-00197
Phenyl-2-piperidylmethanol. Phenyl-2-piperidylcarbinol. 2-(1-Hydroxyethyl)piperidine
[23702-98-9]



(αR,2R)-*form*

$C_{12}H_{17}NO$ M 191.272
The pharmaceutical prod. is a (−)-form but it is not clear which diastereoisomer. Antidepressant, anorexic agent.

(αR,2R)-form [31002-84-3]
(−)-threo-*form*
Mp 149-151°. $[\alpha]_D^{25}$ −15.9° (EtOH). Hydrochloride could not be prepd.
Acetate (ester): [24558-01-8]. ***Levofacetoperane, INN.*** *Phacetoperane. RP 8228.*
$C_{14}H_{19}NO_2$ M 233.310
Acetate (ester); B,HCl: Lidepran. Cryst. (Me_2CO/Et_2O). Mp 229-230°.

(αR,2S)-form [5583-31-3]
(*1*R,2S)-*form.* (−)-erythro-*form*
B,HCl: [5583-32-4]. Mp 213.5-215°. $[\alpha]_D^{25}$ −22.0°.

(αS,2S)-form [30882-77-0]
(+)-threo-*form*
Mp 149-151°. $[\alpha]_D^{25}$ +16.2° (EtOH).

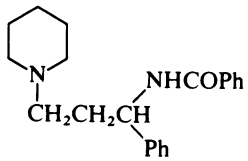
(αS,2R)-form [5583-35-7]
(*1*S,2R)-*form.* (+)-erythro-*form*
Mp 141-142°.
B,HCl: Mp 213-213.5°. $[\alpha]_D^{25}$ +23.1° (H_2O).

(αRS,2RS)-form [67335-48-2]
(±)-threo-*form*
Mp 170-173°.

(αRS,2SR)-form
(±)-erythro-*form*
Mp 141-142°.

Crook, K.E. *et al*, *J. Am. Chem. Soc.*, 1930, **52**, 4006 (*synth*)
Fr. Pats., 70 999, 71 000, (*1959*); *CA*, **56**, 461be (*synth*)
Fauley, J.J. *et al*, *J. Org. Chem.*, 1971, **36**, 3065 (*synth, abs config, bibl*)
Shaw, S.C. *et al*, *J. Indian Chem. Soc.*, 1978, **55**, 916 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1481.

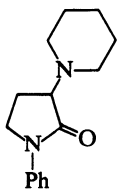
***N*-[1-Phenyl-3-(1-piperidinyl)propyl]-benzamide, 9CI** P-00198
N-[α-(*2-Piperidinoethyl*)*benzyl*]*benzamide, 8CI.* *Digammacaine*
[20537-22-8]



$C_{21}H_{26}N_2O$ M 322.449

(±)-form
Local anaesthetic.
B,HCl: Cryst. (2-propanol/Et_2O). Mp 188-189°.
Rose, C.L. *et al*, *J. Lab. Clin. Med.*, 1954, **44**, 571 (*pharmacol*)
B.P., 739 741, (*1955*); *CA*, **50**, 10774 (*synth*)

1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone, 9CI P-00199
Felipyrine, INN
[1980-49-0]



$C_{15}H_{20}N_2O$ M 244.336

(±)-form
Antiinflammatory agent. Mp 84-85°.
B,HCl: [4871-82-3]. Mp 209-210°.
Okumura, K. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 718 (*synth*)
Okumura, K. *et al*, *J. Med. Chem.*, 1966, **9**, 315 (*synth, pharmacol*)

2-Phenyl-1,3-propanediol, 9CI P-00200
[1570-95-2]

$PhCH(CH_2OH)_2$

$C_9H_{12}O_2$ M 152.193
Viscous oil. Mp 48.5-49°. Bp_{16} 189°, Bp_2 136-137°.
Di-Ac:
$C_{13}H_{16}O_4$ M 236.267
Bp_{13} 162-164°.
Dicarbamate: [25451-15-4]. ***Felbamate, INN.*** *W 554.*
$C_{11}H_{14}N_2O_4$ M 238.243

Anticonvulsant. Mp 151-152°.

▷TZ1070000.

Adkins, H. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 3121 (*synth*)
Searles, S. *et al*, *J. Org. Chem.*, 1959, **24**, 1839 (*synth*)
Ludwig, B.J. *et al*, *J. Med. Chem.*, 1969, **12**, 462 (*Felbamate*)
Marshall, P.A. *et al*, *Aust. J. Chem.*, 1977, **30**, 141 (*synth*)
Swinyard, E.A. *et al*, *Epilepsia (N.Y.)*, 1986, **27**, 27 (*Felbamate*)

3-Phenyl-1-propanol P-00201

Benzenepropanol, 9CI. Hydrocinnamic alcohol

[122-97-4]

$PhCH_2CH_2CH_2OH$

$C_9H_{12}O$ M 136.193

Parent alcohol, acetate and other simple esters are perfumery and flavouring ingredients. Bp 235°, Bp_{12} 119°.

▷UB8970000.

4-Nitrobenzoyl: Cryst. (EtOH). Mp 45-46°.

Me ether:

$C_{10}H_{14}O$ M 150.220

Bp 206.5°, Bp_{12} 92-94°.

Phenylurethane:

$C_{16}H_{17}NO_2$ M 255.316

Mp 47°.

Carbamate: [673-31-4]. ***Phenprobamate, BAN, INN.*** *Gamaquil. Actiphan. Nelaxan.* Skeletal muscle relaxant. Leaflets (EtOH aq.). Mp 101-104°.

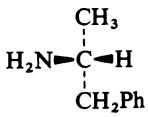
▷UB9275000.

Huston, R.C. *et al*, *J. Org. Chem.*, 1941, **6**, 123 (*synth*)
Org. Synth., Coll. Vol., **4**, 798 (*synth*)
Swiss Pat., 451 114, (*1968*); *CA*, **69**, 96193 (*synth, pharmacol, Phenprobamate*)
Snyder, E.I. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 1579 (*conformn*)
Cornils, B. *et al*, *Chem.-Ztg.*, 1974, **98**, 596 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7086.

1-Phenyl-2-propylamine P-00202

α-Methylbenzeneethanamine, 9CI. 2-Amino-1-phenylpropane. 1-Benzylethylamine. β-Aminopropylbenzene. Amphetamine. Benzedrine. ***Amfetamine, INN.*** *Numerous proprietary names*

[60-15-1]



(R)-form
Absolute configuration

$C_9H_{13}N$ M 135.208

▷Highly toxic. SH9000000.

(R)-form [156-34-3]

Levamphetamine, BAN. *Levamfetamine, INN*

Sympathomimetic drug. Less potent than (*S*)-isomer. Resolving agent.

B,H_2SO_4: [51-62-7]. *Levedrine.*

▷SI1575000.

Succinate: [5634-40-2]. *Levamfetamine succinate, USAN. Amodril. Cydril. Miagret.* Anorexic agent.

N-*Me; B,HCl:* [826-10-8].

▷SH5250000.

N-*Me; B,MeI:*

$C_{10}H_{15}N$ M 149.235

Columns. Mp 197-198°. $[\alpha]_D^{18}$ −3.7°.

N,N-*Di-Me:* [52691-87-9].

$C_{11}H_{17}N$ M 163.262

Bp_{32} 116-120°. $[\alpha]_D^{26}$ +7.8° (c, 1.96 in MeOH).

(S)-form [51-64-9]

Dexamphetamine, BAN, INN. *Dextroamphetamine, USAN*

CNS stimulant, appetite suppressant. Resolving agent. Oil. Bp_{16} 102°. $[\alpha]_D$ +33.5° (c, 10.0 in EtOH). n_D^{20} 1.4704.

▷SH9100000.

B,HCl: [1462-73-3].

▷SH9798400.

B,H_2SO_4: [51-63-8]. *Dextroamphetamine sulfate, USAN. Dexedrine. Diphylets. Hetamine. Apetain. Dexamed.* Plates. Mp >300°. $[\alpha]_D^{20}$ +21.8°.

▷SI1400000.

N-*Me; B,HCl:* [51-57-0]. *Methedrine.* Sympathomimetic, central stimulant. Cryst. (EtOH). Mp 172°. $[\alpha]_D^{20}$ +18° (H_2O).

▷SH5425000.

N,N-*Di-Me:* [17279-39-9]. ***Dimetamfetamine, INN.*** Psychotherapeutic.

▷SI3800000.

N,N-*Di-Me; B,HCl:* [36913-04-9]. Mp 183-186°. $[\alpha]_D$ +15.1°.

(±)-form [300-62-9]

Oil. Sl. sol. H_2O. d_4^{25} 0.913. Bp 203°.

▷SH9450000.

B,HCl: Mp 145-147°. Hygroscopic.

B,H_2SO_4: [60-13-9]. *Amphetamine sulfate, USAN. Ibiozedrine. Bennie.*

▷SI1750000.

B,H_3PO_4: [139-10-6]. *Profetamine phosphate.* Sinters at ca. 150°. Dec. at ca. 300°.

▷SI0875000.

N-*Me: 2-Methylamino-1-phenylpropane.* ***Metamfetamine, INN.***

$C_{10}H_{15}N$ M 149.235

CNS stimulant. Oil. Bp_{63-65} 126-127°.

N-*Me; B,HCl:* [300-42-5]. Cryst. (EtOH/Et_2O). Mp 135-136°.

▷SH5075000.

N-*Formyl:* [15302-18-8]. N-(*α-Methylphenethyl*)-*formamide, 8CI.* ***Formetorex, INN.*** *Formetamide.*

$C_{10}H_{13}NO$ M 163.219

Anorexic agent. Bp_3 155-157°.

N-*Ac:*

$C_{11}H_{15}NO$ M 177.246

Needles (EtOH aq.). Mp 64°, becomes 93° on standing.

N-*Et:* [457-87-4]. ***Etilamfetamine, INN.*** *Etamfetamine. Apetinil.*

$C_{11}H_{17}N$ M 163.262

Neuroleptic and anorexic agent. Bp_{14} 104.5-106°.

▷SH6810000.

N,N-*Di-Me:* [49681-82-5]. Bp_{20} 115-118°.

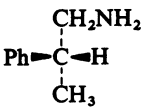
Hartung, W.H. *et al*, *J. Am. Chem. Soc.*, 1931, **53**, 1875 (*synth*)
Freudenberg, K. *et al*, *Justus Liebigs Ann. Chem.*, 1934, **510**, 223 (*abs config*)
Leonard, N.J. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4858 (*synth*)
Craig, J.C. *et al*, *Tetrahedron*, 1967, **23**, 3573 (*ord, cd*)
Cervinka, O. *et al*, *Z. Chem.*, 1968, **8**, 24 (*Formetorex*)
Vree, T.B. *et al*, *J. Pharm. Pharmacol.*, 1969, **21**, 774 (*props, deriv*)
Bergin, R. *et al*, *Acta. Crystallogr., Sect. B*, 1971, **27**, 2146 (*cryst struct*)
Bright, S. *et al*, *J. Org. Chem.*, 1973, **38**, 2554 (*conformn*)
Groot-Wassink, B.H. *et al*, *J. Chem. Educ.*, 1974, **51**, 671 (*synth*)
Handb. Exp. Pharmakol., 1977, **45**, 3 (*revs*)
Handb. Psychopharmacol., 1978, **11**, 1 (*revs*)
Caldwell, J., Ed., *Amphetamines, Chemical, Biological, Clinical and Sociological Aspects*, CRC Press, Boca Raton, Flo., 1980 (*book*)

Testa, B. *et al, J. Pharm. Sci.*, 1980, **69**, 497 (*pharmacol, Dimetamfetamine*)
Bailey, K. *et al, Anal. Chim. Acta*, 1981, **123**, 75 (*cmr*)
Morgan, J.P., *Substance Abuse: Clin. Probs. and Perspectives*, Williams and Willimas, Baltimore, 1981 (*revs*)
Smith, H.C. *et al, J. Am. Chem. Soc.*, 1983, **105**, 1578 (*synth, Dimetamfetamine*)
Paulsen-Sörman, U.B. *et al, J. Med. Chem.*, 1984, **27**, 342 (*synth, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1273, 1274, 1275, 1671 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1412, 1413, 1414, 1418, 1419, 1425, 1430, 1431.
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **5**, 18.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 271, 1762.

2-Phenyl-1-propylamine P-00203

β-Methylbenzeneethanamine, 9CI. β-Methylphenethylamine, 8CI. Elastonon

[582-22-9]



(*R*)-*form* Absolute configuration

$C_9H_{13}N$ M 135.208

▷SH9520000.

(*R*)-*form*

Oil. $[\alpha]_D^{29}$ +9.84° (c, 9.71 in EtOH) (33.4% opt. pure).

(±)-*form*

Oil with fishy odour. Bp 210°, Bp_{21} 104°.

B, HCl: Mp 123-124°.

Picrate:

$C_{10}H_{15}N$ M 149.235

Mp 182°.

N-*Me:* [93-88-9]. N,*β-Dimethylbenzeneethanamine, 9CI.* N,*β-Dimethylphenethylamine, 9CI. Phenylpropylmethylamine.* ***Phenpromethamine, INN.*** *Vonedrine.*

$C_{10}H_{15}N$ M 149.235

Adrenergic agent, vasodilator. Alkaline liq. Bp 205-210°, Bp_{15} 95-96°.

▷SH4935000.

N-*Me; B,HCl:* [5969-39-1]. Mp 144-148°.

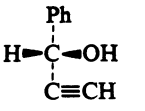
▷SH5460000.

Weston, A.W. *et al, J. Am. Chem. Soc.*, 1943, **65**, 674 (*synth*)
Crossley, F.S. *et al, J. Org. Chem.*, 1944, **9**, 529 (*synth*)
Patrick, T.M. *et al, J. Am. Chem. Soc.*, 1946, **68**, 1009 (*synth*)
Sinsheimer, J. *et al, J. Pharm. Sci.*, 1966, **55**, 1240.
Sugi, Y. *et al, Bull. Chem. Soc. Jpn.*, 1969, **42**, 2984; 1970, **43**, 564 (*synth, abs config*)

1-Phenyl-2-propyn-1-ol P-00204

α-Ethynylbenzenemethanol, 9CI. Ethynylphenylcarbinol. 2-Hydroxy-2-phenylpropyne

[4187-87-5]



(*R*)-*form* Absolute configuration

C_9H_8O M 132.162

(*R*)-*form*

Liq. $[\alpha]_D$ −27.1° (c, 2.42 in $CHCl_3$) (100% opt. purity).

2-Carboxy-3-nitrobenzoyl: Mp 152-155°. $[\alpha]_D^{25}$ −53.9° (c, 2.17 in $CHCl_3$).

(*S*)-*form*

Liq. $[\alpha]_D^{25}$ +27.0° (c, 1.35 in $CHCl_3$).

(±)-*form*

Prisms. Mp 22°. Bp_{12} 114°.

Ac: [16169-88-3].

$C_{11}H_{10}O_2$ M 174.199

Bp_{18} 124°.

Phenylurethane: Needles (pet. ether). Mp 81-82°.

Carbamate: [3567-38-2]. ***Carfimate, INN.*** *Equilium. Nirvotin.*

$C_{10}H_9NO_2$ M 175.187

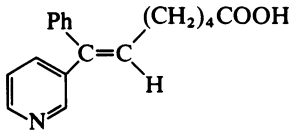
Oncolytic agent, sedative, hypnotic. Mp 86-88°.

▷DO5950000.

Jones, E.R.H. *et al, J. Chem. Soc.*, 1942, 734 (*synth*)
Iwai, I. *et al, CA*, 1960, **54**, 13062 (*abs config*)
Dillard, R.D. *et al, J. Med. Chem.*, 1967, **10**, 40 (*carbamate*)
Purcell, W.P. *et al, J. Med. Chem.*, 1968, **11**, 199 (*carbamate*)
Viola, A. *et al, J. Am. Chem. Soc.*, 1977, **99**, 7390 (*resoln*)

7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, 9CI P-00205

[93943-87-4]



(*E*)-*form*

$C_{18}H_{19}NO_2$ M 281.354

(*E*)-*form* [89667-40-3]

Isbogrel, INN. *CV 4151*

Thromboxane A_2 synthetase inhibitor. Mp 114-115°.

(*Z*)-*form* [89667-39-0]

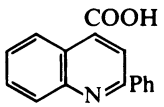
Mp 93-94°.

Kato, K. *et al, J. Med. Chem.*, 1985, **28**, 287 (*synth*)
Imamoto, T. *et al, J. Cardiovasc. Pharmacol.*, 1986, **8**, 832 (*pharmacol*)
Terashita, Z. *et al, Thromb. Res.*, 1986, **41**, 223 (*pharmacol*)
Imura, Y. *et al, Eur. J. Pharmacol.*, 1988, **147**, 359 (*pharmacol*)

2-Phenyl-4-quinolinecarboxylic acid, 9CI P-00206

2-Phenylcinchoninic acid. ***Cinchophen, INN.*** *Atophan. Quinophen*

[132-60-5]



$C_{16}H_{11}NO_2$ M 249.268

Analgesic, antiinflammatory, no longer in widespread use. Cryst. (MeOH). Insol. H_2O. Mp 218°.

▷GD4025000.

B,HCl: Lemon-yellow cryst. Mp 223°.

B,HBr: Brownish-yellow cryst. Mp 255°.

B,HI: Orange cryst. Mp 243°.

Me ester: [4546-48-9].

$C_{17}H_{13}NO_2$ M 263.295

Mp 61°. Bitter taste.

Et ester: [4420-46-6].

$C_{18}H_{15}NO_2$ M 277.322

Cryst. (EtOH). Mp 51°.

Allyl ester: [524-34-5]. ***Allylcinchophen.*** *Atoquinol.*

$C_{19}H_{15}NO_2$ M 289.333

Antiinflammatory. Analgesic. Cryst. (EtOH). Mp 30°. Bp_{15} 265°, $Bp_{0.8}$ 215°.

Amide: [29197-45-3]. *2-Phenyl-4-quinolinecarboxamide.*

$C_{16}H_{12}N_2O$ M 248.284

Mp 196°.
Nitrile: [2973-26-4]. *2-Phenyl-4-quinolinecarbonitrile. 4-Cyano-2-phenylquinoline.*
$C_{16}H_{10}N_2$ M 230.268
Cryst. (EtOH). Mp 140°.
B,MeI: Red cryst. (EtOH aq.). Mp 160-165° dec.
1-Oxide: [20389-12-2].
$C_{16}H_{11}NO_3$ M 265.268
Cryst. (EtOH). Mp 255-256°.

Doebner, O. *et al*, *Justus Liebigs Ann. Chem.*, 1887, **242**, 290 (*synth*)
Pfitzinger, W., *J. Prakt. Chem.*, 1897, **56**, 293 (*synth*)
U.S.P., 1 336 952, (*1920*); *CA*, **14**, 1736 (*deriv*)
Rosenmund, K.W., *Ber.*, 1921, **54**, 2893 (*deriv*)
Du Puis, R.N. *et al*, *J. Am. Chem. Soc.*, 1934, **56**, 471.
Ozawa, F. *et al*, *J. Org. Chem.*, 1986, **51**, 415 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5813.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2627.

1-Phenylsemicarbazide P-00207

2-Phenylhydrazinecarboxamide, 9CI. ***Phenicarbazide, INN.*** *1-Carbamyl-2-phenylhydrazine. Carbaphen. Cryogenine. Kryogenin. Phenygenine*
[103-03-7]

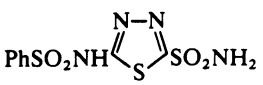
$Ph^4NHNHCO^1NH_2$

$C_7H_9N_3O$ M 151.168
Antipyretic, analgesic. Leaflets (H_2O or EtOH aq.). Mp 172°.
▷Carcinogen. FD0575000.
4-Me: [65119-31-5].
$C_8H_{11}N_3O$ M 165.194
Mp 154-155°.
4-Et: [20049-87-0].
$C_9H_{13}N_3O$ M 179.221
Plates (EtOH aq.). Mp 151°.
4-Et, 1-nitroso:
$C_9H_{12}N_4O_2$ M 208.219
Yellow needles (Me_2CO). Mp 86.5° dec.
1-Ac:
$C_9H_{11}N_3O_2$ M 193.205
Plates (EtOH). Mp 196-197° dec.

Fischer, E., *Justus Liebigs Ann. Chem.*, 1877, **190**, 113 (*synth*)
Andraca, A., *CA*, 1942, **36**, 3802 (*synth*)
Fischer, A. *et al*, *J. Chem. Soc.*, 1965, 7444 (*synth*)
Schmitz, E. *et al*, *Chem. Ber.*, 1967, **100**, 2600 (*synth*)
Kosersky, D.S., *Diss. Abstr. Int. B*, 1971, **32**, 2904; 1973, **33**, 3833 (*pharmacol*)
Yavari, I. *et al*, *Org. Magn. Reson.*, 1982, **20**, 235 (*N-15 nmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 468.

5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, 9CI P-00208

5-Benzenesulfonamido-1,3,4-thiadiazole-2-sulfonamide. ***Benzolamide.*** *CL 11366. W 1803*
[3368-13-6]

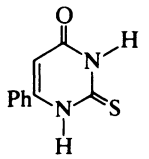


$C_8H_8N_4O_4S_3$ M 320.356
Carbonic anhydrase inhibitor. Mp 238-241° dec.
▷XI4450000.

Vaughan, J.R. *et al*, *J. Org. Chem.*, 1956, **21**, 700 (*synth*)
Travis, D.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1964, **143**, 383; 1966, **151**, 464 (*pharmacol*)
Gray, W.D. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **156**, 383 (*pharmacol*)

6-Phenyl-2-thiouracil P-00209

2,3-Dihydro-6-phenyl-2-thioxo-4(1H)-pyrimidinone, 9CI. Fenucil
[36822-11-4]

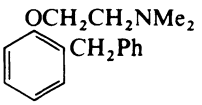


$C_{10}H_8N_2OS$ M 204.246
Thyroid inhibitor. Cryst. (EtOH aq.). Mp 263-264.5°.

Anderson, G.W. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 2197 (*synth, props*)
Burckhalter, J.H. *et al*, *J. Am. Pharm. Assoc.*, 1955, **44**, 545 (*synth*)
Skulnick, H.I. *et al*, *J. Med. Chem.*, 1986, **29**, 1499 (*synth*)

Phenyltoloxamine, BAN, INN P-00210

N,N-Dimethyl-2-[2-(phenylmethyl)phenoxy]-ethanamine, 9CI. N,N-Dimethyl-2-[(α-phenyl-o-tolyl)-oxy]ethylamine, 8CI. 2-Benzylphenol 2-dimethylaminoethyl ether. Phentoloxamine. Antialer. Antin. Bristamin. Bistrimin. Dramal. Floxamine. Phenoxadrine. PRN. C 5581H
[92-12-6]

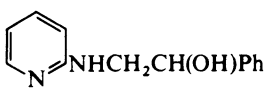


$C_{17}H_{21}NO$ M 255.359
Antihistamine. Oil. $Bp_{0.1}$ 141-144°.
▷KR6475000.
B,HCl: Mp 119-120°.
Citrate (1:1): [1176-08-5]. Cryst. (MeOH or H_2O). Mp 138-140°.
▷KR6650000.

Cheney, L.C. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 60 (*synth*)
Hoekstra, J.B. *et al*, *J. Am. Pharm. Assoc.*, 1953, **42**, 587 (*pharmacol*)
Julian, E.A. *et al*, *J. Pharm. Sci.*, 1965, **54**, 648 (*cryst struct*)
Belg. Pat., 668 227, (*1966*); *CA*, **65**, 7119h (*synth, pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6155.

Phenyramidol, BAN P-00211

α-[(2-Pyridinylamino)methyl]benzenemethanol, 9CI. α-(2-Pyridylaminomethyl)benzyl alcohol. 2-(β-Hydroxyphenethylamino)pyridine. ***Fenyramidol, INN.*** *Numerous proprietary names*
[553-69-5]



$C_{13}H_{14}N_2O$ M 214.266
▷DP1050000.
(±)-*form* [51550-74-4]
Analgesic, muscle relaxant. Cryst. (MeOH aq.). Mp 82-85°.
B,HCl: [51550-75-5]. *Phenyramidol hydrochloride, USAN. Analexin.* Cryst. (EtOH/Et_2O). Mp 140-142°.

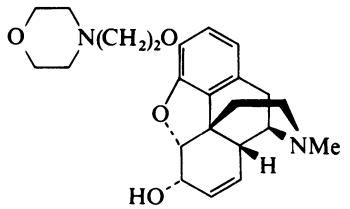
B,MeI: Cryst. (EtOH/Et_2O). Mp 164-166°.

Gray, A.P. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4347 (*synth, uv*)
O'Dell, T.B. *et al*, *J. Pharmacol. Exp. Ther.*, 1960, **128**, 65 (*pharmacol*)
Gerber, N. *et al*, *Drug Metab. Dispos.*, 1974, **2**, 140 (*metab, pharmacol*)
U.S.P., 1 695 559, (*1974*); *CA*, **80**, 95753 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2737 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2690.

Pholcodine, BAN, INN P-00212

7,8-Didehydro-4,5α-epoxy-17-methyl-3-(2-morpholinoethoxy)morphinan-6α-ol, 9CI. Copholco. Sancos. 3-(2-Morpholinoethyl)morphine. Numerous proprietary names

[509-67-1]



Absolute configuration

$C_{23}H_{30}N_2O_4$ M 398.501

Antitussive. Cryst. (monohydrate), syrup (anhyd.). Mp 91°. $[\alpha]_D$ −94.5° (c, 0.02 in EtOH).

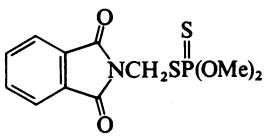
▷QD1575000.

Chabrier, P. *et al*, *Ann. Pharm. Fr.*, 1950, **8**, 261; *CA*, **44**, 9062c (*synth, pharmacol*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Findlay, J.W.A., *J. Clin. Pharm. Ther.*, 1988, **13**, 5 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6930.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5601, 5602.

Phosmet, BSI, BAN P-00213

S-[(1,3-Dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O,O-dimethyl phosphorodithioate, 9CI. O,O-Dimethyl S-phthalimidomethyl phosphorodithioate. Imidan. Nupor. Orbisect. Porect. Prolate. Rycovet-Nupor. ENT 25705. R 1504

[732-11-6]



$C_{11}H_{12}NO_4PS_2$ M 317.314

Nonsystemic insecticide and acaricide. Solid. Mp 72-72.5°.

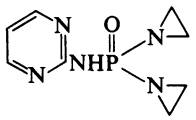
▷Fairly toxic. TE2275000.

U.S.P., 2 767 194, (*1956*); *CA*, **51**, 3915 (*synth*)
Babad, H. *et al*, *Anal. Chim. Acta*, 1968, **41**, 259 (*pmr*)
Getz, M.E. *et al*, *J. Assoc. Off. Anal. Chem.*, 1968, **51**, 1101 (*tlc*)
Ross, R.T. *et al*, *Anal. Chim. Acta*, 1970, **52**, 139 (*P nmr*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A325.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Pesticide Manual, 7th Ed., 438.

Phosphemide P-00214

P,P-Bis(1-aziridinyl)-N-2-pyrimidinylphosphinic amide, 9CI. Fosfemid

[882-58-6]



$C_8H_{12}N_5OP$ M 225.189

Exhibits antitumour activity. Used experimentally and clinically. Cryst. (C_6H_6). Mp 128-129°.

▷SZ5835000.

Kropacheva, A.A. *et al*, *Zh. Obshch. Khim.*, 1961, **31**, 3601 (*Engl. transl.* p. 3357) (*synth*)
Noell, C.W. *et al*, *J. Med. Chem.*, 1967, **11**, 63 (*pharmacol, uv*)
Linberg, N.F. *et al*, *Khim. Geterosikl. Soedin*, 1975, 263 (*Engl. transl.* p. 226) (*ms, metab*)
Linberg, N.F. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 10 (*Engl. transl.* p. 563) (*metab, glc*)
Savin, Yu.I. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 3 (*metab*)

Phosphonoacetic acid, 9CI P-00215

Dihydroxyphosphinylacetic acid, 9CI

[4408-78-0]

$(HO)_2P(O)CH_2COOH$

$C_2H_5O_5P$ M 140.032

Tribasic acid. Antiviral agent, used as Na salt. Rhombs. (AcOH). Insol. C_6H_6, $CHCl_3$, Et_2O. Mp 142-143°. pK_{a1} ~2.0, pK_{a2} 5.11, pK_{a3} 8.69.

Di-Na salt: [36983-81-0]. *Fosfonet sodium, USAN, INN. Abbott 38642.* Antiviral agent.

Me ester: [40962-37-6]. *Methyl dihydroxyphosphinylacetate. Methyl phosphonoacetate.*
$C_3H_7O_5P$ M 154.059
No data available.

Et ester: [35752-46-6]. *Ethyl dihydroxyphosphinylacetate. Ethyl phosphonoacetate.*
$C_4H_9O_5P$ M 168.086
Viscous liq. Insol. C_6H_6, sl. sol. H_2O, EtOH, Et_2O.

Et ester, monoanilinium salt: Cryst. (Me_2CO). Mp 134-136°.

tert-*Butyl ester:*
$C_6H_{13}O_5P$ M 196.139
Cryst. (Me_2CO), as monoanilinium salt. Mp 115-117°.

Benzyl ester:
$C_9H_{11}O_5P$ M 230.157
Cryst. (Me_2CO), as monoanilinium salt. Mp 123-125°.

Nylen, P., *Chem. Ber.*, 1924, **57**, 1023 (*synth*)
Maier, L. *et al*, *Phosphorus Sulfur*, 1978, **5**, 45 (*synth*)
Heubel, P.-H.C. *et al*, *J. Soln. Chem.*, 1979, **8**, 615 (*props, cmr, P nmr*)
Machida, Y. *et al*, *Synth. Commun.*, 1979, **9**, 97 (*ester, pmr*)
Fild, M. *et al*, *Chem. Ber.*, 1980, **113**, 142 (*synth, P nmr*)
Morita, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1981, **54**, 267 (*esters, synth, pmr*)
Sekine, M. *et al*, *J. Org. Chem.*, 1981, **46**, 2097 (*ester*)
Overby, L.R., *Handb. Exp. Pharmacol.*, 1982, **61**, 445 (*rev, pharmacol*)
Ciuhandu, G. *et al*, *Rev. Chim. (Bucharest)*, 1983, **34**, 167 (*synth*)
Eriksson, B. *et al*, *Dev. Mol. Virol.*, 1984, **4**, 127 (*rev*)

Phosphonoformic acid P-00216

Dihydroxyphosphinecarboxylic acid oxide, 9CI

[4428-95-9]

$(HO)_2P(O)COOH$

CH_3O_5P M 126.005

Oral, topical, and nasal prepns., or salts, are useful for treating viral infections, e.g. influenza and herpes, in man. pK_{a1} 0.49 (P-OH), pK_{a2} 7.27 (P-OH), pK_{a3} 3.41 (COOH).

Tri-Na salt: [63585-09-1]. *Trisodium phosphonoformate.* ***Foscarnet sodium, INN, USAN.*** *Foscavir. A 29622.* More effective than esters against herpes virus DNA polymerase. Cryst. + $6H_2O$.

▷SY8200000.

C-*Me ester:* [55920-68-8]. *Methyl (dihydroxyphosphinyl)formate.*

$C_2H_5O_5P$ M 140.032

Na salts used as plant growth regulators.

C-*Et ester:* [55920-71-3]. *Ethyl (dihydroxyphosphinyl)-formate.*

$C_3H_7O_5P$ M 154.059

Salts used as plant growth regulators.

C-*Et ester, dianilinium salt:* Cryst. (EtOH). Mp 143-145°.

C,P-*di-Et ester, anilinium salt:*

$C_{11}H_{18}NO_5P$ M 275.241

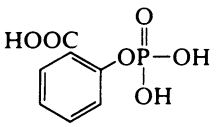
Solid. Mp 163° dec.

Naqvi, R.R., *CA*, 1978, **89**, 107672 (*struct*)
Heubel, P-H.C. *et al*, *J. Solution Chem.*, 1979, **8**, 615 (*props, cmr, nmr*)
McKenna, C.E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 739 (*ester, props*)
Sekine, M. *et al*, *Bull. Chem. Soc. Jpn.*, 1982, **55**, 239 (*ester*)
Oeberg, B., *Pharmacol. Ther.*, 1983, **19**, 387 (*rev, pharmacol*)
Eriksson, B. *et al*, *Dev. Mol. Virol.*, 1984, **4**, 127 (*rev*)

2-(Phosphonooxy)benzoic acid, 9CI P-00217

Salicyclic acid dihydrogen phosphate, 8CI. Fosfosal

[6064-83-1]



$C_7H_7O_6P$ M 218.102

Nonnarcotic analgesic with antiinflammatory and antipyretic props. Solid. Mp 168-170°.

▷VO2770000.

Mono-Na salt: Solid. Mp 172-175°.

Di-Na salt: Solid. Mp >350°.

Tri-Na salt: Solid. Mp >350°.

Tri-Me ester: Methyl 2-(dimethoxyphosphinyl)-oxybenzoate.

$C_{10}H_{13}O_6P$ M 260.183

Liq. $Bp_{0.05}$ 132°. n_D^{29} 1.502.

Tri-Et ester: [32565-98-3]. *Ethyl 2-(diethoxyphosphinyl)oxybenzoate. Salicyclic acid ethyl ester, diethyl phosphate, 8CI.*

$C_{13}H_{19}O_6P$ M 302.263

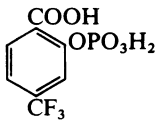
Liq. d_4^{20} 1.19. $Bp_{0.008}$ 126-128°. n_D^{20} 1.4832.

Bowers, G.N. *et al*, *Clin. Chem.*, 1967, **14**, 608 (*uv*)
Pashinkin, A.P. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, 437 (*CA*, **75**, 48604) (*ester*)
Ger. Pat., 2 641 526, (*1978*); *CA*, **88**, 136317 (*synth, tox, use*)
Rafanell, J.G. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1091 (*pharmacol*)
Sanchez, M.S. *et al*, *Arzneim.-Forsch*, 1980, **30**, 1098 (*tox*)

2-(Phosphonooxy)-4-(trifluoromethyl)-benzoic acid, 9CI P-00218

Flufosal, INN

[65708-37-4]



$C_8H_6F_3O_6P$ M 286.101

Antithrombotic agent. Cryst. (Me_2CO/C_6H_6). Mp 157-159°.

Ger. Pat., 2 641 556, (*1977*); *CA*, **88**, 89386 (*synth, props*)

Phosphoric acid P-00219

Orthophosphoric acid

H_3PO_4

H_3O_4P M 97.995

Orthorhomb. cryst. Mp 42.35°.

Mono-K salt: [7778-77-0]. *Potassium phosphate, monobasic.*

KH_2PO_4 M 136.085

Pharmaceutic aid (buffering agent). Cryst.

Di-K salt: [7758-11-4]. *Potassium phosphate dibasic.*

K_2HPO_4 M 174.176

Calcium regulator, cathartic. Hygroscopic granules.

Na salt: [7558-80-7]. *Sodium phosphate monobasic, USAN.*

NaH_2PO_4 M 119.977

Urinary acidifier.

▷WA1900000.

Di-Na salt: [7558-79-4]. *Sodium phosphate dibasic, USAN.*

Na_2HPO_4 M 141.959

Laxative. Hygroscopic powder. ^{32}P labelled cpd. is used as an antineoplastic and antipolycythemic agent and as a neoplasm diagnostic aid (Phosphotope).

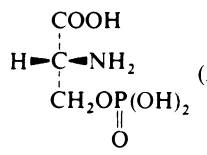
▷WC4500000.

Inorg. Synth., 1939, **1**, 101 (*synth*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 528 (*synth*)
Kirk-Othmer. Encycl. Chem. Tech., 3rd Ed., 1978-1984, Wiley, N.Y., 426 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5869.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2770.

Phosphoserine P-00220

Serine dihydrogen phosphate, 9CI. 2-Amino-3-hydroxypropanoyl 3-phosphate. O-Phosphonoserine

[7331-08-0]



(R)-form

$C_3H_8NO_6P$ M 185.073

Found in casein and mammalian plasma. Occurs in brain.

(*R*)-*form* [73913-63-0]
D-form
Cryst. Mp 170-173°. $[\alpha]_D^{21}$ −15.6° (c, 3.2 in 2M HCl).
(*S*)-*form* [407-41-0]
L-form
Cryst. (EtOH aq.). Mp 175-176° dec. (167°). $[\alpha]_D^{21}$ +16.2° (c, 3 in 2M HCl), $[\alpha]_D^{23}$ +7.2° (c, 4 in 2M HCl).
(±)-*form* [17885-08-4]
Energoserina. Foserin. Monoserina. Neuroserina. Serinfosfan. Serophen
Stimulant. Cryst. (H_2O or EtOH aq.). Mp 186°, Mp 153-156° (monohydrate).
Brucine salt: Solid. Mp 130° dec.
Mono-P-Ph ester: 2-Amino-3-[(hydroxyphenoxyphosphinyl)oxy]propanoic acid.
$C_9H_{12}NO_6P$ M 261.171
Cryst. (H_2O). Mp 163-165°.
P,P-*Di-Ph ester: 2-Amino-3-[(diphenoxyphosphinyl)-oxy]propanoic acid.*
$C_{15}H_{16}NO_6P$ M 337.268
Solid. Mp 129-130° dec.
P,P-*Di-Ph ester*, C-*Et ester: Ethyl 2-amino-3-[(diphenoxyphosphinyl)oxy]propanoate.*
$C_{17}H_{20}NO_6P$ M 365.322
Mp 99-100° (as hydrochloride). Also forms a hydrobromide, Mp 67-68°.

Agren, G. *et al*, *Acta Chem. Scand.*, 1951, **5**, 324 (*isol*)
Plapinger, R.E. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 5757 (*derivs*)
Fölsch, G. *et al*, *Acta Chem. Scand.*, 1957, **11**, 1237 (*synth, ir*)
Neuhaus, F.C. *et al*, *Biochem. Prep.*, 1958, **6**, 75 (*synth*)
Neuhaus, F.C. *et al*, *J. Biol. Chem*, 1959, **234**, 109 (*metab*)
Theodoropoulos, D.M. *et al*, *J. Chem. Soc.*, 1960, 5257 (*synth*)
Putkey, E.F. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 782 (*cryst struct*)
Sundaralingam, M. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 790 (*cryst struct*)
Pogliani, L. *et al*, *Org. Magn. Reson.*, 1977, **10**, 26 (*pmr, conformn*)
Bolton, P.H., *J. Magn. Reson.*, 1981, **45**, 239 (*nmr*)
Vogel, H.J. *et al*, *Biochemistry*, 1982, **21**, 1126 (*P nmr*)
Mohan, M.S. *et al*, *Inorg. Chem.*, 1983, **22**, 714 (*complexes*)

Phoxim, BSI, ISO, BAN, INN P-00221

4-Ethoxy-7-phenyl-3,5-dioxa-8-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide, *9CI*. α-[[(*Diethoxyphosphinothioyl*)*oxy*]*imino*]-*benzeneacetonitrile. Phenylglyoxylonitrile oxime* O-(O,O-*diethylphosphorothioate*), *8CI*. O,O-*Diethyl* α-*cyanobenzylideneaminooxyphosphonothioate. Baythion. Sebacil. Valexon. Volaton. Bayer 9053*
[14816-18-3]

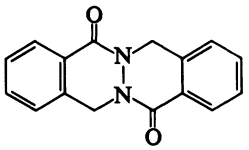
$(EtO)_2P(S)ON{=}C(CN)Ph$

$C_{12}H_{15}N_2O_3PS$ M 298.296
Broad spectrum veterinary insecticide and anthelmintic of short duration. Liq. d^{20} 1.176. Fp 5-6°. $Bp_{0.01}$ 102° dec. Tends to dec. on dist. Mod. cholinesterase inhibitor of low tox.
▷MD4740000.

Mason, W.A. *et al*, *J. Agric. Food Chem.*, 1973, **21**, 762 (*synth*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A328.
Pesticide Manual, 7th Ed., 440.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, 9CI, 8CI P-00222

Diftalone, *USAN, INN*. *Aladione. Retilon. L 5418*
[21626-89-1]

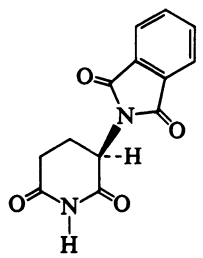


$C_{16}H_{12}N_2O_2$ M 264.283
Antiinflammatory drug. Cryst. (EtOH). Mp 226-227°.
▷TH9250000.

Ballasio, E. *et al*, *Farmaco, Ed. Sci.*, 1970, **25**, 305 (*synth, pharmacol*)
Zerilli, L.F. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 157 (*ms*)
Nardelli, M. *et al*, *Gazz. Chim. Ital.*, 1978, **108**, 573 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2636.

2-Phthalimidoglutarimide P-00223

2-(2,6-Dioxo-3-piperidinyl)-1H-isoindole-1,3(2H)-dione, *9CI*. N-(*2,6-Dioxo-3-piperidinyl*)*phthalimide*, *8CI*. ***Thalidomide***, *BAN, USAN, INN*. *Distaval. NSC 66847. Numerous proprietary names*
[50-35-1]



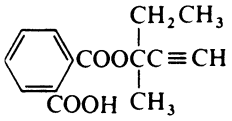
(*R*)-*form*
Absolute configuration

$C_{13}H_{10}N_2O_4$ M 258.233
▷TI4375000.
(*R*)-*form* [2614-06-4]
Cryst. (DMF aq.). Mp 244°. $[\alpha]_D^{25}$ +64° (c, 2 in DMF).
▷TI4925000.
(*S*)-*form* [841-67-8]
Cryst. (DMF aq.). Mp 244°. $[\alpha]_D^{25}$ −64° (c, 2 in DMF).
▷TI4925050.
(±)-*form* [731-40-8]
Sedative, hypnotic, potential antineoplastic. Leprostatic. Needles. Sol. dioxan, insol. Et_2O, $CHCl_3$, C_6H_6. Mp 269-271°. Teratogenic in humans.
▷TI4920000.

Kunz, W. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 426 (*synth, pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Shealy, Y.F. *et al*, *Chem. Ind. (London)*, 1965, 1030 (*abs config*)
Williams, R.T., *Arch. Environ. Health*, 1968, **16**, 493 (*rev, pharmacol*)
Trotter, J. *et al*, *J. Chem. Soc. (B)*, 1971, 1073 (*cryst struct*)
De, A.U. *et al*, *J. Pharm. Sci.*, 1975, **64**, 262 (*synth*)
Blaschke, G. *et al*, *Chem. Ber.*, 1980, **113**, 2318 (*resoln*)
Fabro, S., *Biochem. Basis Chem. Teratog.*, 1981, 159 (*rev, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2655.

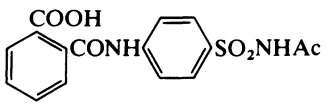
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13316.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2554.

Phthalofyne, USAN P-00224
Mono(1-ethyl-1-methyl-2-propynyl) 1,2-benzenedicarboxylate, 9CI. Mono(1-ethyl-1-methyl-2-propynyl) phthalate, 8CI. ***Ftalofyne, INN****. Whipcide. NSC 25614*
[131-67-9]



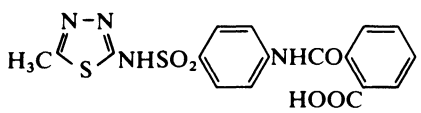
$C_{14}H_{14}O_4$ M 246.262
Cryst. (C_6H_6 or hexane).
(+)-*form*
Cryst. (pet. ether). Mp 112-113°. $[\alpha]_D^{19}$ +39° (c, 5 in EtOH).
(±)-*form*
Veterinary anthelmintic. Mp 96-98°. Unstable in alkali.
Hickman, J.R. *et al*, *J. Chem. Soc.*, 1955, 2051 (*synth*)
B.P., 736 993, (*1955*); *CA*, **51**, 476b (*synth, pharmacol*)
Jones, I.M., *Adv. Vet. Sci.*, 1957, **3**, 353 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13108.

Phthalylsulfacetamide P-00225
4'-(Acetylsulfamyl)phthalanilic acid. Enterocid. Talsigel. Thalamyd. Thalisul. Enterosulfon. Intazin. Rabalon. Sulfacyl. Numerous proprietary names
[131-69-1]



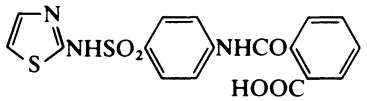
$C_{16}H_{14}N_2O_6S$ M 362.356
Antibacterial agent (intestinal). Needles (EtOH). Mp 196°.
Basu, U.P., *J. Indian Chem. Soc.*, 1949, **26**, 130 (*synth, pharmacol*)
Singh, T.P. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 2088 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3884 (*synonyms*)

Phthalylsulfamethizole, INN P-00226
4'-[(5-Methyl-1,3,4-thiadiazol-2-yl)sulfamoyl]-phthalanilic acid, 8CI
[485-24-5]



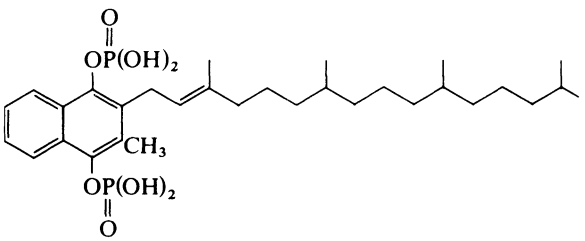
$C_{17}H_{14}N_4O_5S_2$ M 418.441
Antibacterial agent. Mp 240° dec.
B.P., 689 281, (*1953*); *CA*, **48**, 4584 (*synth, pharmacol*)
Kiger, J.L. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 593 (*tlc*)

Phthalylsulfathiazole, INN P-00227
2-[[[4-[(Thiazolylamino)sulfonyl]phenyl]amino]-carbonyl]benzoic acid, 9CI. 4'-(2-Thiazolylsulfamoyl)-phthalanilic acid, 8CI. Enteramida. Entexidin. Taleudron. Intestiazol. Sulfacetil. Numerous proprietary names
[85-73-4]



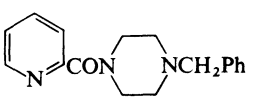
$C_{17}H_{13}N_3O_5S_2$ M 403.427
Antibacterial (intestinal). Slight-bitter taste. Mp 272-277° dec. Darkens on exp. to light.
▷TH8575000.
Shell, J.W. *et al*, *Mikrochim. Acta*, 1957, 145 (*props*)
Freytag, B., *Arzneim.-Forsch.*, 1960, **10**, 165 (*pharmacol*)
Tanaka, Y. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 399 (*ir*)
Walash, M.I. *et al*, *J. Pharm. Sci.*, 1972, **61**, 277 (*tlc*)
Ganju, A. *et al*, *Indian Chem. J.*, 1973, **8**, 33 (*synth*)
Cobb, P.H. *et al*, *J. Chromatogr.*, 1976, **123**, 443 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4912.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4251 (*synonyms*)

Phytonadiol diphosphate P-00228
2-Methyl-3-phytyl-1,4-naphthalenedioldiphosphate
[6078-42-8]



$C_{31}H_{50}O_8P_2$ M 612.679
Antihaemorrhagic agent.
Di-Na salt: [5988-22-7]. *Phytonadiol sodium diphosphate, INN. Kayhydrin. Mephyten-OK.* Pale-tan solid.
U.S.P., 3 065 255, (*1962*); *CA*, **58**, 6762d (*synth, pharmacol*)
Hassan, M.M.A. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 449 (*rev*)

Piberaline, INN P-00229
1-(Phenylmethyl)-4-(2-pyridinylcarbonyl)piperazine, 9CI. 1-Benzyl-4-picolinoylpiperazine
[39640-15-8]

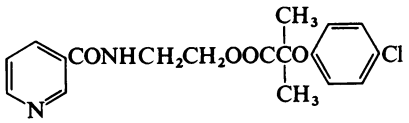


$C_{17}H_{19}N_3O$ M 281.357
Antidepressant. $Bp_{0.1}$ 218-220°.
B,2HCl: Cryst. (EtOH). Mp 216-217°.
Ger. Pat., 2 215 545, (*1972*); *CA*, **78**, 16227a (*synth, pharmacol*)

Picafibrate, INN **P-00230**

2-[(3-Pyridinylcarbonyl)amino]ethyl 2-(4-chlorophenoxy)-2-methylpropanoate, 9CI. N-*(2-Hydroxyethyl)-nicotinamide 2-*(p-*chlorophenoxy)-2-methylpropionic acid, 8CI. F 1393*

[57548-79-5]



$C_{18}H_{19}ClN_2O_4$ M 362.812

Hypocholesteraemic agent.

B,HCl: Cryst. (isobutanol). Mp 150°.

Cousse, H. *et al, Trav. Soc. Pharm. Montpellier*, 1978, **38**, 71 (*pharmacol*)
Netherlands Pat., 7 706 803, (*1978*); *CA*, **90**, 203883w (*synth, pharmacol*)
Benard, P. *et al, Boll. Chim. Farm.*, 1981, **120**, 114.

Picartamide, INN **P-00231**

*Tetrahydro-*N*-methyl-2-(2-pyridinyl)-2-thiophenecarbothioamide, 9CI. RP 40749*

[76732-75-7]



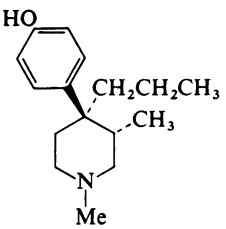
$C_{11}H_{14}N_2S_2$ M 238.365

Antiulcerogenic and antisecretory agent. Cryst. (EtOH). Mp 131°. Closely related to Lucartamide, L-00111 .

Minaire, Y. *et al, Drugs Exp. Clin. Res.*, 1983, **9**, 935 (*pharmacol*)
Forichon, J. *et al, Eur. J. Clin. Pharmacol.*, 1986, **30**, 369; 1987, **33**, 479 (*pharmacol*)
Aloup, J.C. *et al, J. Med. Chem.*, 1987, **30**, 24 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19656.

Picenadol, INN **P-00232**

3-(1,3-Dimethyl-4-propyl-4-piperidinyl)phenol, 9CI. 4-(3-Hydroxyphenyl)-1,3-dimethyl-4-propylpiperidine. LY97435



$C_{16}H_{25}NO$ M 247.380

Analgesic.

▷SL2261000.

trans*-(±)-*form [79201-85-7]

B,HCl: [74685-16-8]. *Picenadol hydrochloride, USAN. LY 150720.* Cryst. (EtOH).

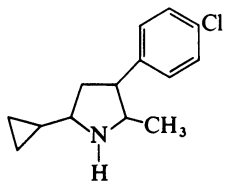
B,HBr: Mp 261-262°.

U.S.P., 4 081 450, (*1978*); *CA*, **85**, 5512h (*synth*)
Leander, J.D. *et al, Eur. J. Pharmacol.*, 1982, **81**, 185 (*pharmacol*)
Eur. Pat., 136 863, (*1983*); *CA*, **103**, 195998 (*synth*)
Leander, J.D. *et al, Drug Dev. Res.*, 1983, **3**, 483 (*pharmacol*)
Carter, R.B. *et al, J. Pharmacol. Exp. Ther.*, 1985, **234**, 299 (*pharmacol*)
Zimmerman, D.M. *et al, Drug. Alcohol Depend.*, 1985, **14**, 381 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19658.

Picilorex, INN **P-00233**

3-(4-Chlorophenyl)-5-cyclopropyl-2-methylpyrrolidine, 9CI

[62510-56-9]



$C_{14}H_{18}ClN$ M 235.756

Anorexic agent.

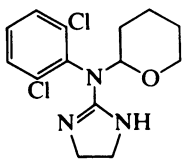
Succinate (2:1): [62510-57-0]. *UP 507-04.*

B,HCl: [56109-02-5]. *Roxenan.* Cryst. (2-propanol). Mp 191°.

Ger. Pat., 2 446 317, (*1975*); *CA*, **83**, 43183 (*synth*)
Dumeur, G. *et al, Br. J. Pharmacol.*, 1976, **58**, 437P (*pharmacol*)

Piclonidine, INN **P-00234**

N-*(2,6-Dichlorophenyl)-4,5-dihydro-*N*-(tetrahydro-2*H*-pyran-2-yl)-1*H*-imidazol-2-amine, 9CI. 2-[2,6-Dichloro-*N*-(tetrahydro-2*H*-pyran-2-yl)anilino]-2-imidazoline. LR 99853*



$C_{14}H_{17}Cl_2N_3O$ M 314.214

(±)-*form* [72467-44-8]

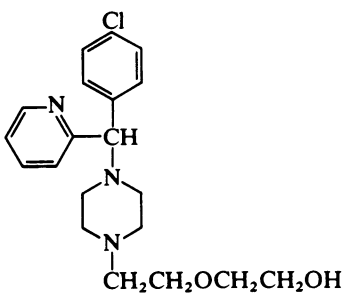
Antihypertensive agent. Cryst. (hexane). Mp 121-123°.

Ger. Pat., 2 949 971, (*1980*); *CA*, **93**, 239409x (*synth, pharmacol*)
Fregnan, G.B. *et al, J. Pharm. Pharmacol.*, 1981, **33**, 106 (*pharmacol*)

Piclopastine, INN **P-00235**

*2-[2-[4-[(4-Chlorophenyl)-2-pyridinylmethyl]-2-piperazinyl]ethoxy]ethanol, 9CI. 2-[2-[4-(*p-*Chloro-α-2-pyridylbenzyl)-1-piperazinyl]ethoxy]ethanol, 8CI*

[55837-13-3]



$C_{20}H_{26}ClN_3O_2$ M 375.897

(±)-*form*

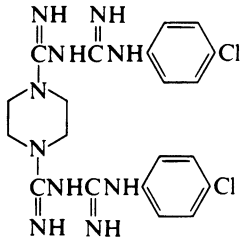
Antihistamine. Mp 175-176° (as hydrochloride).

Fr. Pat., 1 383 719, (*1965*); *CA*, **62**, 16272h (*synth*)

Picloxydine, BAN, INN **P-00236**

N,N″-Bis[(4-chlorophenyl)amidino]-1,4-piperazinedicarboximidamide, 9CI. 1,1′-[1,4-Piperazinediylbis(iminocarbonyl)]bis[-(p-chlorophenyl)guanidine]. Vitabact

[5636-92-0]



$C_{20}H_{24}Cl_2N_{10}$ M 475.383

Antifungal, antibacterial agent.

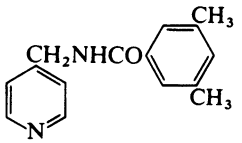
Ger. Pat., 2 106 167, (*1971*); *CA*, **75**, 140886s (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2269.

Picobenzide, INN **P-00237**

3,5-Dimethyl-N-(4-pyridinylmethyl)benzamide, 9CI. Dosetil. M-14012-4

[51832-87-2]



$C_{15}H_{16}N_2O$ M 240.304

Neuroleptic, antiinflammatory agent. Cryst. (C_6H_6/Et_2O). Mp 104-106°.

N-Oxide: [72583-99-4].

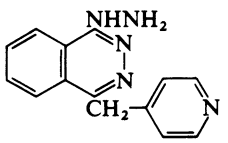
Ger. Pat., 2 329 895, (*1974*); *CA*, **80**, 95743h (*synth, pharmacol*)

Braña, M.F. *et al*, *Arch. Farmacol. Toxicol.*, 1978, **4**, 237 (*synth*)

Picodralazine, INN **P-00238**

1-Hydrazino-4-(4-pyridylmethyl)phthalazine, 9CI

[17692-43-2]



$C_{14}H_{13}N_5$ M 251.290

Peripheral vasodilator, sympatholytic agent. Mp 261-264°.

B,2HCl: Cryst. + $1H_2O$ (EtOH aq.). Mp 279-281°.

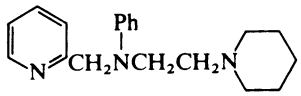
Ger. Pat., 1 061 788, (*1959*); *CA*, **55**, 13458c (*synth, pharmacol*)

Schuler, W. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **128**, 431 (*pharmacol*)

Picoperine, INN **P-00239**

1-[2-[N-(2-Pyridylmethyl)anilino]ethyl]piperidine, 8CI. N-Phenyl-N-[2-(1-piperidinyl)ethyl]-2-pyridinemethanamine, 9CI. Picoperidamine. TAT-3

[21755-66-8]



$C_{19}H_{25}N_3$ M 295.427

Antitussive. Pale yellow liq. Bp_4 195-196°.

B,HCl: [24699-40-9]. *Picoperidamine hydrochloride, JAN. Coben.* Cryst. with sl. bitter taste. Mp 183-185° (196-197°).

▷TN3780000.

Tripalmitate: [24656-22-2]. *Picoperidamine palmitate, JAN. Coben P.* Cryst. powder. Mp 57-60°.

▷TN3781000.

Fumarate: [29065-18-7]. Mp 144-146°.

Kasé, Y. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1916; 1970, **20**, 37 (*pharmacol*)

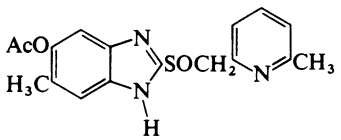
Miyano, S. *et al*, *J. Med. Chem.*, 1970, **13**, 704 (*synth, pharmacol*)

Japan. Pat., 71 12 450, (*1971*); *CA*, **75**, 63615y (*synth, fumarate*)

Picoprazole, INN **P-00240**

Methyl 6-methyl-2-[[(3-methyl-2-pyridyl)methyl]sulfinyl]-1H-benzimidazole-5-carboxylate, 9CI. H 149194

[78090-11-6]



$C_{17}H_{17}N_3O_3S$ M 343.400

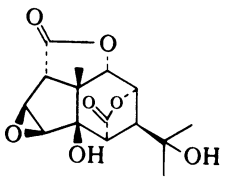
Gastric acid secretion inhibitor.

Fellenius, E. *et al*, *Nature (London)*, 1981, **290**, 159 (*pharmacol*)

Takeguchi, N. *et al*, *J. Biol. Chem*, 1986, **261**, 2560 (*activity*)

Picrotin **P-00241**

[21416-53-5]



$C_{15}H_{18}O_7$ M 310.303

Constit. of Picrotoxin, P-00242 . Cryst. (H_2O). Mp 255°. $[\alpha]_D^{16}$ −70° (EtOH).

▷TJ8800000.

Clark, E.P., *J. Am. Chem. Soc.*, 1935, **57**, 3046 (*synth*)

Craven, B.M., *Tetrahedron Lett.*, 1960, No. 19, 21 (*struct*)

Corey, E.J. *et al*, *Tetrahedron Lett.*, 1980, 1823 (*synth*)

Picrotoxin **P-00242**

[124-87-8]

$C_{30}H_{34}O_{13}$ M 602.591

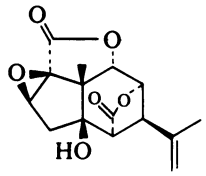
Equimolar compd. of Picrotin, P-00241 and Picrotoxinin, P-00243 . Bitter principle from berries of the shrubs *Anamirta cocculus, Menispermum cocculus* and other spp. Powerful nonspecific CNS stimulant; GABA antagonist. Used in neurochemical research. Cryst. (EtOH). Mp 203-204°. $[\alpha]_D^{12}$ −30° (H_2O).

▷TJ9100000.

Clark, E.P., *J. Am. Chem. Soc.*, 1935, **57**, 1111 (*synth*)
Coscia, C.J., *Cyclopentanoid Terpene Derivatives*, (*Taylor, W.I. et al*, Ed.), 1969, Dekker, N.Y., 147 (*rev*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 5841 (*synth*)

Picrotoxinin P-00243

[17617-45-7]



Absolute configuration

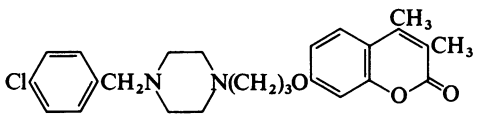
$C_{15}H_{16}O_6$ M 292.288
Constit. of Picrotoxin, P-00242 . An ichthyotoxin. Cryst. (H_2O). Mp 209.5°.
▷PC5150000.

Conroy, H., *J. Am. Chem. Soc.*, 1957, **79**, 5550 (*struct*)
Porter, L.A., *Chem. Rev.*, 1967, **67**, 441 (*rev*)
Corey, E.J. *et al*, *J. Am. Chem. Soc.*, 1978, **101**, 5841 (*synth*)
Mackay, M.F. *et al*, *Aust. J. Chem.*, 1983, **36**, 2111, 2219 (*cryst struct*)

Picumast, BAN, INN P-00244

7-[3-[4-(4-Chlorophenyl)methyl]-1-piperazinyl]-propoxy]-3,4-dimethyl-2H-1-benzopyran-2-one, *9CI. 7-[3-[4-(p-Chlorobenzyl)-1-piperazinyl)propoxy]-3,4-dimethylcoumarin*

[39577-19-0]



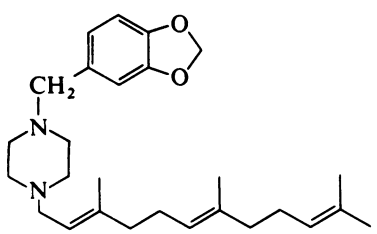
$C_{25}H_{29}ClN_2O_3$ M 440.969
Antiinflammatory, antiallergic agent. Cryst. (2-propanol). Mp 112-114°.
B,2HCl: [39577-20-3]. *BM 15100.* Cryst. (EtOH aq.). Mp 266-268°.

Ger. Pat., 2 123 924, (*1972*); *CA*, **78**, 43521y (*synth, pharmacol*)
Roesch, A. *et al*, *Br. J. Pharmacol.*, 1976, **57**, 438P (*pharmacol*)
Gonsior, E. *et al*, *Int. J. Clin. Pharmacol. Biopharm.*, 1979, **17**, 283 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2498.

Pifarnine, USAN, INN P-00245

1-(1,3-Benzodioxol-5-ylmethyl)-4-(3,7,11-trimethyl-2,6,10-dodecatrienyl)piperazine, *9CI. Pifazin. U 27*

[56208-01-6]



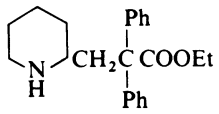
$C_{27}H_{40}N_2O_2$ M 424.625
Gastric ulcer drug with antisecretory props. Light-yellow visc. liq.
▷TM2648000.

Tricerri, S. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 555; 1975, **10**, 585 (*synth, pharmacol*)
Bianchetti, A. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 580 (*pharmacol*)
Guadagnini, G. *et al*, *Pharm. Ind.*, 1976, **38**, 296 (*uv, ir, pmr*)
Riva, M. *et al*, *Farmaco, Ed. Prat.*, 1979, **34**, 542 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13115.

Pifenate, BAN, INN P-00246

α,α-Diphenyl-2-piperidinepropionic acid ethyl ester, *9CI. Ethyl 2,2-diphenyl-3-(2-piperidyl)propionate*

[15686-87-0]

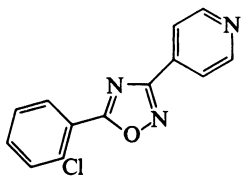


$C_{22}H_{27}NO_2$ M 337.461
Analgesic.
B,HCl: AGN 197. Cryst. (EtOH/Et_2O). Mp 173-174.5°.
B.P., 939 019, (*1963*); *CA*, **60**, 2905 (*synth, pharmacol*)

Pifexole, INN P-00247

4-[5-(o-Chlorophenyl)-1,2,4-oxadiazol-3-yl]pyridine, *8CI. RJ-64*

[27199-40-2]



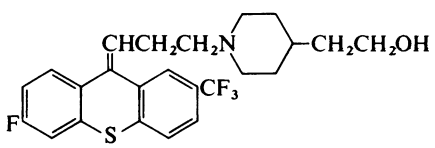
$C_{13}H_8ClN_3O$ M 257.679
Muscle relaxant. Cryst. (EtOH). Mp 111°.
▷US7205000.
B,CH_3I: Cryst. (EtOH). Mp 247°.

Ger. Pat., 1 920 037, (*1970*); *CA*, **74**, 13156u (*synth, pharmacol*)
Leszkovszky, G. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1778 (*pharmacol*)
Gyarmati, L. *et al*, *Pharmazie*, 1976, **31**, 246 (*metab*)

Piflutixol, INN P-00248

1-[3-[6-Fluoro-2-(trifluoromethyl)-9H-thioxanthene-9-ylidene]propyl]-4-piperidineethanol, *9CI. Pitixol*

[54341-02-5]



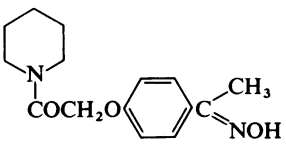
$C_{24}H_{25}F_4NOS$ M 451.521
Serotonin antagonist, antiemetic, neuroleptic.
▷TM8800000.
Oxalate: Mp 142-144°.

Burt, D.R. *et al*, *Mol. Pharmacol.*, 1976, **12**, 800 (*pharmacol*)
Ger. Pat., 2 631 389, (*1977*); *CA*, **87**, 23059m (*synth, pharmacol*)
Nielson, I.M. *et al*, *Arch. Pharmacol. Toxicol.*, 1977, **41**, 369 (*pharmacol*)
Reboul, J.P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 277 (*struct*)

Pifoxime, INN **P-00249**

1-[(p-Acetylphenoxy)acetyl]piperidine p-oxime, 8CI. 1-[[4-[1-(Hydroxyimino)ethyl]phenoxy]acetyl]piperidine. Pixifenide. Flamanil. SW 77

[31224-92-7]



$C_{15}H_{20}N_2O_3$ M 276.335

Antiinflammatory agent, analgesic, antipyretic. Mp 168°.

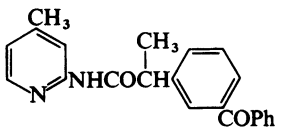
▷AM9700000.

Ger. Pat., 2 003 430, (*1970*); *CA*, **74**, 3409d (*synth, pharmacol*)
De Cointet, P. *et al*, *Chim. Ther.*, 1973, **8**, 574 (*synth, pharmacol*)
Tran Qui Duc, *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 2237 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2694.

Piketoprofen, INN **P-00250**

3-Benzoyl-α-methyl-N-(4-methyl-2-pyridinyl)-benzeneacetamide, 9CI. m-*Benzoyl-N-(4-methyl-2-pyridyl)hydratropamide. Calmatel*

[60576-13-8]



$C_{22}H_{20}N_2O_2$ M 344.412

(±)-*form*

Analgesic, antiinflammatory agent. Oil.

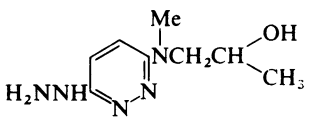
B,HCl: [59512-37-7]. Mp 180-182°.

B.P., 1 436 502, (*1976*); *CA*, **86**, 43691 (*synth*)
Spickett, R.G.W. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 7 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19662.

Pildralazine, INN **P-00251**

6-[(2-Hydroxypropyl)methylamino]-3(2H)-pyridazinone hydrazone, 9CI. 1-[(6-Hydrazino-3-pyridazinyl)methylamino]-2-propanol. Propyldazine. Atensil. ISF 2123

[64000-73-3]



$C_8H_{15}N_5O$ M 197.239

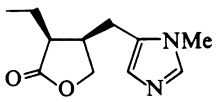
(±)-*form*

Amine oxidase inhibitor, antihypertensive agent.

B,2HCl: Mp 185-186°.

Pifferi, G. *et al*, *J. Med. Chem.*, 1975, **18**, 741 (*synth, pharmacol*)
Dorigotti, L. *et al*, *Pharmacol. Res. Commun.*, 1976, **8**, 295 (*pharmacol*)
Szilagyi, G. *et al*, *Synth. Commun.*, 1981, **11**, 835 (*synth*)
Grote, H., *Fresenius' Z. Anal. Chem.*, 1984, **318**, 435 (*ms*)
Fischer, G. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **284**, 313 (*pharmacol*)
Noack, E. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 407 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12865.

Pilocarpine, BAN, USAN **P-00252**



$C_{11}H_{16}N_2O_2$ M 208.260

(+)-*form* [92-13-7]

Alkaloid from *Pilocarpus microphyllus* and several other *P.* spp. (Rutaceae). A widely used peripheral stimulant of the parasympathetic system, used as a miotic, especially for glaucoma, and in the treatment of nephritis. Mp 34°. Bp_5 260°. $[\alpha]_D^{20}$ +100.5° (H_2O).

▷TK1400000.

B,HCl: [54-71-7]. *Pilocarpine hydrochloride, USAN.* Mp 204-205°. Component of Pilocar.

▷TK1450000.

Picrate: Mp 159-160°.

N-*De-Me:* [127-67-3]. ***Pilocarpidine***.
$C_{10}H_{14}N_2O_2$ M 194.233
Alkaloid from the leaves of *P. jaborandi* (Rutaceae). Pharmacol. resembles that of Pilocarpine, but weaker. Syrup. Sol. H_2O. $[\alpha]_D$ +81.3° (H_2O). Dec. on dist.

N-*De-Me; B,HCl:* $[\alpha]_D$ +72° (H_2O).

N-*De-Me; B,HNO₃:* Mp 137°. $[\alpha]_D$ +73.2° (H_2O).

(±)-*form*

Synthetic.

B,HCl: Mp 208-209°.

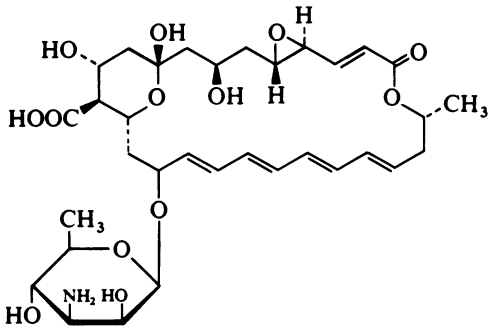
N-*De-Me:* Synthetic. Mp 128-129°.

Jowett, H.A.D., *J. Chem. Soc.*, 1900, **77**, 473, 851 (*struct*)
Burtles, R. *et al*, *J. Chem. Soc.*, 1925, **127**, 581 (*struct, Pilocarpidine*)
Späth, E. *et al*, *Ber.*, 1925, **58**, 513 (*struct, Pilocarpidine*)
Preobrashenski, N.A. *et al*, *Ber.*, 1933, **66**, 1536; 1936, **69**, 1835 (*synth, Pilocarpidine*)
Hill, R.K. *et al*, *Tetrahedron*, 1966, **22**, 2889 (*abs config*)
Ben-Bassat, A. *et al*, *Isr. J. Chem.*, 1972, **10**, 385 (*uv, ir, pmr, ms*)
de Graw, J.I., *Tetrahedron*, 1972, **28**, 967 (*synth*)
Simeral, L. *et al*, *Org. Magn. Reson.*, 1974, **6**, 26 (*cmr*)
Brockmann-Hanssen, E. *et al*, *Planta Med.*, 1975, **28**, 1 (*biosynth*)
Noordam, A. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1981, **100**, 441 (*synth*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 385 (*rev, uv, ir, pmr, cmr, ms, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4526, 4525.

Pimaricin P-00253

Natamycin, *BAN, INN, USAN. Mycophyt. Myprozine. Natacyn. Natafucin. Pimafucin. Pimafugin. Synogil. Tennecetin. Tymasil. A 5283. CL 12625. Antibiotic A 5283*

[7681-93-8]



$C_{33}H_{47}NO_{13}$ M 665.733

Polyene antibiotic. Isol. from *Streptomyces natalensis* and other spp. Shows antifungal, antiviral and antimicrobial props. Permitted agent in USA for surface treatment of cheeses as mould-inhibitor. Cryst. (MeOH aq.). Mp 200°. Acid hydrol. → Mycosamine.

▷TK3325000.

N-*Ac:* Mp 200°. $[\alpha]_D^{25}$ +230°.

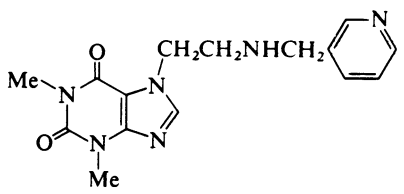
Me ester: [52555-04-1]. Mp 270-280°. $[\alpha]_D^{26}$ +94.0° (DMF).

Struyk, A.P. *et al, Antibiot. Ann.*, 1957, 878 (*isol*)
Brik, H. *et al, J. Antibiot.*, 1976, **29**, 632.
Ceder, O. *et al, Tetrahedron*, 1977, **33**, 2703 (*struct, config*)
Pandey, R.C. *et al, J. Antibiot.*, 1977, **30**, 158 (*synth*)
Bogan, J.A., *Drugs of Today*, 1978, **14**, 254 (*rev*)
Hempel, A. *et al, Z. Kristallogr., Kristallgeom., Kristallphys., Kristallchem.*, 1978, **146**, 315 (*cryst struct*)
Brik, H., *Anal. Profiles Drug Subst.*, 1981, **10**, 513 (*rev*)
Radics, L. *et al, Tetrahedron*, 1982, **38**, 183 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2593.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2232.

Pimefylline, INN P-00254

3,7-Dihydro-1,3-dimethyl-7-[2-[(3-pyridinylmethyl)-amino]ethyl]-1H-purine-2,6-dione, 9CI. 7-[2-[(2-Pyridylmethyl)amino]ethyl]theophylline. ES 771

[10001-43-1]



$C_{15}H_{18}N_6O_2$ M 314.346

Coronary vasodilator, muscle relaxant. Cryst. (isopropyl acetate). Mp 111-112°.

▷XH6494000.

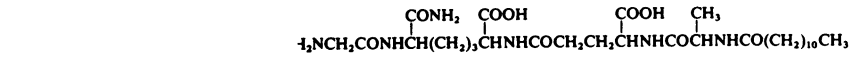
Nicotinate: [10058-07-8]. *ES 902. Teonicon.* Cryst. (EtOH). Mp 159-160°.

Netherlands Pat., 6 600 250, (*1966*); *CA*, **65**, 18600g (*synth*)
Ciaceri, G. *et al, Gazz. Med. Ital.*, 1973, **132**, 108 (*pharmacol*)
Suter, H. *et al, Pharm. Acta Helv.*, 1973, **48**, 133 (*props*)
Pitrè, D., *Farmaco, Ed. Prat.*, 1974, **29**, 46 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13117.

Pimelautide, INN P-00255

Glycyl-6-carboxy-N⁶-[N-[N-(1-oxododecyl)-L-alanyl]-D-γ-glutamyl]-threo-DL-lysinamide, 9CI. Lauroyltetrapeptide. LTP. RP 40639

[78512-63-7]



$C_{29}H_{52}N_6O_9$ M 628.765

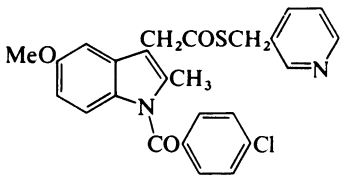
Immunostimulant.

B.P., 2 053 231, (*1981*); *CA*, **96**, 69436 (*synth*)

Pimetacin, INN P-00256

S-(3-Pyridinylmethyl) 1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-ethanethioic acid, 9CI. 1-(p-Chlorobenzoyl)-5-methoxy-2-methyl-3-indoleacetic acid 3-pyridylmethyl thioester

[79992-71-5]



$C_{25}H_{21}ClN_2O_3S$ M 464.966

Antithrombotic antiinflammatory agent. Mp 127-128°.

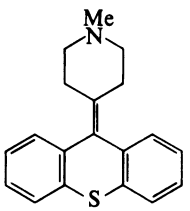
B,HCl: [82175-75-5]. Cryst. (MeOH/Et_2O). Mp 159-161°.

Eur. Pat., 47 358, (*1982*); *CA*, **97**, 23624y (*synth*)

Pimethixene, INN P-00257

1-Methyl-4-(9H-thioxanthen-9-ylidene)piperidine, 9CI. 1-Methyl-4-(thioxanthen-9-ylidene)piperidine, 8CI. Audicalm. Calmixen. Metixopan. Sedosil. Zaditen (old form)

[314-03-4]



$C_{19}H_{19}NS$ M 293.426

Antihistaminic, sedative, bronchospasmolytic agent. Cryst. (hexane). Mp 120-122°.

▷TN1575000.

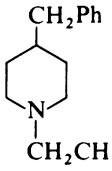
Maleate: [13187-06-9]. *BP 400.* Mp 180.3-182.8°.

B.P., 942 876, (*1963*); *CA*, **61**, 1841 (*synth*)
Ragland, J.B. *et al, Anal. Chem.*, 1964, **36**, 1356 (*spectra*)
Engelhardt, E.L. *et al, J. Med. Chem.*, 1965, **8**, 829 (*synth, pharmacol*)
Eckert, H. *et al, Arzneim.-Forsch.*, 1970, **20**, 1712 (*metab*)
Engelhardt, G., *Arzneim.-Forsch.*, 1975, **25**, 1723 (*pharmacol*)
Alhadeff, M., *Drugs of Today*, 1977, **13**, 501 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13118.

Pimetine, INN **P-00258**

N,N-*Dimethyl-4-(phenylmethyl)-1-piperidineethanamine*, *9CI*. *4-Benzyl-1-[2-(dimethylamino)ethyl]-piperidine*, *8CI*

[3565-03-5]



$C_{16}H_{26}N_2$ M 246.395

Antihyperlipoproteinaemic agent. $Bp_{0.5}$ 135-140°.

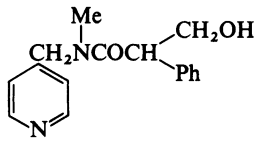
B,2HCl: [4991-68-8]. *Pimetine hydrochloride*, *USAN*. *IN 379*. *NSC 528880*. Mp >270°.

Gray, A.P. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3805 (*synth, pharmacol*)
O'Dell, T.B. *et al*, *Circulation Res.*, 1964, **10**, 904 (*pharmacol*)
Cohen, B.M. *et al*, *J. New Drugs*, 1966, **6**, 162 (*pharmacol*)

Pimetremide, INN **P-00259**

α-(*Hydroxymethyl*)-N-*methyl*-N-(*3-pyridinylmethyl*)-*benzeneacetamide*, *9CI*. N-*Methyl-2-phenyl*-N-(*3-pyridylmethyl*)*hydracrylamide*, *8CI*

[578-89-2]



$C_{16}H_{18}N_2O_2$ M 270.330

(±)-form

Spasmolytic agent.

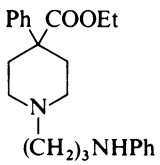
B,HBr: [1674-95-9]. Mp 131-132°.

U.S.P., 2 798 075, (*1957*); *CA*, **52**, 449f (*synth, pharmacol*)

Piminodine, BAN, INN **P-00260**

4-Phenyl-1-[3-(phenylamino)propyl]-4-piperidinecarboxylic acid ethyl ester, *9CI*. *1-(3-Anilinopropyl)-4-phenylisonipecotic acid ethyl ester*, *8CI*. *Alvodine*. *Anopridine*. *Cimadon*. *Pimadin*. *NIH 7590*. *Win 14098*

[13495-09-5]



$C_{23}H_{30}N_2O_2$ M 366.502

Narcotic analgesic. Can be addictive.

B,2HCl: Mp 219.4-222.2°.

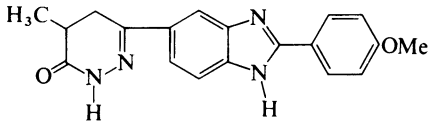
Ethanesulphonate (1:1): [5714-77-2].

Elpern, B. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 3784 (*synth*)
Woods, L.A. *et al*, *Toxicol. Appl. Pharmacol.*, 1961, **3**, 358 (*pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agr. Chem.*, 1964, **47**, 918 (*ir*)
Pearl, J. *et al*, *J. Pharmacol. Exp. Ther.*, 1968, **160**, 217 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6258.

Pimobendan, INN **P-00261**

4,5-Dihydro-6-[2-(4-methoxyphenyl)-1H-benzimidazol-5-yl]-5-methyl-3(2H)-pyridazinone, *9CI*. *UD-CG 115-BS*

[74150-27-9]



$C_{19}H_{18}N_4O_2$ M 334.377

Cardiotonic, antihypertensive agent.

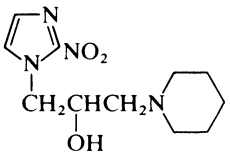
B,HCl: [74149-75-0]. Mp 311-314°.

Ger. Pat., 2 837 161, (*1980*); *CA*, **93**, 46705g (*synth, pharmacol*)
Von Meel, J.C.A., *Arzneim.-Forsch.*, 1985, **35**, 284 (*pharmacol*)
Verdouw, P.D. *et al*, *Eur. J. Pharmacol.*, 1986, **126**, 121 (*pharmacol*)
Duncker, D.J. *et al*, *Br. J. Pharmacol.*, 1987, **91**, 609 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19663.

Pimonidazole, BAN, INN **P-00262**

α-[(*2-Nitro-1H-imidazol-1-yl*)*methyl*]-*1-piperidineethanol*, *9CI*. *1-(2-Nitroimidazol-1-yl)-3-piperidinopropan-2-ol*. *Ro 038799*

[70132-50-2]



$C_{11}H_{18}N_4O_3$ M 254.288

Radiosensitising agent; antitumour agent. Pale-yellow cryst. (EtOH). Mp 110-112°.

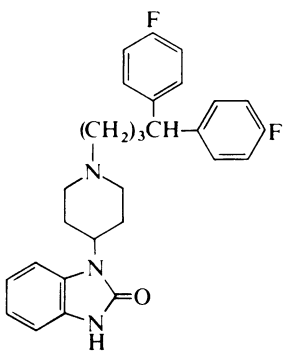
B,HCl: [70132-51-3]. Cream microcryst. Mp 144-145° dec.

B.P., 2 003 154, (*1979*); *CA*, **90**, 186950w (*synth*)
Hill, R.P., *Int. J. Radiat. Oncol., Biol., Phys.*, 1986, **12**, 1049 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 510.

Pimozide, BAN, USAN, INN, JAN **P-00263**

1-[1-[4,4-Bis(4-fluorophenyl)butyl]-4-piperidinyl]-1,3-dihydro-2H-benzimidazol-2-one, *9CI*. *Antalon*. *Norofren*. *Opiran*. *Oralep*. *Orap*. *Pimotid*. *Pirium*. *McN-JR 6238*. *R 6238*. *SM 7354*

[2062-78-4]



$C_{28}H_{29}F_2N_3O$ M 461.553

Tranquilliser. Antipsychotic. Insol. H_2O, sol. dil. acids. Mp 214-218°. pK_a 7.32.

▷DE1750000.

Fr. Pat., M3695, (*1965*), *CA*, **66**, 115709 (*synth, pharmacol*)
Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 261, 279, 282 (*pharmacol*)
Soudijn, W. *et al*, *Life Sci.*, 1969, **8**, 291 (*metab*)
Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)
Givant, Y. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1973, **205**, 317 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 234 (*uv*)
Datta, N. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 675 (*cryst struct*)
Fillers, J.P. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 81 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7087.

Pinacidil, USAN, INN **P-00264**

N-Cyano-N′-4-pyridinyl-N″-(1,2,2-trimethylpropyl)-guanidine, *9CI. P 1134*

[60560-33-0]



$C_{13}H_{19}N_5$ M 245.327

▷MF0230000.

(±)-*form*

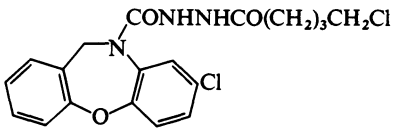
Antihypertensive agent, vasodilator. Cryst. + $1H_2O$ (EtOH aq.). Mp 110°, Mp 163-164° anhydr.

Petersen, H.J. *et al*, *J. Med. Chem.*, 1978, **21**, 773 (*synth, pharmacol*)
Eilertsen, E. *et al*, *Xenobiotica*, 1982, **12**, 177, 187 (*metab, pharmacol*)
Hansen, E.T. *et al*, *Synth. Commun.*, 1984, **14**, 1275 (*synth*)
Cohen, M.L., *Drug Dev. Res.*, 1986, **9**, 249 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16954.

Pinadoline, INN, USAN **P-00265**

1-[[8-Chlorodibenz[b,f][1,4]oxazepine-10(11H)-yl]-carboxylic acid 2-(5-chlorovaleryl)hydrazide, *8CI. 1-(5-Chloropentanoyl)-2-(8-chloro-10,11-dihydrodibenz[b,f][1,4]oxazepine-10-carbonyl)-hydrazine. SC 25469*

[38955-22-5]



$C_{19}H_{19}Cl_2N_3O_3$ M 408.283

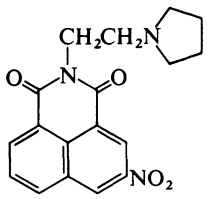
Antiinflammatory agent. Analgesic. Mp 148-149°.

U.S.P., 3 992 375, (*1976*); *CA*, **86**, 72718 (*synth, pharmacol*)

Pinafide, INN **P-00266**

5-Nitro-2-[2-(1-pyrrolidinyl)ethyl]-1H-benz[de]-isoquinoline-1,3-(2H)-dione, *9CI. 3-Nitro-N-[2-(1-pyrrolidinyl)ethyl]naphthalimide. Parfren. M 12210*

[54824-20-3]



$C_{18}H_{17}N_3O_4$ M 339.350

Rodenticide and antiprotozoal agent.

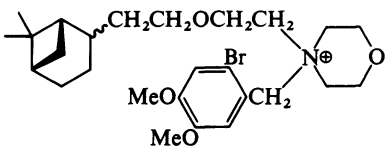
B,HCl: [96807-46-4]. Mp 315-316°.

Brana, M.F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 207 (*synth, pharmacol*)
Zee-Cheng, R.K.Y. *et al*, *J. Med. Chem.*, 1985, **28**, 1216 (*synth, pharmacol*)

Pinaverium(1+) **P-00267**

4-[(2-Bromo-4,5-dimethoxyphenyl)methyl]-4-[2-[2-(6,6-dimethylbicyclo[3.1.1]hept-2-yl)ethoxy]ethyl]-morpholinium, *9CI. 4-(6-Bromoveratryl)-4-[2-[2-(6,6-dimethyl-2-norpinyl)ethoxy]ethyl]morpholinium*

[59995-65-2]



$C_{26}H_{41}BrNO_4^{\oplus}$ M 511.518 (ion)

Spasmolytic agent. Local anaesthetic.

Bromide: [53251-94-8]. *Pinaverium bromide*, *INN. Dicetal. Dicetel. Eldicet. L 1717. LAT 1717.*

$C_{26}H_{41}Br_2NO_4$ M 591.422

Cryst. (2-butanone). Mp 181°.

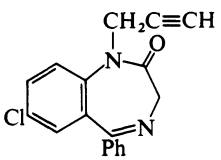
▷QF2810000.

Baronnet, R. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 182; 1978, **13**, 61 (*synth, pharmacol*)
Neuman, H., *Drugs of Today*, 1977, **13**, 239 (*rev*)
Bretaudeau, J. *et al*, *J. Pharmacol.*, 1980, **11**, 233 (*pharmacol*)
Borchers, F. *et al*, *Anal. Chem. Symp. Ser.*, 1981, **7**, 39 (*metab*)
Itoh, Z. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1450 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13119.

Pinazepam, INN **P-00268**

7-Chloro-1,3-dihydro-5-phenyl-1-(2-propynyl)-2H-1,4-benzodiazepin-2-one, *9CI. Domar. Duna. Z 905*

[52463-83-9]



$C_{18}H_{13}ClN_2O$ M 308.767

Tranquilliser. Cryst. (MeOH aq.). Mp 140-142°.

▷DF2375000.

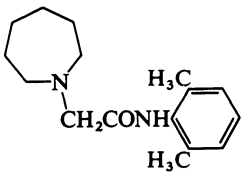
U.S.P., 3 842 094, (*1972*); *CA*, **83**, 79292s (*synth, pharmacol*)
Scrollini, F. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 934 (*tox, pharmacol*)

Trebbi, A. *et al*, *J. Chromatogr.*, 1975, **110**, 309 (*glc, ms*)
Fillippi, G. *et al*, *Boll. Chim. Farm.*, 1979, **118**, 105 (*props*)
Cazaux, L. *et al*, *Org. Magn. Reson.*, 1983, **21**, 190 (*cmr, conformn*)
Pacifici, G.M. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1983, **3**, 331 (*metab*)
Janbroers, J.M., *Clin. Ther.*, 1984, **6**, 434 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7088.

Pincainide, INN **P-00269**

N-(2,6-Dimethylphenyl)hexahydro-1H-azepine-1-acetamide, 9CI. 2,3,4,5,6,7-Hexahydro-1H-azepine-1-aceto-2',6'-xylidide. IQB-M 81

[83471-41-4]



$C_{16}H_{24}N_2O$ M 260.378

Local anaesthetic, antiarrhythmic agent. Cryst. (pet. ether). Mp 90-91°.

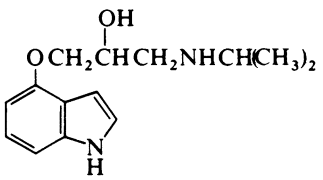
B,HCl: [86574-32-5]. Mp 179-180°.

Iovu, M. *et al*, *Rev. Chim. (Bucharest)*, 1982, **33**, 601 (*synth, pharmacol*)
Ger. Pat., 3 240 908, (*1983*); *CA*, **99**, 70585n (*synth, pharmacol*)
Barrigon, S. *et al*, *Eur. J. Pharmacol.*, 1983, **95**, 93; 1985, **111**, 227 (*pharmacol*)

Pindolol, BAN, USAN, INN, JAN **P-00270**

1-(1H-Indol-4-yloxy)-3-[(1-methylethyl)amino]-2-propanol, 9CI. 1-(Indol-4-yloxy)-3-(isopropylamino)-2-propanol, 8CI. Prindolol. Visken. Other proprietary names

[13523-86-9]



$C_{14}H_{20}N_2O_2$ M 248.324

▷UB6660000.

(R)-form [68374-35-6]

Cryst. (C_6H_6). Mp 94-96;° Mp 168-170°. $[\alpha]_D^{16}$ +4.9° (c, 1 in MeOH). Double melting point.

(±)-form [21870-06-4]

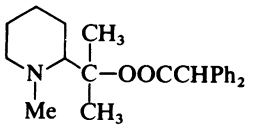
Vasodilator. Mp 175-176°.

Giudicelli, J.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1969, **168**, 116 (*pharmacol*)
Rivier, J.-L. *et al*, *Therapie*, 1970, **25**, 245 (*pharmacol*)
Seemann, F. *et al*, *Helv. Chim. Acta*, 1971, **54**, 2411 (*synth*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 234 (*uv*)
Tsuda, Y. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 3593 (*synth*)
Aellig, W.H., *Am. Heart. J.*, 1982, **104**, 333 (*rev, pharmacol*)
Frishman, W.H., *N. Engl. J. Med.*, 1983, **308**, 904 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3266 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6319.

Pinolcaine, INN **P-00271**

α-Phenylbenzeneacetic acid 1-methyl-1-(1-methyl-2-piperidinyl)ethyl ester, 9CI. 1,α,α-Trimethyl-2-piperidinemethanol diphenylacetate. 1-Methyl-1-(1-methyl-2-piperidyl)ethyl diphenyl acetate. Seristan

[19509-13-8]



$C_{23}H_{29}NO_2$ M 351.488

(+)-form [28240-18-8]

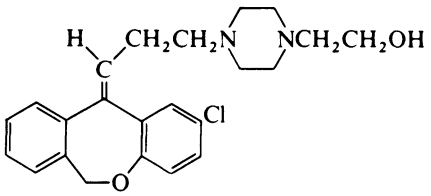
Local anaesthetic.

B,HCl: Mp 177°.

B.P., 1 110 637, (*1968*); *CA*, **69**, 77119c (*synth, pharmacol*)
Bernardi, L. *et al*, *Experientia*, 1969, **25**, 1019 (*pharmacol*)
South African Pat., 6 808 476, (*1969*); *CA*, **72**, 136430j (*synth, pharmacol*)

Pinoxepin, INN **P-00272**

4-[3-(2-Chlorodibenz[b,e]oxepin-11(6H)-ylidene)-propyl]-1-piperazineethanol, 9CI, 8CI



$C_{23}H_{27}ClN_2O_2$ M 398.932

(Z)-form [14008-66-3]

Tranquilliser used for treatment of schizophrenia. Neuroleptic.

B,2HCl: [14008-46-9]. *Pinoxepin hydrochloride, USAN. P 5227.* Cryst. (EtOH aq.). Mp 257-259°.

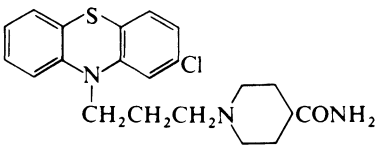
▷TL7000000.

B.P., 1 085 406, (*1969*); *CA*, **75**, 140978y (*synth*)
Holden, J.M.C. *et al*, *J. Clin. Pharmacol. J. New Drugs*, 1969, **9**, 163 (*pharmacol*)
U.S.P., 3 514 449, (*1970*); *CA*, **73**, 35404 (*isom*)

Pipamazine, BAN, USAN, INN **P-00273**

1-[3-(2-Chloro-10H-phenothiazin-10-yl)propyl]-4-piperidinecarboxamide, 9CI. 1-[3-(2-Chlorophenothiazin-10-yl)propyl]isonipecotamide, 8CI. Mornidine. Nausidol. Nometine. RP 9153. SC 9387

[84-04-8]



$C_{21}H_{24}ClN_3OS$ M 401.953

Tranquilliser, antiemetic. Mp 139°.

▷NS4900000.

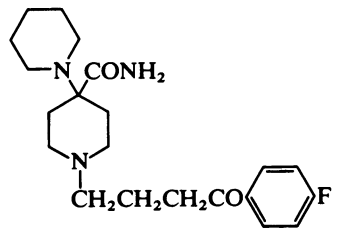
B,HCl: Mp ca. 196-197°.

U.S.P., 2 957 870, (*1961*); *CA*, **55**, 8438 (*synth*)
Bhargava, K.P. *et al*, *Br. J. Pharmacol.*, 1963, **21**, 436 (*pharmacol*)
Azzaro, M. *et al*, *Bull. Soc. Chim. Fr.*, 1967, 1977 (*nmr*)
Gilbert, J.N.T. *et al*, *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7089.

Pipamperone, BAN, USAN, INN **P-00274**

1′-[4-(4-Fluorophenyl)-4-oxobutyl] [1,4′-bipiperidine]-4′-carboxamide, 9CI. Carpiperone. Floropipamide. Fluoropipamide. Dipiperal. Dipiperon. Piperonil. Piperonyl. Propitan. McN-JR 3345. R 3345

[1893-33-0]



$C_{21}H_{30}FN_3O_2$ M 375.485

Antipsychotic. Neuroleptic agent.

▷DW1050000.

B,2HCl: [2448-68-2]. *Floropipamide hydrochloride, JAN.* Mp 124.5-126°.

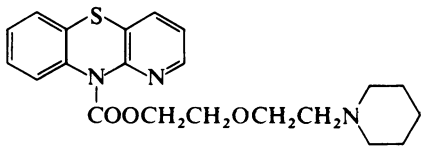
▷DW1060000.

Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1961, **11**, 819, 932 (*pharmacol*)
Van de Westeringh, C. *et al, J. Med. Chem.*, 1964, **7**, 619 (*synth, props*)
Declercq, J.P. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 628 (*cryst struct*)
Leferink, J.G. *et al, J. Assoc. Off. Anal. Chem.*, 1977, **60**, 21 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7090.

Pipazethate, BAN, USAN **P-00275**

10H-Pyrido[3,2-b] [1,4]benzothiazine-10-carboxylic acid 2-[2-(1-piperidinyl)ethoxy]ethyl ester, 9CI. ***Pipazetate, INN****. Dipect. Lenopect. Selvignon. Selvigon. Theratuss. Toraxan. D 254. LG 254. SKF 70230A. SQ 15874*

[2167-85-3]



$C_{21}H_{25}N_3O_3S$ M 399.507

Antitussive. Used as hydrochloride.

B,HCl: [6056-11-7]. Pale-yellow cryst. (2-propanol). Insol. Me_2CO, sol. H_2O, MeOH. Mp 160-161°.

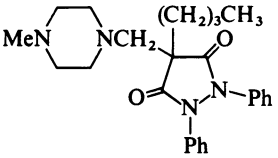
▷UU8400000.

Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Schuler, W.A. *et al, Justus Liebigs Ann. Chem.*, 1964, **673**, 102 (*synth*)
Vakil, B.J. *et al, Clin. Pharmacol. Therap.*, 1966, **7**, 515 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5629.

Pipebuzone, INN **P-00276**

4-Butyl-4-[(4-methyl-1-piperazinyl)methyl]-1,2-diphenyl-3,5-pyrazolidinedione, 9CI. Elarzone. LD 4644

[27315-91-9]



$C_{25}H_{32}N_4O_2$ M 420.553

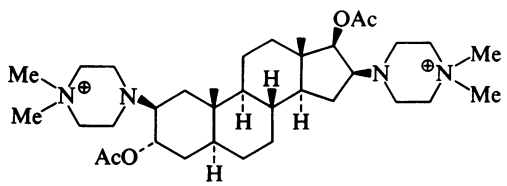
Antiinflammatory agent; analgesic. Mp 129°.

Ger. Pat., 1 958 722, (*1970*); *CA*, **73**, 25460v (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2691.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7309.

Pipecuronium(2+), INN **P-00277**

4,4′-[3α,17β-Bis(acetyloxy)-5α-androstane-2β,16β-diyl]bis[1,1-dimethylpiperazinium], 9CI. 4,4′-(3α,17β-Dihydroxy-5α-androstan-2β,16β-ylene)bis[1,1-dimethylpiperazinium] diacetate. Pipecurium(2+)

[68399-58-6]



$C_{35}H_{62}N_4O_4^{\oplus\oplus}$ M 602.899 (ion)

Muscle relaxant.

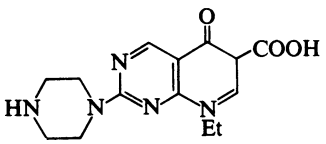
Dibromide: [52212-02-9]. *Arduan. RGH 1106.*
$C_{35}H_{62}Br_2N_4O_4$ M 762.707
Cryst. + $2H_2O$ (CH_2Cl_2/Me_2CO). Mp 262-264° dec. $[\alpha]_D^{25}$ +8.1° (c, 1 in H_2O).

Tuba, Z. *et al, Arzneim.-Forsch.*, 1980, **30**, 342 (*synth, props*)
Kolwas, J., *Drugs of Today*, 1982, **18**, 23 (*rev*)
Agoston, S. *et al, Clin. Anaesthesiol.*, 1985, **3**, 361 (*rev*)
Savarese, J.J. *et al, Semin. Anesth.*, 1986, **5**, 304 (*rev*)

Pipemidic acid, INN, JAN **P-00278**

8-Ethyl-5,8-dihydro-5-oxo-2-(1-piperazinyl)-pyrido[2,3-d]pyrimidine-6-carboxylic acid. Piperamic acid. Pipram. 1489 RB. Antibiotic 1489 RB. Numerous proprietary names

[51940-44-4]



$C_{14}H_{17}N_5O_3$ M 303.320

Broad-spectrum antibiotic, used clinically. Nontoxic. Shows hypertensive props. Yellowish bitter-tasting hygroscopic cryst. or cryst. + $3H_2O$. Mp 260°. LD_{50} 5-6 g/kg.

▷UV1153800.

B,HCl: [54785-58-9]. Mp >300°.

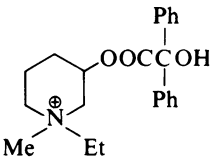
Ger. Pat., 2 338 325, (*1974*); *CA*, **80**, 120990 (*synth*)
Matsumoto, J. *et al, J. Med. Chem.*, 1975, **18**, 74 (*synth*)
Shimizu, K. *et al, Chemotherapy (Tokyo)*, 1975, **23**, 2717, 2906 (*props*)

Koch, H. *et al*, *Pharm. Int.*, 1980, **1**, 108 (*rev, pharmacol*)
Klinge, E. *et al*, *Antimicrob. Agents Chemother.*, 1984, **26**, 69 (*props*)
Fonseca, I. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1618 (*cryst struct*)
Xi, S. *et al*, *CA*, 1986, **104**, 207225 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5666.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3181.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2243.

Pipenzolate(1+) P-00279

1-Ethyl-3-[(hydroxydiphenylacetyl)oxy]-1-methylpiperidinium, *9CI*. *1-Ethyl-3-hydroxy-1-methylpiperidinium benzilate*, *8CI*

[13473-38-6]



$C_{22}H_{28}NO_3^{\oplus}$ M 354.468 (ion)
Antispasmodic, anticholinergic agent.

▷TN5424000.

Bromide: [125-51-9]. *Pipenzolate bromide*, *BAN*, *INN*. *Pipral*. *Numerous proprietary names.*
$C_{22}H_{28}BrNO_3$ M 434.372
Cryst. (2-butanone). Mp 179-180°.

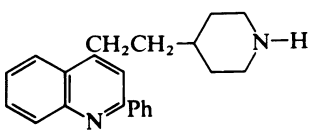
▷TN5425000.

Biel, J.H. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 1485 (*synth*)
Chen, J.Y.P. *et al*, *J. Pharmacol. Exp. Ther.*, 1954, **112**, 64 (*pharmacol*)
Long, J.P. *et al*, *J. Am. Pharm. Assoc.*, 1954, **43**, 616 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6663 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 404.

Pipequaline, INN P-00280

2-Phenyl-4-[2-(4-piperidinyl)ethyl]quinoline, *9CI*. *PK 8165*

[77472-98-1]



$C_{22}H_{24}N_2$ M 316.445
Anxiolytic agent.

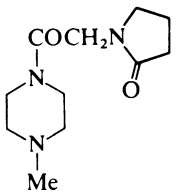
B,HCl: Mp 219°.

Eur. Pat., 31 753, (*1981*); *CA*, **96**, 122650 (*synth*)
Le Fur, G. *et al*, *Life Sci.*, 1981, **28**, 1439 (*pharmacol*)
Gee, K.W., *J. Pharmacol. Exp. Ther.*, 1987, **240**, 747 (*pharmacol*)
Koshikawa, N. *et al*, *Neuropharmacology*, 1987, **26**, 1343 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19665.

Piperacetam P-00281

1-Methyl-4-[(2-oxo-1-pyrrolidinyl)acetyl]piperazine, *9CI*

[84762-34-5]



$C_{11}H_{19}N_3O_2$ M 225.290
Nootropic (cognition enhancer).

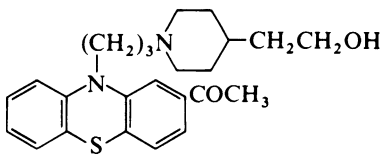
Maleate (1:1): [80702-92-7]. *VUFB 13763*. Cryst. (2-propanol/ether). Mp 138-142°.

Dlabac, A. *et al*, *Act. Nerv. Super.*, 1981, **23**, 218 (*props*)
Czech. Pat., 199 314, (*1982*); *CA*, **98**, 89386 (*synth, props*)
Krejci, I. *et al*, *Act. Nerv. Super.*, 1984, **26**, 103 (*props*)

Piperacetazine, USAN, INN P-00282

1-[10-[3-[4-(2-Hydroxyethyl)-1-piperidinyl]propyl]-10H-phenothiazin-2-yl]ethanone, *9CI*. *10-[3-[4-(2-Hydroxyethyl)piperidino]propyl]phenothiazin-2-yl methyl ketone*, *8CI*. *Actazine*. *Psymod*. *Quide*. *PC 1421*. *SC 9794*

[3819-00-9]



$C_{24}H_{30}N_2O_2S$ M 410.573
Tranquilliser, antipsychotic. Mp 98-100°.

▷OB4200000.

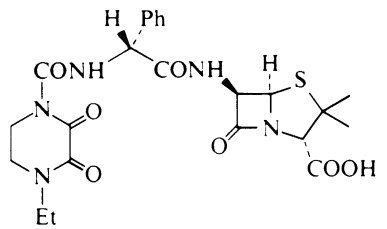
B,HCl: Cryst. (EtOAc). Mp 100-110°.

Stach, K. *et al*, *Monatsh. Chem.*, 1962, **93**, 1090 (*synth*)
Weaver, L.C. *et al*, *Toxicol. Appl. Pharmacol.*, 1963, **5**, 49 (*pharmacol*)
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1966, **55**, 144 (*uv, ir, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7091.

Piperacillin, INN, JAN P-00283

Avocin. *Cypercil*. *Ivacin*. *Pentcillin*. *Peracillin*. *Pipcil*. *Pipracil*. *Pipril*. *CL 227193*. *T 1220*. *Antibiotic CL 227193*. *Antibiotic T 1220*

[61477-96-1]



$C_{23}H_{27}N_5O_7S$ M 517.556
Semisynthetic penicillin. Clinically used antibiotic, available under many different trade names.

Na salt: [59703-84-3]. *Piperacillin sodium*, *USAN*. Mp 183-185° dec.

▷XI0180000.

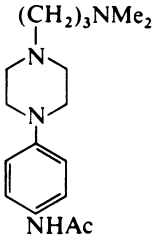
Ger. Pat., 2 519 400, (*1976*); *CA*, **85**, 33052 (*synth*)

Holmes, B. *et al*, *Drugs*, 1984, **28**, 375 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 133.

Piperamide, INN P-00284

N-[*4*-[*4*-[*3*-(*Dimethylamino*)*propyl*]-*1*-*piperazinyl*]-*phenyl*]*acetamide*, *9CI*. *4'*-[*4*-[*3*-(*Dimethylamino*)-*propyl*]-*1*-*piperazinyl*]*acetanilide*, *8CI*

[299-48-9]



$C_{17}H_{28}N_4O$ M 304.434

Anthelmintic.

Dimaleate: [1252-69-3]. *Piperamide maleate*, *USAN*. *CL 54131*. Mp 147-149° dec.

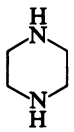
▷AE2275000.

Belg. Pat., 637 271, (*1964*); *CA*, **62**, 11830h (*synth*, *pharmacol*)
Tomcufcik, A.S. *et al*, *Nature* (*London*), 1965, **205**, 605 (*pharmacol*)

Piperazine, 9CI P-00285

Hexahydropyrazine. Numerous proprietary names

[110-85-0]



$C_4H_{10}N_2$ M 86.136

Anthelmintic, freq. administered as derivs. Hygroscopic plates (EtOH) with salty taste. V. sol. H_2O, EtOH, insol. Et_2O. Mp 106°. Bp 146°. pK_a 4.19.

▷Irritant, causes burns. TK7800000.

Hexahydrate: [142-63-2]. Cryst. Mp 44°. Bp 125-130°.

▷TM0850000.

B,2PhOH: Prisms (EtOH). Mp 99-101°.

B,H_3PO_4: [14538-56-8]. Cryst. + $1H_2O$. Mp 224-226°.

Adipate (*1:1*): [142-88-1]. Prisms. Mp 256-257°.

▷MO1955000.

Citrate (*3:2*): [144-29-6]. *Piperazine citrate*, *USAN*. *Antepar*. *Bryrel*. *Oxucide*. Cryst. Dec. at 183-187°.

▷TL3485000.

Calcium edetate: [12002-30-1]. *Piperazine calcium edetate*, *INN*, *BAN*. *Justelmin*. *Perin*.
$C_{14}H_{24}CaN_4O_8$ M 416.446
Cryst. + $2H_2O$. Dec. at >185°.

Tartrate: [133-36-8]. *Piperate*. *Veroxil*. Cryst. Dec. at 258-263°.

Compd. with 2,4,5-Trichlorophenol (*1:2*): [5714-82-9]. *Triclofenol piperazine*, *BAN*, *USAN*. *Ranestol*. *CI 416*. *NSC 77747*. Cryst. (C_6H_6/pet. ether). Mp 109-110°.

▷SN2670000.

N-*Ac:* [13889-98-0].
$C_6H_{12}N_2O$ M 128.174
Mp 52°.

N-*Ac; B,HCl:* Mp 181°.

N,N'-*Di-Ac:* [18940-57-3].
$C_8H_{14}N_2O_2$ M 170.211
Hygroscopic needles or plates (pet. ether). Mp 144°.

▷TL3499000.

N-*Me:* [109-01-3]. *1-Methylpiperazine*.
$C_5H_{12}N_2$ M 100.163
Bp 134-136°, Bp 140°.

▷Mod. toxic, flammable. TM1225000.

N-*Me; B,HCl:* [51545-09-6]. Cryst. + H_2O. Mp 82.5-83.0°.

N-*Me, dipicrate:* Mp 272° dec.

N,N'-*Di-Me:* [106-58-1]. *1,4-Dimethylpiperazine*.
$C_6H_{14}N_2$ M 114.190
Bp 131-132°.

▷TL5945000.

N,N'-*Me; B,2HCl:* [1003-71-0]. Cryst. + $^2/_3H_2O$. Mp 251.5-253°.

N,N'-*Di-Me, picrate:* Mp 280°.

1,4-Dinitroso: [140-79-4].
$C_4H_8N_4O_2$ M 144.133
Cream-coloured cryst. (H_2O). Mp 156-158°.

▷Carcinogenic. TL6300000.

1,4-Dinitro: [4164-37-8].
$C_4H_8N_4O_4$ M 176.132
Needles (H_2O or EtOAc). Mp 214.8-215°.

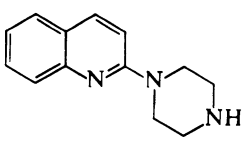
▷TL6290000.

Kitchen, L.J. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 854 (*synth*)
Martin, W.B. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 1817 (*synth*)
Davies, M.T. *et al*, *J. Pharm. Pharmacol.*, 1954, **6**, 707, 711 (*Adipate*)
Hefferren, J.J. *et al*, *J. Am. Pharm. Assoc.*, 1955, **44**, 678 (*citrate, tartrate*)
George, M.V. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 1200 (*dinitro*)
U.S.P., 2 834 782, (*1958*); *CA*, **52**, 15570i (*calcium edetate*)
Short, F.W. *et al*, *J. Med. Chem.*, 1962, **5**, 642 (*Triclofenol*)
Lambert, J.B. *et al*, *J. Org. Chem.*, 1969, **34**, 4142 (*dinitroso*)
Lanum, W.J. *et al*, *J. Chem. Eng. Data*, 1969, **14**, 93 (*props*)
Yokozeki, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 2352 (*struct*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1978, **2**, 295 (*rev*)
Vanier, M. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 914 (*Adipate*)
Sekido, K. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 741 (*cryst struct, dinitroso*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 392.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 234.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 799, 800, 801, 802, 803, 817.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 830, 916.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 449.

2-(1-Piperazinyl)quinoline, 9CI, 8CI P-00286

Quipazine, INN

[4774-24-7]



$C_{13}H_{15}N_3$ M 213.282

Antiparkinsonian drug, antidepressant, oxytocic agent. Mp 82-83°.

Maleate (1:1): [5786-68-5]. *Quipazine maleate, USAN. MR 1291.*

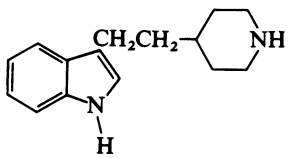
▷VC2515000.

Leeling J.L. *et al, J. Pharm. Sci.*, 1965, **54**, 1736.
Hong, E. *et al, J. Pharmacol. Exp. Ther.*, 1966, **153**, 259 (*pharmacol*)
Hong, E. *et al, Eur. J. Pharmacol.*, 1969, **2**, 274 (*pharmacol*)
Vorbruggen, H. *et al, Chem. Ber.*, 1984, **117**, 1523 (*synth*)

3-[2-(4-Piperidinyl)ethyl]-1*H*-indole, 9CI P-00287

Indalpine, BAN, INN. *LM 5008*

[63758-79-2]



$C_{15}H_{20}N_2$ M 228.336

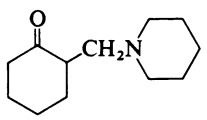
Antidepressant. Mp 159°.

Le Fur, G. *et al, Biochem. Pharmacol.*, 1977, **26**, 497 (*pharmacol*)
Gueremy, C. *et al, J. Med. Chem.*, 1980, **23**, 1306 (*synth, pharmacol*)
Leger, J.M. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 2857 (*cryst struct*)
Jozelczak, C. *et al, J. Chromatogr.*, 1982, **230**, 87 (*hplc*)

2-(1-Piperidinylmethyl)cyclohexanone, 9CI P-00288

Pimeclone, INN. *Karion. Spiractin. NA 66. Nu 582*

[534-84-9]



$C_{12}H_{21}NO$ M 195.304

▷GW2080000.

(±)-*form*

Respiratory stimulant. Bp_{14} 118-120°, Bp_6 124°.

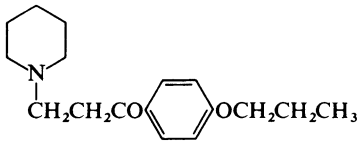
B,HCl: [6966-09-2]. Cryst. (2-propanol). Mp 161-165°.

Mannich, C. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1927, **265**, 598 (*synth, pharmacol*)
Dimroth, K. *et al, Ber.*, 1940, **73**, 1399 (*synth*)
Dornow, A. *et al, Chem. Ber.*, 1955, **88**, 1340 (*synth*)
Porszasz, J., *Acta Physiol. Acad. Sci. Hung.*, 1958, **14**, 375 (*pharmacol*)
Vecerkova, J. *et al, J. Chromatogr.*, 1963, **10**, 479 (*chromatog*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13116.

3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone, 9CI P-00289

3-Piperidino-4'-propoxypropiophenone, 8CI. ***Propipocaine, INN.*** *Exofalicain. Exotancain. Falicain (new). Ophthafalicain. Urocomb-Gel*

[3670-68-6]



$C_{17}H_{25}NO_2$ M 275.390

Local anaesthetic.

▷UH4412000.

B,HCl: [1155-49-3]. Mp 165-166°.

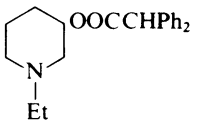
▷UH4420000.

U.S.P., 2 771 391, (*1956*); *CA*, **52**, 11957d (*synth, pharmacol*)
Büchi, J. *et al, Arzneim.-Forsch.*, 1960, **10**, 297 (*props, pharmacol*)

Piperidolate, BAN, INN P-00290

α-Phenylbenzeneacetic acid 1-ethyl-3-piperidinyl ester, 9CI. JB 305

[82-98-4]



$C_{21}H_{25}NO_2$ M 323.434

Anticholinergic, antispasmodic and analgesic. Liq.

▷AH2900000.

(±)-*form*

$Bp_{0.18}$ 191-192°.

B,HCl: [129-77-1]. *Crapinon. Dactil. Dactilake. Dactilate. Dactiran. Edelal.* Mp 195-196°.

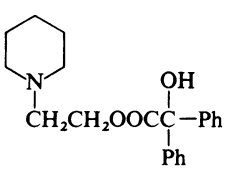
▷AH2975000.

Biel, J.H. *et al, J. Am. Chem. Soc.*, 1952, **74**, 1485 (*synth*)
Chen, J.Y.P. *et al, J. Pharmacol. Exp. Ther.*, 1952, **104**, 269 (*pharmacol*)
Abood, L.G. *et al, Arch. Int. Pharmacodyn. Ther.*, 1959, **120**, 186 (*pharmacol*)
Guy, J.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1974, 101 (*cryst struct*)
Marozzi, E. *et al, Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Peterson, B.A. *et al, J. Forensic Sci.*, 1976, **21**, 279 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 405.

Piperilate P-00291

α-Hydroxy-α-phenylbenzeneacetic acid 2-(1-piperidinyl)ethyl ester, 9CI. 2-Piperidinoethyl benzilate. ***Pipethanate, INN.*** *Sycotrol. Numerous tradenames*

[4546-39-8]



$C_{21}H_{25}NO_3$ M 339.433

Spasmolytic, anticholinergic agent.

B,HCl: [4544-15-4]. *Pensanate.* Mp 170-171°.

▷DD4200000.

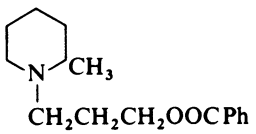
B,EtBr: Pipethanate ethobromide. Panpurol. Mp 218-220°.

Ford-Moore, A.H. *et al, J. Chem. Soc.*, 1947, 55 (*synth, pharmacol*)
Fr. Pat., M3354, (*1965*); *CA*, **63**, 13162g (*synth*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6166 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13123.

Piperocaine, BAN, INN P-00292

2-Methyl-1-piperidinepropanol benzoate ester, 9CI, 8CI. Isocaine. Meticaine. Metycaine. Neothesin

[136-82-3]



$C_{16}H_{23}NO_2$ M 261.363

(±)-form

Local anaesthetic. Cocaine substitute. Oil.

B,HCl: [533-28-8]. Mp 172-175°.

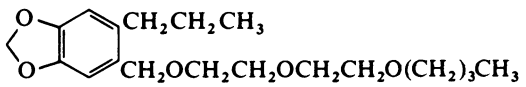
▷TN3325000.

McElvain, S.M., *J. Am. Chem. Soc.*, 1927, **49**, 2835 (*synth*)
Vandam, L.D., *New Engl. J. Med.*, 1960, **263**, 748 (*rev*)
Thompson, W.E. *et al, J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Fike, W.W., *Anal. Chem.*, 1966, **38**, 1697 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7641.

Piperonyl butoxide, BAN, BSI P-00293

5-[2-(2-Butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole, 9CI. α-[2-(2-Butoxyethoxy)ethoxy]-4,5-(methylenedioxy)-2-propyltoluene, 8CI. P.B. Dressing. Butacide. ENT 14250

[51-03-6]



$C_{19}H_{30}O_5$ M 338.443

Vet. acaricide, insecticide, pyrethrin synergist. Misc. MeOH, EtOH, C_6H_6. Bp_1 180°.

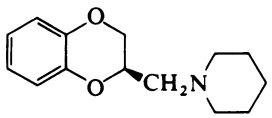
▷XS8050000.

Wachs, H., *Science (Washington)*, 1947, **105**, 530 (*synth*)
Brook, J.P., *Pyrethrum Post*, 1967, **9**, 30 (*pharmacol*)
Fabrycy, A. *et al, Pryzem. Chem.*, 1971, **50**, 173 (*synth*)
Gore, R.C. *et al, J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*uv, ir*)
Pesticide Manual, 6th Ed., 429.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3603.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 917.

Piperoxan, BAN, INN P-00294

1-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-piperidine, 9CI. Benzodioxan-Nordmark. 933 F

[59-39-2]



(R)-form
Absolute configuration

$C_{14}H_{19}NO_2$ M 233.310

▷DF4150000.

***(R)*-form** [61045-70-3]

B,HCl: [62501-80-8]. Cryst. (EtOH/Et_2O). Mp 181-184°.

***(S)*-form** [61045-71-4]

B,HCl: [62501-77-3]. Cryst. (EtOH/Et_2O). Mp 182-185°.

(±)-form

Adrenergic blocking agent, diagnostic aid used in studies of hypertension. Bp_{17} 193°.

B,HCl: [135-87-5]. *Benodaine hydrochloride.* Mp 232-236°. Darkens at 220°.

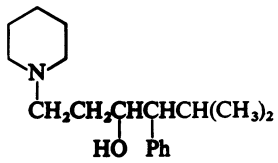
▷TM4550000.

U.S.P., 2 056 046 (*1936*); *CA*, **30**, 8530 (*synth*)
Nelson, W.L. *et al, J. Med. Chem.*, 1977, **20**, 880 (*synth, abs config, cd, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 918.

Piperphenidol, INN P-00295

5-Methyl-4-phenyl-1-(1-piperidyl)-3-hexanol. α-(α-Isopropylbenzyl)-1-piperidinepropanol

[90-23-3]



$C_{18}H_{29}NO$ M 275.433

Anticholinergic agent.

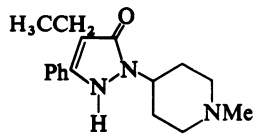
B,HCl: [6091-56-1]. *Reltine.* Mp 140-142°.

Levine, R.M. *et al, J. Pharmacol. Exp. Ther.*, 1955, **114**, 78 (*pharmacol*)
U.S.P., 2 717 895, (*1955*); *CA*, **50**, 7876c (*synth*)

Piperylone, INN P-00296

4-Ethyl-1,2-dihydro-2-(1-methyl-4-piperidinyl)-5-phenyl-3H-pyrazol-3-one, 9CI. 4-Ethyl-1-(1-methyl-4-piperidyl)-3-phenyl-3-pyrazolin-5-one, 8CI. PR 66

[2531-04-6]



$C_{17}H_{23}N_3O$ M 285.388

Analgesic, antipyretic, spasmolytic. Cryst. (MeOH/Et_2O). Mp 162-163°. pK_{a1} 5.90, pK_{a2} 9.15.

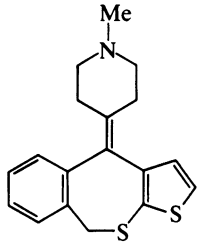
B,HBr: Cryst. (MeOH/Et_2O). Mp 194-197° dec.

Ebnother, A. *et al, Helv. Chim. Acta*, 1959, **42**, 1201 (*synth, pharmacol*)
Danielak. R. *et al, Acta Pol. Pharm.*, 1968, **25**, 33 (*chromatog*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3846.

Pipethiadene P-00297

1-Methyl-4-thieno[2,3-c] [2]benzothiepin-4(9H)-ylidenepiperidine, *9CI*

[15053-99-3]



$C_{18}H_{19}NS_2$ M 313.475

Antidepressant and antimigraine agent. Cryst. (EtOH). Mp 162-164°.

Tartrate (1:1): [73035-29-7]. *Pipethiadene tartrate. VUFB 12384.* Cryst. (EtOH aq.). Mp 228-231° dec.

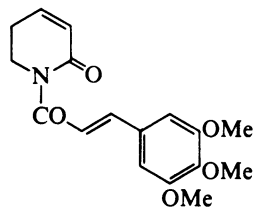
Maleate (1:1): [15185-97-4]. *Perithiadene. VUFB 5937.* Cryst. (EtOH). Mp 133-136°.

Polivka, Z. *et al*, *Collect. Czech. Chem. Commun.*, 1983, **48**, 623 (*synth, pharmacol*)
Queisnerova, M. *et al*, *Act. Nerv. Super.*, 1984, **26**, 87 (*metab*)
Lapka, R. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 486.

Piplartine P-00298

5,6-Dihydro-1-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-2(1H)-pyridinone, *9CI*. *N-(3,4,5-Trimethoxycinnamoyl)-Δ^3-piperidin-2-one. Piperlongumine*

[20069-09-4]



$C_{17}H_{19}NO_5$ M 317.341

Alkaloid from the roots of *Piper longum* and *P. sylvaticum* (Piperaceae). Effective drug for treatment of asthma and chronic bronchitis. Needles ($EtOH/Et_2O$). Mp 124°. Isomeric Δ^5 struct. originally proposed.

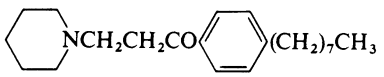
Tetrahydro: Prisms (Et_2O). Mp 83-84°.

Chatterjee, A. *et al*, *Tetrahedron*, 1967, **23**, 1769 (*isol, uv, ir, pmr*)
Joshi, B.S. *et al*, *Tetrahedron Lett.*, 1968, 2395 (*pmr, struct*)
Banerji, J. *et al*, *Phytochemistry*, 1974, **13**, 2327 (*isol*)
Banerjee, T. *et al*, *Can. J. Chem.*, 1986, **64**, 876 (*cryst struct*)

Pipoctanone, INN P-00299

4'-Octyl-3-piperidinopropiophenone, *8CI*

[18841-58-2]



$C_{22}H_{35}NO$ M 329.525

Coronary vasodilator, antihypertensive agent.

B,HCl: [18787-40-1]. *Nioben. N 1113.* Mp 158-160°.

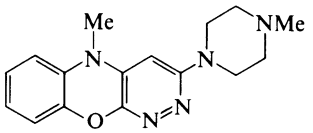
▷UH4395000.

Ger. Pat., 1 916 055, (*1969*); *CA*, **72**, 12580p (*synth, pharmacol*)
Karpati, E. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1011 (*pharmacol*)

Pipofezine, INN P-00300

5-Methyl-3-(4-methyl-1-piperazinyl)-5H-pyridazino[3,4-b] [1,4]benzoxazine, *9CI*, *8CI*

[24886-52-0]



$C_{16}H_{19}N_5O$ M 297.359

Antidepressant. Mp 195-196°.

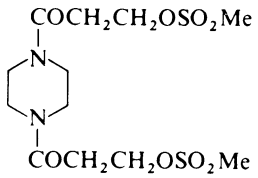
B,2HCl: [24853-80-3]. *Asaphen. Azafen. Azaphen. Azaxazin.* Mp 315-317°.

Fr. Pat., 1 576 534, (*1969*); *CA*, **72**, 100733w (*synth, pharmacol*)
Mashkovskii, M.D. *et al*, *Farmakol. Toksikol.*, 1969, **32**, 656 (*pharmacol*)
Kutchak, S.N. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 291 (*tox*)
Sinyukhin, V.N., *Farmakol. Toksikol.*, 1973, **36**, 409 (*metab*)

Piposulfan, USAN, INN P-00301

1,4-Bis[3-[(methylsulfonyl)oxy]-1-oxopropyl]-piperazine, *9CI*. *1,4-Dihydracryloylpiperazine dimethanesulfonate*, *8CI*. *Ancyte. A 20968. NSC 47774*

[2608-24-4]



$C_{12}H_{22}N_2O_8S_2$ M 386.434

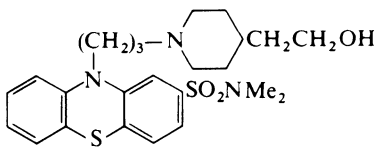
Antineoplastic agent, aquatic herbicide. Cryst. (H_2O). Mp 175-177°.

McNair, T.J. *et al*, *J. Surg. Res.*, 1964, **3**, 130 (*pharmacol*)
U.S.P., 3 293 253, (*1966*); *CA*, **66**, 55516r (*synth, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1858.

Pipothiazine, BAN P-00302

10-[3-[4-(2-Hydroxyethyl)-1-piperidinyl]propyl]-N,N-dimethyl-10H-phenothiazine-2-sulfonamide, *9CI*. ***Pipotiazine, INN***. *Piportil. RP 19366*

[39860-99-6]



$C_{24}H_{33}N_3O_3S_2$ M 475.663

Neuroleptic.

O-*Hexadecanoyl:* [37517-26-3]. *Pipotiazine palmitate, USAN. Lonseren. Piportil L4. Piportyl palmitate. FI 6927. IL 19552. RP 19552.*

$C_{40}H_{63}N_3O_4S_2$ M 714.075

Neuroleptic.

O-*Hexadecanoyl, oxalate:* Mp 134°.

O-*(10-Undecenoyl):* [22178-11-6]. *Pipotiazine undecylenate. Mi-Lonseren. Piportil M2. Piportyl undecylenate. RP 19551.*

$C_{35}H_{51}N_3O_4S_2$ M 641.926

Neuroleptic. Mp 58-59°.

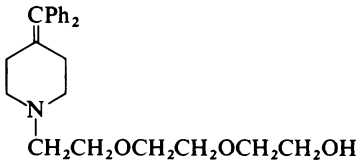
O-(*10-Undecenoyl*), *oxalate:* Mp 126°.

South African Pat., 68 01 990, (*1968*); *CA*, **70**, 106542 (*derivs*)
Fr. Pat., M7 835, (*1970*); *CA*, **78**, 43499x (*synth*)
Julou, L. *et al*, *Acta Psychiat. Scand. Suppl.*, 1973, **241**, 9 (*pharmacol*)
Bourat, G. *et al*, *Med. Chem., Proc. Int. Symp., 5th, 1976*, 1977, 105 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7092, 7093, 7094.

Pipoxizine, INN P-00303

2-[2-[2-[4-(Diphenylmethylene)-1-piperidinyl]ethoxy]-ethoxy]ethanol, *9CI*, *8CI*

[55837-21-3]



$C_{24}H_{31}NO_3$ M 381.514

Antiarrhythmic agent, antihistamine, bronchodilator, antiserotinin.

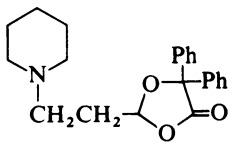
B,HCl: [29958-58-5]. *Respacal. UCBC 325.* Cryst. (2-propanol). Mp 144-145°.

Ger. Pat., 2 016 667, (*1970*); *CA*, **74**, 13015m (*synth, pharmacol*)

Pipoxolan, BAN P-00304

5,5-Diphenyl-2-[2-(piperidinyl)ethyl]-1,3-dioxolan-4-one, *9CI*. *5,5-Diphenyl-2-(2-piperidinoethyl)-1,3-dioxolan-4-one*, *8CI*

[23744-24-3]



$C_{22}H_{25}NO_3$ M 351.444

Antispasmodic, muscle relaxant.

B,HCl: [18174-58-8]. *Pipoxolan hydrochloride*, *USAN*. *Paraespas. Rocofin. Rowapraxin. Rowell. BR 18.* Cryst. (2-propanol). Sol. H_2O. Mp 207-209°.

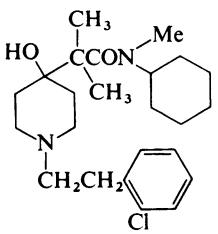
▷JI4580000.

Pailer, M. *et al*, *Monatsh. Chem.*, 1968, **99**, 891 (*synth*)
Wegenroth, H. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1855, 1860 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5240.

Pipradimadol, INN P-00305

1-[2-(2-Chlorophenyl)ethyl]-N-cyclohexyl-4-hydroxy-N,α,α-trimethyl-4-piperidineacetamide, *9CI*. *1-(o-Chlorophenethyl)-N-cyclohexyl-4-hydroxy-N,α,α-trimethyl-4-piperidineacetamide. FU 29-245*

[68797-29-5]



$C_{24}H_{37}ClN_2O_2$ M 421.022

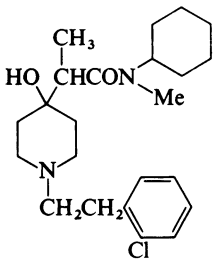
Antiserotoninergic agent, antidepressant, analgesic.

B,MeSO₃H: [83604-84-6]. Cryst. Mp 170-172°.

Huegi, B.S. *et al*, *J. Med. Chem.*, 1983, **26**, 42 (*synth, pharmacol*)

Pipramadol, INN P-00306

1-[2-(2-Chlorophenyl)ethyl]-N-cyclohexyl-4-hydroxy-N,α-dimethyl-4-piperidineacetamide, *9CI*



$C_{23}H_{35}ClN_2O_2$ M 406.995

(+)-*form* [83605-12-3]

FQ 27-096

$[\alpha]_D^{20}$ +8.6° (c, 1 in MeOH).

Maleate (1:1): [83605-13-4]. Cryst. (2-propanol). Mp 115-117°. $[\alpha]_D^{20}$ +26.4° (c, 1 in $CHCl_3$).

(±)-*form* [55313-67-2]

Analgesic.

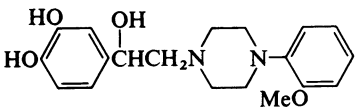
Maleate: [55313-68-3]. Cryst. (EtOH). Mp 159-161°.

Huegi, B.S. *et al*, *J. Med. Chem.*, 1983, **26**, 42 (*synth, pharmacol*)

Pipratecol, INN P-00307

4-[1-Hydroxy-2-[4-(2-methoxyphenyl)-1-piperazinyl]-ethyl]-1,2-benzenediol, *9CI*. *α-(3,4-Dihydroxyphenyl)-4-(2-methoxyphenyl)-1-piperazineethanol. JP 711. S 4216. SE 711*

[15534-05-1]



$C_{19}H_{24}N_2O_4$ M 344.410

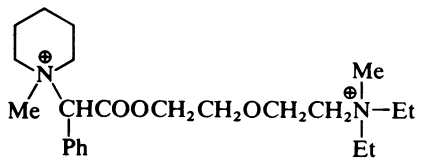
(±)-*form*

Peripheral vasodilator. Mp 213-214°.

Laubie, M. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1820 (*pharmacol*)
Regnier, G. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1698 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9274.

Piprocurarium(2+) P-00308

1-[2-[2-[2-(Diethylmethylammonio)ethoxy]ethoxy]-2-oxo-1-phenylethyl]-1-methylpiperidinium, *9CI*



$C_{23}H_{40}N_2O_3^{\oplus\oplus}$ M 392.581 (ion)

(±)-*form*

Muscle relaxant.

Iodide: [3562-55-8]. *Piprocurarium iodide*, *INN*. *Brevicurarine. LD 2480.*

$C_{23}H_{40}I_2N_2O_3$ M 646.390

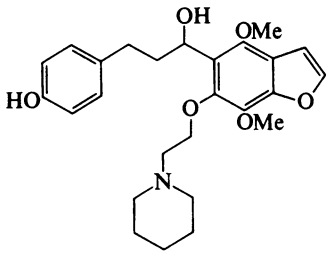
Cryst. (EtOH). Mp 196°. $Bp_{0.4}$ 186-187°.

▷TN4700630.

Cheymol, J. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1959, **248**, 1723 (*pharmacol*)
Cheymol, J. *et al*, *Arch. Int. Pharmacodyn.*, 1960, **125**, 121 (*synth, pharmacol*)
Najer, H. *et al*, *Ann. Pharm. Fr.*, 1960, **18**, 126 (*synth*)

Piprofurol, INN P-00309

4,7-Dimethoxy-α-(2,4-hydroxyphenylethyl)-6-[2-(1-piperidinyl)ethoxy]-5-benzofuranmethanol, 9CI. α-(p-Hydroxyphenethyl)-4,7-dimethoxy-6-(2-piperidineethoxy)-5-benzofuranmethanol. MD 710247



$C_{26}H_{33}NO_6$ M 455.550

(±)-form

Antihypertensive agent, coronary vasodilator. Cryst. (EtOAc). Mp 170°.

Oxalate: [40680-75-9].

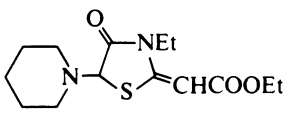
▷DF6845220.

Ger. Pat., 2 235 941, (*1973*); *CA*, **78**, 124433 (*synth*)
Fauran, C. *et al*, *Eur. J. Med. Chem.*, 1974, **9**, 81, 85 (*synth, pharmacol*)
Pourrias, B. *et al*, *J. Pharmacol.*, 1977, **8**, 125 (*pharmacol*)
Pourrias, B. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1985, **274**, 223 (*pharmacol*)

Piprozolin, USAN, INN P-00310

Ethyl [3-ethyl-4-oxo-5-(1-piperidinyl)-2-thiazolidinylidene]acetate, 9CI. Ethyl 3-ethyl-4-oxo-5-piperidino-$\Delta^{2,\alpha}$-thiazolidineacetate, 8CI. Biliserve. Coleflux. Epsyl. Eubilin. Probilin. Secrebil. Gö 919. W 3699

[17243-64-0]



$C_{14}H_{22}N_2O_3S$ M 298.399

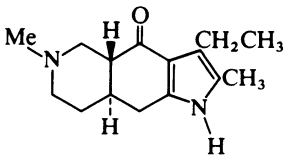
Choleretic drug. Cryst. Mp 86-87°.

▷XJ5131750.

Satzinger, G., *Justus Liebigs Ann. Chem.*, 1963, **665**, 150 (*synth*)
Koss, F.W. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1972, **198**, 312, 333 (*pharmacol*)
Satzinger, G., *Arzneim.-Forsch.*, 1977, **27**, 463 (*numerous papers*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3738.

Piquindone, INN P-00311

3-Ethyl-1,4a,5,6,7,8,8a,9-octahydro-2,6-dimethyl-4H-pyrrolo[2,3-g]isoquinolin-4-one



(4a*R*,8a*R*)-form

$C_{15}H_{22}N_2O$ M 246.352

***(4aR,8aR)*-form** [78420-92-5]

trans-(−)-*form*

B,HCl: Cryst. + $\frac{1}{4}H_2O$ (EtOH). Mp 240-245°. $[\alpha]_D^{25}$ −120.78° (c, 0.81 in H_2O).

***(4aRS,8aRS)*-form** [78541-97-6]

trans-(±)-*form. Ro 22-1319*

Antipsychotic agent. Cryst. (EtOH). Mp 261.5-263.5° dec.

B,HCl: [78541-98-7]. *Piquindone hydrochloride, USAN.* Cryst. (EtOH). Mp 222-228° dec.

***(4aSR,8aRS)*-form** [78541-99-8]

cis-(±)-*form*

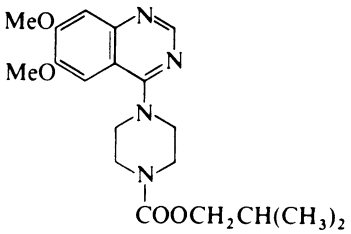
Cryst. (Me_2CO). Mp 217-218°.

Olson, G.L. *et al*, *J. Med. Chem.*, 1981, **24**, 1026 (*synth, cryst struct, pharmacol*)
Davidson, A.B. *et al*, *Psychopharmacology (Berlin)*, 1983, **79**, 32 (*pharmacol*)
Caffen, D.L. *et al*, *J. Org. Chem.*, 1984, **49**, 5109 (*synth*)
Brooks, M.A. *et al*, *J. Chromatogr.*, 1986, **375**, 349 (*hplc*)

Piquizil, INN P-00312

2-Methylpropyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, 9CI. Isobutyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, 8CI

[21560-58-7]



$C_{19}H_{26}N_4O_4$ M 374.439

Bronchodilator. Mp 151-152°.

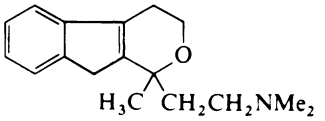
B,HCl: [23256-26-0]. *Piquizil hydrochloride, USAN. CP 12521-1.* Mp 217°.

South African Pat., 67 06 512, (*1968*); *CA*, **70**, 68419u (*synth, pharmacol*)
Brewer, T.F. *et al*, *Pharmacology*, 1971, **6**, 173 (*pharmacol, metab*)

Pirandamine, INN P-00313

1,3,4,9-Tetrahydro-N,N,1-trimethylindeno[2,1-c]-pyran-1-ethanamine, 9CI

[42408-79-7]



$C_{17}H_{23}NO$ M 257.375

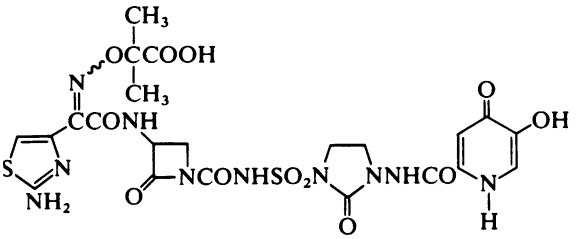
Antidepressant.

B,HCl: [42408-78-6]. *Pirandamine hydropchloride, USAN. AY 23713.* Cryst. (EtOH). Mp 266-268°.

U.S.P., 3 910 954, (*1975*); *CA*, **84**, 43844e (*synth, pharmacol*)
Jirkovsky, I. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 571 (*synth, pharmacol*)
Lippmann, W. *et al*, *Life Sci.*, 1977, **20**, 1393 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13125.

Pirazmonam, INN **P-00314**

[108319-07-9]

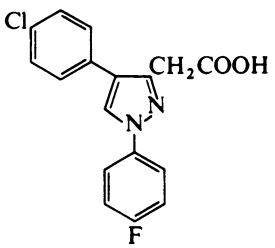


$C_{22}H_{24}N_{10}O_{12}S_2$ M 684.611
Antibiotic.
Belg. Pat., 905 502, (*1987*); *CA*, **108**, 55763e (*synth, pmr, pharmacol*)

Pirazolac, BAN, USAN, INN **P-00315**

4-(4-Chlorophenyl)-1-(4-fluorophenyl)-1H-pyrazole-3-acetic acid, 9CI. ZK 76604

[71002-09-0]

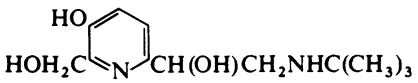


$C_{17}H_{12}ClFN_2O_2$ M 330.745
Antirheumatic, antiinflammatory agent. Cryst. (EtOH aq.). Mp 148°.
Eur. Pat., 22 906, (*1981*); *CA*, **95**, 62194 (*synth, pharmacol*)
Biere, H. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 27 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13126.

Pirbuterol, BAN **P-00316**

α⁶-[[(1,1-Dimethylethyl)amino]methyl]-3-hydroxy-2,6-pyridinedimethanol, 9CI

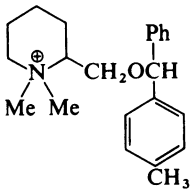
[38677-81-5]



$C_{12}H_{20}N_2O_3$ M 240.302
Bronchodilator.
▷KK0325000.
B,2HCl: [38029-10-6]. *Pirbuterol hydrochloride, USAN, JAN. CP 24314-1.* Cryst. (EtOH/isopropyl ether). Mp 182° dec.
▷US9105000.
B,AcOH: [65652-44-0]. *Pirbuterol acetate, USAN. Exirel. Exrel. CP 24314-14.*
Ger. Pat., 2 204 195, (*1972*); *CA*, **77**, 151968n (*synth, pharmacol*)
Falkner, F.C. *et al*, *Biomed. Mass Spectrom.*, 1976, **3**, 207 (*ms*)
Moore, P.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1978, **207**, 410; 1979, **208**, 371 (*pharmacol*)
Weber, R.W. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1984, **4**, 1 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3776, 13127.

Pirdonium(1+) **P-00317**

1,1-Dimethyl-2-[[(p-methyl-α-phenylbenzyl)oxy]-methyl]piperidinium, 8CI

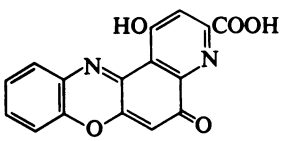


$C_{22}H_{30}NO^{\oplus}$ M 324.485 (ion)
(±)-form
Antihistamine.
Bromide: [35620-67-8]. *Pirdonium bromide, INN.*
$C_{22}H_{30}BrNO$ M 404.389
Mp 180.2-180.9°.
Iodide: [35620-65-6].
$C_{22}H_{30}INO$ M 451.390
Cryst. (Me_2CO/Et_2O). Mp 125.5-137.5°.
Ger. Pat., 2 139 099, (*1972*); *CA*, **76**, 126787 (*synth, pharmacol*)

Pirenoxine, INN **P-00318**

1-Hydroxy-5-oxo-5H-pyrido[3,2-a]phenoxazine-3-carboxylic acid, 9CI, 8CI. Pirfenoxone. Catalin

[1043-21-6]

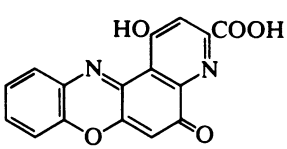


$C_{16}H_8N_2O_5$ M 308.250
Drug used for treatment of cataracts. Yellowish-orange powder. Mp 246-247° dec.
Na salt: [51410-30-1]. *Clarvisan. Clarvisor.*
▷UV1151200.
Japan. Pat., 61 7 372, (*1957*); *CA*, **56**, 2452h (*synth, pharmacol*)
Japan. Pat., 73 02 672, (*1973*); *CA*, **80**, 6959t (*synth, pharmacol*)
Ikemoto, F. *et al*, *Oyo Yakuri*, 1974, **8**, 937 (*pharmacol*)
Murata, T., *Folia Ophthalmol. Jpn.*, 1980, **31**, 1217 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13131.

Pirenoxine, INN **P-00319**

1-Hydroxy-5-oxo-5H-pyrido[3,2-a]phenoxazine-3-carboxylic acid, 9CI. 1-Hydroxypyrido[3,2-a]-5-phenoxazone-3-carboxylic acid

[1043-21-6]



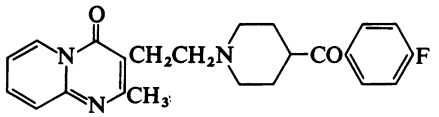
$C_{16}H_8N_2O_5$ M 308.250
Used in the treatment of cataracts. Yellow needles (Me_2CO). Mp 247-248° dec.
Na salt: [51410-30-1]. *Pirfenoxone sodium. Catalin. Clarvisan. Clarvisor.*
▷UV1151200.

Japan. Pat., 73 02 672, (*1973*); *CA*, **80**, 6959t (*synth, pharmacol*)
Korte, I. *et al*, *Ophthalmic Res.*, 1975, **7**, 440 (*metab*)
Murata, T., *Folia Ophthalmol. Jpn.*, 1980, **31**, 1217 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13131.

Pirenperone, BAN, USAN, INN P-00320

3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one, *9CI*. *R 47465*

[75444-65-4]



$C_{23}H_{24}FN_3O_2$ M 393.460

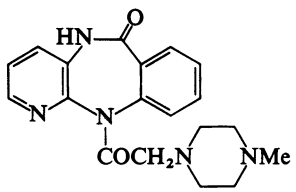
Lysergic acid antagonist, tranquilliser. Cryst. ($EtOH/Et_2O$). Mp 139°.

U.S.P., 4 342 870, (*1982*); *CA*, **98**, 16716x (*synth, pharmacol*)
Krstic, M.K. *et al*, *Arch. Int. Physiol. Biochim.*, 1983, **91**, 345 (*pharmacol*)
Colpaert, F.C. *et al*, *Eur. J. Pharmacol.*, 1984, **103**, 169 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13128.

Pirenzepine, BAN, INN P-00321

5,11-Dihydro-11-[(4-methyl-1-piperazinyl)acetyl]-6H-pyrido[2,3-b][1,4]benzodiazepin-6-one, *9CI*, *8CI*. *Gastrozepin. Numerous proprietary names*

[28797-61-7]



$C_{19}H_{21}N_5O_2$ M 351.407

Drug used for gastric ulcer treatment.

B,2HCl: [29868-97-1]. *Pirenzepine hydrochloride*, *JAN*, *USAN*. Mp 240-243°.

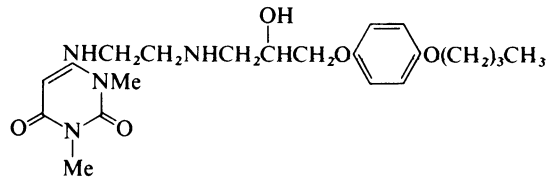
▷UU7883000.

South African Pat., 69 05 933, (*1970*); *CA*, **73**, 77292m (*synth, pharmacol*)
Eberlein, W. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 356, 684 (*pharmacol*)
Kovac, T. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 1339 (*synth*)
Ružić-Toroš, Z. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 93 (*cryst struct*)
Feng, J. *et al*, *CA*, 1984, **101**, 110880 (*synth*)
Bechtel, W.D. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 793 (*pharmacol*)
El-Obeid, H.A. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 445 (*rev, synth, anal, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5258.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13129.

Pirepolol, INN P-00322

6-[[2-[[3-(4-Butoxyphenoxy)-2-hydroxypropyl]amino]ethyl]amino]-1,3-dimethyluracil, *9CI*

[69479-26-1]



$C_{21}H_{32}N_4O_5$ M 420.508

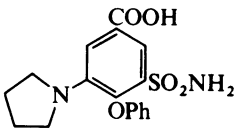
Beta-adrenergic blocking agent, antihypertensive agent. Cryst. (toluene). Mp 129°.

Ger. Pat., 2 819 629, (*1978*); *CA*, **90**, 121636d (*synth, pharmacol*)

Piretanide, BAN, INN, USAN, JAN P-00323

3-(Aminosulfonyl)-4-phenoxy-5-(1-pyrrolidinyl)-benzoic acid, *9CI*. *Arelix. Arlix. Lafax. Nefryl. Tauliz. Hoe 118. S 734118*

[55837-27-9]



$C_{17}H_{18}N_2O_5S$ M 362.400

Diuretic. Pale-yellow platelets (MeOH aq.). Mp 225-227°.

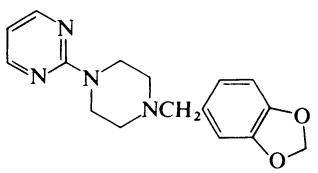
▷DG3102000.

Merkel, W. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 399 (*synth, pharmacol*)
Marsh, J.D. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1984, **4**, 170 (*rev, pharmacol*)
Clissold, S.P. *et al*, *Drugs*, 1985, **29**, 489 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13130.

Piribedil, INN P-00324

2-[4-(1,3-Benzodioxol-5-ylmethyl)-1-piperazinyl]-pyrimidine, *9CI*. *2-(4-Piperonyl-1-piperazinyl)-pyrimidine*, *8CI*. *Trivastal. ET 495. EU 4200*

[3605-01-4]



$C_{16}H_{18}N_4O_2$ M 298.344

Dopamine receptor agonist, antiparkinsonian agent. Peripheral vasodilator. Cryst. (EtOH). Mp 98°.

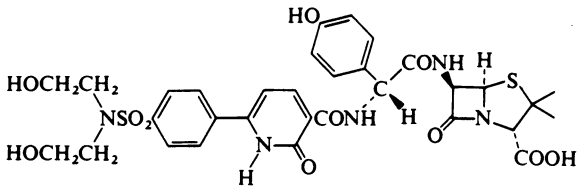
▷UV9704000.

Regnier, G. *et al*, *J. Med. Chem.*, 1968, **11**, 1151 (*synth, pharmacol*)
Jenner, P. *et al*, *J. Pharm. Pharmacol.*, 1973, **25**, 749 (*metab*)
Fanelli, R. *et al*, *J. Chromatogr.*, 1974, **93**, 441 (*glc*)
Sweet, R.D. *et al*, *Clin. Pharmacol. Ther.*, 1974, **16**, 1077 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Clin. Pharm.*, 1978, **46**, 62 (*polymorphism*)
Dourish, C.T., *Prog. Neuro-Psychopharmacol. Biol. Psychiatry*, 1983, **7**, 3 (*rev, pharmacol*)
Quinn, N.P., *Drugs*, 1984, **28**, 236 (*rev*)

Wolinski, J. *et al*, *Acta Pol. Pharm.*, 1984, **41**, 525 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4551.

Piridicillin, INN **P-00325**

[69414-41-1]



$C_{32}H_{35}N_5O_{11}S_2$ M 729.775

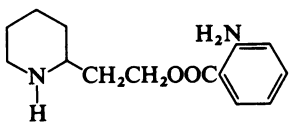
Semisynthetic. Shows broad spectrum of antibiotic activity.

Mono-Na salt: [69402-03-5]. *Piridicillin sodium, USAN. CI 867.* Sesquihydrate. $[\alpha]_D^{23}$ +140° (MeOH).

U.S.P., 4 101 661, (*1978*); *CA*, **90**, 103940 (*synth*)
Ger. Pat., 2 824 341, (*1978*); *CA*, **91**, 157729 (*synth*)
Kaltenbronn, J.S. *et al*, *J. Antibiot.*, 1979, **32**, 621 (*synth, pmr, props*)
Weaver, S.S. *et al*, *Antimicrob. Agents Chemother.*, 1980, **18**, 939 (*props*)

Piridocaine, INN **P-00326**

2-Piperidineethanol 2-aminobenzoate, 9CI. 2-(2-Piperidyl)ethyl anthranilate. Lucaine. PT 14



$C_{14}H_{20}N_2O_2$ M 248.324

(±)-*form*

Spinal anaesthetic.

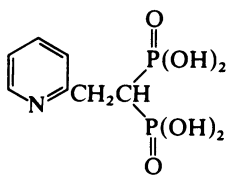
B,HCl: Cryst. (EtOH). Mp 209-211°.

Walter, L.A. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 1713 (*synth, pharmacol*)
Hunt, W.H. *et al*, *Anesthesiology*, 1940, **1**, 305 (*pharmacol*)

Piridronic acid, INN **P-00327**

[2-(2-Pyridinyl)ethylidene]bis[phosphonic acid], 9CI

[75755-07-6]



$C_7H_{11}NO_6P_2$ M 267.115

Calcium regulator, used in treatment of osteoporosis. Mp 264-270°.

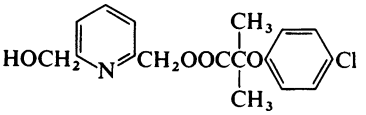
Na salt: [100188-33-8]. *Piridronate sodium, USAN. NE 97221.*

Japan. Pat., 55 98 193, (*1980*); *CA*, **93**, 239648z (*synth*)
Kozak, S. *et al*, *Cancer Res.*, 1987, **47**, 6193 (*pharmacol*)

Pirifibrate, INN **P-00328**

[6-(Hydroxymethyl)-2-pyridinyl]methyl 2-(4-chlorophenoxy)-2-methylpropanoate, 9CI

[55285-45-5]



$C_{17}H_{18}ClNO_4$ M 335.787

Hypolipaemic agent. Cryst. (isopropyl ether). Mp 46°.

B,HCl: [21550-30-1]. *Bratenol. EL 466.* Mp 110°.

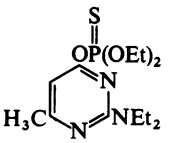
▷UE9503000.

Ger. Pat., 2 432 322, (*1975*); *CA*, **82**, 156105s (*synth, tox, pharmacol*)
De la Fuente, R. *et al*, *Arch. Farmacol. Toxicol.*, 1980, **6**, 255 (*pharmacol*)

Pirimiphos-ethyl, BSI, BAN **P-00329**

O-(2-Diethylamino-6-methyl-4-pyrimidinyl) O,O-diethyl phosphorothioate. Fernex. Primicid. PP 211

[23505-41-1]



$C_{13}H_{24}N_3O_3PS$ M 333.385

Broad range insecticide and acaricide. Liq. d^{20} 1.14. n_D^{25} 1.520. Dec. >130°.

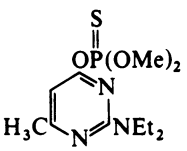
▷TF1610000.

B.P., 1 205 000, (*1970*); *CA*, **74**, 52482 (*synth, use*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Ding, X.D. *et al*, *J. Agric. Food Chem.*, 1984, **32**, 622 (*hplc*)
Pesticide Manual, 7th Ed., 448.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Pirimiphos-methyl, BAN, BSI **P-00330**

O-[2-(Diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate, 9CI, 8CI. Actellic. Actellifog. Blex. Silo San. PP 511

[29232-93-7]



$C_{11}H_{20}N_3O_3PS$ M 305.331

Insecticide, acaricide. Straw-coloured oil. V. spar. sol. H_2O, misc. most org. solvs. d^{30} 1.157. n_D^{25} 1.527.

▷Less toxic than di-Et ester. TF1410000.

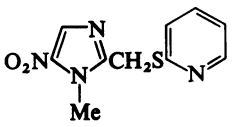
B.P., 1 019 227, (*1963*); *CA*, **64**, 14197b (*synth, use*)
Bagness, J.E. *et al*, *Analyst (London)*, 1974, **99**, 225 (*glc*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chem.*, 1983, **66**, 1084 (*glc*)
Stan, H.-J. *et al*, *J. Chromatogr.*, 1983, **279**, 173 (*glc*)
Bottomley, P. *et al*, *Analyst (London)*, 1984, **109**, 85 (*hplc*)
Pesticide Manual, 6th Ed., 434; 7th Ed., 449.
The Agrochemicals Handbook, Royal Society of Chemistry, 1983, A335.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564, 18181.

Pirinidazole, INN **P-00331**

2-[[(1-Methyl-5-nitro-1H-imidazol-2-yl)methyl]thio]-pyridine, 9CI. Hoechst 088

[55432-15-0]



$C_{10}H_{10}N_4O_2S$ M 250.275

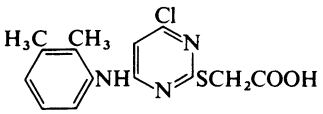
Antiamoebic, antitrichomonal agent. Mp 111°.

Ger. Pat., 2 325 159, (*1974*); *CA*, **82**, 72900p (*synth, pharmacol*)

Pirinixic acid, INN **P-00332**

[[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]thio]acetic acid, 9CI. [[4-Chloro-6-(2,3-xylidino)-2-pyrimidinyl]thio]acetic acid. Wy 14643

[50892-23-4]



$C_{14}H_{14}ClN_3O_2S$ M 323.797

Hypocholesterolaemic agent. Cryst. (EtOAc). Mp 150-153°.

▷AG2915000.

Et ester:

$C_{16}H_{18}ClN_3O_2S$ M 351.850

Cryst. (EtOH aq.). Mp 87-91°.

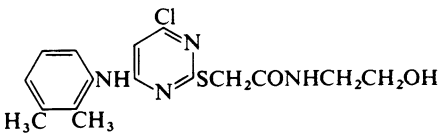
Santilli, A.A. *et al*, *Experientia*, 1974, **30**, 1110 (*synth, pharmacol*)

D'Atri, G. *et al*, *J. Med. Chem.*, 1984, **27**, 1621 (*synth*)

Pirinixil, INN **P-00333**

2-[[4-Chloro-6-(2,3-dimethylphenyl)amino-2-pyrimidinyl]thio]-N-(2-hydroxyethyl)acetamide, 9CI. BR 931

[65089-17-0]



$C_{16}H_{19}ClN_4O_2S$ M 366.865

Antilipaemic agent. Cryst. (Me_2CO). Mp 144-146°.

▷AB5860000.

Gray, T.J. *et al*, *Toxicol. App. Pharmacol.*, 1983, **67**, 15 (*tox*)

D'Atri, G. *et al*, *J. Med. Chem.*, 1984, **27**, 1621 (*synth, pharmacol*)

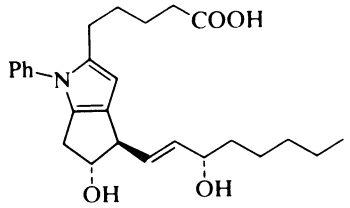
Lake, B.G. *et al*, *Xenobiotica*, 1984, **14**, 269 (*pharmacol*)

Kritchevsky, D. *et al*, *Pharmacol. Res. Commun.*, 1984, **16**, 525 (*pharmacol*)

Piriprost, INN, USAN **P-00334**

1,4,5,6-Tetrahydro-5-hydroxy-4-(3-hydroxy-1-octenyl)-1-phenylcyclopenta[b]pyrrole-2-pentanoic acid, 9CI. 6,9-Deepoxy-6,9-(phenylimino)-$\Delta^{6,8}$-prostaglandin I_1. Piroprost

[79672-88-1]



$C_{26}H_{35}NO_4$ M 425.567

Antiasthmatic prostaglandin. Cryst. (EtOAc/hexane). Mp 141-142°. $[\alpha]_D$ −57° (c, 0.93 in EtOH).

K salt: [88851-62-1]. *Piriprost potassium. U 60257B. Me ester: U 56467.* Mp 96-97°.

Smith, H.W. *et al*, *Prostaglandins*, 1982, **24**, 543 (*synth, props*)

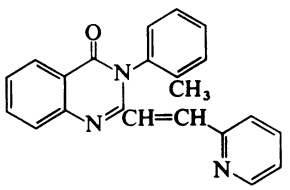
Bach, M.K., *NATO ASI Ser., Ser. A*, 1985, **95**, 73 (*rev*)

Kotovych, G. *et al*, *Can. J. Chem.*, 1985, **63**, 2614 (*pmr, conformn*)

Piriqualone, INN **P-00335**

3-(2-Methylphenyl)-2-[2-(pyridinyl)ethenyl]-4(3H)-quinazolinone, 9CI. 2-[2-(2-Pyridyl)vinyl]-3-o-tolyl-4(3H)-quinazolinone. SRC 909

[1897-89-8]



$C_{22}H_{17}N_3O$ M 339.396

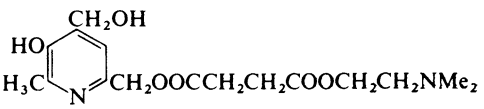
Anticonvulsant, hypnotic, muscle relaxant. Mp 200-201°.

Boltze, K.H. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 688 (*synth, pharmacol*)

Pirisudanol, INN **P-00336**

2-(Dimethylamino)ethyl [5-hydroxy-4-(hydroxymethyl)-6-methyl-3-pyridinyl]methyl butanedioate, 9CI. Pyrisuccideanol

[33605-94-6]



$C_{16}H_{24}N_2O_6$ M 340.375

Psychotropic agent.

Maleate (1:2): [53659-00-0]. *Mentis. Mentium. Nadex. Nadexen. Nadexon. Pridana. Stivane.* Mp 134°.

Ger. Pat., 2 102 831, (*1971*); *CA*, **75**, 110194x (*synth*)

Bathien, N. *et al*, *Encephale*, 1976, **2**, 55 (*pharmacol*)

B.P., 1 447 338, (*1976*); *CA*, **86**, 55292 (*synth*)

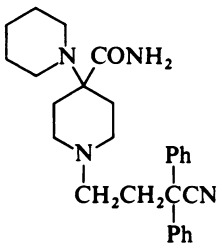
Gielsdorf, W. *et al*, *Z. Rechtsmed.*, 1983, **90**, 229 (*uv, ir, pmr, ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13192.

Piritramide, INN, BAN **P-00337**

1′-(3-Cyano-3,3-diphenylpropyl)[1,4′-bipiperidine]-4′-carboxamide, 9CI, 8CI. 4-(4-Carbamoyl-4-piperidinopiperidino)-2,2-diphenylbutyronitrile. Dipidolor. Piridolan. Pirinitramide. Pyrium. R 3365

[302-41-0]



$C_{27}H_{34}N_4O$ M 430.592

Narcotic analgesic. Cryst. (Me_2CO). Mp 149-150°. Addictive.

▷DW1012000.

Ger. Pat., 1 238 472, (*1967*); *CA*, **68**, 39484q (*synth*)
Heitmann, H.B. *et al*, *Anaesthesist*, 1970, **19**, 152 (*pharmacol*)
Humblet, C. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1615 (*cryst struct*)
De Castro, J. *et al*, *Acta Anaesthesiol. Belg.*, 1979, **30**, 5 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6259.

Piritrexim, INN **P-00338**

6-[(2,5-Dimethoxyphenyl)methyl]-5-methylpyrido[2,3-d]pyrimidine-2,4-diamine, 9CI. BW 301U

[72732-56-0]



$C_{17}H_{19}N_5O_2$ M 325.369

Antineoplastic agent (dihydrofolate reductase inhibitor). Yellow powder. Mp 252-254°.

B,HCl: [72676-60-9]. Cryst. + $\frac{1}{2}H_2O$ (EtOH aq./HCl). Mp 283-286°.

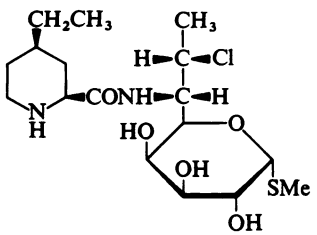
B,HOEtSO$_3$H: [79483-69-5]. *Piritrexim isethionate, USAN.*

Grivsky, E.M. *et al*, *J. Med. Chem.*, 1980, **23**, 327 (*synth, pharmacol*)
Duch, D.S. *et al*, *Cancer Res.*, 1982, **42**, 3987 (*pharmacol*)
Foss, R.G. *et al*, *J. Pharm. Sci.*, 1982, **71**, 1176 (*hplc*)
Laszlo, J. *et al*, *Adv. Enzyme Regul.*, 1985, **24**, 357 (*rev*)
Fry, D.W. *et al*, *Cancer Metastasis Rev.*, 1987, **5**, 251 (*rev*)

Pirlimycin, INN **P-00339**

U 57930E. Antibiotic U 57930E

[79548-73-5]



$C_{17}H_{31}ClN_2O_5S$ M 410.955

Antimalarial agent. Active against aerobic gram-positive bacteria. Cryst. (H_2O). Clindamycin analogue.

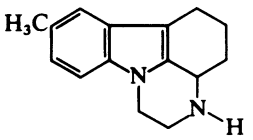
B,HCl: [78822-40-9]. *Pirlimycin hydrochloride, USAN.* Cryst. + $1H_2O$. Mp 210-212°. $[\alpha]_D^{25}$ +181° (H_2O).

Ahonkhai, V.I. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 902 (*props*)
Birkenmeyer, R.D. *et al*, *J. Med. Chem.*, 1984, **27**, 216 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 147.

Pirlindole, INN **P-00340**

2,3,3a,4,5,6-Hexahydro-8-methyl-1H-pyrazino[3,2,1-jk]carbazole, 9CI. 1,10-Trimethylene-8-methyl-1,2,3,4-tetrahydropyrazino[1,2-a]indole. Euthym. Pirazidol. Pyrazidol. PRZ

[60762-57-4]



$C_{15}H_{18}N_2$ M 226.321

(±)-form

Antidepressant.

B,HCl: Mp 260-261° dec.

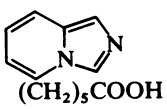
▷UQ3930000.

Fr. Pat., 2 132 514, (*1972*); *CA*, **78**, 124628r (*synth*)
Ermakov, A.I. *et al*, *Khim. Geterotsikl Soedin.*, 1978, **6**, 827 (*ms*)
Mashkovskii, M.D. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 75 (*pharmacol*)
Karapetyan, A.A. *et al*, *Cryst. Struct. Commun.*, 1982, **11**, 1441 (*cryst struct, dihydrate*)
Khuostenko, O.G. *et al*, *Khim.-Farm. Zh.*, 1983, **17**, 1215 (*biol act*)
Filitis, L.N. *et al*, *Khim.-Farm. Zh.*, 1986, **20**, 300 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13135.

Pirmagrel, INN, USAN **P-00341**

Imidazo[1,5-a]pyridine-5-hexanoic acid, 9CI. CGS 13080

[85691-74-3]



$C_{13}H_{16}N_2O_2$ M 232.282

Thromboxane synthetase inhibitor. Mp 144-147°.

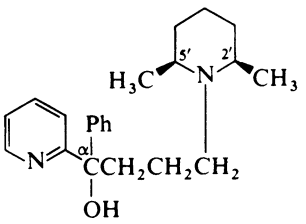
Et ester: [85691-73-2]. Oil. $Bp_{0.12}$ 180-185°.

Nitrile: Mp 178-180°.

Ku, E.C. *et al*, *Biochem. Biophys. Res. Commun.*, 1983, **112**, 899 (*pharmacol*)
MacNab, M.W. *et al*, *J. Clin. Pharmacol.*, 1984, **24**, 76 (*tox*)
Ford, N.F. *et al*, *J. Med. Chem.*, 1985, **28**, 164 (*synth, pharmacol*)
Smith, E.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **241**, 855 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18947.

Pirmenol, INN **P-00342**

α-[3-(2,6-Dimethyl-1-piperidinyl)propyl]-α-phenyl-2-pyridinemethanol, 9CI



$C_{22}H_{30}N_2O$ M 338.492

(*αRS,2'RS,5'SR*)-*form* [68252-19-7]

(±)-cis-*form*

Antiarrhythmic agent. Cryst. (pet. ether). Mp 70-71° (monohydrate 101-102°).

B,HCl: [61477-94-9]. *Pirmenol hydrochloride,* USAN. *CI 845.* Mp 171-172°.

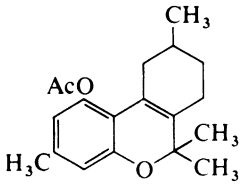
▷UT4810000.

B.P., 1 581 096, (*1980*); *CA,* **95**, 24821 (*synth, pharmacol*)
Steffe, T.J. *et al, J. Pharmacol. Exp. Ther.,* 1980, **214**, 50 (*pharmacol*)
Just, H., Ed., *Am J. Cardiol.,* 1987, **59**, Part 16 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16955.

Pirnabin, USAN, INN **P-00343**

7,8,9,10-Tetrahydro-3,6,6,9-tetramethyl-6H-dibenzo[b,d]*pyran-1-ol acetate,* 9CI. *SP 304*

[19825-63-9]



$C_{19}H_{24}O_3$ M 300.397

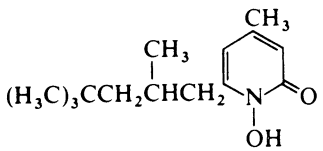
(±)-*form* [68298-00-0]

Antiglaucoma agent. Mp 115-119°.

Razdan, R.K. *et al, J. Heterocycl. Chem.,* 1976, **13**, 1101 (*synth*)
Ger. Pat., 2 803 046, (*1978*); *CA,* **89**, 140727 (*pharmacol*)

Piroctone, USAN, INN **P-00344**

1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1H)-pyridinone, 9CI



$C_{14}H_{23}NO_2$ M 237.341

Antiseborrheic agent. Cryst. Mp 108°.

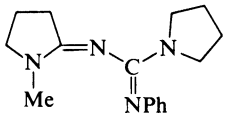
2-Aminoethanol salt (1:1): [68890-66-4]. *Piroctone olamine,* USAN. *Octopirox.*

Ger. Pat., 2 214 608, (*1973*); *CA,* **79**, 146419w (*synth*)
Lohaus, G. *et al, Arzneim.-Forsch.,* 1981, **31**, 1311 (*synth, pharmacol*)

Pirogliride, INN **P-00345**

N-(*1-Methyl-2-pyrrolidinylidene*)-N'-*phenyl-1-pyrrolidinecarboximidamide,* 9CI. *McN-3495*

[62625-18-7]



$C_{16}H_{22}N_4$ M 270.377

Antidiabetic agent.

Tartrate: [62625-19-8]. *Pirogliride tartrate,* USAN. *McN 3495.*

$C_{20}H_{28}N_4O_6$ M 420.464

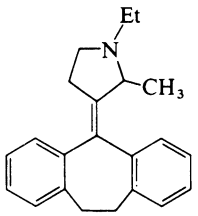
B,HI: Cryst. (MeOH/Et_2O). Mp 206-208°.

Ger. Pat., 2 711 757, (*1977*); *CA,* **88**, 37603s (*synth, pharmacol*)
Tutwiler, G.F. *et al, Diabetes,* 1978, **27**, 868 (*pharmacol*)
Tutwiler, G.F. *et al, Biochem. Int.,* 1983, **7**, 55 (*pharmacol*)

Piroheptine, INN **P-00346**

3-(10,11-Dihydro-5H-dibenzo[a,d]*cyclohepten-5-ylidene)-1-ethyl-2-methylpyrrolidine,* 9CI, 8CI

[16378-21-5]



$C_{22}H_{25}N$ M 303.446

▷UY0869000.

(±)-*form*

Antiparkinsonian drug. Bp_4 167°.

B,HCl: [16378-22-6]. *Piroheptine hydrochloride,* JAN. *FK 1190.* Cryst. with bitter numbing taste. Mp 253°.

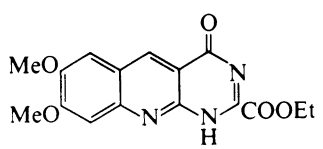
▷UY0870000.

Netherlands Pat., 6 609 280, (*1967*); *CA,* **67**, 90665f (*synth, pharmacol*)
Tokuma, Y. *et al, Bull. Chem. Soc. Jpn.,* 1971, **44**, 2665; 1975, **48**, 294 (*cryst struct, metab*)
Hitomi, M. *et al, Arzneim.-Forsch.,* 1972, **22**, 953 (*pharmacol*)
Umio, S. *et al, J. Med. Chem.,* 1972, **15**, 891 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13136.

Pirolate, USAN, INN **P-00347**

Ethyl 1,4-dihydro-7,8-dimethoxy-4-oxopyrimido[4,5-b]*quinoline-2-carboxylate,* 9CI. *CP 32387*

[55149-05-8]



$C_{16}H_{15}N_3O_5$ M 329.312

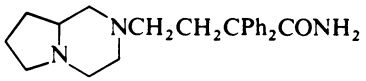
Antiasthmatic, antiallergic agent. Cryst. ($CHCl_3$). Mp 272-273° dec.

Althuis, T.H. *et al, J. Med. Chem.,* 1980, **23**, 262 (*synth, pharmacol*)
Nakanishi, S. *et al, Org. Prep. Proced. Int.,* 1980, **12**, 219 (*synth*)

Pirolazamide, INN, USAN **P-00348**

Hexahydro-α,α-diphenylpyrrolo[1,2-a]pyrazine-2(1H)-butanamide, 9CI. 2,2-Diphenyl-4-(1,4-diazabicyclo[4.4.0]dec-4-yl)butyramide. SC 26438

[39186-49-7]



$C_{23}H_{29}N_3O$ M 363.502

Antiarrhythmic agent. Solid. Mp 217-221°.

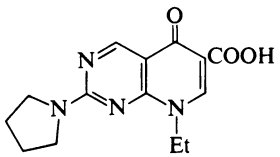
Dimaleate: Mp 195-198°.

B.P., 1 352 299, (*1972*); *CA*, **78**, 58458g (*synth, pharmacol*)

Piromidic acid, INN, JAN **P-00349**

8-Ethyl-5,8-dihydro-5-oxo-2-(1-pyrrolidinyl)-pyrido[2,3-d]pyrimidine-6-carboxylic acid, 9CI. Panacid. PD-93. Actrun C. *Bactamyl. Reelon. Septural. Uropir. Other proprietary names*

[19562-30-2]



$C_{14}H_{16}N_4O_3$ M 288.305

Antiinfective (effective against gram-negative bacteria). Intestinal and urinary antibacterial agent. Cryst. ($EtOH/CHCl_3$). Mp 314-316°.

▷UV1153900.

Et ester: [33836-43-0]. Cryst. (EtOH). Mp 197-198°.

3'-Hydroxy: [34014-01-2]. *β-Hydroxypiromidic acid.* $C_{14}H_{16}N_4O_4$ M 304.305

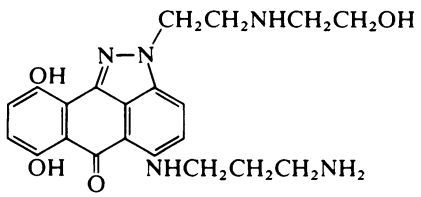
Antibacterial agent. Needles (DMF). Mp 281-282°.

Shimizu, M. *et al, Antimicrob. Agents Chemother.*, 1970, 117, 123 (*pharmacol, metab*)
Minami, S. *et al, Chem. Pharm. Bull.*, 1971, **19**, 1426 (*synth*)
Sekine, Y. *et al, Chem. Pharm. Bull.*, 1977, **25**, 2203 (*metab*)
Koch, H. *et al, Pharm. Int.*, 1980, **1**, 108 (*rev, pharmacol*)
Matsumoto, J. *et al, Chem. Pharm. Bull.*, 1980, **28**, 2531 (*synth, uv, ir, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3163.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5667.

Piroxantrone, INN **P-00350**

5-[(3-Aminopropyl)amino]-7,10-dihydroxy-2-[2-[(2-hydroxyethyl)amino]ethyl]anthra[1,9-cd]pyrazol-6(2H)-one, 9CI. Oxanthrazole. Oxantrazole. CI 942. PD 111815

[91441-23-5]



$C_{21}H_{25}N_5O_4$ M 411.460

Antineoplastic agent.

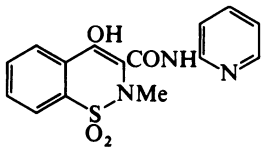
B,1·8HCl: [91440-86-7]. Cryst. + $0{\cdot}6H_2O$. Mp 267-272° dec.

Leopold, W.R. *et al, Cancer Res.*, 1985, **45**, 5532 (*pharmacol*)
Frank, S.K. *et al, J. Chromatogr.*, 1987, **419**, 225 (*hplc*)
Showalter, H.D.H. *et al, J. Med. Chem.*, 1987, **30**, 121 (*synth, pharmacol*)
Werbel, L.M. *et al, Bristol-Myers Cancer Symp.*, 1987, **8**, 355 (*rev*)

Piroxicam, BAN, INN, USAN, JAN **P-00351**

4-Hydroxy-2-methyl-N-2-pyridinyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9CI. Feldene. Improntal. Reudene. CP 16171. Numerous proprietary names

[36322-90-4]



$C_{15}H_{13}N_3O_4S$ M 331.345

Antiinflammatory drug. Cryst. (MeOH). Mp 198-200°. Also used as cinnamate (Piroxicam cinnamate, USAN).

▷DL0705000.

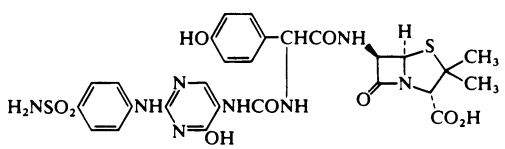
2-Aminoethanol salt: [85056-47-9]. *Piroxicam olamine, USAN.*

Lombardino, J.G. *et al, J. Med. Chem.*, 1973, **16**, 493 (*synth, pharmacol*)
Whipple, E.B., *Org. Magn. Reson.*, 1977, **10**, 23 (*cmr*)
Wiseman, E.H. *et al, Pharmacol. Biochem. Props. Drug Subst.*, 1981, **3**, 524 (*rev, pharmacol*)
Kojić-Prodić, B. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 2948 (*cryst struct*)
Bordner, J. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 989 (*cryst struct*)
Brogden, R.N. *et al, Drugs*, 1984, **28**, 292 (*rev, pharmacol*)
U.S.P., 4 434 164, (*1984*); *CA*, **100**, 191894 (*salts*)
Mihalic, M. *et al, Anal. Profiles Drug Subst.*, 1986, **15**, 509 (*rev, synth, anal*)
Svoboda, J. *et al, Collect. Czech. Chem. Commun.*, 1986, **51**, 1133 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3482.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2692.

Piroxicillin, INN **P-00352**

2-[3-[2-(p-Aminosulfonyl)anilino-4-hydroxy-5-pyrimidinyl]ureido]-2-(4-hydroxyphenyl)acetamido]-penicillanic acid

[82509-56-6]



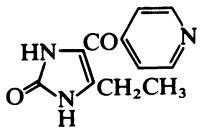
$C_{27}H_{28}N_8O_9S_2$ M 672.686

Antibiotic.

Na salt: [82509-57-7]. *VX VC 43 NA.*

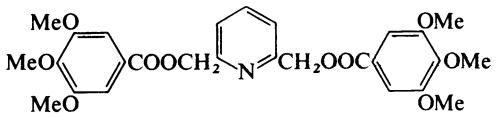
Wetzel, B. *et al, Arzneim.-Forsch.*, 1985, **35**, 343, 351 (*synth, pharmacol*)
Best, D.J. *et al, J. Antibiot.*, 1986, **39**, 483 (*synth, pharmacol*)

Piroximone, BAN, USAN, INN P-00353
4-Ethyl-1,3-dihydro-5-(4-pyridinylcarbonyl)-2H-imidazol-2-one, 9CI. MDL 19205
[84490-12-0]



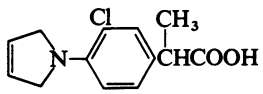
$C_{11}H_{11}N_3O_2$ M 217.227
Cardiotonic. Cryst. (2-propanol aq.). Mp 264-266° dec.
Roebel, L.E. *et al*, *J. Cardiovasc. Pharmacol.*, 1984, **6**, 43, 50 (*pharmacol*)
Haegele, K.D. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **31**, 239.
Schnettler, R.A. *et al*, *J. Med. Chem.*, 1986, **29**, 860 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18672.

Pirozadil, INN P-00354
2,6-Pyridinediyldimethylenebis(3,4,5-trimethoxybenzoate), 9CI
[54110-25-7]



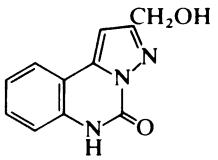
$C_{27}H_{29}NO_{10}$ M 527.527
Cardiovascular drug. Hypolipidaemic agent, inhibits platelet aggregation. Coronary vasodilator. Cryst. Mp 119-126°.
Ger. Pat., 2 411 902, (*1974*); *CA*, **82**, 4136q (*synth*)
Balasch, J. *et al*, *Arch. Farmacol. Toxicol.*, 1977, **3**, 137 (*pharmacol*)
Roca, J. *et al*, *Arch. Farmacol. Toxicol.*, 1980, **6**, 41 (*tox*)
Anon., *Drugs of Today*, 1982, **18**, Suppl. 1, 1 (*rev*)
Ballester-Rodes, M. *et al*, *Synth. Commun.*, 1984, **14**, 515 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3912.

Pirprofen, BAN, USAN, INN P-00355
3-Chloro-4-(2,5-dihydro-1H-pyrrol-1-yl)-α-methylbenzeneacetic acid, 9CI. 2-[3-Chloro-4-(3-pyrrolin-1-yl)-phenyl]propionic acid
[31793-07-4]



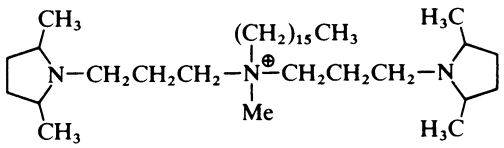
$C_{13}H_{14}ClNO_2$ M 251.712
▷MU6620000.
(+)-*form*
Bp ca. 255°. $[\alpha]_D^{25}$ +38.08° (EtOH).
Na salt: Mp 214-216°. $[\alpha]_D^{25}$ −17.38°.
(±)-*form*
Antiinflammatory drug. Cryst. (C_6H_6/hexane). Mp 98-100°.
Et ester:
$C_{15}H_{18}ClNO_2$ M 279.766
$Bp_{0.25}$ 128-133°.
Carney, R.W.J. *et al*, *Experientia*, 1973, **29**, 938 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2693.

Pirquinozol, BAN, USAN, INN P-00356
2-(Hydroxymethyl)pyrazolo[1,5-c]quinazolin-5(6H)-one, 9CI. HPQ. SQ 13847
[65950-99-4]



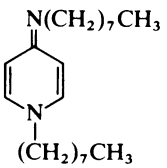
$C_{11}H_9N_3O_2$ M 215.211
Antiallergic drug. Cryst. (MeOH). Mp 285-287°.
U.S.P., 4 112 096, (*1978*); *CA*, **92**, 1461801h (*synth*)
Free, C.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1980, **213**, 437 (*pharmacol*)
Kirschbaum, J. *et al*, *J. Chromatogr.*, 1980, **200**, 282 (*hplc*)
Casey, F.B. *et al*, *J. Pharm. Pharmacol.*, 1983, **35**, 394 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13137.

Pirralkonium(1+) P-00357
N-[3-(2,5-Dimethyl-1-pyrrolidinyl)propyl]-N-hexadecyl-N,2,5-trimethyl-1-pyrrolidinepropanaminium, 9CI. Bis[3-(2,5-dimethyl-1-pyrrolidinyl)propyl]-hexadecylmethylammonium, 8CI. Methyl cetyl bis[(dimethyl-2',5'-pyrrolidin-1-yl)-3-propyl]ammonium



$C_{35}H_{72}N_3^{\oplus}$ M 534.974 (ion)
Antiseptic.
Bromide: [17243-65-1]. *Pirralkonium bromide, INN. Irsium.*
$C_{35}H_{72}BrN_3$ M 614.878
$Bp_{0.1}$ 156°.
Fr. Pat., M 5047, (*1967*); *CA*, **72**, 54721r (*synth, pharmacol*)
Granger, R. *et al*, *Chim. Ther.*, 1968, **3**, 129 (*synth, activity*)

Pirtenidine, INN P-00358
N-(1-Octyl-4(1H)-pyridinylidene)-1-octanamine, 9CI
[103923-27-9]

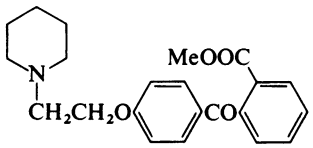


$C_{21}H_{38}N_2$ M 318.545
Antimicrobial agent.
B,HCl: [100227-05-2]. Dimorph. cryst. Mp 120-125°, Mp 140-142°.
B,HBr: [103923-28-0]. Mp 108-112°.
Eur. Pat., 174 632, (*1986*); *CA*, **105**, 133756j (*synth, pharmacol*)

Pitofenone, INN **P-00359**

Methyl 2-[4-[2-(1-piperidinyl)ethoxy]benzoyl]benzoate, 9CI. Methyl o-[p-(*2-piperidinoethoxy)benzoyl]benzoate. Hoechst 12771*

[54063-52-4]



$C_{22}H_{25}NO_4$ M 367.444

Anticholinergic, spasmolytic agent. Mainly used as hydrochloride.

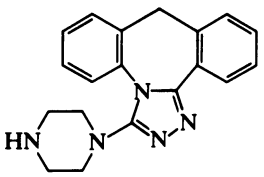
B,HCl: [1248-42-6]. *Pitofenone hydrochloride.* Cryst. (2-propanol). Mp 168-169°.

U.S.P., 2 681 340, (*1954*); *CA*, **49**, 9043b (*synth, pharmacol*)
Lindner, E., *Arzneim.-Forsch.*, 1956, **6**, 124 (*pharmacol*)
Komarek, J., *Arzneim.-Forsch.*, 1976, **26**, 1583 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5241.

Pitrazepin **P-00360**

3-(1-Piperazinyl)-9H-dibenzo[c,f]*-1,2,4-triazolo*[*4,3-*a]*azepine, 9CI*

[90685-01-1]



$C_{19}H_{19}N_5$ M 317.393

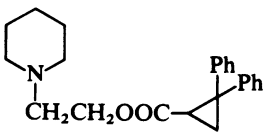
GABA antagonist.

Gaehwiler, B.H. *et al, Neurosci. Lett.*, 1984, **45**, 311 (*pharmacol*)
Braestrup, C. *et al, Eur. J. Pharmacol.*, 1985, **118**, 115 (*pharmacol*)
Curtis, D.R. *et al, Eur. J. Pharmacol.*, 1986, **131**, 311 (*pharmacol*)

Pituxate, INN **P-00361**

2,2-Diphenylcyclopropanecarboxylic acid 2-(1-piperidinyl)ethyl ester, 9CI. Upsatux

[39123-11-0]



$C_{23}H_{27}NO_2$ M 349.472

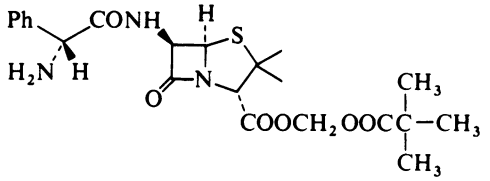
Antitussive, bronchospasmolytic agent.

B,HCl: Cryst. (2-propanol). Mp 178-180°.

Belg. Pat., 777 347, (*1972*); *CA*, **78**, 15633t (*synth*)
Ger. Pat., 2 164 988, (*1972*); *CA*, **77**, 126445g (*synth, pharmacol*)

Pivampicillin, BAN **P-00362**

[33817-20-8]



$C_{22}H_{29}N_3O_6S$ M 463.548

Semisynthetic pencillin. Improves oral absorption of Ampicillin. pK_a ~7.0. Hydrol. to Ampicillin *in vivo.*

▷XH8380000.

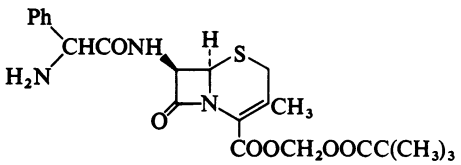
B,HCl: Pivampicillin hydrochloride, USAN. Alphacillin. Numerous proprietary names. Sol. H_2O, $CHCl_3$. Mp ca. 155° dec. $[\alpha]_D^{20}$ ca. +200° (c, 1 in H_2O).
Compd. with Probenecid (1:1): [42190-91-0]. *Pivampicillin probenate, USAN. MK 356.* Antibiotic.
Embonate (2:1): [398030-72-3]. *Pivampicillin pamoate, USAN.* Antibiotic.

Jordan, M.C. *et al, Antimicrob. Agents Chemother.*, 1970, 438, 442 (*props*)
v. Daehne, W. *et al, J. Med. Chem.*, 1970, **13**, 607 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6667.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 188, 189.

Pivcephalexin **P-00363**

Cephalexin pivaloyloxymethyl ester. Ausocef. Bencef. Pivacef. Pivalexin. Sigmacef. ST 21. Antibiotic ST 21

[27726-31-4]



$C_{22}H_{27}N_3O_6S$ M 461.532

Semisynthetic cephalosporin. Clinically used antibiotic showing broad-spectrum activity. Orally active.

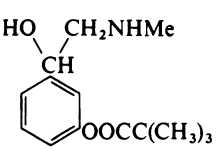
▷XI0360000.

Ger. Pat., 1 951 012, (*1970*); *CA*, **72**, 132761 (*synth*)
Foresta, P. *et al, Arzneim.-Forsch.*, 1977, **27**, 819 (*pharmacol*)
Vittorini, C. *et al, Arzneim.-Forsch.*, 1981, **31**, 1163.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13138.

Pivenfrine, INN **P-00364**

3-[1-Hydroxy-2-(methylamino)ethyl]phenyl 2,2-dimethylpropanoate, 9CI. m-[*1-Hydroxy-2-(methylamino)ethyl]phenyl pivalate*

[67577-23-5]



$C_{14}H_{21}NO_3$ M 251.325

(R)-form

B,HCl: Cryst. Mp 128-130°. $[\alpha]_D^{25}$ −36.7° (c, 5 in EtOH).

(±)-*form*

Mydriatic, sympathomimetic agent.

B,HCl: [60052-55-3]. Cryst. (Me_2CO).

U.S.P., 3 825 583, (*1974*); *CA*, **81**, 91203

Yuan, S.-S. *et al*, *J. Pharm. Sci.*, 1976, **65**, 929 (*synth, pharmacol*)

Pivhydrazine, BAN **P-00365**

2,2-Dimethylpropanoic acid 2-(phenylmethyl)hydrazide, 9CI. Pivalic acid 2-benzylhydrazide, 8CI. Pivalylbenzhydrazine. Angorvid. Betamezid. Neomarsilid. Pivazide. Tersavid. Ro 4-1634

[306-19-4]

$PhCH_2NHNHCOC(CH_3)_3$

$C_{12}H_{18}N_2O$ M 206.287

Monoamine oxidase inhibitor. Mp 68-69°.

▷TO7874000.

B.P., 883 379, (*1961*); *CA*, **56**, 11496 (*synth, pharmacol*)

Eble, J.N., *J. Pharmacol. Exp. Ther.*, 1965, **148**, 48 (*pharmacol*)

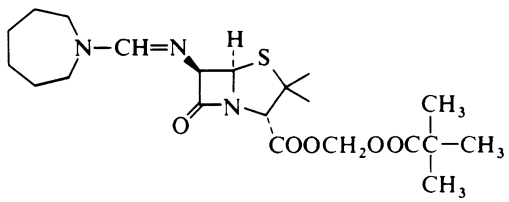
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)

Bolton, G.C. *et al*, *Drug Metab. Dispos.*, 1979, **7**, 388 (*metab*)

Pivmecillinam, BAN, INN **P-00366**

Amdinocillin pivoxil, USAN. *Mecillinam pivaloyloxymethyl ester. Celfuron. Coactabs. Melicin. Melysin. Negaxid. Selecidin. Selexid. FL 1039. Ro 10-9071. Antibiotic FL 1039*

[32886-97-8]



$C_{21}H_{33}N_3O_5S$ M 439.569

Semisynthetic pencillin. Ester of Mecillinam, M-00042 with improved oral absorption. Cryst. (cyclohexane). Mp 118.5-119.5°. $[\alpha]_D^{20}$ +231° (c, 1 in EtOH). pK_a 8.9.

B,HCl: [32887-03-9]. *Pivmecillinam hydrochloride, JAN.* Sol. H_2O. Mp 172-173°. $[\alpha]_D^{20}$ +219° (c, 1 in 0.1N HCl).

▷XI0187000.

Lund, F. *et al*, *Nature* (*London*), New Biol., 1972, **236**, 135 (*synth*)

Weetman, D.F., *Med. Actual.*, 1978, **14**, 411 (*rev, pharmacol*)

Anderson, J.D. *et al*, *Chemotherapy*, 1979, **25**, 1 (*metab*)

Damsgaard, T. *et al*, *J. Antimicrob. Chemother.*, 1979, **5**, 267 (*props*)

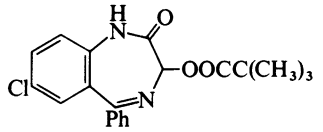
Andersen, B.T. *et al*, *Infection*, 1980, **8**, 27 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 136, 137.

Pivoxazepam, INN **P-00367**

7-Chloro-2,3-dihydro-2-oxo-5-phenyl-1H-1,4-benzodiazepin-3-yl 2,2-dimethylpropanoate, 9CI. 7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl-2H-1,4-benzodiazepin-2-one

[55299-10-0]



$C_{20}H_{19}ClN_2O_3$ M 370.835

(±)-*form*

Sedative. Cryst. (EtOH). Mp 245-246° (223-225°).

Ger. Pat., 2 519 318, (*1975*); *CA*, **84**, 31152q (*synth, pharmacol*)

Sanchez, M.C. *et al*, *J. Chromatogr.*, 1976, **126**, 601 (*glc*)

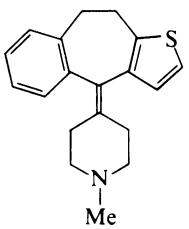
Maksay, G. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1978, **359**, 879 (*synth, pharmacol*)

Sinion-Trompler, E. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 102 (*synth, pharmacol*)

Pizotifen, BAN, INN **P-00368**

4-(9,10-Dihydro-4H-benzo[4.5]cyclohepta[1,2-b]thien-4-ylidene)-1-methylpiperidine, 9CI, 8CI. ***Pizotyline, USAN.*** *Litec. Other proprietary names*

[15574-96-6]



$C_{19}H_{21}NS$ M 295.442

Antimigraine prophylactic. Serotonin inhibitor.

B,HCl: Mp 261-263° dec.

Maleate: [5189-11-7]. *Sandomigran. Mosegor.* Cryst. (MeOH). Mp 185-186°.

▷TM7165500.

Belg. Pat., 636 717, (*1964*); *CA*, **61**, 14644b (*synth*)

Bastian, J.M. *et al*, *Helv. Chim. Acta*, 1965, **49**, 214 (*synth*)

Speight, T.M. *et al*, *Drugs*, 1972, **3**, 159 (*pharmacol*)

Dixon, A.K. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1968 (*pharmacol*)

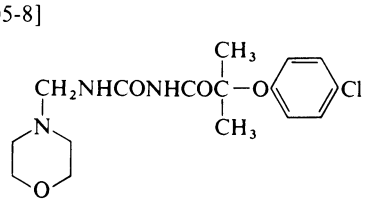
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5248.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6157.

Plafibride, INN **P-00369**

2-(4-Chlorophenoxy)-2-methyl-N-[[(4-morpholinylmethyl)amino]carbonyl]propanamide, 9CI. 1-[2-(p-Chlorophenoxy)-2-methylpropionyl]-3-(morpholinomethyl)urea. Idonor. Plafibrinol. ITA-104. Perifunal

[63394-05-8]



$C_{16}H_{22}ClN_3O_4$ M 355.821

Hypolipaemic, platelet aggregation inhibiting agent. Cryst. Mp 150-152°.

▷Teratogenic in rats and rabbits. TX1410000.

B,HCl: [65285-81-6]. Mp 150-152°.

Ger. Pat., 2 716 374, (*1977*); *CA*, **88**, 37810g (*synth, pharmacol*)
Ribalta, J.M. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1782, 1808 (*synth, pharmacol*)
Sanfeliu, C. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1831 (*tox*)
Torres, A. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1786 (*ir, uv, nmr, ms, hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13139.

Plasmin, BAN P-00370

Fibrinase. ***Fibrinolysin, INN.*** *EC 3.4.21.7*

[9001-90-5]

M ~85,000

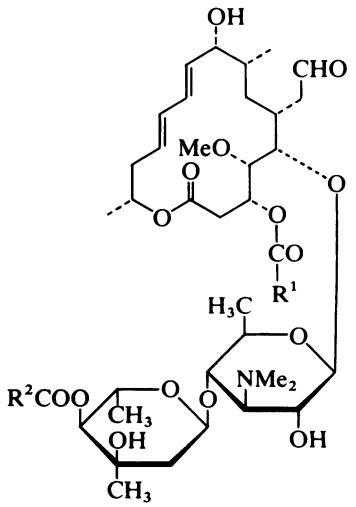
Found in blood as the active breakdown prod. of Plasminogen, a protein of MW ~90,000, which is present at concs. of ca. 0.2 mg/ml. Degrades blood clots by preferential hydrol. of Lys-X and Arg-X bonds.

Rickli, E.E., *Chimia*, 1978, **32**, 15 (*isol, props*)
Robbins, K.C. *et al*, *Handb. Exp. Pharmakol.*, 1978, **46**, 317 (*rev*)
Sottrup-Jensen, J. *et al*, *Prog. Chem. Fibrinolysis Thrombolysis*, (*Davidson, J.F. et al*, Ed.), 1978, Raven Press, New York, **3**, 191 (*struct*)
Wallén, P., *Prog. Chem. Fibrinolysis Thrombolysis*, (*Davidson, J.F. et al*, Ed.), 1978, Raven Press, New York, **3**, 167
Yechies, L., *Prog. Chem. Fibrinolysis Thrombolysis*, (*Davidson, J.F. et al*, Ed.), 1978, Raven Press, New York, **3**, 121
Hayes, M.L. *et al*, *J. Biol. Chem*, 1979, **254**, 8768.
Ogston, D., *J. Clin. Pathol., Suppl.* (*R. Coll. Pathol.*), 1980, **14**, 5 (*struct, props, biochem*)
Castellino, F.J., *Chem. Rev.*, 1981, **81**, 431 (*props, struct*)
Machovich, R., *Acta Biochim. Biophys. Acad. Sci. Hung.*, 1985, **20**, 135 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3739.

Platenomycin B_1 P-00371

Leucomycin V *3,4^B-dipropanoate*, *9CI. Espinomycin* A_1. *Midecamycin* A_1. *Mydecamycin. Turimycin* P_3. *Aboren. Macro-dil. Medemycin. Midecacine. Midecin. Rubimycin. SF 837*A_1. *YL 704*B_1. *Antibiotic SF 837*A_1. *Antibiotic YL 704*B_1. ***Midecamycin, INN, JAN***

[35457-80-8]



$R^1 = R^2 = CH_2CH_3$

$C_{41}H_{67}NO_{15}$ M 813.978

Macrolide antibiotic. Isol. from *Streptomyces platensis*, *S. fungicidicus*, *S. hygroscopicus* and *S. mycarofaciens*. Highly active against gram-positive organisms. Powder or needles (C_6H_6/hexane). Mp 131-132°, 155-156°. $[\alpha]_D^{21}$ −42.1° (c, 1 in $CHCl_3$).

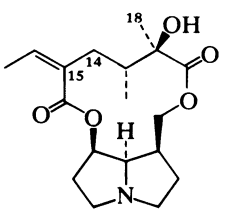
▷OH4730600.

Inouye, S. *et al*, *J. Antibiot.*, 1971, **24**, 460 (*struct, spectra*)
Niida, T. *et al*, *J. Antibiot.*, 1971, **24**, 319 (*isol, struct*)
Suzuki, M. *et al*, *Tetrahedron Lett.*, 1971, 435 (*isol, ir, ms, nmr, struct*)
Tsuruoka, T. *et al*, *J. Antibiot.*, 1971, **24**, 452 (*isol, ms*)
Aratani, H. *et al*, *Chemotherapy* (*Tokyo*), 1973, **21**, Part 4 (*pharmacol, tox*)
Japan. Pat., 73 68 585, (*1973*); *CA*, **80**, 27454 (*synth, derivs*)
Kinumaki, A. *et al*, *J. Antibiot.*, 1974, **27**, 102, 107, 112 (*isol, struct, ms*)
Furumai, T. *et al*, *J. Antibiot.*, 1975, **28**, 789 (*biosynth*)
Shomura, T. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 2413 (*pmr, cmr, struct, derivs*)
Suzuki, M. *et al*, *Heterocycles*, 1981, **15**, 1123 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 108.

Platyphylline P-00372

(1α)-1,2-Dihydro-12-hydroxysenecionan-11,16-dione, *9CI*

[480-78-4]



$C_{18}H_{27}NO_5$ M 337.415

Alkaloid from *Senecio platyphyllus*, *S. adnatus*, *S. hygrophyllus*, other *S.* spp. and *Adenostyles* spp. and *Petasites laevigatus* (Compositae). Shows atropine-like activity. Has been used in the USSR for treatment of gastrointestinal hypermotility and peptic ulceration

Used as tartrate. Needles (H_2O). Spar. sol. hot H_2O, pet. ether. Mp 129° (124-125°). $[\alpha]_D$ −56° ($CHCl_3$), $[\alpha]_D$ −59° (EtOH). Rel. nontoxic; does not show hepatotoxicity like most other pyrrolizidine alkaloids.

B,MeI: Needles (EtOH). Mp 216-217°. $[\alpha]_D$ −31.3°.

N-*Oxide:* ***Platyphylline* N-*oxide***.
$C_{18}H_{27}NO_6$ M 353.414
Alkaloid from *S.* spp. The form in which Platyphylline is present in *S. hygrophyllus*, and propably in other spp. (Compositae). Mp 180-181°. $[\alpha]_D$ −44.6° ($CHCl_3$), $[\alpha]_D$ −59° (H_2O).

14α-Hydroxy: [3573-82-8]. ***Hygrophylline***.
$C_{18}H_{27}NO_6$ M 353.414
Alkaloid from *S. hygrophyllus* (Compositae). Prisms (Me_2CO). Mp 176° (173-174°). $[\alpha]_D^{20}$ −67.3° (c, 2.9 in EtOH). Hydrol. gives platynecine and hygrophyllinecic acid.

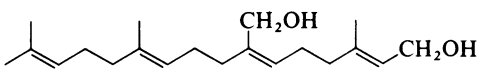
18-Hydroxy: ***Dihydroretrorsine***.
$C_{18}H_{27}NO_6$ M 353.414
Alkaloid from the roots of *S. subulatus* var. *erectus* (Compositae). Neeldes ($CHCl_3$/MeOH). Mp 62-63°. $[\alpha]_D^{20}$ −2.68° (c, 0.078 in $CHCl_3$).

(*15E*)-*Isomer:* [20361-76-6]. ***Neoplatyphylline***.
$C_{18}H_{27}NO_5$ M 337.415
Alkaloid from *S. platyphyllus* and *S. rhombifolius* (Compositae). Mp 131-133°. $[\alpha]_D$ +1.95°.

Richardson, M.F. *et al*, *J. Chem. Soc.*, 1943, 452 (*isol, Hygrophylline*)
Koekemoer, M.J. *et al*, *J. Chem. Soc.*, 1951, 66 (*isol, oxide*)
Koekemoer, M.J. *et al*, *J. Chem. Soc.*, 1955, 63 (*struct*)
Warren, F.L., *Fortschr. Chem. Org. Naturst.*, 1955, **12**, 198 (*bibl, Platyphylline*)
Schlosser, F.D. *et al*, *J. Chem. Soc.*, 1965, 5707 (*isol, struct, Hygrophylline*)
Culvenor, C.C.J. *et al*, *Aust. J. Chem.*, 1968, **21**, 1671 (*Neoplatyphylline*)
Aasen, A.J. *et al*, *J. Org. Chem.*, 1969, **34**, 4137 (*pmr*)
Hrbek, J. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 3918 (*cd*)
Abdullaev, U.A. *et al*, *Khim. Prir. Soedin.*, 1974, **10**, 538 (*ms*)
Drewes, S.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 287 (*cmr*)
Jones, A.J. *et al*, *Aust. J. Chem.*, 1982, **35**, 1173 (*cmr*)
Molyneux, R.J. *et al*, *Phytochemistry*, 1982, **21**, 439 (*cmr*)
Mackay, M.F. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 395 (*cryst struct, Hygrophylline*)
Pestchanker, M.J. *et al*, *Planta Med.*, 1985, 165 (*Dihydroretrorsine*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 406.

Plaunotol, INN P-00373

2-(4,8-Dimethyl-3,7-nonadienyl)-6-methyl-2,6-octadiene-1,8-diol, *9CI. 18-Hydroxygeranylgeraniol*



$C_{20}H_{34}O_2$ M 306.487

(***Z,E,E*)-form** [64218-02-6]
Kelnac. Kelnal. Plaugenol. CS 684
Isol. from *Croton columnaris* and *C. sublyratus*. Antiulcerogenic agent.

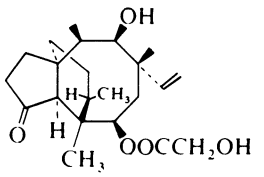
Bis(3,5-dinitrobenzoyl): Cryst. (MeOH/Et_2O). Mp 83-84°.

Ogiso, A. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 3117 (*isol*)
Kobayashi, S. *et al*, *Oyo Yakuri*, 1982, **24**, 599 (*pharmacol*)
Ogiso, A. *et al*, *CA*, 1986, **104**, 213053 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2366.

Pleuromutilin P-00374

Pleuromulin, INN. *Drosopholin* B

[125-65-5]



Absolute configuration

$C_{22}H_{34}O_5$ M 378.508
Diterpene antibiotic. Isol. from *Pleurotus mutilus, P. passeckerianus* and *Drosophila subatrata*. Mainly active against gram-positive bacteria. Cryst. (EtOH/Et_2O or EtOAc/pet. ether). Mp 170-171°. $[\alpha]_D^{24}$ +20° (c, 0.2 in 50% EtOH aq.).

▷MC5408000.

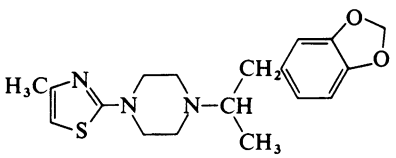
Mono-Ac: Cryst. (Et_2O/pet. ether). Mp 120-121°.
Di-Ac: Cryst. (EtOH). Mp 145.5°.
Bis(3,5-dinitrobenzoyl): Cryst. (EtOH/C_6H_6). Mp 249-250°.
Hydrazone: Cryst. (EtOAc). Mp 94°.

Kavanagh, F. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1951, **37**, 570; 1952, **38**, 555 (*isol*)
Anchel, M., *J. Biol. Chem.*, 1952, **199**, 133 (*isol*)
Birch, A.J. *et al*, *Tetrahedron, Suppl.*, 1966, No. 8, 359 (*struct*)
Dobler, M. *et al*, *Cryst. Struct. Commun.*, 1975, **4**, 259 (*cryst struct*)
Egger, H. *et al*, *J. Antibiot.*, 1976, **29**, 915, 923 (*derivs*)
Hoegenauer, G., *Antibiotics (N.Y.)*, 1979, **5**, 344 (*rev*)
Gibbons, E.G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 1767 (*synth*)
Schultz, G. *et al*, *Tetrahedron*, 1984, **40**, 905 (*cmr*)
Paquette, L.A. *et al*, *J. Org. Chem.*, 1988, **53**, 1441, 1450, 1461 (*bibl*)

Podilfen, INN P-00375

1-[3-[3,4-(Methylenedioxy)phenyl]propyl]-4-(4-methyl-2-thiazlyl)piperazine, *9CI. 1-[α-Methyl-3,4-(methylenedioxy)phenethyl]-4-(4-methyl-2-thiazolyl)-piperazine*, *8CI*

[13409-53-5]



$C_{18}H_{23}N_3O_2S$ M 345.459

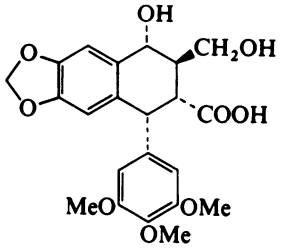
(±)-***form***
Antihypertensive agent.

B,2HCl: [13409-28-4]. Mp 238-240°.

Netherlands Pat., 6 601 699, (*1966*); *CA*, **66**, 2587 (*synth, pharmacol*)

Podophyllic acid P-00376

[518-48-9]



$C_{22}H_{24}O_9$ M 432.426

Derivs. show cytotoxic activity. Cryst. + $3H_2O$ (EtOH aq.). Mp 163-165° dec. $[\alpha]_D^{25}$ −96°.

N-*Ethylhydrazide:* [1508-45-8]. ***Mitopodozide,*** *BAN, INN.*

$C_{24}H_{30}N_2O_8$ M 474.510

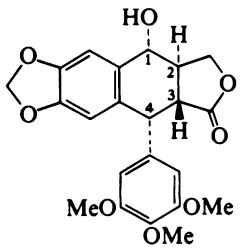
Antineoplastic agent. Mp 100°. $[\alpha]_D$ −149° (c, 0.5 in $CHCl_3$).

▷TP8800000.

Gensler, W.J. *et al, J. Am. Chem. Soc.*, 1954, **76**, 315 (*synth*)
Fr. Pat., 1 312, (*1962*); *CA*, **58**, 3373c (*synth, deriv*)
Stamm, O. *et al, Cancer*, 1965, **18**, 1096 (*pharmacol, deriv*)
Aiyar, V.N. *et al, J. Org. Chem.*, 1975, **40**, 2384 (*synth*)

Podophyllotoxin P-00377

[518-28-5]



$C_{22}H_{22}O_8$ M 414.411

Lignan from *Podophyllum emodi* rhizomes. Potent cytotoxin. Cell division inhibitor. Cryst. (Me_2CO aq. or MeOH). Mp 117-118°.

▷Highly toxic orally, exp. carcinogen

1-β-D-Glucoside:

$C_{28}H_{32}O_{13}$ M 576.553

Isol. from *P. emodi*. Amorph. solid. Mp 149-152°. $[\alpha]_D^{20}$ −65° (c, 0.5 in H_2O); −75° (c, 0.6 in MeOH); −117° (c, 0.67 in Py).

Ac: [1180-34-3]. Cryst. (MeOH). Mp 209.5-210.5°. $[\alpha]_D^{20}$ −143° (c, 1.0 in $CHCl_3$).

1-Epimer: [4375-07-9]. *Epipodophyllotoxin.* Needles (EtOH aq.). Mp 159.4-161.2°. $[\alpha]_D^{20}$ −75° (c, 1 in $CHCl_3$).

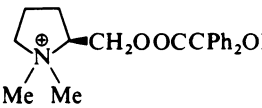
▷LV2520000.

Hartwell, J.L. *et al, J. Am. Chem. Soc.*, 1951, **73**, 2909 (*isol*)
Nadkarni, M.V. *et al, J. Am. Chem. Soc.*, 1953, **75**, 1308 (*isol*)
Stoll, A. *et al, J. Am. Chem. Soc.*, 1954, **76**, 3103 (*isol*)
Gensler, W.J. *et al, J. Am. Chem. Soc.*, 1962, **84**, 1748.
Gensler, W.J. *et al, J. Org. Chem.*, 1966, **31**, 3224.
Duffield, A.M., *J. Heterocycl. Chem.*, 1967, **4**, 16 (*ms*)
Ayres, D.C. *et al, J. Chem. Soc., Perkin Trans. 1*, 1972, 1343 (*pmr*)
Petcher, T.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1973, 288 (*cryst struct*)
Cannetta, R. *et al, Cancer Chemother. Pharmacol.*, 1982, **7**, 103 (*pharmacol*)
Jackson, D.E. *et al, Phytochemistry*, 1984, **23**, 1029, 1037 (*biosynth*)
Inamori, Y. *et al, Chem. Pharm. Bull.*, 1986, **34**, 3928 (*props*)
Kamil, W.M. *et al, Phytochemistry*, 1986, **25**, 2093 (*biosynth*)
Macdonald, D.I. *et al, J. Org. Chem.*, 1986, **51**, 4749 (*synth*)
Vyas, D.M. *et al, Tetrahedron Lett.*, 1986, **27**, 3099 (*synth*)
Van der Eycken, J. *et al, Tetrahedron*, 1986, **42**, 4297 (*synth*)
Jones, D.W. *et al, J. Chem. Soc., Chem. Commun.*, 1987, 1797 (*synth*)
Kaneko, T. *et al, Tetrahedron Lett.*, 1987, **28**, 517 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 919.

Poldine P-00378

2-[[(Hydroxydiphenylacetyl)oxy]methyl]-1,1-dimethylpyrrolidinium, 9CI

[596-50-9]



(S)-form Absolute configuration

$C_{21}H_{26}NO_3^{\oplus}$ M 340.441 (ion)

(S)-form

Antispasmodic, anticholinergic.

Bromide:

$C_{21}H_{26}BrNO_3$ M 420.345

Needles (Me_2CO). Mp 171°.

B,MeSO4: [545-80-2]. *Poldine methylsulfate, USAN. Alfaland. Nactate. Nacton. CLB 499. IS 499. McN-R-726-47.*

$C_{22}H_{29}NO_7S$ M 451.534

Needles. Mp 154-155°.

Blicke, F.F. *et al, J. Am. Chem. Soc.*, 1955, **77**, 29 (*synth*)
Doyle, F.P. *et al, J. Chem. Soc.*, 1958, 4458 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 407.

Polidexide, BAN P-00379

DEAE-Sephadex. Poly[(2-diethylamino)ethyl]-polyglycerylenedextran

[56227-39-5]

Anion exchange resin. Antihypercholesterolaemic agent.

Sulfate: [63494-82-6]. *Polidexide sulfate, INN, BAN. Secholex.*

Day, C.E. *et al, Low Density Lipoproteins*, 1976, 421 (*rev*)
Simons, L.A., *Clin. Exp. Pharmacol. Physiol.*, 1976, **3**, 99 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1355.

Polidocanol, INN P-00380

3,6,9,12,15,18,21,24,27-Nonaoxanonatriacontan-1-ol, 9CI. Nonaethylene glycol monododecyl ether. AET. Atossisclerol. Ethoxysclerol. HPED. Hydroxypolyethoxydodecane. Pistocain. Polisclerol. Sclerorein. Sotravarisc. Thesit. Laureth 9

[3055-99-0]

$$H_3C(CH_2)_{11}(OCH_2CH_2)_9OH$$

$C_{30}H_{62}O_{10}$ M 582.814

Local anaesthetic, antipruritic agent. Mp 33.3-33.6°. n_D^{35} 1.4539.

Zipf, H.F. *et al, Arch. Exp. Pathol. Pharmakol.*, 1964, **247**, 544 (*activity*)
Gerhardt, W., *Monatsber. Deut. Akad. Wiss. Berlin*, 1967, **9**, 922; *CA*, **70**, 97242m (*synth*)
Dittmann, E.Ch., *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1973, **276**, 199 (*props*)
Dorset, D.L., *J. Colloid Interface Sci.*, 1983, **96**, 172 (*conformn, cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 448.

Polihexanide, INN P-00381

*Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl), 9CI. **Polyhexanide, BAN**. Poly(hexamethylenebiguanide). ICI 9073*

[28757-47-3]

$$[(CH_2)_6NHC(NH)NHC(NH)NH]_x$$

$(C_8H_{17}N_5)_x$

Antibacterial agent, disinfectant.

B,HCl: [32289-58-0]. *PHMB.*

Fr. Pat., 1 545 593, (*1968*); *CA*, **70**, 116162d (*synth*)
South African Pat., 6 902 498, (*1970*); *CA*, **74**, 128000v (*synth, props*)
Netherlands Pat., 7 410 546, (*1975*); *CA*, **83**, 109787b (*props*)
Rosenthal, I. *et al*, *J. Food Saf.*, 1982, **4**, 191 (*props, tox*)
Broxton, P. *et al*, *J. Appl. Bacteriol*, 1983, **54**, 345 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13146.

Polycarbophil P-00382

[9003-97-8]

Polyacrylic acid cross-linked with divinyl glycol. Mucoadhesive polymer. Antidiarrhoeal, laxative.

Ca salt: Calcium polycarbophil, USAN. Polycarbophil calcium, BAN. Sorboquel. AHR-3260B.

Danhof, I.E., *Pharmacotherapy* (*Carlisle, Mass.*), 1982, **2**, 18 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5008.

Polyferose, USAN P-00383

Jefron

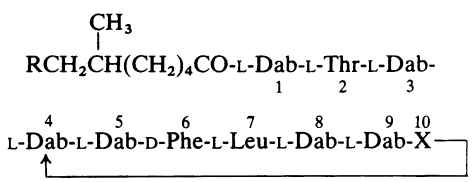
[9009-29-4]

Chelate complex of iron and polymerised sucrose. Haematinic.

Tonkovic, M. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1982, **110**, 197 (*struct*)
Belg. Pat., 897 980, (*1984*); *CA*, **100**, 197816h (*synth*)
Nagy, L. *et al*, *Inorg. Chim. Acta*, 1986, **124**, 55 (*synth*)

Polymyxin B_1 P-00384

[4135-11-9]



R = CH_3, X = L-Thr

$C_{56}H_{93}N_{16}O_{13}$ M 1198.450

Cyclic peptide antibiotic. Isol. from *Bacillus polymyxa*. Antibacterial agent.

▷TR1055000.

B,5HCl: [6883-64-3]. $[\alpha]_D^{25}$ −85.1° (c, 2.33 in EtOH aq.).

Phosphate(1:5): [65814-04-2]. $[\alpha]_D^{25}$ −72.0° (c, 0.35 in H_2O). Dec. at ca. 185-188°.

Mixture with Polymyxin B_2: [1404-26-8]. ***Polymyxin B, INN**. Aerosporin. Bacillosporin. Mastimyxin. Polmix.* Antibacterial. $[\alpha]_{546}$−106.3° (1*M* HCl).

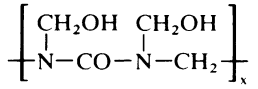
▷TR1050000.

Hausmann, W. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 4892 (*isol*)
Suzuki, T. *et al*, *J. Biochem.* (*Tokyo*), 1964, **56**, 335 (*struct*)
Wilkinson, S. *et al*, *Nature* (*London*), 1964, **202**, 1211 (*struct*)
Volger, K., *Acta Chim. Acad. Sci. Hung*, 1965, **44**, 143; *Helv. Chim. Acta*, **48**, 1161 (*rev, synth*)
Nakajima, K., *Chem. Pharm. Bull.*, 1967, **15**, 1219 (*props*)
Paulus, H., *Antibiotics* (*N.Y.*), 1967, **2**, 254 (*rev*)
Horton, J. *et al*, *Med. Clin. North. Am.*, 1982, **66**, 135 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 139.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2258.

Polynoxylin, INN, BAN P-00385

Urea polymer with formaldehyde, 9CI. Poly[[bis(hydroxymethyl)ureylene]methylene. Methylene, N,N′-bis(hydroxymethyl)urea polymer. Anaflex. Larex. Noxylin. Ponoxylan. Salmocid

[9011-05-6]



$[C_4H_8N_2O_3]_x$

Condensation prod. of formaldehyde and urea. Linear chains poss. slightly cross-linked. Topical antibacterial, antifungal agent. Amorph. powder. Dec. without melting.

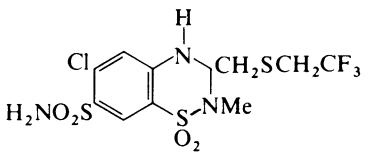
▷YU1610000.

Haler, D. *et al*, *Nature*, 1961, **190**, 734; 1963, **198**, 400 (*synth, pharmacol*)
Kingston, D., *J. Clin. Pathol.*, 1965, **18**, 666 (*pharmacol*)
Wernsdorfer, G. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 1204 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2270.

Polythiazide, BAN, USAN, INN P-00386

6-Chloro-3,4-dihydro-2-methyl-3-[[(2,2,2-trifluoroethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI, 8CI. Diuremade. Drenusil. Lotense. Nephril. Polyregulon. Renese. Toleran. NSC 108161. P 2525

[346-18-9]



$C_{11}H_{13}ClF_3N_3O_4S_3$ M 439.870

Diuretic, antihypertensive agent. Insol. H_2O, sol. dil. alkali. Mp 207-208°.

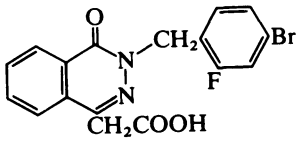
▷DK9275000.

Scriabine, A. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1961, **107**, 864 (*pharmacol*)
Spiekerman, R.E. *et al*, *J. Am. Med. Assoc.*, 1963, **184**, 191 (*pharmacol*)
Oscar, R.S. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
U.S.P., 3 133 060, (*1964*); *CA*, **61**, 1880c (*synth*)
Dupont, L. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 1884 (*cryst struct*)
Kracmar, J. *et al*, *Cesk. Pharm.*, 1971, **20**, 287 (*uv*)
Hobbs, D.C. *et al*, *Clin. Pharmacol. Ther.*, 1978, **23**, 241 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2352.

Ponalrestat, BAN, INN **P-00387**

3-[(4-Bromo-2-fluorophenyl)methyl]-3,4-dihydro-4-oxo-1-phthalazineacetic acid, 9CI. *Statil. ICI 128436*

[72702-95-5]



$C_{17}H_{12}BrFN_2O_3$ M 391.196

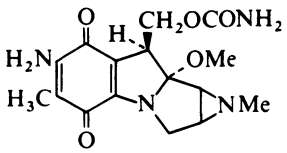
Aldose reductase inhibitor. Antiinflammatory agent. Dimorphic cryst. (MeOH/MeOH aq.). Mp 184-185° (180-182°).

Eur. Pat., 2 895, (*1979*); *CA*, **92**, 76533 (*synth*)
Tomlinson, D.R. *et al*, *Drugs*, 1986, **32**, 15 (*rev*)
Kofo-Abayami, A. *et al*, *J. Pharm. Pharmacol.*, 1987, **39**, 1019 (*pharmacol*)
Poulsom, R., *Prog. Clin. Pharmacol. Res.*, 1987, **232**, 341 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 19329.

Porfiromycin, BAN, INN, USAN **P-00388**

Methylmitomycin C. Mitiromycin D

[801-52-5]



$C_{16}H_{20}N_4O_5$ M 348.358

Isol. from the fermentation broth of *Streptomyces ardus*. Antibacterial and antineoplastic agent. Purple triclinic cryst. Mp 201-201.5° dec. $[\alpha]_D^{25}$ +275° ±55° (c, 0.1 in MeOH).

▷CN0525000.

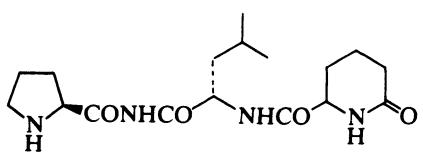
8a-O-De-Me: [10169-34-3]. ***Mitomycin* D.**
$C_{15}H_{18}N_4O_5$ M 334.331
Semisynthetic. Shows antileukaemic props.

8-Epimer: [74707-94-1]. ***Mitomycin* E.**
$C_{16}H_{20}N_4O_5$ M 348.358
Semisynthetic. Shows antileukaemic props.

Webb, T. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 3185, 3187 (*struct*)
Carter, S.K., *Cancer Chemother. Rep. Suppl.*, 1968, **1**, 81 (*rev, pharmacol*)
v. Lear, G.E., *Tetrahedron*, 1970, **26**, 2587 (*struct, ms*)
Nakatsubo, F. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 8115 (*synth, ir, pmr*)
Iyengar, B.S. *et al*, *J. Med. Chem.*, 1981, **24**, 975 (*analogs, props*)
Andrews, P.A. *et al*, *J. Chromatogr.*, 1983, **262**, 231 (*hplc, ms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1880.

Posatirelin, INN **P-00389**

N-[(*6-Oxo-2-piperidinyl*)*carbonyl*]*leucyloprolinamide,* 9CI



(S,S)-form

$C_{17}H_{28}N_4O_4$ M 352.433

(S,S)-form [78664-73-0]

RGH 2202

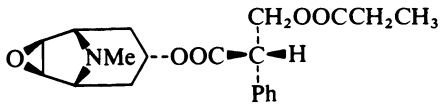
Anorectic. CNS stimulant. Cryst. (EtOH/Et_2O). Mp 214-216°. $[\alpha]_D^{25}$ −80.2° (c, 1 in AcOH).

Szirtes, T. *et al*, *J. Med. Chem.*, 1986, **29**, 1654 (*synth, pharmacol*)

Poskine, BAN, INN **P-00390**

α-[(1-Oxopropoxyl)methyl]benzeneacetic acid 9-methyl-3-oxo-9-aza-tricyclo[3.3.1.0^{2,4}]non-7-yl ester, 9CI. *Propionylscopolamine. Proscopine*

[585-14-8]



$C_{20}H_{25}NO_5$ M 359.421

Anticholinergic. CNS depressant.

B,HBr: Mp 134°.

B.P., 740 830, (*1955*); *CA*, **51**, 506 (*synth*)
De la Lande, F. *et al*, *Aust. J. Pharm.*, 1955, **36**, 1135 (*synth, props*)

Potassium chloride, USAN **P-00391**

Kaochlor. Kay Ciel. Micro-K. Pfiklor

[7447-40-7]

KCl

ClK M 74.551

Replenisher (electrolyte). White cryst. Mp 773°. ^{42}K labelled cpd. is used as a radioactive agent. Component of Klotrix, Infalyte, Kolyum and Lyteers.

▷TS8050000.

Lowenheim, F.A. *et al*, Eds., *Industrial Chemicals*, 4th Ed., Wiley-Interscience, 1975, 666 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5871.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2847.

Potassium iodide **P-00392**

[7681-11-0]

KI

IK M 166.003

Antifungal, expectorant, iodine supplement. Cubic cryst. Mp 723°. Component of Elixophyllin-KI and Quadrinal.

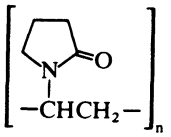
▷TT2975000.

Hildebrandt, *Arch. Exp. Pathol. Pharmakol.*, 1923, **96**, 292 (*tox*)
Inorg. Synth., 1939, **1**, 163 (*synth*)
Waterfall, W.K., *Br. Med. J.*, 1980, **281**, 988 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4579.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2857.

Povidone, USAN **P-00393**

Polyvidone, INN. *1-Ethenyl-2-pyrrolidinone homopolymer, 9CI. Plasdone. Vinisil. Polyvinylpyrrolidone. Kollidon. Other synonyms*

[9003-39-8]



$(C_6H_9NO)_n$

Pharmaceutic aid (dispersing and suspending agent). Faintly-yellow solid.

▷TR8180000.

Cpd. with iodine: [25655-41-8]. *Povidone-Iodine, USAN. Betadine. PVP-Iodine. Iodopovidonum. Jodpolyvinylpyrrolidon. Other synonyms.* Topical antiinfective agent. Yellowish-brown amorph. powder. ^{125}I and ^{131}I labelled compounds are used as radioactive agents.

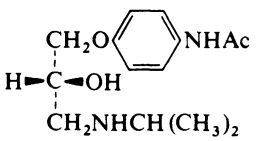
▷TR1579600.

U.S.P., 2 900 305, (*1959*); *CA*, **54**, 1811f (*synth*)
Wood, A.S., *Kirk-Othmer. Encycl. Chem. Technol., 2nd Ed.*, 1970, **21**, 427 (*rev, props, manuf, uses*)
Wessel, W. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1468 (*rev, pharmacol*)
Zamora, J.L., *Am. J. Surg.*, 1986, **151**, 400 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4580, 5450, 5863, 5864.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 468.

Practolol, BAN, USAN, INN **P-00394**

N-[4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-phenyl]acetamide, 9CI. 4'-[2-Hydroxy-3-(isopropylamino)propoxy]acetanilide, 8CI. Dalzic. Eraldin. ICI 50172. Other proprietary names

[6673-35-4]



(*R*)-*form* Absolute configuration

$C_{14}H_{22}N_2O_3$ M 266.339

▷AE4222000.

(R)-form

β-Adrenergic blocker. Mp 130-131.5°.

(±)-*form* [23313-50-0]

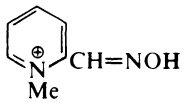
Mp 134-136°.

Dunlop, D. *et al*, *Br. J. Pharmacol. Chemother.*, 1968, **32**, 201 (*pharmacol*)
Nayler, W.G. *et al*, *J. Pharmacol. Exp. Ther.*, 1969, **165**, 225 (*pharmacol*)
Karow, A.M. *et al*, *Fortschr. Arzneimittelforsch.*, 1971, **15**, 103 (*rev, pharmacol*)
Smith, L.H. *et al*, *J. Med. Chem.*, 1971, **14**, 511 (*synth*)
Garteiz, D.A. *et al*, *J. Pharm. Sci.*, 1972, **61**, 1728 (*ms*)
Dring, L.G. *et al*, *Br. J. Clin. Pharmacol.*, 1978, **5**, 262 (*metab*)
Nelson, W.L. *et al*, *J. Org. Chem.*, 1978, **43**, 4907 (*cd, abs config*)
Shanks, R.G., *Discoveries Pharmacol.*, 1984, **2**, 37 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3331.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6320.

Pralidoxime(1+), BAN **P-00395**

2-[(Hydroxyimino)methyl]-1-methylpyridinium, 9CI. 2-Formyl-1-methylpyridinium oxime, 8CI. 1-Methylpicolinaldoxime cation

[6735-59-7]



$C_7H_9N_2O^{\oplus}$ M 137.161 (ion)

Antagonist of cholinesterase inhibitor; nerve gas antidote.

Chloride: [51-15-0]. *Pralidoxime chloride, USAN. ComboPen. Protopam chloride.*
$C_7H_9ClN_2O$ M 172.614
Cryst. (EtOH/Et_2O). Sol. H_2O. Mp 235-238° dec. (226-227° dec.).

▷UU4200000.

Iodide: [94-63-3]. *Pralidoxime iodide, USAN, INN. Protopam iodide. NSC 7760. PAM.*
$C_7H_9IN_2O$ M 264.065
Yellow cryst. (EtOH). Spar. sol. H_2O. Mp 225-226°.

▷UU4375000.

Methanesulphonate: [154-97-2]. *Pralidoxime mesylate, USAN. Protopam methanesulfonate. Contrathion. Contra-stigmin. RP 7676.*
$C_8H_{12}N_2O_4S$ M 232.254
Hygroscopic cryst. (EtOH). V. sol. H_2O. Mp 155°.

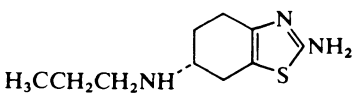
▷UU4570000.

U.S.P., 2 816 113, (*1957*); *CA*, **82**, 10212 (*iodide*)
Creasey, N.H. *et al*, *J. Pharm. Pharmacol.*, 1959, **11**, 485 (*methanesulphonate*)
Kondritzer, A.A. *et al*, *J. Pharm. Sci.*, 1961, **50**, 109 (*chloride*)
Mounter, L.A. *et al*, *Mol. Pharmacol.*, 1968, **4**, 452 (*pharmacol*)
Kaminski, J.J. *et al*, *Tetrahedron*, 1978, **34**, 2857 (*synth*)
Van Havere, W. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2516 (*cryst struct*)
Vale, J.A. *et al*, *Dev. Toxicol. Environ. Sci.*, 1986, **12**, 329 (*rev, use*)
Banakar, U.V. *et al*, *Anal. Profiles Drug Subst.*, 1988, **17**, 533 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1047, 1048, 1049, 1050.

Pramipexole, INN **P-00396**

4,5,6,7-Tetrahydro-N⁶-propyl-2,6-benzothiazolediamine, 9CI

[104617-86-9]



(*R*)-*form*

$C_{10}H_{17}N_3S$ M 211.324

(*S*)-enantiomer 50% more active than (*R*).

(R)-form [104632-28-2]

B,2HCl: [104632-27-1]. Mp 297-298°. $[\alpha]_D^{20}$ +66.0° (c, 1.0 in MeOH).

(S)-form [104632-26-0]

Dopamine agonist.

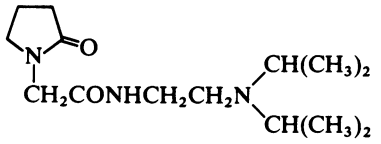
B,2HCl: [104632-25-9]. Cryst. (MeOH). Mp 296-298°. $[\alpha]_D^{20}$ −67.2° (c, 1.0 in MeOH).

Schneider, C.S. *et al*, *J. Med. Chem.*, 1987, **30**, 494 (*synth, resoln, pharmacol*)

Pramiracetam, INN **P-00397**

N-[2-[Bis(1-methylethyl)amino]ethyl]-2-oxo-1-pyrrolidineacetamide. Amacetam. CI 879

[68497-62-1]



$C_{14}H_{27}N_3O_2$ M 269.386

Cognition adjuvant. Nootropic. Oil. $Bp_{0.15}$ 162-164°.

B,HCl: [75733-50-5]. *Pramiracetam hydrochloride, USAN.*

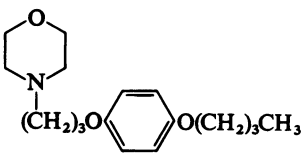
B,H_2SO_4: [72869-16-0]. *Pramiracetam sulfate, USAN.*

Chang, T. *et al, J. Chromatogr.*, 1983, **274**, 346 (*glc*)
Poschel, B.P.H. *et al, Drugs Exp. Clin. Res.*, 1983, **9**, 853 (*pharmacol*)
Butler, D.E. *et al, J. Med. Chem.*, 1984, **27**, 684 (*synth, pharmacol*)
Chang, T. *et al, J. Clin. Pharmacol.*, 1985, **25**, 291 (*pharmacol*)
Poschel, B.P.H. *et al, Experientia*, 1985, **41**, 1153 (*pharmacol*)
Bandoli, G. *et al, J. Mol. Struct.*, 1987, **157**, 311 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16967.

Pramoxine, BAN **P-00398**

4-[3-(4-Butoxyphenoxy)propyl]morpholine, 9CI, 8CI. Pramocaine, INN. Pallisan. Prax. Tronothane

[140-65-8]



$C_{17}H_{27}NO_3$ M 293.405

Local anaesthetic. Oil. Bp_6 196°.

▷QD8575000.

B,HCl: [637-58-1]. *Proxazocaine hydrochloride. Proctofoam. Pramoxine hydrochloride, USAN. Tronolane. Trontane.* Mp 181-183°.

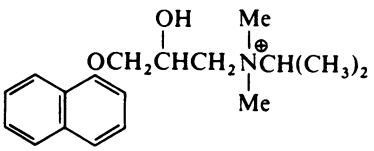
▷QD8750000.

Wright, H.B. *et al, J. Am. Chem. Soc.*, 1951, **73**, 2281; 1954, **76**, 4396 (*synth*)
U.S.P., 2 870 150, (*1959*); *CA*, **53**, 10259c (*synth, pharmacol*)
Thompson, W.E. *et al, J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7642.

Pranolium(1+) **P-00399**

2-Hydroxy-N,N-dimethyl-N-(1-methylethyl)-3-(1-naphthalenyloxy)-1-propanaminium, 9CI

[50643-33-9]



$C_{18}H_{26}NO_2^{\oplus}$ M 288.409 (ion)

Antiarrhythmic drug. Cardiac depressant.

Chloride: [42879-47-0]. *Pranolium chloride, USAN, INN. Methylpropanolol methochloride. SC 27761.*

$C_{18}H_{26}ClNO_2$ M 323.862

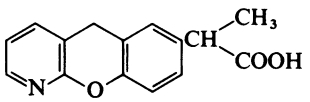
Cryst. (methyl ethyl ketone). Mp 168-171°.

Kniffen, F.J. *et al, J. Pharmacol. Exp. Ther.*, 1973, **187**, 260 (*pharmacol*)
U.S.P., 3 840 666, (*1974*); *CA*, **80**, 95610n (*synth, pharmacol*)
Barrow, A. *et al, Xenobiotica*, 1980, **10**, 219 (*metab*)
Kopia, G.A. *et al, New Drugs Annu.: Cardiovasc. Drugs*, 1983, **1**, 151 (*rev, pharmacol*)
Stankeviciene, L. *et al, Khim.-Farm. Zh.*, 1983, **17**, 554 (*synth*)

Pranoprofen, INN, JAN **P-00400**

α-Methyl-5H-[1]benzopyrano[2,3-b]pyridine-7-acetic acid, 9CI. 2-(5H-[1]Benzopyrano[2,3-b]pyridinyl)-propanoic acid. Piranoprofen. Niflam. Y 8004

[52549-17-4]



$C_{15}H_{13}NO_3$ M 255.273

▷DJ3100950.

(±)-form

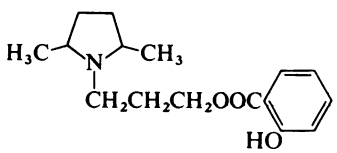
Analgesic, antiinflammatory agent. Cryst. (dioxan). Mp 182-183°.

Ger. Pat., 2 337 052, (*1974*); *CA*, **80**, 108503g (*synth, pharmacol*)
Smeyers, Y.G. *et al, J. Chim. Phys.-Phys. Chim. Biol.*, 1987, **84**, 779 (*pharmacol*)
Terasawa, M. *et al, CA*, 1987, **106**, 149122f (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3847.

Pranosal, INN **P-00401**

2-Hydroxybenozic acid 3-(2,5-dimethyl-1-pyrrolidinyl)-propyl ester, 9CI. 3-(2,5-Dimethyl-1-pyrrolidinyl)propyl salicylate, 8CI. 2,5-Dimethyl-1-pyrrolidinepropanol salicylate

[17716-89-1]



$C_{16}H_{23}NO_3$ M 277.363

Analgesic, antiinflammatory agent. $Bp_{0.8}$ 166-167°.

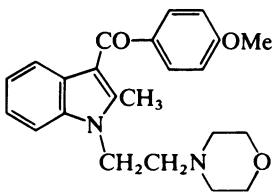
B,HCl: [17777-78-5]. Cryst. (EtOAc). Mp 118°.

Fr. Pat., M3911, (*1966*); *CA*, **68**, 59430x (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13160.

Pravadoline, INN **P-00402**

(4-Methoxyphenyl)[2-methyl-1-[2-(4-morpholinyl)-ethyl]-1H-indol-3-yl]methanone, 9CI

[92623-83-1]



$C_{23}H_{26}N_2O_3$ M 378.470

Analgesic. Cryst. (EtOAc/hexane). Mp 104-105°.

B,HCl: Cryst. (H_2O). Mp 178-182°.

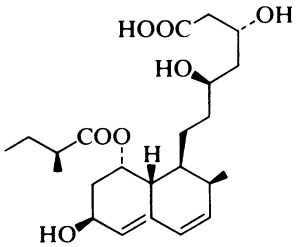
B,MeSO$_3$H: Cryst. (2-propanol/Et$_2$O). Mp 162-164°.

Eur. Pat., 171 037, (*1986*); *CA*, **105**, 78832 (*synth, pharmacol*)
Johnston, D. *et al*, *J. Labelled Compd. Radiopharm.*, 1987, **24**, 339 (*synth*)

Pravastatin P-00403

1,2,6,7,8,8a-Hexahydro-β,δ,6-trihydroxy-2-methyl-8-(2-methyl-1-oxobutoxy)-1-naphthaleneheptanoic acid, 9CI

[81093-37-0]



$C_{23}H_{36}O_7$ M 424.533

Isol. from *Absidia coerulea*. Antihypercholesterolaemic agent.

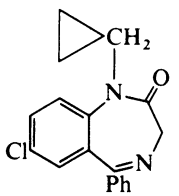
Na salt: [81131-70-6]. *Eptastatin sodium. CS 514.*

Japan. Pat., 84 48 418, (*1984*); *CA*, **101**, 28292 (*isol*)
Haruyama, H. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1459 (*synth, pmr*)
Nakaya, N. *et al*, *Atherosclerosis* (*Shannon, Ireland*), 1986, **61**, 125 (*pharmacol*)
Tsujita, Y. *et al*, *Biochim. Biophys. Acta*, 1986, **877**, 50 (*pharmacol*)
Saito, Y. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 251 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3758.

Prazepam, BAN, USAN, INN, JAN P-00404

7-Chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-2H-1,4-benzodiazepin-2-one, 9CI, 8CI. Verstran. Demetrin. Other proprietary names

[2955-38-6]



$C_{19}H_{17}ClN_2O$ M 324.809

Muscle relaxant, sedative, tranquilliser. Mp 144-147°.

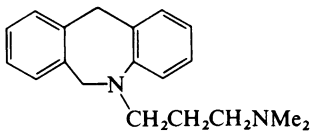
▷DF2368000.

Inaba, S. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 1263 (*synth*)
Robichaud, R.C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **185**, 213 (*pharmacol*)
Sugerman, A.A. *et al*, *J. Clin. Pharmacol.*, 1971, **11**, 383 (*pharmacol*)
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Greenblatt, D.J. *et al*, *New Engl. J. Med.*, 1978, **299**, 1342 (*rev, pharmacol*)
Brachtel, G. *et al*, *Cryst. Struct. Commun.*, 1981, **40**, 669 (*cryst struct*)
Cazaux, L. *et al*, *Org. Magn. Reson.*, 1983, **21**, 190 (*cmr, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5131.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7095.

Prazepine, INN P-00405

6,11-Dihydro-N,N-dimethyl-5H-dibenz[b,e]azepine-5-propanamine, 9CI. 5-[3-(Dimethylamino)propyl]-5,6-dihydromorphanthridine. 5,6-Dihydro-N-[3-(dimethylamino)propyl]-11H-dibenz[b,e]azepine. Propazepine

[73-07-4]



$C_{19}H_{24}N_2$ M 280.412

Antidepressant. $Bp_{0.4}$ 176-182°.

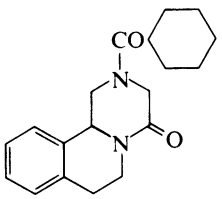
B,HCl: Cryst. (MeOH/Et$_2$O). Mp 183°.
B,MeI: Cryst. (EtOH). Mp 189-190°.

Protiva, M. *et al*, *Experientia*, 1957, **13**, 291 (*synth, props*)
Metysova-Sramkova, J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1963, **44**, 481 (*pharmacol*)
Jilek, J.O. *et al*, *Collect. Czech. Chem. Commun.*, 1965, **30**, 445 (*synth*)
Werner, L.H. *et al*, *J. Med. Chem.*, 1965, **8**, 74 (*synth, props*)
Niemegeers, C.J.E. *et al*, *Ind. Pharmacol.*, 1975, **2**, 125 (*pharmacol*)

Praziquantel, BAN, INN, USAN P-00406

2-(Cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-4H-pyrazino[2,1-a]isoquinolin-4-one, 9CI. Biltricide. Cesol. Cestox. Cisticide. Droncit. Pyquiton. EMBAY 8440

[55268-74-1]



$C_{19}H_{24}N_2O_2$ M 312.411

Vet. anthelmintic. Cryst. (EtOAc/hexane). Mp 136-138°.

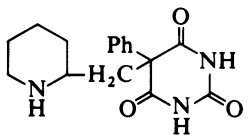
▷UQ4150000.

Bogan, J.A., *Drugs of Today*, 1977, **13**, 121 (*pharmacol*)
Seubert, J. *et al*, *Experientia*, 1977, **33**, 1036 (*rev, synth, pharmacol*)
Frehel, D. *et al*, *Heterocycles*, 1983, **20**, 1731 (*synth*)
Groll, E., *Adv. Pharmacol. Chemother.*, 1984, **20**, 219 (*rev, pharmacol*)
Katiyar, J.C. *et al*, *J. Sci. Ind. Res.*, 1984, **43**, 219 (*rev*)
Blaschke, G. *et al*, *Chem. Ber.*, 1985, **118**, 4620 (*cd, abs config*)
Yuste, F. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 189 (*synth, pmr, cmr, ms*)
Harder, A. *et al*, *Biochem. Soc. Trans.*, 1987, **15**, 68 (*rev, props*)
Mahmoud, A.A.F., *Adv. Intern. Med.*, 1987, **32**, 193 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13161.

Prazitone, BAN, INN **P-00407**

5-Phenyl-5-(2-piperidinylmethyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Phenyl-5-(2-piperidylmethyl)-barbituric acid

[2409-26-9]



$C_{16}H_{19}N_3O_3$ M 301.344

Antidepressant.

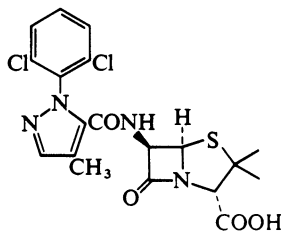
B,HCl: [1454-04-2]. *AGN 511.* Mp 197-199°.

B.P., 977 321, (*1964*); *CA*, **62**, 14694 (*synth, pharmacol*)
Fr. Pat., 2 154 517, (*1973*); *CA*, **79**, 129102v (*pharmacol*)

Prazocillin, INN **P-00408**

Pirazocillin. Pyrazocillin. F 75

[15949-72-1]



$C_{19}H_{18}Cl_2N_4O_4S$ M 469.342

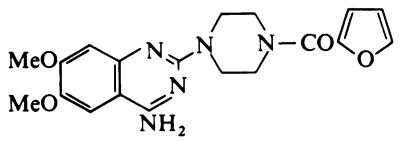
Semisynthetic. Active against penicillinase-producing strains of *Staphylococcus aureus.*

Netherlands Pat., 6 613 374, (*1967*); *CA*, **67**, 82208 (*synth*)
Koczka, I. *et al*, *CA*, 1975, **82**, 106287.

Prazosin, BAN **P-00409**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-furanylcarbonyl)piperazine, 9CI. 1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-furoyl)piperazine, 8CI. Other proprietary names

[19216-56-9]



$C_{19}H_{21}N_5O_4$ M 383.406

Antihypertensive agent. Mp 278-280°.

▷VA1300000.

B,HCl: [19237-84-4]. *Prazosin hydrochloride, USAN, JAN. Hypovase. Minipress.*

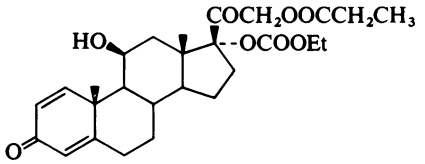
▷VA1350000.

Brogden, R.N. *et al*, *Drugs*, 1977, **14**, 163 (*rev, pharmacol*)
Honkanen, E. *et al*, *Finn. Chem. Lett.*, 1979, 20 (*ms*)
Cavero, I. *et al*, *Life Sci.*, 1980, **27**, 1525 (*rev, pharmacol*)
Honkanen, E. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 797 (*synth, bibl*)
Rawlins, M.D., Ed., *Prazosin: Pharmacology, Hypertension and Congestive Heart Failure*, Grune and Stratton, N.Y., 1981 (*book*)
Reid, J.L. *et al*, *Cardiology*, 1986, **73**, 164 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5260.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 896.

Prednicarbate, USAN, INN **P-00410**

17-[(Ethoxycarbonyl)oxy]-11β-hydroxy-21-(1-oxopropoxy)pregna-1,4-diene-3,20-dione, 9CI. Dermatop. EsCort. Hoe 777. S 770777

[73771-04-7]



$C_{27}H_{36}O_8$ M 488.577

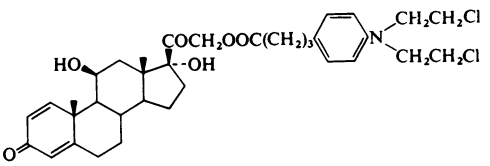
Glucocorticoid, antiinflammatory agent. Mp 110-112°, Mp 183°.

Alpermann, H.G. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 633 (*pharmacol*)
Stache, U. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 1753 (*synth, pmr, uv, ms*)
Vogel, H.G. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 939 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2367.

Prednimustine, USAN, INN **P-00411**

21-[4-[4-[Bis(2-chloroethyl)amino]phenyl]-1-oxobutoxy]-11β,17-dihydroxypregna-1,4-diene-3,20-dione, 9CI. 11β,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-[4-[p-[bis(2-chloroethyl)amino]phenyl]butyrate], 8CI. Mostarina. Sterecyt. Stereocyt. EORTC 1502. Leo 1031. NSC 134087

[29069-24-7]



$C_{35}H_{45}Cl_2NO_6$ M 646.650

Antineoplastic agent. Cryst. (MeOH aq.). Mp 163-164°. $[\alpha]_D^{24}$ +92.9° (c, 1.06 in $CHCl_3$).

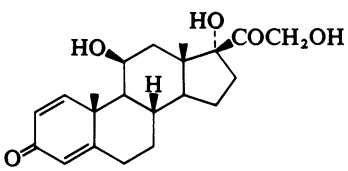
▷TU4153000.

Ger. Pat., 2 001 305, (*1970*); *CA*, **73**, 99119n (*synth, pharmacol*)
Harrap, K.R. *et al*, *Eur. J. Cancer*, 1977, **15**, 873 (*pharmacol*)
Kirdani, R.Y. *et al*, *Oncology*, 1978, **35**, 47 (*metab*)
Holmberg, K. *et al*, *Acta Chem. Scand., Ser. B*, 1979, **33**, 410 (*synth*)
Neuman, M. *et al*, *Drugs of Today*, 1980, **16**, 82 (*rev, pharmacol*)
Hartley-Asp, B., *Semin. Oncol.*, 1986, **13**, 3 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1859.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2285.

Prednisolone, BAN **P-00412**

11β,17α,21-Trihydroxy-1,4-pregnadiene-3,20-dione. Dehydrocortisol. 1-Dehydrohydrocortisone. Numerous other synonyms

[50-24-8]



$C_{21}H_{28}O_5$ M 360.449

Important glucocorticoid. Antiinflammatory, antiallergic agent. Cryst. Mp 240-241° dec. $[\alpha]_D^{25}$ +102° (dioxan). Numerous derivs. are also in widespread use.

▷TU4152000.

21-Ac: [52-21-1]. ***Prednisolone acetate, USAN.*** *Prednelan. Numerous proprietary names.*
$C_{23}H_{30}O_6$ M 402.486
Antiinflammatory agent. Cryst. Mp 237-239° dec. $[\alpha]_D^{25}$ +116° (dioxan). Component of Cetapred, Metimyd and Mydrapred.

▷TU4152500.

21-Disodium phosphate: [125-02-0]. ***Prednisolone sodium phosphate, USAN.*** *Predsol.*
$C_{21}H_{27}Na_2O_8P$ M 484.393
Glucocorticoid. Slightly hygroscopic powder. $[\alpha]_D^{25}$ +102.5° (c, 1 in H_2O). Component of Optimyd and Vasocidin.

▷TU4153300.

21-(6-Carboxy-3-cyclohexen-1-yl)carbonyl: [3331-71-3]. ***Prednisolone hydrogen tetrahydrophthalate.***
$C_{29}H_{36}O_8$ M 512.599
Antiinflammatory, antiallergic agent. Mp 233-234°, Mp 145-150°. $[\alpha]_D^{20}$ +84° and +86.9° respec. Dimorphic.

21-(6-Carboxy-3-cyclohexen-1-yl)carbonyl, Na salt: [10059-14-0]. *Prednisolone sodium tetrahydrophthalate. Fenicort. Ultracorten H. Ciba 21851-Ba.*

21-(3-Carboxypropanoyl): [2920-86-7]. *Prednisolone succinate. Prednisolone hemisuccinate, USAN. Numerous proprietary names.*
$C_{25}H_{32}O_8$ M 460.523
Antiinflammatory, antiallergic agent. Cryst. (EtOAc). Mp 206°.

21-(3-Carboxypropanoyl), Na salt: [1715-33-9]. *Prednisolone sodium succinate.*

▷TU4153500.

21-(3-Carboxypropanoyl); compd. with #84953-1: [5714-75-0]. ***Prednazate, INN, USAN.*** *Sch 6620.*
Antiinflammatory agent. Component of Sixtysix-20.

21-(Diethylaminoacetyl): [5626-34-6]. ***Prednisolamate, BAN, INN.*** *Deltacortril D. Magnadelt.*
$C_{27}H_{39}NO_6$ M 473.608
Corticosteroid, antineoplastic agent. Mp 175-177°.

21-(Diethylaminoacetyl); B,HCl: [17140-01-1]. Cryst. (EtOH). Mp 237.4-239.8°. $[\alpha]_D$ +120.7° (H_2O).

21-(3,3-Dimethylbutanoyl): [7681-14-3]. *Prednisolone* tert*-butylacetate.* ***Prednisolone tebutate, USAN.*** *Codelcortrone TBA. Hydeltra TBA. Hydaltrone TBA. Metalone TBA.*
$C_{27}H_{38}O_6$ M 458.594
Antiinflammatory, antiallergic agent. Cryst. (EtOH). Mp 266-273°.

21-(2,2-Dimethylpropanoyl): [1107-99-9]. ***Prednisolone pivalate.*** *Prednisolone trimethylacetate. Mecortolon. Ultracortenol. Ultracorterenol. Vecortenol.*
$C_{26}H_{36}O_6$ M 444.567
Adrenocortical steroid. Antiinflammatory, antiallergic agent. Cryst. (Me_2CO). Mp 234-236°. $[\alpha]_D^{26}$ +103° (c, 1.208 in $CHCl_3$).

21-Hexadecanoyl: [54267-10-6]. ***Prednisolone palmitate.*** *Cortomas. Deltolio. Lepicortinolo-Gotas.*
$C_{37}H_{58}O_6$ M 598.862
Antiinflammatory, antiallergic agent.

21-(Octadecanoyloxyacetyl): [5060-55-9]. ***Prednisolone stearoylglycolate.*** *Prednisolone steaglate, INN. Other proprietary names.*
$C_{41}H_{64}O_8$ M 684.952
Antiinflammatory, antiallergic agent. Cryst. (EtOH aq. or butyl ether). Mp 105-107°. $[\alpha]_D^{20}$ +57° to +63° (dioxan).

17-Pentanoyl: [15180-00-4]. ***Prednisolone valerate.*** *Prednival. W 4869.*
$C_{26}H_{36}O_6$ M 444.567
Antiinflammatory, antiallergic agent. Cryst. (MeOH aq.). Mp 210-213°. $[\alpha]_D$ +3.5° (dioxan).

▷TU4154065.

17-Pentanoyl, 21-Ac: [72064-79-0]. ***Prednisolone valeroacetate.*** *Prednival acetate. Acepreval. Lidomex.*
$C_{28}H_{38}O_7$ M 486.604
Antiinflammatory, antiallergic agent. Mp 132-135°. $[\alpha]_D$ +46.5°. Dimorphic. Phys. props. for only one modification given.

▷TU3687000.

21-(Piperidinoacetyl): ***Prednisolone piperidinoacetate.*** *Scherisolon solubile.*
$C_{28}H_{39}NO_6$ M 485.619
Antiinflammatory, antiallergic agent.

21-(Piperidinoacetyl); B,HCl: [16898-31-0]. Mp 218-220°. $[\alpha]_D$ +118° (EtOH).

21-(3-Sulfobenzoyl): [3694-41-5]. *Prednisolone* m*-sulfobenzoate. Other proprietary names.*
$C_{28}H_{32}O_9S$ M 544.615
Antiinflammatory, antiallergic agent.

21-(3-Sulfobenzoyl), Na salt: [630-67-1]. *Prednisolone* m*-sulfobenzoate sodium. Solupred.* Cryst. (H_2O). $[\alpha]_D$ +170° (c, 1 in H_2O). Dec. at 293-295°.

21-Dihydrogen phosphate, compd. with 2-[(2-isopropylphenoxy)methyl]-2-imidazoline: [6693-90-9]. ***Prednazoline, INN.***
$C_{22}H_{29}O_8P$ M 452.440

21-[4-[4-[Bis(2-chloroethyl)amino]phenyl]butanoyl: see Prednimustine, P-00411

21-Propanoyl, 17-(ethyl carbonate): see Prednicarbate, P-00410

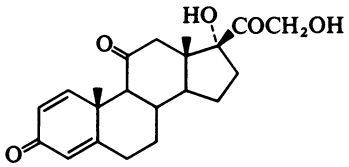
Herzog, H.L. *et al, Science*, 1955, **121**, 176 (*struct*)
Nobile, A. *et al, J. Am. Chem. Soc.*, 1955, **77**, 4184 (*biosynth*)
Vischer, E. *et al, Helv. Chim. Acta*, 1955, **38**, 1502 (*Pivalate*)
U.S.P., 2 736 734, (*1956*); *CA*, **50**, 7162d (*Tebutate*)
U.S.P., 2 789 117, (*1957*); *CA*, **51**, 13947d (*Phosphate*)
Ger. Pat., 1 045 400, (*1958*); *CA*, **55**, 2746 (*Succinate*)
Poos, G.I. *et al, Chem. Ind. (London)*, 1958, 1260 (*Phosphate*)
B.P., 853 402, (*1960*); *CA*, **55**, 17694 (*Sulfobenzoate*)
Zicha, L. *et al, Arzneim.-Forsch.*, 1960, **10**, 728, 831 (*pharmacol, derivs*)
B.P., 862 370, (*1961*); *CA*, **55**, 20010 (*Prednisolamate*)
Gardi, R. *et al, Tetrahedron Lett.*, 1961, 448 (*Prednival*)
Pancrazio, G. *et al, Farmaco, Ed. Prat.*, 1961, **16**, 190 (*Prednisolamate*)
Ger. Pat., 1 122 951, (*1962*); *CA*, **57**, 5990 (*Tetrahydrophthalate*)
Herzog, H.L. *et al, Tetrahedron*, 1962, **18**, 581 (*synth*)
B.P., 940 701, (*1963*); *CA*, **60**, 8107 (*Prednazate*)
U.S.P., 3 086 011, (*1963*); *CA*, **59**, 10188a (*Piperidinoacetate*)
Gardi, R. *et al, Gazz. Chim. Ital.*, 1963, **93**, 431 (*Prednival, acetate*)
Hirschmann, R. *et al, J. Am. Chem. Soc.*, 1964, **86**, 3903 (*synth*)
Giraldi, P.N. *et al, Arzniem.-Forsch.*, 1966, **16**, 162, 164 (*Steaglate, Pivalate*)
Toft, P. *et al, Can. J. Spectrosc.*, 1970, **15**, 137 (*ms*)
De Angelis, L., *Drugs of Today*, 1979, **15**, 421 (*rev, Prednival, acetate*)
Al-Habet, S. *et al, Br. J. Clin. Pharmacol.*, 1980, **10**, 503 (*Phosphate*)
Calasco, G. *et al, Farmaco, Ed. Prat.*, 1980, **35**, 107 (*Predriwal, acetate*)
Gambertoglis, J.G. *et al, J. Pharmacokinet. Biophem.*, 1980, **8**, 1 (*rev, pharmacol*)
Jusko, W.J. *et al, Ther. Drug Monit.*, 1980, **2**, 169 (*rev, pharmacol*)
Gonzalez, M.D. *et al, Org. Magn. Reson.*, 1984, **22**, 586 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6297, 6321, 6941, 7315, 7660, 8188.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1120-1129.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2285.

Prednisone, BAN, INN, USAN **P-00413**

17α,21-Dihydroxy-1,4-pregnadiene-3,11,20-trione. 1,2-Dehydrocortisone. Deltacortisone. Metacortandracin. NSC 10023. Numerous synonyms

[53-03-2]



$C_{21}H_{26}O_5$ M 358.433

Corticosteroid. Cryst. Mp 233-235° dec. $[\alpha]_D^{25}$ +172° (dioxan).

▷TU4154100.

21-Ac: [125-10-0]. ***Prednisone acetate***. *Delta-Corlin. Delcortin.*

$C_{23}H_{28}O_6$ M 400.471

Cryst. Mp 226-232° dec. $[\alpha]_D^{25}$ +186° (dioxan).

▷TU4154085.

21-(3-Carboxypropanoyl): [24808-87-5]. ***Prednisone succinate***.

$C_{25}H_{30}O_8$ M 458.507

Antiinflammatory. Glucocorticoid. Mp 210-215°. Used as Na salt.

21-Hexadecanoyl: [39007-81-3]. ***Prednisone palmitate***. *Itacortone.*

$C_{37}H_{56}O_6$ M 596.846

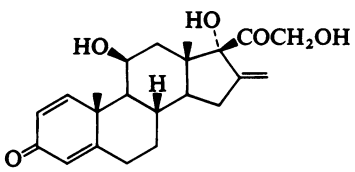
Antiinflammatory. Glucocorticoid.

Herzog, H.L. *et al*, *Science*, 1955, **121**, 176 (*struct*)
Nobile, A. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 4184 (*synth*)
Ger. Pat., 1 089 755, (*1960*); *CA*, **55**, 20008 (*succinate*)
Herzog, H.L. *et al*, *Tetrahedron*, 1962, **18**, 581 (*synth*)
Spanish Pat., 371 696, (*1972*); *CA*, **77**, 164983 (*palmitate*)
Pickup, M.E., *Clin. Pharmacokinet.*, 1979, **4**, 111 (*rev*)
Tseikinskii, V.M. *et al*, *Bioorg. Khim.*, 1979, **5**, 1677 (*cryst struct*)
Gambertoglio, J.G. *et al*, *J. Pharmacokinet. Biopharm.*, 1980, **8**, 1 (*rev*)
Hickey, J.P. *et al*, *J. Magn. Reson.*, 1980, **38**, 501 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6213.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1130, 1131.

Prednylidene, BAN, INN **P-00414**

11β,17α,21-Trihydroxy-16-methylene-1,4-pregnadiene-3,20-dione, 9CI. 16-Methyleneprednisolone. Dacortilene. Dacortin. Decortilen. Sterocort. St 105

[599-33-7]



$C_{22}H_{28}O_5$ M 372.460

Semisynthetic compd. prod. from the corresponding dione by incubation with *Bacillus sphaericus*.

Glucocorticoid. Antiinflammatory agent. Cryst. Mp 233-235°. $[\alpha]_D^{23}$ +31° (dioxan), $[\alpha]_D$ +22° ($CHCl_3$).

21-Diethylaminoacetyl: [6890-42-2]. ***Prednylidene diethylaminoacetate***. *Dacorsol. Decortilene soluble.*

$C_{28}H_{39}NO_6$ M 485.619

Glucocorticoid. Antiinflammatory agent. Mp 195-196°. $[\alpha]_D$ +32° (dioxan).

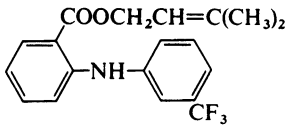
21-Diethylaminoacetyl; B,HCl: Mp 245-246°. $[\alpha]_D$ +45° (H_2O).

Mannhardt, H.J. *et al*, *Tetrahedron Lett.*, 1960, No. 16, 21.
Ger. Pat., 1 134 074, (*1962*); *CA*, **58**, 568 (*synth, deriv*)
Hepding, L. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 899 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1132.

Prefenamate, INN **P-00415**

3-Methyl-2-butenyl 2-[[3-(trifluoromethyl)phenyl]-amino]benzoate, 9CI. 3-Methyl-2-butenyl N-(α,α,α-*trifluoro*-m-*tolyl*)*anthranilate*

[57775-28-7]



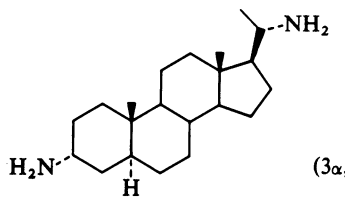
$C_{19}H_{18}F_3NO_2$ M 349.352

Antiinflammatory, analgesic agent.

Spanish Pat., 440 491, (*1977*); *CA*, **87**, 134705p (*synth, pharmacol*)

Pregnane-3,20-diamine **P-00416**

3,20-Diaminopregnane



(3α,5α,20*S*)-*form*

$C_{21}H_{38}N_2$ M 318.545

Note: the Epipachysamines are not epimers of the Pachysamines.

(*3α,5α,20S*)-*form*

N^3,N^{20},N^{20}-*Tri-Me:* [6801-29-2]. ***Pachysamine* A**. *20S-Dimethylamino-3α-methylamino-5α-pregnane.*

$C_{24}H_{44}N_2$ M 360.625

Alkaloid from *Pachysandra terminalis* (Buxaceae). Cryst. (Me_2CO/CH_2Cl_2). Mp 171-173° (167-168°). $[\alpha]_D^{10}$ +20° ($CHCl_3$).

N^3,N^{20},N^{20}-*Tri-Me*, N^3-*Ac:* [15027-96-0]. N^3-***Acetylpachysamine* A**.

$C_{26}H_{46}N_2O$ M 402.662

Alkaloid from *P.* spp. (Buxaceae). Mp 150-152°.

N^3,N^{20},N^{20}-*Tri-Me*, N^3-(*3-Methyl-2-butenoyl*): [6792-14-9]. ***Pachysamine* B**.

$C_{29}H_{50}N_2O$ M 442.727

Alkaloid from *P. terminalis* (Buxaceae). Mp 171-173°. $[\alpha]_D^{10}$ +67° ($CHCl_3$).

N^3,N^3,N^{20}-*Tri-Me*, N^{20}-*Ac:* [15437-92-0]. ***Saracodine***. *Alkaloid* A.

$C_{26}H_{46}N_2O$ M 402.662

Alkaloid from *Sarcococca pruniformis* (Buxaceae). Shows monoamine oxidase inhibitor-like activity. Cryst. (MeOH). Mp 247°. $[\alpha]_D^{23}$ −10° ($CHCl_3$).

N^{20},N^{20}-*Di-Me*, N^3-(*3-Methyl-2-butenoyl*): ***3α-β,β-Dimethylacryloylamino-20α-dimethylamino-5α-pregnane***.

$C_{28}H_{48}N_2O$ M 428.700

Alkaloid from *S. pruniformis* (Buxaceae). Mp 148-150°. $[\alpha]_D^{25}$ +46° ($CHCl_3$).

N^3,N^3,N^{20},N^{20}-*Tetra-Me:* **N-*Methylpachysamine* A**. (*3α,5α,20S*)-*3,20-Bis(dimethylamino)pregnane. Base X.*

$C_{25}H_{46}N_2$ M 374.652

Alkaloid from *P. terminalis* (Buxaceae). Cryst. (Me_2CO/CH_2Cl_2). Mp 165-166°. $[\alpha]_D$ +16° ($CHCl_3$).

(3β,5α,20S)-form [7050-25-1]

N^3,N^3-*Di-Me:* [5141-99-1]. ***Funtudiamine* A**. *Epipachysamine* F.
$C_{23}H_{42}N_2$ M 346.598
Alkaloid from *Funtumia latifolia*. Minor alkaloid from *P. terminalis* (Apocynaceae, Buxaceae). Mp 80°. $[\alpha]_D$ +6° ($CHCl_3$).

N^3,N^3-*Di-Me*, N^{20}-*Ac:* Cryst. (Me_2CO). Mp 250-253°. $[\alpha]_D$ +6° ($CHCl_3$).

N^3,N^{20}-*Di-Me:* [4215-74-1]. ***Epipachysamine* C**. *Dictyodiamine.*
$C_{23}H_{42}N_2$ M 346.598
Alkaloid from *P. terminalis* and *Dictyophleba lucida* roots (Buxaceae, Apocynaceae). Mp 116°. $[\alpha]_D$ +22° ($CHCl_3$).

N^3,N^{20}-*Di-Me*, N^3,N^{20}-*Di-Ac:* [4947-48-2]. **N,N-*Diacetylepipachysamine* C**.
$C_{27}H_{46}N_2O_2$ M 430.673
Alkaloid from *P. terminalis* (Buxaceae). Cryst. (Me_2CO). Mp 242-243°. $[\alpha]_D$ −16° ($CHCl_2$).

N^3,N^3,N^{20}-*Tri-Me:* ***Funtudiamine* B**. *Deacetylepipachysamine* A.
$C_{24}H_{44}N_2$ M 360.625
Alkaloid from *F. latifolia* and *P. terminalis* (Apocynaceae, Buxaceae). Mp 96-98° (90-100°). $[\alpha]_D$ +23° (+20°) ($CHCl_3$).

N^3,N^3,N^{20}-*Tri-Me*, N^{20}-*Ac:* [2309-42-4]. ***Epipachysamine* A**.
$C_{26}H_{46}N_2O$ M 402.662
Alkaloid from *P. terminalis* (Buxaceae). Cryst. (Me_2CO). Mp 201-203°. $[\alpha]_D$ −17° (−10°) ($CHCl_3$).

N^3,N^{20},N^{20}-*Tri-Me:* [4947-43-7]. ***Dictyophlebine***.
$C_{24}H_{44}N_2$ M 360.625
Alkaloid from the roots of *D. lucida* and from *F. latifolia* (Apocynaceae). Mp 148-151°. $[\alpha]_D^{30}$ +32° (+20°) (c, 1.0 in $CHCl_3$).

N^3,N^3,N^{20},N^{20}-*Tetra-Me:* ***Dihydrokurchessine***. *3β,20S-Bis(dimethylamino)-5α-pregnane.*
$C_{25}H_{46}N_2$ M 374.652
Alkaloid from *Malouetia tamaquarina* (Apocynaceae). Mp 106-108°. $[\alpha]_D$ +28° ($CHCl_3$).

N-*Hexa-Me:* ***Malouetine***.
$C_{27}H_{52}N_2^{\oplus\oplus}$ M 404.721 (ion)
Quaternary alkaloid from *M. bequaertiana* (Apocynaceae). Curarising agent.

N-*Hexa-Me, dichloride:* [10308-44-8].
$C_{27}H_{52}Cl_2N_2$ M 475.627
Noncryst. $[\alpha]_D$ +3° (H_2O).

▷BS4034000.

N-*Hexa-Me, dipicrate:* Mp 264°.

(3β,5β,20S)-form
$Bp_{0.05}$ 220-230°. $[\alpha]_D^{31}$ +13° (c, 1.3 in EtOH).

(3β,5α,20R)-form
Noncryst.

B,HCl: Mp >300°.

N^3,N^{20}-*Di-Ac:* Mp 284-288°. $[\alpha]_D$ +13° (MeOH).

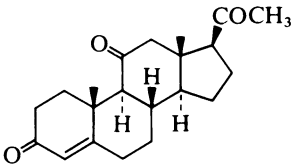
N-*Tetra-Me:* Cryst. (Me_2CO). Mp 120-121°.

Janot, M.M. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 111 (*Malouetine*)
Crabbé, P. *et al*, *Bull. Soc. Chim. Belg.*, 1962, **71**, 203 (*synth*)
Kikuchi, T. *et al*, *Tetrahedron Lett.*, 1964, 1817; 1965, 1993 (*isol*)
Schmitt, J. *et al*, *Bull. Soc. Chim. Fr.*, 1964, 761 (*synth*)
Tomita, M. *et al*, *Tetrahedron Lett.*, 1964, 1641; *Yakugaku Zasshi*, 1967, **87**, 215; *CA*, **67**, 32888v (*isol, struct*)
Khuong-Huu, Q. *et al*, *Bull. Soc. Chim. Fr.*, 1965, 3035 (*bibl*)
Chatterjee, A. *et al*, *Chem. Ind. (London)*, 1966, 769 (*isol*)
Kohli, J.M. *et al*, *Tetrahedron*, 1967, **23**, 3829 (*ms, pmr, Saracodine*)
Sóti, F. *et al*, *Tetrahedron Lett.*, 1967, 1437 (*isol, Dihydrokurchessine*)
Goutarel, R. *et al*, *Tetrahedron*, 1968, **24**, 7013 (*synth, Saracodine*)
Silver, S. *et al*, *Antibiotics*, 1975, **3**, 614 (*Malouetine, rev*)

Pregn-4-ene-3,11,20-trione, 9CI P-00417

11-Oxoprogesterone. ***11-Ketoprogesterone***. *Ketogestin. Bio. 66. U 1258*

[516-15-4]



$C_{21}H_{28}O_3$ M 328.450
Formerly used in bovine acetonaemia. Anaesthetic. Cryst. (Me_2CO/pet. ether). Mp 174.5-175.5° (171.5-173°). $[\alpha]_D^{25}$ +270° ($CHCl_3$).

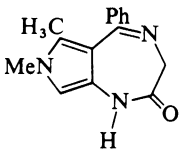
▷TU5513000.

Reichstein, T. *et al*, *Helv. Chim. Acta*, 1940, **23**, 688 (*synth*)
Ger. Pat., 1 111 179, (*1959*); *CA*, **56**, 4829 (*synth*)
Huang, S.L. *et al*, *Synthesis*, 1978, 297 (*synth*)
Razzak, K.S.A. *et al*, *Biomed. Mass Spectrom.*, 1980, **7**, 505 (*ms*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3758 (*synth*)
Ziegler, F.E. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 718 (*synth*)

Premazepam, BAN, INN P-00418

3,7-Dihydro-6,7-dimethyl-5-phenylpyrrolo[3,4-e]-1,4-diazepin-2(1H)one, 9CI. 1,2,3,7-Tetrahydro-6,7-dimethyl-5-phenylpyrrolo[3,4-e]-1,4-diazepin-2-one. L 12181. DL-181-IT. MDL-181

[57435-86-6]

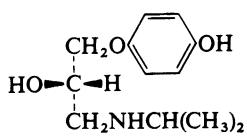


$C_{15}H_{15}N_3O$ M 253.303
Tranquilliser, muscle relaxant and anticonvulsant agent. Mp 270° dec.

Ger. Pat., 2 511 599, (*1975*); *CA*, **84**, 5013a (*synth, pharmacol*)
Fontanella, L. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 217 (*synth, pharmacol*)
Golombok, S. *et al*, *Br. J. Clin. Pharmacol.*, 1984, **18**, 127 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18674.

Prenalterol, BAN, INN P-00419

4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-phenol, 9CI. 1-(4-Hydroxyphenoxy)-3-(isopropylamino)-2-propanol



$C_{12}H_{19}NO_3$ M 225.287

(S)-form [57526-81-5]

β_1-Adrenergic agonist. Cryst. (EtOAc). Mp 127-128°. $[\alpha]_D^{20}$ −1° (c, 0.94 in MeOH).

▷SL5090000.

B,HCl: [61260-05-7]. *Prenalterol hydrochloride, USAN. CGP 7760B.*

Ger. Pat., 2 503 968, (*1975*); *CA*, **84**, 5322a (*synth*)
Ronn, O. *et al*, *Eur. J. Clin. Pharmacol.*, 1979, **15**, 9 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13164.

Prenisteine, INN P-00420

S-(3-Methyl-2-butenyl)-L-cysteine, 9CI. 3-[(3-Methyl-2-butenyl)thio]-L-alanine. ITA 275

[5287-46-7]

$HOOCCH(NH_2)CH_2SCH_2CH{=}C(CH_3)_2$

$C_8H_{15}NO_2S$ M 189.272

Bronchosecretolytic agent. Cryst. Mp 190-194°.

▷AY7070000.

B,HCl: Mp 181-183°.

U.S.P., 4 243 679, (*1979*); *CA*, **91**, 74600w (*synth, pharmacol*)
Spanish Pat., 482 983, (*1980*); *CA*, **94**, 66070v (*synth*)

Prenoverine, INN P-00421

N-[2-(Diphenylmethoxy)ethyl]-N-methyl-1-phenoxy-2-propanamine, 9CI. 2'-(Diphenylmethoxy)-N,1-dimethyl-2-phenoxydiethylamine

[65236-29-5]

$Ph_2CHOCH_2CH_2NMeCH(CH_3)CH_2OPh$

$C_{25}H_{29}NO_2$ M 375.510

(±)-form

Spasmolytic, vasodilator.

Citrate: [66022-27-3]. *Prenoverine citrate. DAN 2854/76.*

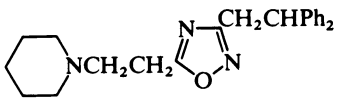
Oxalate: Mp 126.5-128°.

Ibanez, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 459 (*synth, pharmacol*)

Prenoxdiazine, INN P-00422

1-[2-[3-(2,2-Diphenylethyl)-1,2,4-oxydiazol-5-yl]-ethyl]piperidine, 9CI. 3-(2,2-Diphenylethyl)-5-(2-piperidinoethyl)-1,2,4-oxadiazole

[47543-65-7]



$C_{23}H_{27}N_3O$ M 361.486

Antitussive.

B,HCl: [982-43-4]. *Beclodin. Libexin. Tibexin. Toparten. Varoxil. HK256.* Cryst. (EtOH). Mp 192-193°.

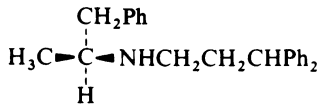
▷TM7750000.

Harsanyi, K. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 615 (*synth*)
Ger. Pat., 2 048 169, (*1972*); *CA*, **77**, 101624b (*synth, pharmacol*)
Harsanyi, K. *et al*, *Boll. Chim. Farm.*, 1973, **112**, 691(pharmacol).

Prenylamine, BAN, USAN, INN P-00423

N-(1-Methyl-2-phenylethyl)-γ-phenylbenzenepropanamine, 9CI. Bismethin. Carditin. Corpax. Segontin. Numerous proprietary names

[390-64-7]



(*S*)-*form* Absolute configuration

$C_{24}H_{27}N$ M 329.484

▷SH6480000.

(S)-form

Oil. $[\alpha]_D^{27}$ +19° (c, 1.0 in MeOH). Same pharmacol. activity as (±)-form.

B,HCl: Needles. Mp 200-201°. $[\alpha]_D^{27}$ +12.1° (c, 1.0 in MeOH).

D-Lactate: Needles. Mp 140-141°. $[\alpha]_D$ +15.1° (c, 1.0 in MeOH).

(±)-form

Coronary vasodilator. Mp 36.5-37.5°. $Bp_{0.5}$ 195-198°.

B,HCl: Mp 188-190°.

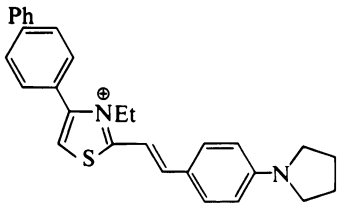
Lactate: [69-43-2]. *Agozol. Angormin. Lactamine. Other proprietary names.* Mp 140-142°.

▷SH6490000.

Lindner, E. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 569 (*pharmacol*)
Ger. Pat., 1 110 170, (*1961*); *CA*, **56**, 11494i (*Gluconate*)
Erhart, G., *Arch. Pharm. (Weinheim, Ger.)*, 1962, **295**, 196.
Ger. Pat., 1 111 642, (*1962*); *CA*, **56**, 8630f (*synth*)
Tomie, M. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 1033 (*synth, abs config, bibl*)
Godard, P. *et al*, *Med. Actuelle*, 1977, **4**, 165 (*rev, pharmacol*)
Remberg, G. *et al*, *Biomed. Mass Spectrom.*, 1977, **4**, 297 (*metab*)
Grana, E. *et al*, *Farmaco, Ed. Prat.*, 1978, **33**, 241 (*pharmacol*)
Taube, D.O. *et al*, *Khim.-Farm. Zh.*, 1980, **14**, 62 (*synth*)
Eiden, F. *et al*, *Dtsch. Apoth. Ztg.*, 1983, **123**, 958 (*uv, ir, hplc, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7068.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9275.

Pretamazium(1+) P-00424

4-(4-Biphenylyl)-3-ethyl-2-(p-1-pyrrolidinylstyryl)-thiazolium



$C_{29}H_{29}N_2S^{\oplus}$ M 437.622 (ion)

Used to treat enterobiasis.

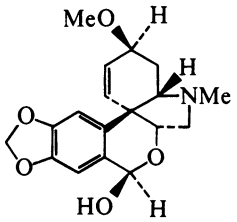
Iodide: [24840-59-3]. *Pretamazium idodide, BAN, INN.*
$C_{29}H_{29}IN_2S$ M 564.526
Mp 264-265°.

South African Pat., 6 805 975, (*1969*); *CA*, **72**, 3479k (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13165.

Pretazettine P-00425

Isotazettine. PTZ

[17322-84-8]



$C_{18}H_{21}NO_5$ M 331.368

Alkaloid from *Sprekelia formosissima* and *Ismene calithina*, and probably very widely distributed in the Amaryllidaceae. Antitumour agent active against Rauscher leukaemia virus and others. Noncryst. $[\alpha]_D^{24}$ +180° (c, 0.2 in $CHCl_3$).

B,HCl: Mp 224-225°. $[\alpha]_D^{24}$ +30.3° (c, 0.15 in H_2O).

3-Epimer: [17245-16-8]. ***Precriwelline***.

$C_{18}H_{21}NO_5$ M 331.368

Alkaloid from bulbs of *Crinum powellii* var. *album* (Amaryllidaceae). Active against Rauscher leukaemia virus. Amorph. $[\alpha]_D^{24}$ +228° (c, 0.18 in $CHCl_3$).

3-Epimer; B,HCl: Needles + $\frac{1}{2}H_2O$ (H_2O). Mp 199-201°. $[\alpha]_D^{24}$ +82° (c, 0.2 in H_2O).

Wildman, W.C. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 5514 (*isol, struct*)

Döpke, W. *et al*, *Tetrahedron Lett.*, 1968, 1307 (*pmr, cd, struct*)

Wildman, W.C. *et al*, *J. Org. Chem.*, 1968, **33**, 3749 (*isol, uv, pmr, ir, struct, Precriwelline*)

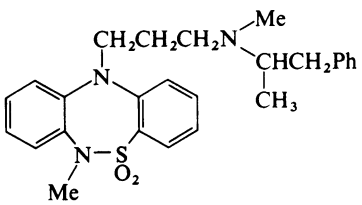
Wildman, W.C. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 150 (*synth*)

Martin, S.F. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 6431 (*synth*)

Pretiadil, INN P-00426

6,11-Dihydro-6-methyl-11-[3-[methyl(α-methylphenethyl)amino]propyl]dibenzo[1,2,5]-thiadiazapine 5,5-dioxide, *8CI*

[30840-27-8]



$C_{26}H_{31}N_3O_2S$ M 449.610

(±)-form

Coronary vasodilator. Cryst. (EtOH). Mp 83-84°.

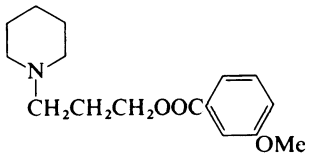
B,HCl: [30840-28-9]. Cryst. Mp 132-134°.

Ger. Pat., 2 032 341, (*1971*); *CA*, **74**, 76460y (*synth, pharmacol, tox*)

Pribecaine, INN P-00427

3-(1-Piperidinyl)propyl 3-methoxybenzoate, *9CI*. *3-Piperidinopropyl* m-*anisate*

[55837-22-4]



$C_{16}H_{23}NO_3$ M 277.363

Local anaesthetic.

B,HCl: [37139-68-7]. *Rigelocan. RG-1812*. Cryst. (Me_2CO/EtOH). Mp 129-131°.

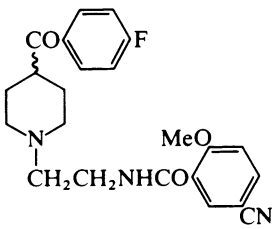
Ger. Pat., 2 152 001, (*1972*); *CA*, **77**, 19656e (*synth, pharmacol*)

Felfoldi, K. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1976, **90**, 75 (*synth*)

Prideperone, INN P-00428

5-Cyano-N-[2-[4-(4-fluorobenzoyl)-1-piperidinyl]-ethyl]-2-methoxybenzamide, *9CI*

[95374-52-0]



$C_{23}H_{24}FN_3O_3$ M 409.459

Antipsychotic, neuroleptic agent. Powder. Mp 167-169°.

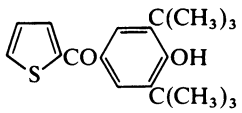
B,HCl: [95374-42-8]. Cryst. Mp 193-194°.

Eur. Pat., 124 476, (*1984*); *CA*, **102**, 131917 (*synth*)

Prifelone, INN P-00429

[3,5-Bis(1,1-dimethylethyl)-4-hydroxyphenyl]-2-thienylmethanone, *9CI*. *R 830*

[69425-13-4]



$C_{19}H_{24}O_2S$ M 316.457

Antiinflammatory agent. Antioxidant. Mp 129-130.5°.

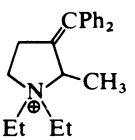
U.S.P., 4 172 082, (*1979*); *CA*, **92**, 76276 (*synth*)

Moore, G.G.I. *et al*, *Agents Actions*, 1982, **12**, 674 (*pharmacol*)

Prifinium(1+) P-00430

3-(Diphenylmethylene)-1,1-diethyl-2-methylpyrrolidinium, *9CI*. *3-Benzhydrylidene-1,1-diethyl-2-methylpyrrolidinium*

[10236-81-4]



$C_{22}H_{28}N^{\oplus}$ M 306.470 (ion)

Antispasmodic, anticholinergic agent. $Bp_{0.15}$ 183-185°.

Bromide: [4630-95-9]. *Prifinium bromide, INN, JAN. Anespas F. Dornal. Kosmium. Padrin. PDB. Prifinial. Riabal. Spanomid.* Cryst. Mp 216-218°.

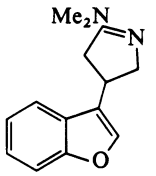
▷UY4310000.

Japan. Pat., 65 17 015, 65 22 462, (*1965*); *CA*, **63**, 18034b, **64**, 3489a (*synth, deriv*)
Nakai, T. *et al, Arzneim.-Forsch.*, 1970, **20**, 237, 1112 (*metab, pharmacol*)
Noguchi, H. *et al, Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 213; 1984, **22**, 333 (*pharmacol*)
Subissi, A. *et al, Eur. J. Pharmacol.*, 1983, **96**, 295 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 409.

Prifuroline, INN P-00431

*3-(2-Benzofuranyl)-3,4-dihydro-*N,N*-dimethyl-2*H*-pyrrol-5-amine, 9CI. 4-(2-Benzofuranyl)-2-(dimethylamino)-1-pyrroline. JL 14843*

[70833-07-7]



$C_{14}H_{16}N_2O$ M 228.293

(±)-form

Antiarrhythmic agent.

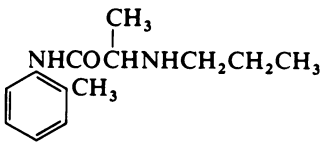
B,HCl: [75292-92-1]. Mp 151°.

Eur. Pat., 7 824, (*1980*); *CA*, **93**, 186152z (*synth, pharmacol*)
Jaillon, P. *et al, J. Cardiovasc. Pharmacol.*, 1982, **4**, 486 (*pharmacol*)
Maillard, J. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1983, **18**, 353 (*synth*)

Prilocaine, BAN, INN P-00432

N-[(*2-Methylphenyl*)*-2-propylamino*]*propanamide, 9CI. 2-(Propylamino)-*o*-propionotoluidide, 8CI. Propitocaine*

[721-50-6]



$C_{13}H_{20}N_2O$ M 220.314

(±)-form

Local anaesthetic. Needles. Mp 37-38°. Bp_1 159-162°.

B,HCl: [1786-81-8]. *Prilocaine hydrochloride, USAN, JAN. Citanest. Distracaine. Prilotane. Xylanest. Xylonest. Astra 1512. MY 33-7.* Cryst. (EtOH/isopropyl ether). Mp 167-168°.

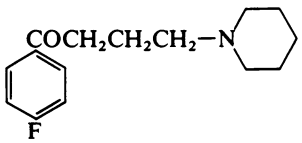
▷UG5775000.

Tegner, C. *et al, Acta Chem. Scand.*, 1960, **14**, 486; 1961, **15**, 1180 (*synth, resoln*)
U.S.P., 3 160 662, (*1964*); *CA*, **63**, 4211e (*synth*)
Truant, A.P., *Acta Anaesthesiol Scand. Suppl.*, 1965, **16**, 19 (*rev, pharmacol, tox*)
Akerman, S.B.A. *et al, Acta Pharmacol. Toxicol.*, 1973, **32**, 88 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Wildsmith, J.A.W., *Reg. Anesth. (Philadelphia)*, 1985, **10**, 155 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7643.

Primaperone, INN P-00433

1-(4-Fluorophenyl)-4-(1-piperidinyl)-1-butanone, 9CI. 4′-Fluoro-4-piperidinobutyrophenone, 8CI. Flufenone

[1219-35-8]



$C_{15}H_{20}FNO$ M 249.328

Antihypertensive agent; vasodilator. $Bp_{0.5}$ 127-130°.

B,HCl: Mp 180-181°.

Fr. Pat., 1 301 863, (*1962*); *CA*, **59**, 8759f (*synth, pharmacol*)
Grogan, C.H. *et al, J. Med. Chem.*, 1965, **8**, 62 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13166.

Primaquine, BAN, INN P-00434

N^4*-(6-Methoxy-8-quinolinyl)-1,4-pentanediamine, 9CI. 8-(4-Amino-1-methylbutylamino)-6-methoxyquinoline, 8CI. Avlon. Neo-Quipenyl. Primachim. SN 13272*

[90-34-6]



$C_{15}H_{21}N_3O$ M 259.350

▷VA9650000.

(±)-form

Antimalarial drug. Viscous liq. $Bp_{0.5}$ 175-179°. pK_{a1} 10.39 (NH_2), pK_{a2} (quinoline N), pK_{a3} ~−1.5 (NH) (H_2O). Treatment with Primaquine is subject to high levels of parasite resistance.

B,2H₃PO₄: [63-45-6]. *Primaquine phosphate, USAN.* Yellow cryst. (EtOH aq.). Mod. sol. H_2O. Mp 197-198°.

▷VA9660000.

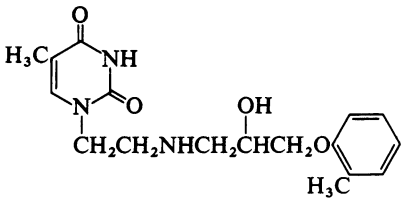
Oxalate (1:1): Yellow cryst. (EtOH aq.). Mp 182.5-185°.

Elderfield, R.C. *et al, J. Am. Chem. Soc.*, 1955, **77**, 4816 (*synth*)
Olenick, J.G., *Antibiotics*, 1975, **3**, 516 (*rev*)
Baty, J.D. *et al, Biomed. Mass Spectrom.*, 1978, **5**, 76 (*ms*)
Singh, S.P. *et al, J. Heterocycl. Chem.*, 1978, **15**, 9 (*nmr*)
Hufford, C.D. *et al, J. Heterocycl. Chem.*, 1983, **20**, 273 (*cmr, props*)
Price, A.H. *et al, Prog. Clin. Biol. Res.*, 1986, **214**, 261 (*rev, metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1387.

Primidolol, BAN, INN, USAN **P-00435**

1-[2-[[2-Hydroxy-3-(2-methylphenoxy)propyl]amino]-ethyl]-5-methyl-2,4(1H,3H)-pyrimidinedione, 9CI. 1-[2-(2-Hydroxy-3-o-tolyloxypropylamino)ethyl]-5-methyluracil

[67227-55-8]



$C_{17}H_{23}N_3O_4$ M 333.386

(±)-form

β-Adrenoceptor antagonist, antihypertensive, antiarrhythmic and antianginal agent.

B,HCl: Mp 211-212°.

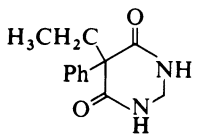
▷Carcinogenic

Ger. Pat., 2 238 504, (*1973*); *CA*, **78**, 136325c (*synth, pharmacol*)
B.P., 1 345 075, (*1974*); *CA*, **80**, 133469h (*synth*)
Faccini, J.M. *et al*, *Toxicology*, 1981, **21**, 279 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13167.

Primidone, BAN, INN, USAN **P-00436**

5-Ethyldihydro-5-phenyl-4,6(1H,5H)-pyrimidinedione, 9CI, 8CI. 2-Desoxyphenobarbital. Mysoline. Primaclone. Numerous proprietary names

[125-33-7]



$C_{12}H_{14}N_2O_2$ M 218.255

▷UV9100000.

(±)-form

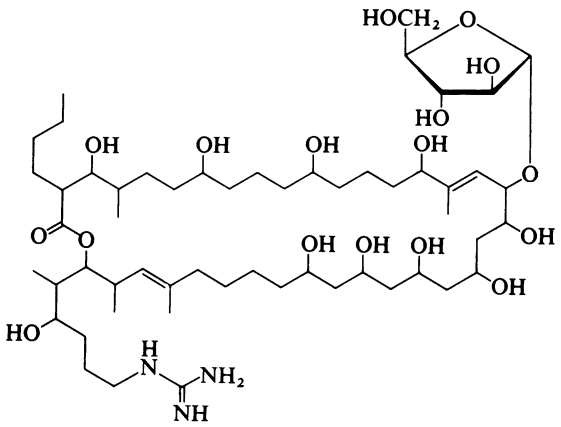
Anticonvulsant. Sl. sol. H_2O. Mp 281-282°.

B.P., 666 027, (*1952*); *CA*, **46**, 8153d (*synth*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Daley, R.D., *Anal. Profiles Drug Subst.*, 1973, **2**, 409; 1988, **17**, 749 (*rev, synth*)
Nuhn, P. *et al*, *Pharmazie*, 1973, **28**, 484 (*pmr*)
Bourgeois, G. *et al*, *Org. Mass Spectrom.*, 1974, **9**, 53 (*ms*)
Kutt, H., *Clin. Pharmacol. Ther.*, 1974, **16**, 243 (*pharmacol*)
Yates, D.G.R., *Acta Crystallogr., Sect. B*, 1975, **31**, 1077 (*cryst struct*)
Van Dijk, A. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1980, **501**, 65 (*rev*)
Nieminen, A.O.K. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 419 (*N-15 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2331.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6619.

Primycin, INN **P-00437**

Debrycin

[30003-49-7]



$C_{55}H_{103}N_3O_{17}$ M 1078.429

Macrolide antibiotic. Prod. by *Micromonospora galeriensis* and *Streptomyces primycini*. Active against gram-positive bacteria and mycobacteria.

▷TV1225000.

2B,H_2SO_4: [30003-49-7]. Cryst. powder. Mp 192-195° dec.

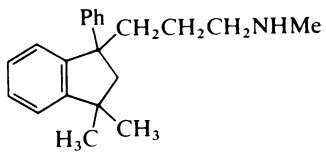
▷TV1225000.

Valyi-Nagy, T. *et al*, *Nature (London)*, 1954, **174**, 1105 (*isol*)
Fehr, T. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 816, 827, 836 (*struct, uv, ir, pmr, ms*)
Uri, J.V. *et al*, *J. Antibiot.*, 1979, **32**, 1207 (*props*)
Frank, J. *et al*, *Tetrahedron Lett.*, 1987, **28**, 2759 (*struct*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2287.

Prindamine **P-00438**

2,3-Dihydro-N,3,3-trimethyl-1-phenyl-1H-indene-1-propanamine, 9CI

[21489-22-5]



$C_{21}H_{27}N$ M 293.451

(±)-form

Antidepressant; gastric secretion inhibitor.

B,HCl: [10565-75-0]. Cryst. (Me_2CO/EtOH). Mp 150°. Two isomers reported. Mps. 186-198° and 165-166°.

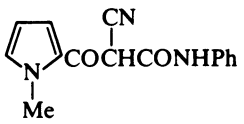
▷NK7540000.

Petersen, P.V. *et al*, *Arch. Pharmacol. Toxicol.*, 1966, **24**, 121 (*pharmacol*)
Netherlands Pat., 6 613 828, (*1967*); *CA*, **67**, 99905 (*synth*)
Carlsson, A. *et al*, *Br. J. Pharmacol.*, 1969, **36**, 18 (*pharmacol*)

Prinomide, INN **P-00439**

*α-Cyano-1-methyl-β-oxo-*N*-phenyl-1*H*-pyrrole-2-propanamide, 9CI*

[77639-66-8]



$C_{15}H_{13}N_3O_2$ M 267.287

(±)-*form*

Antiinflammatory, antirheumatic agent. Cryst. (MeOH). Mp 174-175°.

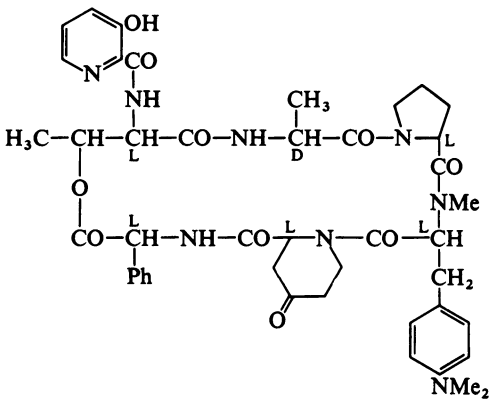
Compd. with 2,2',2''-Nitrilotriethanol (1:1): [77639-70-4]. *Prinomide trolamine. CGS 10787*B. Mp 115-117°.

Eur. Pat., 21 207, (*1981*); *CA*, **94**, 208701 (*synth, pharmacol*)
Luders, R.C. *et al*, *J. Chromatogr. Sci.*, 1987, **25**, 192 (*hplc*)

Pristinamycin I_C **P-00440**

*2-D-Alanine-4-[4-(dimethylamino)-*N*-methyl-L-phenylalanine]virginiamycin S_I, 9CI. Vernamycin B_γ, 8CI. Ostreogrycin B_I. Ostreogricin Z_I. E 129Z_I. Antibiotic E 129Z_I*

[28979-74-0]



$C_{44}H_{52}N_8O_{10}$ M 852.942

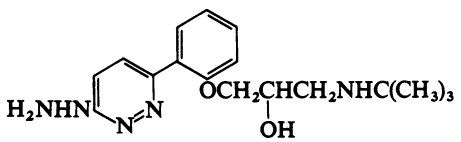
Cyclic depsipeptide antibiotic. Isol. from *Streptomyces pristinaespiralis*. $[\alpha]_D^{22}$ −62.5° (c, 0.5 in EtOH). A mixt. of Pristinamycins is used clinically under the names Pristinamycin, Pyastacine and Stapyocine.

Preud'Homme, J. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 585 (*isol, ms, struct*)

Prizidilol, BAN, INN **P-00441**

*6-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-3(2*H*)-pyridazinone hydraxone, 9CI. 1-*tert*-Butylamino-3-[2-(6-hydrazino-3-pyridazinyl)phenoxy]-2-propanol*

[59010-44-5]



$C_{17}H_{25}N_5O_2$ M 331.417

(±)-*form*

β-Adrenergic antagonist. Antihypertensive and peripheral vasodilator.

B,2HCl: [63642-19-3]. *Prizidilol hydrochloride, USAN. SKF 92657*A. Mp 163-166° (hydrate).

Eur. Pat., 7 930, (*1980*); *CA*, **93**, 114555 (*synth, pharmacol*)
Taylor, E.M. *et al*, *J. Cardiovasc. Pharmacol.*, 1981, **3**, 355 (*pharmacol*)
Bianchetti, M.G. *et al*, *Eur. J. Clin. Pharmacol.*, 1982, **23**, 289.
Owen, D.A.A. *et al*, *J. Cardiovasc. Pharmacol.*, 1986, **8**, 743 (*pharmacol, isom*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13168.

Proadifen, INN **P-00442**

2-(Diethylamino)ethyl α-phenyl-α-propylbenzeneacetate, 9CI. 2-(Diethylamino)ethyl 2,2-diphenylvalerate, 8CI. Propyladiphenine

[302-33-0]

$H_3CCH_2CH_2CPh_2COOCH_2CH_2NEt_2$

$C_{23}H_{31}NO_2$ M 353.503

Nonspecific synergist. Inhibitor of drug metabolism.

▷AJ3400000.

B,HCl: [62-68-0]. *Proadifen hydrochloride, USAN. NSC 39690. RP 5171. SKF 525*A. *U 5446*. Lustrous cryst. (Me_2CO/pet. ether). Mp 122-123°.

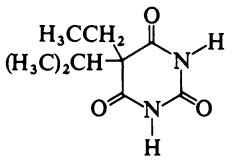
▷YV7175000.

Craig, P.N. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1339 (*synth*)
Carrano, R.A. *et al*, *J. Pharm. Sci.*, 1966, **55**, 563 (*pharmacol*)
Mitoma, C. *et al*, *Biochem. Pharmacol.*, 1968, **17**, 1377 (*props*)
Peisker, K., *Z. Chem.*, 1973, **13**, 344 (*synth*)
Galeotti, T. *et al*, *Biochem. Pharmacol.*, 1983, **32**, 3285.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13169.

Probarbital **P-00443**

*5-Ethyl-5-(1-methylethyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, 9CI. 5-Ethyl-5-isopropylbarbituric acid, 8CI. Irenal*

[76-76-6]



$C_9H_{14}N_2O_3$ M 198.221

Central depressant, sedative, hypnotic. Needles. Mp 197-198°.

▷CQ5425000.

Na salt: [143-82-8]. *Probarbital sodium, INN.*

▷CQ5500000.

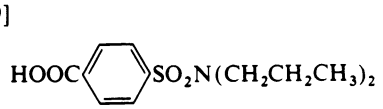
Ca salt: [545-74-4]. *Ipral (old form).*

U.S.P., 1 576 014, (*1926*); *CA*, **20**, 1415 (*synth*)
Stevenson, G.W., *Anal. Chem.*, 1966, **38**, 1948 (*glc*)
Hansch, C. *et al*, *J. Med. Chem.*, 1967, **10**, 745 (*pharmacol*)
Goenechea, S., *J. Chromatogr.*, 1969, **40**, 182 (*tlc*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Okada, J. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1580 (*nmr*)
Siek, T.J. *et al*, *J. Forensic. Sci.*, 1975, **20**, 18 (*uv*)

Probenecid, BAN, INN **P-00444**

Benemid. p-*(Dipropylsulfamoyl)benzoic acid, 8CI. Proben. Numerous proprietary names*

[57-66-9]



$C_{13}H_{19}NO_4S$ M 285.357

Uricosuric, excretion inhibitor. Cryst. (EtOH aq.). Sol. $CHCl_3$. Mp 194-196°.

▷DG9400000.

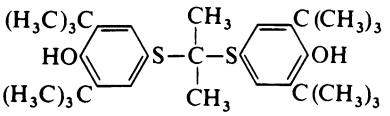
Compd. with Pivampicillin (1:1): see Pivampicillin, P-00362

U.S.P, 2 608 507, (*1953*); *CA*, **47**,, 544a (*synth*)
Gutman, A.B., *Adv. Pharmacol.*, 1966, **4**, 91 (*rev, pharmacol*)
Gupta, M.P. *et al*, *Indian J. Phys.*, 1970, 44, **138** (*cryst struct*)
Watson, E. *et al*, *Anal. Biochem.*, 1974, **59**, 441 (*ms*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 639 (*rev, synth, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2895.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1008.

Probucol, BAN, USAN, JAN, INN P-00445

4,4'-[(1-Methylethylidene)bis(thio)bis[2,6-bis(1,1-dimethylethyl)phenol], 9CI. Acetone bis(3,5-di-tert-butyl-4-hydroxyphenyl)mercaptole, 8CI. Bifenabid. Biphenabid. Lesterol. Lorelco. Lursele. Lurselle. Luisosterol. Sinlestal. Superlipid. DH 581

[23288-49-5]



$C_{31}H_{48}O_2S_2$ M 516.839

Antihypercholesterolaemic drug. Yellow cryst. (2-propanol). Mp 125-126.5°.

Barnhart, J.W. *et al*, *Am. J. Clin. Nutr.*, 1970, **23**, 1229 (*pharmacol*)
Neuworth, M.B. *et al*, *J. Med. Chem.*, 1970, **13**, 722 (*synth, pharmacol*)
Heel, R.C. *et al*, *Drugs*, 1978, **15**, 409 (*rev, pharmacol*)
Bilheimer, D.W. *et al*, *Am. J. Cardiol.*, 1986, **27**, 7H, 16H (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1356.

Procainamide, BAN, INN P-00446

4-Amino-N-[2-(diethylamino)ethyl]benzamide, 9CI. ASL 601. Amidoprocaine. Pronestyl. Numerous proprietary names

[51-06-9]



$C_{13}H_{21}N_3O$ M 235.328

Cardiac depressant, antiarrhythmic. Mp 46-48°. Bp_2 210-215°.

▷CV2275000.

B,HCl: [614-39-1]. *Procainamide hydrochloride, USAN. Supicaine. Novocamid. Numerous proprietary names.* Sol. H_2O, insol. C_6H_6, Et_2O. Mp 165-167°.

N^4*-Ac:* [32795-44-1]. ***Acecainide, INN.***
$C_{15}H_{23}N_3O_2$ M 277.366
Metab. of Procainide. Cardiac depressant, antiarrhythmic.

▷AE1974350.

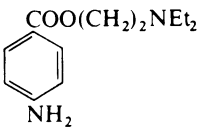
N^4*-Ac; B,HCl:* [34118-92-8]. *Acecainide hydrochloride, USAN. NAPA.* Cryst. Mp 190-193°.

Yamazaki, M. *et al*, *J. Pharm. Soc. Japan*, 1953, **73**, 294 (*synth*)
Ger. Pat., 2 062 978, (*1971*); *CA*, **75**, 76427 (*Acecainide*)
Karlsson, E. *et al*, *Br. J. Clin. Pharmacol.*, 1974, **1**, 467 (*synth*)
Poet, R.B. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 333 (*rev, synth, anal*)
Tani, J. *et al*, *Synthesis*, 1975, 714 (*synth*)
Topart, J. *et al*, *Pharm. Acta Helv.*, 1976, **51**, 314 (*uv, ir, ms, nmr*)
Shuker, L.R. *et al*, *Clin. Chem.*, 1977, **23**, 636 (*hplc*)
Lima, J.J., *Appl. Pharmacokinet.*, 1980, 404 (*rev, metab, tox*)
Peeters, O.M. *et al*, *Cryst. Struct. Commun.*, 1980, **9**, 851 (*cryst struct*)
Van der Pol, W., *Int. Congr. Ser.-Excerpta Med.*, 1980, **501**, 172 (*rev*)
Xu, C.-Z., *CA*, 1980, **93**, 71233 (*synth*)
Connolly, S.J. *et al*, *Clin. Pharmacokinet.*, 1982, **7**, 206 (*Acecainide, rev*)
Reynolds, R.D. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1982, **169**, 156 (*pharmacol*)
Roden, D.M. *et al*, *Pharmacol. Ther.*, 1983, **23**, 179 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2939.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7776, 7791.

Procaine, BAN, INN P-00447

4-Aminobenzoic acid 2-(diethylamino)ethyl ester, 9CI

[59-46-1]



$C_{13}H_{20}N_2O_2$ M 236.313

Local anaesthetic. Hygroscopic plates (ligroin or Et_2O). Sol. H_2O, EtOH, C_6H_6. Mp 61°. Mainly used as hydrochloride.

▷DG2100000.

B,HCl: [51-05-8]. *Procaine hydrochloride, USAN. Ethocaine. Novocaine. Numerous proprietary names.* 6-Sided plates, mono- or triclinic. Sol. H_2O, EtOH, insol. Et_2O. Mp 153-156°. Component of Flocillin.

▷DG2275000.

B,5HBO₂: [149-13-3]. *Procaine Borate. Borocaine.* Cryst. Mp 165-166°.

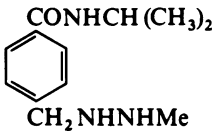
Monoisobutyrate: [17146-93-9]. *Probutylin.* Cryst.

Einhorn, A. *et al*, *Justus Liebigs Ann. Chem.*, 1909, **371**, 125, 131, 142, 162 (*synth*)
Buechi, J. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1657 (*pharmacol*)
O'Brian, K.P. *et al*, *Bull. Narcotics*, 1970, **22**, 35 (*ir*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 628 (*ms*)
Kuhnert-Brandstaetter, H. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Ritchie, J.M. *et al*, *Pharmacol. Basis Ther., 5th Ed.*, 1975, 379 (*rev, pharmacol*)
Kashino, S. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 1868 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2907.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7644.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 937.

Procarbazine, BAN, INN **P-00448**

N-(1-Methylethyl)-4-[(2-methylhydrazino)methyl]-benzamide, 9CI. *N-Isopropyl-α-(2-methylhydrazino)-p-toluamide, 8CI.* *N-4-Isopropylcarbamoylbenzyl-N'-methylhydrazine. Ibenzmethyzin. NSC 77213. Ro 4-6467*

[671-16-9]



$C_{12}H_{19}N_3O$ M 221.302

Antineoplastic agent used in the treatment of Hodgkin's disease.

▷XS4550000.

B,HCl: [366-70-1]. *Procarbazine hydrochloride, USAN, INN. Matulane. Natulan. Natulanar.* Cryst. (MeOH). Mp 223-226°.

▷XS4725000.

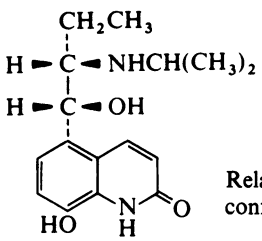
B,HBr: Cryst. (MeOH/Et_2O). Mp 216-217° dec.

Zeller, P. *et al, Experientia*, 1963, **19**, 129 (*synth*)
Reed, D.J., *Handb. Exp. Pharmacol.*, 1975, **38**, 747 (*rev, pharmacol*)
Rucki, R.J. *et al, Anal. Profiles Drug Subst.*, 1976, **5**, 403 (*rev, synth, anal, metab, tox*)
Lee, I.P. *et al, Mutat. Res.*, 1978, **55**, 1 (*rev, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1860.

Procaterol, BAN, INN **P-00449**

8-Hydroxy-5-[1-hydroxy-2-[(1-methylethyl)amino]-butyl]-2(1H)-quinolinone, 9CI

[60443-17-6]



Relative configuration

$C_{16}H_{22}N_2O_3$ M 290.361

Bronchodilator.

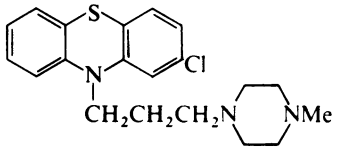
B,HCl: [59828-07-8]. *Procaterol hydrochloride, USAN, JAN.* Cryst. (MeOH/Et_2O). Mp 213-215°.

Yoshizaki, S. *et al, J. Med. Chem.*, 1976, **19**, 1138; 1977, **20**, 1103 (*synth, pharmacol, isom*)
Shimizu, T. *et al, Xenobiotica*, 1978, **8**, 705 (*metab*)
Kido, M. *et al, Chem. Pharm. Bull.*, 1982, **30**, 44 (*cryst struct, bibl*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4089.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13171.

Prochlorperazine, BAN, INN **P-00450**

2-Chloro-10-[3-(4-methyl-1-piperazinyl)propyl]-10H-phenothiazine, 9CI. *Proclorperazine. Chlormeprazine. Numerous proprietary names*

[58-38-8]



$C_{20}H_{24}ClN_3S$ M 373.943

Tranquilliser, antiemetic. Viscous liq. Also used as ethanesulfonate (Prochlorperazine edisylate, USAN).

▷SO2700000.

Dimaleate: [84-02-6]. *Campazine. Emetival.* Very small cryst. Sol. H_2O, insol. org. solvs. Mp 228°. Component of Combid.

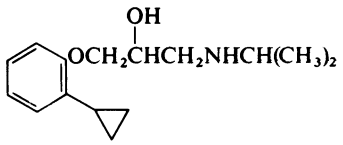
▷SO3150000.

B.P., 780 193, (*1958*); *CA*, **52**, 2093 (*synth, pharmacol*)
Hanlon, T.E. *et al, Psychopharmacologia*, 1965, **7**, 89 (*pharmacol*)
Kracmar, J. *et al, Pharmazie*, 1968, **23**, 651 (*uv*)
Gilbert, J.N. *et al, Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
McDowell, J.J.H., *Acta Crystallogr., Sect. B*, 1979, **35**, 2433 (*cryst struct*)
Patra, A. *et al, J. Indian Chem. Soc.*, 1982, **59**, 660 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5729.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7096, 7097, 7098, 7099.

Procinolol, INN **P-00451**

1-(o-Cyclopropylphenoxy)-3-(isopropylamino)-2-propanol, 8CI. *SD 2124-01. C1755*

[27325-36-6]



$C_{15}H_{23}NO_2$ M 249.352

(±)-*form*

Antiarrhythmic agent, β-adrenergic blocker.

B,HCl: [27325-18-4]. Mp 96°.

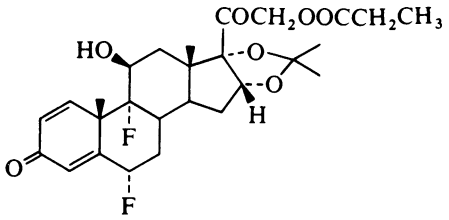
▷UA9830100.

Boissier, J.R. *et al, J. Med. Chem.*, 1970, **13**, 971 (*synth, pharmacol, deriv*)
Ger. Pat., 2 053 192, (*1971*); *CA*, **75**, 118110n (*synth, pharmacol*)
Singh, K.P., *Indian J. Physiol. Pharmacol.*, 1983, **27**, 311; 1984, **46**, 131 (*pharmacol*)

Procinonide, USAN, INN **P-00452**

6,9-Difluoro-11-hydroxy-16,17-[(1-methylethylidene)-bis(oxy)]-21-(1-oxopropoxy)pregna-1,4-diene-3,20-dione, 9CI. Fluocinolone acetonide 21-propionate. RS 2362

[58497-00-0]



$C_{27}H_{34}F_2O_7$ M 508.558

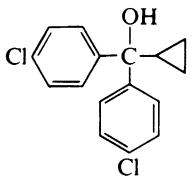
Adrenocortical steroid.

U.S.P., 3 934 013, (*1976*); *CA*, **84**, 111685f (*pharmacol*)

Proclonol, BAN, USAN, INN **P-00453**

4-Chloro-α-(4-chlorophenyl)-α-cyclopropylbenzenemethanol, 9CI. Bis(p-chlorophenyl)cyclopropylmethanol, 8CI. R 8284

[14088-71-2]



$C_{16}H_{14}Cl_2O$ M 293.192

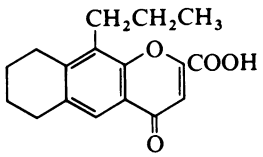
Acaricide and antifungal agent. Mp 58.8-61.2°.

U.S.P., 3 287 213, (*1966*); *CA*, **66**, 36821v (*synth, pharmacol*)

Procromil, BAN **P-00454**

6,7,8,9-Tetrahydro-4-oxo-10-propyl-4H-naphtho[2,3-b]pyran-2-carboxylic acid, 9CI

[60400-86-4]



$C_{17}H_{18}O_4$ M 286.327

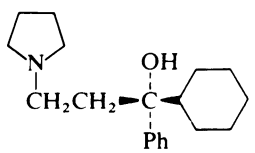
Drug used for treatment of allergic asthma. Solid. Mp 245-248°.

B.P., 1 517 154, (*1978*); *CA*, **90**, 72057 (*synth, pharmacol*)

Procyclidine, BAN, INN **P-00455**

α-Cyclohexyl-α-phenyl-1-pyrrolidinepropanol, 9CI, 8CI

[77-37-2]



(R)-form

$C_{19}H_{29}NO$ M 287.444

▷UY1925000.

(R)-form [102727-66-2]

Ca. 380 more active antimuscarinic agent than the (*S*)-enantiomer. Mp 106-107°. $[\alpha]_{546}^{25}$ −48° (c, 0.5 in $CHCl_3$), $[\alpha]_{546}^{20}$ −28° (c, 0.4 in EtOH).

B,MeI: 1-(3-Cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpyrrolidinium iodide, 9CI. Tricyclamol iodide. Mp 164-165°. $[\alpha]_{546}^{20}$ −25° (c, 0.4 in $CHCl_3$), $[\alpha]_{546}^{20}$ −4° (c, 0.4 in H_2O).

(±)-*form* [56172-67-9]

Antiparkinsonian agent, skeletal muscle relaxant, anticholinergic. Cryst. (pet. ether). Mp 85.5-86.5°.

B,HCl: [30953-84-5]. *Procyclidine hydrochloride, USAN. Arpicolin. Kemadrin. Kemadren. Metanin. Osnervan. Procyclid.* Cryst. (EtOH). Mp 226-227° dec.

B,MeCl: [3818-88-0]. *Tricyclamol chloride, INN. Procyclidine methyl chloride. Tricyvagol. Aconil. Elorine. Lergine. Tricoloid. Vagosin.*

$C_{20}H_{32}ClNO$ M 337.932

Cryst. (nitroethane). Mp 159-164°.

▷UY4280000.

B,Me_2SO_4: Elorine sulfate. Vagosin sulfate.

$C_{21}H_{35}NO_5S$ M 413.571

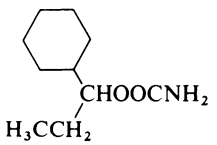
Mp ca. 100°.

Adamson, D.W. *et al*, *J. Chem. Soc.*, 1951, 52 (*synth*)
Lee, H.M. *et al*, *J. Am. Pharm. Assoc.*, 1954, **43**, 408 (*pharmacol, deriv*)
Duffin, W.M. *et al*, *Br. J. Pharmacol.*, 1955, **10**, 383 (*pharmacol, isom*)
Harfenist, M. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1060 (*deriv*)
Barlow, R.B., *J. Pharm. Pharmacol.*, 1971, **23**, 90.
Dorlet, C. *et al*, *J. Pharm. Belg.*, 1976, **81**, 491 (*ms*)
Marozzi, E., *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Paeme, G. *et al*, *Bull. Soc. Chim. Belg.*, 1982, **91**, 641 (*cmr*)
Paeme, G. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1984, **9**, 103 (*metab*)
Whiteman, P.D. *et al*, *Eur. J. Clin. Pharmacol.*, 1985, **28**, 73.
Tacke, R. *et al*, *Justus Liebigs Ann. Chem.*, 1986, 242 (*resoln, abs config, cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 410.

Procymate, INN **P-00456**

1-Cyclohexylpropyl carbamate. α-Ethylcyclohexanemethanol carbamate. Equipax. T 3303

[13931-64-1]



$C_{10}H_{19}NO_2$ M 185.266

Tranquilliser. Mp 128-129°.

B.P., 879 236, (*1960*); *CA*, **56**, 8591c (*synth, pharmacol*)

Prodeconium(2+) **P-00457**

Dipropyl[decamethylenebis(oxyethylene)]-bis[(carboxymethyl)dimethylammonium, 8CI

$H_3CCH_2CH_2OOCCH_2NMe_2^{\oplus}CH_2CH_2O(CH_2)_{10}OCH_2CH_2NMe_2^{\oplus}CH_2COOCH_2CH_2CH_3$

$C_{28}H_{58}N_2O_6^{\oplus\oplus}$ M 518.776 (ion)

Neuromuscular blocking agent.

Dibromide: [3690-61-7]. *Prodeconium bromide, INN. Dioxahexadecanium bromide. G 25178. Prestonal.*

$C_{28}H_{58}Br_2N_2O_6$ M 678.584

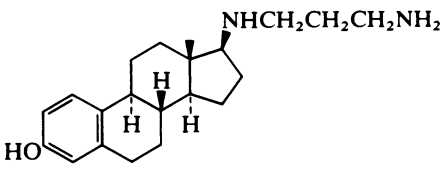
Mp 79°.

U.S.P., 2 708 206, (*1955*); *CA*, **50**, 6521 (*synth, pharmacol*)

Prodiame P-00458

17-[(3-Aminopropyl)amino]estra-1,3,5(10)-trien-3-ol, 9CI

[87189-13-7]



$C_{21}H_{32}N_2O$ M 328.497

Anticoagulant. Mp 153-155°.

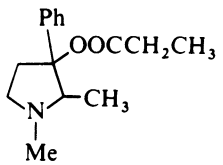
Fernandez-Gonzalez, J.M. *et al*, *Monatsh. Chem.*, 1983, **114**, 535 (*props*)

Rubio-Poo, C. *et al*, *Proc. West Pharmacol. Soc.*, 1983, **26**, 111 (*pharmacol*)

Prodilidine, INN P-00459

1,2-Dimethyl-3-phenyl-3-pyrrolidinol propanoate, 9CI, 8CI. A 1981-12. CI 427. NIH 7605. MJ 5054

[3734-17-6]



$C_{15}H_{21}NO_2$ M 247.336

Analgesic. $Bp_{1.1}$ 126-128°. Rel. config. undetermined.

▷UY5640000.

B,HCl: [3734-16-5]. *Prodilidine hydrochloride, USAN. Cogesic.* Mp 194-195°.

▷UY5680000.

Cavalla, J.F. *et al*, *J. Med. Chem.*, 1961, **4**, 1 (*synth, pharmacol*)

Kissel, J.W. *et al*, *J. Pharmacol. Exp. Ther.*, 1961, **134**, 332 (*pharmacol*)

Winder, C.V. *et al*, *J. Pharmacol. Exp. Ther.*, 1961, **133**, 117 (*pharmacol*)

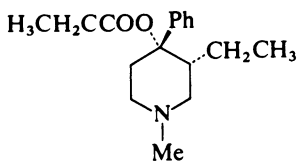
Weikel, J.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1962, **138**, 392 (*metab*)

Wu, Y.-H. *et al*, *J. Med. Chem.*, 1962, **5**, 762 (*synth*)

Humblet, C. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1618 (*cryst struct*)

Prodine P-00460

1,3-Dimethyl-4-phenyl-4-piperidinol propionate, 9CI. 1,3-Dimethyl-4-phenyl-4-propionyloxypiperidine



(3R,4S)-form

$C_{16}H_{23}NO_2$ M 261.363

(3R,4S)-form [25312-59-8]

(+)-*α-Prodine*

B,HCl: [17046-73-0]. Cryst. (Me_2CO/Et_2O). Mp 194-196°. $[\alpha]_D^{21}$ +26.5° (c, 1 in EtOH). Hygroscopic.

(3S,4R)-form [25312-58-7]

(−)-*α-Prodine.* ***Alphaprodine, BAN***

B,HCl: [17046-74-1]. *Alphaprodine hydrochloride, USAN.* Cryst. (Me_2CO/Et_2O). Mp 196-197°. Bp. −27.9° (c, 1 in EtOH). Hygroscopic.

(3RS,4SR)-form [15867-21-7]

(±)-cis-*form.* (±)-*α-Prodine*

Mp 103°.

B,HCl: Nisentil. Nu-1196. Analgesic. Cryst. (Me_2CO). Mp 220-221° (214-215°).

(3RS,4RS)-form [23950-19-8]

(±)-*β-Prodine.* ***Betaprodine, BAN, INN***

Analgesic, more active than the α-form.

B,HCl: [13398-52-2]. *Nu-1779.* Cryst. (Me_2CO/MeOH). Mp 199-200°.

Ziering, A. *et al*, *J. Org. Chem.*, 1949, **12**, 911; 1957, **22**, 1521 (*synth, ir*)

Ahmed, F.R. *et al*, *Acta Crystallogr.*, 1963, **16**, 237 (*cryst struct*)

Portoghese, P.S. *et al*, *J. Pharm. Sci.*, 1968, **57**, 711 (*abs config*)

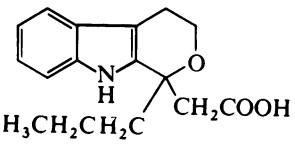
Jones, A.J. *et al*, *Can. J. Chem.*, 1973, **51**, 1782 (*cmr*)

Larson, D.L. *et al*, *J. Med. Chem.*, 1973, **16**, 195 (*synth*)

Prodolic acid, USAN, INN P-00461

1,3,4,9-Tetrahydro-1-propylpyrano[3,4-b]indole-1-acetic acid, 9CI. AY 23289

[36505-82-5]



$C_{16}H_{19}NO_3$ M 273.331

Antiinflammatory drug. Mp 152-153°.

▷UQ0365000.

Martel, R.R. *et al*, *Agents Actions*, 1974, **4**, 370 (*pharmacol*)

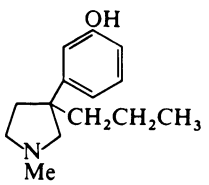
Demerson, C.A. *et al*, *J. Med. Chem.*, 1975, **18**, 189 (*synth, pharmacol*)

Greenberg, R., *Can. J. Physiol. Pharmacol.*, 1975, **53**, 186 (*pharmacol*)

Profadol, BAN, INN P-00462

3-(1-Methyl-3-propyl-3-pyrrolidinyl)phenol, 9CI

[428-37-5]



$C_{14}H_{21}NO$ M 219.326

▷SM1225000.

(±)-form [1470-95-7]

Analgesic, antitussive.

B,HCl: [2324-94-9]. *Profadol hydrochloride, USAN. Centrac. A 2205. CI 572.* Mp 145-146°.

Cavalla, J.F. *et al*, *J. Med. Chem.*, 1964, **7**, 412; 1965, **8**, 316 (*synth, pharmacol*)

Winder, C.V. *et al*, *J. Pharmacol. Exp. Ther.*, 1966, **154**, 161 (*pharmacol*)

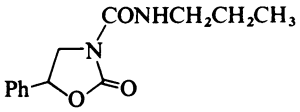
Bowman, R.E., *Chem. Ind.* (*London*), 1969, 1077 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13173.

Profexalone, INN P-00463

2-Oxo-5-phenyl-N-propyl-3-oxazolidinecarboxamide, 9CI

[34740-13-1]



$C_{13}H_{16}N_2O_3$ M 248.281

(±)-form

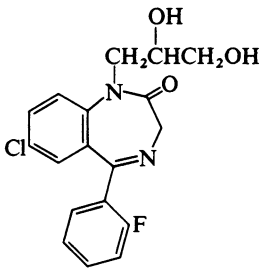
Anticonvulsant, hypnotic agent. Mp 30°. $Bp_{0.04}$ 180°.

Ger. Pat., 2 111 775, (*1971*); *CA*, **76**, 34235q (*synth, pharmacol*)

Proflazepam, INN P-00464

7-Chloro-1-(2,3-dihydroxypropyl)-5-(2-fluorophenyl)-1,3-dihydro-2H-1,4-benzodiazepin-2-one, 9CI

[52829-30-8]



$C_{18}H_{16}ClFN_2O_3$ M 362.787

(±)-form

Anticonvulsant, tranquilliser. Cryst. (EtOH). Mp 120-122°.

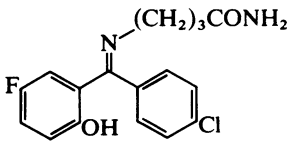
B,HCl:

U.S.P., 3 963 777, (*1976*); *CA*, **85**, 177507b (*synth, pharmacol*)
Seiler, P. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1519 (*pharmacol*)

Progabide, BAN, USAN, INN P-00465

4-[[(4-Chlorophenyl)(5-fluoro-2-hydroxyphenyl)-methylene]amino]butanamide, 9CI. Gabren. Halogabide. SL 76002

[62666-20-0]



$C_{17}H_{16}ClFN_2O_2$ M 334.777

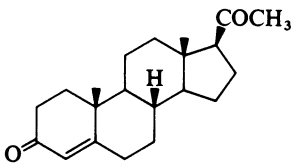
Anticonvulsant, muscle relaxant. Dimorphic cryst. (EtOAc). Mp 136°, Mp 142.5°.

Kaplan, J.P. *et al*, *J. Med. Chem.*, 1980, **23**, 702 (*synth, pharmacol*)
Pascard, C. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 3131 (*cryst struct*)
Lloyd, K.G. *et al*, *Pharmacol. Biochem. Behav.*, 1983, **18**, 957.
Bergmann, K.J., *Clin. Neuropharmacol.*, 1985, **8**, 13 (*rev, pharmacol*)
Mompon, B. *et al*, *J. Chromatogr.*, 1986, **363**, 372 (*isom, pmr, uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16968.

Progesterone, INN P-00466

Pregn-4-ene-3,20-dione, 9CI. Numerous synonyms

[57-83-0]



$C_{21}H_{30}O_2$ M 314.467

▷TW0175000.

(+)-form

Progestational hormone secreted by corpus luteum during menstrual cycle. Progestogen. Dimorph. cryst. (pet. ether). Mp 121-122°, Mp 127-131°. $[\alpha]_D^{20}$ +192° (c, 2 in dioxan).

Dioxime:

$C_{21}H_{32}N_2O_2$ M 344.496
Mp 243°.

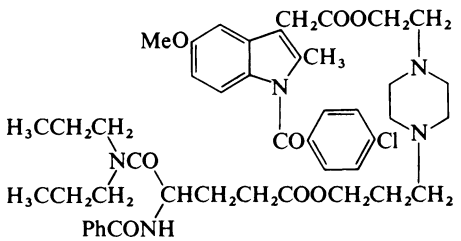
(±)-form [14546-13-5]

Prisms (MeOH or hexane). Mp 183.5-185.5°.

Rushig, H. *et al*, *Chem. Ber.*, 1955, **88**, 883 (*synth*)
Beyer, K.F. *et al*, *J. Biol. Chem.*, 1956, **219**, 69 (*biosynth*)
Tsuda, K. *et al*, *Chem. Pharm. Bull.*, 1961, **9**, 925 (*synth*)
Rothchild, I., *Vitamins Hormones*, 1965, **23**, 209 (*physiology*)
Campsteyn, H. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 3032 (*cryst struct*)
Hammerum, S. *et al*, *Tetrahedron*, 1975, **31**, 2391 (*ms*)
Kim, D.J. *et al*, *Can. J. Chem.*, 1976, **54**, 3766 (*cmr*)
Raggio, M.L. *et al*, *J. Org. Chem.*, 1976, **41**, 1873 (*synth*)
Gravestock, M.B. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 4274 (*synth*)
Mauvais-Jarvis, P. *et al*, *Progesterone Progestins* [*Int. Symp.*], 1981, 1 (*rev*)
Johnson, W.S. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 6653 (*synth*)
McCarty, K.S. *et al*, *Clin. Endocrinol. Metab.*, 1983, **12**, 133 (*rev*)
Boar, R.B. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, **6**, 1201 (*synth*)
Maggi, A. *et al*, *Life Sci.*, 1985, **37**, 893 (*rev*)
Silva, C.M. *et al*, *Mol. Mech. Steroid Horm. Action*, 1985, 141, 471, 659 (*rev*)
Wei, L.L. *et al*, *Steroids*, 1985, **46**, 678 (*rev*)
Numazawa, M. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 3722 (*synth*)
Marat, K. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 25 (*conformn, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9098.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6332.

Proglumetacin, BAN, INN P-00467

2-[4-[3-[(4-Benzoylamino)-5-(dipropylamino)-1,5-dioxopentyl]oxy]propyl]-1-piperazinyl]ethyl 1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetate, 9CI. 3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl 4-benzamido-N,N-dipropylglutaramate 1-(4-chlorobenzoyl)-5-methoxy-2-methylindole-3-acetate. Protacine



$C_{46}H_{58}ClN_5O_8$ M 844.446

(±)-***form***

Antiinflammatory, antirheumatic and analgesic agent.

Maleate (1:2): [59209-40-4]. *Proglumetacin maleate. Afloxan. Protaxil. Protaxon. Protoxil. Proxil. CR 604.* Cryst. (EtOH). Mp 146-148°.

▷NL3520500.

Ger. Pat., 2 535 799, (*1976*); *CA*, **84**, 180296s (*synth, pharmacol*)
Makovec, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1979, **14**, 447 (*synth*)
Makovec, F. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1116, 1122, 1126 (*pharmacol*)
Makovec, F. *et al*, *Int. J. Tissue React.*, 1979, **1**, 95 (*pharmacol*)
Makovec, F. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 698, 806 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13174.

Proglumide, BAN, USAN, INN, JAN P-00468

*4-(Benzoylamino)-5-(dipropylamino)-5-oxopentanoic acid, 9CI. 4-Benzamido-*N,N*-dipropylglutaramic acid. Nulsa. Milid. Xylamide. Other proprietary names*

[6620-60-6]

$HOOCCH_2CH_2CH(NHCOPh)CON(CH_2CH_2CH_3)_2$

$C_{18}H_{26}N_2O_4$ M 334.414

▷MA2805000.

(±)-***form***

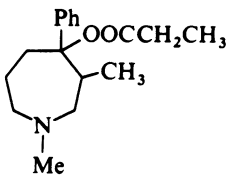
Anticholinergic, antigastrinic drug. Mp 142-145°.

Rovati, A.L. *et al*, *Minerva Med.*, 1967, **58**, 3651 (*pharmacol*)
Japan. Pat., 74 00 242, (*1974*); *CA*, **80**, 121324u (*synth*)
Bignamini, A.A. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 639 (*pharmacol*)
Umetzu, T. *et al*, *Eur. J. Pharmacol.*, 1980, **64**, 69 (*pharmacol*)
Bunney, B.S. *et al*, *Ann. N.Y. Acad. Sci.*, 1985, **448**, 345 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 705.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4979.

Proheptazine, INN P-00469

*Hexahydro-1,3-dimethyl-4-phenyl-1*H*-azepin-4-ol propanoate (ester), 9CI, 8CI. Dimepheprimine. Proeptazina*

[77-14-5]



$C_{17}H_{25}NO_2$ M 275.390

cis-form [50709-38-1]

Narcotic analgesic. $Bp_{0.3}$ 126°. n_D^{28} 1.5182.

B,HCl: Cryst. (EtOH/Me_2CO). Mp 207° dec.

B,HBr: Mp 207-207.5° dec.

Bruce, W.F. *et al*, *J. Med. Chem.*, 1964, **7**, 57 (*synth, pharmacol*)
Iorio, M.A. *et al*, *Chim. Ther.*, 1973, **8**, 85 (*synth, isomers*)

Prolactostatin P-00470

Prolactin-inhibiting factor, 9CI. PIF

[9034-47-3]

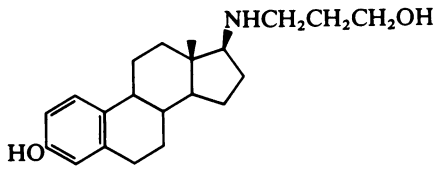
Hypothalamic factor which inhibits the synth. and release of prolactin.

Pasteels, J., *C.R. Hebd. Seances Acad. Sci.*, 1962, **254**, 2664.
Talwalker, P.K. *et al*, *Am. J. Physiol.*, 1963, **205**, 213.
Schally, A.V. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1964, **117**, 252; 1965, **118**, 350.
Greibrokk, T. *et al*, *Biochem. Biophys. Res. Commun.*, 1974, **59**, 704 (*purifn*)
Arimura, A. *et al*, *Adv. Exp. Med. Biol.*, 1977, 87 (*rev*)
Lam, Y.-K. *et al*, *Biochem. Biophys. Res. Commun.*, 1978, **81**, 680 (*purifn*)
Beattie, C.W., *Biochem. Mamm. Reprod.*, 1982, 287 (*rev*)
Wass, J.A. *et al*, *Basic Clin. Endocrinol.*, 1983, **3**, 333 (*rev*)
Adelman, J.P. *et al*, *Proc. Natl. Acad. Sci. USA*, 1986, **83**, 179 (*cloning*)

Prolame P-00471

17-[(3-Hydroxypropyl)amino]estra-1,3,5(10)-trien-3-ol, 9CI

[99876-41-2]



$C_{21}H_{31}NO_2$ M 329.481

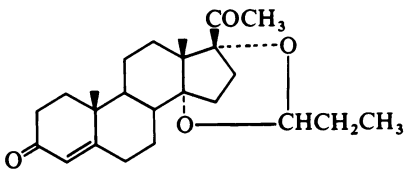
Anticoagulant. Antineoplastic agent. Cryst. (MeOH aq.). Mp 152°.

Fernandez-Gonzalez, J.M. *et al*, *Steroids*, 1985, **45**, 151, 159 (*synth, cryst struct, pharmacol*)

Proligestone, BAN, INN P-00472

14,17-[Propylidenebis(oxy)]preg-4-nene-3,20-dione, 9CI. Corvinan. Delvosteron

[23873-85-0]



$C_{24}H_{34}O_4$ M 386.530

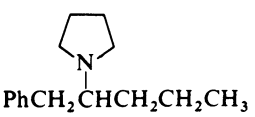
Progestogen. Mp 93-94°.

B.P., 1 279 489, (*1968*); *CA*, **71**, 61690n (*synth, pharmacol*)
van der Sijde, D. *et al*, *J. Med. Chem.*, 1972, **15**, 909 (*synth, pharmacol*)
Bogan, J.A., *Drugs of Today*, 1979, **15**, 240 (*rev, pharmacol, tox*)

Prolintane, BAN, INN P-00473

1-[1-(Phenylmethyl)butyl]pyrrolidine, 9CI. 1-(α-Propylphenethyl)pyrrolidine, 8CI. Villescon

[493-92-5]



$C_{15}H_{23}N$ M 217.353

▷UY2275000.

(±)-***form***

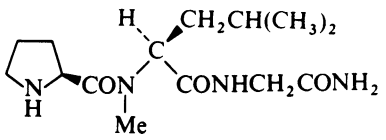
Analeptic, stimulant, antidepressant. Oil. Bp_{16} 153°.

B,HCl: [1211-28-5]. *Prolintane hydrochloride, USAN. Promotil. SP 732.* Cryst. (methyl ether). Mp 133-134°.

▷UY2450000.

Kadatz, R. *et al*, *Arzneim.-Forsch.*, 1957, **7**, 344 (*pharmacol*)
Ger. Pat., 1 093 799, (*1960*); *CA*, **55**, 19950c (*synth*)
Hucker, H.B. *et al*, *Experientia*, 1972, **28**, 430 (*metab*)
Yoshihara, S. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 714 (*metab*)
Yoshihara, S. *et al*, *Xenobiotica*, 1974, **4**, 529 (*metab, pharmacol*)
Marozzi, E., *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1444.

Prolyl-*N*-methylleucylglycinamide, 9CI P-00474



$C_{14}H_{26}N_4O_3$ M 298.384

L-D-form [61484-38-6]

Pareptide, INN

Antiparkinsonian drug.

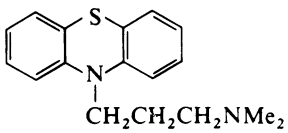
2B,H_2SO_4: [61484-39-7]. *Pareptide sulfate, USAN. AY 24856.*

Ger. Pat., 2 633 976, (*1977*); *CA*, **87**, 68656v (*synth, pharmacol*)
Pugsley, T.A. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 2293 (*pharmacol*)
Chiu, S. *et al*, *Pharmacol. Res. Commun.*, 1983, **15**, 41 (*activity*)

Promazine, BAN, INN P-00475

N,N-*Dimethyl-10H-phenothiazine-10-propanamine, 9CI. 10-(3-Dimethylaminopropyl)phenothiazine*

[58-40-2]



$C_{17}H_{20}N_2S$ M 284.418

Tranquilliser. Oily liq. $Bp_{0.3}$ 203-210°. Also marketed as embonate.

▷SO7000000.

B,HCl: [53-60-1]. *Promazine hydrochloride, USAN. Propazium. Sparine. Numerous proprietary names.* White/yellow hygroscopic cryst. Insol. Et_2O, C_6H_6. Mp 177-181° dec.

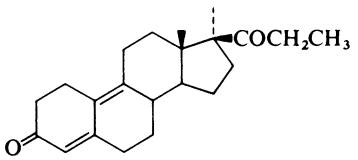
▷SO8575000.

Fr. Pat., 1 186 825, (*1959*)
Fink, G.B. *et al*, *J. Pharm. Sci.*, 1962, **51**, 548 (*pharmacol*)
De Leenheer, A., *J. Chromatogr.*, 1972, **74**, 35 (*nmr*)
Solomon, M.D. *et al*, *Aust. J. Chem.*, 1973, **26**, 325 (*ms*)
Rodgers, J.R. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 246 (*cryst struct*)
Szabo, W.A. *et al*, *J. Org. Chem.*, 1980, **45**, 744 (*synth*)
Dewey, E.A. *et al*, *Drug Metab. Dispos.*, 1981, **9**, 130 (*metab*)
Staiger, D.B. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 101 (*cmr*)
Schmolka, S.J. *et al*, *Synthesis*, 1984, **1**, 29 (*synth*)
Shibl, A.H. *et al*, *J. Pharm. Sci.*, 1984, **73**, 841 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7100, 7101.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4418.

Promegestone, INN P-00476

17-Methyl-17β-(1-oxopropyl)estra-4,9-dien-3-one, 9CI. 17α-Methyl-17-propionylestra-4,9-dien-3-one. 17,21-Dimethyl-19-norpregna-4,9-diene-3,20-dione. Surgestone. R 5020

[34184-77-5]



$C_{22}H_{30}O_2$ M 326.478

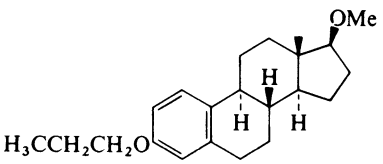
Progestin. Antineoplastic agent. Cryst. (isopropyl ether/CH_2Cl_2).

Fr. Pat., 2 149 302, (*1973*); *CA*, **79**, 79055j (*synth, pharmacol*)
Raynaud, J.P. *et al*, *J. Gynecol. Obstet. Biol. Reprod.*, 1983, **12**, 697 (*rev, pharmacol*)
Raynaud, J.P. *et al*, *Clin. Neuropharmacol.*, 1984, **7**, 325 (*rev, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3871.

Promestriene, INN P-00477

17β-Methoxy-3-propoxyestra-1,3,5(10)-triene, 9CI. Colpotrofin. Colpotrophine. Delipoderm

[39219-28-8]



$C_{22}H_{32}O_2$ M 328.494

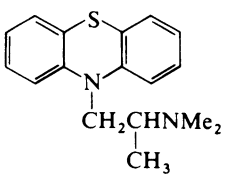
Glucocorticoid. Tropic agent, antiseborrheic. Cryst. (EtOH). Mp 66-67°. $[\alpha]_D^{25}$ +0.97° (EtOH).

B.P., 1 337 198, (*1972*); *CA*, **78**, 106386f (*synth, pharmacol*)
Thevenot, R. *et al*, *Therapie*, 1976, **31**, 771 (*props*)
Tresca, J.P. *et al*, *Ann. Endocrinol.*, 1977, **38**, 355 (*pharmacol*)
Moore, D.H. *et al*, *Steroids*, 1983, **41**, 15 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13176.

Promethazine, BAN P-00478

N,N,α-*Trimethyl-10H-phenothiazine-10-ethanamine, 9CI. 10-[2-(Dimethylamino)propyl]phenothiazine, 8CI*

[60-87-7]



$C_{17}H_{20}N_2S$ M 284.418

No differences discerned in pharmacol. props. of enantiomers.

▷SO6825000.

(+)-form [67253-23-0]

Mp 218-219°. $[\alpha]_D^{20}$ +6.7° (c, 4.5 in H_2O).

B,HCl: Mp 220-221°. $[\alpha]_D^{20}$ +7.6° (c, 4.5 in H_2O).

(−)-form

B,HCl: Mp 219-221°. $[\alpha]_D^{20}$ −7.6° (c, 4.5 in H_2O).

(±)-*form* [73745-50-3]
Antiemetic, antihistaminic, sedative. Crystalline mass. Mp 60°. Bp_3 190-192°.

B,HCl: [58-33-3]. *Promethazine hydrochloride, USAN. Diprazin. Proazamine. Phenergan. Numerous other proprietary synonyms.* Mp 230-232° dec. Component of Tixylix.

▷SO8225000.

8-Chlorotheophylline salt: [17693-51-5]. *Promethazine theoclate, BAN. Avomine.*

Maleate: [27059-74-1]. *Romergan.*

10-Camphorsulfonate: Promethazine camsylate. Antihistamine.

S,S-*Dioxide:* [13754-56-8]. *Prothanon. Dioxopromethazine. Dioxoprothazine. Promethazine dioxide. Prothanelten. Wu 3227.*
$C_{17}H_{20}N_2O_2S$ M 316.417
Antihistaminic, antiallergic.

▷SO7350000.

B,MeSO₄: see Thiazinamium(1+), T-00182

▷*SP0175000.*

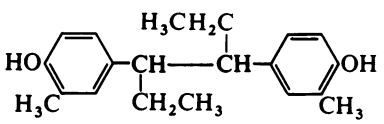
B,MeCl: see Thiazinamium(1+), T-00182

B,(CH_2CH_2OH)Cl: Aprobit. Lergobit. Promethazine hydroxyethyl chloride. Antihistamine, anticholinergic agent.

Charpentier, P., *C. R. Hebd. Seances Acad. Sci.*, 1947, **225**, 306 (*synth*)
Toldy, L. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1959, **19**, 273 (*resoln*)
Gilbert, J.N. *et al*, *Org. Mass. Spectrom.*, 1969, **2**, 17 (*ms*)
Wunderlich, H. *et al*, *Pharmazie*, 1970, **25**, 78 (*oxide*)
de Leenheer, A. *et al*, *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Marsau, P. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 986 (*cryst struct*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Shearer, C. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 429 (*rev, prop, synth*)
Bornschein, I. *et al*, *Pharmazie*, 1979, **34**, 750 (*formn, deriv*)
Szabo, W.A. *et al*, *J. Org. Chem.*, 1980, **45**, 744 (*synth*)
Niemegeers, C.J.E. *et al*, *Drug Dev. Res.*, 1982, **2**, 559 (*pharmacol*)
Taylor, G. *et al*, *Br. J. Clin. Pharmacol.*, 1983, **15**, 287 (*pharmacol*)
Nilsson, J.L.G. *et al*, *Acta Pharm. Suec.*, 1984, **21**, 309 (*synth, resoln*)
Galons, H. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 5108 (*synth, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4419, 4934.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6101, 6102, 6103.

Promethoestrol, BAN P-00479

4,4'-(1,2-Diethyl-1,2-ethanediyl)bis[2-methylphenol], 9CI. 4,4'-(1,2-Diethylethylene)di-o-cresol, 8CI. ***Methestrol, INN.*** *3,4-Bis(4-hydroxy-3-methylphenyl)hexane. Dimethylhexostrol. Meprane. Methoestrolum*
[130-73-4]



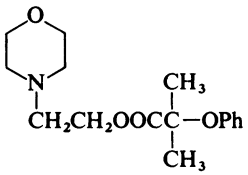
$C_{20}H_{26}O_2$ M 298.424
Oestrogen. Mp 195°.

Dipropanoate: [84-13-9]. *Methestrol dipropionate. Meprane dipropionate. Promethestrol dipropionate.* Oestrogen. Mp 115°.

Burckhalter, J.H. *et al*, *J. Org. Chem.*, 1959, **24**, 445 (*synth*)
Jellinck, P.H. *et al*, *Biochem. Pharmacol.*, 1980, **29**, 3031 (*pharmacol*)
Hartmann, R.W. *et al*, *J. Med. Chem.*, 1983, **26**, 1137 (*synth, activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9099.

Promolate, INN P-00480

2-Morpholinoethyl 2-methyl-2-phenoxypropionate, 8CI. 2-Methyl-2-phenoxypropanoic acid 2-(4-morpholinyl)-ethyl ester. Kebiding. Massobron. Mebetus. Morphetylbutyne
[3615-74-5]



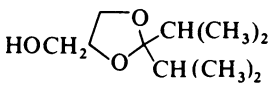
$C_{16}H_{23}NO_4$ M 293.362
Antitussive. $Bp_{0.1}$ 127-130°.

B,HCl: [10524-82-0]. Mp 154-155° (143-145°).

B.P., 1 154 244, (*1969*); *CA*, **71**, 38598e (*synth, pharmacol, tox*)
Machetti, E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **178**, 400; 1970, **184**, 245 (*pharmacol, metab*)
Li, Z.-S. *et al*, *CA*, 1981, **94**, 109215 (*purity*)

Promoxolan, BAN P-00481

2,2-Bis(1-methylethyl)-1,3-dioxolane-4-methanol, 9CI. 2,2-Diisopropyl-1,3-dioxolane-4-methanol, 8CI. 2,2-Diisopropyl-4-hydroxymethyl-1,3-dioxolane. Dimethylane. Dimethyline. Dimethylyn. Dioxolane. ***Promoxolane, INN***
[470-43-9]



$C_{10}H_{20}O_3$ M 188.266

▷JI0350000.

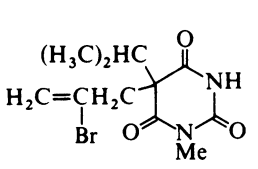
(±)-*form*
Sedative, skeletal muscle relaxant, spasmolytic agent. Viscous liq. Bp_9 115°.

O-*Tosyl:* Cryst. with characteristic odour. Mp 41-43°.

Boekelheide, V. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 3303 (*synth*)
Berger, F.M., *Arch. Int. Pharmacodyn.*, 1951, **85**, 474 (*pharmacol*)
Kratzl, K. *et al*, *Monatsh. Chem.*, 1962, **93**, 49 (*synth*)
McColl, J.D. *et al*, *Toxicol. Appl. Pharmacol.*, 1962, **4**, 263 (*pharmacol*)

Pronarcon P-00482

5-(2-Bromo-2-propenyl)-1-methyl-5-(1-methylethyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-(2-Bromoallyl)-5-isopropyl-1-methylbarbituric acid, 8CI
[125-55-3]



$C_{11}H_{15}BrN_2O_3$ M 303.155
Rapid-acting anaesthetic. Cryst. (EtOH aq.). Mp 115°.

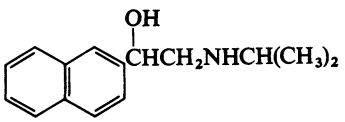
Na salt: [3329-16-6]. *Eunarcon. Enibomal. Narcobarbital. Other synonyms.*

Gill, J., *Acta Physiol. Pol.* (*Engl. Transl.*), 1965, **16**, 81 (*pharmacol*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1966, **299**, 231 (*resoln*)
Advovich, H.W. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)
Bouche, R., *Chim. Ther.*, 1973, **8**, 676 (*ir*)
Raun-Jonsen, A., *Acta Pharmacol. Toxicol.*, 1973, **32**, 401 (*metab*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1976, **309**, 173 (*synth, resoln*)
Wilhelm, E. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 507 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2025.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3118.

Pronethalol, BAN P-00483

α-[[(1-Methylethyl)amino]methyl]-2-naphthalenemethanol, 9CI. α-(Isopropylamino)methyl-2-naphthalenemethanol, 8CI. 2-Isopropylamino-1-(2-naphthyl)ethanol. [2-Hydroxy-2-(2-naphthyl)ethyl]isopropylamine. 1-(2-Naphthyl)-2-isopropylaminoethanol. ***Pronetalol, INN.*** *AY 6204. ICI 38174. Inetol. Naphthylisoproterenol. Nethalide*

[54-80-8]



$C_{15}H_{19}NO$ M 229.321

▷QJ9100000.

(±)-*form* [2238-85-9]

β-Adrenergic blocker. Cryst. (EtOAc). Mp 105-106°.

▷Carcinogen

B,HCl: [51-02-5]. *Alderlin.* Cryst. (MeOH/EtOAc). Mp 184°.

▷QJ9275000.

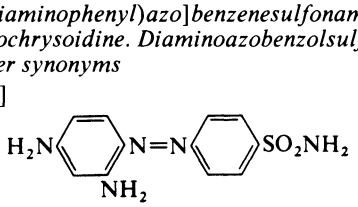
B,HBr: [3747-31-7]. Cryst. (MeOH/EtOAc). Mp 177-179°.

B.P., 909 357, (*1963*); *CA*, **58**, 5597 (*synth*)
B.P., 1 005 027, (*1965*); *CA*, **63**, 17999 (*synth*)
Howe, R., *Nature* (*London*), 1965, **207**, 594 (*bibl*)
Howe, R. *et al*, *J. Med. Chem.*, 1968, **11**, 1000 (*synth, ir, nmr*)
Karow, A.M. *et al*, *Fortschr. Arzneimittel. Forsch.*, 1971, **15**, 103 (*rev, pharmacol*)
Goursolle, M.G. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1522 (*cryst struct*)
Gadret, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1978, **13**, 367 (*conformn*)
Criuckshank, J.M. *et al*, *Saf. Test. New Drugs*, 1984, 93 (*tox*)
Shanks, R.G., *Discoveries Pharmacol.*, 1984, **2**, 37 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6321.

Prontosil P-00484

4-[(2,4-Diaminophenyl)azo]benzenesulfonamide, 9CI. Sulfamidochrysoidine. Diaminoazobenzolsulfonamidum. Other synonyms

[103-12-8]



$C_{12}H_{13}N_5O_2S$ M 291.327

Antibacterial agent of historical importance. 3 forms: red rectangular plates (Me_2CO), red cryst. (H_2O), orange cryst. (Me_2CO). Mp 232-235°, 218-220° (orange form). Used as hydrochloride.

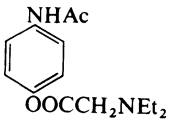
B,HCl: [33445-35-1]. Orange-red cryst. Sol. EtOH, Me_2CO, oils. Mp 248-250°.

Domagk, *Angew. Chem.*, 1935, **48**, 660.
Siegenthaler, W., *Antibiot. Chemother. Adv.*, 1960, **8**, 83 (*rev*)
Gingell, R. *et al*, *Biochem. J.*, 1969, **114**, 5 (*metab*)
Gingell, R. *et al*, *Xenobiotica*, 1973, **3**, 599 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2315.

Propacetamol, INN P-00485

4-(Acetylamino)phenyl N,N-*diethylglycine, 9CI.* N,N-*Diethylglycine, ester with 4'-hydroxyacetanilide. Paracetamol diethylaminoacetate. Efferalgan inj.. Pro-Dalgafan. UP 34101*

[66532-85-2]



$C_{14}H_{20}N_2O_3$ M 264.324

Analgesic, antipyretic.

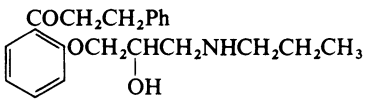
B,HCl: Mp 228°.

Belg. Pat., 854 376, (*1977*); *CA*, **88**, 190374n (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3166.

Propafenone, BAN, INN P-00486

1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-1-propanone, 9CI. 2'-(2-Hydroxy-3-propylaminopropoxy)-3-phenylpropiophenone, 8CI

[54063-53-5]



$C_{21}H_{27}NO_3$ M 341.449

Antiarrhythmic agent. Used mainly as hydrochloride.

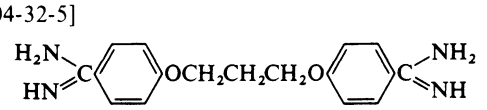
B,HCl: [34183-22-7]. *Rytmonorm. Baxarytmon. Norfenon. Normoritmin. Rythmol. Fenopraine. SA 79.* Cryst. (Me_2CO/MeOH). Mp 173-174°. Slightly bitter tasting. LD_{50} in rats 18.8 mg/kg, i.v., 700 mg/kg, p.o.

Ger. Pat., 2 001 431, (*1971*); *CA*, **75**, 151538f (*synth, pharmacol*)
Hapke, H.J. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1849 (*pharmacol, tox*)
Hege, H.G. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 843, 972 (*synth, metab*)
Kohlhardt, M., *Am. J. Cardiol.*, 1984, **54**, 13 (*rev*)
Zipes, D.P. *et al*, *Ann. N.Y. Acad. Sci.*, 1984, **432**, 201 (*rev*)
Harron, D.W. *et al*, *Drugs*, 1987, **34**, 617 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13177.

Propamidine, BAN, INN P-00487

4,4'-[1,3-Propanediylbis(oxy)]-bisbenzenecarboximidamide, 9CI. 4,4'-Trismethylenedioxydibenzamidine. M and B 782. Panamidin

[104-32-5]



$C_{17}H_{20}N_4O_2$ M 312.371

Bactericide, fungicide.

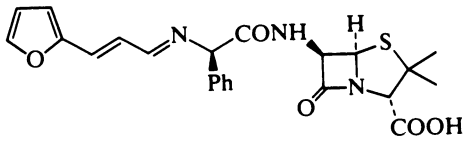
B,2HCl: [6275-69-0]. Mp 202-204° dec.

▷CV6580000.

Benzenesulfonyl: Mp 236-237°.
Bis(2-hydroxyethanesulfonate): [140-63-6]. *Propamidine isethionate.* Mp 235°.
▷KI7960000.
Oxley, P. *et al, J. Chem. Soc.*, 1946, 147 (*synth*)
Hugo, W.D., *Inhibition and Destruction of the Microbial Cell*, 1971, Academic Press, London, 121 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2272.

Propampicillin P-00488

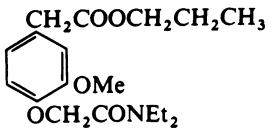
6-[[[[3-(2-Furanyl)-2-propenylidene]amino]-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, 9CI
[50894-67-2]



$C_{23}H_{23}N_3O_5S$ M 453.512
Antibiotic.
Na salt: [41136-10-1].
Uglesic, A. *et al, CA*, 1973, **79**, 61968, 61981 (*synth, props*)

Propanidid, BAN, USAN, INN, JAN P-00489

Propyl 4-[2-(diethylamino)-2-oxoethoxy]-3-methoxybenzeneacetate, 9CI. Propyl [4-[(diethylcarbamoyl)-methoxy]-3-methoxyphenyl]acetate, 8CI. Epontal. Other proprietary names
[1421-14-3]



$C_{18}H_{27}NO_5$ M 337.415
Anaesthetic (intravenous). Pale yellow oil. $Bp_{0.7}$ 210-212°.
▷AG9625000.
Ger. Pat., 1 134 981, (*1962*); *CA*, **58**, 4480f (*synth*)
Whitehead, R.W. *et al, Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 178 (*rev, pharmacol*)
Clarke, R.S.J., *Int. Anesthesiol. Clin.*, 1974, **12**, 135 (*rev*)
Kracmar, J. *et al, Pharmazie*, 1976, **31**, 614 (*uv*)
Porsius, A.J. *et al, Arzneim.-Forsch.*, 1976, **26**, 1999 (*metab*)
Nousiainen, V. *et al, J. Chromatogr.*, 1984, **308**, 376 (*detn, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3120.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5012.

Propanocaine, INN P-00490

α-[2-(Diethylamino)ethyl]benzenemethanol benzoate, 9CI. α-(2-Diethylaminoethyl)benzyl benzoate, 8CI. Detraine. 467 D_3
[493-76-5]

$PhCOOCHPhCH_2CH_2NEt_2$

$C_{20}H_{25}NO_2$ M 311.423
(±)-form
Local anaesthetic. Yellow oil.
B,HCl: [1679-79-4]. Mp 163-164°.
Nazarov, I.N. *et al, Zh. Obshch. Khim.*, 1955, **25**, 1536; *CA*, **50**, 4824 (*synth, pharmacol*)
Fr. Pat., 1 234 701, (*1960*); *CA*, **55**, 24682g (*synth*)
Casanovas, A.M. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 333 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7645.

2-Propanol, 9CI P-00491

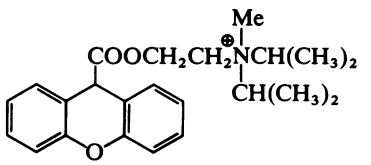
Isopropanol. 2-Hydroxypropane. Isopropyl alcohol, USAN. Alcojel. Avantin. Bowsteral. Hartasol. Petrohol. Propol. Takineocol
[67-63-0]

$H_3CCH(OH)CH_3$

C_3H_8O M 60.096
Present in fruit aromas, e.g. *Carica papaya*. Widely used solvent for creosote, resins, gums, inks, oil, lotions etc. Used in antifreeze mixt. and as extraction solvent in food preparation. Topical antiinfective. Pharmaceutic aid (solvent). Sol. H_2O. d_4^{20} 0.786. Fp −89.5°, Mp −88.5°. Bp 82.40°. n_D^{20} 1.3776. Forms azeotropic mixt. with H_2O ctg. 12.1% H_2O. Can be salted out from aq. solns. Component of Hibistat.
▷Eye irritant, TLV 980. Fl. p. 12°. Explosive reacn. with some materials. NT8050000.
Methanesulfonyl:
▷Exp. teratogen
Brooks, B.T., *Chem. Rev.*, 1926, **2**, 382 (*rev*)
Brooks, B.T., *J. Am. Chem. Soc.*, 1934, **56**, 1998 (*synth*)
Hatch, L.F., *Isopropyl Alcohol*, 1961, McGraw-Hill, N.Y. (*bibl*)
Katague, D.B. *et al, J. Pharm. Sci.*, 1965, **54**, 891 (*isol*)
Kirk-Othmer Encycl. Chem. Technol., 2nd Ed., 1968, **16**, 564 (*rev*)
Food Chemicals Codex, 2nd Ed., **2**, 417 (*anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 555.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 447.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 458.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1652.

Propantheline P-00492

N-Methyl-N-(1-methylethyl)-N-[2-[(9H-xanthen-9-ylcarbonyl)oxy]ethyl]-2-propanaminium, 9CI. (2-Hydroxyethyl)diisopropylmethylammonium xanthene-9-carboxylate, 8CI
[298-50-0]



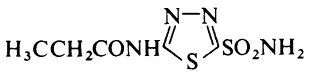
$C_{23}H_{30}NO_3^{\oplus}$ M 368.495 (ion)
Anticholinergic, spasmolytic agent.
B,HBr: [50-34-0]. *Propantheline bromide, INN, BAN, USAN. Pro-Banthine. Numerous synonyms.* V. sol. H_2O, EtOH, $CHCl_3$. Mp 159-161°.
▷BP8249200.
Gootjes, J. *et al, J. Med. Chem.*, 1961, **3**, 157 (*synth, pharmacol*)
Moller, J. *et al, Acta Med. Scand.*, 1968, **184**, 201 (*pharmacol*)
Beermann, B. *et al, Clin. Pharmacol. Ther.*, 1972, **13**, 212 (*metab*)
Vose, C.W. *et al, Xenobiotica*, 1978, **8**, 745 (*metab*)
Vose, C.W. *et al, Eur. J. Drug Metab. Pharmacokinet.*, 1980, **5**, 29 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 411.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6961.

Propazolamide, INN P-00493

5-Propionamido-1,3,4-thiadiazole-2-sulfonamide, 6CI. N-[5-(Aminosulfonyl)-1,3,4-thiadiazol-2-yl]-propanamide, 9CI. Ionaze. MC 9367

[98-75-9]



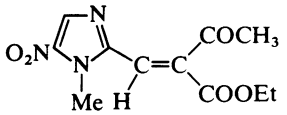
$C_5H_8N_4O_3S_2$ M 236.263

Carbonic anhydrase inhibitor; diuretic (veterinary). Mp 147-148° dec. pK_{a1} 7.1, pK_{a2} 8.3.

Vaughan, J.R., *J. Org. Chem.*, 1956, **21**, 700 (*synth, pharmacol*)
Balistocky, M.H. *et al*, *Am. J. Ophthalmol.*, 1957, **43**, 730 (*pharmacol*)

Propenidazole, INN P-00494

2-[(1-Methyl-5-nitro-1H-imidazol-2-yl)methylene]-3-oxobutanoic acid ethyl ester, 9CI. 2-Acetyl-3-(1-methyl-5-nitro-2-imidazoyl)-2-propenoic acid ethyl ester. Ethyl α-acetyl-1-methyl-5-nitroimidazole-2-acrylate. Naska



(*E*)-*form*

$C_{11}H_{13}N_3O_5$ M 267.241

(*E*)-form [76448-31-2]

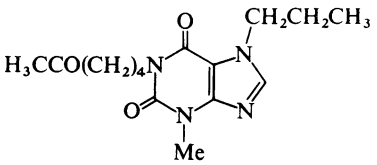
Antiprotozoal agent, used to treat trichomoniasis. Cryst. (EtOH). Mp 110-111°.

Ger. Pat., 2 506 256, (*1975*); *CA*, **84**, 4958a (*synth, pharmacol*)
Winkelmann, E. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 2251 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3926.

Propentofylline, INN P-00495

3,7-Dihydro-3-methyl-1-(5-oxohexyl)-7-propyl-1H-purine-2,6-dione, 9CI. 3-Methyl-1-(5-oxohexyl)-7-propylxanthine. Karsivan. HWA 285

[55242-55-2]



$C_{15}H_{22}N_4O_3$ M 306.364

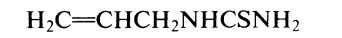
Vasodilator. Cryst. (isopropyl ether). Mp 69-70°.

Ger. Pat., 2 330 742, (*1975*); *CA*, **82**, 171027m (*synth, pharmacol*)

2-Propenylthiourea, 9CI P-00496

***Allylthiourea, INN**. Allylthiocarbamide. Aminosin. Rhodallin. Rodalina. Thiosinamine. Tiosinamine*

[109-57-9]



$C_4H_8N_2S$ M 116.181

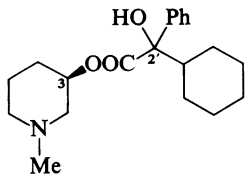
Used to minimize scar tissue. Monoclinic or rhombic prisms. Sol. H_2O, EtOH, spar. sol. Et_2O, insol. C_6H_6. Mp 78°.

▷Powerful allergen. YR8050000.

Gadamer, J., *J. Chem. Soc.*, 1896, **70**, 414.
Kofler, A., *Arch. Pharm. (Weinheim, Ger.)*, 1948, **281**, 8
Neville, R.G. *et al*, *Can. J. Chem.*, 1963, **41**, 2123.
Dragonette, K.S. *et al*, *Acta Crystallogr.*, 1965, **19**, 973 (*cryst struct*)
Wolfgang, W. *et al*, *Justus Liebigs Ann. Chem.*, 1971, **743**, 167 (*ir*)
Popiel, I. *et al*, *Trans. Roy. Soc. Trop. Med. Hyg.*, 1981, **75**, 287 (*props*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 172.

Propenzolate P-00497

*1-Methyl-3-piperidinyl α-cyclohexyl-α-hydroxybenzeneacetate, 9CI. 1-Methyl-3-piperidyl α-phenylcyclohexaneglycolate, 8CI. **Oxyclipine, INN**. JB 840. NDR 263. Oxiclipinum*



$C_{20}H_{29}NO_3$ M 331.454

(*3R,2'RS*)-form [4354-45-4]

Anticholinergic drug.

▷GV2975000.

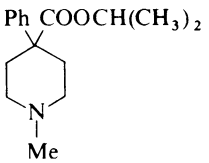
B,HCl: [1420-03-7]. *Propenzolate hydrochloride, USAN. Delinal.* Mp 222°.

Biel, J.H. *et al*, *J. Org. Chem.*, 1961, **26**, 4096 (*synth*)
Beiler, J.M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1965, **153**, 139 (*pharmacol*)
Peterson, B.A. *et al*, *J. Forensic Sci.*, 1976, **21**, 279 (*ms*)

Properidine, BAN, INN P-00498

1-Methyl-4-phenyl-4-piperidinecarboxylic acid 1-methylethyl ester, 9CI. 1-Methyl-4-phenylisonipecotic acid isopropyl ester, 8CI. Isopedine. Dolisina B. Gevelina. Ipropethidine. Nu 896. Spasmo-Dolisina

[561-76-2]



$C_{16}H_{23}NO_2$ M 261.363

Analgesic, antispasmodic.

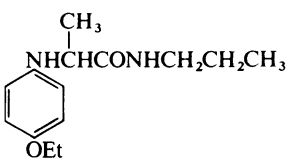
B,HCl: Sol. H_2O. Mp 192-195°. Can be addictive.

Bergel, F. *et al*, *J. Chem. Soc.*, 1944, 265 (*synth*)

Propetamide, INN P-00499

2-[(4-Ethoxyphenyl)amino]-N-propylpropanamide, 9CI. 2-p-Phenetidino-N-propylpropionamide, 8CI. Etapromide. FC 379. PFP

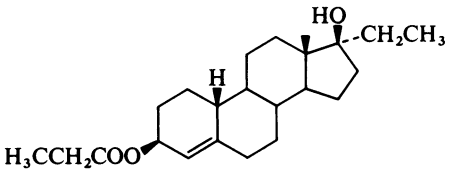
[730-07-4]



$C_{14}H_{22}N_2O_2$ M 250.340

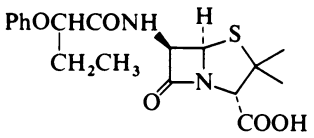
(±)-*form* [35193-71-6]
Analgesic. Mp 95-96°. $Bp_{0.001}$ 149-152°.
Larizza, A. *et al*, *Farmaco, Ed. Sci.*, 1964, **19**, 1012 (*synth, pharmacol*)
Coscia, L. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1966, **164**, 340.
Jacques, J. *et al*, *Tetrahedron Lett.*, 1971, 4617 (*resoln*)

Propetandrol, INN **P-00500**
19-Nor-17α-pregn-4-ene-3β,17-diol propionate. Propethandrol. Solevar. SC 7294
[3638-82-2]



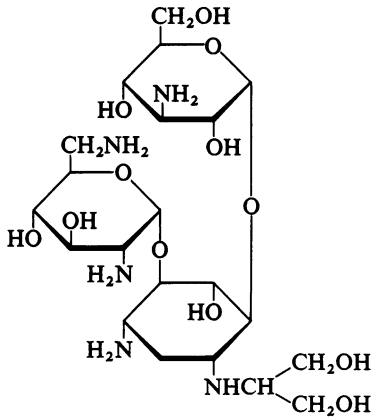
$C_{23}H_{36}O_3$ M 360.536
Anabolic androgen. Mp 87-88°.
U.S.P., 2 843 609, (*1958*); *CA*, **53**, 1415c (*synth, pharmacol*)
Metcalf, W. *et al*, *Proc. Soc. Exptl. Biol. Med.*, 1961, **107**, 744 (*pharmacol*)

Propicillin, BAN, INN **P-00501**
6-(α-Phenoxybutyramido)penicillanic acid. 1-(Phenoxypropyl)penicillin. Levopropylcillin. Numerous proprietary names
[551-27-9]



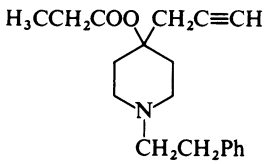
$C_{18}H_{22}N_2O_5S$ M 378.442
Semisynthetic penicillin. Orally absorbed antibiotic active against gram-positive bacteria.
K salt: [1245-44-9]. *Levopropylcillin potassium*, *USAN*. *Ultrapen. BRL 284.* Sol. H_2O. Mp 195-197° dec.
▷XH9300000.
Perron, Y. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 3934 (*synth*)
Auhagen, E. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 751, 768 (*pharmacol*)
Kitamoto, O. *et al*, *J. Antibiotics*, 1963, **16B**, 109 (*metab*)
Glombitza, K., *Justus Liebigs Ann. Chem.*, 1964, **673**, 166 (*synth*)
Lynn, B., *Pharm. J.*, 1966, **196**, 91, 115 (*rev*)
Cole, M. *et al*, *Antimicrob. Agents Chemother.*, 1973, **3**, 463 (*metab*)
Voldeng, A.N. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 621 (*synth*)
Hoogmartens, J. *et al*, *J. Chromatogr.*, 1982, **244**, 299 (*purifn*)
Tsuji, A. *et al*, *J. Pharm. Sci.*, 1983, **72**, 1239 (*pharmacol*)
Aboul Khier, A. *et al*, *Anal. Lett.*, 1984, **17**, 1659, 1667 (*hplc, tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 142.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4864.

Propikacin, USAN, INN **P-00502**
O-3-Amino-3-deoxy-α-D-glucopyranosyl-(1→6)-O-[2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)]-2-deoxy-N′-[2-hydroxy-1-(hydroxymethyl)ethyl]-D-streptamine, *9CI*. *N′-(1,3-Dihydroxy-2-propyl)-kanamycin C. UK 31,214*
[66887-96-5]



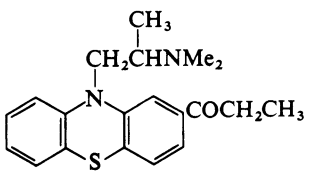
$C_{21}H_{43}N_5O_{12}$ M 557.597
Semisynthetic aminoglycoside antibiotic. Active against gram-negative bacteria including some aminoglycoside resistant strains. Amorph. Mp 165-170°.
Brammer, K.W. *et al*, *Curr. Chemother. Infect. Dis., Proc. Int. Congr. Chemother.*, 1979, **1**, 389, 390, 392 (*struct, synth, pharmacol, tox*)
Richardson, K. *et al*, *J. Antibiot.*, 1979, **32**, 973 (*synth, pharmacol*)
Thomas, M.B. *et al*, *Tetrahedron Lett.*, 1980, **21**, 4981 (*synth*)

Propinetidine, INN **P-00503**
1-(2-Phenylethyl)-4-(2-propynyl)-4-piperidinol propanoate, *9CI*. *1-Phenethyl-4-(2-propynyl)-4-piperidinol propionate*, *8CI*. *Labazyl* (*new form*). *L 2909*



$C_{19}H_{25}NO_2$ M 299.412
Antitussive. $Bp_{0.07}$ 126-130°.
B,HCl: [16779-72-9]. Mp 235-237°.
Prost, M. *et al*, *Helv. Chim. Acta*, 1966, **49**, 2370 (*synth, pharmacol*)

Propiomazine, BAN, INN, USAN **P-00504**
1-[10-[2-(Dimethylamino)propyl]-10H-phenothiazin-2-yl]-1-propanone, *9CI*, *8CI*. *10-(2-Dimethylaminopropyl)-2-propionylphenothiazine*
[362-29-8]



$C_{20}H_{24}N_2OS$ M 340.482

(±)-*form*

Sedative, hypnotic. $Bp_{0.5}$ 235-245°.

B,HCl: [1240-15-9]. *Propiomazine hydrochloride, USAN. Travet. Largon. Serentin.* Yellow powder. Sol. H_2O, EtOH, insol. C_6H_6. Mp 201-204°.

Maleate: [3568-23-8]. *Indorm. Propavan. 1678 CB. Dorevan. Phenoctyl. Propial. Wy 1359.* Mp 160-161°.

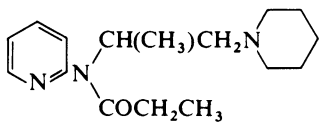
▷UC1935000.

Schmitt, J. *et al, Bull. Soc. Chim. Fr.*, 1957, 1474 (*synth*)
Dundee, J.W. *et al, Br. J. Anaesth.*, 1963, **35**, 597 (*pharmacol*)
Gilbert, J.N.T., *Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Andres, C.N., *J. Assoc. Off. Anal. Chem.*, 1970, **53**, 824 (*cryst struct*)
Crombie, K.B. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 439 (*rev*)
Hartvig, P. *et al, Curr. Ther. Res.*, 1981, **29**, 351 (*pharmacol*)
Shibl, A.M. *et al, J. Pharm. Sci.*, 1984, **73**, 841 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6158, 6159.

Propiram, BAN, INN P-00505

N-[1-Methyl-2-(1-piperidinyl)ethyl]-N-2-pyridinylpropanamide, 9CI

[15686-91-6]



$C_{16}H_{25}N_3O$ M 275.393

▷UE4525700.

(+)-*form* [16571-86-1]

Oil. $[\alpha]_D^{20}$ +47.6° (c, 0.013 in $CHCl_3$).

▷UE4525710.

B,HCl: [16571-90-7]. Mp 152-154°.

(−)-*form* [16571-89-4]

Oil. $[\alpha]_D^{20}$ −47.3° (c, 0.0145 in $CHCl_3$).

▷UE4525800.

B,HCl: [16571-87-2]. Cryst. (2-propanol). Mp 152-154°. $[\alpha]_D^{20}$ −53° (c, 0.01 in MeOH).

(±)-*form* [52373-67-8]

Analgesic. Bp 162-163°.

Fumarate: [13717-04-9]. *Propiram fumarate, USAN. Dirame. Algeril. Bayer 4503. FBA 4503.*

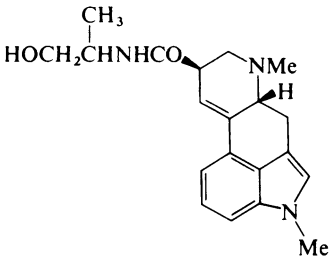
▷UE4526000.

Fr. Pat., M2 283, (*1964*); *CA*, **61**, 645g (*synth*)
Netherlands Appl., 6 610 362, (*1967*); *CA*, **67**,, 32594w (*resoln*)
Jasinski, D.R. *et al, Clin. Pharmacol. Ther.*, 1971, **12**, 613 (*pharmacol*)
Hullmann, R. *et al, Arzneim.-Forsch.*, 1974, **24**, 548 (*synth, activity, pharmacol*)
Martin, W.R. *et al, Probl. Drug Depend.*, 1976, **100**, 149 (*pharmacol*)
Wollweber, H. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 125, 134, 207 (*synth, activity, resoln, derivs, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2695.

Propisergide, INN P-00506

9,10-Didehydro-N-(2-hydroxy-1-methylethyl)-1,6-dimethyl-1,6-dimethylergoline-8-carboxamide, 9CI. Ergalgin

[5793-04-4]



$C_{20}H_{25}N_3O_2$ M 339.436

Used in treatment of migraine. Light-yellow microcryst. (pet. ether/CH_2Cl_2). Mp 67-70°. $[\alpha]_D^{20}$ −52.1° (c, 0.7 in $CHCl_3$).

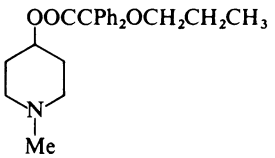
Maleate (1:1): [76958-69-5].

Hempel, R. *et al, Pharmazie*, 1979, **34**, 357 (*synth*)
Oelszner, W., *Acta Biol. Med. Ger.*, 1980, **39**, 897 (*pharmacol*)

Propiverine, INN P-00507

1-Methyl-4-piperidinyl α-phenyl-α-propoxybenzeneacetate, 9CI. 1-Methyl-4-piperidyl diphenylpropoxyacetate. Apomed. Mictonetten. Mictonorm. P 4

[60569-19-9]



$C_{23}H_{29}NO_3$ M 367.487

Analgesic, spasmolytic agent.

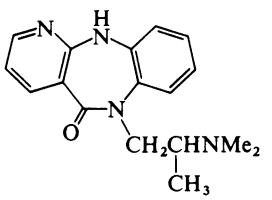
B,HCl: [54556-98-8]. Mp 216-218°.

E. Ger. Pat., 106 643, (*1974*); *CA*, **82**, 155841s (*synth*)
Franke, G. *et al, Zentralbl. Pharm. Pharmakother. Laboratoriumsdiagn.*, 1976, **115**, 577 (*metab*)
Grisk, A. *et al, Zentralbl. Pharm. Pharmakother. Laboratoriumsdiagn.*, 1976, **115**, 563 (*pharmacol*)

Propizepine, INN P-00508

6-[2-(Dimethylamino)propyl]-1,6-dihydro-5H-pyrido[2,3-b][1,5]benzodiazepine-5-one, 9CI. 6,11-Dihydro-6-[2-(dimethylamino)-2-methylethyl]-5H-pyrido-2,3-b][1,5]benzodiazepin-5-one, 8CI. UP 106

[10321-12-7]



$C_{17}H_{20}N_4O$ M 296.371

(±)-*form*

Antidepressant. Mp 122°.

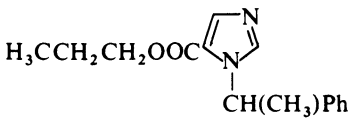
B,HCl: [14559-79-6]. *Depressin. Vagran 50.* Mp 235°.

Hoffmann, C. *et al, Bull. Soc. Chim. Fr.*, 1966, 2316 (*synth*)
Lwoff, J.M. *et al, Therapie*, 1971, **26**, 451 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13178.

Propoxate, INN P-00509

1-(1-Phenylethyl)-1H-imidazole-5-carboxylic acid propyl ester, 9CI

[7036-58-0]



$C_{15}H_{18}N_2O_2$ M 258.319

(±)-form

R7464

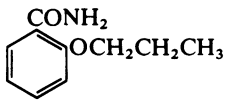
Hypnotic, sedative. Enantiomeric forms are briefly described in the patent literature.

Godefroi, E.F. *et al*, *J. Med. Chem.*, 1965, **8**, 220 (*synth, pharmacol*)
Ger. Pat., 2 609 573,, (*1976*); *CA*, **85**, 192739x

2-Propoxybenzamide, 9CI P-00510

***Probenzamide**. Propenzamide. Reuprosal*

[59643-84-4]



$C_{10}H_{13}NO_2$ M 179.218

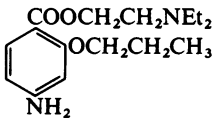
Analgesic. Cryst. (EtOH aq.). Mp 98-99°.

Bavin, E.M. *et al*, *J. Pharm. Pharmacol.*, 1952, **4**, 872, 878 (*synth, pharmacol*)
Carlsson, A. *et al*, *Arch. Pharmacol. Toxicol.*, 1955, **11**, 248 (*pharmacol*)

Propoxycaine, INN P-00511

2-(Diethylamino)ethyl 4-amino-2-propoxybenzoate, 9CI. Blockain. Pravocaine. Propoxyprocaine. Ranocaine. Ravocaine. Win 3459-2

[86-43-1]



$C_{16}H_{26}N_2O_3$ M 294.393

Local anaesthetic. Mp 146-151°.

▷DG3060000.

B,HCl: [550-83-4]. *Propoxycaine hydrochloride, USAN.* Mp 148°.

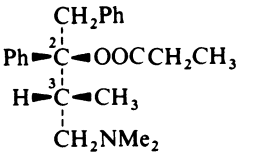
▷DG3066000.

Koehler, H.M. *et al*, *J. Pharm. Sci.*, 1964, **53**, 745 (*glc*)
U.S.P., 3 134 805, (*1964*); *CA*, **61**, 4277c (*synth, pharmacol*)
Cahill, J.F. *et al*, *Can. J. Physiol. Pharmacol.*, 1965, **43**, 343 (*metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7646.

Propoxyphene P-00512

α-[2-(Dimethylamino)-1-methylethyl]-α-phenylbenzeneethanol propanoate ester, 9CI. 4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-butanol, 8CI. 4-Dimethylamino-3-methyl-1,2-diphenyl-2-propionyloxybutane

[77-50-9]



(2*S*,3*R*)-*form* Absolute configuration

$C_{22}H_{29}NO_2$ M 339.477

Also used as compd. with 4-butyl-1,2-diphenyl-3,5-pyrazolidinedione (Proxifezone, INN).

▷EL2975000.

(2*S*,3*R*)-form [469-62-5]

(+)-α-*form*. ***Dextropropoxyphene, INN, BAN***. *Darvon. Several other synonyms*

Analgesic. Cryst. (pet. ether). Mp 75-76°. $[\alpha]_D^{25}$ +67.3° (c, 0.6 in $CHCl_3$).

▷EL2900000.

B,HCl: [1639-60-7]. *Propoxyphene hydrochloride, USAN. Doloxene. D-Propoxyphene. Numerous other synonyms.* Mp 163-164°. $[\alpha]_D^{25}$ +59.8° (c, 0.6 in H_2O). Component of Wygesic.

▷EL3000000.

2-Naphthalenesulphonate salt: [26570-10-5]. *Propoxyphene napsylate, USAN. Darvon-N. Dextropropoxyphene napsilate. Napsalgesic. S9700.* Cryst. + $1H_2O$.

▷QK1750000.

1-Theobromineacetate: [52387-20-9]. *Lenigesial. Z 867.* Analgesic, antipyretic.

(2*R*,3*S*)-form [2338-37-6]

(−)-α-*form*. ***Levopropoxyphene, INN***

Cough suppressant. Cryst. (pet. ether). Mp 75-76°. $[\alpha]_D^{25}$ −68.2° (c, 0.6 in $CHCl_3$).

B,HCl: [1596-70-9]. Cryst. (MeOH/EtOAc). Mp 163-164°. $[\alpha]_D^{25}$ −60.1° (c, 0.7).

▷EL3050000.

2-Naphthalenesulfonate: [55557-30-7]. *Contratuss. Letusin. Levopropoxyphene napsylate, USAN. Lilly 29866. Novrad. Rava. Regretos.* Cryst. + $1H_2O$.

▷QK1590000.

*2,6-Di-*tert*-butyl-1,5-naphthalenedisulfonate:* [31852-19-4]. *Levopropoxiphene dibudinate. Probunafon. Sotorni.*

(2*RS*,3*SR*)-form [2621-61-6]

(±)-α-*form*

B,HCl: [6509-36-0].

Dimeprotane hydrochloride. Cryst. (EtOAc/MeOH). Mp 170-171°.

(2*RS*,3*RS*)-form

(±)-β-*form*

Possesses no analgesic activity.

B,HCl: Cryst. (Me_2CO/Et_2O). Mp 187-188°.

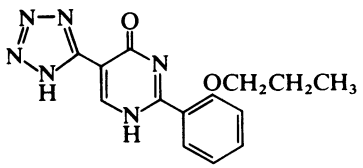
Pohland, A. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 3400 (*synth*)
Pohland, A. *et al*, *J. Org. Chem.*, 1963, **28**, 2381, 2483 (*synth, stereochem*)
Goldenthal, E.I., *Toxicol. Appl. Pharmacol.*, 1971, **18**, 185 (*metab, derivs*)
McEwan, B., *Anal. Profiles Drug Subst.*, 1972, **1**, 301 (*props, rev*)
Bye, E., *Acta Chem. Scand., Ser. B*, 1975, **29**, 556 (*cryst struct, abs config*)
Due, S.L. *et al*, *Biomed. Mass Spectrom.*, 1976, **3**, 217 (*metab*)
Miller, R.R., *Am. J. Hosp. Pharm.*, 1977, **34**, 413 (*pharmacol, derivs*)

Jakovljevic, I.M. *et al*, *Chromatographia*, 1978, **11**, 23 (*sepn*)
Inturrisi, C.E. *et al*, *Clin. Pharmacol. Ther.*, 1982, **31**, 157 (*metab*)
Nickander, R.C. *et al*, *Hum. Toxicol.*, 1984, **3**, 13 (*pharmacol, toxicol, rev*)
Broesen, K. *et al*, *Eur. J. Clin. Pharmacol.*, 1985, **29**, 79 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6217, 6218, 5623.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6655.

2-(2-Propoxyphenyl)-5-(1*H*-tetrazol-5-yl)-4(1*H*)-pyrimidinone, 9CI P-00513

BL 5255

[64634-09-9]



$C_{14}H_{14}N_6O_2$ M 298.304

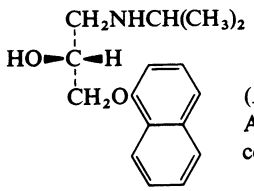
Antiallergic agent. Cryst. (AcOH). Mp 247-248° dec.

Juby, P.F. *et al*, *J. Med. Chem.*, 1982, **25**, 1145 (*synth, pharmacol*)
Siminoff, P. *et al*, *Int. Arch. Allergy Appl. Immunol.*, 1982, **67**, 101 (*pharmacol*)

Propranolol, BAN, INN P-00514

1-[(1-Methylethyl)amino]-3-(1-naphthalenyloxy)-2-propanol, *9CI*. *1-Isopropylamino-3-(1-naphthyloxy)-2-propanol*

[525-66-6]



(*R*)-*form*
Absolute configuration

$C_{16}H_{21}NO_2$ M 259.347

▷UB7500000.

(*R*)-*form* [5051-22-9]

***Dexpropranolol*, BAN, INN**

Mp 73°. $[\alpha]_D^{21}$ +10.6° (c, 1.02 in EtOH).

B,HCl: [13071-11-9]. *Dexpropranolol hydrochloride, USAN. AY 20. ICI 47319.* Mp 192°. $[\alpha]_D^{21}$ +22.2° (c, 0.99 in EtOH).

(*S*)-*form* [4199-09-1]

Mp 73°. $[\alpha]_D^{21}$ −10.2° (c, 1.02 in EtOH).

(±)-*form* [13013-17-7]

β-Adrenergic blocking agent, antiarrhythmic agent. Cryst. (cyclohexane). Mp 96°. Component of Betaryl, Pebarol.

▷UB7510000.

B,HCl: [318-98-9]. *Propranolol hydrochloride, USAN, JAN. Inderal. Proprasylyte hydrochloride. Numerous other synonyms.* Mp 163-164°.

▷UB7525000.

p-*Chlorophenoxyisobutyrate: Propranolol clofibrate. Copropanol.*

Di-tert-*butylnaphthalenedisulfonate:* [37634-50-7]. *Propranolol dibudinate. Blocardyl. Tensiflex "Bago".*

B.P., 994 918, (*1965*) (*synth*)
Howe, R. *et al*, *Nature* (*London*), 1965, **207**, 594; 1966, **210**, 1336 (*synth, resoln*)
Dukes, M. *et al*, *J. Med. Chem.*, 1971, **14**, 326.
Barrans, Y. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 1264 (*cryst struct*)
Paul, R. *et al*, *J. Org. Chem.*, 1975, **40**, 1653 (*abs config*)
Fitzgerald, J.D., *Pharmacol. Antihypertens. Drugs*, 1980, 195 (*rev, pharmacol*)
Routledge, P.A. *et al*, *Appl. Pharmacokinet.*, 1980, 464 (*rev, metab, pharmacol*)
Tsuda, Y. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 3593 (*synth, deriv*)
Imuchijima, S. *et al*, *Agric. Biol. Chem*, 1982, **46**, 1153 (*metab, synth*)
Thompson, J.A. *et al*, *J. Chromatogr.*, 1982, **238**, 470 (*synth, sepn*)
Mishriki, A. *et al*, *Pharmacotherapy* (*Carlisle, Mass.*), 1983, **3**, 334-341 (*rev*)
Katsuki, T., *Tetrahedron Lett.*, 1984, **25**, 2821 (*synth*)
Matsuo, N. *et al*, *Tetrahedron Lett.*, 1985, **26**, 5533 (*synth, S-form*)
Alkondon, M. *et al*, *Can. J. Physiol. Pharmacol.*, 1986, **64**, 1455 (*rev, pharmacol*)
Klunder, J.M. *et al*, *J. Org. Chem.*, 1986, **51**, 3710 (*synth*)
Okamoto, Y. *et al*, *Chem. Lett.*, 1986, **7**, 1237 (*resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6301.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4064.

4-Propyl-4-heptylamine P-00515

4-Propyl-4-heptanamine, *9CI*. *1,1-Dipropylbutylamine. Tripropylmethylamine.* ***Diprobutine*, INN, BAN**

[61822-36-4]

$(H_3CCH_2CH_2)_3CNH_2$

$C_{10}H_{23}N$ M 157.298

Antiparkinsonian agent.

▷MI7630000.

B,HCl: [56065-37-3]. *LCG 21519.* Cryst. Mp 220° subl. *Fumarate:* Mp 216° subl.

Belg. Pat., 834 298, (*1976*); *CA*, **86**, 71886e (*synth, pharmacol*)
Pigerol, C. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 351 (*synth, pharmacol*)

2-Propylpentanoic acid, 9CI P-00516

2-Propylvaleric acid. Dipropylacetic acid. 4-Heptanecarboxylic acid. ***Valproic acid*, BAN, USAN, INN**. *Depakene. Divalproex. Numerous proprietary names*

[99-66-1]

$(H_3CCH_2CH_2)_2CHCOOH$

$C_8H_{16}O_2$ M 144.213

Anticonvulsant drug. Liq. $d^{24.5}$ 1.1. Bp 221°, Bp_{14} 120-121°.

▷YV7875000.

Hemi-Na salt: [76584-70-8]. *Semisodium valproate, BAN. Divalproex sodium, USAN.*

Na salt: [1069-66-5]. *Valproate sodium, USAN. Abbott 44090. Numerous proprietary names.*

▷YV7876000.

Et ester: [17022-31-0].
$C_{10}H_{20}O_2$ M 172.267
Bp 183°.

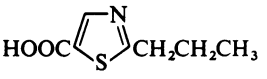
Amide: ***Valpromide, INN**. 2-Propylvaleramide. Depamide. Diprozin. Vistora.*
$C_8H_{17}NO$ M 143.228
Anticonvulsant, central depressant. Mp 122-124°.

Nitrile: 4-Cyanoheptane.
$C_8H_{15}N$ M 125.213
Bp 183-184°.
(2,2-Dimethyl-1-oxopropoxy)methyl ester: [77372-61-3]. ***Valproate pivoxil, INN.*** *Pivadin. Valproxen.*
$C_{14}H_{26}O_4$ M 258.357
Anticonvulsant. Oil. $Bp_{0.5}$ 143-150°.

Mishin, V.P. *et al, Colloid J. USSR (Engl. Transl.)*, 1936, **2**, 305; *CA*, **30**, 6261 (*synth*)
Wiemann, J. *et al, Bull. Soc. Chim. Fr.*, 1958, 199 (*synth*)
Fr. Pat., M2442, (*1962*); *CA*, **61**, 9405 (*synth, pharmacol, amide*)
Fruwert, J., *Z. Phys. Chem. (Leipzig)*, 1968, **237**, 401 (*ir*)
Simiand, J. *et al, Ann. Pharm. Fr.*, 1973, **31**, 205 (*metab, amide*)
Frey, H.H. *et al, Arzneim.-Forsch.*, 1976, **26**, 299 (*pharmacol*)
Pinder, R.M. *et al, Drugs*, 1977, **13**, 81 (*rev*)
Chang, Z.L., *Anal. Profiles Drug Subst.*, 1979, **8**, 529 (*rev*)
Dren, A.L. *et al, Pharmacol. Biochem. Props. Drug Subst.*, 1979, **2**, 58 (*rev*)
Ger. Pat., 3 021 169, (*1980*); *CA*, **94**, 174367 (*synth, pharmacol, pivoxil*)
Can. Pat., 1 144 558, (*1983*); *CA*, **99**, 76861w (*synth, ir, uv, pharmacol, deriv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1023 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2480, 6623, 6624, 16983.

2-Propyl-5-thiazolecarboxylic acid, 9CI, 8CI P-00517

Tizoprolic acid, INN. *RU 15350*

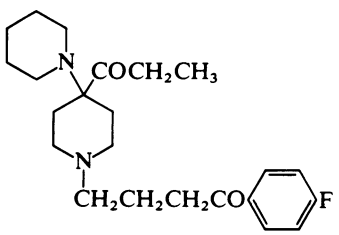


$C_7H_9NO_2S$ M 171.214
Hypolipaemic and antiinflammatory agent, vasodilator.
Cryst. Mp 138°.

U.S.P., 3 882 110, (*1975*); *CA*, **83**, 58803 (*synth, pharmacol*)
Clemence, F. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 567 (*synth, pharmacol*)

Propyperone, INN P-00518

1-(4-Fluorophenyl)-4-[4'-(1-oxopropyl)[1,4'-bipiperidin]-1'-yl]-1-butanone, 9CI. 1-[3-(4-Fluorobenzoyl)propyl]-4-piperidino-4-propionylpiperidine. Floropipetone. R4082
[3781-28-0]

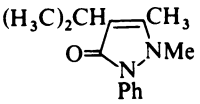


$C_{23}H_{33}FN_2O_2$ M 388.524
Neuroleptic agent.
▷EU4375000.
B,2HCl: [2024-11-5]. Mp 205-212° dec.

Fr. Pat., 1 346 245, (*1963*); *CA*, **61**, 644g (*synth*)
Hermans, B. *et al, J. Med. Chem.*, 1965, **8**, 851 (*synth, pharmacol*)
Janssen, P. *et al, Arzneim.-Forsch.*, 1966, **16**, 339 (*activity*)
Mishkinsky, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94.

Propyphenazone, BAN, INN P-00519

1,2-Dihydro-1,5-dimethyl-4-(1-methylethyl)-2-phenyl-3H-pyrazol-3-one, 9CI. 4-Isopropyl-2,3-dimethyl-1-phenyl-5-pyrazolone. 4-Isopropylantipyrine. Isopropylphenazone. Other synonyms
[479-92-5]

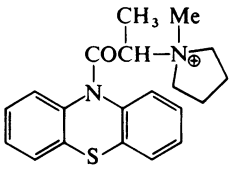


$C_{14}H_{18}N_2O$ M 230.309
Analgesic, antipyretic. Mp 103°.
▷CD2800000.

Sawa, Y., *J. Pharm. Soc. Japan*, 1937, **57**, 953; *CA*, **32**, 2533 (*synth*)
Bauer, G., *Arzneim.-Forsch.*, 1959, **9**, 401 (*pharmacol*)
Lubia, B., *Pharm. Ztg.*, 1974, **119**, 1444 (*uv*)
Okada, J. *et al, Chem. Pharm. Bull.*, 1976, **24**, 61 (*nmr*)
Baehring-Kuhlmey, S.R., *Drugs of Today*, 1978, **14**, 216 (*rev, pharmacol*)
Goromaru, T. *et al, Chem. Pharm. Bull.*, 1984, **32**, 3179 (*metab*)
Marciniec, B., *Pharmazie*, 1985, **40**, 110 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2696.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3195.

Propyromazine(1+) P-00520

1-Methyl-1-[1-methyl-2-oxo-2-(10H-phenothiazin-10-yl)ethyl]pyrrolidinium, 9CI. 1-Methyl-1-(1-phenothiazin-10-ylcarbonylethyl)pyrrolidinium, 8CI

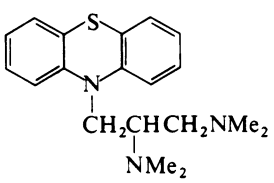


$C_{20}H_{23}N_2OS^{\oplus}$ M 339.475 (ion)
(±)-form
Spasmolytic and anticholinergic agent, antihistamine.
Bromide: [145-54-0]. *Propyromazine bromide, INN. Diaspasmyl. LD 335. SD 104-19.* Mp 228-229°.

Boissier, J.R. *et al, Therapie*, 1958, **13**, 989 (*synth, pharmacol*)
Vignoli, L. *et al, Bull. Trav. Soc. Pharm. Lyon*, 1965, **9**, 277 (*tlc*)
Legheaud, J. *et al, Ann. Pharm. Fr.*, 1973, **31**, 613 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 412.

Proquamezine, BAN P-00521

N,N,N',N'-Tetramethyl-3-(10H-phenothiazin-10-yl)-1,2-propanediamine, 9CI. 10-[2,3-Bis(dimethylamino)propyl]phenothiazine, 8CI. ***Aminopromazine, INN***
[58-37-7]



$C_{19}H_{25}N_3S$ M 327.487
(±)-form
Bronchial spasmolytic drug. Mp 52°.
B,2HCl: [1236-82-4]. Mp 238°.

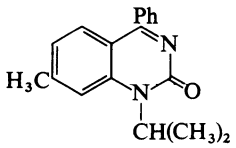
Fumarate: [3688-62-8]. *Tetrameprozine. Other proprietary names.* Light-sensitive cryst. Mp 166-170° dec.

Jacob, R.M. *et al, C. R. Hebd. Seances Acad. Sci.*, 1956, **243**, 1637 (*synth*)
Glasser, A., *Farmaco, Ed. Prat.*, 1959, **14**, 187 (*pharmacol, deriv*)
Robinson, A.E., *J. Pharm. Pharmacol.*, 1966, **18**, 19 (*metab*)
Azzaro, M. *et al, Bull. Soc. Chim. Fr.*, 1967, 1977 (*pmr*)
Gilbert, J.N. *et al, Org. Mass. Spectrom.*, 1969, **2**, 17 (*ms*)
Barbe, J., *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1974, **279**, 935 (*conformn, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5405.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13179.

Proquazone, BAN, USAN, INN P-00522

7-Methyl-1-(1-methylethyl)-4-phenyl-2(1H)-quinazolinone, 9CI. 1-Isopropyl-7-methyl-4-phenyl-2(1H)-quinazolinone, 8CI. 43-715. Biarison. Biarsan

[22760-18-5]



$C_{18}H_{18}N_2O$ M 278.353

Antiinflammatory drug, analgesic. Yellow cryst. (EtOAc). Mp 137-138°.

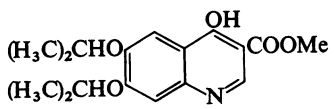
▷VA3530000.

Coombs, R.V. *et al, J. Med. Chem.*, 1973, **16**, 1237 (*synth*)
Takesue, E.I. *et al, Arch. Int. Pharmacodyn. Ther.*, 1976, **221**, 122 (*pharmacol*)
Alhadeff, M., *Drugs of Today*, 1977, **13**, 531 (*rev, pharmacol*)
Ger. Pat., 2 753 970, (*1978*); *CA*, **89**, 109565b (*synth*)
Gubler, H.U. *et al, Scand. J. Rheumatol. (Suppl.)*, 1978, **21**, 8 (*pharmacol*)
Hinderling, P.H. *et al, J. Pharm. Sci.*, 1984, **73**, 332 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13180.

Proquinolate, USAN, INN P-00523

Methyl 4-hydroxy-6,7-bis(1-methylethoxy)-3-quinolinecarboxylate, 9CI. Methyl 4-hydroxy-6,7-diisopropoxy-3-quinolinecarboxylate, 8CI. BU 1063. Mequinolate. U 1063

[1698-95-9]



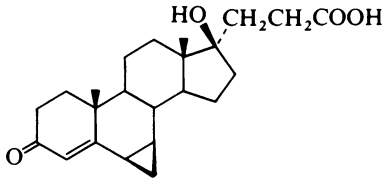
$C_{17}H_{21}NO_5$ M 319.357

Coccidiostat for poultry. Mp 255-257°.

Spencer, C.F. *et al, J. Med. Chem.*, 1966, **9**, 934 (*synth, pharmacol*)

Prorenoate P-00524

6,7-Dihydro-17-hydroxy-3-oxo-3'H-cyclopropa[6,7]-pregna-4,6-diene-21-carboxylic acid, 9CI



$C_{23}H_{32}O_4$ M 372.503

(6α,7α,17α)-form [49848-01-3]

Aldosterone antagonist.

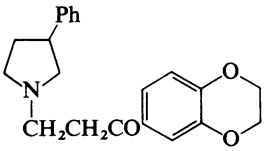
K salt: [49847-97-4]. *Prorenoate potassium, INN, BAN, USAN. SC 23992.*

South African Pat., 72 06 263, (*1973*); *CA*, **81**, 63882g (*synth*)
Hofmann, L.M. *et al, J. Pharmacol. Exp. Ther.*, 1975, **194**, 450 (*pharmacol*)
McInnes, G.T. *et al, Br. J. Clin. Pharmacol.*, 1982, **13**, 187 (*pharmacol*)
Netchitailo, P. *et al, Eur. J. Pharmacol.*, 1982, **77**, 243 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2353.

Proroxan, INN P-00525

1-(2,3-Dihydro-1,4-benzodioxin-6-yl)-3-(3-phenyl-1-pyrrolidinyl)-1-propanone, 9CI. 1-(1,4-Benzodioxan-6-yl)-3-(3-phenyl-1-pyrrolidinyl)-1-propanone, 8CI. AY 24269. Piroxan. Pirroksan. Pyrroxane

[33743-96-3]



$C_{21}H_{23}NO_3$ M 337.418

α-Receptor antiadrenergic drug. Cryst. (Et_2O). Mp 62-64°.

B,HCl: [33025-33-1]. *Proroxan hydrochloride, USAN.* Cryst. (Me_2CO). Mp 139-141°.

▷DF4050000.

Krylov, S.S. *et al, Farmakol. Toksikol.*, 1973, **3**, 396 (*pharmacol*)
Dobrina, V.A. *et al, Khim.-Farm. Zh.*, 1974, **8**, 14 (*synth*)
Ivanova, A.S. *et al, Byull. Eksp. Biol. Med.*, 1976, **82**, 1453; *CA*, **86**, 100732j (*metab*)

Prospasmin P-00526

[(2-Diethylamino)ethoxy]diphenylacetic acid 2-(diethylamino)ethyl ester. O-[2-(Diethylamino)ethyl]-benzilic acid 2-(diethylamino)ethyl ester. R 108

$Et_2NCH_2CH_2OCPh_2COOCH_2CH_2NEt_2$

$C_{26}H_{38}N_2O_3$ M 426.598

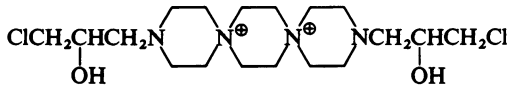
Antispasmodic. $Bp_{0.02}$ 155-156°.

B,2HCl: Cryst. (EtOH/EtOAc). Mp 215-216.5°.

Protiva, M. *et al, Collect. Czech. Chem. Commun.*, 1950, **15**, 541 (*synth*)
Yoshida, S. *et al, Chem. Pharm. Bull.*, 1955, **3**, 417 (*synth, props*)
Buehler, C.A. *et al, J. Org. Chem.*, 1961, **26**, 1573 (*synth, props*)

Prospidium(2+) P-00527

3,12-Bis(3-chloro-2-hydroxypropyl)-3,12-diaza-6,9-diazoniadispiro[5.2.5.2]hexadecane, 9CI



$C_{18}H_{36}Cl_2N_4O_2^{\oplus\oplus}$ M 411.414 (ion)

(±)-form

Antineoplastic agent.

Dichloride: [23476-83-7]. *Prospidium chloride, INN. Prospidin.*

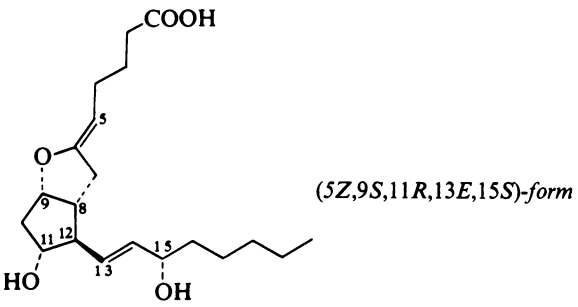
$C_{18}H_{36}Cl_4N_4O_2$ M 482.320

▷HM1160000.

Mikhalev, V.A. *et al, Khim.-Farm. Zh.*, 1972, **6**, 9 (*synth, pharmacol*)
Karapetyan, A.A. *et al, Cryst. Struct. Commun.*, 1981, **10**, 271 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13181.

Prostacyclin P-00528

*6,9-Epoxy-11,15-dihydroxy-5,13-prostadienoic acid. **Epoprostenol, INN**. Prostaglandin I_2. Prostaglandin X. PGI_2. PGX. U 53217*



(5Z,9S,11R,13E,15S)-form

$C_{20}H_{32}O_5$ M 352.470

(5Z,9S,11R,13E,15S)-form [35121-78-9]

PGX. PGI_2

Inhibits blood platelet aggregation and is a vasodilator.

Na salt: [61849-14-7]. *Prostacyclin sodium. Epoprostenol sodium, BAN, USAN. Cyclo-Prostin. Flolan. U 53217A.* Hygroscopic. Mp 166-168° (block), 116-124° (capillary). $[\alpha]_D$ +88° (c, 0.808 in $CHCl_3$).

Me ester: [61799-74-4]. Mp 30-33°. $[\alpha]_D$ +78° (c, 0.882 in $CHCl_3$).

(5E,9S,11R,13E,15S)-form [65844-28-2]

Na salt: Viscous gum.

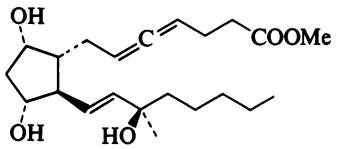
Me ester: Mp 68-70°.

Pace-Asciale, C. *et al, Biochemistry*, 1971, **10**, 3657 (*ir, pmr, ms*)
Johnson, R.A. *et al, Prostaglandins*, 1976, **12**, 915 (*struct*)
Corey, E.J. *et al, J. Am. Chem. Soc.*, 1977, **99**, 2006 (*synth, ir, pmr, ms*)
Corey, E.J. *et al, Tetrahedron Lett.*, 1977, 3529 (*synth, pmr*)
Bartmann, W. *et al, Angew. Chem., Int. Ed. Engl.*, 1982, **21**, 751 (*rev*)
Moncado, S. *et al, Br. J. Pharmacol.*, 1982, **76**, 3 (*rev*)
Salmon, J.A. *et al, Methods Enzymol.*, 1982, **86**, 91, 436 (*revs, anal*)
Suzuki, M. *et al, Tetrahedron Lett.*, 1983, **24**, 1187 (*synth*)
Baxter, A.D. *et al, J. Chem. Soc., Perkin Trans. 1*, 1984, 675 (*synth*)
Beierbeck, H. *et al, Can. J. Chem.*, 1985, **63**, 1143 (*pmr, cmr, conformn*)
Moncado, S. *et al, Adv. Exp. Med. Biol.*, 1985, **192**, 337 (*rev*)
Moncado, S. *et al, J. Pharmacol.*, 1985, **16**, 71 (*rev*)
Willis, L. *et al, Prog. Lipid Res.*, 1986, **25**, 645 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8084, 8085.

Prostalene, BAN, USAN, INN P-00529

Methyl 9,11,15-trihydroxy-15-methylprosta-4,5,13-trien-1-oate, 9CI. Methyl 7-[3,5-dihydroxy-2-(3-hydroxy-3-methyl-1-octenyl)cyclopentyl]-4,5-heptadienoate. Synchrocept. RS 9390

[54120-61-5]



$C_{22}H_{36}O_5$ M 380.523

Luteolytic agent for veterinary use.

Ger. Pat., 2 355 324, (*1974*); *CA*, **81**, 49331 (*synth*)
Hillier, K., *Drugs Future*, 1977, **2**, 755 (*rev, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8095.

Prosulpride, INN P-00530

5-(Aminosulfonyl)-2-methoxy-N-[(1-propyl-2-pyrrolidinyl)methyl]benzamide, 9CI. N-[(*1-Propyl-2-pyrrolidinyl)methyl-5-sulfamoyl-o-anisamide. Cesapral. GRI 1665*

[68556-59-2]



$C_{16}H_{25}N_3O_4S$ M 355.451

Neuroleptic agent. Mp 174°.

B,HCl: Mp 240-245°.

Simon, P. *et al, Sulpiride Other Benzamides*, (*Int. Workshop*), 1978, 47; *CA*, **93**, 88574u (*activity*)
Bres, J. *et al, CA*, 1981, **95**, 214828m; 1982, **96**, 45804p (*pharmacol*)
Fr. Pat., 2 478 093, (*1981*); *CA*, **96**, 68813e (*synth*)
Ger. Pat., 3 300 187, (*1983*), *CA*, **99**, 116077d (*synth activity*)

Protamines P-00531

[9012-00-4]

Group of simple proteins that yield basic amino acids on hydrolysis. Occur combined with nucleic acid mainly in the sperm of fish. Inhibits inflammation and certain immune reactions.

▷UK9440000.

Sulfate: [9009-65-8]. *Protamine sulfate, INN, USAN.* Heparin antidote.

▷UK9450000.

Kossel, A., *The Protamines and Histones*, 1928, Longmans, N.Y. (*isoln*)
Felix, K. *et al, Z. Physiol. Chem.*, 1963, **330**, 205 (*struct*)
Vendrely, R. *et al, Protoplasmatologia*, 1966, **5**, 88 (*rev, struct, synth, metab*)
Bradburg, E.M. *et al, J. Mol. Biol.*, 1967, **29**, 507 (*conformn, ir, pmr*)
Ando, T. *et al, Int. J. Prot. Res.*, 1969, **1**, 221.
Taylor, S. *et al, Nature (London)*, 1982, **297**, 307 (*activity*)
Speckert, W. *et al, Eur. J. Biochem.*, 1983, **136**, 283 (*struct*)
Ammer, H. *et al, Biol. Chem. Hoppe-Seyler*, 1986, **367**, 515 (*isoln, struct*)
McKay, D.J. *et al, Eur. J. Biochem.*, 1986, **156**, 5 (*isoln, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1051.

Protein S P-00532

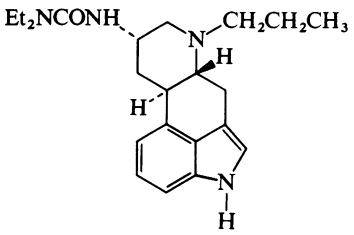
Peptide containing 635 AA residues. Anticoagulant.

Strickland, D.K. *et al*, *Clin. Chim. Acta*, 1987, **170**, 1 (*rev*)
High, K.A., *Arch. Pathol. Lab. Med.*, 1988, **112**, 28 (*rev*)

Proterguride, INN P-00533

N,N-*Diethyl*-N′-(*6-propylergolin-8-yl*)*urea*, *9CI*

[77650-95-4]



$C_{22}H_{32}N_4O$ M 368.521

Dopaminergic agent, prolactin inhibitor. Cryst. (EtOH). Mp 132-134°. $[\alpha]_D^{20}$ +36.8° (c, 0.25 in Py).

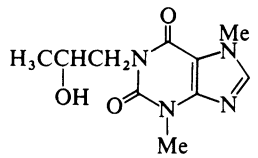
B,$^1/_3H_3PO_4$: [77650-96-5]. *Propyldironyl. VUFB 13416. Tartrate (2:1): ZK 39437.*

Eur. Pat., 21 206, (*1981*); *CA*, **95**, 98119 (*synth, pharmacol*)
Cerny, A. *et al*, *Collect. Czech. Chem. Commun.*, 1984, **49**, 2828 (*synth, uv, ir, pmr*)

Protheobromine, INN P-00534

*3,7-Dihydro-1-(2-hydroxypropyl)-3,7-dimethyl-1*H-*purine-2,6-dione*, *9CI*. *1-(2-Hydroxypropyl)theobromine. Numerous proprietary names*

[50-39-5]



$C_{10}H_{14}N_4O_3$ M 238.246

▷XH2387000.

(±)-*form*

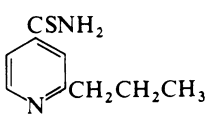
Diuretic. Cryst. (2-propanol). Mp 142-144°.

Rojahn, C.A. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1930, **268**, 570 (*synth*)
Taugner, R. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 457, 601 (*pharmacol*)
B.P., 816 299, (*1959*); *CA*, **54**, 15716 (*synth*)
Fabbrini, L. *et al*, *Farmaco, Ed. Sci.*, 1962, **17**, 660 (*synth, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1649 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13183.

Prothionamide, BAN, USAN P-00535

2-Propyl-4-pyridinecarbothioamide, *9CI*. *2-Propylthioisonicotinamide*, *8CI*. ***Protionamide, INN***. *Trevintix. Other proprietary names*

[14222-60-7]



$C_9H_{12}N_2S$ M 180.267

Antitubercular drug. Yellow cryst. Mp 142°.

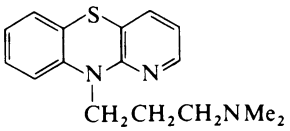
▷NS0650000.

Libermann, D. *et al*, *Bull. Soc. Chim. Fr.*, 1958, 687 (*synth, pharmacol*)
Colleter, J.C. *et al*, *Acta Crystallogr., Sect. B*, 1970, **26**, 1510 (*cryst struct*)
Kalabukha, A.V. *et al*, *Mikrobiol. Zh.*, 1972, **34**, 778 (*pharmacol*)
Il'in, A.M., *Farmakol. Toksikol.*, 1975, **38**, 471 (*pharmacol*)
Upadysdeva, A.V. *et al*, *Zh. Org. Khim.*, 1976, **12**, 687 (*synth*)
Yakhontov, L.N. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 96.
Kim, H.I. *et al*, *CA*, 1977, **86**, 121115.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1256.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7567.

Prothipendyl, BAN, INN P-00536

N,N-*Dimethyl-10*H-*pyrido*[*3,2*-b][*1,4*]*benzothiazine-10-propanamine*, *9CI*. *10-*[*3-(Dimethylamino)propyl*]-*10*H-*pyrido*[*3,2*-b][*1,4*]*benzothiazine*, *8CI*. *Dominal. Timovan. Tolnate. Other proprietary names*

[303-69-5]



$C_{16}H_{19}N_3S$ M 285.406

Tranquilliser, antiemetic, antihistamine. Liq. $Bp_{0.7}$ 217-219°.

▷UU8576000.

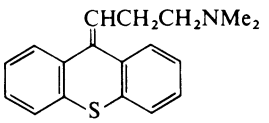
B,HCl: Cryst. + $1H_2O$. Mp 108-112°, Mp 177-178° anhydr.

v. Schlichtegroll, E., *Arzneim.-Forsch.*, 1958, **8**, 489 (*pharmacol*)
Yale, H.L. *et al*, *J. Am. Chem. Soc.*, 1958, **40**, 1651 (*synth*)
de Leenheer, A., *J. Chromatogr.*, 1972, **61**, 1979 (*ir*)
de Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7102.

Prothixene, INN P-00537

N,N-*Dimethyl-3-*(9H-*thioxanthen-9-ylidene*)-*1-propanamine*, *9CI*. N,N-*Dimethylthioxanthene-*$\Delta^{9,\gamma}$-*propylamine*, *8CI*

[2622-24-4]



$C_{18}H_{19}NS$ M 281.415

Antiemetic and neuroleptic agent. $Bp_{0.04}$ 140°.

B,HCl: [4907-84-0]. Mp 186-188°.

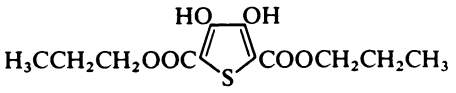
▷XO0683000.

Belg. Pat., 618 672, (*1962*); *CA*, **59**, 3897d (*synth, pharmacol*)
Dell, H.D. *et al*, *Fresenius' Z. Anal. Chem.*, 1970, **249**, 41 (*tlc*)
Kaiser, C. *et al*, *J. Med. Chem.*, 1972, **15**, 665 (*pharmacol*)

Protiofate, INN P-00538

3,4-Dihydroxy-2,5-thiophenedicarboxylic acid dipropyl ester, 9CI. Atrimycon

[58416-00-5]



$C_{12}H_{16}O_6S$ M 288.315

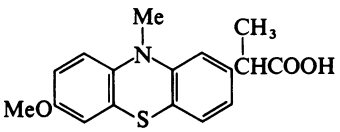
Antifungal agent. Cryst. (EtOH aq.). Mp 96-97°.

Fr. Pat., 2 255 063, (*1975*); *CA*, **84**, 89986f (*synth, activity*)
Riviera, L. *et al*, *Chemioterapia*, 1984, **3**, 116 (*pharmacol*)

Protizinic acid, INN, JAN P-00539

7-Methoxy-α,10-dimethyl-10H-phenothiazine-2-acetic acid, 9CI. Pirocrid. PRT. 17190 RP

[13799-03-6]



$C_{17}H_{17}NO_3S$ M 315.386

(±)-form [54323-85-2]

Antiinflammatory agent; analgesic. Mp 124-125°.

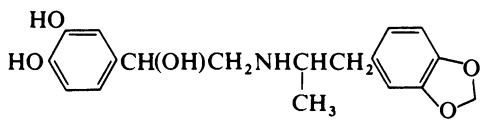
▷SN5090000.

B.P., 1 048 680, (*1966*); *CA*, **66**, 55498m (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2697.

Protokylol, BAN, INN P-00540

4-[2-[2-(1,3-Benzodioxol-5-yl)-1-methylethyl]amino]-1-hydroxyethyl-1,2-benzenediol, 9CI. 1-(3,4-Dihydroxyphenyl)-2-(α-methyl-3,4-methylenedioxyphenethylamino)ethanol

[136-70-9]



$C_{18}H_{21}NO_5$ M 331.368

Sympathomimetic, adrenergic agent, bronchodilator.

B,HCl: [136-69-6]. *Ventaire. Other proprietary names.* Mp 126-127°.

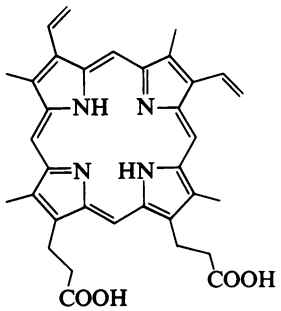
▷UL1225000.

Biel, J.H. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 3149 (*synth*)
Leslie, A. *et al*, *Am. J. Med. Sci.*, 1957, **234**, 321 (*pharmacol*)
Jacobi, H. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 51 (*pharmacol*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1977, **32**, 1977, **32**, 330 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4832.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2097.

Protoporphyrin P-00541

Protoporphyrin IX. Ooporphyrin. Lebersdan

[553-12-8]



$C_{34}H_{34}N_4O_4$ M 562.667

Obt. by demetallation of Haemin, occurs in small amounts in faeces. Brown pigment (Ooporphyrin) of birds' eggs. Branch point in the biosynthetic pathway leading to Haem (by insertion of iron) and chlorophylls (by insertion of Mg and further side-chain transformation). Used to treat liver disorders, mainly as Na salt. Reddish-purple cryst. Mp >300°.

Na salt: [50865-01-5]. *Numerous proprietary names.*
$C_{37}H_{34}N_4O_5$ M 614.699

▷TS5450000.

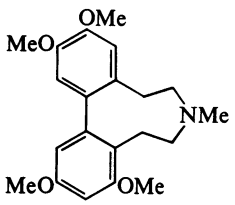
Di-Me ester: Violet cryst. ($CHCl_3$/MeOH). Mp 233°. The total synth. of all fifteen protoporphyrin dimethyl ester isomers has recently been completed.

Fischer, H. *et al*, *Die Chemie des Pyrrols*, 1937, Akademische Verlag, Leipzig, Vol. II (*i*), 396 (*struct, synth*)
Sano, S. *et al*, *Biochem. J.*, 1965, **97**, 250 (*pmr*)
Carr, R.P. *et al*, *J. Chem. Soc.* (*C*), 1971, 487 (*synth*)
Dinello, R.K. *et al*, *The Porphyins*, (*Dolphin, D., Ed.*), 1979, Academic Press, N.Y., Vol. I, 290
Smith, K.M., *Acc. Chem. Res.*, 1979, **12**, 374 (*rev*)
Clezy, P.S. *et al*, *Aust. J. Chem.*, 1980, **33**, 557 (*synth*)

Protostephanine P-00542

6,7,8,9-Tetrahydro-2,3,10,12-tetramethoxy-7-methyl-5H-dibenz[d,f]azonine, 9CI

[549-28-0]



$C_{21}H_{27}NO_4$ M 357.449

Alkaloid from *Stephania japonica* (Menispermaceae). Antihypertensive agent. Cryst. (MeOH). Mp 73-74° (MeOH solvate), Mp 90-95° (solvent-free).

B,HCl: Mp 150° dec.
B,H_2SO_4: Mp 130-132°.
Picrate: Mp 207-209°.
B,MeI: Mp 220-221°.

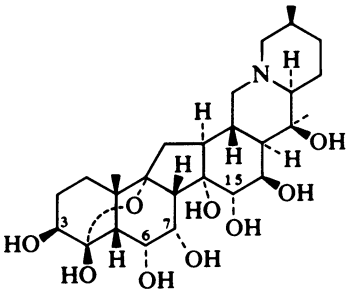
Barton, D.H.R. *et al*, *J. Chem. Soc.* (*C*), 1966, 2313 (*isol, pmr*)
Pecherer, B. *et al*, *J. Org. Chem.*, 1967, **32**, 1053 (*synth*)
Battersby, A.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1968, 1214; 1974, 773; *Tetrahedron Lett.*, 1977, 1321 (*synth, biosynth*)
Pecherer, B. *et al*, *J. Med. Chem.*, 1969, **12**, 149 (*synth*)

Matsui, M. *et al*, *Phytochemistry*, 1979, **18**, 1087 (*isol*)
Battersby, A.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2002 (*synth, uv, pmr, ms*)

Protoverine P-00543

(3β,4α,6α,7α,15α,16β)-3,4,6,7,14,15,16,20-Cevaneoctol, 9CI. 6α-Hydroxygermine

[76-45-9]



Absolute configuration

$C_{27}H_{43}NO_9$ M 525.638

Hydrol. prod. of Protoveratrines and other ester alkaloids. Veratrum extracts have been used medicinally to reduce blood pressure. Mp 210-216° dec. $[\alpha]_D^{25}$ −12° (c, 0.96 in Py).

▷FL5700000.

Acetonide: Mp 253-256°.

O^6,O^7-*Di-Ac*, O^{15}-(*R*)-*2-methylbutanoyl*, O^3-(+)-*2-hydroxy-2-methylbutanoyl:* [143-57-7]. ***Protoveratrine* A**. *Protoveratrine. Pro-Amid. Protalba. Puroverin.*

$C_{41}H_{63}NO_{14}$ M 793.947

Alkaloid from *Veratrum album, V. viride* and *V. nigrum* (Liliaceae). Strong antihypertensive agent showing high toxicity in use due to powerful emetic action. Mp 270-271°. $[\alpha]_D$ −40° (Py). Also used as mixt. with Protoveratrine *B* (Ebrantan, Provell, Tensatrin, Veralba, PVS 295).

▷FL5750100.

O^6,O^7-*Di-Ac*, O^{15}-(R)-*2-methylbutanoyl*, O^3-(+)-threo-*2,3-dihydroxy-2-methylbutanoyl:* [124-97-0]. ***Protoveratrine* B**. *Neoprotoveratrine. Veratetrine.*

$C_{41}H_{63}NO_{15}$ M 809.946

Alkaloid from *V. album* and *V. viride* (Liliaceae). Strong antihypertensive agent showing high toxicity in use due to powerful emetic action. Mp 269-270°. $[\alpha]_D$ −39° (Py).

▷FL5750000.

O^6-*Ac*, O^{15}-(R)-*2-methylbutanoyl*, O^3-(+)-*2-hydroxy-2-methylbutanoyl:* [67375-42-2]. ***Desacetylprotoveratrine* A**.

$C_{39}H_{61}NO_{13}$ M 751.910

Alkaloid from *V. album* (Liliaceae). Mp 191-192°. $[\alpha]_D$ −15° (Py).

O^6-*Ac*, O^{15}-(R)-*2-methylbutanoyl*, O^3-(+)-threo-*2,3-dihydroxy-2-methylbutanoyl:* [67370-03-0]. ***Desacetylprotoveratrine* B**. *Desacetylneoprotoveratrine.*

$C_{39}H_{61}NO_{14}$ M 767.909

Alkaloid from *V. album* and *V. viride* (Liliaceae). Weak antihypertensive agent. Mp 182-183°. $[\alpha]_D$ −9° (Py).

O^6,O^7-*Di-Ac*, O^{15}-(R)-*2-methylbutanoyl*, O^3-*angeloyl:* [663-93-4]. ***Escholerine***. Alkaloid from *V. eschscholtzii* (Liliaceae). Antihypertensive agent. Mp 235°. $[\alpha]_D$ −30° (Py).

3-[(2S,3R)-2,3-Dihydroxy-2-methylbutanoyl], O^6,O^7-*Di-Ac*, O^{15}-(R)-*2-methylbutanoyl:* [82535-71-5]. ***Protoveratrine* C**.

$C_{41}H_{63}NO_{15}$ M 809.946

Alkaloid from *V. album* (Liliaceae). Cryst. solid. Mp 258-260° dec. $[\alpha]_D^{26}$ −6.6° ($CHCl_3$).

O^6,O^7-*Di-Ac*, O^{15}-(*2-Methylbutanoyl*): [6746-01-6]. *Desatrine.* Obt. semisynthetically by oxidn. of Protoveratrine *B*. Patent claims use as insecticide, but doubtless an antihypertensive agent. Needles (Me_2CO/pet. ether). Mp 232-233°.

O^3-(*2-Hydroxy-2-methylbutanoyl*), O^{15}-(*2-methylbutanoyl*): ***Didesacetylprotoveratrine* A**.

$C_{37}H_{59}NO_2$ M 549.879

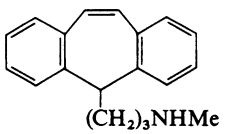
Alkaloid from *V. nigrum* roots (Liliaceae). Cryst. (C_6H_6). Mp 202-204°. $[\alpha]_D^{22}$ −18.7° (c, 0.95 in Py). Shown not to be an artifact.

Jacobs, W.A. *et al*, *J. Biol. Chem.*, 1943, **149**, 271 (*isol*)
U.S.P., 3 009 917, (*1959*); *CA*, **56**, 4810b (*Desatrine*)
Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2242, 2252 (*struct*)
Tomko, J. *et al*, *Planta Med.*, 1962, **10**, 138 (*isol*)
Bondarenko, N.V., *Khim. Prir. Soedin.*, 1972, 810; *Chem. Nat. Compd.*, 800 (*Didesacetylprotoveratrine A*)
Saksena, A.K. *et al*, *Tetrahedron Lett.*, 1982, **23**, 811 (*Protoveratrine C*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 916, 917.

Protriptyline, BAN, INN P-00544

N-*Methyl-5H-dibenzo*[a,d]*cycloheptene-5-propanamine, 9CI. 7-(3-Methylaminopropyl)-1,2:5,6-dibenzocycloheptatriene. 5-(3-Methylaminopropyl)-5H-dibenzo*[a,d]*cycloheptene. Amimethyline*

[438-60-8]



$C_{19}H_{21}N$ M 263.382

Antidepressant.

▷HP1050000.

B,HCl: [1225-55-4]. *Protriptyline hydrochloride, USAN. Anelun. Concordin. Maximed. Triptil. Vivactil.* Cryst. (2-propanol/Et_2O). Sol. H_2O. Mp 169-171°.

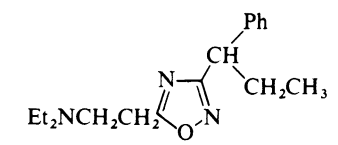
▷HP1400000.

Engelhardt, E.L. *et al*, *J. Med. Chem.*, 1968, **11**, 325 (*synth, pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Abraham, R.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1977, 1964 (*pmr*)
Wilson, J.M. *et al*, *Clin. Chem.*, 1977, **23**, 1012 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2534.

Proxazole, INN, USAN P-00545

N,N-*Diethyl-3-(1-phenylpropyl)-1,2,4-oxadiazole-5-ethanamine, 9CI. 5-[2-(Diethylamino)ethyl]-3-(α-ethylbenzyl)-1,2,4-oxadiazole. Aerbron. Gastress. Mendozal. Nipodar. Propaxoline. Proxal. Recidol. Solacil. PZ 17105*

[5696-09-3]



$C_{17}H_{25}N_3O$ M 287.404

(±)-*form*

Smooth muscle relaxant, analgesic, antiinflammatory and antitussive agent. $Bp_{0.2}$ 132°.

Nitrate: Mp 127-128°.

Citrate: [132-35-4]. *Proxazole citrate, USAN, JAN. Flou. Pirecin. AF-634.*

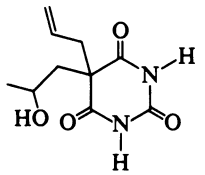
▷RO0689000.

B.P., 924 608, (*1963*); *CA*, **59**, 6415h (*synth, pharmacol*)
Silvestrini, B. *et al, Arzneim.-Forsch.*, 1963, **13**, 798 (*pharmacol*)
Esposito, G., *Boll. Chim. Farm.*, 1967, **106**, 736 (*rev*)
Silvestrini, B., *Minerva Med.*, 1967, **58**, 796 (*rev*)
Burberi, S. *et al, Jpn. J. Pharmacol.*, 1971, **21**, 283 (*pharmacol*)
De Feo, G. *et al, Farmaco, Ed. Sci.*, 1971, **26**, 370 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5243.

Proxibarbal, INN P-00546

5-(2-Hydroxypropyl)-5-(2-propenyl)-2,4,6-(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-(2-hydroxypropyl)barbituric acid, 8CI. Axeen. Centralgil. Centralgol. Hydroxydial. Ipronal. Vasalgin. D/H. HH184

[2537-29-3]



$C_{10}H_{14}N_2O_4$ M 226.232

Tautomerises to Valofane, V-00004 *in vivo*. Sedative. Mp 158-162°.

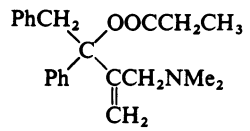
▷CP8575000.

Swiss Pat., 385 212, (*1965*); *CA*, **63**, 2986a (*synth, pharmacol, tox*)
Goenechea, S., *Z. Anal. Chem.*, 1966, **218**, 416 (*ir*)
Wittekind, H. *et al, Helv. Chim. Acta*, 1988, **71**, 1220, 1228 (*tautom*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4064.

Proxibutene, INN P-00547

3-[(Dimethylamino)methyl]-1,2-diphenyl-3-buten-2-ol propionate, 8CI. Ba 40088. Ciba 40088

[14089-84-0]



$C_{22}H_{27}NO_2$ M 337.461

(+)-***form*** [47419-52-3]

Dexproxibutene, INN. *S 44328*

Analgesic.

(±)-***form***

Cryst. Mp 56-58°.

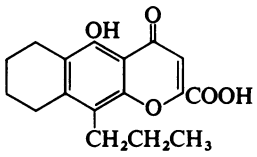
B,HCl: Mp 188°.

Netherlands Pat., 6 602 535, (*1966*); *CA*, **66**, 55209t (*synth, pharmacol*)

Proxicromil, BAN, INN, USAN P-00548

6,7,8,9-Tetrahydro-5-hydroxy-4-oxo-10-propyl-4H-naphtho[2,3-b]pyran-2-carboxylic acid, 9CI. 6,7,8,9-Tetrahydro-5-hydroxy-4-oxo-10-propyl-4H-benzo[g]-chromene-2-carboxylic acid. FPL 57787

[60400-92-2]



$C_{16}H_{18}O_3$ M 258.316

Drug for treatment of allergic asthma (no longer in widespread use). Cryst. (Me_2CO). Mp 265-268°.

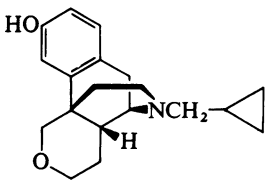
Na salt: [60400-93-3].

Et ester: Cryst. (EtOH). Mp 136-138°.

Ger. Pat., 2 553 688, (*1976*); *CA*, **85**, 123767t (*synth, pharmacol*)
Augstein, J. *et al, Agents Actions*, 1977, **7**, 443 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13184.

Proxorphan, INN P-00549

13-(Cyclopropylmethyl)-4,4a,5,6-tetrahydro-3H,5,10b-(iminoethano)-1H-naphtho[1,2-c]pyran-9-ol, 9CI. 17-(Cyclopropylmethyl)-6-oxamorphinan-3-ol, 10CI



$C_{19}H_{25}NO_2$ M 299.412

Narcotic analgesic, antitussive.

(−)-***form*** [69815-38-9]

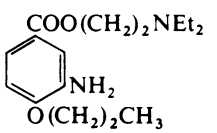
Tartrate (2:1): [69815-39-0]. *Proxorphan tartrate, USAN. BL 5572M.* Cryst. (MeOH aq.). Mp 243-249° dec. $[\alpha]_D^{22}$ −61.1° (c, 1.13 in H_2O).

Belg. Pat., 870 305, (*1979*); *CA*, **91**, 39714q (*synth, pharmacol*)
Tyers, M.B., *Life Sci.*, 1982, **31**, 1233 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13185.

Proxymetacaine, BAN, INN P-00550

2-Diethylaminoethyl 3-amino-4-propoxybenzoate. 3-Amino-4-propoxybenzoic acid 2-(diethylamino)ethyl ester. Proparacaine. Other proprietary names

[499-67-2]



$C_{16}H_{26}N_2O_3$ M 294.393

Local anaesthetic (esp. ophthalmic). Used mainly as hydrochloride.

B,HCl: [5875-06-9]. *Opthaine. Alcaine. Proparacaine hydrochloride, USAN.* Prisms (EtOH/EtOAc). Insol. Et_2O. Mp 182-183.3°.

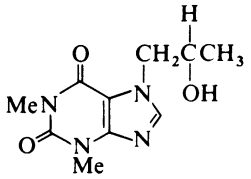
McIntyre, A.R. *et al, J. Pharmacol. Exp. Ther.*, 1938, **63**, 369 (*pharmacol*)

Clinton, R.O. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 592 (*synth*)
Whigan, D.B., *Anal. Profiles Drug Subst.*, 1977, **6**, 423 (*rev, synth, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4191.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7647.

Proxyphylline, BAN, INN P-00551

*3,7-Dihydro-7-(2-hydroxypropyl)-1,3-dimethyl-1*H*-purine-2,6-dione*, *9CI. 7-(2-Hydroxypropyl)theophylline, 8CI. Brontyl. Thean. Spasmolysin*

[603-00-9]



$C_{10}H_{14}N_4O_3$ M 238.246

▷XH5907500.

(R)-form [86540-96-7]

Cryst. (EtOH). Mp 151-151.5°. $[\alpha]_D^{20}$ −63.8° (c, 0.42 in $CHCl_3$).

(±)-form [86480-51-5]

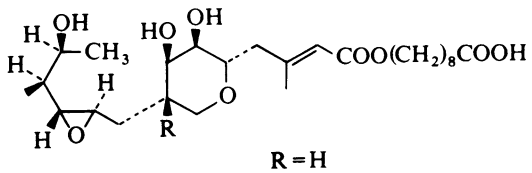
Bronchodilator, vasodilator, smooth muscle relaxant. Cryst. (EtOH). Sol. H_2O, EtOH. Mp 135-136°.

Roth, F.E. *et al*, *J. Pharmacol. Exp. Ther.*, 1957, **121**, 487 (*pharmacol*)
Fabbrini, L. *et al*, *Farmaco, Ed. Sci.*, 1962, **17**, 660 (*synth*)
Goenechea, S., *Mikrochim. Acta*, 1972, 266 (*ir*)
Kamei, K. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 1228 (*ms*)
Selvig, K., *Eur. J. Clin. Pharmacol.*, 1981, **19**, 149.
Selvig, K., *Drug Metab. Dispos.*, 1982, **10**, 291 (*metab*)
Selvig, K. *et al*, *J. Med. Chem.*, 1983, **26**, 1514 (*resoln, abs config*)
Ruud-Christensen, M. *et al*, *Acta Chem. Scand., Ser. B*, 1984, **38**, 331 (*synth, abs config*)
Grace, D. *et al*, *Acta Chem. Scand., Ser. B*, 1985, **39**, 607 (*cd*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1648.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 640.

Pseudomonic acid *A* P-00552

*9-[[3-Methyl-1-oxo-4-[tetrahydro-3,4-dihydroxy-5-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-2*H*-pyran-2-yl]-2-butenyl]oxy]nonanoic acid*, *9CI. BRL 4910A. Antibiotic BRL 4910A.* ***Mupirocin, BAN, INN, USAN.*** *Bactroban. Eismycin*

[12650-69-0]



R = H

$C_{26}H_{44}O_9$ M 500.628

Prod. by *Pseudomonas fluorescens*. Broad spectrum antibiotic effective against gram-positive organisms.

▷RA6907000.

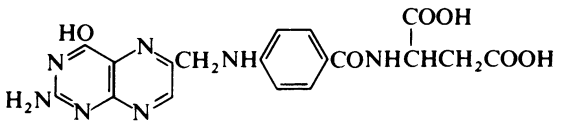
Me ester: [40980-52-7]. Needles (C_6H_6/pet. ether). Mp 77-78°. $[\alpha]_D^{24}$ −9° (c, 1.5 in $CHCl_3$).

Fuller, A.T. *et al*, *Nature (London)*, 1971, **234**, 416 (*isol*)
Chain, E.B. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 294 (*isol, struct, uv, ir, ms, pmr, cmr*)
Feline, T.C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1977, 309 (*biosynth, cmr*)
Alexander, R.G. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 561 (*pmr, cmr, cryst struct, abs config*)
Raphael, R.A. *et al*, *Tetrahedron Lett.*, 1982, 2407 (*synth, bibl*)
Schmiesing, R.J., *Diss. Abstr. Int. B*, 1982, **42**, 3272 (*synth*)
Schoenenberger, B. *et al*, *Helv. Chim. Acta*, 1982, **65**, 2333 (*synth, bibl*)
Fleet, G.W.J. *et al*, *Tetrahedron Lett.*, 1983, **24**, 3661 (*synth*)
Snider, B.B. *et al*, *J. Org. Chem.*, 1983, **48**, 3003 (*synth*)
Sorgi, K.L., *Diss. Abstr. Int. B*, 1984, **44**, 2432 (*synth*)
Mellows, G., *Curr. Clin. Pract. Ser.*, 1985, **16**, 3 (*rev, chem, metab*)
Sutherland, R. *et al*, *Antimicrob. Agents Chemother.*, 1985, **27**, 495 (*props*)
Ward, A. *et al*, *Drugs*, 1986, **32**, 425 (*rev, pharmacol*)
Parenti, M.A. *et al*, *Clin. Pharm.*, 1987, **7**, 761 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16906.

Pteroylaspartic acid P-00553

N-[4-[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]aspartic acid, *9CI. An-fol* R. *An-fol* A

[14798-76-6]



$C_{18}H_{17}N_7O_6$ M 427.376

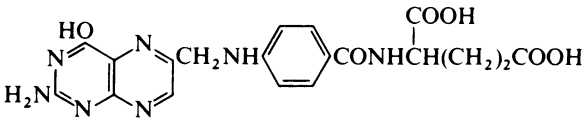
Folic acid antagonist, antileukaemic agent. Yellow prisms ($NaHSO_3$ aq.). Mp 280° dec.

Sato, H. *et al*, *CA*, 1953, **47**, 5946 (*synth, activity*)

Pteroylglutamic acid P-00554

N-[4-[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]amino]benzoyl]glutamic acid, *9CI.* ***Folic acid, INN.*** *Vitamin* B_c. *Vitamin* M. *Coenzyme* F. *Citrovorum factor. Leucovorin. CoF. Citrovorin. Leucal. Numerous other synonyms*

[59-30-3]



$C_{19}H_{19}N_7O_6$ M 441.402

▷LP5425000.

L-form

Present in liver and kidney tissue, fungi, green plants, etc. Essential cofactor. Used in the treatment of megaloblastic anaemias to stimulate erythrocyte, lymphocyte and platelet production. Pale lemon-yellow to light-orange needles (H_2O at pH 3). Almost insol. H_2O, sl. sol. MeOH, mod. sol. AcOH, insol. Et_2O. $[\alpha]_D^{20}$ +16° (c, 0.76 in 0.1*M* NaOH). pK_a 8.2. Chars above 250°. Often occurs naturally as oligopeptide with one or more L-glutamic acid residues condensed to the one already present. Also used as Ca salt (Leucovorin calcium, USAN).

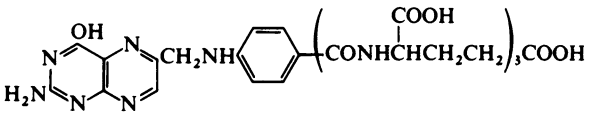
Weisblat, D.I. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 3625 (*synth*)
Jaenicke, L. *et al*, *Fortschr. Chem. Org. Naturst.*, 1963, **21**, 183 (*rev*)

Pastore, E.J. *et al*, *Ann. N.Y. Acad. Sci.*, 1971, **186**, 43 (*pmr*)
Bieri, J. *et al*, *Helv. Chim. Acta*, 1973, **56**, 2905 (*synth*)
Frick, W. *et al*, *Helv. Chim. Acta*, 1974, **57**, 2658 (*cmr*)
Murphy, M. *et al*, *Biochem. Biophys. Acta*, 1979, **583**, 535 (*metab*)
Nixon, P.F., *Clin. Exp. Pharmacol. Physiol. Suppl.*, 1979, **5**, 35 (*rev, pharmacol*)
Pont, L.O. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 315 (*rev*)
Mastropaolo, D. *et al*, *Science*, 1980, **210**, 334 (*cryst struct*)
Poe, M., *Methods Enzymol.*, 1980, **66**, 483 (*pmr*)
Blakeley, R.L. *et al*, (*Eds.*), *Folates & Pterins, Vol. 1: Chemistry & Biochemistry of Folates*, J. Wiley & Sons, NY, 1984 (*chem, biochem*)
Brody, T. *et al*, *Food Sci. Technol.*, 1984, **13**, 459 (*biol studies*)
Cooper, B.A., *Clin. Biochem.*, 1984, **17**, 95 (*metab*)
Cossins, E.A. *et al*, *Folates Pterins*, 1984, **1**, 1, 61, 121 (*biosynth, props*)
Straw, J.E. *et al*, *Cancer Res.*, 1984, **44**, 3114 (*metab*)
Shane, B. *et al*, *Methods Enzymol.*, 1986, **122**, 269, 323 (*detn, synth*)
Moran, R.G. *et al*, *Methods Enzymol.*, 1986, **122**, 309 (*synth*)
Young, D.W., *Nat. Prod. Rep.*, 1986, **3**, 395 (*biosynth*)
Rees, L. *et al*, *J. Chem. Soc., Chem. Commun.*, 1987, 470 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7860, 7861, 7863.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5190.

Pteroyltriglutamic acid P-00555

Pteroylglutamylglutamylglutamic acid. Dripterin. Pteropterin. Terapterin. Lactobacillus casei *factor*

[89-38-3]



$C_{29}H_{33}N_9O_{12}$ M 699.633

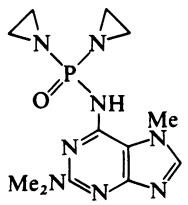
Produced by *Corynebacterium* spp. Antineoplastic agent. Amorph.

Godwin, H.A. *et al*, *J. Biol. Chem.*, 1972, **247**, 2266 (*synth*)
Drey, C.N.C. *et al*, *J. Chem. Soc., Chem. Commun.*, 1977, 144 (*synth*)
D'Ari, L. *et al*, *Methods Enzymol.*, 1985, **113**, 169 (*synth*)

Pumitepa, INN P-00556

P,P-*Bis*(*1-aziridinyl*)-N-[*2-(dimethylamino)-7-methyl-7H-purin-6-yl*]*phosphinic amide*, *9CI. Fopurine. Phopurin*

[42061-52-9]



$C_{12}H_{19}N_8OP$ M 322.309

Antineoplastic and immunosuppressive agent. Cryst. Dec. >250°.

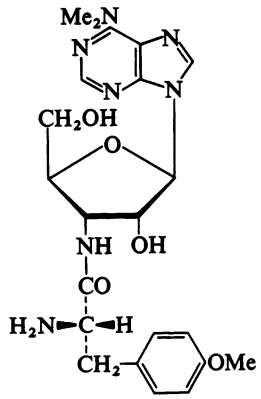
▷SZ5827000.

Fr. Pat., 2 226 167, (*1974*); *CA*, **82**, 156582e (*synth, pharmacol*)
Glushkov, R.G. *et al*, *Khim.-Farm. Zh.*, 1981, **15**, 16 (*synth, pharmacol*)
Vasil'chenko, V.N. *et al*, *Zh. Strukt. Khim.*, 1982, **23**, 107 (*cryst struct*)

Puromycin, BAN, USAN, INN P-00557

*3′-[[2-Amino-3-(4-methoxyphenyl)-1-oxopropyl]-amino]-3′-deoxy-*N,N-*dimethyladenosine*, *9CI. 3′-(α-Amino-*p-*methoxyhydrocinnamido)-3′-deoxy-*N,N-*dimethyladenosine*, *8CI. Stillomycin. Stylomycin. CL 13900. 3123*L. *P 638. Antibiotic CL 13900. Antibiotic 3123L. Antibiotic P 638*

[53-79-2]



$C_{22}H_{29}N_7O_5$ M 471.515

Nucleoside-type antibiotic. Isol. from *Streptomyces alboniger*. Antineoplastic and antitrypanosomal agent. Plates (2-propanol). Mp 175.5-177.0°. $[\alpha]_D^{25}$ −11° (c, 1 in EtOH). Also known as Achromycin before 1953.

▷AU7350000.

B,2HCl: [58-58-2]. *Puromycin hydrochloride*, *USAN. CL 16536. NSC 3055. Antibiotic CL 16536.*

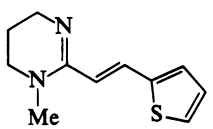
▷AU7352000.

N,N-*Di-Me:* Small plates (2-propanol). Mp 163-164.5°.

Porter, J.N. *et al*, *Antibiot. Chemother.* (*Washington, D.C.*), 1952, **2**, 409 (*isol*)
Waller, C.W. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2025 (*ir, uv, struct*)
Johnson, L.F. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 3700 (*nmr, struct*)
Eggers, S.H. *et al*, *Tetrahedron Lett.*, 1966, 3271 (*ms, struct*)
Hawtrey, A.O. *et al*, *Tetrahedron Lett.*, 1967, 1693 (*uv*)
Nathans, D., *Antibiotics* (*N.Y.*), 1967, **1**, 259 (*rev*)
de Leeuw, H.P.M. *et al*, *Eur. J. Biochem.*, 1977, **76**, 209 (*pmr, conformn*)
Narula, S.S. *et al*, *Indian J. Biochem. Biophys.*, 1985, **22**, 1; 1986, **23**, 187 (*cmr, pmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 143.

Pyrantel, BAN, INN P-00558

1,4,5,6-Tetrahydro-1-methyl-2-[2-(2-thienyl)ethenyl]-pyrimidine, *9CI. Numerous proprietary names*



(*E*)-*form*

$C_{11}H_{14}N_2S$ M 206.305

(*E*)-*form* [15686-83-6]

Anthelmintic. Cryst. (MeOH). Mp 178-179°.

▷UW0248000.

Hydrogen tartrate: [33401-94-4]. *Pyrantel tartrate*, *USAN. Banminth.* Cryst. (EtOH). Mp 147-148°.

▷UW0249000.

4,4′-Methylenebis[*3-hydroxy-2-naphthoate*]: [22204-24-6]. *Antiminth. Combantrin. Pyrantel pamoate*, *USAN.* Yellow cryst.

▷QL2287000.

(Z)-form

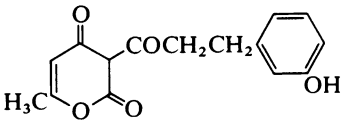
B,HCl: Cryst. (2-propanol). Mp 195-196°.
Hydrogen tartrate: Mp 160-161°.

Austin, W.C. *et al*, *Nature (London)*, 1966, **212**, 1273 (*synth*)
McFarland, J.W. *et al*, *J. Med. Chem.*, 1969, **12**, 1066 (*pharmacol*)
McFarland, J.W., *Fortschr. Arzneimittelforsch.*, 1972, **16**, 157 (*rev, pharmacol*)
Coles, G.C., *Pestic. Sci.*, 1977, **8**, 536 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2005.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 805.

Pyratrione P-00559

3-[3-(3-Hydroxyphenyl)-1-oxopropyl]-6-methyl-2H-pyran-2,4(3H)-dione, 9CI

[51089-21-5]



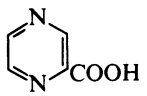
$C_{15}H_{14}O_5$ M 274.273
Enolisable β-triketone. Antihypertensive agent (tyrosine hydroxylase inhibitor). Cryst. (EtOH/hexane). Mp 112-113°.

Ger. Pat., 2 326 578, (*1973*); *CA*, **80**, 59864 (*synth, pharmacol*)
Kimura, T. *et al*, *Clin. Sci. Mol. Med.*, 1975, **48**, Suppl. 2, 175 (*pharmacol*)
Kato, T. *et al*, *Clin. Exp. Pharmacol. Physiol. Suppl.*, 1976, **3**, 109 (*pharmacol*)

Pyrazinecarboxylic acid, 9CI P-00560

Pyrazinoic acid

[98-97-5]



$C_5H_4N_2O_2$ M 124.099
Needles (H_2O). Mp 225-229° dec. Sublimes.

Me ester: [6164-79-0].
$C_6H_6N_2O_2$ M 138.126
Cryst. (Et_2O), needles (pet. ether). Mp 59°, 61-62°.

Amide: [98-96-4]. *Pyrazinecarboxamide, 9CI.* ***Pyrazinamide, BAN, INN.*** *Aldinamide. Eprazin. Tebrazid. Other proprietary names.*
$C_5H_5N_3O$ M 123.114
Tuberculostatic. Cryst. (H_2O or EtOH). Mp 189-191° (subl. from 159°). pK_a −0.5.
▷Exp. neoplastic agent. UQ2275000.

Nitrile: [19847-12-2]. *Pyrazinecarbonitrile, 9CI. Cyanopyrazine.*
$C_5H_3N_3$ M 105.099
Oil or cryst. Mp 20°. Bp_6 87°.

1-Oxide: [32046-09-6].
$C_5H_4N_2O_3$ M 140.098
Prisms (H_2O). Mp 138-139°.

Me ester, 1-oxide: [85661-24-1].
$C_6H_6N_2O_3$ M 154.125
Needles (MeOH). Mp 81-82°.

Me ester, 4-oxide: [770-00-3].
$C_6H_6N_2O_3$ M 154.125
Cryst. (MeOH). Mp 169-171°.

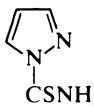
Nitrile, 1-oxide: [32046-03-0].
$C_5H_3N_3O$ M 121.098
Prisms (MeOH). Mp 157-159°.

Kushner, S. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 3617 (*amide*)
Gainer, H., *J. Org. Chem.*, 1959, **24**, 691 (*synth*)
Robba, M., *Ann. Chim. (Paris)*, 1960, **5**, 351 (*nitrile*)
Marx, G.S. *et al*, *J. Org. Chem.*, 1972, **37**, 111 (*pmr*)
Weiner, I.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **180**, 411 (*pharmacol, amide*)
Bus, J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1973, **92**, 123 (*ir*)
Takusagawa, F. *et al*, *Bull. Chem. Soc. Jpn.*, 1974, **47**, 1409 (*cryst struct*)
Tsujimoto, T. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1169 (*cmr*)
Tiwari, R.K. *et al*, *Indian J. Phys., Part A*, 1982, **56**, 413 (*cryst struct, amide*)
Felder, E. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 433 (*rev, synth, pharmacol, anal*)
Sato, N., *J. Heterocycl. Chem.*, 1983, **20**, 169 (*synth, ir, pmr, oxides*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 272 (*Amide*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7568.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2323 (*Amide*)

1*H*-Pyrazole-1-carbothioamide, 9CI P-00561

Thiocarzolamide. NSC 45409

[1794-34-9]



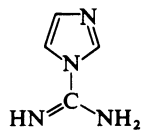
$C_4H_5N_3S$ M 127.164
Antineoplastic agent. Cryst. ($CHCl_3$). Mp 140-141°.

Foley, H.T. *et al*, *Cancer Chemother. Rep.*, 1965, **47**, 83 (*toxicol*)
U.S.P., 3 169 091, (*1965*); *CA*, **62**, 10303e (*synth, pharmacol*)
Twomey, D. *et al*, *J. Org. Chem.*, 1966, **31**, 2494 (*synth*)
Buttkus, H. *et al*, *J. Org. Chem.*, 1971, **36**, 3895 (*synth*)

1*H*-Pyrazole-1-carboximidamide, 9CI P-00562

Praxadine, INN. *Pyrazole-1-carboxamidine. 1-Guanylpyrazole*

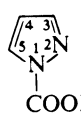
[4023-00-1]



$C_4H_6N_4$ M 110.118
Analgesic, antiinflammatory agent. Mp 97-101°.
B,HCl: [4023-02-3]. Cryst. (H_2O). Mp 170-171°.
Picrate: Mp 208°.

Bredereck, H. *et al*, *Chem. Ber.*, 1965, **98**, 3178 (*synth*)
U.S.P., 3 925 552, (*1975*); *CA*, **84**, 180208q (*synth, pharmacol*)

1*H*-Pyrazole-1-carboxylic acid P-00563



$C_4H_4N_2O_2$ M 112.088
Cryst. (Et_2O). Mp 102-103° dec.

Me ester:
$C_5H_6N_2O_2$ M 126.115
Cryst. Mp 35°. Bp_{11} 92°.

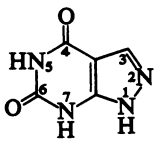
Et ester: [10199-59-4].
$C_6H_8N_2O_2$ M 140.141

Oil. Bp_{42} 120-123°.
Amide: [931-08-8]. *1H-Pyrazole-1-carboxamide, 9CI.* ***Carzolamide***. *NSC 36539.*
$C_4H_5N_3O$ M 111.103
Antineoplastic agent. Cryst. (EtOH). Mp 136.5°.

Knorr, L., *Ber.*, 1895, **28**, 716.
Mingoia, O., *Gazz. Chim. Ital.*, 1931, **61**, 449.
Hückel, W. *et al*, *Ber.*, 1937, **70**, 2024.
Dornow, A. *et al*, *Chem. Ber.*, 1949, **82**, 257 (*amide*)
U.S.P., 3 169 091, (*1965*); *CA*, **62**, 10303e (*amide*)
Elguero, J. *et al*, *Bull. Soc. Chim. Fr.*, 1974, 1137 (*pmr, amide*)

1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, 9CI P-00564

Oxypurinol, BAN, USAN. *Oxipurinol, INN. Alloxanthine. Oxoallopurinol. BW 55-5. NSC 76239*
[2465-59-0]



1H-form

$C_5H_4N_4O_2$ M 152.112
Purine numbering may also be used. 1*H*-Form predominates. Metab. of allopurinol. Specific inhibitor of the reduced form of xanthine oxidase. Cryst. (H_2O). Mp >300°.

1H-form

1,5-Di-Me: [7254-33-3].
$C_7H_8N_4O_2$ M 180.166
Granules. Mp 297-298°.
5,7-Di-Me: [4680-51-7].
$C_7H_8N_4O_2$ M 180.166
Cryst. (EtOH). Mp 280-281°.
1,5,7-Tri-Me: [4318-52-9].
$C_8H_{10}N_4O_2$ M 194.193
Cryst. (EtOH). Mp 202-204°.

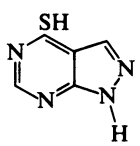
2H-form

2,5,7-Tri-Me: [10505-26-7].
$C_8H_{10}N_4O_2$ M 194.193
Cryst. Mp 267-269°.

Falco, E.A. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 3143 (*synth*)
Robins, R.K., *J. Am. Chem. Soc.*, 1956, **78**, 784 (*synth*)
Schmidt, P. *et al*, *Helv. Chim. Acta*, 1956, **39**, 986 (*synth*)
Rundles, R.W., *Ann. Rheum. Dis. Suppl.*, 1966, **6**, 615 (*rev, pharmacol*)
Simmonds, H.A., *Clin. Chim. Acta*, 1969, **23**, 353 (*metab*)
Massey, V. *et al*, *J. Biol. Chem*, 1970, **245**, 2837 (*props*)
Delbarre, F. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1971, **272**, 639 (*props*)
Seela, F. *et al*, *Justus Liebigs Ann. Chem.*, 1986, 1213 (*cmr, bibl, derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1007.

1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, 8CI P-00565

1,5-Dihydro-4H-pyrazolo[3,4-d]pyrimidine-4-thione, 9CI. 4-Mercapto-1H-pyrazolo[3,4-d]pyrimidine. ***Tisopurine, INN***. *Thiopurinol*
[5334-23-6]

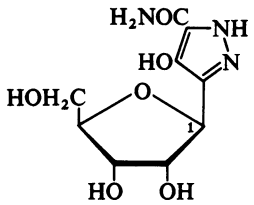


$C_5H_4N_4S$ M 152.173
Drug used for treatment of gout; xanthine oxidase inhibitor. Mp 352°.

Fr. Pat., M4777, (*1967*); *CA*, **70**, 106507f (*synth, pharmacol*)
Delbarre, F. *et al*, *Presse Med.*, 1968, **76**, 2329 (*synth*)
Brown, D.J. *et al*, *Aust. J. Chem.*, 1972, **25**, 2641 (*ir*)
Gadret, M. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1973, **276**, 1007 (*cryst struct*)
Thomas, R., *J. Am. Chem. Soc.*, 1973, **95**, 4761 (*nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1010.

Pyrazomycin P-00566

4-Hydroxy-3-ribofuranosyl-1H-pyrazole-5-carboxamide, 9CI. A 23813. Antibiotic A 23813



β-form

$C_9H_{13}N_3O_6$ M 259.218
Nucleoside antibiotic.
▷UQ6360000.

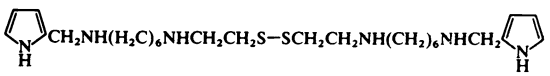
α-D-form [41855-21-4]
Pyrazofurin B. *Pyrazomycin* B
Isol. from *Streptomyces candidus*. Dihydrate. Mp 69-70°.

β-D-form [30868-30-5]
Pyrazofurin, USAN. *Pirazofurin, INN. Antibiotic A 23812. NSC 143095. A 23812*
From *S. candidus*. Shows antibiotic and antineoplastic props. Cryst. (H_2O). Mp 112-115°. $[\alpha]_D^{25}$ −49.6° (c, 0.80 in H_2O).
▷UQ6360000.

Ger. Pat., 2 019 838, (*1971*); *CA*, **74**, 41133s (*isol*)
Farkas, J. *et al*, *Tetrahedron Lett.*, 1972, 2279 (*synth*)
Crain, P.F. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 843 (*ms*)
Sweeney, M.J. *et al*, *Cancer Res.*, 1973, **33**, 2619.
Wenkert, E. *et al*, *Biochem. Biophys. Res. Commun.*, 1973, **51**, 318 (*cmr*)
de Bernardo, S. *et al*, *J. Org. Chem.*, 1976, **41**, 287 (*synth*)
U.S.P., 3 998 999, (*1976*); *CA*, **86**, 155899z (*synth*)
Neumann, J.M. *et al*, *Biochim. Biophys. Acta*, 1977, **479**, 427 (*conformn, nmr*)
Miles, D.W. *et al*, *J. Phys. Chem.*, 1983, **87**, 2444 (*conformn*)
Karagiri, N. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 553 (*synth*)
Lopez Herrera, F.J. *et al*, *Carbohydr. Res.*, 1985, **139**, 95 (*analogues*)
Petrie, C.R. *et al*, *J. Med. Chem.*, 1986, **29**, 268 (*derivs*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1300.

Pyrextramine P-00567

N′,N″(*Dithiodi-2,1-ethanediyl*)*bis*[N′-(*1H-pyrrol-2-ylmethyl*)-*1,6-hexanediamine, 9CI*
[92588-09-5]



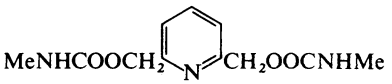
$C_{26}H_{48}N_6S_2$ M 508.825
α_1-Adrenergic antagonist. No phys. props. reported.
Oxalate (1:4): [97783-32-9]. Indefinite Mp.

Brasili, L. *et al*, *Eur. J. Pharmacol.*, 1984, **103**, 181 (*pharmacol*)
Angeli, P. *et al*, *J. Med. Chem.*, 1985, **28**, 1643 (*synth, pharmacol*)

Pyricarbate, INN P-00568

2,6-Pyridinedimethanol bis(methylcarbamate), 9CI. 2,6-Pyridinediyldimethylene bis(methylcarbamate), 8CI. Pyridinol carbamate. Anginin. Atover. Angioxine. Colesterinex. Duvaline. Sospitan. Vasocil. H 3749. Numerous tradenames

[1882-26-4]



$C_{11}H_{15}N_3O_4$ M 253.257

Antiinflammatory agent; bradykinin antagonist. Needles (MeOH or Me_2CO). Mp 134°.

▷FC7530000.

Fr. Pat., 1 396 624, (*1965*); *CA*, **63**, 5610a (*synth, uv*)
Mallein, R. *et al*, *Therapie*, 1973, **28**, 115 (*metab*)
Rave, O. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 479 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13191.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2065.

3-Pyridinecarboxaldehyde, 9CI P-00569

Nicotinaldehyde, 8CI. 3-Formylpyridine

[500-22-1]

C_6H_5NO M 107.112

Sol. H_2O. Bp_{26} 97-99°, Bp_{11} 83-87°.

Oxime: [1193-92-6].
$C_6H_6N_2O$ M 122.126
Mp 150°.

▷UT4060000.

Semicarbazone: [13370-80-4]. Mp 216° dec.

Thiosemicarbazone: [555-90-8]. *2-(3-Pyridinylmethylene)hydrazinecarbothioamide, 9CI.* ***Nicothiazone, INN****. Nicothizonum. G 469. GT 1.*
$C_7H_8N_4S$ M 180.227
Has antitubercular props. Yellow cryst. Mp 227-230° (222-223°).

▷QS3325000.

Phenylhydrazone: [57023-37-7]. Cryst. (EtOH). Mp 158°.

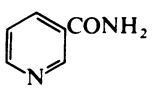
N-*Oxide:*
$C_6H_5NO_2$ M 123.111
Needles ($CHCl_3/Et_2O$). Mp 139-141°.

Harries, C.D. *et al*, *Justus Liebigs Ann. Chem.*, 1915, **410**, 115.
Panizzon, L., *Helv. Chim. Acta*, 1941, **24**, 24E.
Niemann, C. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1680.
Gardner, T.S. *et al*, *J. Org. Chem.*, 1951, **16**, 1121 (*Nicothiazone*)
Wilson, H.R. *et al*, *J. Med. Chem.*, 1974, **17**, 760 (*Nicothiazone*)
Mignot, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1980, **15**, 33 (*Nicothiazone*)
Nagano, H. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 4068 (*oxide*)

3-Pyridinecarboxamide, 9CI P-00570

Nicotinamide, INN*. Nicotinic acid amide. Vitamin B_3. Niacinamide. Numerous proprietary names*

[98-92-0]



$C_6H_6N_2O$ M 122.126

Enzyme cofactor, used in treatment of pellagra. Needles (C_6H_6). Mp 129-130°. $Bp_{0.0005}$ 150-160°.

▷QS3675000.

N'-*Benzyl:* [2503-55-1].
$C_{13}H_{12}N_2O$ M 212.251
Mp 72-73°.

N-*Oxide:* [1986-81-8].
$C_6H_6N_2O_2$ M 138.126
Cryst. (H_2O). Mp 291-293° (275-276°).

N-*Hydroxy:* [5657-61-4]. N-*Hydroxy-3-pyridinecarboxamide, 9CI. Nicotinohydroxamic acid.* ***Nicoxamat, INN****. Heparit.*
$C_6H_6N_2O_2$ M 138.126
Antifungal agent, used in treatment of liver disorders. Prisms (EtOH). Mp 168°. pK_a 8.3.

N,N-*Di-Et: see N,N-Diethyl-3-pyridinecarboxamide, D-00254*

La Forge, F.B., *J. Am. Chem. Soc.*, 1928, **50**, 2480.
Georg, A. *et al*, *Helv. Chim. Acta*, 1943, **26**, 358 (*synth*)
Rohrlich, M., *Arch. Pharm. (Weinheim, Ger.)*, 1950, **283**, 122 (*synth*)
Hackley, B.B. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 3651 (*synth, deriv*)
Hase, J. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 363 (*pharmacol, deriv*)
Org. Synth., Coll. Vol., **4**, 704 (*oxide*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 410.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7865.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1989.

3-Pyridinecarboxylic acid P-00571

Nicotinic acid, INN*. Niacin, USAN. Nicamin. Nicobid. Wampocap. Numerous proprietary names*

[59-67-6]

$C_6H_5NO_2$ M 123.111

Present in fruits and other plant materials. Vitamin, enzyme cofactor, vasodilator. Needles (H_2O or EtOH). Sol. hot H_2O, spar. sol. Et_2O. Mp 236°. pK_a 4.85 (25°). Sublimes.

▷QT0525000.

B,HCl: [636-79-3]. Prisms or plates (H_2O). Mp 274°.

B,HBr: [51527-85-6]. Mp 275° subl.

Me ester: [93-60-7].
$C_7H_7NO_2$ M 137.138
Rubefacient; vasodilator. Mp 38°. Bp 204°, Bp_{25} 118.5°.

▷QT1925000.

Me ester, N-*oxide:*
$C_7H_7NO_3$ M 153.137
Cryst. (MeOH). Mp 101-102°. Bp_3 145-147°.

Et ester: [614-18-6].
$C_8H_9NO_2$ M 151.165
Rubefacient; vasodilator. Liq. Bp 223-224°.

Et ester; B,HCl: Mp 126-127°.

Ph ester: [3468-53-9].
$C_{12}H_9NO_2$ M 199.209
Cryst. (EtOH). Mp 71°.

Chloride: [10400-19-8].
C_6H_4ClNO M 141.557
Mp 15-16°. Bp_{12} 85°.

Chloride; B,HCl: Mp 155.5-156.5°. Sublimes.

Amide: see 3-Pyridinecarboxamide, P-00570

Nitrile: Nicotinonitrile. 3-Cyanopyridine.
$C_6H_4N_2$ M 104.111
Cryst. (pet. ether). Mp 50°. Bp 240-245°.

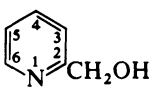
Anilide:
$C_{12}H_{10}N_2O$ M 198.224
Cryst. + $2H_2O$ (H_2O). Mp 85°.

Et betaine:
$C_8H_9NO_2$ M 151.165
Mp 84-86°.
Hydrazide: [553-53-7].
$C_6H_7N_3O$ M 137.141
Bactericide. Needles (EtOH or C_6H_6). Mp 161-162°.
▷QT1750000.
Hydrazide; B,2HCl: Cryst. (EtOH/Et_2O/HCl). Mp 227°.
Azide:
$C_6H_4N_4O$ M 148.124
Mp 47-48°.
1-Oxide: [2398-81-4]. ***Oxiniacic acid, INN.***
$C_6H_5NO_3$ M 139.110
Anticholesteraemic agent. Yellow cryst., needles. Mp 254° (249-253°) dec.

Taylor, E.C. *et al, J. Org. Chem.*, 1954, **19**, 1633 (*oxide*)
Green, R.W. *et al, J. Am. Chem. Soc.*, 1956, **78**, 4896 (*deriv, uv, tautom*)
Oliveto, E.P., *Chem. Heterocycl. Compd.*, 1962, **14** (*Part 3*), 179 (*bibl*)
Belg. Pat., 618 968, (*1962*); *CA*, **58**, 12375e (*Oxide*)
Bild, N. *et al, Helv. Chim. Acta*, 1967, **50**, 1885 (*ms*)
Paraskewas, S., *Synthesis*, 1974, 819 (*synth*)
Pollak, P.I. *et al, Chem. Heterocycl. Compd.*, 1974, **14** (*Suppl. 3*) (*bibl*)
Org. Synth., Coll. Vol., **1**, 385 (*synth*)
Org. Synth., Coll. Vol., **4**, 706 (*nitrile*)
Dommisse, R. *et al, Heterocycles*, 1981, **16**, 1893 (*cmr*)
Staedeli, W. *et al, Org. Magn. Reson.*, 1981, **15**, 106 (*N-15 nmr*)
Hotz, W., *Adv. Lipid Res.*, 1983, **20**, 195 (*rev, pharmacol*)
Kutoglu, A. *et al, Acta Crystallogr., Sect. C*, 1983, **39**, 232 (*cryst struct*)
Offermanns, H. *et al, Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1983, **24**, 59 (*rev*)
Weiner, M. *et al, Clin. Pharmacol. Vol. 1: Nicotinic Acid Nutrient-Cofactor-Drug*, Dekker, N.Y., 1983 (*book*)
Sauberlich, H.E. *et al, Coenzymes Cofactors*, 1987, **2**, 599, 627 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7864, 9231, 9253.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 394 (*synonyms*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1999, 2000.

2-Pyridinemethanol P-00572

2-Hydroxymethylpyridine. ***Piconol, INN***
[586-98-1]



C_6H_7NO M 109.127
Vasodilator. Viscous oil with pyridine odour. Bp_{16} 112-113°.
▷UT4689000.
B,HCl: Mp 110°.
O-*Ac:* [1007-49-4].
$C_8H_9NO_2$ M 151.165
Bp_{22} 115-118°.
▷UT4700000.
O-*Benzoyl:*
$C_{13}H_{11}NO_2$ M 213.235
$Bp_{1.2}$ 124-125°.
Picrate: Yellow cryst. (EtOH). Mp 161-162° (159°).
B,MeI: Mp 153.5-154.5°.
O-*Ac; B,MeI: 2-Acetoxymethyl-1-methylpyridinium iodide.* Plates (EtOH/Et_2O). Mp 154-155°.

Harries, C.D. *et al, Justus Liebigs Ann. Chem.*, 1915, **410**, 107.
Boekelheide, V. *et al, J. Am. Chem. Soc.*, 1954, **76**, 1286.
Trcka, V. *et al, Pharmazie*, 1956, **11**, 242 (*pharmacol*)
Vozza, J.F., *J. Org. Chem.*, 1962, **27**, 3856.
Augustinsson, K.B. *et al, Acta Chem. Scand.*, 1964, **18**, 1006.
Porai-Koshits, B.A. *et al, Zh. Prikl. Khim.* (*Leningrad*), 1964, **37**, 1081
Golding, S. *et al, Can. J. Chem.*, 1965, **43**, 1250.
Brown, J.N. *et al, J. Org. Chem.*, 1972, **37**, 3712 (*pmr*)
Barnes, J.H. *et al, Tetrahedron*, 1982, **38**, 3277 (*synth*)

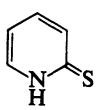
3-Pyridinemethanol P-00573

3-Hydroxymethylpyridine. Nicotinyl alcohol
[100-55-0]
C_6H_7NO M 109.127
Vasodilator. Bp_{15} 142-143°, $Bp_{0.1}$ 110°.
▷UT4690000.
Tartrate (salt): [6164-87-0]. *Ronicol. Roniacol.* Mp 147-148°.
Picrate: Yellow needles (H_2O). Mp 162-163°.
O-*Benzoyl:*
$C_{13}H_{11}NO_2$ M 213.235
Bp_{17} 196-198°.
O-*Benzoyl; B,HCl:* Mp 116°.
B,MeCl: Mp 49°.
B,MeI: Mp 159°.
N-*Oxide:* [6968-72-5]. ***Mepiroxol, INN.*** *Lysateril.*
$C_6H_7NO_2$ M 125.127
Antihyperlipidaemic agent. Hygroscopic cryst. Mp 242-243°.
Ac,N-*Oxide:*
$C_9H_9NO_3$ M 179.175
Hygroscopic cryst. (MeOH/Et_2O). Mp 71.9°.

Dehnel, E., *Ber.*, 1900, **33**, 3498.
Panizzon, L., *Helv. Chim. Acta*, 1941, **24**, 24E.
Mosher, H.S. *et al, J. Am. Chem. Soc.*, 1951, **73**, 4926.
Cohen, A. *et al, J. Chem. Soc.*, 1952, 4374.
Rosenmund, L.W. *et al, Chem. Ber.*, 1952, **85**, 156.
Bohlmann, F., *Chem. Ber.*, 1953, **86**, 1423.
Furukawa, S., *Yakugaku Zasshi*, 1958, **78**, 957 (*synth, oxide*)
Abramovitch, R.A. *et al, J. Chem. Soc.* (*B*), 1966, 1137 (*pmr*)
Bild, N. *et al, Helv. Chim. Acta*, 1967, **50**, 1885 (*ms*)
Fr. Pat., M6092, (*1968*); *CA*, **71**, 128769r (*pharmacol, tox, oxide*)
Nagano, H. *et al, Chem. Pharm. Bull.*, 1987, **35**, 4068 (*oxides*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 948.

2(1*H*)-Pyridinethione, 9CI P-00574

2-Thiopyridone
[2637-34-5]



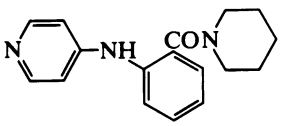
C_5H_5NS M 111.161
Yellowish prisms (C_6H_6). Mp 130-132° (128°).
▷UT8575000.
N-*Me:* [2044-27-1].
C_6H_7NS M 125.188
Cryst. (MeOH aq.). Mp 85-87°.
▷UT9830000.
1-Hydroxy: [1121-30-8].
C_5H_5NOS M 127.161
Cryst. (EtOH aq.). Mp 63-64°.
▷UT9625000.

1-Acetoxy:
$C_7H_7NO_2S$ M 169.198
Yellow-green semisolid.
N-*Oxide: 2-Pyridinethiol* N-*oxide.*
C_5H_5NOS M 127.161
Cryst. Mp 70-72°.
N-*Oxide, Zn salt (2:1):* [13463-41-7]. *Bis(1-hydroxy-2(1H)-pyridinethionato-O,S)zinc,* 9CI. ***Pyrithione zinc, INN, USAN.***
$C_{10}H_8N_2O_2S_2Zn$ M 317.685
Antibacterial, antifungal, antiseborrheic agent.
▷ZH0950000.

Jones, R.A. *et al, J. Chem. Soc.*, 1958, 3610 (*synth, struct*)
Albert, A. *et al, J. Chem. Soc.*, 1959, 2384 (*synth*)
Jones, R.A. *et al, J. Chem. Soc.*, 1960, 2937 (*deriv, synth, tautom*)
U.S.P., 3 590 035, (*1971*); *CA*, **75**, 63616z (*synth, Zn salt*)
Cook, M.J. *et al, J. Chem. Soc., Perkin Trans. 2*, 1972, 1295 (*struct*)
Beak, P. *et al, J. Am. Chem. Soc.*, 1976, **98**, 171; *J. Org. Chem.*, 1980, **45**, 1347, 1354 (*struct*)
Pauls, H. *et al, Chem. Ber.*, 1976, **109**, 3653 (*deriv*)
Stefaniak, L., *Org. Magn. Reson.*, 1978, **11**, 385; 1979, **12**, 379 (*nmr*)
Ohms, U. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 831 (*cryst struct*)
Barton, D.H.R. *et al, J. Chem. Soc., Perkin Trans. 1*, 1986, 39 (*deriv, synth, pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1633.

1-[2-(4-Pyridinylamino)benzoyl]piperidine, 9CI P-00575

Ofornine, INN, USAN. *Win 48049*
[87784-12-1]

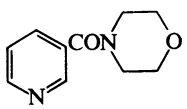


$C_{17}H_{19}N_3O$ M 281.357
Antihypertensive agent. Cryst. (EtOAc). Mp 153-156°.

Eur. Pat., 98 951, (*1984*); *CA*, **102**, 203737 (*synth, pharmacol*)

4-(3-Pyridinylcarbonyl)morpholine, 9CI P-00576

4-Nicotinoylmorpholine. 4-Morpholinyl 3-pyridyl ketone. ***Nicopholine, INN.*** *Cyclamide*
[492-85-3]

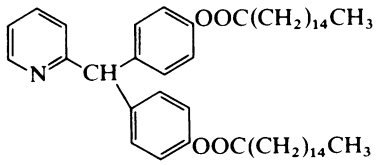


$C_{10}H_{12}N_2O_2$ M 192.217
Antihypertensive agent. Cryst. (EtOAc). Mp ~70° (60-63°). Bp_{15} 210°, Bp_6 192°.
B,MeI: Needles. Mp 211-212°.
Picrate: Yellow needles. Mp 174-175°.

Bargeton, D. *et al, Arch. Int. Pharmacodyn.*, 1955, **103**, 146 (*props*)
Sam, J. *et al, J. Am. Chem. Soc.*, 1959, **81**, 710 (*synth, pharmacol*)
Shirra, A. *et al, J. Chem. Soc., Perkin Trans. 2*, 1977, 759 (*synth*)

p,p'-(2-Pyridinylmethylene)bis(phenyl palmitate) P-00577

Hexadecanoic acid (2-pyridinylmethylene)di-4,1-phenylene ester, 9CI. *ITA 226*
[67834-92-8]

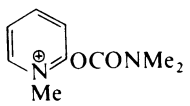


$C_{50}H_{75}NO_4$ M 754.147
Laxative.

Giraldez, A. *et al, Arch. Farmacol. Toxicol.*, 1978, **4**, 178 (*pharmacol*)
Spanish Pat., 460 370, (*1978*); *CA*, **90**, 23072 (*synth, pharmacol*)

Pyridostigmine(1+) P-00578

3-[[(Dimethylamino)carbonyl]oxy]-1-methylpyridinium, 9CI. *3-Hydroxy-1-methylpyridinium dimethylcarbamate,* 8CI
[155-97-5]



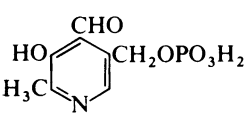
$C_9H_{13}N_2O_2^{\oplus}$ M 181.214 (ion)
Cholinergic agent. Pretreatment for military nerve agent poisoning. Used in treatment of myasthenia gravis.
▷UU5283000.

Bromide: [101-26-8]. *Pyridostigmine bromide, BAN, USAN, INN, JAN. Kalymin. Mestinon. Regonol. Ro 1-5130.*
$C_9H_{13}BrN_2O_2$ M 261.118
Hygroscopic cryst. (EtOH). Sol. H_2O. Mp 152-154°.
▷UU5270000.

Swiss Pat., 246 834, (*1947*); *CA*, **43**, 5050 (*synth*)
Millner, E.O. *et al, J. Med. Chem.*, 1974, **17**, 13 (*synth, pharmacol*)
Breyer-Pfaff, U. *et al, Clin. Pharmacol. Ther.*, 1985, **37**, 495 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4528.

Pyridoxal phosphate P-00579

3-Hydroxy-2-methyl-5-[(phosphonooxy)methyl]-4-pyridinecarboxaldehyde, 9CI. *Pyridoxal 5-monophosphate. Codecarboxylase*
[54-47-7]



$C_8H_{10}NO_6P$ M 247.144
Coenzyme in racemisation, decarboxylation and transamination reactions of α-amino-acids. White powder. Bright yellow in alk. soln.
▷UV1207000.

Ca salt: Bright yellow powder. λ_{max} 228, 307.5, 390 nm (H_2O at pH 11).
Oxime:
$C_8H_{11}N_2O_6P$ M 262.158
Cryst. (H_2O contg. HCl). Mp 229-230° dec.

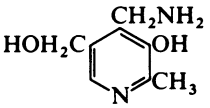
Acridine salt: Lemon-yellow cryst.

Gunsalus, I.C. *et al*, *J. Biol. Chem.*, 1945, **161**, 743.
Metzler, D.E. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 648.
Boyer, P.D. *et al*, *Enzymes*, 1960, Academic Press, N.Y., Vol. 2, Chap. 6 (*rev*)
Osbond, J.M., *Vitamin. Horm. (N.Y.)*, 1964, **22**, 367 (*synth, rev*)

Pyridoxamine P-00580

4-Aminomethyl-5-hydroxy-6-methyl-3-pyridinemethanol, 9CI. 4-Aminomethyl-3-hydroxy-5-hydroxymethyl-2-methylpyridine. 3-Hydroxy-5-hydroxymethyl-2-methyl-4-pyridinemethylamine

[85-87-0]



$C_8H_{12}N_2O_2$ M 168.195

Exhibits vitamin B_6 activity. Cryst. Sol. EtOH, acids. Mp 198-200° (193-193.5°).

B,2HCl: [524-36-7]. Cryst. (MeOH). Mp 226-227° dec.

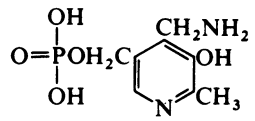
▷UV1230000.

Harris, S.A. *et al*, *J. Am. Chem. Soc.*, 1944, **66**, 2088 (*synth*)
Kamer, P. *et al*, *Helv. Chim. Acta*, 1948, **31**, 1004 (*synth*)
Balyakina, M.V. *et al*, *Zh. Obsch. Khim.*, 1961, **31**, 2983 (*synth*)

Pyridoxamine 5'-phosphate P-00581

4-Aminomethyl-5-hydroxy-6-methyl-3-(dihydrogen phosphate)-3-pyridinemethanol, 9CI. Fospiridoxamine

[529-96-4]



$C_8H_{13}N_2O_5P$ M 248.175

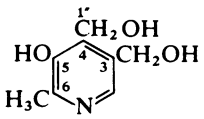
Enzyme co-factor vitamin. Rhombic plates + $2H_2O$ (EtOH aq.), loses $2H_2O$ over P_2O_5. Oxidn. → Pyridoxal phosphate, P-00579 .

Peterson, E.A. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 570 (*synth*)
Peterson, E.A. *et al*, *Biochem. Prep.*, 1953, **3**, 29 (*synth*)
Korytnyk, W. *et al*, *J. Am. Chem. Soc.*, 1963, **85**, 2813 (*nmr*)

Pyridoxine, INN P-00582

5-Hydroxy-6-methyl-3,4-pyridinedimethanol, 9CI. Vitamin B_6, 8CI. 3-Hydroxy-4,5-bis(hydroxymethyl)-2-methylpyridine. Adermin. Pyridoxol. Numerous proprietary names

[65-23-6]



$C_8H_{11}NO_3$ M 169.180

Found in rice husks, cane molasses, yeast, wheat germ and cod liver oils. Vitamin, food additive. Needles (Me_2CO). Mp 160°. Readily sublimes.

▷UV1300000.

B,HCl: [58-56-0]. *Pyridoxine hydrochloride, USAN. Gravidox.* Rhombic cryst. (EtOH/Me_2CO). Mp 206-208°. Component of Bendectin and Debendox.

▷UV1350000.

Picrate: Mp 156°.

Tri-Ac: [10030-93-0].
$C_{14}H_{17}NO_6$ M 295.291
Viscous oil. $Bp_{0.2}$ 145-150°.

Tribenzoyl:
$C_{29}H_{23}NO_6$ M 481.504
Mp 121-122°.

5-Me ether: [633-72-7].
$C_9H_{13}NO_3$ M 183.207
Needles ($CHCl_3$/pet. ether). Mp 89.5-90°.

5-Me ether; B,HCl: [62511-98-2]. Mp 150°.

O1''-Me: [1464-33-1]. *5-Hydroxy-4-(methoxymethyl)-6-methyl-3-pyridinemethanol, 9CI. 3-Hydroxy-5-hydroxymethyl-4-methoxymethyl-2-methylpyridine. 4'-Methoxypyridoxine.* ***Ginkgotoxin.***
$C_9H_{13}NO_3$ M 183.207
Isol. from seeds of *Ginkgo biloba*. Sitotoxic (convulsive) agent with antivitamin B_6 activity. Mp 181° (as hydrochloride).

▷Toxic, LD_{50} ~ 11 mg/kg (oral)

Dihydroxyacetic acid monoether: [24340-35-0]. ***Piridoxilate, BAN, INN.*** *Pyridoxylate. Nargin. Venartan.* Antianginal agent. Mp 167°. A 1:1 complex of the 3 and 1'' positional isomers. Exists as zwitterions.

O1''-Phosphate: ***Pyridoxin 5'-phosphate.*** *Pyridoxol dihydrogen phosphate.*
$C_8H_{12}NO_6P$ M 249.160
Prod. by fungi and bacteria from pyridoxine. Cryst. (EtOH aq.). Mp 208-210°.

O-(7-Theophyllinylethyl)sulphate (1:1): [53403-97-7]. ***Pyridofylline, INN.*** *Atherophylline. Theodoxine.* Respiratory stimulant, coronary vasodilator. Cryst. (EtOH). Mp 144-146°.

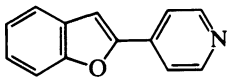
▷LD_{50} (oral, mice) 1.6g/kg. UO8430000.

Harris, S.A. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 1245, 3307 (*synth*)
Mowatt, J.H. *et al*, *J. Am. Chem. Soc.*, 1943, **65**, 954 (*synth*)
Fr. Pat., M828, (*1961*); *CA*, **58**, 9098g (*Pyridofylline*)
De Jongh, D.C. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 1233 (*ms*)
Ogata, K. *et al*, *Agric. Biol. Chem*, 1966, **30**, 829 (*1''-phosphate*)
Firestone, R.A. *et al*, *Tetrahedron*, 1967, **23**, 943 (*synth, ir, uv*)
Efimovsky, O. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1969, **4**, 89 (*piridoxilate, synth, struct*)
Fourneau, J.P., *Boll. Chim. Farm.*, 1970, **109**, 702 (*rev*)
Witherup, T.H. *et al*, *J. Org. Chem.*, 1975, **40**, 2229 (*cmr*)
Hill, R.E. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 4179 (*biosynth, cmr*)
Longo, J. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2721 (*cryst struct*)
Coffen, D.L., *Kirk-Othmer Encycl. Chem. Technol. 3rd Ed.*, 1983, **24**, 94 (*rev*)
Aboul-Enein, H.Y. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 447 (*rev, synth, anal, pharmacol*)
Shimada, S. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 38 (*synth*)
Parnell, C.A. *et al*, *Tetrahedron*, 1985, **41**, 5791 (*synth*)
Wada, K. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3555; 1988, **36**, 1779 (*Ginkgotoxin*)
Likos, J.J. *et al*, *Coenzymes Cofactors*, 1986, **1**, 13 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 641, 7847, 13133.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 951.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2335, 2336.

2-(4-Pyridyl)benzofuran P-00583

4-(2-Benzofuranyl)pyridine, 9CI. ***Pyridarone, INN.*** *L4269-Labaz*

[7035-04-3]



$C_{13}H_9NO$ M 195.220

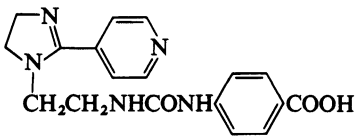
Anxiolytic, tranquilliser. Cryst. (pet. ether). Mp 133-134°.

Netherlands Pat., 6 514 447, (*1966*); *CA*, **65**, 10570a (*synth*)
Ziegler, H.J. *et al*, *Chim. Ther.*, 1971, **6**, 159 (*synth, pharmacol*)
Swiss Pat., 613 451, (*1979*); *CA*, **92**, 6428s (*synth*)

1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]-ethyl]3-(4-carboxyphenyl)urea P-00584

CGP 15720. 4-[[[[2-[4,5-Dihydro-2-(4-pyridinyl)-1H-imidazol-1-yl]ethyl]amino]carbonyl]amino]benzoic acid, 9CI

[73998-69-3]



$C_{18}H_{19}N_5O_3$ M 353.380

Antitumour agent showing high activity against respiratory tract carcinomas. Mp 181-184°.

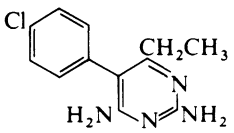
B,HCl: [73998-70-6]. Mp 217° dec.
Et ester; B,2HCl: [73998-68-2].
$C_{20}H_{23}N_5O_3$ M 381.433
Shows high antitumour activity. Yellow cryst. Mp 178-180°.

Marxer, A. *et al*, *Experienta*, 1981, **37**, 1123 (*synth, pharmacol*)

Pyrimethamine, BAN, INN P-00585

5-(4-Chlorophenyl)-6-ethyl-2,4-pyrimidinediamine, 9CI. 2,4-Diamino-5-(p-chlorophenyl)-6-ethylpyrimidine, 8CI. Chloridin. Daraprim. Tindurin. NSC 3061. Other proprietary names

[58-14-0]



$C_{12}H_{13}ClN_4$ M 248.715

Antimalarial agent. Mp 233-234° (capillary), Mp 240-242° (Cu block).

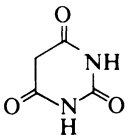
▷Exp. carcinogen and teratogen. UV8140000.

Russell, P.B. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3763 (*synth*)
Chase, B.H. *et al*, *J. Chem. Soc.*, 1953, 3518 (*synth*)
Logemann, W. *et al*, *Chem. Ber.*, 1954, **87**, 435 (*synth*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 676 (*ms*)
Burchall, J.J., *Antibiotics (N.Y.)*, 1975, **3**, 312 (*pharmacol*)
Cavallito, J.C. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 329 (*metab*)
Staedeli, W. *et al*, *Helv. Chim. Acta*, 1980, **63**, 504 (*N-15 nmr*)
Loutfy, M.A. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 463 (*rev, synth, pharmacol, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2284.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1389.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2583.

2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione, 9CI P-00586

Barbituric acid. Malonylurea

[67-52-7]



$C_4H_4N_2O_3$ M 128.087

Parent compd. of the barbiturate sedatives but is said to have no sedative props. Used in plastic manuf. Dihydrate, prisms (H_2O). Mp 248° dec.

▷Mod. irritant, allergen

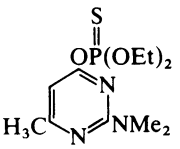
N-Et: [50721-57-8].
$C_6H_8N_2O_3$ M 156.141
Rectangular leaflets (EtOH). Mp 119-120°.
1,3-Di-Me: [769-42-6]. *1,3-Dimethylbarbituric acid. Malonyldimethylurea.*
$C_6H_8N_2O_3$ M 156.141
Needles. Sol. H_2O. Mp 123°. Sublimes.
1,3-Di-Et: [32479-73-5]. *1,3-Diethylbarbituric acid.*
$C_8H_{12}N_2O_3$ M 184.194
Sol. hot H_2O. Mp 52-53°. Bp_{19} 167°.

Wood, J.K. *et al*, *J. Chem. Soc.*, 1909, **95**, 979 (*synth*)
Biltz, H. *et al*, *Ber.*, 1916, **46**, 652 (*derivs*)
Carter, M.K., *J. Chem. Educ.*, 1951, **28**, 524 (*rev*)
Bideau, J-P. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 481 (*cryst struct*)
Org. Synth., Coll. Vol., **2**, 60 (*synth*)
Al-Karaghouli, A.L. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1655 (*cryst struct*)
Nieminen, A.O.K. *et al*, *Org. Magn. Reson.*, 1985, **23**, 419 (*N-15 nmr*)

Pyrimitate, BAN, INN P-00587

O-[2-(*Dimethylamino*)-6-methyl-4-pyrimidinyl] O,O-diethyl phosphorothioate. Pyrimithate. Diothyl. ICI 29661

[5221-49-8]



$C_{11}H_{20}N_3O_3PS$ M 305.331

Insecticide, acaricide. Liq. $Bp_{0.04}$ 128-132°.

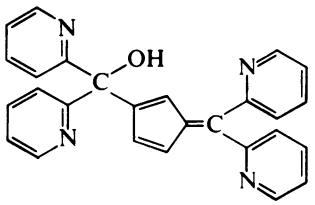
▷TF6740000.

B.P., 1 019 227, (*1966*); *CA*, **64**, 14197 (*synth, props*)
Bigg, D.C.H. *et al*, *Nature (London)*, 1976, **262**, 220 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3605.

Pyrinoline, USAN, INN **P-00588**

α-[3-(Di-2-pyridinylmethylene)-1,4-cyclopentadien-1-yl]-α-2-pyridinyl-2-pyridinemethanol, 9CI. 3-(Di-2-pyridylmethylene)-α,α-di-2-pyridyl-1,4-cyclopentadiene-1-methanol, 8CI. Surexin. McN 1210

[1740-22-3]



$C_{27}H_{20}N_4O$ M 416.481

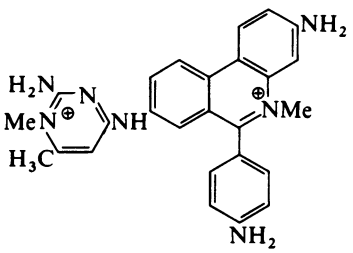
Cardiac depressant, antiarrhythmic drug. Mp 146.5-147.5°.

B.P., 1 009 012, (*1965*); *CA*, **64**, 3503g (*synth, pharmacol*)
Mohrbacher, R.J. *et al*, *J. Org. Chem.*, 1966, **31**, 2149 (*synth*)

Pyritidium(2+) **P-00589**

3-Amino-8-[(2-amino-1,6-dimethylpyrimidium-4-yl)-amino]-6-(4-aminophenyl)-5-methylphenanthridinium, 9CI, 8CI

[3616-05-5]



$C_{26}H_{27}N_7^{\oplus\oplus}$ M 437.546 (ion)

Vet. antiprotozoal.

Dibromide: [14222-46-9]. *Pyrithidium bromide, BAN. Pyritidium bromide, INN. Prothidium. RD 2801.*
$C_{26}H_{27}Br_2N_7$ M 597.354
Small red plates + $2H_2O$ (MeOH). Sol. H_2O. Mp >275°.

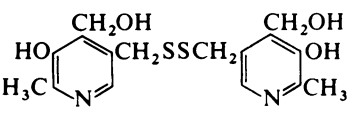
▷SF7941950.

Watkins, T.I., *J. Chem. Soc.*, 1958, 1443 (*synth*)
Taylor, A.E.R., *Br. J. Pharmacol.*, 1960, **15**, 230, 235 (*metab*)
Gul, B.S., *Indian J. Anim. Sci.*, 1973, **43**, 226 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13193.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2338.

Pyritinol, BAN, INN **P-00590**

3,3'-(Dithiodimethylene)bis[5-hydroxy-6-methyl-4-pyridinemethanol], 9CI. Pyrithioxin. Bonifen. ***Pyritioxine, JAN.*** *Numerous proprietary names*

[1098-97-1]



$C_{16}H_{20}N_2O_4S_2$ M 368.465

Sedative, reduces movement across blood/brain barrier. Mp 218-220°.

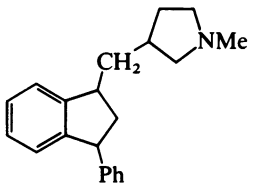
B,2HCl: Pyritioxine hydrochloride, JAN. Encephabol. Enerbol. Mp 184°.

U.S.P., 3 010 966, (*1962*); *CA*, **56**, 13022 (*synth*)
Matta, G. *et al*, *Rev. Port. Farm.*, 1966, **16**, 441 (*ir, uv*)
Iwanami, Y. *et al*, *J. Vitaminol.*, 1968, **14**, 321 (*synth*)
Darge, W. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 9, 11 (*pharmacol*)
Kitao, K. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 1335, 1343 (*metab*)
Zhukova, Z.N. *et al*, *Khim.-Farm. Zh.*, 1978, **12**, 77 (*synth*)
Beu, L. *et al*, *Rev. Chim. (Bucharest)*, 1985, **36**, 496 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4046.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13194.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 511.

Pyrophendane, INN **P-00591**

3-[(2,3-Dihydro-3-phenyl-1H-inden-1-yl)methyl]-methylpyrrolidine, 9CI. 1-(1-Methyl-3-pyrrolidinyl-methyl)-3-phenylindan. Pyrophenindane

[7009-69-0]



$C_{21}H_{25}N$ M 291.435

Spasmolytic agent. $Bp_{0.4}$ 152-156°. n_D^{20} 1.5764.

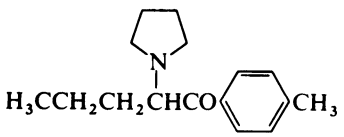
B,HCl: Mp 134-136°, Mp 197-198°. Two isomers.

B.P., 824 713, (*1959*); *CA*, **54**, 7734i (*synth, activity*)
U.S.P., 2 992 231, (*1961*); *CA*, **56**, 459f (*synth, activity*)
Dykstra, S.J. *et al*, *J. Med. Chem.*, 1967, **10**, 418 (*synth, pharmacol*)

Pyrovalerone, INN **P-00592**

1-(4-Methylphenyl)-2-(1-pyrrolidinyl)-1-pentanone, 9CI. 4'-Methyl-2-(1-pyrrolidinyl)valerophenone, 8CI

[3563-49-3]



$C_{16}H_{23}NO$ M 245.364

Central stimulant. $Bp_{0.08}$ 104°.

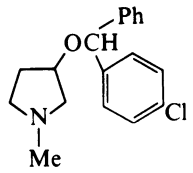
B,HCl: Pyrovalerone hydrochloride, USAN. Centrotron. Thymergix. F 1983. SP 1059. Mp 178°.

Stille, G. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 871 (*pharmacol*)
Heffe, W., *Helv. Chim. Acta*, 1964, **47**, 1289 (*synth*)
Michaelis, W. *et al*, *J. Med. Chem.*, 1970, **13**, 497 (*metab*)
Kaiser, C. *et al*, *Annu. Rep. Med. Chem.*, 172, **7**, 18 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13195.

Pyroxamine, INN **P-00593**

3-[(4-Chlorophenyl)phenylmethoxy-1-methylpyrrolidine, 9CI. 3-[(p-Chloro-α-phenylbenzyl)oxy]-1-methylpyrrolidine, 8CI

[7009-68-9]



$C_{18}H_{20}ClNO$ M 301.815

Antihistamine. $Bp_{0.3}$ 162-167°. Presumably a mixt. of diastereoisomers.

B,HCl: Mp 123-123.5°.

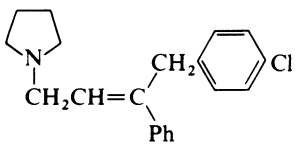
Maleate: [5560-75-8]. *Pyroxamine maleate, USAN. AHR 224. NSC 64540.*

Lunsford, C.D. *et al, J. Med. Chem.*, 1959, **1**, 73 (*synth, pharmacol*)
Alphin, R.S. *et al, Eur. J. Pharmacol.*, 1969, **6**, 61 (*pharmacol*)

Pyrrobutamine, BAN **P-00594**

1-[4-(4-Chlorophenyl)-3-phenyl-2-butenyl]pyrrolidine, 9CI. 1-[γ-(p-Chlorobenzyl)cinnamyl]pyrrolidine, 8CI

[91-82-7]



$C_{20}H_{22}ClN$ M 311.854

Antihistamine. Oily liquid cryst. on standing. Mp 48-49°. $Bp_{0.3}$ 190-195°.

B,2H₃PO₄: [135-31-9]. *Pyrrobutamine phosphate, USAN. Pyronil. Proladyl.* Cryst. (EtOH/Et_2O). Insol. $CHCl_3$, Et_2O. Mp 129.5-130°.

▷UY0700000.

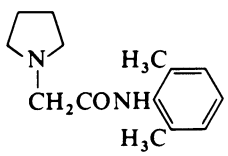
B,HCl: Cryst. (EtOH/Et_2O). Mp 227-228°.

U.S.P., 2 655 509, (*1953*); *CA*, **48**, 13726 (*synth*)
Ison, R.R. *et al, J. Pharm. Pharmacol.*, 1971, **23**, 848; 1973, **25**, 887 (*pharmacol*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6161.

Pyrrocaine, BAN, USAN, INN **P-00595**

N-(2,6-Dimethylphenyl)-1-pyrrolidineacetamide, 9CI. 1-Pyrrolidineaceto-2',6'-xylidide, 8CI. N-(*Pyrrolidin-1-ylacetyl*)-*2,6-dimethylaniline. Dynacaine. Endocaine. EN 1010. NSC 52644*

[2210-77-7]



$C_{14}H_{20}N_2O$ M 232.325

Local anaesthetic. Cryst. (hexane). Mp 83°.

B,HCl: [2210-64-2]. Cryst. (2-propanol). Mp 205°.

Lofgren, N. *et al, Acta Chem. Scand.*, 1957, **11**, 1724 (*synth, pharmacol*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
B.P., 986 993, (*1965*); *CA*, **63**, 440c (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7648.

1*H*-Pyrrole-2-carboxylic acid, 9CI **P-00596**

Minaline

[634-97-9]

$C_5H_5NO_2$ M 111.100

Occurs in various microorganisms, e.g. *Streptomyces griseoflavus*. Imino-acid occurring in diastase, prob. resulting from dehydration of hydroxyprolines. Esters possess local anaesthetic props. Leaflets (H_2O). Sol. H_2O, EtOH, Et_2O. Mp 208.5° dec. Decarboxylates at Mp. Isoelectric point 2.9.

Me ester:
$C_6H_7NO_2$ M 125.127
Needles (pet. ether). Sol. EtOH, Et_2O. Mp 73°. Bp_{740} 220-223°, Bp_{12-16} 115-120°.

Et ester:
$C_7H_9NO_2$ M 139.154
Cryst. V. sol. Et_2O, EtOH, C_6H_6, pet. ether. Mp 39°. Bp 230-232°.

Chloride: α-Pyrroyl chloride.
C_5H_4ClNO M 129.546
Cryst. (Et_2O/ligroin). V. sol. Et_2O, $CHCl_3$. Sinters at 110°, dec. at higher temps. Dec. rapidly in moist air.

Amide:
$C_5H_6N_2O$ M 110.115
Plates (H_2O or EtOH). Mp 176°. Sweet taste.

N-*Et:*
$C_7H_9NO_2$ M 139.154
Needles (H_2O). Mp 78°.

Hydrazide:
$C_5H_7N_3O$ M 125.130
Cryst. (EtOH aq.). Mp 231-232° dec.

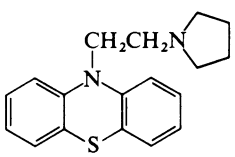
Azide:
$C_5H_4N_4O$ M 136.113
Cryst. Mp 105° dec.

Schwanert, H., *Justus Liebigs Ann. Chem.*, 1860, **116**, 257.
Blicke, F.F. *et al, J. Am. Chem. Soc.*, 1930, **52**, 238.
Doyle, F.P. *et al, J. Chem. Soc.*, 1958, 4458.
Treibs, A. *et al, Justus Liebigs Ann. Chem.*, 1958, **619**, 80.
Hodge, P. *et al, J. Chem. Soc.*, 1963, 2543.
Org. Synth., 1971, **51**, 100 (*ester*)
Höfle, G. *et al, Justus Liebigs Ann. Chem.*, 1983, 835 (*isol, pmr*)

10-[2-(1-Pyrrolidinyl)ethyl]-10*H*-phenothiazine, 9CI **P-00597**

Parathiazine, INN. *Pyrathiazine*

[84-08-2]



$C_{18}H_{20}N_2S$ M 296.429

Antihistaminic agent. Brown oil. Bp_2 222-226°, $Bp_{0.1}$ 142-146°.

▷SP4725000.

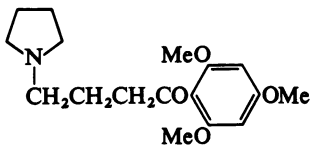
B,HCl: [522-25-8]. *Pyrrolazote. Rolazote. 4270 RP.* Cubes (2-propanol). Mp 200-201°.

▷SP4900000.

Reid, W.B. *et al, J. Am. Chem. Soc.*, 1948, **70**, 3100 (*synth*)
Thompson, W.E. *et al, J. Pharm. Sci.*, 1965, **54**, 1819 (*ir*)

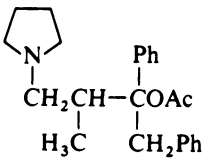
Jain, N.C. *et al*, *Microchem. J.*, 1967, **12**, 256 (*glc*)
Singh, K.P. *et al*, *Ind. J. Med. Res.*, 1967, **55**, 889 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6160.

4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, 9CI **P-00598**
2',4',6'-Trimethoxy-4-(1-pyrrolidinyl)butyrophenone. (2,4,6-Trimethoxyphenyl)(3-pyrrolidinopropyl)ketone. ***Buflomedil,*** *BAN, INN*
[55837-25-7]



$C_{17}H_{25}NO_4$ M 307.389
Spasmolytic, vasodilator.
B,HCl: [35543-24-9]. *Bufedil. Fonzylane. Loftyl. Arteriol. Hemoflux. LL 1656. Numerous proprietary names.* Mp 192-193°.
▷LD_{50} in mice 80 mg/kg, i.v. EL9900000.
Ger. Pat., 2 122 144, (*1971*); *CA*, **76**, 72233v (*synth, tox*)
Duteil, J. *et al*, *Therapie*, 1975, **30**, 207 (*pharmacol*)
Badmin, J.A. *et al*, *J. Chromatogr.*, 1979, **172**, 319 (*hplc*)
Dubourg, A. *et al*, *Angiology*, 1981, **32**, 663 (*rev*)
Vanhoutte, P.M. *et al*, *Bibl. Cardiol.*, 1984, **38**, 209; *New Drugs Annu.: Cardiovasc. Drugs*, 1984, **2**, 211 (*revs*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4555 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12465.

Pyrroliphene **P-00599**
β-Methyl-α-phenyl-α-(phenylmethyl)-1-pyrrolidinepropanol acetate. α-Benzyl-β-methyl-α-phenyl-1-pyrrolidinepropanol acetate. ***Pyrrolifene, INN***
[15686-97-2]



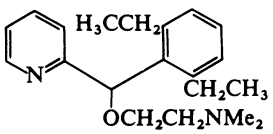
$C_{23}H_{29}NO_2$ M 351.488
Analgesic.
B,HCl: [5591-44-6]. *Pyrroliphene hydrochloride,* USAN. *Lilly 31518.* Mp 202-203°.
U.S.P., 2 728 779, (*1955*); *CA*, **50**, 13997i (*synth, pharmacol*)
Miller, J.A. *et al*, *J. Pharm. Sci.*, 1963, **52**, 446 (*pharmacol*)
Rado, J.P. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1970, **186**, 142 (*pharmacol*)

Pyruvaldehyde, 8CI **P-00600**
2-Oxopropanal, 9CI. *Pyruvic aldehyde. 2-Oxopropionaldehyde. Methylglyoxal. Pyroracemic aldehyde. Propanalone*
[78-98-8]



$C_3H_4O_2$ M 72.063
Physiological role unknown. Shows antitumour props. Yellow liq. with pungent odour, giving yellowish-green vapour. Bp ca. 72°. Liq. is bimolecular at r.t. rapidly polymerising to amorph. glassy mass.
▷Shows mutagenic and tumour-promoting props. UZ0700000.
1-Oxime: [306-44-5]. *Isonitrosoacetone. Monoisonitrosoacetone. MNA.*
$C_3H_5NO_2$ M 87.078
Cholinesterase and acetylcholinesterase reactivator used to treat poisoning by organophosphorus insecticides and nerve gases. Leaflets (Et_2O/pet. ether), needles by subl. Sol. H_2O, Et_2O, spar. sol. C_6H_6. Mp 69°. pK_a 8.39. Steam-volatile, readily subl.
▷UZ0750000.
Dioxime: [1804-15-5]. *Methylglyoxime.*
$C_3H_6N_2O_2$ M 102.093
Prisms (EtOH) or needles by subl. Spar. sol. H_2O. Mp 157° (153°).
Disemicarbazone: Mp 254°.
1-Phenylhydrazone: Mp 148-150°.
Bis-2,4-dinitrophenylhydrazone: Reddish-orange cryst. ($PhNO_2$). Mp 308-309°.
Di-Ac:
$C_7H_8O_4$ M 156.138
Pale-yellow liq. Bp_{13} 115-116°.
Tetra-Et acetal: [16330-14-6]. *1,1,2,2-Tetraethoxypropane.*
$C_{11}H_{24}O_4$ M 220.308
Bp 192°.
Fischer, O.L. *et al*, *Ber.*, 1924, **57**, 1506 (*synth*)
Taylor, T.W.J. *et al*, *J. Chem. Soc.*, 1926, 2818 (*oxime*)
Org. Synth., Coll. Vol., **4**, 633 (*deriv*)
Weygand, F. *et al*, *Chem. Ber.*, 1957, **90**, 1230 (*synth*)
Steinbauer, E. *et al*, *Monatsh. Chem.*, 1962, **93**, 303 (*synth*)
Tetsuzo, K. *et al*, *CA*, 1964, **61**, 638 (*synth*)
Mosher, W.A. *et al*, *J. Org. Chem.*, 1970, **35**, 3689 (*oxime*)
Bestman, H.-J. *et al*, *Chem. Ber.*, 1969, **102**, 2259 (*synth*)
Alderliesten, P. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 811 (*oxime*)
Baltes, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1982, **21**, 540 (*synth*)
Yamaguchi, T. *et al*, *Agric. Biol. Chem.*, 1982, **46**, 849 (*tox*)
Matsuura, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3567 (*anal*)

Pytamine, INN **P-00601**
2-[(2,6-Diethylphenyl)-2-pyridinylmethoxy]-N,N-dimethylethanamine, 9CI. *2-[α-[2-(Dimethylamino)-ethoxy]-2,6-diethylbenzyl]pyridine,* 8CI
[15301-88-9]

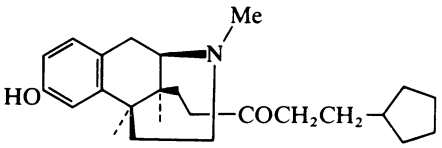


$C_{20}H_{28}N_2O$ M 312.454
(±)-form
Diuretic. Oil. Bp_2 172-174°.
B,HCl: [641-35-0]. *BS 7161*D. Mp 151°.
Roukema, P.A. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 988 (*synth, pharmacol*)
Herstel, H. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 827 (*pharmacol*)

Q

Quadazocine, INN **Q-00001**

1-Cyclopentyl-5-(1,2,3,4,5,6-hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-3-pentanone, 9CI. WIN 44441



$C_{25}H_{37}NO_2$ M 383.573

(−)-form [71276-43-2]

Analgesic, opioid antagonist.

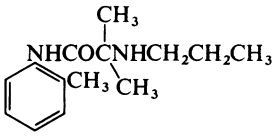
B,MeSO$_3$H: [71276-44-3]. *Quadazocine mesylate, USAN. Win 44441-3.* Cryst. (MeOH/Et$_2$O). Mp 212-214°. $[\alpha]_D^{25}$ −25.7°.

U.S.P., 4 255 579, (*1981*); *CA*, **95**, 80760 (*synth*)
Ward, S.J. *et al*, *Life Sci.*, 1983, **33**, 303 (*pharmacol*)
Wood, P.L. *et al*, *Pharm. Res.*, 1984, 46.
Dykstra, L.A. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **242**, 421, 428 (*pharmacol*)

Quatacaine, INN **Q-00003**

2-Methyl-N-(2-methylphenyl)-2-(propylamino)-propanamide, 9CI. 2-Methyl-2-(propylamino)-o-propionotoluidide, 8CI. Tanacain. 0205 A. LA 012

[17692-45-4]



$C_{14}H_{22}N_2O$ M 234.341

Local anaesthetic. Bp$_1$ 147-150°.

B,HCl: [6205-09-0]. Mp 210-211°.

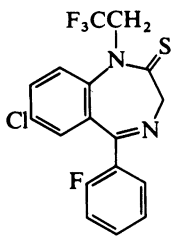
▷UG5750000.

Fr. Pat., 1 522 825, (*1968*); *CA*, **71**, 80979e (*synth*)
Akerman, S.B.A. *et al*, *Acta Pharmacol. Toxicol.*, 1973, **32**, 88 (*pharmacol, tox*)

Quazepam, BAN, INN, USAN **Q-00004**

7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-(2,2,2-trifluoroethyl)-2H-1,4-benzodiazepine-2-thione, 9CI. Cetrane. Dormalin. Prosedar. Selepam. Sch 16134

[36735-22-5]



$C_{17}H_{11}ClF_4N_2S$ M 386.794

Sedative, hypnotic. Mp 138-139°.

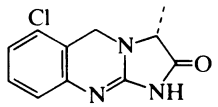
▷DE9710000.

Steinman, M. *et al*, *J. Med. Chem.*, 1973, **16**, 1354 (*synth, pharmacol*)
Zampaglione, N. *et al*, *Drug Metab. Dispos.*, 1985, **13**, 25 (*metab*)
Black, H.E. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 906 (*tox*)
Ankier, S.I. *et al*, *Drugs*, 1988, **35**, 42 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13196.

Quazinone, INN, USAN **Q-00005**

6-Chloro-1,5-dihydro-3-methylimidazo[2,1-b]-quinazolin-2(3H)-one, 9CI. Dazonone. Posicor. Ro 13-6438

[70018-51-8]



(R)-form

$C_{11}H_{10}ClN_3O$ M 235.673

(R)-form

Cardiotonic, peripheral vasodilator.

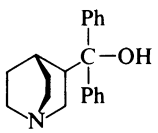
B,HCl: Mp 262-264°. $[\alpha]_D$ +34°.

Kienzle, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 547 (*synth, pharmacol*)
Eigenmann, R. *et al*, *J. Cardiovasc. Pharmacol.*, 1984, **6**, 511, 520 (*pharmacol*)
Haefelfinger, P. *et al*, *J. Chromatogr.*, 1984, **305**, 153 (*hplc*)
Braun, S. *et al*, *Drugs Exp. Clin. Res.*, 1986, **12**, 381 (*pharmacol*)

Quifenadine, INN **Q-00006**

α,α-Diphenyl-1-azabicyclo[2.2.2]octane-3-methanol, 9CI. α,α-Diphenyl-3-quinuclidinemethanol. Fenkarol. Phencarol

[10447-39-9]



$C_{20}H_{23}NO$ M 293.408

(±)-form

Spasmolytic, antihistamine agent. Mp 239°.

B,HCl: [10447-38-8]. Mp 285-290°.

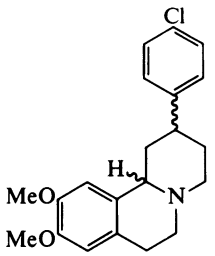
▷VD4830000.

Tondeur, R. *et al*, *Chim. Ther.*, 1966, 207 (*synth, pharmacol*)
Keasling, H.H. *et al*, *J. Med. Chem.*, 1971, **14**, 1106 (*pharmacol*)
Moffett, R.B. *et al*, *J. Med. Chem.*, 1971, **14**, 1088 (*synth*)
Villani, F.J. *et al*, *J. Med. Chem.*, 1975, **18**, 666 (*synth, pharmacol*)
Kaminka, M.E. *et al*, *Khim.-Farm. Zh.*, 1976, **10**, 48; 1980, **14**, 12 (*synth, pharmacol*)
Kholodov, L.E. *et al*, *Khim.-Farm. Zh.*, 1981, **15**, 20; 1983, **17**, 29 (*pharmacol*)
Turchin, K.F. *et al*, *Khim.-Farm. Zh.*, 1986, **20**, 65 (*pmr, conformn*)

Quillifoline, INN **Q-00007**

2-(p-Chlorophenyl)-1,3,4,6,7,11b-hexahydro-9,10-dimethoxy-2H-benzo[a]*quinolizine. Killifolin. BS 7284*

[15301-89-0]



$C_{21}H_{24}ClNO_2$ M 357.879

Analgesic.

cis-form [1168-01-0]

Cryst. (pet. ether). Mp 129-130°.

B,HCl: Cryst. (EtOH/EtOAc). Mp 254-256°.

trans-form [1168-02-1]

Cryst. (pet. ether). Mp 131-132° (123-124°).

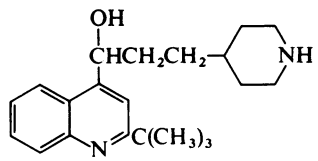
B,HCl: Cryst. (propanol). Mp 264-266°.

Gootjes, J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1961, **80**, 1223; 1965, **84**, 1183 (*synth, pharmacol*)
Bruderer, H. *et al*, *Helv. Chim. Acta*, 1964, **47**, 1852 (*synth*)
Sugiura, M. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1168 (*cmr*)

Quinacainol, INN **Q-00008**

2-(1,1-Dimethylethyl)-α-[2-(4-piperidinyl)ethyl]-4-quinolinemethanol, 9CI. *2-*tert*-Butyl-α-[2-(4-piperidyl)-ethyl]-4-quinolinemethanol. PK 10139*

[86073-85-0]



$C_{21}H_{30}N_2O$ M 326.481

(±)-*form*

Antiarrhythmic drug.

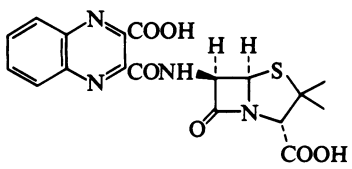
B,2HCl: [83255-74-7]. Mp 219°.

Eur. Pat., 53 964, (*1982*); *CA*, **97**, 162846 (*synth*)
Bouetard, G. *et al*, *J. Pharmacol. Exp. Ther.*, 1983, **225**, 158 (*pharmacol*)
Rougeot, C. *et al*, *J. Pharm. Pharmacol.*, 1984, **36**, 347 (*pharmacol*)

Quinacillin, BAN, INN **Q-00009**

6-(3-Carboxy-2-quinoxalinecarboximido)penicillanic acid. RD 13962

[1596-63-0]



$C_{18}H_{16}N_4O_6S$ M 416.408

Semisynthetic penicillin antibiotic.

Di-Na salt: [985-32-0]. Shows high activity against *Staphylococcus aureus*. Cryst. $[\alpha]_D^{23}$ +183.5° (H_2O). Dec. at 261-262°. V. hygroscopic.

▷XH8660000.

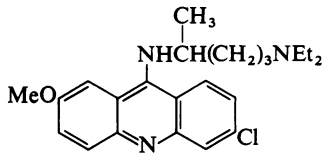
Bis(triethylammonium)salt: Cryst. + H_2O (Me_2CO). $[\alpha]_D^{20}$ +142° (c, 0.376 in H_2O). Dec. at 135-137°.

Richards, H.C. *et al*, *Nature* (*London*), 1963, **199**, 354 (*synth, props*)
B.P., 967 890, (*1966*); *CA*, **66**, 10929 (*synth, derivs*)
Isaka, I. *et al*, *CA*, 1972, **77**, 34412 (*synth*)
Kulikova, D.A. *et al*, *Antibiotiki* (*Moscow*), 1973, **18**, 835 (*props*)

Quinacrine **Q-00010**

N⁴-(6-Chloro-2-methoxy-9-acridinyl)-N′,N′-diethyl-1,4-pentanediamine, 9CI. *6-Chloro-N-(4-diethylamino-1-methylbutyl)-2-methoxy-9-acridinamine.* ***Mepacrine, INN.*** *Acrichine. Atabrine. Atebrin. Numerous proprietary names*

[83-89-6]



$C_{23}H_{30}ClN_3O$ M 399.963

Antimalarial and anthelmintic (administered as salts). Yellow oil.

▷Toxic. AR7700000.

(+)-*form*

Yellow oil. $[\alpha]_D$ +205° (EtOH).

B,2HCl: Yellow cryst. (EtOH/Et_2O). Mp 244-245° dec. $[\alpha]_D^0$ +388° (H_2O).

(−)-*form*

$[\alpha]_D^{17}$ −197° (EtOH).

B,2HCl: Yellow cryst. (EtOH/Et_2O). Mp 244-245° dec. $[\alpha]_D^{14}$ −379° (H_2O).

(±)-*form*

Mp 86-88°.

B,2HCl: [69-05-6]. *Quinacrine hydrochloride,* USAN. Cryst. (H_2O). Mp 248-250°.

▷AR7875000.

B,2MeSO₃H: [316-05-2]. *Quinacrine soluble. Musonal.* Mp 143-145°.

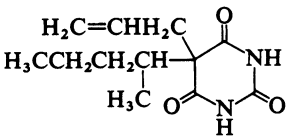
▷AR7880000.

Mietsch, F. *et al*, *Angew. Chem.*, 1934, **47**, 633.
Brown, B.R. *et al*, *J. Chem. Soc.*, 1948, 99 (*synth*)
Courseille, C. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2349 (*cryst struct*)
Wolfe, A.D., *Antibiotics* (*N.Y.*), 1975, **3**, 203 (*rev, pharmacol*)
Acheson, R.M. *et al*, *Org. Mass Spectrom.*, 1977, **12**, 518 (*ms*)
Griggs, B.G. *et al*, *Org. Magn. Reson.*, 1978, **11**, 81 (*cmr*)
Tanenbaum, L. *et al*, *Arch. Dermatol.*, 1980, **116**, 587 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6925.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1382.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 700.

Quinalbarbitone Q-00011

5-(1-Methylbutyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-(1-methylbutyl)-barbituric acid, 8CI. Secobarbitone. ***Secobarbital,*** *INN,* ***USAN.*** *Numerous proprietary names*

[76-73-3]



$C_{12}H_{18}N_2O_3$ M 238.286

▷CP9450000.

(R)-form [22328-94-5]

Cryst. (EtOAc/hexane). Mp 103-106°. $[\alpha]_D^{22}$ +9.23° (c, 2 in EtOH).

▷CP9450200.

(S)-form

Cryst. by subl. Mp 102.5-103.5°. $[\alpha]_D^{24}$ −8.55° (c, 2.3 in EtOH).

(±)-form [29071-21-4]

Sedative. Cryst. Mp 98-100°. pK_a 12.60.

▷CP9450100.

Na salt: [309-43-3]. *Quinalbarbitone sodium, BAN. Secobarbital sodium, INN. Seconal sodium.* Hygroscopic powder.

▷CP9800000.

Carroll, F.I. *et al, J. Org. Chem.*, 1969, **34**, 2676 (*synth, abs config*)

Cook, C.E. *et al, J. Heterocycl. Chem.*, 1969, **6**, 203 (*synth, abs config*)

Comer, I., *Anal. Profiles Drug Subst.*, 1972, **1**, 343 (*rev*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2504.

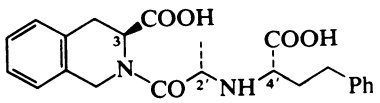
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4066, 4067.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2389.

Quinaprilat, INN Q-00012

2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 9CI. CI 928

[85441-60-7]



(2'S,3S,4'S)-form

$C_{23}H_{26}N_2O_5$ M 410.469

Antihypertensive agent (angiotensin converting enzyme inhibitor). Cryst. + $1H_2O$ ($MeOH/Et_2O$). Mp 166-168°. $[\alpha]_D^{23}$ +20.9° (c, 1 in MeOH).

Et ester: [85441-61-8]. ***Quinapril, INN.*** *2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, 9CI.*

$C_{25}H_{30}N_2O_5$ M 438.522

Antihypertensive agent (angiotensin converting enzyme inhibitor).

Et ester; B,HCl: [82586-55-8]. *Quinapril hydrochloride, USAN. CI 906.* Cryst. (EtOAc/toluene). Mp 120-130°. $[\alpha]_D^{23}$ +14.5° (c, 1.2 in EtOH).

Klutchko, S. *et al, J. Med. Chem.*, 1986, **29**, 1953 (*synth, pharmacol*)

Saynavalammi, P. *et al, J. Pharmacol. Exp. Ther.*, 1986, **237**, 246 (*pharmacol*)

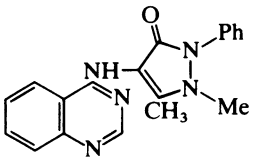
Hengy, H. *et al, J. Liq. Chromatogr.*, 1988, **11**, 517 (*hplc*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 491.

Quinazopyrine Q-00013

1,2-Dihydro-1,5-dimethyl-2-phenyl-4-(4-quinazolinylamino)-3H-pyrazol-3-one

[100330-91-4]



$C_{19}H_{17}N_5O$ M 331.376

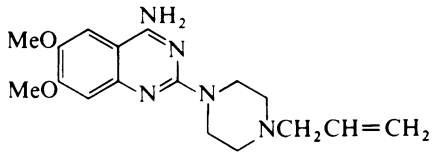
Antiinflammatory agent.

Golovkin, V.O. *et al, Farm. Zh. (Kiev)*, 1985, 62; *CA*, **104**, 95337 (*pharmacol*)

Quinazosin, INN Q-00014

6,7-Dimethoxy-2-[4-(2-propenyl)-1-piperazinyl]-4-quinazolinamine, 9CI. 2-(4-Allyl-1-piperazinyl)-4-amino-6,7-dimethoxyquinazoline, 8CI

[15793-38-1]



$C_{17}H_{23}N_5O_2$ M 329.401

Antihypertensive drug. Mp 198-201°.

B,2HCl: [7262-00-2]. *Quinazosin hydrochloride, USAN. CP 11332-1.* Mp 282-283°.

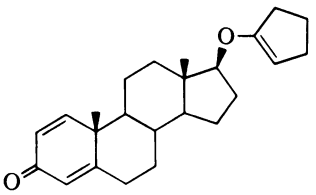
Scriabine, A. *et al, Experientia*, 1968, **24**, 1150 (*pharmacol*)

B.P., 1 156 973, (*1969*); *CA*, **71**, 91519f (*synth, pharmacol*)

Quinbolone, USAN, INN Q-00015

17β-(1-Cyclopenten-1-yloxy)androsta-1,4-dien-3-one, 9CI, 8CI. Anabolvis. MK 810

[2487-63-0]



$C_{24}H_{32}O_2$ M 352.516

Anabolic steroid. Mp 133-135°. $[\alpha]_D^{20}$ +61° (dioxan).

Ercoli, A. *et al, Chem. Ind. (London)*, 1962, 1284 (*synth, pharmacol*)

Galletti, F. *et al, Steroids*, 1971, **18**, 39 (*metab*)

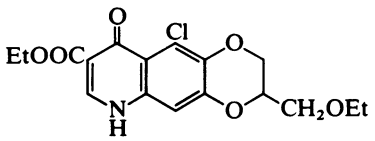
Gardi, R. *et al, Steroids*, 1972, **19**, 639 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13198.

Quincarbate, INN Q-00016

10-Chloro-3-(ethoxymethyl)-2,3,6,9-tetrahydro-9-oxo-1,4-dioxino[2,3-g]quinoline-8-carboxylic acid ethyl ester, *9CI*. *DU 23187*

[54340-59-9]



$C_{17}H_{18}ClNO_6$ M 367.785

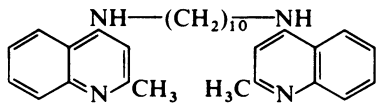
Diuretic. Mp 293-295°.

Van Dijk, J. *et al*, *J. Med. Chem.*, 1976, **19**, 982 (*synth, pharmacol*)
Boschman, T.A. *et al*, *ACS Symp. Ser.*, 1978, **83**, 140 (*rev*)
Willard, A.K. *et al*, *J. Org. Chem.*, 1981, **46**, 3846 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13199.

Quindecamine, INN Q-00017

N,N′-*Bis(2-methyl-4-quinolinyl)-1,10-decanediamine*, *9CI*. *4,4′-(Decamethylenediimino)diquinaldine*, *8CI*

[19056-26-9]



$C_{30}H_{38}N_4$ M 454.657

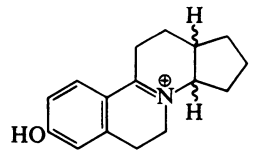
Antibacterial agent. Cryst. ($CHCl_3$). Mp 150-151°.

B,2AcOH: [5714-05-6]. *Quindecamine acetate*, *USAN*. *NAT 324*. *RMI 8090*DJ. Cryst. + $2H_2O$ (MeOH). Mp 125-130°.

Doppstedt, A. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1764 (*pharmacol*)
Singh, A.K., *Chem. Pharm. Bull.*, 1975, **23**, 1869 (*synth, pharmacol*)

Quindonium(1+) Q-00018

2,3,3a,5,6,11,12,12a-Octahydro-8-hydroxy-1H-benzo[a]cyclopenta[f]quinolizinium, *9CI*



$C_{16}H_{20}NO^{\oplus}$ M 242.340 (ion)

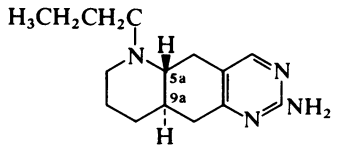
Cardiac depressant (antiarrhythmic).

Bromide: [130-81-4]. *Quindonium bromide*, *USAN*, *INN*. *W 3366*A.
$C_{16}H_{20}BrNO$ M 322.244
Mp 275-277°.

U.S.P., 3 336 315, (*1967*); *CA*, **68**, 21856c (*synth, pharmacol*)
Kaplan, H.R. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **181**, 98 (*pharmacol*)

Quinelorane, INN Q-00019

5,5a,6,7,8,9,9a,10-Octahydro-6-propylpyrido[2,3-g]quinazolin-2-amine, *9CI*



(5a*R*,9a*R*)-*form*

$C_{14}H_{22}N_4$ M 246.355

(***5aR,9aR*)-*form*** [97466-90-5]

trans(−)-*form*. *LY 163502*

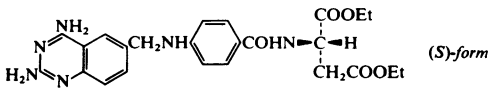
Antihypertensive agent. Dopamine agonist. Inhibits prolactin secretion.

B,2HCl: $[\alpha]_D^{25}$ −99.6°.

Eur. Pat., 139 393, (*1985*); *CA*, **103**, 196115 (*synth, pharmacol*)
Bymaster, F.P. *et al*, *Life Sci.*, 1986, **38**, 317 (*pharmacol*)
Taber, L.D. *et al*, *J. Pharm. Sci.*, 1987, **76**, 492 (*anal*)

Quinespar Q-00020

N-[*4*-[[(*2,4-Diamino-6-quinazolinyl*)*methyl*]*amino*]-*benzoyl*]*aspartic acid diethyl ester*



(*S*)-*form*

$C_{24}H_{28}N_6O_5$ M 480.522

(***S*)-*form*** [18921-66-9]

L-form

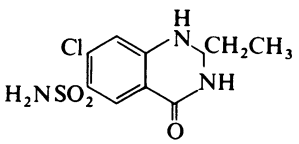
Antineoplastic agent (folic acid antagonist). Beige rods + $1H_2O$. Mp 175-178°.

Davoll, J. *et al*, *J. Chem. Soc.* (*C*), 1970, 997 (*synth*)
Hynes, J.B. *et al*, *J. Med. Chem.*, 1977, **20**, 588 (*synth, pharmacol*)
Mastropaolo, D. *et al*, *J. Med. Chem.*, 1986, **29**, 155 (*cryst struct*)

Quinethazone, BAN, INN, JAN Q-00021

7-Chloro-2-ethyl-1,2,3,4-tetrahydro-4-oxo-6-quinazolinesulfonamide, *9CI*, *8CI*. *Aquamox*. *Diurene*. *Hidrox*. *Hydromox*. *Idrokin*. *Quenamox*. *CL 36010*

[73-49-4]



$C_{10}H_{12}ClN_3O_3S$ M 289.736

(±)-*form*

Diuretic, antihypertensive agent. Cryst. (Me_2CO aq.). Mp 250-252° (248-252°).

Cohen, G. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2731 (*synth*)
Freed, S.C., *Proc. Soc. Expt. Biol. Med.*, 1963, **114**, 421 (*pharmacol*)
Hallesy, D.W. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 660, 665 (*synth, pharmacol*)
Braga, M.M.F. *et al*, *Rev. Port. Farm.*, 1964, **14**, 251; *CA*, **63**, 433f (*ir, uv, anal*)
Baur, M., *Arzneim.-Forsch.*, 1965, **15**, 806 (*pharmacol*)
Marozzi, G. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2354.

Quinezamide, INN **Q-00022**

N-(*5-Methylpyrazolo[1,5-c]quinazolin-1-yl)acetamide, 9CI. 1-Acetamino-5-methylpyrazolo[1,5-c]quinazoline*

[77197-48-9]



$C_{13}H_{12}N_4O$ M 240.264

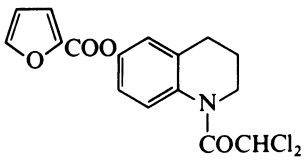
Antiulcerogenic. Mp 258-260°.

Ger. Pat., 3 019 019, (*1980*); *CA*, **94**, 156963 (*synth, pharmacol*)

Quinfamide, INN, USAN **Q-00023**

1-(Dichloroacetyl)-1,2,3,4-tetrahydro-6-quinolinyl 2-furancarboxylate, 9CI. Amenide. Amenox. Win 40014

[62265-68-3]



$C_{16}H_{13}Cl_2NO_4$ M 354.189

Antiamoebic drug. Mp 150.5-151°.

Bailey, D.M. *et al, J. Med. Chem.*, 1979, **22**, 599 (*synth, pharmacol*)

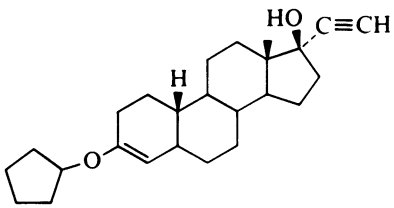
Baker, J.F. *et al, Arch. Int. Pharmacodyn. Ther.*, 1982, **258**, 29 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18609.

Quingestanol, BAN, INN **Q-00024**

3-(Cyclopentyloxy)-19-nor-17α-pregna-3,5-dien-20-yn-17-ol, 9CI, 8CI

[10592-65-1]



$C_{25}H_{34}O_2$ M 366.542

Progestin.

Ac: [3000-39-3]. ***Quingestanol acetate, USAN***. *Demovis. Pilomin. W 4540.*

$C_{27}H_{36}O_3$ M 408.580

Progestin, oral and postcoital contraceptive. Mp 182-184°. $[\alpha]_D$ −215° (dioxan).

▷RC8899900.

Ger. Pat., 1 228 608, (*1966*); *CA*, **66**, 38167k (*synth*)

Giannina, T. *et al, Proc. Soc. Exp. Biol. Med.*, 1969, **131**, 781 (*pharmacol*)

DiCarlo, F.J. *et al, Pharmacology*, 1974, **11**, 287 (*metab*)

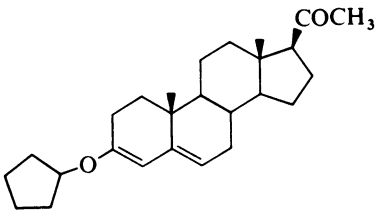
Mischler, T.W. *et al, Contraception*, 1974, **9**, 221 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9102.

Quingestrone, USAN, INN **Q-00025**

3-(Cyclopentyloxy)pregna-3,5-dien-20-one, 9CI, 8CI. Enol-Luteovis. W 3399

[67-95-8]



$C_{26}H_{38}O_2$ M 382.585

Progestin. Mp 105-106°. $[\alpha]_D$ −47.5° (dioxan).

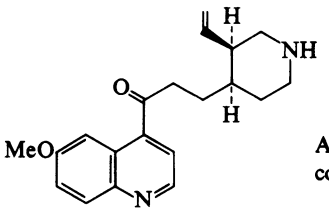
U.S.P., 3 019 241, (*1962*); *CA*, **57**, 4729 (*synth, pharmacol*)

Meli, A. *et al, Proc. Soc. Exp. Biol. Med.*, 1965, **118**, 714 (*pharmacol*)

Quinicine **Q-00026**

3-(3-Ethenyl-4-piperidinyl)-1-(6-methoxy-4-quinolinyl)-1-propanone, 9CI. Mequiverine. Quinotoxine. ***Viquidil, INN***

[84-55-9]



Absolute configuration

$C_{20}H_{24}N_2O_2$ M 324.422

Alkaloid from many *Cinchona* spp. (Rubiaceae), poss. an artifact from rearr. of quinine. Readily obt. by thermal rearr. of quinine or quinidine. Spasmolytic agent, cerebral vasodilator. Antiarrhythmic agent. Noncryst. Mp ~60°. $[\alpha]_D$ +39° ($CHCl_3$).

B,HCl: [36342-92-4]. *Desclidium. Permiran. Vasexeten.* Mp 180-182°. $[\alpha]_D^{14}$ +16.3° (H_2O).

Oxime: Mp 112-116°.

Demethoxy: [69-24-9]. ***Cinchonicine***. *3-(3-Ethenyl-4-piperidinyl)-1-(4-quinolinyl)-1-propanone, 9CI. Cinchotoxine.*

$C_{19}H_{22}N_2O$ M 294.396

Poss. minor congener of Cinchonine, occurrence not well documented. Readily obt. by thermal rearr. of cinchonine or cinchonicine. Long thin prisms (Et_2O). Mp 58-59°. $[\alpha]_D$ +46.5° (c, 2 in $CHCl_3$), $[\alpha]_D$ +57.7° (EtOH).

Demethoxy; B,HNO₃: Mp 160°.

Howard, D., *J. Chem. Soc.*, 1871, **24**, 61; 1872, **25**, 101 (*isol, synth*)

Prošteník, M. *et al, Helv. Chim. Acta*, 1943, **26**, 1965 (*synth*)

Quevauviller, A. *et al, Ann. Pharm. Fr.*, 1966, **24**, 39 (*rev, pharmacol, synth*)

Gueremy, C. *et al, Arzneim.-Forsch.*, 1972, **22**, 1336, 1341 (*metab*)

Grethe, G. *et al, Helv. Chim. Acta*, 1973, **56**, 1485 (*synth*)

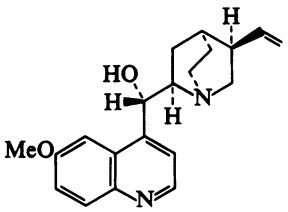
Smith, G., *J. Chromatogr.*, 1984, **299**, 233 (*hplc*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14019.

Quinidine, BAN Q-00027

(9S)-*6'-Methoxycinchonan-9-ol*, *9CI*. *Conquinine. Conchinine. β-Quinine. Pitayine. Numerous proprietary names*

[56-54-2]



Absolute configuration

$C_{20}H_{24}N_2O_2$ M 324.422

Alkaloid from *Cinchona officinalis* and very many other *C.* spp., and from *Remijia pedunculata* (Rubiaceae). Antiarrhythmic agent, antimalarial. Cardiac depressant, has been used as clinical antifibrillatory agent. Mp 174-175° (anhyd.). $[\alpha]_D^{15}$ +262° (EtOH).

▷VA4725000.

B,HCl: Mp 258-259° dec. (anhyd.). $[\alpha]_D^{20}$ +200° (H_2O).

B,MeI: Mp 248°.

Picrate: Mp 243°.

2B,H_2SO_4: [50-54-4]. *Quinidine sulfate*, *USAN*. *CinQuin. Quinidex.*

▷VA5951000.

D-Gluconate: [7054-25-3]. *Quinidine gluconate*, *USAN*. *Duraquin. Quinaglute.*

▷LZ5250000.

9-Epimer: [572-59-8]. ***Epiquinidine***. epi-*Quinidine*. Occurs in *C.* spp., poss. as artifact. Cryst. (EtOAc). Mp 113°. $[\alpha]_D^{20}$ +103.7° (EtOH).

9-Epimer; B,2HCl: Cryst. (EtOH). Mp 195.7° dec. $[\alpha]_D^{20}$ +45.5° (EtOH).

10,11-Dihydro: [1435-55-8]. ***Hydroquinidine***. (9S)-*10,11-Dihydro-6'-methoxycinchonan-9-ol*, *9CI*. *Hydroconquinine. Hydroconchinene. Hydroquine. Lentoquine. Quinotidine. Serecor.*

$C_{20}H_{26}N_2O_2$ M 326.438

Minor congener of quinidine from *C.* bark, also obt. from *R. pedunculata* and *Aspidosperma marcgravianum* bark and leaves (Rubiaceae, Apocynaceae). Antimalarial. Antiarrhythmic. Needles (EtOH). Mp 168-169°. $[\alpha]_D^{18}$ +237° (EtOH).

▷MX3016000.

10,11-Dihydro; B,HCl: Cryst. (H_2O). Mp 273-274°. $[\alpha]_D^{26}$ +183.9°.

Van Hejningen, *Justus Liebigs Ann. Chem.*, 1849, **72**, 301 (*isol*)

Dirscherl, W. *et al*, *Justus Liebigs Ann. Chem.*, 1935, **521**, 48 (*isol, deriv*)

Lyle, G.G. *et al*, *Tetrahedron*, 1967, **23**, 51, 3253 (*uv, ord, config*)

Battersby, A.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 30, 31 (*biosynth*)

Moreland, C.G. *et al*, *J. Org. Chem.*, 1974, **39**, 2413 (*cmr*)

Grethe, G. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 589 (*synth*)

Soeterboek, A.M., *Int. Congr. Ser.-Excerpta Med.*, 1980, **501**, 180 (*rev*)

Kashino, S. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 310 (*cryst struct*)

Loutfy, M.A. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 483 (*rev, uv, ir, pmr, cmr, ms, anal*)

Roden, D.M. *et al*, *Pharmacol. Ther.*, 1983, **23**, 179 (*rev*)

Smith, E., *J. Chromatogr.*, 1984, **299**, 233 (*hplc*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5748.

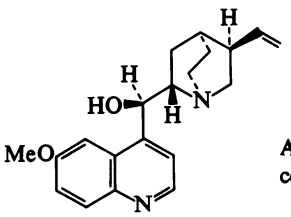
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7771, 7772, 7773, 7774, 7775.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2348.

Quinine, BAN Q-00028

(8α,9R)-*6'-Methoxycinchonan-9-ol*, *9CI*

[130-95-0]



Absolute configuration

$C_{20}H_{24}N_2O_2$ M 324.422

Alkaloid from *Cinchona officinalis* and most other *C.* spp., also in *Remijia pedunculata*. Occurs mainly in the bark (cinchona bark) but has also been isol. from trunkwood (Rubiaceae). Traditional antimalarial drug, used in tonics and bitter drinks. Esp. important in treating *Plasmodium falciparum* which is resistant to other antimalarial drugs. Activity is stereochemistry-independent, i.e. racemates and stereoisomers show similar activity. Illicit abortifacient in large doses. Stimulant for horses, has been used in horse doping. Weak cardiac depressant and antifibrillatory agent. Resolving agent for organic acids, used in asymmetric syntheses. Cryst. with v. bitter taste. Mp 177° (anhyd.). $[\alpha]_D$ −158° (−145°) (EtOH), $[\alpha]_D^{15}$ −158.7° (Et_2O). pK_{a1} 8.9, pK_{a2} 4.3. Forms a dihydrate and a trihydrate, Mp 57° (efflorescent). Triboluminescent. Blue fluor. in soln.

▷VA6020000.

B,HCl: Needles + $2H_2O$, dehydrating at 100°. Mp 158-160° (anhyd.). $[\alpha]_D^{15}$ −145.5° (EtOH).

B,2HCl: Needles. Mp 180-185°. $[\alpha]_D^{18}$ −233° (H_2O).

B,HBr: Hygroscopic needles + H_2O. Mp 200° (softens from 152°).

B,2HBr: Yellow prisms + $3H_2O$. Mp 81-82°.

2B,H_2SO_4: [804-63-7]. *Quinine sulfate*, *USAN*. *Quinanium. Quine. Quinite.* Mp 205°. $[\alpha]_D^{15}$ −235° (H_2SO_4 aq.). Forms a dihydrate and an octahydrate. Component of Quinamin.

▷VA8440000.

B,H_2SO_4: Prisms + $7H_2O$ (H_2O). $[\alpha]_D^{15}$ −164.5° (H_2O).

B,2H_2SO_4: Prisms + $7H_2O$ (H_2O), prisms + $5H_2O$ (EtOH). $[\alpha]_D^{15}$ −168.4° (H_2O).

B,2MeI: Yellow plates + $3H_2O$. Mp 167-168° dec. $[\alpha]_D^{18}$ −151° (2M H_2SO_4).

Ascorbate: [146-40-7]. *Quinine ascorbate*, *USAN*. Smoking deterrent.

Ac: Cryst. (pet. ether). Mp 116-117°. $[\alpha]_D^{15}$ −54.3° (EtOH).

Benzoyl: Prisms (Et_2O). Mp 139°. $[\alpha]_D^{17}$ +121.6° (EtOH).

10,11-Dihydro: [522-66-7]. ***Hydroquinine***. (8α,9R)-*10,11-Dihydro-6'-methoxycinchonan-9-ol*, *9CI*.

$C_{20}H_{26}N_2O_2$ M 326.438

Minor congener of Quinine found in *C.* spp., also from *R. pedunculata* (Rubiaceae). Antimalarial. Needles (Et_2O or $CHCl_3$). Mp 172° (169°). $[\alpha]_D$ −142.2° (EtOH).

10,11-Dihydro; B,HCl: Mp 235-240° (anhyd.).

10,11-Dihydro, Me ether: Mp 93°.

O-*De-Me: see Cupreine, C-00574*

9-Epimer: [572-60-1]. ***Epiquinine***. epi-*Quinine*. Minor constit. of *C.* spp. (Rubiaceae). Oil. $[\alpha]_D^{20}$ +43.3° (EtOH).

9-Epimer; B,2HCl: Cryst. (Me_2CO). Mp 196° dec. $[\alpha]_D^{21}$ +33.3° (EtOH).

Ethylcarbonate: [83-75-0]. *Quinine ethylcarbonate. Euquinine. Tasteless Quinine.*

$C_{23}H_{28}N_2O_4$ M 396.485

Antimalarial. Fine needles. Mp 90-92°. $[\alpha]_D^{20}$ −43.7°.

2-Hydroxybenzoyl: ***Saloquinine***. *Salochimin.*

$C_{27}H_{28}N_2O_4$ M 444.529

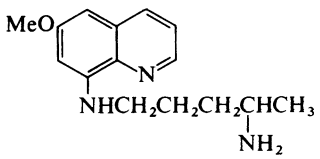
Analgesic, antipyretic. Cryst. (EtOH). Mp Mp° 140.

Woodward, R.B. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 860 (*synth*)
Lyle, G.G. *et al*, *Tetrahedron*, 1967, **23**, 51, 3253 (*config, uv, ord, pmr*)
Battersby, A.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 30, 31 (*biosynth*)
Fales, H.M. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 1590 (*ms*)
Chao, J.M. *et al*, *Anal. Chem.*, 1974, **46**, 296 (*ms*)
Moreland, C.G. *et al*, *J. Org. Chem.*, 1974, **39**, 2413 (*cmr*)
Haznagy, H. *et al*, *Pharmazie*, 1976, **31**, 713 (*ir*)
Grethe, G. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 589 (*synth*)
Hahn, F.E., *Antibiotics (N.Y.)*, 1979, **5**, 353 (*rev, pharmacol, tox*)
Imanishi, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 1551 (*synth*)
Muhtadi, F.J. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 547 (*rev, uv, ir, pmr, cmr, ms, anal*)
Hofheinz, W. *et al*, *Handbook Expl. Pharmacol.*, 1984, **68**, 61 (*rev*)
Smith, E., *J. Chromatogr.*, 1984, **299**, 233 (*hplc*)
Food Chemicals Codex, 2nd Ed., II, 690, 692 (*anal*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **8**, 430.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5747 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1390-1398.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2348-2351.

Quinocide, INN Q-00029

N′-(6-Methoxy-8-quinolinyl)-1,4-pentanediamine, 9CI. *8-[(4-Aminopentyl)amino]-6-methoxyquinoline*, 8CI. *Chinoline. Khinocyde. CN 1115*

[525-61-1]



$C_{15}H_{21}N_3O$ M 259.350

▷VA9680000.

(±)-*form*

Antimalarial drug. Mp 46°. Bp_1 183-186°.

B,HCl: Cryst. (EtOH). Mp 224-224.5°.

B,2HCl: [51050-49-8]. *Win 10448*. Orange-yellow powder, bitter-tasting. Mp 227-228°.

Bhat, B. *et al*, *Chem. Ind. (London)*, 1983, 899 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1399.

7-Quinolinecarboxylic acid, 9CI Q-00030

[1078-30-4]

$C_{10}H_7NO_2$ M 173.171

Insecticide. Needles (H_2O or EtOH). Insol. Et_2O, sol. hot, insol. cold H_2O. Mp 249-250° subl.

Me ester: [51552-68-2].

$C_{11}H_9NO_2$ M 187.198

Mp 73-76°.

Nitrile: [67360-38-7]. *7-Cyanoquinoline.*

$C_{10}H_6N_2$ M 154.171

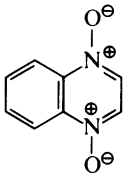
Pale brown cryst. Mp 104°.

Hirsch, J.A. *et al*, *J. Org. Chem.*, 1974, **39**, 2044.
Gunew, D.S., *Anal. Methods Pestic. Plant Growth Regul.*, 1978, **10**, 19 (*rev*)

Quinoxaline 1,4-dioxide Q-00031

Quindoxin, BAN, INN. *Grofas. ICI 8173. RD 2579*

[2423-66-7]



$C_8H_6N_2O_2$ M 162.148

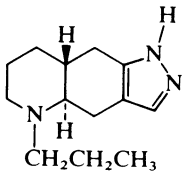
Growth promoter for pigs and poultry. Golden yellow needles (EtOH). Mp 241-243°.

▷VD2275000.

Landqvist, J.K., *J. Chem. Soc.*, 1953, 2816 (*synth*)
Tori, K. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 681 (*pmr*)
Guenther, H. *et al*, *Heterocycles*, 1978, **11**, 337 (*cmr*)
Boykin, D.W. *et al*, *J. Heterocycl. Chem.*, 1985, **22**, 981 (*O-17 nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13200.

Quinpirole, INN Q-00032

4,4a,5,6,7,8,8a,9-Octahydro-5-propyl-1H-pyrazolo[3,4-g]quinoline



(4a*R*,8a*R*)-*form*

$C_{13}H_{21}N_3$ M 219.329

(4aR,8aR)-form [80373-22-4]

trans-(−)-*form*

Antihypertensive, dopaminergic agent.

B,HCl: [85798-08-9]. *Quinpirole hydrochloride*, USAN. *LY 171555*. Cryst. (MeOH/Et_2O). Mp 280° dec. $[\alpha]_{25}$−120.6° (H_2O).

(4aRS, 8aRS)-form [74196-93-3]

trans-(±)-*form*

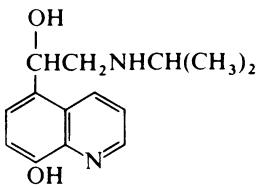
B,2HCl: [74196-94-4]. Mp 250-257°.

Bach, N.J. *et al*, *J. Med. Chem.*, 1980, **23**, 481 (*synth, pharmacol*)
Stoof, J. C. *et al*, *Nature (London)*, 1981, **294**, 366 (*pharmacol*)
Titus, R.D. *et al*, *J. Med. Chem.*, 1983, **26**, 1112 (*resoln, abs config, cryst struct*)
Whitaker, N.G.G. *et al*, *Drug Metab. Dispos.*, 1987, **15**, 107 (*metab*)

Quinterenol Q-00033

8-Hydroxy-α-[[(1-methylethyl)amino]methyl]-5-quinolinemethanol, 9CI. *8-Hydroxy-α-[(isopropylamino)-methyl]-5-quinolinemethanol*, 8CI. ***Quinprenaline, INN***

[13757-97-6]



$C_{14}H_{18}N_2O_2$ M 246.308

Bronchodilator. Yellow cryst. (EtOAc). Mp 131-133°.

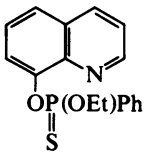
2B,H_2SO_4: [13758-23-1]. *Quinterenol sulfate, USAN. CP 10303-8.* Mp 255-265° dec.

Netherlands Pat., 6 601 980, (*1966*); *CA*, **66**, 115616k (*synth, pharmacol*)
Scriabine, A. *et al, J. Pharmacol. Exp. Ther.*, 1968, **162**, 60 (*pharmacol*)
Brittain, D.W. *et al, Adv. Drug Res.*, 1970, **5**, 197 (*rev, pharmacol*)

Quintiofos, INN, BAN Q-00034

O-Ethyl O'-quinolin-8-yl phenylphosphonothionate, 9CI. Bacdip. Oxinothiofos. Bayer 9037

[1776-83-6]



$C_{17}H_{16}NO_2PS$ M 329.353

Veterinary insecticide. Brown oil.

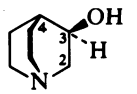
▷Mod. toxic

U.S.P., 3 284 455, (*1966*); *CA*, **62**, 10462 (*synth, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

3-Quinuclidinol, 8CI Q-00035

1-Azabicyclo[2.2.2]octan-3-ol, 9CI. 3-Hydroxyquinuclidine

[1619-34-7]



(R)-form Absolute configuration

$C_7H_{13}NO$ M 127.186

▷VD6191700.

(R)-form [25333-42-0]

Cryst. (C_6H_6). Mp 223-224°. $[\alpha]_D^{20}$ +45.3° (c, 3 in 1*N* HCl).

(S)-form

Cryst. (C_6H_6). Mp 223-224°. $[\alpha]_D^{20}$ −45.1° (c, 3.0 in 1*N* HCl).

Ac:

$C_9H_{15}NO_2$ M 169.223

Oil. $Bp_{0.19}$ °.Bp 117°. $[\alpha]_D^{20}$ +29.9° (c, 3 in EtOH).

(±)-*form* [3684-26-2]

Useful reagent for cleavage of β-keto esters. Hypertensive agent. Cryst. (Me_2CO). V. sol. H_2O. Mp 225-227° subl. (221-223°).

B,HCl: Prisms (MeOH or Me_2CO). Mp >300°.

Ac: [827-61-2]. ***Aceclidine, USAN, INN.*** *Aceclin. Glacostat. Glaucostat. Glaudin. Glaunorm. AL 304. C 162D.*

$C_9H_{15}NO_2$ M 169.223

Cholinergic agent. Liq. Bp_{11} 113-115°. n_D^{25} 1.4675.

▷VD6195000.

Ac,B,HCl: Mp 166°.

Benzoyl: [16852-81-6]. ***Benzoclidine, INN.*** *Oxilidin. Oxylidine.*

$C_{14}H_{17}NO_2$ M 231.294

Antihypertensive, sedative. Oil. $Bp_{0.3}$ 148-150°.

Benzoyl; B,HCl: [7348-26-7]. Mp 238-240°.

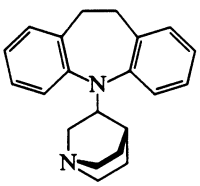
▷VD6250000.

Sternbach, L.H. *et al, J. Am. Chem. Soc.*, 1952, **74**, 2215 (*synth*)
Grob, C.A. *et al, Helv. Chim. Acta*, 1957, **40**, 2170 (*synth, derivs*)
Aaron, H.S. *et al, J. Org. Chem.*, 1965, **30**, 1331 (*synth*)
Nogrady, T. *et al, J. Med. Chem.*, 1968, **11**, 212 (*pharmacol, deriv*)
Albanus, L., *Arch. Pharmacol. Toxicol.*, 1970, **28**, 305 (*deriv, pharmacol*)
Kostyanovsky, R.G. *et al, Org. Mass Spectrom.*, 1970, **3**, 1023 (*ms*)
Baker, R.W. *et al, J. Chem. Soc., Perkin Trans. 2*, 1972, 2340 (*cryst struct, abs config*)
Lambrecht, G., *Arch. Pharm.* (*Weinheim, Ger.*), 1976, **309**, 235 (*resoln*)
Lambrecht, G., *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 46 (*deriv, pharmacol*)
Becker, K.B. *et al, Helv. Chim. Acta*, 1978, **61**, 2596 (*cmr*)
Ringdahl, B. *et al, CA*, 1980, **92**, 41726j (*resoln*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 501.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4503, 4012.

Quinupramine, INN Q-00036

5-(1-Azabicyclo[2.2.2]oct-3-yl)-10,11-dihydro-5H-dibenzo[b,f]azepine, 9CI. 10,11-Dihydro-5-(3-quinuclidinyl)-5H-dibenz[b,f]azepine. Adeprim. Kevopril. Kinupril. Quinuprine. LM 208

[31721-17-2]



$C_{21}H_{24}N_2$ M 304.434

(±)-*form*

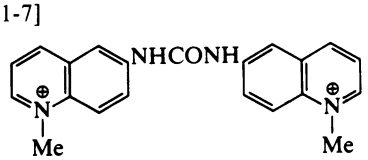
Antidepressant. Mp 150°.

Ger. Pat., 2 030 492, (*1971*); *CA*, **74**, 141581 (*synth, pharmacol*)
Van Dorsser, W. *et al, Arch. Int. Pharmacodyn. Ther.*, 1974, **208**, 373 (*pharmacol*)
Neuman, M., *Drugs of Today*, 1980, **16**, 119 (*rev*)
Reboul, J.P. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 2633 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13204.

Quinuronium(2+) Q-00037

6,6'-(Carbonyldiimino)bis(1-methylquinolinium), 9CI. 6,6'-Ureylenebis[1-methylquinolinium], 8CI

[14910-31-7]



$C_{21}H_{20}N_4O^{\oplus\oplus}$ M 344.415 (ion)

Veterinary antiprotozoal agent.

Disulfate: [135-14-8]. *Quinuronium sulfate. Acaprin. Atral. Baburan. Ludobal. Pirevan. Zothelone. SN 5870. Other proprietary names.*

$C_{23}H_{26}N_4O_9S_2$ M 566.600

Yellow cryst. (MeOH). Dec. at 237°.

▷VC4022500.

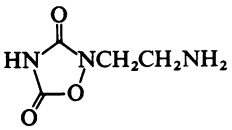
Reuter, F.H., *CA*, 1949, **43**, 7025 (*synth*)
B.P., 1 001 350, (*1965*); *CA*, **63**, 18053 (*salts*)
Eyre, P., *J. Pharm. Pharmacol.*, 1967, **19**, 509 (*pharmacol*)

Eyre, P., *Br. J. Pharmacol. Chemother.*, 1968, **32**, 624 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13205.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6082.

Quisqualamine Q-00038

2-(2-Aminoethyl)-1,2,4-oxadiazolidine-3,5-dione, 9CI

[68373-11-5]



$C_4H_7N_3O_3$ M 145.118

GABA-related depressant. Mp 194° (188-190°).

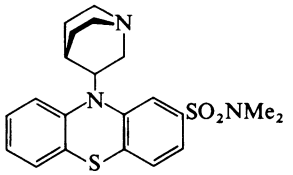
B,HBr: Grey powder. Mp 215°.

Evans, R.H. *et al*, *J. Pharm. Pharmacol.*, 1978, **30**, 364 (*synth*)
Dugenet, P. *et al*, *Synthesis*, 1982, 781 (*synth, pmr, cmr*)

Quisultazine, INN Q-00039

10-(1-Azabicyclo[2.2.2]oct-3-yl)-N,N-dimethyl-10H-phenothiazine-2-sulfonamide, 9CI. N,N-*Dimethyl-10-(3-quinuclidinyl)-2-phenothiazinesulfonamide. Quisultidine. LM 24056*

[64099-44-1]



$C_{21}H_{25}N_3O_2S_2$ M 415.567

(±)-*form*

Pentagastrin inhibitor, antithrombic agent. Cryst. (Me_2CO). Mp 156°.

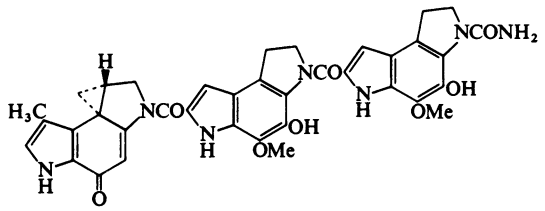
Belg. Pat., 844 520, (*1976*); *CA*, **87**, 135367s (*synth, pharmacol*)
Mizoule, J. *et al*, *Life Sci.*, 1982, **31**, 1473 (*pharmacol*)
Vatier, J. *et al*, *Agents Action*, 1986, **19**, 174 (*pharmacol*)

R

Rachelmycin **R-00001**

CC 1065. NSC 298223. Antibiotic CC 1065. 106/78. ML 1065

[69866-21-3]



$C_{37}H_{33}N_7O_8$ M 703.710

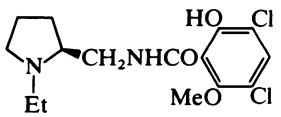
Obt. from *Streptomyces zelensis* and *S. canulus*. Antitumour agent, active against gram-positive and -negative bacteria and yeasts. Clustered needles or amorph. amber-coloured foam. λ_{max} 236 (sh), 258 (sh) and 364 (end absorption) nm.

▷Toxic. DF4936780.

Hanka, L.J. *et al*, *J. Antibiot.*, 1978, **31**, 1211 (*isol*)
Martin, D.G. *et al*, *J. Antibiot.*, 1980, **33**, 902 (*struct*)
Chidester, C.G. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 7629 (*cryst struct*)
Martin, D.G. *et al*, *J. Antibiot.*, 1981, **34**, 1119 (*isol*)
Sundberg, R.I. *et al*, *J. Org. Chem.*, 1985, **50**, 425 (*bibl*)
Reynolds, V.L. *et al*, *J. Antibiot.*, 1986, **39**, 319 (*rev*)
Bolton, R.E. *et al*, *Tetrahedron Lett.*, 1987, **28**, 3163 (*synth, bibl*)
Watt, W. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1675 (*cryst struct*)

Raclopride, BAN, INN **R-00002**

3,5-Dichloro-N-(1-ethylpyrrolidin-2-ylmethyl)-6-methoxysalicylamide. 3,5-Dichloro-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-hydroxy-6-methoxybenzamide. N-Ethyl-2-(3,5-dichloro-6-hydroxy-2-methoxybenzamidomethyl)pyrrolidine



(*S*)-*form*

$C_{15}H_{20}Cl_2N_2O_3$ M 347.241

(*S*)-*form* [84225-95-6]

FLA 870

Antipsychotic agent, dopamine antagonist. Cryst. (isoctane). Mp 48-49°. $[\alpha]_D^{25}$ −64° (c, 1.26 in $CHCl_3$).

Tartrate (1:1): [98185-20-7]. *Raclopride tartrate, USAN. A 40664.* Cryst. (EtOH). Mp 142-143°. $[\alpha]_D^{20}$ −64° (c, 2 in Me_2CO).

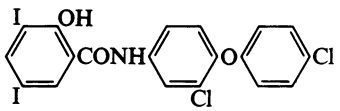
B,H₃PO₄: Cryst. (EtOH). Mp 148-149°.

Eur. Pat., 60 235, (*1982*); *CA*, **98**, 53687j (*synth*)
Koehler, C. *et al*, *Biochem. Pharmacol.*, 1985, **34**, 2251 (*pharmacol*)
De Paulis, T. *et al*, *J. Med. Chem.*, 1986, **29**, 61 (*synth, isomers, cmr*)
Ehrin, E. *et al*, *J. Labelled Compd. Radiopharm.*, 1987, **24**, 931 (*synth*)
Hoegberg, T. *et al*, *J. Pharm. Pharmacol.*, 1987, **39**, 787 (*cryst struct, pharmacol*)

Rafoxanide, BAN, USAN, INN **R-00003**

N-[3-Chloro-4-(4-chlorophenoxy)phenyl]-2-hydroxy-3,5-diiodobenzamide, 9CI. 3'-Chloro-4'-(p-chlorophenoxy)-3,5-diiodosalicylanilide, 8CI. Disalan. Flukanide. Ranide. Raniden. Ursovermit. MK 990

[22662-39-1]



$C_{19}H_{11}Cl_2I_2NO_3$ M 626.016

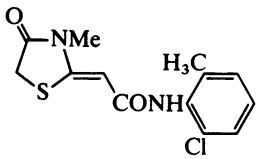
Veterinary fasciolicide, anthelmintic. Sol. Me_2CO. Mp 168-170°. Component of Ranizole.

▷VN7870000.

Mrozik, H. *et al*, *Experientia*, 1969, **25**, 883 (*synth, pharmacol*)
Brown, W.R. *et al*, *Toxicol. Appl. Pharmacol.*, 1972, **21**, 532 (*tox*)
Caillier, R.L. *et al*, *Rev. Med. Vet.*, 1973, **124**, 789 (*Ranizole*)
U.S.P., 3 914 418, (*1975*); *CA*, **84**, 30707u (*synth, pharmacol*)
Sindt, A.C. *et al*, *Aust. J. Chem.*, 1980, **33**, 203 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13206.

Ralitoline, INN **R-00004**

N-(2-Chloro-6-methylphenyl)-2-(3-methyl-4-oxo-2-thiazolidinylidene)acetamide, 9CI. CI 946. Gö 4942. PD 117818



(*Z*)-*form*

$C_{13}H_{13}ClN_2O_2S$ M 296.771

(*Z*)-*form* [93738-40-0]

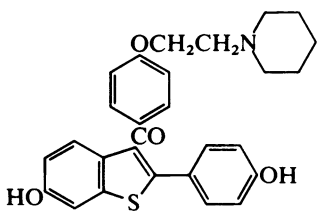
Anticonvulsant. Cryst. (EtOH). Mp 244-245°.

Ger. Pat., 3 317 000, (*1984*); *CA*, **102**, 113476 (*synth*)
Bartoszyk, G.D. *et al*, *Curr. Probl. Epilepsy*, 1986, **4**, 309 (*rev*)

Raloxifene, INN **R-00005**

[6-Hydroxy-2-(4-hydroxyphenyl)benzo[b]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]methanone, 9CI. Keoxifen

[84449-90-1]



$C_{28}H_{27}NO_4S$ M 473.586

Antioestrogen. Cryst. (Me_2CO). Mp 143-147°.

B,HCl: [82640-04-8]. *LY 156758.* Cryst. (MeOH aq.). Mp 258°.

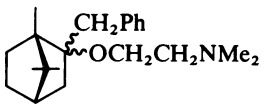
Wakeling, A.E. *et al*, *J. Endocrinol.*, 1983, **99**, 455 (*pharmacol*)
Jones, C.D. *et al*, *J. Med. Chem.*, 1984, **27**, 1057 (*synth, pharmacol*)

Lindstrom, T.D. *et al*, *Xenobiotica*, 1984, **14**, 841 (*metab*)
Wakeling, A.E. *et al*, *J. Steroid Biochem.*, 1984, **20**, 111 (*pharmacol*)

Ramciclane, INN **R-00006**

N,N-*Dimethyl-2-[[1,7,7-trimethyl-2-(phenylmethyl)-bicyclo[2.2.1]hept-2-yl]oxy]ethanamine*, *9CI. E 3702*

[96743-96-3]

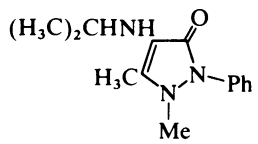


$C_{21}H_{33}NO$ M 315.498
Tranquilliser.
Darvas, F. *et al*, *Pharmacochem. Libr.*, 1985, **8**, 199 (*pharmacol*)

Ramifenazone, INN **R-00007**

1,2-Dihydro-1,5-dimethyl-4-[(1-methylethyl)amino]-2-phenyl-3H-pyrazol-3-one, *9CI. 4-(Isopropylamino)-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one. Isopirina. Isopropylaminophenazone. Isopyrin*

[3615-24-5]

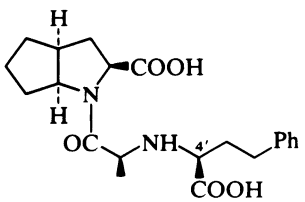


$C_{14}H_{19}N_3O$ M 245.324
Analgesic, antipyretic, antiinflammatory agent. Cryst. (Me_2CO/AcOH). Mp 80°.
▷CD2975000.
Banci, F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1665 (*synth, pharmacol*)
Beyer, K.H. *et al*, *Dtsch. Apoth.-Ztg.*, 1983, **123**, 1527 (*metab*)
Marciniec, B., *Pharmazie*, 1985, **40**, 110 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2660.

Ramiprilat, INN **R-00008**

1-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]octahydrocyclopenta[b]pyrrole-2-carboxylic acid, *9CI*

[87269-97-4]

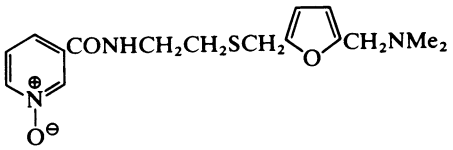


$C_{21}H_{28}N_2O_5$ M 388.463
Antihypertensive agent, angiotensin converting enzyme inhibitor.
4'-Ethyl ester: [87333-19-5]. *1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-octahydrocyclopenta[b]pyrrole-2-carboxylic acid*, *9CI*. ***Ramipril, INN***. *Hoe 498*.
$C_{23}H_{32}N_2O_5$ M 416.516
Antihypertensive agent, ACE inhibitor. Felty needles. Mp 109°. $[\alpha]_D^{24}$ +33.2° (c, 1 in 0.1M EtOH/HCl).
Eur. Pat., 79 022, (*1983*); *CA*, **100**, 52012 (*synth*)
Metzger, H. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1399 (*synth, pharmacol, tox, ester*)
Becker, R.H.A. *et al*, *Am. J. Cardiol.*, 1987, **59**, 3D, 18D, 23D (*revs, Ramipril*)
Paulus, E.F. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 941 (*cryst struct*)

Ramixotidine, INN **R-00009**

N-*[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]-methyl]thio]ethyl]-3-pyridinecarboxamide 1-oxide*, *9CI. CM 57862*

[84071-15-8]

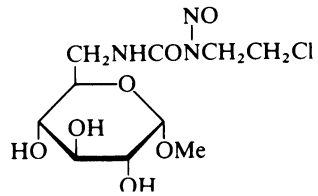


$C_{16}H_{21}N_3O_3S$ M 335.420
Histamine H_2-receptor antagonist. Gastric secretion inhibitor. Cryst. (EtOAc). Mp 76-78°.
B,2HCl: [84071-17-0]. *Esefil. CM 57755*. Cryst. (EtOH aq.). Mp 160-162°.
Oxalate (1:1): [84071-16-9]. *CM 57874*. Cryst. (EtOH aq.). Mp 105-107°.
Eur. Pat., 60 182, (*1982*); *CA*, **98**, 34508 (*synth*)
Necciari, J. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1985, **5**, 457 (*pharmacol*)
Lavezzo, A. *et al*, *J. Pharm. Pharmacol.*, 1986, **38**, 853 (*pharmacol*)
Wilson, J.A. *et al*, *Eur. J. Clin. Pharmacol.*, 1986, **30**, 33 (*pharmacol*)

Ranimustine, INN **R-00010**

Methyl 6-[[[(2-chloroethyl)nitrosoamino]carbonyl]-amino]-6-deoxy-α-D-glucopyranoside, *9CI. MCNU*

[58994-96-0]

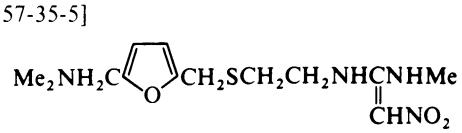


$C_{10}H_{18}ClN_3O_7$ M 327.721
Antineoplastic agent. Pale-yellow needles. Mp 111-112° dec. $[\alpha]_D^{20}$ +93.2° (c, 0.5 in MeOH).
Ger. Pat., 2 805 185, (*1978*); *CA*, **90**, 6664 (*synth*)
Sekido, S. *et al*, *Cancer Treat. Rep.*, 1979, **63**, 961 (*pharmacol*)
Fujimoto, S. *et al*, *Gann.*, 1984, **75**, 937 (*pharmacol, tox*)

Ranitidine, BAN, USAN, INN, JAN **R-00011**

N-*[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]-methyl]thio]ethyl]-N'-methyl-2-nitro-1,1-ethenediamine*, *9CI. Numerous proprietary names*

[66357-35-5]

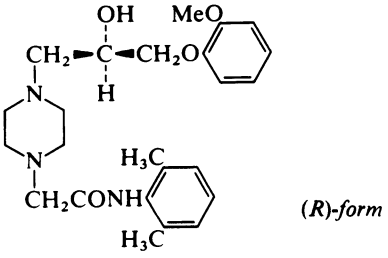


$C_{13}H_{22}N_4O_3S$ M 314.402
Antiulcer agent; histamine H_2-receptor antagonist. Mp 69-70°.
▷KM6557000.
B,HCl: [71130-06-8]. *Zantac. AH 19065*. Mp 133-134°.
Ger. Pat., 2 734 070, (*1978*); *CA*, **88**, 190580b (*synth, pharmacol*)

Brogden, R.N. *et al*, *Drugs*, 1982, **24**, 267 (*rev, pharmacol*)
Kojic-Prodic, B. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 1837 (*cryst struct*)
Riley, A.J. *et al*, Eds., *Curr. Clin. Practice Ser., No. 1: Ranitidine*, Excerpta Medica, Amsterdam, 1982 (*book*)
Daly, M.J. *et al*, *Prog. Med. Chem.*, 1983, **20**, 337 (*rev, pharmacol*)
Gaginella, T.S. *et al*, *Drug Intell. Clin. Pharm.*, 1983, **17**, 873 (*rev, pharmacol*)
Cholerton, T.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1984, 1761 (*uv, ir, pmr, struct*)
Hohnjec, M. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 533 (*rev, synth, anal, metab*)
Geraldes, C.F. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 203 (*pmr, cmr*)
Kirch, W., *Pharmacol. Ther.*, 1987, **33**, 129 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2946.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3777, 6162.

Ranolazine, INN R-00012

N-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)propyl]-1-piperazineacetamide, *9CI*



(R)-form

$C_{24}H_{33}N_3O_4$ M 427.542

(R)-form

B,2HCl: Mp 220-222°. $[\alpha]_D^{25}$ +9.84° (MeOH).

(S)-form

B,2HCl: Mp 226-230°. $[\alpha]_D^{25}$ −10.3° (MeOH).

(±)-form [95635-55-5]

Antianginal, calcium regulator. Oil.

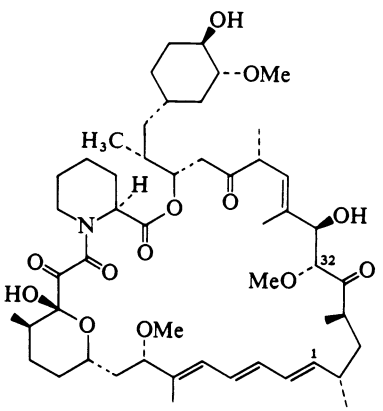
B,2HCl: [95635-56-6]. *RS 43285.* Mp 224-225° (hemihydrate).

Eur. Pat., 126 449, (*1984*); *CA*, **102**, 166777 (*synth, pharmacol*)
Delee, E. *et al*, *Chromatographia*, 1987, **24**, 357 (*hplc, resoln*)

Rapamycin R-00013

Antibiotic AY 22989. AY 22989

[53123-88-9]



$C_{51}H_{79}NO_{13}$ M 914.184

Polyene-type antibiotic. Isol. from *Streptomyces hygroscopicus*. Antifungal agent. Cryst. (Et_2O). Mp 183-185°. $[\alpha]_D^{25}$ −58.2° (MeOH).

▷VE6250000.

32-Demethoxy: [83482-58-0]. ***Demethoxyrapamycin***. *AY 24668. Antibiotic AY 24668.*

$C_{50}H_{77}NO_{12}$ M 884.158

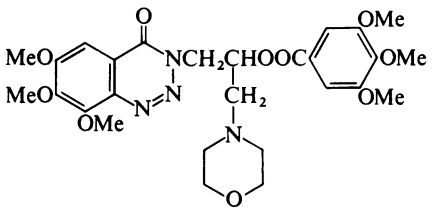
From *S. hygroscopicus*. Antifungal agent with v. slight antitumour activity. Cryst. (Et_2O). Mp 122-124°. $[\alpha]_D^{25}$ −124.4° (MeOH).

U.S.P., 3 993 749, (*1972*); *CA*, **86**, 41806 (*synth, ir, pmr*)
Vézina, C. *et al*, *J. Antibiot.*, 1975, **28**, 721; 1983, **36**, 351 (*isol*)
Baker, H. *et al*, *J. Antibiot.*, 1978, **31**, 539; 1979, **32**, 630 (*pharmacol*)
Swindells, D.C.N. *et al*, *Can. J. Chem.*, 1978, **56**, 2491 (*cryst struct*)
Findlay, J.A. *et al*, *Can. J. Chem.*, 1982, **60**, 2046 (*uv, ir, pmr, cmr, ms, cd*)
U.S.P., 4 375 464, (*1983*); *CA*, **98**, 177506 (*isol*)

Razinodil, INN R-00014

1-(4-Morpholinylmethyl)-2-(6,7,8-trimethoxy-4-oxo-1,2,3-benzotriazin-3(4H)-yl)ethyl 3,4,5-trimethoxybenzoate, *9CI*. *3-(2-Hydroxy-3-morpholinopropyl)-6,7,8-trimethoxy-1,2,3-benzotriazin-4(3H)-one 3,4,5-trimethoxybenzoate. CAS 7709*

[30271-85-3]



$C_{27}H_{34}N_4O_{10}$ M 574.586

(±)-form

Coronary vasodilator, antianginal agent. Cryst. (EtOAc). Mp 142-144°.

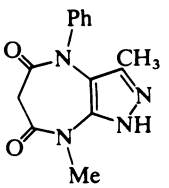
B,HCl: [30271-90-0].

Ger. Pat., 1 926 075, (*1969*); *CA*, **74**, 42391m (*synth, pharmacol*)

Razobazam, INN R-00015

4,8-Dihydro-3,8-dimethyl-4-phenylpyrazolo[3,4-b][1,4]diazepine-5,7(1H,6H)-dione, *9CI*. *Hoe 175. HR 175*

[78466-98-5]



$C_{14}H_{14}N_4O_2$ M 270.290

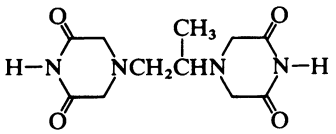
Nootropic. Cognition enhancer. Mp 262°.

Eur. Pat., 24 038, (*1981*); *CA*, **95**, 81034 (*synth*)
Hock, F.J. *et al*, *Psychopharmacology (Berlin)*, 1985, **86**, 114 (*pharmacol*)

Razoxane, BAN, INN **R-00016**

4,4'-(1-Methyl-1,2-ethanediyl)bis-2,6-piperazinedione, 9CI. 4,4'-Propylenedi-2,6-piperazinedione, 8CI. Razoxin. Tepiron. Troxozone. ICI 59118. ICRF 159. NSC 129943. TIMP

[21416-67-1]



$C_{11}H_{16}N_4O_4$ M 268.272

▷TL6389900.

(±)-form [21416-87-5]

Antineoplastic drug. Mp 233-234°.

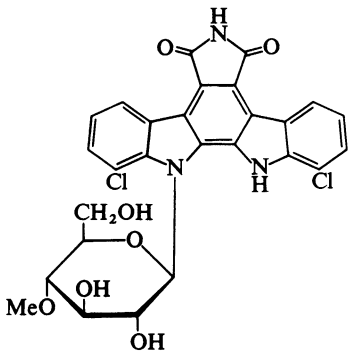
▷TL6400000.

Creighton, A.M. *et al*, *Nature (London)*, 1969, **222**, 384
Ger. Pat., 1 941 564, (*1970*); *CA*, **72**, 121579r (*synth, pharmacol*)
Repta, A.J. *et al*, *J. Pharm. Sci.*, 1976, **65**, 238.
Hempel, A. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3453 (*cryst struct, bibl*)
Herman, E.H. *et al*, *Adv. Pharmacol. Chemother.*, 1982, **19**, 249 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1861.

Rebeccamycin **R-00017**

1,11-Dichloro-12,13-dihydro-12-(4-O-methyl-β-D-glucopyranosyl)-5H-indolo[2,3-a]pyrrolo[3,4-c]carbazole-5,7(6H)-dione, 9CI

[93908-02-2]



$C_{27}H_{21}Cl_2N_3O_7$ M 570.385

Nucleoside-related antibiotic. Isol. from *Nocardia aerocolonigenes*. Antitumour agent. Yellow solid. Mp 326-330° dec. $[\alpha]_D^{21}$ +131° (THF).

11-Dechloro: [97938-09-5]. ***11-Deschlororebeccamycin***. $C_{27}H_{22}ClN_3O_7$ M 535.940

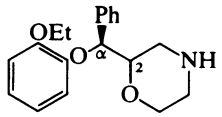
From *N. aerocolonigenes*. Active against gram-positive and -negative bacteria and tumours. Yellow solid.

Nettleton, D.E. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4011 (*isol, struct, props*)
Kaneko, T. *et al*, *Tetrahedron Lett.*, 1985, **26**, 4015 (*synth*)
U.S.P., 4 524 154, (*1985*); *CA*, **103**, 159104 (*deriv*)
Bush, J.A. *et al*, *J. Antibiot.*, 1987, **40**, 668 (*manuf, props, bibl*)

Reboxetine, INN **R-00018**

2-[(2-Ethoxyphenoxy)phenyl]methyl]morpholine, 9CI

[93851-86-6]



(2*S*,α*S*)-*form*

$C_{19}H_{23}NO_3$ M 313.396

(2*S*,α*S*)-form [98819-76-2]

B,MeSO$_3$H: [98819-77-3]. Cryst. Mp 100-102°. $[\alpha]_D^{20}$ +21.89° (c, 1 in EtOH).

(2*RS*,α*RS*)-form [98769-81-4]

FCE 20124

Antidepressant.

B,MeSO$_3$H: [98769-82-5]. Mp 145-146°.

(2*RS*,α*SR*)-form

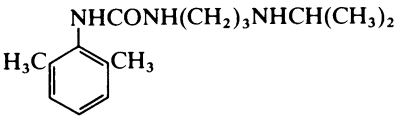
B,MeSO$_3$H: [98769-84-7]. Mp 156-157°.

Melloni, P. *et al*, *Eur. J. Med. Chem.*, 1984, **19**, 235 (*synth, pharmacol*)
Melloni, P. *et al*, *Tetrahedron*, 1985, **41**, 1393 (*synth, config*)
Ger. Pat., 2 540 093, (*1986*); *CA*, **105**, 191107 (*synth, resoln, pharmacol*)

Recainam, BAN, INN **R-00019**

N-(*2,6-Dimethylphenyl*)-N'-[*3-[(1-methylethyl)amino]propyl*]*urea, 9CI. 1-[3-(Isopropylamino)propyl]-3-(2,6-xylyl)urea. Wy 42362*

[74738-24-2]



$C_{15}H_{25}N_3O$ M 263.382

Antiarrhythmic agent.

B,HCl: [74752-07-1]. *Recainam hydrochloride, USAN.* Cryst. (EtOH/Et_2O). Mp 162-164°.

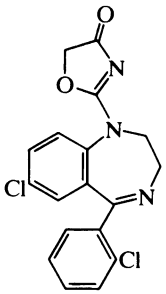
p-*Toluenesulfonate salt:* [74752-08-2]. *Recainam tosylate, USAN.* Cryst. (EtOH). Mp 152-155°.

B.P., 2 025 406, (*1980*); *CA*, **93**, 114171g (*synth*)
Bergey, J.L. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1258 (*pharmacol*)
Badia, A., *Drugs Future*, 1984, **9**, 38 (*rev*)
Anderson, J.L. *et al*, *Am. J. Cardiol.*, 1987, **60**, 281 (*pharmacol*)
Colatsky, T.J. *et al*, *J. Cardiovasc. Pharmacol.*, 1988, **11**, 308 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1515.

Reclazepam, INN, USAN **R-00020**

2-[7-Chloro-5-(2-chlorophenyl)-2,3-dihydro-1H-1,4-benzodiazepin-1-yl]-4(5H)-oxazolone, 9CI. SC 33963

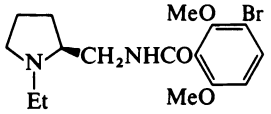
[76053-16-2]



$C_{18}H_{13}Cl_2N_3O_2$ M 374.226

Sedative. Light yellow solid. Mp 224-228°.
U.S.P., 4 208 327, (*1980*); *CA*, **94**, 30804 (*synth, pharmacol*)

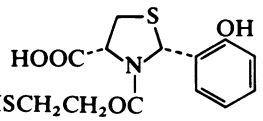
Remoxipride, INN, USAN **R-00021**
3-Bromo-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2,6-dimethoxybenzamide, 9CI. A 33547. FLA 731
[82935-42-0]



$C_{16}H_{23}BrN_2O_3$ M 371.273

(S)-form [80125-14-0]
Dopamine-receptor blocking agent. Antipsychotic agent.
B,HCl: [73220-03-8]. Mp 168-169°. $[\alpha]_D^{20}$ −11.1° (c, 0.5 in H_2O).
Florvall, L. *et al*, *J. Med. Chem.*, 1982, **25**, 1280 (*synth, tox, pharmacol*)
Oegren, S.O. *et al*, *Eur. J. Pharmacol.*, 1984, **102**, 459 (*pharmacol*)
Hoegberg, T. *et al*, *Mol. Pharmacol.*, 1986, **30**, 345 (*cryst struct, pharmacol*)
Stensland, B. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 2393 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 497.

Rentiapril, INN **R-00022**
2-(2-Hydroxyphenyl)-3-(3-mercapto-1-oxopropyl)-4-thiazolidinecarboxylic acid, 9CI. Fentiapril
[72679-47-1]



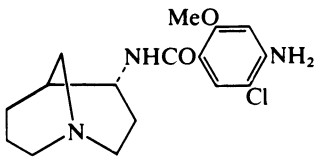
(2R,4R)-form

$C_{13}H_{15}NO_4S_2$ M 313.386

(2R,4R)-form [80830-42-8]
DE 040. SA 446
Angiotensin-converting enzyme inhibitor. Antihypertensive agent. Cryst. (EtOAc). Mp 146-148° dec. $[\alpha]_D^{26}$ +176.8° (c, 1 in MeOH).
O,S-*Diacetyl:* Cryst. (EtOAc/C_6H_6). Mp 144-145°. $[\alpha]_D^{22}$ +109° (c, 1 in MeOH).

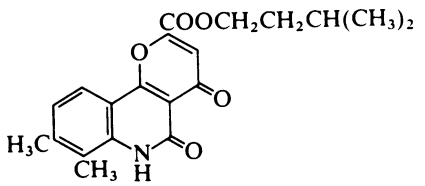
(2S,4R)-form [82562-53-6]
Cryst. (EtOAc/C_6H_6). Mp 115-117° dec. $[\alpha]_D^{25}$ −328.0° (c, 0.3 in MeOH).
O,S-*Diacetyl:* Cryst. (EtOAc). Mp 156-159°. $[\alpha]_D^{25}$ −237.8° (c, 0.5 in MeOH).
Oya, M. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 440, 484, 2705 (*synth, abs config, cryst struct, ms*)
Shimada, K. *et al*, *J. Pharm. Sci.*, 1984, **73**, 119 (*hplc*)
In, Y. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 473 (*cryst struct, conformn*)
Yamauchi, H. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 157 (*pharmacol*)

Renzapride, BAN, INN **R-00023**
4-Amino-N-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxybenzamide
[112727-80-7]



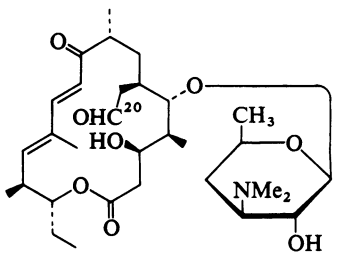
$C_{16}H_{22}ClN_3O_2$ M 323.822
Increases gastrointestinal motility. Mp >260° dec.
B,HCl: [109872-41-5]. *BRL 24924A.* Mp 226-233° (as hydrate).
Eur. Pat., 94 742, (*1983*); *CA*, **100**, 68166 (*synth*)
Eur. Pat., 239 321, (*1987*); *CA*, **108**, 75227 (*synth, hydrate*)
Sanger, G.J., *Br. J. Pharmacol.*, 1987, **91**, 77 (*pharmacol*)
Hawthorn, J. *et al*, *Q.J. Exp. Physiol.*, 1988, **73**, 7 (*pharmacol*)

Repirinast, INN **R-00024**
5,6-Dihydro-7,8-dimethyl-4,5-dioxo-4H-pyrano[3,2-c]-quinoline-2-carboxylic acid 3-methylbutyl ester. MY 5116
[73080-51-0]



$C_{20}H_{21}NO_5$ M 355.390
Antiallergic, antiasthmatic agent. Cryst. ($CHCl_3$/hexane). Mp 236-241°.
Morinaka, Y. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 251 (*synth, pharmacol*)
Nagase, M. *et al*, *CA*, 1986, **105**, 108121, 108122, 108123 (*tox*)
Takahashi, K. *et al*, *Oyo Yakuri*, 1986, **32**, 233 (*pharmacol*)

Repromicin, USAN, INN **R-00025**
12,13-Deepoxy-12,13-didehydro-4'-deoxycirramycin A_1, 9CI. M 4365G_2. Sch 16524. Antibiotic M 4365G_2. Antibiotic Sch 16524
[56689-42-0]



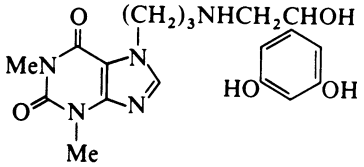
$C_{31}H_{51}NO_8$ M 565.746
Macrolide antibiotic. Isol. from *Micromonospora capillata*. Active against gram-positive bacteria. Amorph. powder. Mp 106-110°. $[\alpha]_D^{26}$ −16° (c, 0.33 in MeOH).
20-Deoxo: [59227-83-7]. ***Antibiotic M 4365G_1.*** *M 4365G_1.*
$C_{31}H_{53}NO_7$ M 551.762
From *M. capillata*. Active against gram-positive bacteria. Amorph. powder. Mp 86-90°. $[\alpha]_D^{26}$ −5° (c, 0.1 in MeOH).

Furumai, T. *et al, J. Antibiot.*, 1977, **30**, 443 (*isol, struct*)
Kinumaki, A. *et al, J. Antibiot.*, 1977, **30**, 450 (*struct*)
Yamaguchi, T. *et al, J. Antibiot.*, 1977, **30**, 433 (*props*)
Ganguly, A.K. *et al, J. Chem. Soc., Chem. Commun.*, 1983, 1166 (*synth*)

Reproterol, BAN, INN R-00026

7-[3-[[2-(3,5-Dihydroxyphenyl)-2-hydroxyethyl]-amino]propyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-[3-[(β,3,5-Trihydroxyphenethyl)-amino]propyl]theophylline, 8CI

[54063-54-6]



$C_{18}H_{23}N_5O_5$ M 389.410

Bronchodilator.

▷XH5098950.

B,HCl: [13055-82-8]. *Reproterol hydrochloride, USAN. Bronchodil. Bronchospasmin. Other proprietary names.* Cryst. Mp 249-250°.

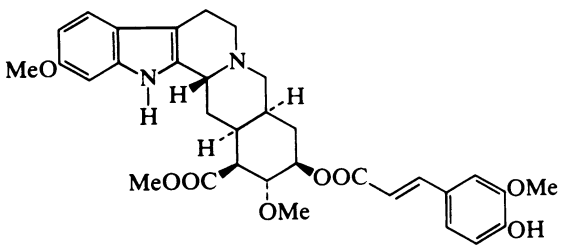
▷XH5099000.

Fr. Pat., M5 969, (*1970*); *CA*, **78**, 72216h (*synth, pharmacol*)
Klinger, K.H. *et al, Arzneim.-Forsch.*, 1977, **27**, 4, 14, 37, 45 (*synth, pharmacol, tox*)
Niebch, G. *et al, Arzneim.-Forsch.*, 1978, **28**, 765 (*metab*)
Marmo, E., *Clin. Ter.* (*Rome*), 1981, **98**, 481 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4921.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2101.

Rescimetol, INN, JAN R-00027

18-[[3-(4-Hydroxy-3-methoxyphenyl)-1-oxo-2-propenyl]oxy]-11,17-dimethoxyyohimban-16-carboxylic acid methyl ester, 9CI. Methyl O-(4-hydroxy-3-methoxycinnamoyl)reserpate. Toscarna. CD 3400

[73573-42-9]



$C_{33}H_{38}N_2O_8$ M 590.672

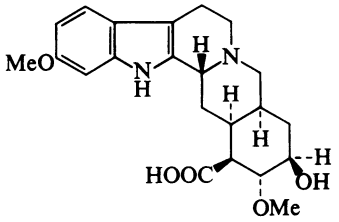
Antihypertensive agent. Needles (MeOH/C_6H_6). Mp 260-262° dec.

Kametani, T. *et al, J. Med. Chem.*, 1972, **15**, 686 (*synth, activity*)
Ger. Pat., 2 221 123, (*1973*); *CA*, **79**, 5487e (*synth*)
Kametani, T. *et al, J. Chem. Soc., Perkin Trans. 1*, 1975, **10**, 932 (*synth, ms*)
Kato, H. *et al, Jpn. J. Pharmacol.*, 1977, **27**, 87 (*activity*)
Fujimoto, Y., *CA*, 1980, **93**, 125349x (*pharmacol*)
Matsuda, H., *CA*, 1981, **95**, 215016g (*pharmacol*)

Reserpic acid R-00028

(3β,16β,17α,18β,20α)-18-Hydroxy-11,17-dimethoxyo-himban-16-carboxylic acid, 9CI. Reserpinolic acid

[83-60-3]



Absolute configuration

$C_{22}H_{28}N_2O_5$ M 400.474

Alkaloid from *Rauwolfia vomitoria*, hydrol. prod. of several ester alkaloids. Only recently isol. in unesterified form (Apocynaceae). Mp 241-243°.

Me ester: [2901-66-8]. ***Methyl reserpate***.
$C_{23}H_{30}N_2O_5$ M 414.500
Alkaloid from *R. serpentina, R. amsoniaefolia, R. macrophylla* and *R. vomitoria* (Apocynaceae). Mp 244-245°. $[\alpha]_D$ −101° (c, 0.5 in $CHCl_3$).

▷ZF9890000.

Me ester, 3,4,5-trimethoxybenzoyl: see Reserpine, R-00029

O-*(3,4,5-Trimethoxycinnamoyl), Me ester:* [84-34-4]. ***Rescinnamine, BAN, INN***. *Reserpinine. Anaprel. Apoterin. Cinnaloid. Rescaloid. Moderil. Scinnamina. Numerous proprietary names.*
$C_{35}H_{42}N_2O_9$ M 634.725
Alkaloid from *R. vomitoria, R. caffra, R. cumminsii, R. macrophylla, R. oreogiton, R. volkensii, R. mombasiana* and many other *R.* spp. (Apocynaceae). Antihypertensive and tranquilliser. Cryst. (Me_2CO aq.). Mp 238-239° (in vacuo). $[\alpha]_D^{17}$ −99° (c, 1.3 in $CHCl_3$).

O-*(3,4,5-Trimethoxycinnamoyl), O17-de-Me, Me ester:* ***Rescidine***.
$C_{34}H_{40}N_2O_9$ M 620.698
Alkaloid from *R. vomitoria* (Apocynaceae). Needles (MeOH). Mp 183-186° dec. $[\alpha]_D$ −63.4° (c, 1 in $CHCl_3$).

O-*(3-Methoxy-4,5-methylenedioxybenzoyl), Me ester:* [23924-95-0]. ***Veneserpine***.
$C_{32}H_{36}N_2O_9$ M 592.644
Alkaloid from *Alstonia venenata* stem bark (Apocynaceae). Mp 249-250° dec. $[\alpha]_D$ −100° ($CHCl_3$). pK_a 6.10.

O-*(3,4,5-Trimethoxyphenethyl), Me ester:* ***Rescinnamidine***.
$C_{35}H_{44}N_2O_9$ M 636.741
Alkaloid from roots of *R. serpentina*. Yellow needles ($CHCl_3/Et_2O$). Mp 260-261°. $[\alpha]_D^{20}$ +207° ($CHCl_3$).

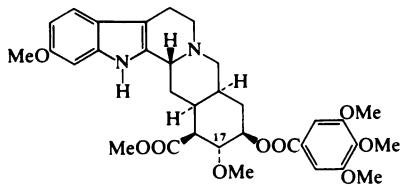
Me ester, 4-ethoxycarbonyloxy-3,5-dimethoxybenzoyl: see Syrosingopine, S-00287

Furlenmeyer, A. *et al, Experientia*, 1953, **9**, 331 (*uv, ir, ester*)
Klohs, M.W. *et al, J. Am. Chem. Soc.*, 1955, **77**, 2241 (*Rescinnamine*)
Kroneberg, G., *Arzneim.-Forsch.*, 1956, **6**, 579 (*Rescinnamine, pharmacol*)
Woodward, R.B. *et al, Tetrahedron*, 1958, **2**, 1 (*synth*)
Zoha, M.S. *et al, J. Pharm. Pharmacol.*, 1958, **10**, Suppl. 231T (*Rescinnamine, pharmacol*)
Popelak, A. *et al, Naturwissenschaften*, 1961, **48**, 73.
Rosen, W.E. *et al, J. Am. Chem. Soc.*, 1961, **83**, 4816 (*pmr, ester*)
Popelak, A., *Arch. Pharm.* (*Weinheim, Ger.*), 1963, **296**, 261 (*Rescidine*)
Chatterjee, A. *et al, Chem. Ind.* (*London*), 1969, 1388 (*Veneserpine*)

Pantarotto, C. *et al*, *Adv. Mass Spectrom.*, 1977, **2**, 351 (*Rescinnamine, ms*)
Suzuki, Y., *CA*, 1982, **96**, 115441 (*pharmacol*)
Malik, A. *et al*, *J. Nat. Prod.*, 1983, **46**, 940 (*isol*)
Lounasmaa, M. *et al*, *Heterocycles*, 1985, **23**, 371 (*pmr*)
Siddiqui, S. *et al*, *J. Nat. Prod.*, 1987, **50**, 238 (*Rescinnamidine*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8064, 8065.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 900, 905.

Reserpine, BAN, INN, USAN R-00029

Serpasil. Sermix. Reserpoid. Sandril. Numerous proprietary names



$C_{33}H_{40}N_2O_9$ M 608.687
Component of Diupres.
▷ZG0350000.

(−)-*form* [50-55-5]
Alkaloid from *Rauwolfia serpentina*, *R. vomitoria*, *R. macrophylla*, very many other *R.* spp., *Vinca minor*, *Alstonia constricta* and many other spp. in the Apocynaceae, e.g. *Tenduzia longifolia*, *Vallesia dichotoma* and *Excavatia coccinea*. Antihypertensive agent acting by depleting stores of noradrenaline in sympathetic neurones. Many semisynthetic analogues have been investigated. Long prisms (Me_2CO aq.). Mp 262-266°, Mp 284-285°. $[\alpha]_D^{23}$ −118° ($CHCl_3$). pK_a 7.4.
▷Orally toxic. ZG0350000.

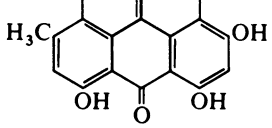
B,HCl: Mp 224°.
B,HClO₄: Mp 238-239°.
Picrate: Mp 183-186°.
N^b-*Oxide:* [474-48-6]. ***Renoxydine***. *Reserpoxidine. Renoxidine.*
$C_{33}H_{40}N_2O_{10}$ M 624.686
Alkaloid from *R. vomitoria*, *R. serpentina*, *R. canescens*, several other *R.* spp. and *Melodinus balansae* (Apocynaceae). Shows similar pharmacol. props. to Reserpine but with about half the activity. Cryst. + ½H_2O (Me_2CO/hexane). Mp 238-241° dec. $[\alpha]_D$ −100° ($CHCl_3$).
O^{17}-*De-Me:* [522-80-5]. ***Pseudoreserpine***. *Norreserpine. ψ-Reserpine.*
$C_{32}H_{38}N_2O_9$ M 594.660
Alkaloid from *R. canescens*, *R. nitida* and *R. ligustrina* (Apocynaceae). Shows antihypertensive and sedative activity, weaker than that of reserpine. Cryst. (Me_2CO aq.). Mp 257-258°. $[\alpha]_D^{24}$ −65° (c, 1.0 in $CHCl_3$).
O^{17}-*De-Me; B,HNO₃:* Fine needles. Mp 253-255°.
O^{17}-*De-Me, stereoisomer:* [74958-26-2]. ***Neonorreserpine***. Alkaloid from *R. vomitoria* (Apocynaceae). Silky prismatic rods (MeOH/C_6H_6). Mp 291-292°. Config. unknown.
O^{17}-*De-Me, stereoisomer; B,HCl:* Mp 230-231°.
O^{17}-*De-Me, 16,17-diepimer:* [82262-76-8]. ***16,17-Diepipseudoreserpine***.
$C_{32}H_{38}N_2O_9$ M 594.660
Alkaloid from *R. yunnanensis* (Apocynaceae). Alkaloid not named in the abstr.
1-(Diethylaminoethyl): [53-18-9]. ***Bietaserpine, INN***.
$C_{39}H_{53}N_3O_9$ M 707.862
Antihypertensive agent. $[\alpha]_D^{17}$ −121° (c, 2 in $CHCl_3$).
▷ZF9380000.
1-(Diethylaminoethyl), bitartrate: [1111-44-0]. *Pleiaserpin. Pleiatensin simplex. Tensibar. DL 152. S 1210.* Mp 145-150° dec.
▷ZF9385000.

(±)-*form*
Mp 260-262° dec.

Furlenmeyer, A. *et al*, *Experientia*, 1953, **9**, 331 (*uv, ir*)
Klohs, M.W. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3763 (*Pseudoreserpine*)
Ulshafer, P.R. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1957, **244**, 2989 (*oxide*)
Velluz, L. *et al*, *Bull. Soc. Chim. Fr.*, 1958, 145, 673 (*synth*)
Woodward, R.B. *et al*, *Tetrahedron*, 1958, **2**, 1 (*synth*)
B.P., 894 866, (*1961*); *CA*, **57**, 9910e (*Bietaserpine*)
Rosen, W.E. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 4816 (*pmr*)
Ban, Y. *et al*, *Tetrahedron*, 1964, **20**, 2877 (*config*)
Berthaux, P. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 1040 (*Bietaserpine*)
Schlittler, E., *Alkaloids* (*N.Y.*), 1965, **8**, 287 (*rev*)
Levin, R.H. *et al*, *J. Org. Chem.*, 1973, **38**, 1983 (*cmr*)
Becker, O. *et al*, *Org. Mass Spectrom.*, 1977, **12**, 461 (*ms*)
Mehri, M.H. *et al*, *Phytochemistry*, 1978, **17**, 1451 (*oxide*)
Fanso-Free, S.N.Y. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 1549 (*N-15 nmr*)
Pearlman, B.A., *J. Am. Chem. Soc.*, 1979, **101**, 6404 (*synth*)
Malik, A. *et al*, *Z. Naturforsch. B.*, 1980, **35**, 920 (*Neonorreserpine*)
Wender, P.A. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 6157 (*synth*)
Feng, X. *et al*, *Yaoxue Xuebao*, 1981, **16**, 510; *CA*, **97**, 3593j (*Diepipseudoreserpine*)
Juul, P., *Handb. Exp. Pharmacol.*, 1981, 54 (*rev, pharmacol*)
Muhtadi, F.J., *Anal. Profiles Drug Subst.*, 1984, **13**, 737 (*rev, ir, pmr, cmr, ms, anal*)
Lounasmaa, M. *et al*, *Heterocycles*, 1985, **23**, 371 (*pmr*)
Szántay, C. *et al*, *Alkaloids* (*N.Y.*), 1986, **27**, 253 (*pharmacol, bibl*)
Martin, S.F. *et al*, *J. Am. Chem. Soc.*, 1987, **109**, 6124 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7993 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 901, 12443.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2362.

Resistomycin R-00030

*3,5,7,10-Tetrahydroxy-1,1,9-trimethyl-2*H*-benzo*[cd]*-pyrene-2,6(1*H*)-dione, 9CI, 8CI. Croceomycin. Geliomycin. Heliomycin. Itamycin. X 340. Antibiotic X 340*
[20004-62-0]



$C_{22}H_{16}O_6$ M 376.365
Quinone-related antibiotic. Constit. of the mycelium of *Streptomyces resistomycificius* and other *S.* spp. Shows activity against gram-positive and mycobacteria. Yellow needles (dioxan). Spar. sol. H_2O, $CHCl_3$, sol. dioxan. Mp 315° dec. $Bp_{0.0001}$ 200-205° subl.
▷DJ6350000.
Tetra-Ac: Amorph. Mp 204-206°.
Tetrabenzoyl: Needles (C_6H_6/pet. ether). Mp 244°.

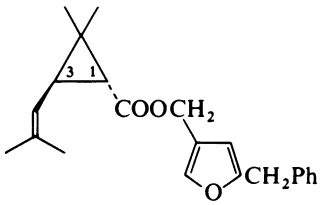
5,7,10-Tri-Me ether: Red prisms (MeOH). Mp 280° dec.

Brockmann, A. *et al*, *Chem. Ber.*, 1954, **87**, 1036 (*isol*)
Rosenbrook, W., *J. Org. Chem.*, 1967, **32**, 2924 (*struct, uv, nmr*)
Bailey, N.A. *et al*, *J. Chem. Soc., Chem. Commun.*, 1968, 374 (*cryst struct*)
Brockmann, H. *et al*, *Chem. Ber.*, 1969, **102**, 1224 (*struct, ir, uv, nmr*)
Eckhardt, K. *et al*, *Tetrahedron*, 1970, **26**, 5875 (*struct, ir, uv, nmr*)
Kingston, J.F. *et al*, *Can. J. Chem.*, 1977, **55**, 785 (*synth*)
Keay, B.A. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 4725 (*synth*)
Höfle, G. *et al*, *Justus Liebigs Ann. Chem.*, 1983, 835 (*isol, biosynth, cmr*)
Arora, S.K., *J. Antibiot.*, 1985, **38**, 113 (*struct*)
Kelly, T.R. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 3879 (*synth*)

Resmethrin R-00031

2,2-Dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylic acid [5-(phenylmethyl)-3-furanyl]methyl ester, 9CI. 5-Benzyl-3-(furylmethyl)-chrysanthemate. Chryson. SBP *1382*

[10453-86-8]



$C_{22}H_{26}O_3$ M 338.446

▷GZ1310000.

(1R,3R)-form [28434-01-7]

(+)-trans-*form.* ***Bioresmethrin, INN.*** *Isathrine. Savenna*

Synthetic pyrethroid insecticide. $Bp_{0.0008}$ 174°. $[\alpha]_D^{20}$ −7.8° (c, 5 in Me_2CO). n_D^{20} 1.5346.

▷GZ1310500.

(1R,3S)-form

(+)-cis-*form. Cismethrin*

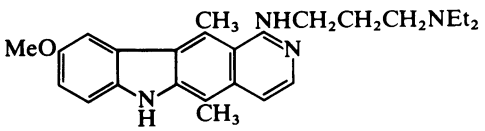
Synthetic pyrethroid insecticide.

Fr. Pat., 1 503 260, (*1967*); *CA*, **69**, 106542t (*synth*)
Elliot, M. *et al*, *Pestic. Sci.*, 1971, **2**, 243 (*use*)
Ueda, K. *et al*, *J. Agric. Food Chem.*, 1974, **22**, 212; 1975, **23**, 106 (*metab*)
Wickham, J.C., *Pestic. Sci.*, 1976, **7**, 273 (*use*)
Nakazawa, H. *et al*, *Agric. Biol. Chem.*, 1980, **44**, 1173 (*cmr*)

Retelliptine, INN R-00032

N,N-*Diethyl*-N′-(*9-methoxy-5,11-dimethyl-6*H-*pyrido*[*4,3*-b]*carbazol-1-yl*)-*1,3-propanediamine, 9CI*

[72238-02-9]



$C_{25}H_{32}N_4O$ M 404.554

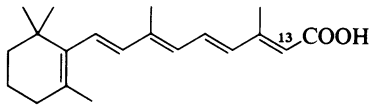
Antineoplastic agent. Cryst. (cyclohexane). Mp 156°.

▷TX7387000.

Bisagni, E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 1706 (*synth*)
Rivalle, C. *et al*, *J. Med. Chem.*, 1980, **23**, 1212; 1983, **26**, 181 (*synth, pharmacol*)

Retinoic acid, 9CI R-00033

3,7-Dimethyl-9-(2,6,6-trimethylcyclohexenyl)-2,4,6,8-nonatetraenoic acid. 15-Apo-β-caroten-15-oic acid. ***Tretinoin, INN, BAN, USAN.*** *Vitamin* A *acid. Numerous proprietary names*



(13*E*)-*form*

$C_{20}H_{28}O_2$ M 300.440

(13E)-form [302-79-4]

Shows vitamin *A* activity. Keratolytic agent. Cryst. (MeOH). Mp 181.5°.

▷Exp. teratogen. VH6475000.

4-Oxo: [38030-57-8]. *4-Oxoretinoic acid.* Cryst. (pet. ether). Mp 159-161°.

(13Z)-form [4759-48-2]

Isotretinoin, BAN, USAN, INN. *Accutane. Roaccutane. Roacutan. Ro 4-3780*

Keratolytic antineoplastic agent, used to treat cystic acne. Cryst. (EtOH). Mp 189-190° (174-175°).

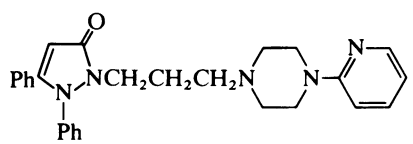
▷VH6440000.

Dowling, J. *et al*, *Vitam. Horm. (N.Y.)*, 1960, **18**, 515 (*rev*)
Borua, A.B. *et al*, *Tetrahedron Lett.*, 1972, 1823 (*synth*)
Stam, C.H., *Acta Crystallogr., Sect. B*, 1972, **28**, 2936 (*cryst struct*)
Cainelli, G. *et al*, *Gazz. Chim. Ital.*, 1973, **103**, 117 (*isom*)
Julia, M. *et al*, *Bull. Chim. Soc. Fr.*, 1973, 746 (*synth*)
Englert, G., *Helv. Chim. Acta*, 1975, **58**, 2367 (*cmr*)
Bard, D.R. *et al*, *Br. J. Cancer*, 1977, **35**, 110 (*pharmacol, tox*)
McCormick, A.M. *et al*, *Anal. Biochem.*, 1978, **86**, 25 (*hplc*)
Bernard, M. *et al*, *J. Org. Chem.*, 1983, **48**, 3164 (*synth*)
De Paolis, A.N., *J. Chromatogr.*, 1983, **258**, 314 (*tlc*)
Perry, M.D. *et al*, *Clin. Pharm.*, 1983, **2**, 12 (*rev*)
Bestmann, H.J. *et al*, *Justus Liebigs Ann. Chem.*, 1984, 1740 (*synth*)
Chytil, F., *Pharmacol. Rev.*, 1984, **36**, 93 (*rev, pharmacol, props*)
Ward, A. *et al*, *Drugs*, 1984, **28**, 6 (*rev, Isotretinoin*)
Madani, K.A., *Nutr. Res.*, 1986, **6**, 107 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5902.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1616, 1656.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2364.

Revenast, INN R-00034

*1,2-Dihydro-1,5-diphenyl-2-[3-[4-(2-pyridinyl)-1-piperazinyl]propyl]-3*H-*pyrazol-3-one, 9CI. 1,5-Diphenyl-2-[3-[4-(2-pyridyl)piperazin-1-yl]propyl]pyrazolin-3-one*

[85673-87-6]



$C_{27}H_{29}N_5O$ M 439.559

Antihistamine, antiasthmatic agent. Pale-yellow oil.

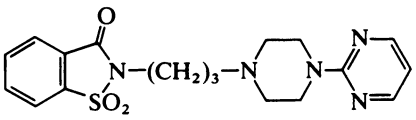
B,3HCl: [85673-88-7]. Cryst. Mp 196-198°.

Ger. Pat., 3 132 915, (*1983*); *CA*, **98**, 198214 (*synth*)
Gielsdorf, W. *et al*, *J. Chromatogr.*, 1987, **419**, 351 (*chromatog*)

Revospirone, BAN **R-00035**

2-[3-[4-(2-Pyrimidinyl)-1-piperazinyl]propyl]-1,2-benzisothiazol-3(2H)-one 1,1-dioxide, 9CI. *Bay Vq 7813*

[95847-87-3]



$C_{18}H_{21}N_5O_3S$ M 387.456

Tranquilliser. Mp 131°.

Ger. Pat., 3 321 969, (*1983*); *CA*, **102**, 220896 (*synth, pharmacol*)

Ribaminol, USAN, INN **R-00036**

[8063-28-3]

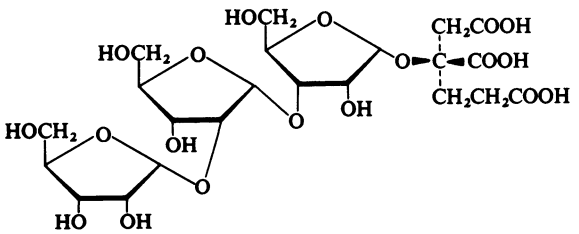
Ribonucleic acid cpd. with 2-(diethylamino)ethanol. Memory adjuvant.

Potts, W.J., *Life Sci.*, 1971, **10**, 655 (*pharmacol*)

Reinis, S., *Bull. Psychon. Soc.*, 1973, **2**, 385 (*pharmacol*)

Ribocitrin **R-00037**

[77752-20-6]



$C_{22}H_{34}O_{19}$ M 602.499

Glycoside antibiotic. Isol. from *Streptomyces* sp. MF980-CF1. Enzyme inhibitor, used in prevention of dental caries.

Tri-Na salt: [80300-24-9]. Mp 202-203°. $[\alpha]_D^{26}$ +97.3° (c, 1 in H_2O).

Ohnuki, T. *et al*, *Tetrahedron Lett.*, 1981, **22**, 1267 (*struct*)

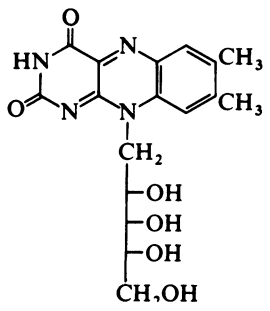
Okami, Y. *et al*, *J. Antibiot.*, 1981, **34**, 344 (*isol*)

Takashio, M. *et al*, *Agric. Biol. Chem.*, 1982, **46**, 1457, 1987, 2449 (*props*)

Riboflavine, 9CI, INN **R-00038**

1-Deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-dioxobenzo[g]pteridin-10(2H)-yl)-D-ribitol, 9CI. *Lactoflavine. Vitamin* B_2. *Ovoflavine. Flavaxin. Vitamin G. Other synonyms*

[83-88-5]



$C_{17}H_{20}N_4O_6$ M 376.368

Widely distributed, but occurs in free form only in the retina, in whey and in urine. Main forms occurring in tissues and cells are flavine mononucleotide and flavine-adenine dinucleotide. Vitamin cofactor. Orange needles. Mp 280° dec. $[\alpha]_D$ −9.8° (H_2O), −125° (20N NaOH). λ_{max} 220, 265, 365 and 455 nm (H_2O).

▷VJ1400000.

5'-Adenosine diphosphate: [146-14-5]. *Riboflavine 5'-(trihydrogendiphosphate) 5'→5'-ester with adenosine,* 9CI. *FAD. Flavinadenine dinucleotide. Other proprietary names.*

$C_{27}H_{33}N_9O_{15}P_2$ M 785.557

Vitamin B_2 therapeutic agent.

▷AU7470000.

2',3'-Dinicotinate 4'(5')-phosphate: [36119-03-6]. *Riboflavine 2',3'-di-3-pyridinecarboxylate monodehydrogen phosphate (ester),* 9CI. *FMN-dinicotinate.*

$C_{29}H_{27}N_6O_{11}P$ M 666.540

Used in treatment of diabetic neuropathy.

5'-Phosphate: [146-17-8]. *Riboflavine 5'-(dihydrogen phosphate),* 9CI. *Flavin mononucleotide. Lactoflavin phosphate. Monophosphoriboflavin. Riboflavin monophosphate. Vitamin* B_2 *phosphate. Other synonyms.*

Enzyme co-factor, vitamin. Yellow cryst. ($2H_2O$).

▷VJ1350000.

2',3',4',5'-Tetra-Ac: [752-13-6].

$C_{25}H_{28}N_4O_{10}$ M 544.517

Mp 250-252°.

Tetra-Ac, 3N-Me: [21066-33-1].

$C_{26}H_{30}N_4O_{10}$ M 558.544

Mp 189-191°.

2',3',4',5-Tetrabutyrate: [752-56-7]. *Riboflavine 2',3',4',5'-tetrabutanoate,* 9CI. *Riboflavin butyrate. Vitamin* B_2 *tetrabutyrate. Other proprietary names.*

$C_{33}H_{44}N_4O_{10}$ M 656.731

Antiatherosclerotic agent. Mp 142-146°.

2',3',4',5'-Tetranicotinate: [14984-66-8]. *Riboflavine 2',3',4',5'-tetra-3-pyridinecarboxylate,* 9CI. *Riboflavine nicotinate. RN-4.*

$C_{41}H_{32}N_8O_{10}$ M 796.751

Antilipidaemic agent. Mp 154-155°.

Kotaki, A. *et al*, *J. Vitaminol.* (*Kyoto*), 1968, **14**, 247 (*synth, tetranicotinate*)

Beach, R. *et al*, *Tetrahedron Lett.*, 1969, 3489 (*synth*)

Kotaki, A. *et al*, *Bitamin*, 1969, **39**, 382 (*metab, tetranicotinate*)

Paterson, T. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 290 (*biosynth*)

Tanaka, N. *et al*, *Bull. Chem. Soc. Jpn.*, 1969, **42**, 1546 (*cryst struct*)

Yagi, K. *et al*, *J. Vitaminol.* (*Kyoto*), 1969, **15**, 155 (*metab, tetrabutyrate*)

Japan. Pat., 70 07 749, (*1970*); *CA*, **73**, 15177u (*synth, tetrabutyrate*)

McCormick, D.A., *J. Heterocycl. Chem.*, 1974, **11**, 969.

Yoneda, F., *J. Am. Chem. Soc.*, 1976, **98**, 830 (*synth*)

Holmgren, A., *Experientia*, 1980, **36**, 149 (*rev, FAD*)

Walt, D.R. *et al*, *J. Am. Chem. Soc.*, 1980, **102**, 7805 (*synth, 5'-phosphate*)

Bacher, A. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3754 (*biosynth*)

Brown, G.M. *et al*, *Adv. Enzymol. Relat. Areas Mol. Biol.*, 1982, **53**, 345 (*rev, biosynth*)

Keller, P.J. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 2505 (*biosynth, cmr, tetraacetate*)

Keller, P.J. *et al*, *Tetrahedron*, 1983, **39**, 3471 (*biosynth*)

Shimizu, S. *et al*, *Appl. Biochem. Biotechnol.*, 1983, **8**, 237 (*synth, FAD*)

Ulrich, E.L. *et al*, *Tetrahedron Lett.*, 1983, **24**, 473 (*pmr*)

Yoneda, F., *Kirk-Othmer Encycl. Chem. Technol., 3rd Ed.*, 1983, **24**, 108 (*rev, synth*)

Cooperman, J.M. *et al*, *Food Sci. Technol.*, 1984, **13**, 299 (*rev, metab, props*)

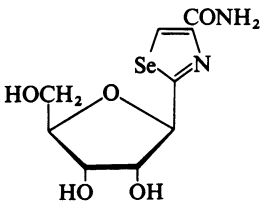
Moonen, C.T. *et al*, *Biochemistry*, 1984, **23**, 4859 (*pmr, conformn, tetraacetate, 5'-phosphate*)

Vervoort, J. *et al*, *Eur. J. Biochem.*, 1985, **151**, 49 (*cmr, 3-Me, tetraacetate*)

Nielsen, P. *et al*, *Methods Enzymol.*, 1986, **122**, 209 (*synth, phosphates*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7841, 7842, 7843, 7844, 7845.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4425, 4473, 7551, 7999.

2-Ribofuranosyl-4-selenazolecarboxamide, 9CI R-00039



$C_9H_{12}N_2O_5Se$ M 307.164
Nucleoside-type antibiotic.

α-D-form [83705-14-0]
Cryst. (EtOH). Mp 204-205°.

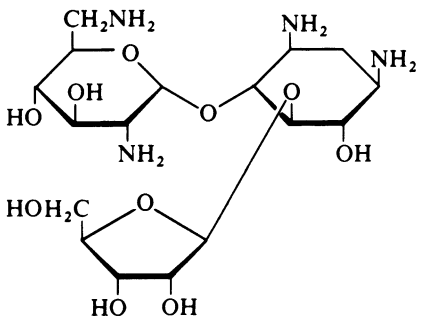
β-D-form [83705-13-9]
Selenazofurin. *NSC 340847*
Synthetic. Antitumour and antiviral agent. Cryst. (2-propanol). Mp 131-133°. Five times more cytotoxic than S analogue Tiazofurin.

Srivastava, P. *et al*, *J. Med. Chem.*, 1983, **26**, 445 (*synth*)
Boritzki, T.J. *et al*, *Biochem. Pharmacol.*, 1985, **34**, 1109 (*pharmacol*)
Goldstein, B.M. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 1394 (*cryst struct*)
Hennen, W.J. *et al*, *J. Org. Chem.*, 1985, **50**, 1741 (*synth, cmr*)
Cook, P.D. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 155 (*synth*)

Ribostamycin, BAN, INN R-00040

O-2,6-Diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)-O-[β-D-ribofuranosyl-(1→5)]-2-deoxy-D-streptamine, 8CI. Hetangmycin. SF 733. Antibiotic SF 733. Other proprietary names

[25546-65-0]



$C_{17}H_{34}N_4O_{10}$ M 454.476
Aminoglycoside antibiotic belonging to the Neomycin group. Isol. from *Streptomyces ribosidificus* and *Pseudomonas* BN-246. Active against gram-positive and -negative bacteria. Cryst. (MeOH). Mp 192-195° dec. $[\alpha]_D^{23}$ +42° (c, 1 in H_2O). Used clinically. Isomeric with Xylostacin.

▷WK2299000.

2B,H_2SO_4: [53797-35-6]. *Ribostamycin sulfate, JAN. Vistamycin.* Powder. $[\alpha]_D^{20}$ +39° (c, 1 in H_2O).

▷WK2300000.

3',4'-Dideoxy: [39535-80-3]. *3',4'-Dideoxyribostamycin.*
$C_{17}H_{34}N_4O_8$ M 422.478
Semisynthetic. Shows similar activity to parent compd. Mp 155-156° dec. $[\alpha]_D^{20}$ +35° (c, 1 in H_2O).

2α-Hydroxy: [52198-59-1]. *2-Hydroxyribostamycin. 2-Hydroxy-*scyllo*-ribostamycin.*
$C_{17}H_{34}N_4O_{11}$ M 470.476
Semisynthetic.

2β-Hydroxy: [52248-05-2]. *2-Hydroxy-*myo*-ribostamycin.*
$C_{17}H_{34}N_4O_{11}$ M 470.476
Semisynthetic.

N'-Me: [52275-05-5]. *1-N-Methylribostamycin.*
$C_{18}H_{36}N_4O_{10}$ M 468.503
Semisynthetic.

▷WK2299500.

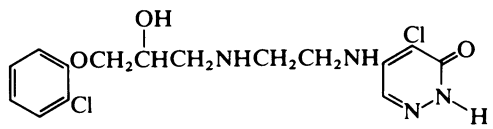
3',4',5''-Trideoxy: [39535-84-7].
$C_{17}H_{34}N_4O_7$ M 406.478
Semisynthetic. Less active than parent compd. $[\alpha]_D^{14}$ +56° (c, 0.7 in H_2O).

Akita, E. *et al*, *J. Antibiot.*, 1970, **23**, 155, 173 (*isol, struct*)
Ito, T. *et al*, *Antimicrob. Agents Chemother.*, 1970, 33; *Agric. Biol. Chem.*, 1970, **34**, 980 (*synth, ir, pmr*)
Ikeda, D. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 3210 (*synth, derivs*)
Kojima, M. *et al*, *J. Antibiot.*, 1973, **26**, 784 (*biosynth, derivs*)
Fukami, H. *et al*, *Agric. Biol. Chem.*, 1977, **41**, 1689 (*synth*)
Suami, T. *et al*, *Carbohydr. Res.*, 1977, **56**, 415 (*synth*)
Kumar, V. *et al*, *J. Org. Chem.*, 1981, **46**, 4298 (*synth*)
Miyadoh, S. *et al*, *CA*, 1982, **96**, 50625 (*isol*)
Inouye, S. *et al*, *CA*, 1982, **98**, 83105 (*rev, pharmacol*)
Yoshikawa, M. *et al*, *Chem. Lett.*, 1984, 2097 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 144.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4622.

Ridazolol, INN R-00041

4-Chloro-5-[[2-[[3-(2-chlorophenoxy)-2-hydroxypropyl]amino]ethyl]amino]-3(2H)-pyridazinone, 9CI

[83395-21-5]



$C_{15}H_{18}Cl_2N_4O_3$ M 373.238

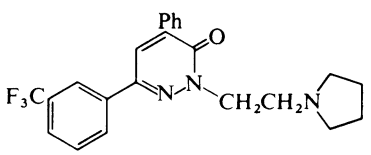
(±)-form
β-Adrenergic blocker.
B,HCl: Cryst. Mp 219°.

Eur. Pat., 54 946, (*1982*); *CA*, **97**, 182444f (*synth, pharmacol*)

Ridiflone, INN R-00042

*4-Phenyl-2-[2-(1-pyrrolidinyl)ethyl]-6-(α,α,α-trifluoro-*m*-tolyl)-3(2H)pyridazinone, 8CI. Ridaflone. Delibryl*

[23419-43-4]

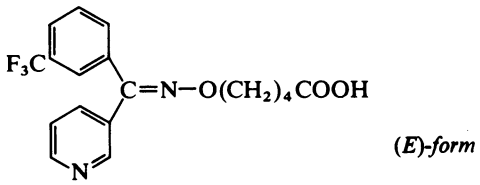


$C_{23}H_{22}F_3N_3O$ M 413.442
Psychotropic agent. Mp 85-87°.
B,HCl: [23348-16-5]. Mp 180-181°.

S. African Pat., 68 03 163, (*1968*); *CA*, **71**, 30482s (*synth, pharmacol*)

Ridogrel, INN **R-00043**

5-[[[3-Pyridinyl[3-(trifluoromethyl)phenyl]methylene]-amino]oxy]pentanoic acid, 9CI



(*E*)-*form*

$C_{18}H_{17}F_3N_2O_3$ M 366.339

(*E*)-*form* [110140-89-1]

Blood platelet aggregation inhibitor. Cryst. Mp 70.3°.

(*Z*)-*form* [110141-09-8]

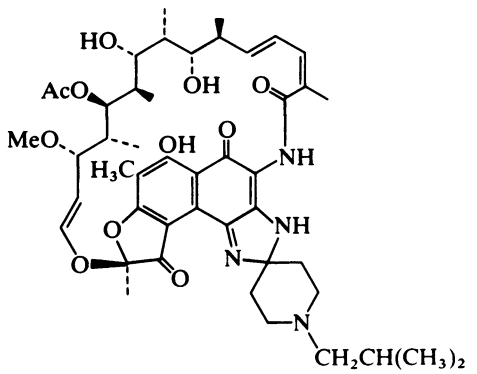
Mp 84.7°.

Eur. Pat., 221 601, (*1987*); *CA*, **107**, 115497 (*synth, pharmacol*)

Rifabutin, INN **R-00044**

1',4-Didehydro-1-deoxy-1,4-dihydro-5'-(2-methylpropyl)-1-oxorifamycin XIV. LM 427

[72559-06-9]



$C_{46}H_{62}N_4O_{11}$ M 847.016

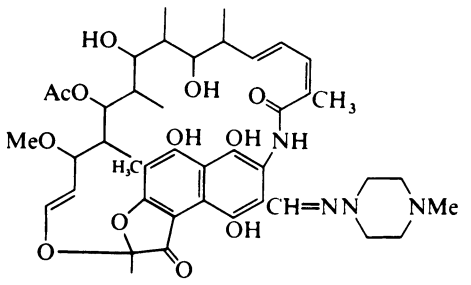
Ansamycin antibiotic. Semisynthetic; prepd. from Rifamycin *S*. Broad spectrum antibiotic; tuberculostatic agent.

B.P., 1 603 127, (*1981*); *CA*, **96**, 162439 (*synth, props*)
Vigevani, A. *et al*, *J. Antibiot.*, 1985, **38**, 1799 (*metab*)
Heifets, L.B. *et al*, *Int. Congr. Ser.-Excerpta Med.*, 1986, **697**, 180 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16512.

Rifampicin, BAN, INN, JAN **R-00045**

3-[[(4-Methyl-1-piperazinyl)imino]methyl]rifamycin, 9CI. ***Rifampin, USAN.*** *Rifadin. Rimactane. Numerous proprietary names*

[13292-46-1]



$C_{43}H_{58}N_4O_{12}$ M 822.951

Semisynthetic Ansamycin antibiotic. Prod. from *Streptomyces mediterranei*. Possesses antibacterial and antitubercular props. Red-orange platelets (Me_2CO). Mp 183-188° dec. λ_{max} 237 (ε 33 200), 255 (32 100), 334 (27 000) and 475 nm (15 400) (pH 7.38).

▷VJ7000000.

Gadret, M. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1454 (*cryst struct*)
Gallo, E.G. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 467 (*rev, synth, anal*)
Girling, D.T. *et al*, *J. Antimicrob. Chemother.*, 1977, **3**, 115 (*tox, rev*)
Sensi, P., *Chron. Drug Discovery*, 1982, **1**, 201 (*rev*)
Sensi, P., *Rev. Infect. Dis.*, 1983, **5** (*Suppl. 3*), 402 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8227 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7569.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2369.

Rifamycin, 9CI, BAN, INN **R-00046**

Rifamycin SV. Chibromycine. Chibro-Rifamycin. Rifocin. Rifal. Rifosten. Santarycin

[6998-60-3]

As Rifamycin *B*, R-00047 with

R = H

$C_{37}H_{47}NO_{12}$ M 697.778

Ansamycin-type antibiotic. Isol. from *Streptomyces mediterranei, Nocardia mediterranei* and *Micromonospora* spp. Antibacterial agent. Yellow-orange cryst. Mp 300° (140° dec.). $[\alpha]_D^{20}$ −4° (MeOH). Readily oxidised by air.

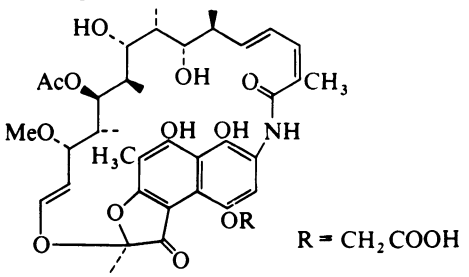
▷KD1922000.

Gallo, G.G. *et al*, *Farmaco, Ed. Prat.*, 1963, **18**, 78 (*isol*)
Oppolzer, W. *et al*, *Experientia*, 1964, **20**, 336 (*struct*)
Brufani, M. *et al*, *Experientia*, 1964, **20**, 339 (*cryst struct*)
Gurgo, C. *et al*, *Handb. Exp. Pharmacol.*, 1982, **61**, 519 (*rev*)
Seong, B.L. *et al*, *Chem. Lett.*, 1982, 627 (*biosynth*)
Arora, S.K. *et al*, *Mol. Pharmacol.*, 1983, **23**, 133 (*cryst struct*)
Sensi, P., *Rev. Infect. Dis.*, 1983, **5** (*Suppl. 3*), 402 (*bibl*)
Ghisalba, O. *et al*, *Drugs. Pharm. Sci.*, 1984, **22**, 281 (*rev*)
Lancini, G., *Biotechnology*, 1986, **4**, 431 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 146.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2369, 2370.

Rifamycin *B* **R-00047**

4-O-(Carboxymethyl)rifamycin, 9CI. *Nancimycin. Rifomycin* B

[13929-35-6]



$C_{39}H_{49}NO_{14}$ M 755.814

Ansamycin-type antibiotic. Isol. from *Streptomyces mediterranei, S. tolypophorus* and *Nocardia* sp. Antibacterial agent. Active against gram-positive bacteria, primarily mycobacteria. Pale-yellow needles (C_6H_6/hexane). Sol. MeOH, $CHCl_3$, Me_2CO, EtOAc. Mp 300° (160-164 dec.). $[\alpha]_D^{20}$ −48.7° (c, 0.4 in MeOH). pK_{a1} 2.6, pK_{a2} 7.76 (methyl cellosolve). Oxidn. → Rifamycin *O*.

▷AH0525000.

Diethylamide: [2750-76-7]. ***Rifamide,*** BAN, USAN, ***INN.*** *Rifammide. Rifamycin M 14. Rifocin* M. *NSC 133099.*

$C_{43}H_{58}N_2O_{13}$ M 810.937

Antibacterial agent. Yellow-orange cryst. (C_6H_6/hexane). $[\alpha]_D^{20}$ −48.7° (c, 0.4 in MeOH). No def. Mp. Softens at 140°. Melts completely at 170°.

▷AB7525000.

8-Deoxy: [75367-97-4]. ***8-Deoxyrifamycin* B.**

$C_{39}H_{49}NO_{13}$ M 739.815

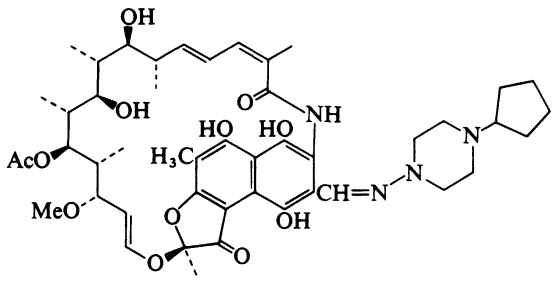
From *N. mediterranei.*

Belg. Pat., 632 770, (*1964*); *CA*, **61**, 4166 (*isol*)
Sensi, P. *et al*, *J. Med. Chem.*, 1964, **7**, 596 (*Rifamide*)
Launchburg, A.P., *Prog. Med. Chem.*, 1970, **7**, 1 (*rev, Rifamide*)
Fr. Pat., 2 043 847, (*1971*); *CA*, **76**, 44674 (*isol*)
Oppolzer, W. *et al*, *Helv. Chim. Acta*, 1973, **56**, 2287 (*config*)
Zerilli, L.F. *et al*, *Ann. Chim.* (*Rome*), 1974, **64**, 199 (*ms*)
Japan. Pats., 79 110 392, 79 110 393, (*1979*); *CA*, **92**, 20566, 56812 (*isol*)
Ghisalba, O. *et al*, *J. Antibiot.*, 1980, **33**, 847 (*deriv*)
Brufani, M. *et al*, *Mol. Pharmacol.*, 1982, **21**, 394 (*struct*)
Ghisalba, O. *et al*, *J. Antibiot.*, 1982, **35**, 74, 1361 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 145.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2369.

Rifapentine, BAN, INN, USAN R-00048

3-[[(4-Cyclopentyl-1-piperazinyl)imino]methyl]-rifamycin, *9CI. DL 473. Antibiotic DL 473*

[61379-65-5]



$C_{47}H_{64}N_4O_{12}$ M 877.042

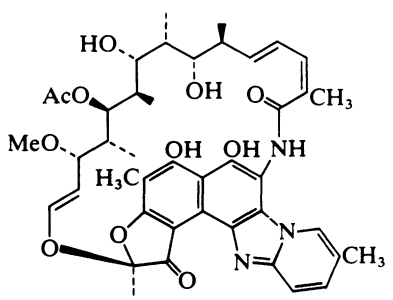
Ansamycin antibiotic. Semisynthetic. Tuberculostat. Active against gram-positive and -negative bacteria.

Ger. Pat., 2 608 218, (*1976*); *CA*, **86**, 43757 (*synth*)
U.S.P., 4 002 752, (*1977*); *CA*, **86**, 155714 (*synth*)
Arioli, V. *et al*, *J. Antibiot.*, 1981, **34**, 1026 (*props*)
Neu, H.C., *Antimicrob. Agents Chemother.*, 1983, **24**, 457 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16978.

Rifaximin, INN R-00049

25-(Acetyloxy)-5,6,21,23-tetrahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-2,7-(epoxypentadeca[1,11,13]trienimino)benzofuro[4,5-e]-pyrido[1,2-a]benzimidazole-1,15(2H)-dione, *9CI. Normix. Rifaxidin. α-0817185. L 105*

[80621-81-4]



$C_{43}H_{51}N_3O_{11}$ M 785.889

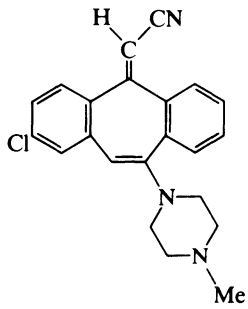
Antibacterial agent. Cryst. (EtOH aq.).

Brufani, M. *et al*, *J. Antibiot.*, 1984, **37**, 1611 (*synth, pmr, pharmacol*)
Marchi, E. *et al*, *J. Med. Chem.*, 1985, **28**, 960 (*synth, pharmacol*)
Venturini, A.P. *et al*, *Chemioterapia*, 1986, **5**, 257, 263 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 503.

Rilapine, INN R-00050

2-Chloro-10-(4-methyl-1-piperazinyl)-5H-dibenzo[a,d]cyclohepten-5-ylidene]acetonitrile, *9CI*

[79781-95-6]



(Z)-form

$C_{22}H_{20}ClN_3$ M 361.873

(Z)-form

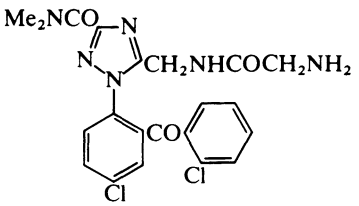
Tranquilliser, neuroleptic agent. Yellow cryst. (EtOH). Mp 227-229°.

Ger. Pat., 3 009 034, (*1981*); *CA*, **95**, 203640 (*synth*)

Rilmazafone, INN R-00051

5-[[(Aminoacetyl)amino]methyl]-1-[4-chloro-2-(2-chlorobenzoyl)phenyl]-N,N-dimethyl-1H-1,2,4-triazole-3-carboxamide, *9CI. Trimazafone. 450191* S

[99593-25-6]



$C_{21}H_{20}Cl_2N_6O_3$ M 475.333

Hypnotic.

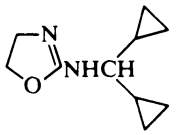
B,HCl: [85815-37-8]. Cryst. + $2H_2O$ (EtOH aq.). Mp 107°.

Hirai, K. *et al*, *J. Heterocycl. Chem.*, 1982, **19**, 1363 (*synth, props*)
Koike, M. *et al*, *Drug Metab. Dispos.*, 1987, **15**, 426 (*metab, props*)
Koike, M. *et al*, *Xenobiotica*, 1988, **18**, 257 (*metab, props*)

Rilmenidine R-00052

N-(Dicyclopropylmethyl)-4,5-dihydro-2-oxazolamine, *9CI. 2-[(Dicyclopropylmethyl)amino]-2-oxazoline. Hyperium. S 3341*

[54187-04-1]



$C_{10}H_{16}N_2O$ M 180.249

Antihypertensive agent (α_2-adrenergic agonist). Mp 106-107°. $Bp_{0.5}$ 80° subl.

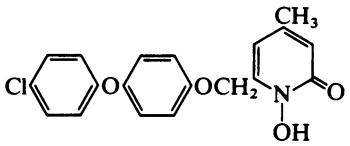
Fumarate: [54249-57-9]. Cryst. (EtOH). Mp 170°.

Ger. Pat., 2 362 754, (*1974*); *CA*, **81**, 105533 (*synth, pharmacol*)
Laubie, M. *et al*, *J. Pharmacol.*, 1985, **16**, 259 (*pharmacol*)
Van Zwieten, P.A., *Am. J. Cardiol.*, 1988, **61**, 6D (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3157.

Rilopirox, INN **R-00053**

6-[[4-(4-Chlorophenoxy)phenoxy]methyl]-1-hydroxy-4-methyl-2(1H)-pyridinone, 9CI

[104153-37-9]



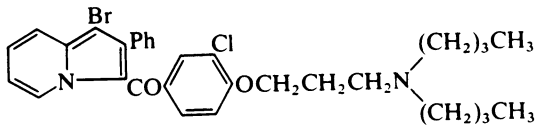
$C_{19}H_{16}ClNO_4$ M 357.793
Fungicide. Mp 167°.

Eur. Pat., 241 918, (*1987*); *CA*, **108**, 131597w (*synth, pharmacol*)

Rilozarone, INN **R-00054**

(1-Bromo-2-phenyl-3-indolizinyl)[3-chloro-4-[3-(dibutylamino)propoxy]phenyl]methanone, 9CI

[79282-39-6]



$C_{32}H_{36}BrClN_2O_2$ M 596.006
Vasodilator.

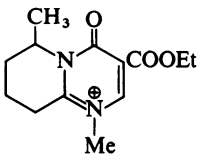
B,HCl: [79283-56-0]. Mp 156-157°.
Oxalate: Cryst. (MeOH). Mp 169-170°.

U.S.P., 4 378 362, (*1983*); *CA*, **99**, 22316d (*synth, pharmacol*)
Rosseels, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1983, **18**, 339 (*synth, pharmacol*)

Rimazolium(1+) **R-00055**

3-(Ethoxycarbonyl)-6,7,8,9-tetrahydro-1,6-dimethyl-4-oxo-4H-pyrido[1,2-a]pyrimidinium, 9CI. Rymazolium. Dolcuran. Probon. Probonal. Rimagin. MZ 144. Ro 11-0780

[35615-72-6]



$C_{13}H_{19}N_2O_3^{\oplus}$ M 251.305 (ion)

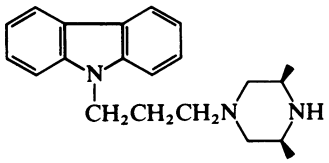
(±)-*form*
Analgesic.

Methylsulfate: [28610-84-6]. *Rimazolium metilsulfate, INN.*
$C_{14}H_{22}N_2O_7S$ M 362.397
Cryst. Mp 165-166°.

Knoll, J. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 719 (*pharmacol*)
Meszaros, Z. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 815 (*synth, pmr, ms*)
Simon, K. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1695 (*cryst struct*)
Szasz, Gy. *et al*, *J. Chromatogr.*, 1976, **117**, 345 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13214.

Rimcazole, INN **R-00056**

9-[3-(3,5-Dimethyl-1-piperazinyl)propyl]-9H-carbazole, 9CI



cis-form

$C_{21}H_{27}N_3$ M 321.464

cis-form [75859-04-0]
Antipsychotic. Mp 107-109°.

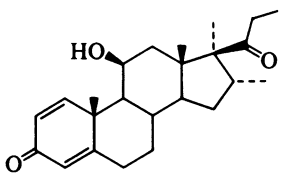
B,2HCl: [75859-03-9]. *Rimcazole hydrochloride, USAN. BW 234U.* Cryst. + $0.5H_2O$ (EtOAc). Mp 288-290°.

Ferris, R.M. *et al*, *J. Pharm. Pharmacol.*, 1982, **34**, 388 (*pharmacol*)
U.S.P., 4 400 383, (*1983*); *CA*, **99**, 158469 (*synth*)
Harfenist, M. *et al*, *J. Org. Chem.*, 1985, **50**, 1356 (*isom, pmr, cmr*)
Ferris, R.M. *et al*, *Drug Dev. Res.*, 1986, **9**, 171 (*pharmacol*)
Morales-Rios, M.S. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 377 (*cmr*)

Rimexolone, INN, BAN **R-00057**

11-Hydroxy-16,17-dimethyl-17-(1-oxopropyl)androsta-1,4-dien-3-one, 9CI. Trimexolone. Org 6216

[49697-38-3]



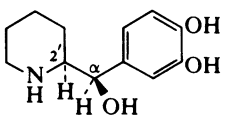
$C_{24}H_{34}O_3$ M 370.531
Antiinflammatory, antiallergic agent. Cryst. (CH_2Cl_2/MeOH). Mp 230-273° dec. $[\alpha]_D$ +100° (c, 0.92 in Py).

Fox, P.K. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 55 (*pharmacol*)
Lewis, A.J. *et al*, *Agents Actions*, 1980, **10**, 258 (*pharmacol*)
Cairns, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1981, 2306 (*synth*)
Barnes, J.C. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 763 (*cryst struct*)

Rimiterol, BAN, INN **R-00058**

4-(Hydroxy-2-piperidinylmethyl)-1,2-benzenediol, 9CI. α-(3,4-Dihydroxyphenyl)-2-piperidinemethanol, 8CI

[32953-89-2]



(αRS,2'SR)-*form*
Relative configuration

$C_{12}H_{17}NO_3$ M 223.271

(αRS,2'SR)-form
(±)-erythro-*form*
Bronchodilator. Cryst. (EtOAc). Mp 203-204°.

B,HBr: [31842-61-2]. *Rimiterol hydrobromide, USAN. Asmaten. Pulmadil. R 798. SKF 38730. WG 253.* Powder. Mp 220° dec. The name "Pulmadil" also refers to the hydrochloride.

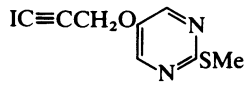
Sankey, G.H. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 1049 (*synth*)
Pinder, R.M. *et al*, *Drugs*, 1977, **14**, 81 (*rev*)
Aasen, A.J. *et al*, *Acta Chem. Scand., Ser. B*, 1988, **42**, 216 (*abs config*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2102.

Rimoprogin, INN **R-00059**

5-[(3-Iodo-2-propynyl)oxy]-2-(methylthio)pyrimidine, 9CI. Jaritin. Jopargin. Methiodine. JOP. TJZ 100. VUFB 9244

[37750-83-7]



$C_8H_7IN_2OS$ M 306.121

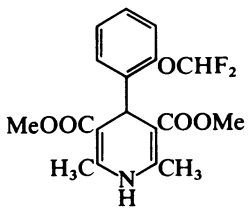
Antifungal agent. Cryst. (EtOH aq.). Mp 142°.

Capek, A. *et al*, *Folia Microbiol.*, 1972, **17**, 396; 1976, **21**, 155 (*pharmacol*)
Budesinsky, Z. *et al*, *Collect. Czech. Chem. Commun.*, 1975, **40**, 1078 (*synth*)
Pavlikova, L. *et al*, *Cesk. Farm.*, 1975, **24**, 249 (*metab*)
Imamura, H. *et al*, *CA*, 1986, **105**, 222611 (*pharmacol*)
Yamamoto, H. *et al*, *Oyo Yakuri*, 1987, **34**, 453, 461 (*pharmacol*)

Riodipine, INN **R-00060**

4-[2-(Difluoromethoxy)phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid dimethyl ester, 9CI. Ryodipine. Foridon. Ryosidine. PP 1466

[71653-63-9]



$C_{18}H_{19}F_2NO_5$ M 367.349

Calcium antagonist (antihypertensive and antianginal agent). Cryst. (MeOH). Mp 156-158°.

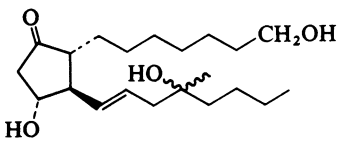
▷US7969500.

Kastrons, V.V. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 668, 672, 680, 808, 813, 907, 915 (*synth, ir, pmr, ms, pharmacol, tox*)

Rioprostil, BAN, INN, USAN **R-00061**

1,11,16-Trihydroxy-16-methylprost-13-en-9-one, 9CI. 4-Hydroxy-2-(7-hydroxyheptyl)-3-(4-hydroxy-4-methyl-1-octenyl)cyclopentanone. BAY 06893. TR 4698. ORF 15927

[77287-05-9]



$C_{21}H_{38}O_4$ M 354.529

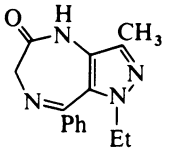
Gastric antisecretory agent. $[\alpha]_D$ −58.6° (c, 1 in $CHCl_3$).

Eur. Pat., 66 475, (*1982*); *CA*, **98**, 160515y (*synth, pharmacol*)
Shriver, D.A. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 839 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18675.

Ripazepam, USAN, INN **R-00062**

1-Ethyl-4,6-dihydro-3-methyl-8-phenylpyrazolo[4,3-e][1,4]diazepin-5(1H)-one, 9CI, 8CI. Pyrazapon. CI 683

[26308-28-1]



$C_{15}H_{16}N_4O$ M 268.318

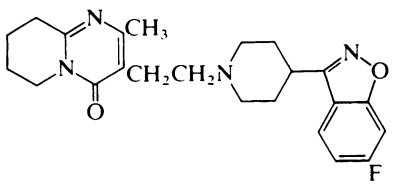
Tranquilliser. Mp 213-215°.

deWald, H.A. *et al*, *J. Med. Chem.*, 1973, **16**, 1346 (*synth, pharmacol*)
Poschel, B.P.H. *et al*, *Psychopharmacologia*, 1974, **35**, 257 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7103.

Risperidone, INN **R-00063**

3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]ethyl]-6,7,8,9-tetrahydro-2-methyl-4H-pyrido[1,2-a]pyrimid-4-one, 9CI. R 64766

[106266-06-2]



$C_{23}H_{27}FN_4O_2$ M 410.490

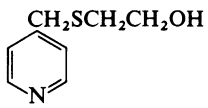
Antipsychotic agent. Cryst. (DMF/2-propanol). Mp 170°.

Eur. Pat., 196 132, (*1986*); *CA*, **106**, 67292x (*synth, pharmacol*)
Janssen, P.A.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1988, **244**, 685 (*pharmacol*)

Ristianol, BAN, INN **R-00064**

2-[(4-Pyridinylmethyl)thio]ethanol, 9CI. 4-[[(2-Hydroxyethyl)thio]methyl]pyridine

[78092-65-6]



$C_8H_{11}NOS$ M 169.241

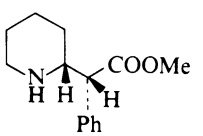
Immunoregulator, antiinflammatory agent. Cryst. Mp 48-49°.

B,H3PO4: [78092-66-7]. *Ristianol phosphate, USAN. CP 48867-9.*

U.S.P., 4 246 263, (*1981*); *CA*, **95**, 132938h (*synth, pharmacol*)

Ritalinic acid **R-00065**

α-Phenyl-2-piperidineacetic acid methyl ester, 9CI



(*2R, 2'R)-form* Absolute configuration

$C_{13}H_{17}NO_2$ M 219.283

Me ester: [113-45-1]. ***Methylphenidate, INN.***
$C_{14}H_{19}NO_2$ M 233.310

Psychomotor stimulant. Cryst. (EtOH aq.). Mp 74-75°. $Bp_{0.6}$ 135-137°.

▷TM3675000.

Me ester; B,HCl: [298-59-9]. *Ritalin. Aktilin. Centedrin. Methylphenidate hydrochloride, USAN. Other proprietary names.* Sol. H_2O, insol. Et_2O. Mp 204-208° dec.

▷TM3850000.

Et ester: Ethylphenidate.

(2R,2'R)-form [40431-64-9]

The pharmacol.-active stereoisomer.

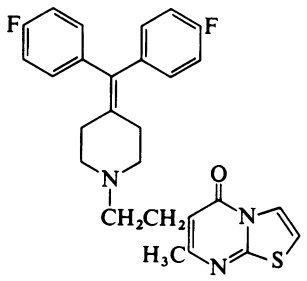
Pharmaceutical preps. said to contain 10-30% of this isomer.

Panizzon, L., *Helv. Chim. Acta*, 1944, **27**, 1748 (*synth, ester*)
Reisch, J. *et al*, *J. Pharm. Pharmacol.*, 1968, **20**, 81 (*ms, ester*)
Shafi'ee, A. *et al*, *J. Med. Chem.*, 1969, **12**, 266 (*abs config*)
Marozzi, E. *et al*, *Farmaco, Ed. Prat.*, 1976, **31**, 180 (*glc, ester*)
Padmanabhan, G.R., *Anal. Profiles Drug Subst.*, 1981, **10**, 473 (*rev, pharmacol, esters*)
Redalieu, E. *et al*, *Drug Metab. Dispos.*, 1982, **10**, 708 (*metab*)
Lim, H.K. *et al*, *J. Chromatogr.*, 1985, **328**, 378 (*resoln*)
Nakajima, K. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 1701 (*glc, ms, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3234.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1433.

Ritanserin, INN R-00066

6-[2-[4-[Bis(4-fluorophenyl)methylene]-1-piperidinyl]-ethyl]-7-methyl-5H-thiazolo[3,2-a]pyrimidin-5-one, 9CI. 6-[2-[4-(4,4'-Difluorobenzhydrylidene)piperidino]-ethyl]-7-methyl[1,3]thiazolo[3,2-a]pyrimidin-5-one. R 55667

[87051-43-2]



$C_{27}H_{25}F_2N_3OS$ M 477.571

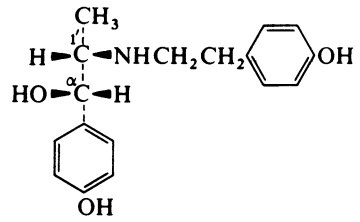
Serotonin antagonist, anxiolytic. Antihypertensive agent. Cryst. (MeCN). Mp 145.5°.

Eur. Pat., 110 435, (*1984*); *CA*, **102**, 6522t (*synth, pharmacol*)
Goodwin, G.M. *et al*, *Br. J. Pharmacol.*, 1985, **84**, 743 (*pharmacol*)
Kennis, L.E.J. *et al*, *Drug Dev. Res.*, 1986, **8**, 133, 187 (*rev, pharmacol*)
Sandrini, G. *et al*, *Eur. J. Pharmacol.*, 1986, **130**, 311 (*pharmacol*)
Vinick, F.J. *et al*, *Annu. Rep. Med. Chem.*, 1986, **21**, 1 (*rev*)
Larsson, M. *et al*, *Methods Find. Exp. Clin. Pharmacol.*, 1987, **9**, 349 (*hplc, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18677.

Ritodrine, BAN, USAN, INN R-00067

4-Hydroxy-α-[1-[[2-(4-hydroxyphenyl)ethyl]amino]-ethyl]benzenemethanol, 9CI. p-*Hydroxy-α-[1-[(p-hydroxyphenethyl)amino]ethyl]benzyl alcohol, 8CI*

[4635-27-2]



(αRS,1'RS)-form Relative configuration

$C_{17}H_{21}NO_3$ M 287.358

(αRS,1'RS)-form [26652-09-5]

erythro-*form*

Uterine relaxant. Mp 88-90°.

B,HCl: [23239-51-2]. *Ritodrine hydrochloride, USAN. Miolene. Prempar. PrePar. Ritopar. Utopar. Yutopar. DU 21220. Materlac.* Cryst. (EtOH/Et_2O). Mp 193-195° dec.

▷DO6524000.

Belg. Pat., 660 244, (*1965*); *CA*, **63**, 17965h (*synth, uv*)
Van Dijk, J. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1973, **92**, 1281 (*synth*)
Finkelstein, B.W., *Drug Intell. Clin. Pharm.*, 1981, **15**, 425 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2103.

Ritrosulfan, INN R-00068

3,14-Dioxa-2,15-dithia-6,11-diazahexadecane-8,9-diol 2,2,15,15-tetraoxide. 1,4-Dideoxy-1,4-bis[(2-hydroxyethyl)amino]erythritol 1,4-dimethanesulfonate. Lycurin. Lytcurim. Mesylerythrol. NSC 122402. R74

[4148-16-7]

$MeO_2SOCH_2CH_2NHCH_2$—
$CHOHCHOHCH_2NHCH_2CH_2OSO_2Me$

$C_{10}H_{24}N_2O_8S_2$ M 364.428

Antineoplastic agent.

▷KF2305000.

Dimethanesulfonate (salt): [2507-27-9]. Cryst. (MeOH/EtOH). Mp 143-144°.

Fr. Pat., M2114, (*1963*); *CA*, **60**, 14598f (*synth, pharmacol*)
Austrian Pat., 236 930, (*1964*); *CA*, **62**, 2710a (*synth*)
Sandberg, J. *et al*, *Cancer Chemother. Rep., Part 1*, 1969, **53**, 367; 1971, **55**, 233 (*pharmacol*)
Hegedus, L. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1984, **20**, 933 (*pharmacol*)

Robenidine, BAN, INN R-00069

Bis[(4-chlorophenyl)methylene]carbonimidic dihydrazide, 9CI. 1,3-Bis[(p-chlorobenzylidene)amino]-guanidine, 8CI

[25875-51-8]



$C_{15}H_{13}Cl_2N_5$ M 334.207

Antiprotozoal, coccidiostat for poultry.

▷ME8650000.

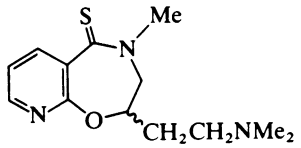
B,HCl: [25875-50-7]. *Robenidine hydrochloride, USAN, INN. Chemococcid. Chymcoccyd. Cycostat. Khimkoktsid. Robenz. Robenzidene.* Mp 289-290°.

Kantor, S. *et al*, *Science* (*Washington*), 1970, **168**, 373 (*pharmacol*)
U.S.P., 3 941 825, (*1976*); *CA*, **85**, 540w (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13216.

Rocastine, INN **R-00070**

2-[2-(Dimethylamino)ethyl]-3,4-dihydro-4-methylpyrido[3,2-f]-1,4-oxazepine-5(2H)-thione, 9CI. *AHR 11325D*

[91833-77-1]



$C_{13}H_{19}N_3OS$ M 265.373

(±)-*form* [104609-87-2]

Antihistamine.

B,2HCl: Rocastine hydrochloride, *USAN*.

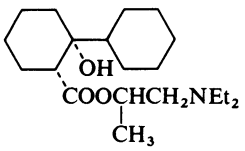
Fumarate (1:1): [104609-88-3]. Cryst. (2-propanol). Mp 130-133°.

U.S.P., 4 592 866, (*1986*); *CA*, **106**, 67360 (*synth, pharmacol*)
U.S.P., 4 705 853, (*1987*); *CA*, **109**, 231085s (*synth*)
Bergman, J. *et al*, *J. Pharmacol. Exp. Ther.*, 1988, **245**, 471 (*pharmacol*)

Rociverine, INN **R-00071**

2-(Diethylamino)-1-methylethyl 1-hydroxy[1,1-bicyclohexyl]-2-carboxylate, 9CI. *Rilaten. LG 30158*

[53716-44-2]



$C_{20}H_{37}NO_3$ M 339.517

Spasmolytic agent.

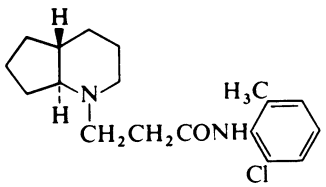
B,HCl: [67901-35-3].

Toson, G. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1130 (*pharmacol*)
Ger. Pat., 2 947 160, (*1980*); *CA*, **93**, 204156k (*synth*)
Guelfi, M. *et al*, *Farmaco, Ed. Prat.*, 1981, **36**, 374 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13217.

Rodocaine, USAN, INN **R-00072**

N-(2-Chloro-6-methylphenyl)octahydro-1H-1-pyrindine-1-propanamide, 9CI. *R 19317*

[38821-80-6]



$C_{18}H_{25}ClN_2O$ M 320.861

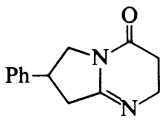
Local anaesthetic. Mp 109-110°.

Van Bever, W.F.M. *et al*, *J. Med. Chem.*, 1973, **16**, 394 (*synth, pharmacol*)

Rofelodine, INN **R-00073**

2,6,7,8-Tetrahydro-7-phenylpyrrolo[1,2-a]pyrimidin-4(3H)-one, 9CI

[76696-97-4]



$C_{13}H_{14}N_2O$ M 214.266

Mp 99°.

(±)-*form*

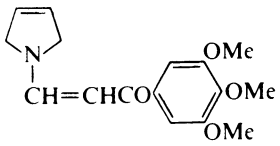
Antidepressant. Inhibits reserpine-induced ptosis.

Eur. Pat., 15 171, (*1980*); *CA*, **94**, 103373u (*synth, pharmacol*)
Langlois, M. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 393 (*synth*)

Roletamide, USAN, INN **R-00074**

3-(2,5-Dihydro-1H-pyrrol-1-yl)-1-(3,4,5-trimethoxyphenyl)-2-propen-1-one, 9CI. *3',4',5'-Trimethoxy-3-(3-pyrrolin-1-yl)acrylophenone*, 8CI. *CL 59112*

[10078-46-3]



$C_{16}H_{19}NO_4$ M 289.330

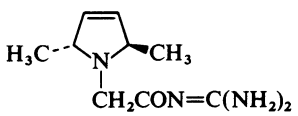
Hypnotic. Mp 134-135°.

Belg. Pat., 670 495, (*1966*); *CA*, **65**, 13615a (*synth, pharmacol*)

Rolgamidine, BAN, INN, USAN **R-00075**

N-(Aminoiminomethyl)-2,5-dihydro-2,5-dimethyl-1H-pyrrole-1-acetamide, 9CI. *N-(Diaminomethylene)-2-(2,5-dimethyl-3-pyrrolin-1-yl)acetamide*

[66608-04-6]



$C_9H_{16}N_4O$ M 196.252

Antidiarrhoeal and antiulcer agent.

(*2R*,5R)-*form*** [97997-45-0]

(+)-trans-*form*

B,2HCl: [97997-52-9]. Mp 209-211.5°. $[\alpha]_D^{22}$ +142.6° (c, 0.94 in MeOH).

(*2RS,5RS*)-*form*

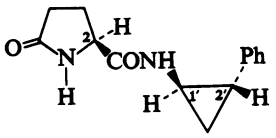
(±)-trans-*form*

B,2HCl: [65767-06-8]. *Wy 25021*. Mp 215-217°.

Belg. Pat., 855 392, (*1977*); *CA*, **88**, 190586h (*synth, pharmacol*)
Beattie, D.E. *et al*, *J. Med. Chem.*, 1985, **28**, 1617 (*synth, pharmacol*)

Rolicypram, BAN **R-00076**

*5-Oxo-*N*-(2-phenylcyclopropyl)-2-pyrrolidinecarboxamide,* 9CI. ***Rolicyprine,*** *USAN, INN. Cypromin. Ex 4883. RMI 83027*



$C_{14}H_{16}N_2O_2$ M 244.293

(2S,1'R*,2R*)-form [2829-19-8]

L-trans-*form*

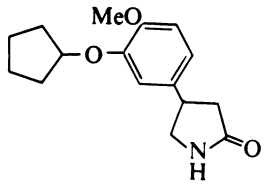
Antidepressant. Cryst. (H_2O). Mp 144-147°. $[\alpha]_D^{25}$ +104.28° (DMF).

B.P., 961 313, (*1964*); *CA*, **61**, 6954 (*synth*)
B.P., 1 000 895, (*1965*); *CA*, **63**, 16307 (*synth, use*)
McMonigle, J.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1969, **178**, 53 (*pharmacol*)
Lowe, M.C. *et al*, *Eur. J. Pharmacol.*, 1973, **21**, 46 (*pharmacol*)

Rolipram, USAN, INN **R-00077**

4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-2-pyrrolidinone, 9CI. *ZK 62711*

[61413-54-5]



$C_{16}H_{21}NO_3$ M 275.347

(±)-*form*

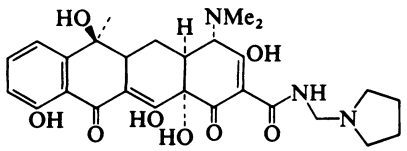
Tranquilliser.

Schwabe, U. *et al*, *Mol. Pharmacol.*, 1976, **12**, 900 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13218.

Rolitetracycline, BAN, USAN, INN **R-00078**

*4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-*N*-(1-pyrrolidinylmethyl)-2-naphthacenecarboxylic acid,* 9CI. N-(*1-Pyrrolidinylmethyl*)*tetracycline. Bristacin. Reverin. Syntetrin. Tetraverin. Velacycline. Other proprietary names*

[751-97-3]



$C_{27}H_{33}N_3O_8$ M 527.573

Semisynthetic tetracycline. Obt. from Tetracycline by a Mannich reaction. Clinically used antibiotic. Shows greater solubility than Tetracycline. Pale-yellow needles. Mp 162-165°.

▷QI9150000.

B, HNO_3: [20685-78-3]. *Pyrrocycline* N. *Tetrex PMT.* Clinically used deriv. Cryst. + $6H_2O$.

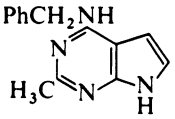
▷QI9160000.

Gottstein, W.J. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1198 (*synth*)
Ther, L. *et al*, *Arzneim.-Forsch.*, 1959, **9**, 63 (*pharmacol*)
Dimmling, T. *et al*, *Antibiotics Ann.*, 1959-60, 350, 365 (*pharmacol*)
Butterfield, A.G. *et al*, *Antimicrob. Agents Chemother.*, 1973, **4**, 11 (*chromatg*)
Mazzola, E.P. *et al*, *J. Pharm. Sci.*, 1980, **69**, 229 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7548.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 149, 150.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2344.

Rolodine, USAN, INN **R-00079**

*2-Methyl-*N*-(phenylmethyl)-7*H*-pyrrolo[2,3-d]-pyrimidin-4-amine,* 9CI. *4-(Benzylamino)-2-methyl-7*H*-pyrrolo[2,3-*d*]pyrimidine,* 8CI. *NSC 106570. BW 58-271*

[1866-43-9]



$C_{14}H_{14}N_4$ M 238.291

Skeletal muscle relaxant. Mp 205-207°.

▷UY8925000.

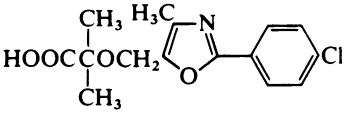
B,HCl: Mp 223-224°.

West, R.A. *et al*, *J. Org. Chem.*, 1961, **26**, 3809 (*synth*)
Norton, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1966, **154**, 152 (*pharmacol*)

Romazarit, BAN, INN **R-00080**

2-[[2-(4-Chlorophenyl)-4-methyl-5-oxazolyl]-methoxy]-2-methylpropanoic acid, 9CI. *Ro 31-3948*

[109543-76-2]



$C_{15}H_{16}ClNO_4$ M 309.749

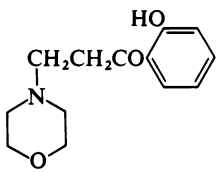
Antiinflammatory, antiarthritic agent. Cryst. (EtOAc). Mp 166-167°.

Eur. Pat., 220 573, (*1987*); *CA*, **107**, 96707 (*synth, pharmacol*)

Romifenone, INN **R-00081**

1-(2-Hydroxyphenyl)-3-(4-morpholinyl)-1-propanone, 9CI. *2'-Hydroxy-3-morpholinopropiophenone*

[38373-83-0]



$C_{13}H_{17}NO_3$ M 235.282

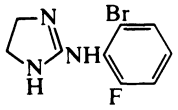
Antiseptic. Cryst. ($EtOH/Me_2CO$). Mp 193-195°.

Taylor, E.D. *et al*, *J. Am. Pharm. Assoc. Sci. Ed.*, 1960, **49**, 317 (*synth, props*)
Kuliev, A.M. *et al*, *Zh. Org. Khim.*, 1972, **8**, 1301 (*synth, ir, nmr*)

Romifidine, INN **R-00082**

N-(*2-Bromo-6-fluorophenyl*)-*4,5-dihydro-1*H-*imidazol-2-amine*, *9CI*

[65896-16-4]



$C_9H_9BrFN_3$ M 258.093

Antihypertensive agent. Veterinary sedative.

B,HCl: [65896-14-2]. Mp 259-262°.

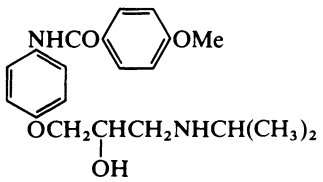
Ger. Pat., 2 630 060, (*1978*); *CA*, **88**, 121184 (*synth, pharmacol*)

Ger. Pat., 3 437 694, (*1986*); *CA*, **105**, 72691 (*pharmacol*)

Ronactolol, INN **R-00083**

N-[*4-*[*2-Hydroxy-3-*[(*1-methylethyl*)*amino*]*propoxy*]-*phenyl*]-*4-methoxybenzamide*, *9CI*. *1-Isopropylamine-3*[*4-*(p-*methoxybenzamide*)*phenoxy*]-*2-propanol*

[90895-85-5]



$C_{20}H_{26}N_2O_4$ M 358.436

(±)-***form***

β-Sympatholytic agent. Cryst. (propanol). Mp 174-176°.

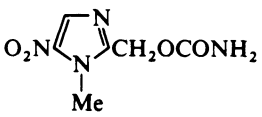
B,HCl: Cryst. (EtOH). Mp 208-210°.

Eur. Pat., 100 051, (*1984*); *CA*, **101**, 38220 (*synth*)

Ronidazole, BAN, USAN, INN **R-00084**

*1-Methyl-5-nitro-1*H-*imidazole-2-methanol carbamate*, *9CI*. *Dugro. Duodegran. Gambamix. Ridzole. MCMN*

[7681-76-7]



$C_6H_8N_4O_4$ M 200.154

Veterinary antiprotozoal agent. Pale-yellow cryst. Mp 167-169°. pK_a 1.2.

▷NI6803000.

B.P., 1 203 958, (*1970*); *CA*, **74**, 31756h (*synth, pharmacol*)

Bogan, J.A. *et al*, *Drugs of Today*, 1977, **13**, 510 (*rev*)

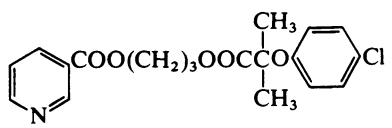
Winkelmann, E. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 739 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13219.

Ronifibrate, INN **R-00085**

3-Pyridinecarboxylic acid 3-[*2-*(*4-chlorophenoxy*)*-2-methyl-1-oxopropoxy*]*propyl ester*, *9CI*. *Cloprane. I 612*

[42597-57-9]



$C_{19}H_{20}ClNO_5$ M 377.824

Antilipidaemic agent.

Takashima, M. *et al*, *CA*, 1976, **84**, 16904 (*synth, pharmacol*)

Buzzelli, G. *et al*, *Clin. Ter.*, 1979, **89**, 251 (*pharmacol*)

Ronipamil, INN **R-00086**

α-*Dodecyl-α-*[*3-*[*methyl*(*2-phenylethyl*)*amino*]*propyl*]-*benzeneacetonitrile*, *9CI*. *1,7-Diphenyl-3-methylaza-7-cyanononadecane*

[85247-77-4]

$PhCH_2CH_2N(Me)(CH_2)_3C(Ph)(CN)(CH_2)_{11}CH_3$

$C_{32}H_{48}N_2$ M 460.745

(±)-***form***

Antiarrhythmic agent.

B,HCl: Mp 112-115°.

Eur. Pat., 64 158, (*1982*); *CA*, **98**, 160449 (*synth, props*)

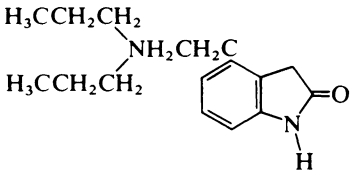
Hock, C.E. *et al*, *Pharm. Res.*, 1985, 130.

Curtis, M.J. *et al*, *Br. J. Pharmacol.*, 1986, **88**, 355 (*pharmacol*)

Ropinirole, BAN, INN **R-00087**

4-[*2-*(*Dipropylamino*)*ethyl*]-*1,3-dihydro-2*H-*indol-2-one*, *9CI*. *SKF 101468*

[91374-21-9]



$C_{16}H_{24}N_2O$ M 260.378

Dopamine receptor agonist.

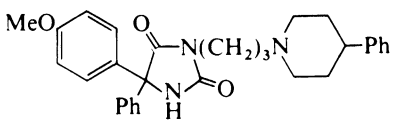
B,HCl: [91374-20-8]. Mp 241-243°.

Gallagher, G. *et al*, *J. Med. Chem.*, 1985, **28**, 1533 (*synth*)

Ropitoin, INN **R-00088**

5-(*4-Methoxyphenyl*)*-5-phenyl-3-*[*3-*(*4-phenyl-1-piperidinyl*)*propyl*]-*2,4-imidazolidinedione*, *9CI*

[56079-81-3]



$C_{30}H_{33}N_3O_3$ M 483.609

(±)-***form***

Antiarrhythmic drug. Cryst. (2-propanol aq.). Mp 134-136°.

B,HCl: [56079-80-2]. *Ropitoin hydrochloride*, *USAN*. *TR 2985*. Cryst. (2-propanol/MeOH/Et_2O). Mp 226-227° dec.

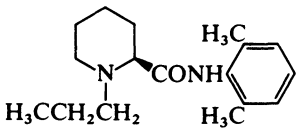
U.S.P., 4 006 232, (*1977*); *CA*, **87**, 5968 (*synth*)

Vidrio, H. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 12 (*pharmacol*)

Lynch, J. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 475 (*pharmacol*)

Ropivacaine, INN **R-00089**

N-(2,6-Dimethylphenyl)-1-propyl-2-piperidinecarboxamide, 9CI. *1-Propyl-2′,6′-pipecoloxylidide*



(*S*)-form

$C_{17}H_{26}N_2O$ M 274.405

Local anaesthetic.

(S)-form [84057-95-4]

Cryst. (toluene). Mp 144-146°. $[\alpha]_D^{25}$ −82° (c, 2 in MeOH).

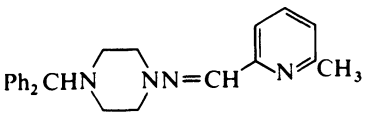
B,HCl: [98717-15-8]. Cryst. (2-propanol). Mp 260-262°. $[\alpha]_D^{25}$ −6.6° (c, 2 in H_2O).

U.S.P., 4 695 576, (*1987*); *CA*, **108**, 75228 (*synth, pharmacol*)
Sahlberg, C., *J. Labelled Compd. Radiopharm.*, 1987, **24**, 529 (*synth*)

Ropizine, USAN, INN **R-00090**

4-(Diphenylmethyl)-N-[(6-methyl-2-pyridinyl)-methylene]-1-piperazinamine, 9CI. *1-(Diphenylmethyl)-4-[[(6-methyl-2-pyridyl)methylene]amino]piperazine,* 8CI. *SC 13504*

[3601-19-2]



$C_{24}H_{26}N_4$ M 370.496

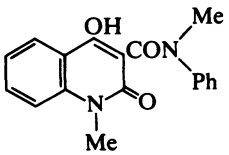
Anticonvulsant. Mp 105-107°.

Belg. Pat., 623 058, (*1963*); *CA*, **60**, 9291h (*synth, pharmacol*)
Ellefson, C.R. *et al*, *J. Med. Chem.*, 1976, **19**, 1161 (*pharmacol*)
Edmonds, H.L. *et al*, *J. Pharmacol. Exp. Ther.*, 1979, **208**, 236 (*pharmacol*)

Roquinimex, INN **R-00091**

1,2-Dihydro-4-hydroxy-N,1-dimethyl-2-oxo-N-phenyl-3-quinolinecarboxamide, 9CI. *Linomide. LS 2616*

[84088-42-6]



$C_{18}H_{16}N_2O_3$ M 308.336

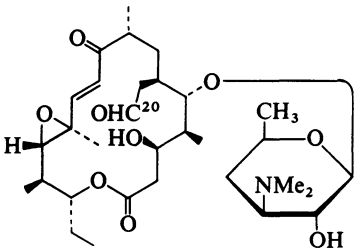
Immunomodulator. Mp 200-204°.

Eur. Pat., 59 698, (*1982*); *CA*, **98**, 34513 (*synth, pharmacol*)
Kalland, T. *et al*, *J. Immunol.*, 1985, **134**, 3956 (*pharmacol*)
Tarkowski, A. *et al*, *Immunology*, 1986, **59**, 589 (*pharmacol*)

Rosamicin **R-00092**

4′-Deoxycirramycin A_1, 9CI. ***Rosaramicin,*** *BAN, USAN, INN. Juvenimicin* A_3. *M 4365*A_2. *Sch 14947. Antibiotic M 4365*A_2

[35834-26-5]



$C_{31}H_{51}NO_9$ M 581.745

Macrolide antibiotic. Isol. from *Micromonospora rosaria* and *M. capillata*. Antibacterial agent with broad spectrum of activity. Cryst. ($CHCl_3$). Mp 119-122°. $[\alpha]_D^{26}$ −35° (EtOH), $[\alpha]_D^{24}$ −17.6° (c, 0.29 in $CHCl_3$). λ_{max} 240 nm (ε 14 600) (MeOH).

▷JG6800000.

NaH_2PO_4 salt: [60802-40-6]. *Rosaramicin sodium phosphate,* USAN.

Octadecanoate (salt): [51547-64-9]. *Rosaramicin stearate,* USAN.

2′-Propanoate: [51481-64-2]. ***Rosaramicin propionate, USAN. Sch 17894.***

$C_{34}H_{55}NO_{10}$ M 637.809

Antibacterial agent.

2′-Butanoate: [55103-30-5]. ***Rosaramicin butyrate, USAN. Sch 18667.*** Antibacterial agent.

2′,3-Di-Ac: [40554-85-6]. $[\alpha]_D^{22}$ −17.5° (c, 0.48 in EtOH).

20-Deoxo: [59227-84-8]. ***Antibiotic M 4365A1. M 4365A1.***

$C_{31}H_{53}NO_8$ M 567.762

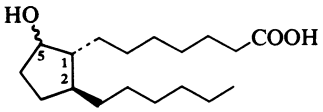
From *M. capillata*. Mainly active against gram-positive bacteria. Amorph. powder. Mp 97-101°. $[\alpha]_D^{26}$ −14° (c, 0.02 in MeOH).

Reimann, H. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 1270 (*isol, struct, spectra*)
Waitz, J.A. *et al*, *J. Antibiot.*, 1972, **25**, 647 (*isol*)
Ganguly, A.K. *et al*, *J. Antibiot.*, 1976, **29**, 976 (*biosynth*)
Hatano, K. *et al*, *J. Antibiot.*, 1976, **29**, 1163 (*isol, props*)
Kishi, T. *et al*, *J. Antibiot.*, 1976, **29**, 1171 (*struct*)
Kinumaki, A. *et al*, *J. Antibiot.*, 1977, **30**, 450 (*struct*)
Suzuki, M. *et al*, *Heterocycles*, 1977, **8**, 199 (*ms*)
Ganguly, A.K. *et al*, *Tetrahedron Lett.*, 1980, 4699 (*cryst struct*)
Puar, M.S. *et al*, *J. Antibiot.*, 1981, **34**, 602; 1982, **35**, 381 (*cmr, conformn*)
Puar, M.S. *et al*, *J. Antibiot.*, 1982, **35**, 381 (*cmr*)
Ganguly, A.K. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 1166 (*synth, deriv*)
Lin, C.C. *et al*, *Antimicrob. Agents Chemother.*, 1986, **29**, 753 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 151.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2371.

Rosaprostol, INN **R-00093**

2-Hexyl-5-hydroxycyclopentaneheptanoic acid, 9CI. 9-Hydroxy-19,20-bisnorprostanoic acid. Rosal. IBI-C 83

[56695-65-9]



$C_{18}H_{34}O_3$ M 298.465

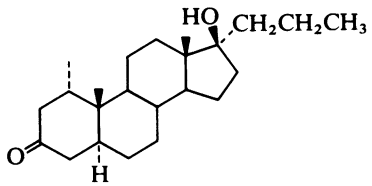
Mix. of (1*RS*,2*SR*,5*RS*) and (1*RS*,2*SR*,5*SR*)-forms. Platelet-aggregation inhibitor. Antiulcer agent.

Valcavi, U. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 527 (*synth*)
Ger. Pat., 2 535 343, (*1976*); *CA*, **85**, 32512q (*synth, pharmacol*)
Valcavi, U. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 657 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16980.

Rosterolone, INN **R-00094**

17-Hydroxy-1-methyl-17-propylandrostan-3-one, 9CI. 17-Propylmesterolone

[79243-67-7]



$C_{23}H_{38}O_2$ M 346.552

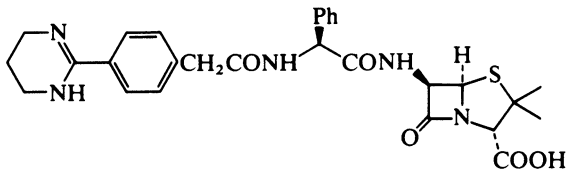
Antiandrogen. Used in treatment of acne. Oil. $[\alpha]_D^{23}$ +7.5° ($CHCl_3$).

Ger. Pat., 2 943 776, (*1981*); *CA*, **95**, 151023 (*synth*)
Krause, W. *et al*, *J. Pharm. Sci.*, 1984, **73**, 563 (*glc, ms*)
Schmidt, J.B. *et al*, *Endocrinol. Exp.*, 1987, **21**, 71 (*pharmacol*)

Rotamicillin, INN **R-00095**

6-[2-Phenyl-2-[2-[p-(1,4,5,6-tetrahydro-2-pyrimidinyl)phenyl]acetamido]acetamido]pencillanic acid

[55530-41-1]



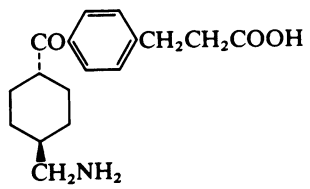
$C_{28}H_{31}N_5O_5S$ M 549.643

Antibiotic.

Ger. Pat., 2 458 973, (*1976*); *CA*, **85**, 192719 (*synth, pharmacol*)

Rotraxate, INN **R-00096**

p-[[(4-Aminomethyl)cyclohexyl]carbonyl]-hydrocinnamic acid. 3-[p-(4-Aminomethylcyclohexylcarbonyl)phenyl]propanoic acid. TEI-5103



trans-form

$C_{17}H_{23}NO_3$ M 289.374

trans-form [92071-51-7]

Antiulcerogenic agent.

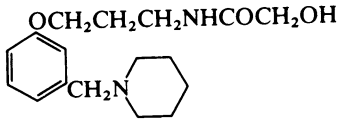
B,HCl: [82085-94-7]. Cryst. (H_2O). Mp 245° dec.
Me ester; B,HCl: [102196-03-2]. Cryst. (Me_2CO aq.). Mp 235° dec.

Hoshina, K. *et al*, *Arzneim.-Forsch.*, 1985, **35**, 493 (*pharmacol*)
Takeshita, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 5059; 1986, **34**, 3900 (*synth, cryst struct*)

Roxatidine, BAN, INN **R-00097**

2-Hydroxy-N-[3-[3-(1-piperidinylmethyl)phenoxy]-propyl]acetamide, 9CI. N-[3-(α-Piperidino-m-tolyloxy)-propyl]glycolamide

[78273-80-0]



$C_{17}H_{26}N_2O_3$ M 306.404

Antiulcerogenic, histamine H_2-receptor antagonist. Mp 170-172° (as oxalate).

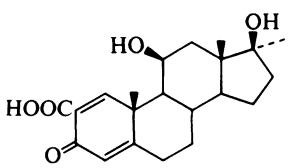
B,HCl: [97900-88-4]. *Hoe 062.*
O-*Ac:* [78628-28-1]. *2-(Acetyloxy-N-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]acetamide, 9CI.* ***Roxatidine acetate, BAN.*** *Aceroxatidine. Pifatidine.*
$C_{19}H_{28}N_2O_4$ M 348.441
Antiulcerogenic, histamine H_2-receptor antagonist. Mp 59-60°.
O-*Ac; B,HCl:* [93793-83-0]. *Altat. Xarcin. Hoe 760. TZU 0460.* Mp 145-146°.

Eur. Pat., 24 510, (*1981*); *CA*, **95**, 80465 (*synth*)
Tarutani, M. *et al*, *Arzneim-Forsch.*, 1985, **35**, 703 (*pharmacol, acetate*)
Bickel, M. *et al*, *Arzneim-Forsch.*, 1986, **36**, 1358 (*pharmacol*)
Honma, S. *et al*, *Drug Metab. Dispos.*, 1987, **15**, 551 (*metab, acetate*)
Iwamura, S. *et al*, *J. Chromatogr.*, 1987, **413**, 370 (*hplc*)
In, Y. *et al*, *Chem. Pharm. Bull.*, 1988, **36**, 2295 (*cryst struct*)
Scholtholt, J. *et al*, *Drugs*, 1988, **35**, 30, 41 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2430.

Roxibolone, INN **R-00098**

11,17-Dihydroxy-17-methyl-3-oxoandrosta-1,4-diene-2-carboxylic acid, 9CI. BR 906

[60023-92-9]



$C_{21}H_{28}O_5$ M 360.449

Anticholesteraemic agent. Anabolic. Mp 75° dec. $[\alpha]_D^{25}$ −39.1° (c, 1 in dioxan).

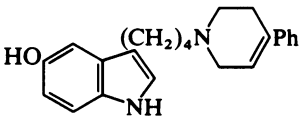
Decyl ester: [60023-91-8]. *Decylroxibolone. BR 917.*
$C_{31}H_{48}O_5$ M 500.717
Anabolic. Mp 66-67°.

Fellipone, F. *et al*, *Steroids*, 1984, **43**, 271 (*synth, pharmacol*)
Berti, F. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1369, 1372 (*pharmacol*)

Roxindole, INN **R-00099**

3-[4-(3,6-Dihydro-4-phenyl-1(2H)-pyridinyl)butyl]-1H-indol-5-ol, 9CI

[112192-04-8]



$C_{23}H_{26}N_2O$ M 346.471

Dopamine agonist.

B,HCl: [108050-82-4]. *EMD 38362.*

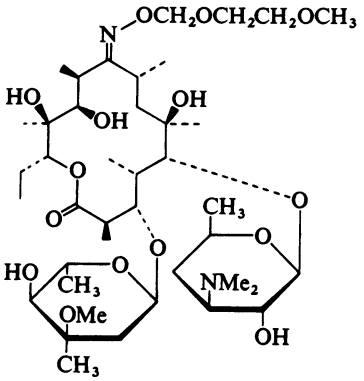
Ger. Pat., 3 419 935, (*1985*); *CA*, **104**, 74999v (*use*)

Seyfried, C.A. *et al, Dopaminergic Syst. Their Regul.*, [*Proc. Symp.*], 1986, 375 (*pharmacol*)

Roxithromycin, INN, USAN **R-00100**

Erythromycin 9-[O-[(2-methoxyethoxy)methyl]oxime], 9CI. *RU 28965. Antibiotic RU 28965*

[80214-83-1]



$C_{41}H_{76}N_2O_{15}$ M 837.056

Macrolide antibiotic. Semisynthetic. Shows a similar range of activity to Erythromycin but is much more active *in vivo.*

Fr. Pat., 2 473 525, (*1981*); *CA*, **96**, 123219 (*synth*)

Jones, R.N. *et al, Antimicrob. Agents Chemother.*, 1983, **24**, 209 (*props*)

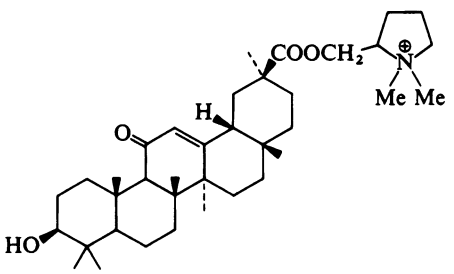
Barlam, T. *et al, Antimicrob. Agents Chemother.*, 1984, **25**, 529 (*props*)

Chantot, J.-F. *et al, J. Antibiot.*, 1986, **39**, 661 (*props*)

Phillips, I. *et al*, Eds., *J. Antimicrob. Chemother.*, 1987, **20**, Suppl. B (*book*)

Roxolonium(1+) **R-00101**

3-Hydroxy-11-oxo-12-oleanen-29-oic acid (1,1-dimethylpyrrolidinium-2-yl)methyl ester, 9CI



$C_{37}H_{60}NO_4^{\oplus}$ M 582.885 (ion)

Deriv. of Glycyrrhetic acid, G-00072 . Antiulcer agent.

Bromide: [53862-78-5].

$C_{37}H_{60}BrNO_4$ M 662.789

Methylsulfate: [53862-80-9]. *Roxolonium metisulfate, INN. Lan 63.* Cryst. (EtOH aq.). Mp 271-275°.

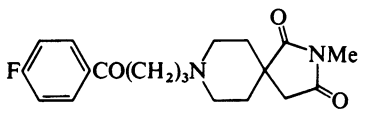
Ger. Pat., 2 423 491, (*1975*); *CA*, **84**, 59794 (*synth*)

B.P., 1 447 162, (*1976*); *CA*, **86**, 90091 (*synth, pharmacol*)

Roxoperone, INN **R-00102**

8-[3-(p-Fluorobenzoyl)propyl]-2-methyl-2,8-diazaspiro[4.5]decane-1,3-dione, 8CI. *FR 33. R 7158*

[2804-00-4]



$C_{19}H_{23}FN_2O_3$ M 346.401

Neuroleptic agent.

▷HM2650000.

B,HCl: [2804-01-5]. Mp 285-286°.

Fr. Pat., M1741, (*1963*); *CA*, **59**, 10002e (*synth*)

Mishkinsky, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94 (*pharmacol*)

Rubidium chloride **R-00103**

[7791-11-9]

RbCl

ClRb M 120.921

Cryst. Mp 715°. Bp 1390°. ^{86}Rb labelled cpd. is used as a radioactive agent.

▷VL8575000.

White, F.B. *et al, Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., Wiley-Interscience, 1978-1984, **20**, 497.

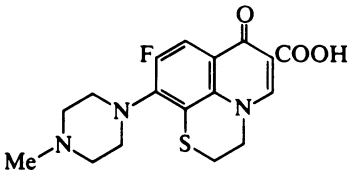
Ando, A. *et al, Int. J. Nucl. Med. Biol.*, 1984, **11**, 195 (*use*)

Sax, N.I. *et al, Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 2985.

Rufloxacin, INN **R-00104**

9-Fluoro-2,3-dihydro-10-(4-methyl-1-piperazinyl)-7-oxo-7H-pyrido[1,2,3-de]-1,4-benzothiazine-6-carboxylic acid, 9CI. *MF 934*

[101363-10-4]



$C_{17}H_{18}FN_3O_3S$ M 363.406

Antibacterial agent.

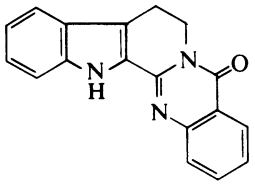
B,HCl: [106017-08-7]. Cryst. (EtOH aq.). Mp 322-324°.

Cecchetti, V. *et al, J. Med. Chem.*, 1987, **30**, 465 (*synth, pharmacol*)

Rutaecarpine R-00105

8,13-Dihydroindolo[2',3':3,4]pyrido[2,1-b]quinazolin-5(7H)-one, 9CI. Rhetine

[84-26-4]



$C_{18}H_{13}N_3O$ M 287.320

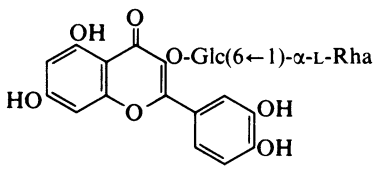
A major component of the Chinese drug Wou-chou-yu (the dried fruit of *Evodia rutaecarpa*). Also isol. from the bark of *Hortia arborea* and *H. badinii*, and from the root wood of *Zanthoxylum integrifoliolum* (Rutaceae). Antihypertensive agent. *E. rutaecarpa* is used in Chinese medicine against headache, abdominal pain, dysentery and cholera. Cryst. (EtOAc, C_6H_6, EtOH or AcOH). Mp 259.5-260°.

Asahina, Y. *et al*, *J. Chem. Soc.*, 1927, 1708 (*synth*)
Pachter, I.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 5187 (*isol*)
Yamazaki, M. *et al*, *Tetrahedron Lett.*, 1966, 3221; 1967, 3317 (*biosynth*)
de Barros Corrêa, D. *et al*, *Phytochemistry*, 1975, **14**, 2059 (*isol*)
Kametani, T. *et al*, *Heterocycles*, 1976, **4**, 23; 1487; *J. Am. Chem. Soc.*, 1976, **98**, 6186 (*synth, uv, ir, pmr, ms*)
Tamás, J. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1976, **89**, 85 (*ms*)
Toth, G. *et al*, *Justus Liebigs Ann. Chem.*, 1977, 529 (*cmr*)
Danieli, B. *et al*, *Heterocycles*, 1978, **9**, 803 (*synth*)
Kametani, T. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 2306; *Chem. Pharm. Bull.*, 1978, **26**, 1922 (*synth*)
Kökösi, J. *et al*, *Tetrahedron Lett.*, 1981, 4861 (*synth*)
Bergman, J. *et al*, *J. Org. Chem.*, 1985, **50**, 1246 (*synth*)
Kaneko, C. *et al*, *Heterocycles*, 1985, **23**, 1385 (*synth*)

Rutin R-00106

Quercetin 3-β-D-rutinoside. ***Rutoside, INN.*** *Numerous archaic trivial names*

[153-18-4]



$C_{27}H_{30}O_{16}$ M 610.524

Constit. of tomato stems, tobacco leaves, rue leaves and many flowers. Antihaemorrhagic. Yellow cryst. + $3H_2O$ (H_2O). Mp 214-215° dec. (anhyd.). $[\alpha]_D^{23}$ +13.82° (EtOH).

▷VM2975000.

O^7-(2-Hydroxyethyl): [23869-24-1]. ***Monoxerutin INN.*** *Mono-7-HR. Z 12007.*
$C_{29}H_{34}O_{17}$ M 654.577
Vasodilator; antihaemorrhagic.

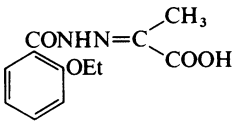
4'-(2-Morpholinylethyl) ether: [30851-76-4]. ***Ethoxazorutoside, INN.*** *Ethoxazorutin. Solarutine. Solurutine.*
$C_{33}H_{41}NO_{17}$ M 723.683
Antihaemorrhagic. Mp 135°.

U.S.P., 2 646 428, (*1953*); *CA*, **48**, 8269 (*Ethoxazorutoside*)
Griffith, J.Q., *Rutin and Related Flavonoids*, 1955, Mack, Easton.
Fr. Pat., 1 434 376, (*1966*); *CA*, **66**, 29043 (*Ethoxazorutoside*)
Hörhammer, L. *et al*, *Tetrahedron Lett.*, 1966, 567 (*synth*)
Swiss Pat., 458 389, (*1968*); *CA*, **70**, 68714m (*Monoxerutin*)
Schmid, R.D., *Tetrahedron*, 1972, **28**, 3259 (*ms*)
Wenkert, E. *et al*, *Phytochemistry*, 1977, **16**, 1811 (*cmr*)
Khalifa, T.I. *et al*, *Anal. Profiles Drug Subst.*, 1983, **12**, 623 (*rev*)
Voelter, W. *et al*, Eds., *D-(β-Hydroxyethyl)*rutoside: New Results, Springer-Verlag, Berlin, 1983 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15304.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7530 (*synonyms*)

Ruvazone, INN R-00107

o-Ethoxybenzoic acid (1-carboxyethylidene)hydrazide, 8CI. Etoxidrazone. M 6/42

[20228-27-7]



$C_{12}H_{14}N_2O_4$ M 250.254

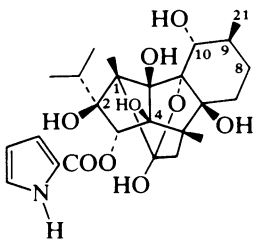
Analgesic, antiinflammatory agent. Mp 184-186°.

▷DG9872300.

Chelardoni, M. *et al*, *Chim. Farm.*, 1970, **109**, 245 (*synth, pharmacol*)
Pisanti, N. *et al*, *Farmaco, Ed. Sci.*, 1972, **27**, 919 (*pharmacol*)

Ryanodine R-00108

[15662-33-6]



$C_{25}H_{35}NO_9$ M 493.553

Alkaloid from *Ryania speciosa* (Flacourtiaceae). Calcium transport blocker. Insecticide. Tan solid. Mp 219-220°. $[\alpha]_D^{25}$ +26° (c, 1.02 in MeOH). Hydrol. yields 2-Pyrrolecarboxylic acid and Ryanodol.

▷VM4025000.

9,21-Didehydro: [94513-55-0]. ***Dehydroryanodine.*** *9,21-Didehydroryanodine.*
$C_{25}H_{33}NO_9$ M 491.537
Second most abundant ryanodine-type alkaloid from *R. speciosa* (Flacourtiaceae). Mp 175-179°.

10-Epimer, 9α-hydroxy: **Ryania *Diterpene ester* C_1.**
$C_{25}H_{35}NO_{10}$ M 509.552
Alkaloid from *R. speciosa* (Flacourtiaceae). Cryst. ($CHCl_3$). Mp 188-190°.

10-Epimer, 8β-hydroxy, O^4-Me: [100082-08-4]. **Ryania *Diterpene ester* A.**
$C_{26}H_{37}NO_{10}$ M 523.579
Alkaloid from *R. speciosa* (Flacourtiaceae).

10-Deoxy, 9,10-didehydro, 8-oxo: [99964-44-0]. **Ryania *Diterpene ester* B.**
$C_{25}H_{31}NO_9$ M 489.521
Alkaloid from *R. speciosa* (Flacourtiaceae).

9,21-Didehydro, 8β-hydroxy, 10-epimer, O^4-Me: [100082-09-5]. **Ryania *Diterpene ester* D.**
$C_{26}H_{35}NO_{10}$ M 521.563
Alkaloid from *R. speciosa* (Flacourtiaceae).

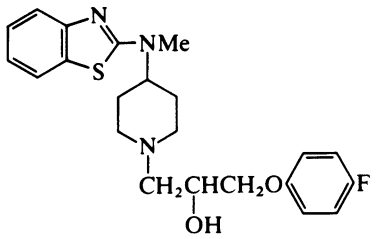
Wiesner, K. *et al*, *Tetrahedron Lett.*, 1966, 221 (*struct*)
Wiesner, K., *Adv. Org. Chem.*, 1972, **8**, 295 (*pmr, rev, struct*)
Bélanger, A. *et al*, *Can. J. Chem.*, 1979, **57**, 3348 (*synth*)
Jones, L.R. *et al*, *J. Biol. Chem*, 1981, **256**, 11809 (*pharmacol*)
Waterhouse, A.L. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 1265 (*Dehydroryanodine*)
Ruest, L. *et al*, *Can. J. Chem.*, 1985, **63**, 2840 (*derivs*)
Waterhouse, A.L. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1985, 1011 (*cmr, pmr*)

S

Sabeluzole, INN **S-00001**

4-(2-Benzothiazolylmethylamino)-α-[(4-fluorophenoxy)methyl]-1-piperidineethanol, 9CI. *R 58735*

[104592-54-3]



$C_{22}H_{26}FN_3O_2S$ M 415.525

(±)-*form* [104383-17-7]

Antiepileptic, antianoxic agent.

B,HCl: Mp 168-178°.

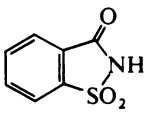
Fumarate (2:1): Mp 169.5°.

Eur. Pat., 184 257, (*1986*); *CA*, **106**, 50191 (*synth, pharmacol*)
Wauquier, A. *et al, Drug Dev. Res.*, 1986, **8**, 373, 381 (*pharmacol*)
Clincke, G.H.C. *et al, Psychopharmacology (Berlin)*, 1988, **94**, 52, 527 (*pharmacol*)

Saccharin, USAN **S-00002**

1,2-Benzisothiazol-3(2H)-one 1,1-dioxide, 9CI. *Benzoic sulfimide. o-Sulfobenzoic imide. Saxin. Sweeta. Garantose. Hermesetas. Other synonyms*

[81-07-2]



$C_7H_5NO_3S$ M 183.181

All salts intensely sweet. Widely-used sweetening agent. Cryst. (H_2O). Spar. sol. H_2O. Mp 224°.

▷DE4200000.

Na salt (1:1): [128-44-9]. *Saccharin sodium,* USAN. *Sucaryl.*

▷DE4550000.

Ca salt (2:1): [6485-34-3]. *Saccharin calcium,* USAN.

▷DE4250000.

N-*Me:* [15448-99-4].
$C_8H_7NO_3S$ M 197.208
Mp 131-132°.

N-*Et:* [18712-20-4].
$C_9H_9NO_3S$ M 211.235
Mp 93-94°.

N-*Br:* [35812-01-2].
$C_7H_4BrNO_3S$ M 262.078
Pale-yellow cryst. (CCl_4). Mp 170-172°.

N-(*2-Nitrobenzenesulfenyl*):
$C_{13}H_8N_2O_5S_2$ M 336.337
Reagent for peptide synth. Mp 185-186° dec.

Benzoyl: [37952-93-5].
$C_{14}H_9NO_4S$ M 287.289
Mp 250° dec.

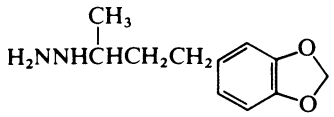
Oxime:
$C_7H_6N_2O_3S$ M 198.196
Mp 208-210° dec.

Remsen, I., *Ber.*, 1879, **12**, 469 (*synth*)
Ziegler, K. *et al, Justus Liebigs Ann. Chem.*, 1942, **551**, 80.
Hettler, H., *Adv. Heterocycl. Chem.*, 1973, **15**, 233 (*rev*)
Sánchez, E.I. *et al, Synthesis*, 1976, 736 (*synth*)
Ball, L.M. *et al, Xenobiotica*, 1977, **7**, 189 (*metab, Na salt*)
Sweatman, T.W. *et al, Xenobiotica*, 1981, **11**, 531 (*pharmacol*)
Sánchez, E.I. *et al, J. Org. Chem.*, 1982, **47**, 1588.
Stassinopoulou, C.I. *et al, Org. Magn. Reson.*, 1983, **21**, 187 (*pmr*)
Byard, J.L., *Adv. Exp. Med. Biol.*, 1984, **177**, 147 (*rev, metab, tox*)
Nasser, F.A. *et al, J. Organomet. Chem.*, 1984, **266**, 225 (*synth*)
Zubair, M.U. *et al, Anal. Profiles Drug Subst.*, 1984, **13**, 487 (*rev*)
Renwick, A.G., *Food Chem.*, 1985, **16**, 281 (*metab*)
Romani, S. *et al, Synthesis*, 1985, 512 (*deriv, synth, use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2404, 2406.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 617.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2385.

Safrazine **S-00003**

1-Methyl-3-(3,4-methylenedioxyphenyl)-propylhydrazine. [3-(1,3-Benzodioxol-5-yl)-1-methylpropyl]hydrazine. 1-Piperonyl-2-hydrazinopropane. β-Piperonylisopropylhydrazine

[33419-68-0]



$C_{11}H_{16}N_2O_2$ M 208.260

▷MV7140000.

(±)-*form*

Antidepressant (monoamine oxidase inhibitor). Currently used only in Japan.

B,HCl: [27849-94-1]. *Safra.* Pale-yellow cryst. (EtOH). Mp ca. 120°.

Fr. Pat., 1 349 950, (*1964*); *CA*, **61**, 4270 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2535.

Saipeimine **S-00004**

Struct. unknown

$C_{27}H_{43}NO_4$ M 445.641

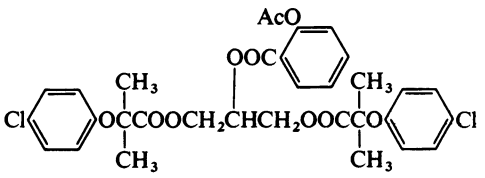
Steroidal alkaloid. Alkaloid from the Chinese drug Beison-pei-mu. Mp 256-258°. λ_{max} 288 nm.

Chu, T.T. *et al, CA*, 1951, **51**, 445.

Salafibrate, INN **S-00005**

2-[2-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]-1-[[2-(4-chlorophenoxy)-2-methyl-1-oxopropoxy]-methyl]ethyl 2-(acetyloxy)benzoate, 9CI. 2-Hydroxy-1-(hydroxymethyl)ethyl salicylate 2-acetate bis[2-(p-chlorophenoxy)-2-methylpropionate]. Asclopan

[64496-66-8]



$C_{32}H_{32}Cl_2O_{10}$ M 647.505

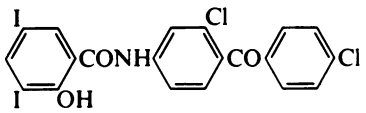
Hypocholesterolaemic agent. Oil.

Ger. Pat., 2 654 951, (*1977*); *CA*, **87**, 201115m (*synth, pharmacol*)

Salantel, USAN, INN **S-00006**

N-[3-Chloro-4-(4-chlorobenzoyl)phenyl]-2-hydroxy-3,5-diiodobenzamide, 9CI. 3'-Chloro-4'-(p-chlorobenzoyl)-3,5-diiodosalicylanilide. R 23050

[36093-47-7]



$C_{20}H_{11}Cl_2I_2NO_3$ M 638.027

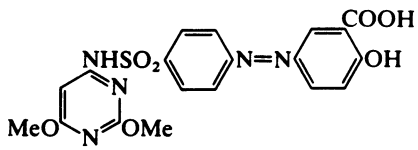
Veterinary anthelmintic. Cryst. (EtOH). Mp 234.5°.

B.P., 1 421 589, (*1973*); *CA*, **79**, 136851s (*synth, pharmacol*)

Salazodimethoxine **S-00007**

5-[[4-[[(2,6-Dimethoxy-4-pyrimidinyl)amino]-sulfonyl]phenyl]azo]-2-hydroxybenzoic acid, 9CI

[40016-88-4]



$C_{19}H_{17}N_5O_7S$ M 459.433

Antibacterial agent. Mp 222-223°.

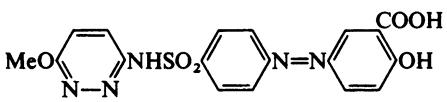
Japan. Pat., 72 32 070, (*1972*); *CA*, **78**, 16210 (*synth*)

Hackmann, E. *et al*, *Boll. Chim. Farm.*, 1975, **114**, 501 (*synth, props*)

Salazodine, INN **S-00008**

2-Hydroxy-5-[[4-[[(6-methoxy-3-pyridazinyl)amino]-sulfonyl]phenyl]azo]benzoic acid, 9CI. 5-[[p-[(6-Methoxy-3-pyridazinyl)sulfamoyl]phenyl]azo]salicylic acid, 8CI. Salazopyridazine. Salazosulfapyridazine. Salicylazosulfamethoxypyridazine

[22933-72-8]



$C_{18}H_{15}N_5O_6S$ M 429.406

Antibacterial. Mp 205-207°.

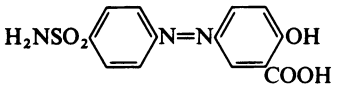
Padeiskaya, E.N. *et al*, *Farmakol. Toksikol.*, 1969, **32**, 467 (*pharmacol*)

U.S.S.R. Pat., 504 766, (*1976*); *CA*, **85**, 33058h (*synth*)

Salazosulfamide, INN **S-00009**

5-[[4-(Aminosulfonyl)phenyl]azo]-2-hydroxybenzoic acid, 9CI. 5-(p-Sulfamoylphenylazo)salicylic acid, 8CI. Azosulfamid 33. Cromo-Sulfol. Lutazol. Oftazol. Ophtazol. Salosept. G 33

[139-56-0]



$C_{13}H_{11}N_3O_5S$ M 321.307

Sulfonamide, antibacterial agent.

K salt: [6101-30-0]. Orange powder. Mp 220°.

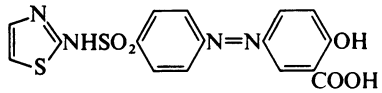
Goissedet, P. *et al*, *Compt. Rend. Soc. Biol.*, 1936, **121**, 1082 (*synth, pharmacol*)

Raicharan, D. *et al*, *J. Indian Chem. Soc.*, 1955, **32**, 679 (*synth*)

Salazosulfathiazole, INN **S-00010**

2-Hydroxy-5-[[4-[(2-thiazolylamino)sulfonyl]phenyl]-azo]benzoic acid, 9CI. 5-[p-(2-Thiazolylsulfamoyl)-phenylazo]salicylic acid, 8CI. Salicylazosulfathiazole. Reutan. Salazothiazole

[515-58-2]



$C_{16}H_{12}N_4O_5S_2$ M 404.415

Sulfonamide, antibacterial, antirheumatic. Light-brown powder. Mp 200° dec.

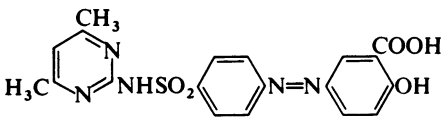
U.S.P., 2 396 145, (*1946*); *CA*, **40**, 3472

Korkuczański, A., *Przem. Chem.*, 1958, **37**, 162 (*synth, pharmacol*)

Salazosulphadimidine, BAN **S-00011**

5-[[4-[[(4,6-Dimethyl-2-pyrimidinyl)amino]sulfonyl]-phenyl]azo]-2-hydroxybenzoic acid, 9CI. 5-[p-[(4,6-Dimethyl-2-pyrimidinyl)sulfamoyl]phenylazo]salicylic acid, 8CI. Salicylazosulfadimidine. Salicylazosulfamethazine. ***Salazosulfadimidine, INN****. Azudimidine. Salazodimidine*

[2315-08-4]



$C_{19}H_{17}N_5O_5S$ M 427.434

Sulphonamide. Antibacterial agent. Brown cryst. Mp 207°.

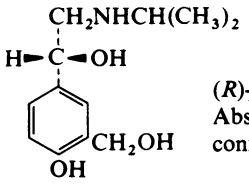
Korkuczański, A., *Przem. Chem.*, 1958, **37**, 162; *CA*, **52**, 13727 (*synth*)

Bottiger, L.E. *et al*, *Acta Med. Scand.*, 1959, **165**, 241 (*metab*)

Salbutamol, BAN, INN S-00012

α'-[[(1,1-Dimethylethyl)amino]methyl]-4-hydroxy-1,3-benzenedimethanol, 9CI. ***Albuterol, USAN.*** *Ventolin. Proventil. Numerous proprietary names*

[18559-94-9]



(*R*)-form
Absolute configuration

$C_{13}H_{21}NO_3$ M 239.314

▷ZE4400000.

(*R*)-form

The more active enantiomer.

B,HCl: [34391-04-3]. Mp 185-195° dec. $[\alpha]_D^{20}$ −32.2° (c, 0.1 in H_2O).

B,AcOH: Mp 144°. $[\alpha]_D$ −36.9° (c, 0.27 in MeOH).

(*S*)-form [34271-50-6]

B,HCl: Mp 185-195° dec. $[\alpha]_D^{20}$ −30.8° (c, 0.1 in H_2O).

(±)-form [35763-26-9]

Bronchodilator, muscle relaxant and topical antiinflammatory agent. Cryst. (EtOAc/cyclohexane). Mp 157-158°.

2B,H_2SO_4 (2:1): [51022-70-9]. *Albuterol sulfate, USAN. Salbutamol hemisulfate, JAN.*

▷CZ6430100.

Collin, D.T. *et al, J. Med. Chem.*, 1970, **13**, 674 (*synth*)
Hartley, D. *et al, J. Med. Chem.*, 1971, **14**, 895 (*abs config*)
Beale, J.P. *et al, Cryst. Struct. Commun.*, 1972, **1**, 71 (*cryst struct*)
Hawkins, C.J. *et al, J. Med. Chem.*, 1973, **16**, 856 (*synth, isom*)
Brittain, R.T. *et al, Pharmacol. Biochem. Props. Drug Subst.*, 1977, **1**, 257 (*rev, pharmacol*)
Pasaribu, S.J. *et al, Aust. J. Chem.*, 1978, **31**, 2629 (*cmr*)
Aboul-Enein, H.Y. *et al, Anal. Profiles Drug Subst.*, 1981, **10**, 665 (*rev, synth, anal*)
Ahrens, R.C. *et al, Pharmacotherapy (Carlisle, Mass.)*, 1984, **4**, 105 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2937.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2104, 2105.

Salcatonin, BAN S-00013

Calcitonin (salmon), 9CI. Calcitonin (salmon reduced) cyclic (1→7) disulfide. Other synonyms

[47931-85-1]

H-Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-
Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-
Thr-Tyr-Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-
Thr-Pro-NH_2
32

$C_{145}H_{240}N_{44}O_{48}S_2$ M 3431.877

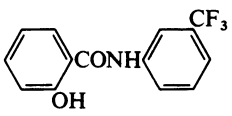
A hormone isol. from the ultimabranchial body of salmon. Differs markedly in struct. from human calcitonin (13 residues differ) but has enhanced activity as an inhibitor of bone resorption. It is approx. 25-fold more potent and of 5-fold longer duration. Used in diagnosis of occult medullary carcinoma of the thyroid and treatment osteoporosis and various hypercalcaemic states.

Guttmann, S. *et al, Helv. Chim. Acta*, 1969, **52**, 1789 (*synth*)
Meienhofer, J. *et al, Burger's Medicinal Chemistry, (Wolff, M.E., Ed.)*, 1979, Wiley-Interscience, New York, 4th Ed., 806 (*rev*)
Napoli, J. *et al, Burger's Medicinal Chemistry, (Wolff, M.E., Ed.)*, 1979, Wiley-Interscience, New York, 4th Ed., 705 (*rev*)
U.S.P., 4 212 795, (*1980*); *CA*, **94**, 66084c (*synth*)
Epand, R.M. *et al, Int. J. Pept. Protein Res.*, 1986, **27**, 501 (*conformn, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8054.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8392.

Salfluverine, INN S-00014

2-Hydroxy-N-[3-(trifluoromethyl)phenyl]benzamide, 9CI. α,α,α-Trifluoro-m-salicylotoluidide, 8CI

[587-49-5]



$C_{14}H_{10}F_3NO_2$ M 281.234

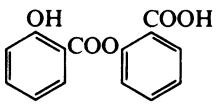
Antiinflammatory agent. Mp 184-186°.

B.P., 1 079 414, (*1967*); *CA*, **68**, 2717s (*synth, pharmacol*)
Drain, D.J. *et al, J. Pharm. Pharmacol.*, 1971, **23**, 857 (*pharmacol*)

Salicyloylsalicylic acid S-00015

2-Hydroxybenzoic acid 2-carboxyphenyl ester, 9CI. Salicylic acid bimolecular ester, 8CI. Salicylsalicylic acid. O-(2-Hydroxybenzoyl)salicylic acid. ***Salsalate, BAN, INN, USAN.*** *Disalcid. Diplosal. NSC 49171. Other proprietary names*

[552-94-3]



$C_{14}H_{10}O_5$ M 258.230

Impurity in coml. aspirin. Analgesic, antiinflammatory drug. Mp 148°.

▷DH2080000.

Ac: [530-75-6]. *Acetylsalicylsalicylic acid.* ***Salsalate acetate.*** *Acesalum. Diplosalacetat.*

$C_{16}H_{12}O_6$ M 300.267

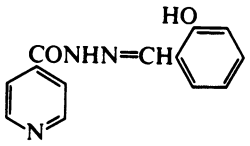
Impurity in coml. aspirin. Analgesic. Prisms (MeOH). Mp 165-168°.

Baker, W. *et al, J. Chem. Soc.*, 1951, 201 (*synth*)
Aberg, G. *et al, Acta Pharmacol. Toxicol.*, 1970, **28**, 249 (*pharmacol*)
Playle, A.C., *Drugs of Today*, 1977, **13**, 34 (*rev, pharmacol*)
Harrison, L.I. *et al, J. Clin. Pharmacol.*, 1981, **21**, 401 (*metab*)
Sunada, H. *et al, Chem. Pharm. Bull.*, 1985, **33**, 2158 (*occur, synth, bibl*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3000.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2702.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2381.

Salinazid, BAN, INN **S-00016**

4-Pyridinecarboxylic acid [(2-hydroxyphenyl)-methylene]hydrazide, 9CI. *N-Isonicotinoyl-N′-salicylidenehydrazine. Acozid. Nicozid. Nilazid. Nupasal. o-Oxyberon. Phthiosan. Saliniazid. Salizid. HP 213. MG 1480*

[495-84-1]



$C_{13}H_{11}N_3O_2$ M 241.249

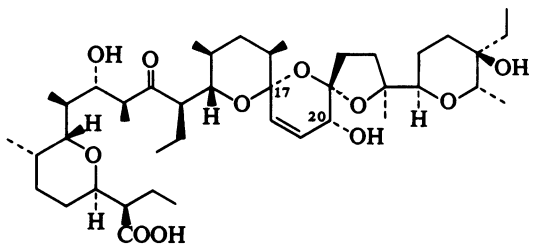
Used in treatment of tuberculosis. Cryst. (EtOH). Mp 232-233°.

Yale, H. *et al, J. Am. Chem. Soc.*, 1953, **75**, 1933 (*synth*)
Hart, J.J.D. *et al, Antibiot. Chemother.*, 1954, **4**, 803 (*synth, props*)
Bavin, E.M. *et al, J. Pharm. Pharmacol.*, 1955, **7**, 1032 (*pharmacol, tox*)
Chakvaranty, D. *et al, J. Pharm. Sci.*, 1964, **53**, 1036 (*synth, use*)
Cowper, A.J. *et al, J. Inst. Chem. (India)*, 1981, **53**, 111, 195 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7570.

Salinomycin, 9CI, BAN, INN **S-00017**

*Bio-Gro. Coxistac. Eustin. Sacox. AHR 3096. K 364. K 74 8364*A. *Antibiotic 61477*

[53003-10-4]



$C_{42}H_{70}O_{11}$ M 751.008

Polyether antibiotic. Isol. from *Streptomyces albus*. Ionophoric. Coccidiostat. Cryst. Mp 112.5-113.5°. $[\alpha]_D^{25}$ −63° (c, 1 in EtOH).

▷VO8620000.

Me ester: Mp 99-101°.

20-Deoxy: [64003-50-5]. ***Antibiotic SY 1***. *Deoxy-(O-8)-salinomycin. SY-1.*
$C_{42}H_{70}O_{10}$ M 735.009
From *S. albus*. Ionophore. Amorph. powder. Mp 105-107°. $[\alpha]_D^{25}$ −20° (c, 1 in MeOH).

20-Deoxy, Na salt: Needles (Me_2CO). Mp 120-121°. $[\alpha]_D^{25}$ −13° (c, 1 in MeOH).

20-Deoxy, Me ester: Needles (Me_2CO aq.). Mp 78-80°. $[\alpha]_D^{25}$ −30° (c, 1 in MeOH).

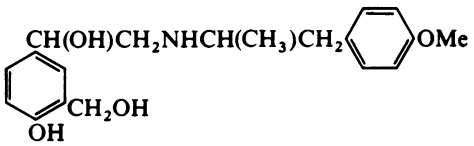
20-Deoxy, 17-epimer: [64129-77-7]. ***Deoxy-epi-17-salinomycin***.
$C_{42}H_{70}O_{10}$ M 735.009
From *S. albus*. Mp 180°. $[\alpha]_D$ −59° (c, 1 in $CHCl_3$).

Miyazaki, Y. *et al, J. Antibiot.*, 1974, **27**, 814 (*isol, props*)
Kinashi, H. *et al, Acta Crystallogr., Sect. B*, 1975, **31**, 2411 (*cryst struct*)
Seto, H. *et al, Tetrahedron Lett.*, 1977, 2417 (*pmr*)
Westley, J.W. *et al, J. Antibiot.*, 1977, **30**, 610 (*isol, uv, ir, pmr, epimer*)
Miyazaki, Y. *et al, Agric. Biol. Chem.*, 1978, **42**, 2129, 2133 (*isol, uv, ir, pmr, ms, deriv*)
Robinson, C.P., *Drugs of Today*, 1982, **18**, 288 (*rev, pharmacol*)
Lewis, M.D., *Diss. Abstr. Int. B*, 1983, **44**, 1829 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12017.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2381.

Salmefamol, BAN, INN **S-00018**

4-Hydroxy-α′-[[[2-(4-methoxyphenyl)-1-methylethyl]-amino]methyl]-1,3-benzenedimethanol, 9CI. *AH 3923*

[18910-65-1]



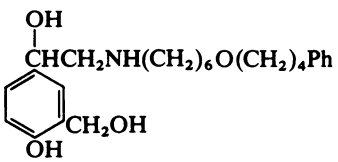
$C_{19}H_{25}NO_4$ M 331.411

Bronchodilator. Mp 111-113°.

Hartley, D. *et al, Nature (London)*, 1968, **219**, 861 (*pharmacol*)
Collin, D.T. *et al, J. Med. Chem.*, 1970, **13**, 673 (*synth*)
Page, J.E. *et al, Chem. Ind. (London)*, 1973, 903 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2106.

Salmeterol, BAN, USAN **S-00019**

5-[1-Hydroxy-2-[6-(4-phenylbutoxy)hexylamino]-ethyl]salicyl alcohol. 4-Hydroxy-α′-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzene dimethanol, 9CI. *GR 33343*X. ***Salmaterol, INN***



$C_{25}H_{37}NO_4$ M 415.572

(±)-*form* [89365-50-4]

Bronchodilator. Cryst. ($EtOAc/Et_2O$). Mp 75.5-76.5°.

Benzoate: [94749-04-9]. Cryst. (EtOAc). Mp 117-117.5°.

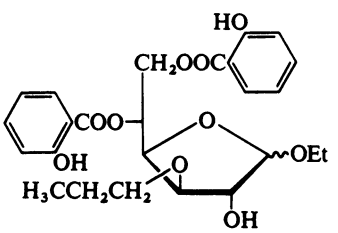
Sulfate (2:1): [94749-10-7]. Cryst. (EtOH). Mp 117.5-119.5°.

Ger. Pat., 3 414 752, (*1984*); *CA*, **102**, 95383 (*synth, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18680.

Salprotoside, INN **S-00020**

Ethyl 3-O-propyl-D-glucofuranoside 5,6-bis(2-hydroxybenzoate), 9CI. *Ethyl 3-O-propyl-D-glucofuranoside 5,6-disalicylate*

[33779-37-2]



$C_{25}H_{30}O_{10}$ M 490.506

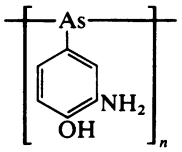
Antiinflammatory agent. $[\alpha]_D^{20}$ −43° (c, 1.3 in $CHCl_3$).

Swiss Pat., 535 757, (*1973*); *CA*, **79**, 79131f (*synth, pharmacol*)

Salvarsan S-00021

4,4'-(1,2-Diarsenediyl)bis[2-aminophenol], *9CI*. *4,4'-Arsinobis(2-aminophenol)*, *8CI*. *3,3'-Diamino-4,4'-dihydroxyarsenobenzene*. *Arsphenamine*

[139-93-5]



C_6H_6AsNO M 183.041

Polymer of variable mw. Unlikely to contain As=As bond in spite of structural representations widespread in the literature. Antisyphilitic drug of historical importance (Ehrlich, 1909). Yellow solid. Usually stored as the hydrochloride.

▷Highly toxic. SJ7175000.

B,2HCl: [139-93-5]. Light-yellow or greyish hygroscopic powder. Sol. H_2O. Oxid. in air. Polymeric.

▷SJ7175000.

N-*Me; B,HCl: 4,4'-(1,2-Diarsenediyl)bis[2-(N-methyl)-aminophenol]hydrochloride*, *9CI*. Greyish-white microcryst.

N,N-*Di-Me; B,HCl: 4,4'-(1,2-Diarsenediyl)bis[2-(N,N-dimethyl)aminophenol]hydrochloride*, *9CI*. Yellowish-grey solid.

N-*Sulfinomethyl, Na salt: see Neoarsphenamine, N-00066*

▷*WS3680000*.

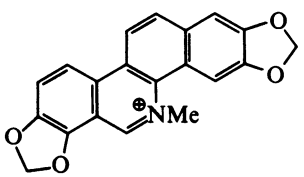
N-*Sulfomethyl, Na salt: see 3,3'-Diamino-4,4'-dihydroxyarsenobenzene-N,N'-dimethylenesulfonic acid, D-00127*

Christiansen, W.G., *J. Am. Chem. Soc.*, 1920, **42**, 2402; 1923, **45**, 1807 (*synth*)
Kraft, M.V. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1954, 259 (*synth*)
Dub, M., *Organometallic Compds.*, 1968, Springer-Verlag, N.Y., 2nd Ed., 131.
Levinson, A.S., *J. Chem. Educ.*, 1987, **54**, 98 (*struct, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 15301.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 391.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 185.

Sanguinarine S-00022

13-Methyl[1,3]benzodioxolo[5,6-c]-1,3-dioxolo[4,5-i]-phenanthridinium(1+), *9CI*. *5-Methyl-2,3:7,8-bis(methylenedioxy)benzo[c]phenanthindinum(1+)*. *Pseudochelerythrine*. *ψ-Chelerythrine*

[2447-54-3]



$C_{20}H_{14}NO_4^{\oplus}$ M 332.335 (ion)

Alkaloid from a wide variety of genera in the Papaveraceae (*Argemone, Bocconia, Chelidonium, Dicranostigma, Eschscholtzia, Glaucium, Hunnemannia, Hylomecon, Hypecoum, Macleaya, Meconopsis, Papaver, Platystemon, Romneya, Sanguinaria, Stylomecon, Stylophorum*), Fumariaceae (*Corydalis, Dicentra, Fumaria*), Rutaceae (*Zanthoxylum*), and Sapindaceae (*Pteridophyllum*). Antimicrobial and antiinflammatory agent showing antiplaque activity. Used in toothpastes and oral rinses. Potent cytotoxic agent functioning by DNA intercalation and uncoupling of oxidative phosphorylation. Inhibitor of alanine aminotransferase and of human plasma diamine oxidase. Causes temporary change in intraocular pressure. Consumption of Sanguinarine, present in poppy seeds and in the oil of *Argemone mexicana* which has been used as an adulterant for mustard oil in India, has been linked to development of glaucoma.

▷LD_{50} 19.4 mg/kg (mice). VP5200000.

Chloride:

$C_{20}H_{14}ClNO_4$ M 367.788

Orange needles (dil. HCl). Mp 277-280° dec. (273-274°, 284-289° dec.).

Pseudocyanide:

$C_{21}H_{14}N_2O_4$ M 358.353

Mp 244-245° (236-237°).

Späth, E. *et al*, *Ber.*, 1931, **64**, 370 (*struct*)
Slavík, J. *et al*, *Collect. Czech. Chem. Commun.*, 1968, **33**, 1619 (*ms, pmr*)
Hruban, L. *et al*, *Collect. Czech, Chem. Commun.*, 1970, **35**, 3420 (*uv*)
Sainsbury, M. *et al*, *J. Chem. Soc. (C)*, 1970, 1797 (*synth, uv, ir*)
Battersby, A.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1975, 1140, 1147 (*isol, biosynth*)
Ishii, H. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 864 (*pmr*)
Takao, N. *et al*, *Helv. Chim. Acta*, 1983, **66**, 473 (*biosynth*)
Šmidrkal, J., *Collect. Czech. Chem. Commun.*, 1984, **49**, 1412 (*synth*)
Hanaoka, M. *et al*, *Chem. Lett.*, 1986, 739 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 739.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 964.

Saralasin, BAN, INN S-00023

1-(N-Methylglycine)-5-L-valine-8-L-alanineangiotensin II, *9CI*

[34273-10-4]

Sar-Arg-Val-Tyr-Val-His-Pro-Ala

$C_{42}H_{65}N_{13}O_{10}$ M 912.057

Peptide used for diagnosis of hypertension. Used as acetate salt.

B,xAcOH: [39698-78-7]. *Saralasin acetate*, *USAN*. *Sarenin. P 113*. Fluffy powder + xH_2O. Mp 256°. $[\alpha]_D$ −80.1° (c, 0.25 in 1*M* AcOH).

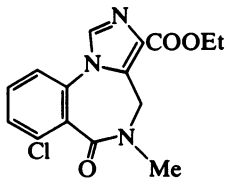
▷BW2170000.

Ger. Pat., 2 127 393, (*1972*); *CA*, **77**, 140530n
Schoelkens, B.A. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1976, **357**, 825 (*synth, pharmacol*)
Huang, C.T. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 176 (*rev*)
Moore, A.F. *et al*, *Drug Dev. Res.*, 1984, **4**, 331 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 902.

Sarmazenil, INN **S-00024**

7-Chloro-5,6-dihydro-5-methyl-6-oxo-4H-imidazo[1,5-a][1,4]benzodiazepine-3-carboxylic acid ethyl ester, 9CI

[78771-13-8]



$C_{15}H_{14}ClN_3O_3$ M 319.747

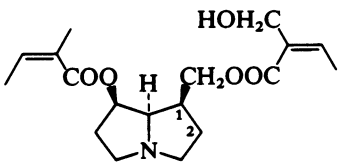
Benzodiazepine antagonist. Cryst. (EtOAc). Mp 229-230°.

Eur. Pat., 27 214, (*1981*); *CA*, **95**, 115621 (*synth*)

Sarracine **S-00025**

Mikanoidine

[2492-09-3]



$C_{18}H_{27}NO_5$ M 337.415

Double ester of platynecine with angelic and sarracinic acids. Alkaloid from *Senecio sarracenius, S. mikanoides, S. sylvaticus, S. rhombifolius, S. franchetii* and *Adenostyles alliariae* (Compositae). Has been used in the USSR for treatment of gastrointestinal hypermotility and peptic ulceration. Cryst. (EtOH). Mp 51-52° (45-46°). $[\alpha]_D$ −129.7° (EtOH).

▷EM9251400.

Tartrate: Mp 177-179°. $[\alpha]_D$ −70.05° (H_2O).

Monopicrate: Cryst. (EtOH). Mp 140-141°.

N-*Oxide:* [19038-27-8]. ***Sarracine* N-*oxide***.

$C_{18}H_{27}NO_6$ M 353.414

Alkaloid from *S. sarracenius, S. franchetii* and *S. mikanoides* (Compositae). Cryst. + $1H_2O$ (Me_2CO). Mp 123-124°. $[\alpha]_D$ −81.65° (H_2O), $[\alpha]_D$ −94° (EtOH). Becomes anhydr. at 100°, rehydrates on standing in air.

N-*Oxide, picrate:* Cryst. (EtOH). Mp 107.5-108.5°.

1,2-Didehydro: ***7-Angelyl-9-sarracinylretronecine***.

$C_{18}H_{25}NO_5$ M 335.399

Alkaloid from *S. triangularis* (Compositae). Gum. $[\alpha]_D^{25}$ +6.1° (c, 1.7 in MeOH).

1,2-Didehydro, picrate: Mp 139-140°.

Danilova, A.V. *et al, Zh. Obshch. Khim.*, 1953, **23**, 1417, 1597; *CA*, **47**, 12759 (*isol, Sarracine, oxide*)

Culvenor, C.C.J. *et al, J. Org. Chem.*, 1961, **26**, 3045 (*isol, pmr, struct*)

Akramov, S.T. *et al, Khim. Prir. Soedin.*, 1967, 351; *Chem. Nat. Compd.*, 296 (*isol*)

White, E.P. *et al, An. Quim.*, 1972, **68**, 723 (*isol*)

Dauksha, V.E., *Khim. Prir. Soedin.*, 1976, 831; *Chem. Nat. Compd.*, 753 (*isol*)

Rüeger, H. *et al, Can. J. Chem.*, 1983, **61**, 2526 (*deriv*)

Saruplase, INN **S-00026**

Recombinant Human Single-Chain Urokinase-type Plasminogen Activator. Prourokinase. ScuPA

[99149-95-8]

$C_{2031}H_{3145}N_{585}O_{601}S_{31}$ M 46367.605

Fibrinolytic enzyme used to treat myocardial infarction.

Wun, T.-C. *et al, J. Biol. Chem*, 1982, **257**, 7262 (*isol*)

Nagai, M. *et al, Gene*, 1985, **36**, 183 (*cloning*)

Blasi, F. *et al, J. Cell. Biol.*, 1987, **104**, 801 (*rev*)

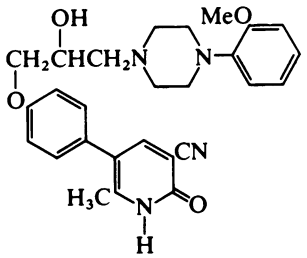
Eur. Pat., 288 435, (*1988*); *CA*, **110**, 187333 (*manuf*)

Hibino, Y. *et al, Agric. Biol. Chem*, 1988, **52**, 329.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 248.

Saterinone, INN **S-00027**

1,2-Dihydro-5-[4-[2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propoxy]phenyl]-6-methyl-2-oxo-3-pyridinecarbonitrile, 9CI



$C_{27}H_{30}N_4O_4$ M 474.558

(±)-*form* [102669-89-6]

Vasodilator, broncholytic, platelet aggregation inhibitor. Mp 159-160°.

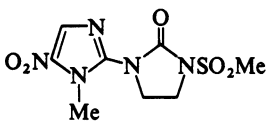
B,HCl: [102685-83-6]. Mp 298°.

Eur. Pat., 167 121, (*1986*); *CA*, **105**, 42839 (*synth, pharmacol*)

Satranidazole, INN **S-00028**

1-(1-Methyl-5-nitro-1H-imidazol-2-yl)-3-(methylsulfonyl)-2-imidazolidinone, 9CI. *C 10213*-Go. *Go 10213*

[56302-13-7]



$C_8H_{11}N_5O_5S$ M 289.265

Antiprotozoal and antiamoebic agent. Cryst. in two forms (Me_2CO). Mp 184-186°, Mp 202-203°.

Nagarajan, R. *et al, Indian J. Chem., Sect. B*, 1982, **21**, 928, 1006 (*synth, uv, pmr, cmr, ms*)

Vaidya, A.B. *et al, Br. J. Clin. Pharmacol.*, 1983, **16**, 517 (*pharmacol*)

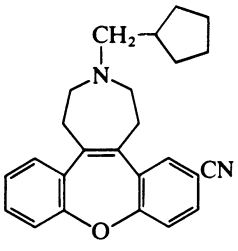
Rao, R.R. *et al, Arzneim.-Forsch.*, 1985, **35**, 1692 (*tox*)

Hof, H. *et al, Antimicrob. Agents Chemother.*, 1986, **29**, 953 (*props*)

Savoxepin, INN **S-00029**

3-(Cyclopentylmethyl)-2,3,4,5-tetrahydro-1H-dibenz[2,3:6,7]oxepino[4,5-d]azepine-7-carbonitrile, 9CI. Cipazoxapine

[79262-46-7]



$C_{25}H_{26}N_2O$ M 370.493

Dopamine antagonist. Cryst. (MeCN). Mp 99-102°.

B,MeSO$_3$H: [79262-47-8]. Cryst. (EtOH). Mp 266-269°.

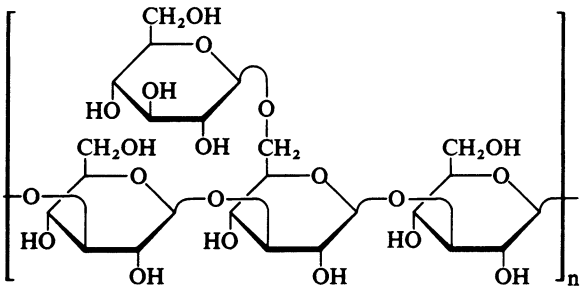
Eur. Pat., 30 916, (*1979*); *CA*, **95**, 150634 (*synth*)

Bischoff, S. *et al*, *Pharmacopsychiatry*, 1986, **19**, 306, 316 (*pharmacol*)

Schizophyllan **S-00030**

Sizofuran, INN. *Sonfilan. SPG*

[9050-67-3]



$(C_{24}H_{40}O_{20})_n$ M 648.568

Polysaccharide antibiotic. Minimum formula given. A highly (1→6) branched (1→3) β-D-glucan. Isol. from *Schizophyllum commune*. Antitumour agent showing activity against sarcoma-180 ascites. Possesses triple-helical structure.

Komatsu, N. *et al*, *Gann*, 1969, **60**, 137 (*isol, props*)

Kikumoto, S. *et al*, *J. Agric. Chem. Soc. Jpn.*, 1970, **44**, 337; 1971, **45**, 162 (*isol, struct*)

Saito, H. *et al*, *Carbohydr. Res.*, 1979, **74**, 227 (*cmr, struct*)

Tabata, K. *et al*, *Carbohydr. Res.*, 1981, **89**, 121.

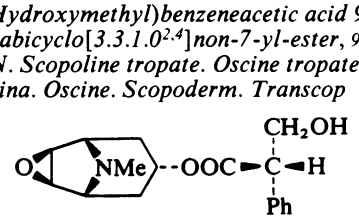
Van, K. *et al*, *Polym. J. (Tokyo)*, 1984, **16**, 61 (*ord*)

Furue, H., *Drugs of Today*, 1987, **23**, 335 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1796.

Scopolamine **S-00031**

α-(Hydroxymethyl)benzeneacetic acid 9-methyl-3-oxa-9-azabicyclo[3.3.1.0^{2,4}]non-7-yl-ester, 9CI. ***Hyoscine, BAN.*** *Scopoline tropate. Oscine tropate. Escopolamina. Joscina. Oscine. Scopoderm. Transcop*



(−)-*form*

$C_{17}H_{21}NO_4$ M 303.357

▷Highly toxic

(−)-***form*** [51-34-3]

Alkaloid from *Atropa, Datura, Hyoscyamus* and *Scopolia* spp. and several other genera in the Solanaceae. Coml. sources are *D. metel, D. meteloides* and *D. fastuosa* var *alba*. Used as mydriatic and sedative e.g. for travel sickness; powerful narcotic. Noncryst. $[\alpha]_D^{20}$ −18° (EtOH), $[\alpha]_D$ −20° (H_2O). Forms a hydrate, Mp 59°; racemises in alkaline soln.

▷Highly toxic. VR3675000.

B,HCl: [55-16-3]. Mp 200°.

▷VR4290000.

B,HBr: [114-49-8]. *Scopolamine hydrobromide, USAN. Hyosol. Scopamin. Scopos. Tranaxine.* Mp 193-194° (anhyd.). $[\alpha]_D$ −25.9° (H_2O), $[\alpha]_D$ −15.72° (EtOH). Component of Benacine, Donnagel, Donnatal, Donnazyme and Kinesed.

▷YM4550000.

Picrate: Yellow needles. Mp 187-188°.

B,MeBr: [155-41-9]. *Hyoscine methobromide, BAN.* ***Methscopolamine bromide, USAN.*** *Pamine.* Parasympatholytic and spasmolytic agent.

▷YM3675000.

N-*Oxide:* ***Hyoscine N-oxide 1.***

$C_{17}H_{21}NO_5$ M 319.357

Alkaloid from *A., D., H.* and *S.* spp. (Solanaceae). Mp 125-130° dec. (as hydrochloride). Equatorial *O*. The axial-*O*-isomer (obt. synthetically) was not detected.

N-*De-Me:* [4684-28-0]. ***Norhyoscine.***

$C_{16}H_{19}NO_4$ M 289.330

Principal alkaloid of the corollas of *Datura suaveolens* (Solanaceae). Mp 205° (as hydrochloride).

N-*De-Me, picrate:* Serrated needles (EtOH). Mp 232-233°.

N-*Butylbromide:* [149-64-4]. *Butylscopolammonium bromide. Hyoscine butyl bromide. Scopolamine butyl bromide. Buscopan. Other synonyms.* Anticholinergic, spasmolytic agent. Mp 142-144°.

▷YM3500000.

(±)-***form*** [138-12-5]

Atroscine

Alkaloid from *S. atropoides* and *Duboisia leichhardtii* (Solanaceae). Noncryst. Forms a monohydrate, Mp 56-7°, and a dihydrate, Mp 37-9°.

Picrate: Mp 173.5-174.5°.

Ladenburg, A., *Justus Liebigs Ann. Chem.*, 1880, **206**, 299 (*isol*)

Dobó, P. *et al*, *J. Chem. Soc.*, 1959, 3461 (*synth*)

Johns, S.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1965, 458 (*pmr*)

Ivanov, V. *et al*, *Farmatsiya (Sofia)*, 1967, **17**, 18; *CA*, **68**, 29912p (*synth, N-Butyl*)

Joyce, C.R. *et al*, *Life Sci.*, 1968, **7**, 533 (*pharmacol*)

Pauling, P. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 1001 (*cryst struct*)

Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 654 (*ms*)

Evans, W.C. *et al*, *Phytochemistry*, 1972, **11**, 3293 (*isol, Norhyoscine*)

Greenblat, D.J. *et al*, *N. Engl. J. Med.*, 1973, **288**, 1215 (*rev, pharmacol*)

Simeral, L. *et al*, *Org. Magn. Reson.*, 1974, **6**, 226 (*cmr*)

Innes, I.R. *et al*, *Pharmacol. Basis Ther. 5th Ed.*, 1975, 514 (*rev, pharmacol*)

Phillipson, J.D. *et al*, *Phytochemistry*, 1975, **14**, 999 (*oxide*)

Shutt, L.E. *et al*, *Anaesthesia*, 1979, **34**, 476 (*rev, pharmacol*)

Clissold, S.P. *et al*, *Drugs*, 1985, **29**, 189 (*rev, activity*)

Seeger, R. *et al*, *Dtsch. Apoth.-Ztg.*, 1986, **126**, 1930 (*rev, chem, props, occur, tox, pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4459, 4970, 6354 (*synonyms*)

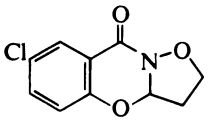
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 376, 377, 378, 379.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1602, 2387, 2388.

Seclazone, USAN, INN S-00032

7-Chloro-3,3a-dihydro-2H,9H-isoxazolo[3,2-b][1,3]-benzoxazin-9-one, 9CI, 8CI. W 2354

[29050-11-1]



$C_{10}H_8ClNO_3$ M 225.631

(±)-form

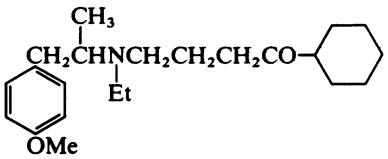
Antiinflammatory, uricosuric agent. Mp 148-149°.

Berger, F.M. *et al*, *Pharmacology*, 1973, **9**, 164 (*pharmacol*)
Reisberg, P. *et al*, *J. Pharm. Sci.*, 1974, **63**, 1586 (*pmr*)
Reisner, D.B. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 760 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13226.

Secoverine, INN S-00033

1-Cyclohexyl-4-[ethyl[2-(4-methoxyphenyl)-1-methylethyl]amino-1-butanone, 9CI. 1-Cyclohexyl-4-[ethyl(p-methoxy-α-methylphenethyl)amino]-1-butanone

[57558-44-8]



$C_{22}H_{35}NO_2$ M 345.524

(+)-form [90237-04-0]

Dexsecoverine, INN

Pharmacol. active isomer. Cryst. (Me_2CO/Et_2O).

B,HCl: [90237-06-2]. *DU 23903.* Cryst. (Me_2CO/Et_2O). Mp 101-102°.

(±)-form

Antispasmodic.

B,HCl: [57558-46-0]. *DU 23849.* Cryst. Mp 92-95°.

Ger. Pat., 2 514 914, (*1975*); *CA*, **84**, 16965p (*synth, pharmacol*)
Zwagemakers, J.M.A. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1517, 1526 (*pharmacol*)
Sanger, C.J. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 711 (*pharmacol*)
Netherlands Pat., 82 02 810, (*1982*); *CA*, **100**, 215518 (*synth*)
Brunner, F. *et al*, *Eur. J. Pharmacol.*, 1986, **127**, 17 (*pharmacol*)

Secretin, BAN, INN, JAN S-00034

Porcine secretin. Secrepan. Sekretolin

[17034-35-4]

His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-$ValNH_2$

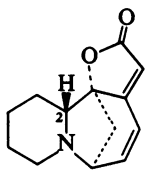
$C_{130}H_{220}H_{44}O_{41}$ M 2483.491

Peptide hormone from duodenal mucosa. Stimulates release of bicarbonate from the pancreas and inhibits the action of gastrin.

Jorpes, J.E. *et al*, *Acta Chem. Scand.*, 1961, **15**, 1790 (*isol*); *Biochemistry*, 1965, **4**, 2358 (*isol, struct*)
Bodanszky, M. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 6753; 1968, **90**, 4711 (*synth*)
Wünsch, E. *et al*, *Chem. Ber.*, 1972, **105**, 2508; 2515 (*synth*)
Geiger, R. *et al*, *Chem. Ber.*, 1974, **107**, 215 (*synth*)
Göhring, W. *et al*, *Justus Liebigs Ann. Chem.*, 1975, 1765, 1776, 1781 (*synth*)
Beyerman, H.C. *et al*, *Helv. Chim. Acta*, 1976, **59**, 1112 (*synth*)
Bodanszky, M. *et al*, *Bioorg. Chem.*, 1976, **5**, 275 (*conformn*)
Bayer, E. *et al*, *Int. J. Pept. Protein Res.*, 1977, **9**, 63 (*synth*)
Bertaccini, G., *Handb. Exp. Pharmacol.*, 1982, **59**, 11 (*rev*)
Dockray, G.J., *Horm. Blood (3rd Ed.)*, 1983, **5**, 189 (*rev*)
Uchiyama, M. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 1990, 2000, 2006 (*synth, hplc, purifn*)
Kiyama, S. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3205 (*synth*)

Securinine, INN S-00035

Securinan-11-one, 9CI



(−)-form
Absolute configuration

$C_{13}H_{15}NO_2$ M 217.267

It is remarkable that while Securinine and Allosecurinine (2-*epi*-Securinine) cooccur in *Securinega suffruticosa*, their optical antipodes, Virosecurinine and Viroallosecurinine, cooccur in *S. virosa*.

(−)-form [5610-40-2]

Alkaloid from the leaves, roots and stems of *Securinega suffruticosa* and *Phyllanthus discoides*, also isol. from *S. durissima, S. fluggeoides* and the bark of *Securidaca longepedunculata* (Euphorbiaceae, Leguminosae). Stereospecific $GABA_A$ receptor antagonist. CNS stimulant with strychnine-like activity but lower toxicity, causes respiratory stimulation, increased muscle tone and hypotension. Yellow cryst. (EtOH). Mp 142-143°. $[\alpha]_D^{20}$ −1042° (c, 1.0 in EtOH). pK_a 7.17.

▷VS4115000.

B,HBr: Pale-yellow needles + $2H_2O$ (Et_2O). Mp ca. 250° dec. (dehydrating range 110-120°).
Picrolonate: Mp 194°, 208°.
B,MeI: Mp 235-236° dec. $[\alpha]_D^{20}$ −1953° (EtOH).

(+)-form [6704-68-3]

Virosecurinine

Alkaloid from the leaves of *S. virosa* (Euphorbiaceae). Yellow cryst. (EtOH). Mp 141-142°. $[\alpha]_D^{20}$ +1035° (c, 0.43 in EtOH), +1148° (c, 0.4 in $CHCl_3$).

B,HCl: Cryst. (Me_2CO). Mp 252-253° (sealed tube). $[\alpha]_D^{21}$ +344° (c, 0.52 in EtOH).
B,HNO_3: Cryst. (Me_2CO). Mp 211-213° dec. $[\alpha]_D^{21}$ +330° (c, 0.56 in EtOH).
Picrate: Cryst. (Me_2CO). Mp 218°.
B,MeI: Cryst. (Me_2CO). Mp 239-240°. $[\alpha]_D^{21}$ +135.3° (c, 0.59 in EtOH).

(±)-form [5588-52-3]

Synthetic. Yellow needles (hexane). Mp 109-111°.

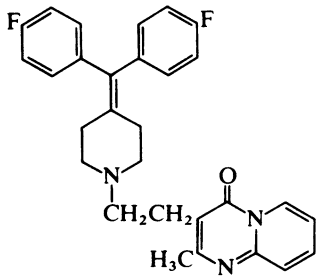
Saito, S. *et al*, *Chem. Ind. (London)*, 1962, 1652 (*uv, ir, struct*)
Horii, Z. *et al*, *Tetrahedron*, 1963, **19**, 2085, 2101; 1967, **23**, 1165 (*uv, ir, pmr, struct, abs config, synth*)
Mukherjee, R. *et al*, *Naturwissenschaften*, 1963, **50**, 155 (*isol, uv, ir, ms*)
Nakano, T. *et al*, *J. Org. Chem.*, 1963, **28**, 2619; 1964, **29**, 3441 (*uv, ord, cd, config, Virosecurinine*)

Nakano, T. *et al*, *Tetrahedron*, 1963, **19**, 609 (*isol, uv, ir, struct, Virosecurinine*)
Parello, J. *et al*, *Bull. Soc. Chim. Fr.*, 1963, 898 (*uv, ir, pmr*)
Bevan, C.W.L. *et al*, *Chem. Ind. (London)*, 1964, 838 (*occur*)
Chatterjee, A. *et al*, *J. Indian Chem. Soc.*, 1964, **41**, 163 (*ir*)
Imado, S. *et al*, *Chem. Ind. (London)*, 1964, 1691 (*cryst struct*)
Audier, H.E. *et al*, *Bull. Soc. Chim. Fr.*, 1968, 1552 (*ms*)
Clauder, O. *et al*, *Acta Pharm. Hung.*, 1968, **38**, 126; *CA*, **69**, 54266j (*isol*)
Snieckus, V.A., *Alkaloids (London)*, 1971, **1**, 455 (*rev*)
Parry, R.J., *Tetrahedron Lett.*, 1974, 307; *J. Chem. Soc., Chem. Commun.*, 1975, 144 (*biosynth*)
Sankawa, U. *et al*, *Tetrahedron Lett.*, 1974, 1867 (*biosynth*)
Golebiewski, W.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1976, 217 (*biosynth*)
Sankawa, U. *et al*, *Phytochemistry*, 1977, **16**, 561 (*biosynth*)
Parry, R.J., *Bioorg. Chem.*, 1978, **7**, 277 (*biosynth*)
Beutler, J.A. *et al*, *J. Nat. Prod.*, 1984, **47**, 677 (*cmr*)

Seganserin, INN S-00036

3-[2-[4-[Bis(4-fluorophenyl)methylene]-1-piperidinyl]-ethyl]-2-methyl-4H-pyrido[1,2-a]pyrimidin-4-one, 9CI

[87729-89-3]



$C_{29}H_{27}F_2N_3O$ M 471.549

Serotonin-S_2 antagonist.

B,2HCl: [87071-17-8]. *R 56413.* Mp 205.8°.

Eur. Pat., 110 435, (*1982*); *CA*, **102**, 6522 (*synth, pharmacol*)
Conolan, S. *et al*, *Br. J. Pharmacol.*, 1986, **89**, 129 (*pharmacol*)
Kennis, L.E.J. *et al*, *Drug Dev. Res.*, 1986, **8**, 133 (*synth, pharmacol*)

Selenium sulfide, USAN S-00037

Exsel. Seleen. Selsun

[7488-56-4]

SeS_2

SeS_2 M 143.080

Antifungal, antiseborrheic agent.

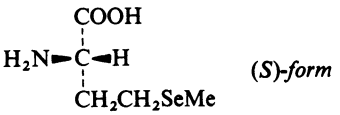
▷VS8925000.

U.S.P., 2 694 669, (*1954*)
Matson, *J. Soc. Cosmet. Chem.*, 1956, **7**, 459 (*rev*)
Cummins, L.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1971, **20**, 89 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1639.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3013.

Selenomethionine S-00038

2-Amino-4-(methylseleno)butanoic acid, 9CI. *2-Amino-4-(methylselenyl)butyric acid*, 8CI

[1464-42-2]



(*S*)-*form*

$C_5H_{11}NO_2Se$ M 196.107

Found in onion, cabbage, seeds of *Lecythis elliptica* and other plants. Major component of *E. coli* β-galactosidase. Se analogue of methionine used in metab. studies.

▷ES7100000.

(*S*)-*form* [3211-76-5]

L-form

^{75}Se labelled cpd. used as a radioactive agent and diagnostic aid (Selenomethionine 75 SE, INN, JAN, Sethotope). $[\alpha]_D^{25}$ +18.1° (c, 1.22 in 1M HCl).

Se-*Me: 4-Amino-4-(dimethylseleno)butanoic acid.* Se-*Methylselenomethionine.*

$C_6H_{13}NO_2Se$ M 210.134

Occurs in *Astragalus*, *Trifolium* and *Lolium* spp.

(±)-*form*

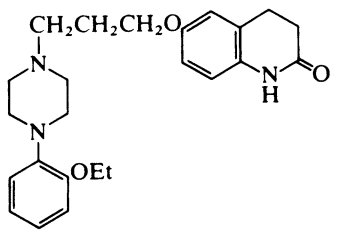
Hexagonal sheets or plates with metallic lustre (MeOH aq.). Mp 265° dec.

Painter, E.P., *J. Am. Chem. Soc.*, 1947, **69**, 232 (*synth*)
Zdansky, G., *Ark. Kemi*, 1968, **29**, 437; *CA*, **69**, 87433q (*synth, ir*)
Shepherd, L. *et al*, *Can. J. Biochem.*, 1969, **47**, 876 (*ir, props*)
Johnstone, R.A.W. *et al*, *J. Chem. Soc. (B)*, 1971, 1800 (*ms*)
Pan, W.H. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 5783 (*Se-77 nmr*)
Rajeswaran, M. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 647 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5872.

Selprazine, INN S-00039

6-[3-[4-(2-Ethoxyphenyl)-1-piperazinyl]propoxy]-3,4-dihydro-2(1H)-quinolinone, 9CI

[103997-59-7]



$C_{24}H_{31}N_3O_3$ M 409.527

Sedative, aggression inhibitor. Cryst. Mp 153-154°.

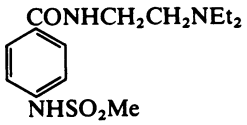
B,2HCl: [104018-09-9]. Mp 216°.

Ger. Pat., 3 442 570, (*1986*); *CA*, **105**, 108513 (*synth, pharmacol*)

Sematilide, INN **S-00040**

N-[*2-(Diethylamino)ethyl*]-*4*-[(*methylsulfonyl*)*amino*]-*benzamide, 9CI. CK 1752*

[101526-83-4]



$C_{14}H_{23}N_3O_3S$ M 313.414

Antiarrhythmic agent.

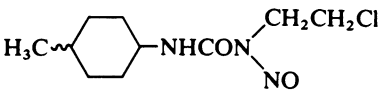
B,HCl: [101526-62-9]. Mp 141-142°.

Lumma, W.C. *et al, J. Med. Chem.*, 1987, **30**, 755 (*synth, pharmacol*)

Semustine, USAN, INN **S-00041**

N-(*2-Chloroethyl*)-N′-(*4-methylcyclohexyl*)-N-*nitrosourea, 9CI, 8CI. Methyl CCNU. NSC 95441*

[13909-09-6]



$C_{10}H_{18}ClN_3O_2$ M 247.724

Antineoplastic agent. Mp 64° dec.

▷YS5000000.

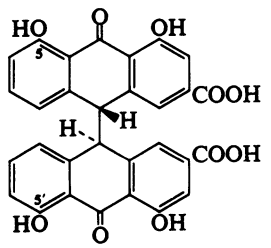
Johnston, T.P. *et al, J. Med. Chem.*, 1966, **9**, 892 (*synth, pharmacol*)

Lown, J.W. *et al, J. Org. Chem.*, 1981, **46**, 5309 (*synth, N-15 nmr, cmr, bibl*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1863.

Sennidin **S-00042**

9,9′,10,10′-Tetrahydro-4,4′,5,5′-tetrahydroxy-10,10′-dioxo-9,9′-bianthracene-2,2′-dicarboxylic acid



(*R*,R**)-*form*
Relative configuration

$C_{30}H_{18}O_{10}$ M 538.466

(*R*,R)-*form***

(+)-*form*

Aglucone from Sennoside *A*. Laxative. Used as mixt. with Sennoside *B*. $[\alpha]_D^{24}$ +180° (c, 0.1 in 70% dioxan aq.). Medicinal prod. has numerous proprietary names.

5,5′-Diglucosyl: [81-27-6]. *Sennoside* A.

$C_{42}H_{38}O_{20}$ M 862.750

Cathartic principle from senna (*Cassia angustifolia*) and rhubarb. Yellow plates (Me_2CO aq.). Mp 220-243° dec. $[\alpha]_D^{20}$ −164° (c, 0.1 in 60% Me_2CO aq.). Sennoside *C*, Mp 204-6°, $[\alpha]_D^{24}$ −123°, is the corresponding compd. having one COOH reduced to CH_2OH.

5,5′-Diglucosyl, di-Me ester: Yellow plates (Me_2CO aq.). Mp 206-208°. $[\alpha]_D^{20}$ −90° (c, 0.2 in 70% dioxan).

5,5′-Diglucosyl, oxalyl: Sennoside E.

$C_{44}H_{38}O_{23}$ M 934.770

Found in rhubarb. Mp 214-215°.

(*S*,S)-*form***

(−)-*form*

$[\alpha]_D^{24}$ −180° (c, 0.1 in 70% dioxan aq.).

5,5′-Diglucosyl: Sennoside G. *Sennoside* A′.

$C_{42}H_{38}O_{20}$ M 862.750

Isol. from *C. angustifolia*. Yellow plates. Mp 162-176° dec. $[\alpha]_D^{28}$ −110° (c, 0.1 in 70% dioxan aq.).

(*RS,RS*)-*form*

meso-*form*

Aglycone from Sennoside *B*.

5,5′-Diglucosyl: [128-57-4]. *Sennoside* B.

$C_{42}H_{38}O_2$ M 574.761

Cathartic principle from senna. Light-yellow prisms (H_2O). Mp 209-212°. $[\alpha]_D^{20}$ −100° (c, 0.2 in 70% Me_2CO aq.). Sennoside *D* is the corresponding compd. having one COOH reduced to CH_2OH.

5,5′-Diglucosyl, di-Me ester: Prisms (Me_2CO aq.). Mp 196-198°. $[\alpha]_D^{20}$ −48° (c, 0.2 in 70% dioxan).

5,5′-Diglucosyl, oxalyl: Sennoside F.

$C_{44}H_{38}O_{23}$ M 934.770

From rhubarb. Purgative compd. Yellow powder. Mp 171-175° dec. $[\alpha]_D$ −48.7° (c, 0.2 in Me_2CO aq.).

Stoll, A. *et al, Helv. Chim. Acta*, 1949, **32**, 1892; 1950, **33**, 313 (*struct, isol*)

Schmid, W. *et al, Helv. Chim. Acta*, 1965, **48**, 1911.

Oshio, H. *et al, Chem. Pharm. Bull.*, 1974, **22**, 823 (*ir, uv*)

Yamasaki, K. *et al, Tetrahedron Lett.*, 1977, 1231 (*cmr*)

Christ, B. *et al, Arzneim.-Forsch.*, 1978, **28**, 225 (*ms, uv*)

Lemmens, L., *Pharm. Weekbl.*, 1979, **1**, 178 (*metab*)

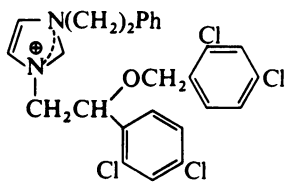
Tanaka, H. *et al, Chem. Pharm. Bull.*, 1982, **30**, 1550 (*isol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8199.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7530.

Sepazonium(1+) **S-00043**

1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)-methoxy]ethyl]-3-(2-phenylethyl)-1H-imidazolium, 9CI



$C_{26}H_{23}Cl_4N_2O^{\oplus}$ M 521.293 (ion)

(±)-*form*

Topical antiinfective agent.

Chloride: [54143-54-3]. *Sepazonium chloride, USAN, INN. R 27500.*

$C_{26}H_{23}Cl_5N_2O$ M 556.746

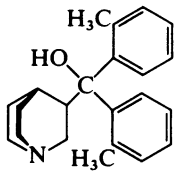
Cryst. (dioxan). Mp 159.2°.

U.S.P., 3 991 202, (*1975*); *CA*, **83**, 193323c (*synth, pharmacol*)

Sequifenadine, INN **S-00044**

α,α-Bis(2-methylphenyl)-1-azabicyclo[2.2.2]octane-3-methanol, 9CI. *α,α-Di-o-tolyl-3-quinuclidinemethanol. Bicarphene. Bikarfen*

[57734-69-7]



$C_{22}H_{27}NO$ M 321.461

Antihistamine. Serotonin antagonist. Cryst. (EtOH). Mp 238-240°.

B,HCl: [57734-70-0]. Mp 278-279°.

▷CL5627600.

Kaminka, M.E. *et al, Khim.-Farm. Zh.*, 1976, **10**, 22 (*synth, pharmacol*)
Kaverina, L.P., *Khim.-Farm. Zh.*, 1988, **22**, 1029 (*rev*)

Seractide, BAN, INN **S-00045**

[63304-56-3]

H-[1]Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asp-Ala-Gly-Glu-Asp-Gln-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-[39]PheOH

$C_{207}H_{308}N_{56}O_{58}S$ M 4541.111

Synthetic corticotropic peptide used clinically, differing from human Corticotropin in residues 25-27 and 30. See also Corticotrophin, C-00547 .

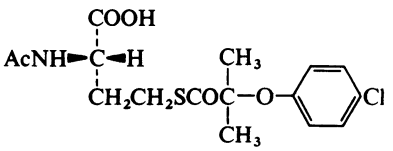
Ac: [39294-79-6]. *Seractide acetate,* USAN. *Syn-Acthar. Acthar Gel Synthetic. Actuman.* Synthetic ACTH preparation.

Modern Drug Encyclopaedia, (*Lewis, A.J., Ed.*), 1981, Yorke Medical Books, New York, **16**, 861

Serfibrate, INN **S-00046**

N-Acetyl-S-[2-(4-chlorophenoxy)-2-methyl-1-oxopropyl]homocysteine, 9CI. *2-Acetamido-4-mercaptobutyric acid 2-(p-chlorophenoxy)-2-methylpropionate*

[54657-98-6]



$C_{16}H_{20}ClNO_5S$ M 373.851

(±)-*form* [54582-64-8]

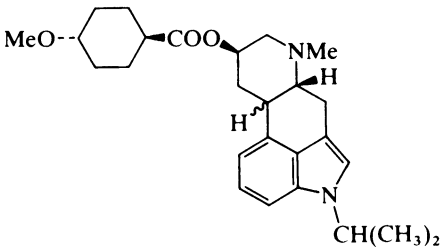
Hypolipidaemic agent. Cryst. (2-propanol aq.). Mp 128-129°.

Ger. Pat., 2 420 667, (*1974*); *CA*, **82**, 86224d (*synth, pharmacol*)

Sergolexole, INN **S-00047**

6-Methyl-1-(1-methylethyl)-ergoline-8-carboxylic acid 4-methoxycyclohexyl ester. LY 281067

[108674-86-8]



$C_{26}H_{36}N_2O_3$ M 424.582

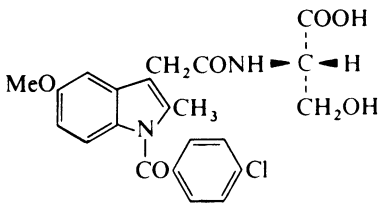
Serotonin antagonist.

Maleate: [108674-87-9]. Cryst. (EtOH/Et_2O). Mp 172-173°.

Cohen, M.L. *et al, J. Pharmacol. Exp. Ther.*, 1988, **244**, 106 (*pharmacol*)
Garbrecht, W.L. *et al, J. Med. Chem.*, 1988, **31**, 444 (*synth, pharmacol*)

Sermetacin, USAN, INN **S-00048**

N-[[1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indol-3-yl]acetyl]serine, 9CI. *SHG 318*AB. *TVX 3158*



$C_{22}H_{21}ClN_2O_6$ M 444.871

(*S*)-*form* [57645-05-3]

Antiinflammatory drug. Mp 184-185°.

Ger. Pat., 2 413 125, (*1975*); *CA*, **84**, 17731w (*synth, pharmacol*)
Boltze, K.H. *et al, Arzneim.-Forsch.*, 1980, **30**, 1314 (*synth, pharmacol*)

Sermorelin, BAN, INN **S-00049**

Human GRF (1-29) NH2. LAGRF

[86168-78-7]

H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH_2

$C_{149}H_{246}N_{44}O_{42}S$ M 3357.912

Peptide containing 29 residues. Diagnostic aid (growth hormone secretion).

Coy, D.H. *et al, J. Med. Chem.*, 1985, **28**, 181 (*analogues*)
Eur. Pat., 136 475, (*1985*); *CA*, **104**, 149412j (*synth*)
Ohashi, S. *et al, Pept. Chem.*, 1985, **23**, 45 (*synth, activity*)
Hodate, K. *et al, Endocrinol. Jpn.*, 1986, **33**, 519 (*pharmacol*)
Ranke, M.B. *et al, Eur. J. Pediatr.*, 1986, **145**, 485.
Coy, D.H. *et al, J. Med. Chem.*, 1987, **30**, 219 (*biol, activity*)
Rafferty, B. *et al, Peptides*, 1988, **9**, 207 (*pharmacol*)

Serrapeptase, INN **S-00050**

Serratiopeptidase. SER. Danzen

[37312-62-2]

Proteolytic enzyme derived from *Serratia* sp. E15. Antiinflammatory agent.

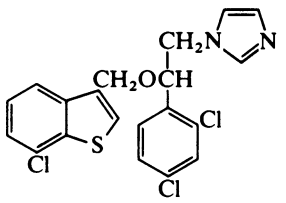
▷UK9590000.

Ryden, A.C. *et al*, *Acta Chem. Scand.*, 1968, **22**, 2803 (*props*)
Kase, Y. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 374 (*pharmacol*)
Tomoda, K. *et al*, *Nippon Nogei Kagaku Kaishi*, 1982, **56**, 559; *CA*, **97**, 133377c (*rev, prodn, props*)

Sertaconazole, INN S-00051

1-[2-[(7-Chlorobenzo[b]thien-3-yl)methoxy]-2-(2,4-dichlorophenylethyl]-1H-imidazole, 9CI

[99592-32-2]



$C_{20}H_{15}Cl_3N_2OS$ M 437.770

(±)-form

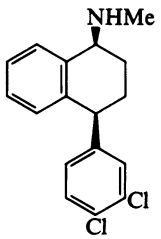
Antifungal agent. Mp 146-147°.

B,HNO₃: [99592-39-9]. Mp 156-157°.

Eur. Pat., 151 477, (*1985*); *CA*, **104**, 19591f (*synth, pharmacol*)
Raga, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 329 (*synth, pharmacol*)

Sertraline, BAN, INN S-00052

4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-N-methyl-1-naphthalenamine, 9CI



$C_{17}H_{17}Cl_2N$ M 306.234

(1R,4R)-form [79617-98-4]

B,HCl: [79645-15-1]. Mp 243-245°. $[\alpha]_D^{23}$ −37.2° (c, 2.0 in MeOH).

(1R,4S)-form [91797-60-3]

B,HCl: [79896-31-4]. Cryst. (MeOH/Et_2O). Mp 255-257°. $[\alpha]_D^{22}$ +41.0° (MeOH).

(1S,4R)-form [79951-46-5]

(−)-trans-*form*

B,HCl: [79896-32-5]. Cryst. (MeOH/Et_2O). Mp 257-258°. $[\alpha]_D^{22}$ −39.2° (MeOH).

(1S,4S)-form [79617-96-2]

cis-*form*

Antidepressant.

B,HCl: [79559-97-0]. *Sertraline hydrochloride, USAN. CP 51974-01.* Cryst. (EtOAc/Et_2O). Mp 243-245°. $[\alpha]_D^{23}$ +37.9° (c, 2.0 in MeOH).

(1RS,4RS)-form [79836-45-6]

(±)-cis-*form*

B,HCl: [79617-99-5]. Mp 214-216°.

Eur. Pat., 28 901, (*1981*); *CA*, **96**, 34934e (*synth, pharmacol*)
Koe, B.K. *et al*, *Psychopharmacol. Bull.*, 1983, **19**, 687 (*pharmacol*)
Welch, W.M. *et al*, *J. Med. Chem.*, 1984, **27**, 1508 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18681.

Serum gonadotrophin S-00053

PMSG. Pregnant mare serums gonadotropin. Equine cyonin. Gormon. Eleagol. Priatin. Serotropin. Gestyl. Antostab. Other synonyms

[9002-70-4]

Glycoprotein from blood of pregnant mares. Gonadotropic hormone.

Goss, H. *et al*, *Endocrinology*, 1940, **26**, 244 (*isoln*)
Allen, W.R. *et al*, *Curr. Top Vet. Med.*, 1978, **1**, 50 (*rev, biol*)
Moore, W.T. *et al*, *Chorionic Gonadotropin*, 1979, 89 (*rev, props, activity*)
Combarnous, Y. *et al*, *Biochim. Biophys. Acta*, 1981, **667**, 267 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5932.

Serum thymic factor S-00054

*Facteur thymique sérique. **Nonathymulin, INN**. FTS*

[63958-90-7]

pyroGlu-Ala-Lys-Ser-Glu-Gly-Gly-Ser-AsnOH

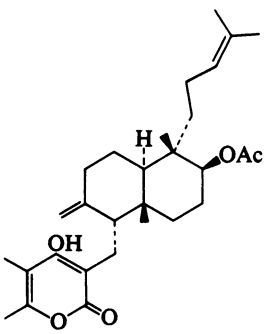
$C_{32}H_{50}N_{12}O_{15}$ M 842.818

Nonapeptide found in serum of several mammalian spp. Thymic factor thought to play a crucial role in the later stages of T-lymphocyte maturation. $[\alpha]_D$ −70.2° (c, 0.65 in H_2O). Also used as Zn salt.

Bach, J-F. *et al*, *Immunology*, 1973, **25**, 353 (*props*)
Dardenne, M. *et al*, *J. Biol. Chem*, 1977, **252**, 8040 (*isol*)
Pleau, J-M. *et al*, *J. Biol. Chem*, 1977, **252**, 8045 (*struct*)
Blanot, D. *et al*, *Int. J. Peptide Protein Res.*, 1979, **14**, 41.
Strachan, R.G. *et al*, *J. Med. Chem.*, 1979, **22**, 586 (*synth*)
Martinez, J. *et al*, *Int. J. Peptide Protein Res.*, 1980, **16**, 287.
Tsukamoto, G. *et al*, *J. Protein Chem.*, 1982, **1**, 305 (*synth*)
Buko, A.M. *et al*, *Biomed. Mass. Spectrom.*, 1983, **10**, 408 (*ms*)
Cerny, M. *et al*, *Collect. Czech. Chem. Commun.*, 1986, **51**, 2909 (*synth*)
Hacht, B. *et al*, *Inorg. Chim. Acta*, 1987, **136**, 165 (*Zn salt*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13335.

Sesquicillin S-00055

[51103-58-3]



$C_{29}H_{42}O_5$ M 470.648

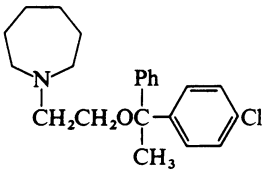
Terpenoid antibiotic. Isol. from *Sesquicillium globulisporum*. Antihypertensive, bronchospasmolytic agent, inflammation inhibitor and laxative.

Ger. Pat., 2 316 429, (*1973*); *CA*, **80**, 13652 (*isol*)

Setastine, INN **S-00056**

*1-[2-[(p-Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]-hexahydro-1*H*-azepine,* 8CI

[64294-95-7]



$C_{22}H_{28}ClNO$ M 357.922

(±)-*form*

Antihistamine.

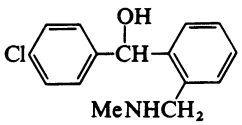
B,HCl: [59767-13-4]. Cryst. (Me_2CO). Mp 170-171°.

Ger. Pat., 2 528 194, (*1976*); *CA*, **85**, 46439h (*synth, pharmacol*)

Setazindol, BAN, INN **S-00057**

4-Chloro-α-[2-[(methylamino)methyl]phenyl]-benzenemethanol, 10 CI. α-(4-Chlorophenyl)-2-[(methylamino)methyl]benzenemethanol, 9CI. *4′-Chloro-2-[(methylamino)methyl]benzhydrol,* 8CI

[56481-43-7]



$C_{15}H_{16}ClNO$ M 261.751

(+)-*form* [27688-73-9]

Cryst. ($EtOH/Et_2O$). Mp 71-74°. $[\alpha]_D^{25}$ +78.4° (EtOH).

(−)-*form* [27688-74-0]

Cryst. ($EtOH/Et_2O$). Mp 71-74°. $[\alpha]_D^{25}$ −80.1° (EtOH).

(±)-*form* [28570-99-2]

Appetite suppressant.

B,HCl: [29066-70-4]. *PR-F-36-Cl.* Cryst. ($EtOH/Et_2O$). Mp 226-227°.

Freter, K. *et al*, *Can. J. Chem.*, 1970, **48**, 1670; *J. Med. Chem.*, 1970, **13**, 1228 (*synth, pharmacol*)

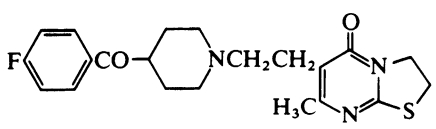
Oliver, J.T., *Arch. Int. Pharmacodyn. Ther.*, 1974, **211**, 253 (*pharmacol*)

Spanish Pat., 510 081, (*1983*); *CA*, **99**, 87801c (*synth, pharmacol*)

Setoperone, INN **S-00058**

*6-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,3-dihydro-7-methyl-5*H*-thiazolo[3,2-a]pyrimidin-5-one,* 9CI. *R 52245*

[86487-64-1]



$C_{21}H_{24}FN_3O_2S$ M 401.498

Psychotropic agent. Mp 165.6°.

U.S.P., 4 443 451, (*1984*); *CA*, **101**, 130701 (*synth*)

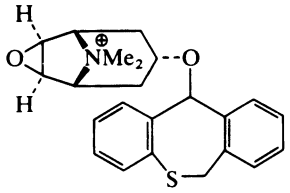
Kennis, L.E.J. *et al*, *Drug Dev. Res.*, 1986, **8**, 133 (*synth, pharmacol*)

Meco, G. *et al*, *Int. J. Clin. Pharmacol. Res.*, 1986, **6**, 465 (*pharmacol*)

Vinick, F.J. *et al*, *Annu. Rep. Med. Chem.*, 1986, **21**, 1 (*rev*)

Sevitropium(1+) **S-00059**

7-[(6,11-Dihydrodibenzo[b,e]thiepin-11-yl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.0^{2,4}]nonane



$C_{23}H_{26}NO_2S^{\oplus}$ M 380.524 (ion)

Bronchospasmolytic agent.

B,MeSO$_3$H: [88199-75-1]. *Sevitropium mesilate,* INN. *BEA 1306*MS.

$C_{24}H_{29}NO_5S_2$ M 475.617

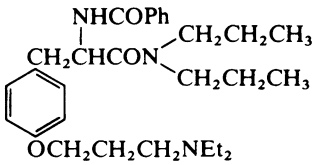
Cryst. (MeCN). Mp 236-237°.

Ger. Pat., 3 211 185, (*1983*); *CA*, **100**, 22862 (*synth, pharmacol*)

Sevopramide, INN **S-00060**

α-(Benzoylamino)-4-[3-(diethylamino)propoxy]-N,N-dipropylbenzenepropanamide, 9CI. *CR 816*

[57227-17-5]



$C_{29}H_{43}N_3O_3$ M 481.677

(±)-*form*

Muscle relaxant.

Oxalate: Cryst. (Me_2CO). Mp 112-114°.

Ger. Pat., 2 503 992, (*1975*); *CA*, **90**, 193728 (*synth, pharmacol*)

Sfericase, INN **S-00061**

[63551-77-9]

Alkaline proteinase from *Bacillus sphaericus*. Proteolytic enzyme.

▷UK9585000.

Japan. Pat., 77 15 884, (*1977*); *CA*, **86**, 135602u (*purifn*)

Yoshida, K. *et al*, *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1983, **21**, 439; 1984, **22**, 7 (*rev, pharmacol, metab*)

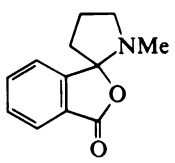
Braga, P.C. *et al*, *Drugs Exp. Clin. Res.*, 1984, **10**, 929 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 926.

Shihunine **S-00062**

*1′-Methylspiro[isobenzofuran-1(3*H*),2′-pyrrolidin]-3-one,* 9CI

[4031-12-3]



$C_{12}H_{13}NO_2$ M 203.240

Alkaloid from the orchid *Dendrobium lohohense* (component of the Chinese drug "Shi-hu") and from *D. pierardii* (Orchidaceae). Needles (Et_2O/hexane). Mp 78-79°. pK_a 3.6 (50% EtOH). Racemic.

Picrate: Yellow prisms (MeOH). Mp 154-155.5°, 163-164°.

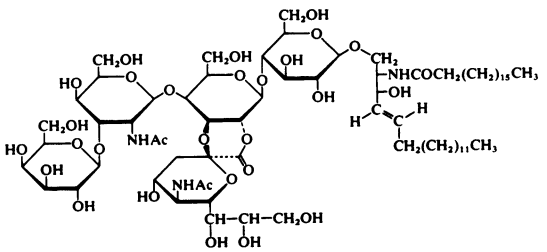
Styphnate: Yellow prisms. Mp 202-205°.

Inubushi, Y. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 749; 1968, **16**, 1014 (*isol, uv, ir, pmr, struct*)
Elander, M. *et al*, *Acta Chem. Scand.*, 1971, **25**, 721 (*isol, uv, ir, pmr*)
Breuer, E. *et al*, *Tetrahedron*, 1975, **31**, 499 (*synth, ir, pmr*)
Leete, E. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6321 (*biosynth, cmr*)
Bodem, G.B. *et al*, *J. Org. Chem.*, 1979, **44**, 4696 (*synth*)

Siagoside, INN S-00063

II$^3\alpha$-N-*Acetylneuraminosyl*-II$^2\beta$ *internal ester ganglio-tetraglycosyl-ceramide. GM$_1$ Monosialoganglioside inner ester. AGF$_2$*

[100345-64-0]



$C_{73}H_{129}N_3O_{30}$ M 1528.824

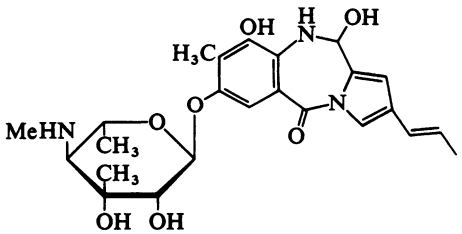
Synthetic ganglioside. Used to treat ischaemic stroke in acute phase.

Aldinio, C. *et al*, *Int. J. Dev. Neurosci.*, 1984, **2**, 267 (*pharmacol*)
Raiteri, M. *et al*, *Eur. J. Pharmacol.*, 1985, **118**, 347 (*pharmacol*)
Samson, J.C., *Drugs of Today*, 1986, **22**, 73 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16820.

Sibiromycin S-00064

Antibiotic 4761

[12684-33-2]



$C_{24}H_{31}N_3O_7$ M 473.525

Isol. from *Streptosporangium sibiricum*. Antitumour antibiotic. Mp >120° dec. $[\alpha]_D$ +525° (DMF).

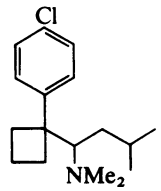
▷UY8495000.

Brazhnikova, M.G. *et al*, *J. Antibiot.*, 1972, **25**, 668 (*isol, uv*)
Hurley, L.H. *et al*, *Tetrahedron Lett.*, 1976, 1419 (*biosynth*)
Hurley, L.H. *et al*, *Biochemistry*, 1979, **18**, 4230 (*biosynth, cmr*)
Hurley, L.H. *et al*, *Acc. Chem. Res.*, 1980, **13**, 263; *Antibiotics (N.Y.)*, 1981, **4**, 262 (*revs*)
Giuliano, R.M., *Diss. Abstr. Int. B*, 1982, **42**, 3687 (*rev*)
Parker, K.A. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 7330 (*struct*)

Sibutramine, BAN, INN S-00065

1-(4-Chlorophenyl)-N,N-dimethyl-α-(2-methylpropyl)cyclobutanemethanamine, 9CI. 1-(1-p-Chlorophenylcyclobutyl)-3-methylbutyldimethylamine

[106650-56-0]



$C_{17}H_{26}ClN$ M 279.852

(±)-*form*

Antidepressant.

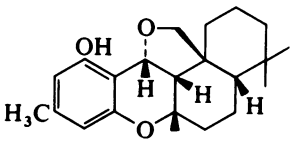
B,HCl: [84485-00-7]. *BTS 54524.* Yellow cryst. (Me_2CO). Mp 195-197°.

B.P., 2 098 602, (*1982*); *CA*, **98**, 71544q (*synth*)

Siccanin, INN, JAN S-00066

1,2,3,4,4a,5,6,6a,11b,13b-Decahydro-4,4,6a,9-tetramethyl-13H-benzo[a]furo[2,3,4-mn]xanthen-11-ol, 9CI. Tackle. CS 280. SI 23548

[22733-60-4]



$C_{22}H_{30}O_3$ M 342.477

Isol. from cultures of *Helminthosporium siccans*, a parasitic organism of ryegrass. Antifungal agent. Cryst. Mp 139-140°. $[\alpha]_D^{20}$ −136° (c, 2 in $CHCl_3$). pK_a 10.9.

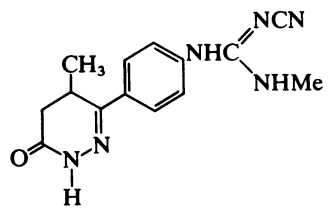
4-Bromobenzenesulfonyl: Orthorhombic cryst. Mp 156°.

Ishibashi, K., *J. Antibiot., Ser. A*, 1962, **15**, 161 (*isol*)
Hirai, K. *et al*, *Acta Crystallogr., Sect. B*, 1969, **25**, 2630 (*cryst struct*)
Hirai, K. *et al*, *Tetrahedron*, 1971, **27**, 6057 (*struct, uv, ir, ms, pmr*)
Suzuki, K.T. *et al*, *Bioorg. Chem.*, 1974, **3**, 72 (*biosynth*)
Bellotti, M.G. *et al*, *Chemoterapia*, 1985, **4**, 431 (*props*)
Kato, M. *et al*, *Tetrahedron*, 1987, **43**, 711 (*synth*)

Siguazodan, BAN S-00067

N-*Cyano*-N′-*methyl*-N″-[*4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl*]*guanidine. SKF 94836*

[99591-83-0]



$C_{14}H_{16}N_6O$ M 284.320

(±)-*form* [115344-47-3]

Vasodilator, inotropic agent. Bronchodilator. Platelet aggregation inhibitor. Cryst. (DMF aq.). Mp 264-265°.

Eur. Pat., 150 937, (*1985*); *CA*, **104**, 34098 (*synth*)
Gristwood, R.W. *et al*, *Br. J. Pharmacol.*, 1988, **93**, 893 (*pharmacol*)

Pearce, J.C. *et al*, *Chemom. Intell. Lab. Syst.*, 1988, **3**, 315 (*hplc, anal*)
Torphy, T.J., *Agents Actions Suppl.*, 1988, **23**, 37 (*rev*)

Silver nitrate S-00068

[7761-88-8]

$AgNO_3$

$AgNO_3$ M 169.873
Topical antiinfective agent. Colourless rhombic cryst. Mp 212°. Changes to hexagonal form at 159°. Dec. at 440°.

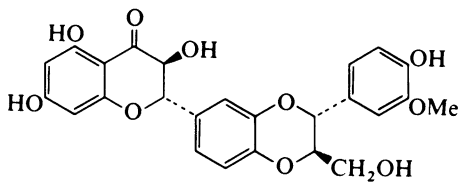
▷VW4725000.

U.S.P., 2 581 518, 2 581 519, (*1948*); *CA*, **47**, 6619f, 6619g (*synth*)
Merck Index, 10th Ed., 8352.
Lockhart, H.B., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley-Interscience, N.Y., **21**, 19 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5321.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3031.

Silybin S-00069

Silibinin, INN. *Silybum substance* E6. *Silymarin. Numerous proprietary names*

[22888-70-6]



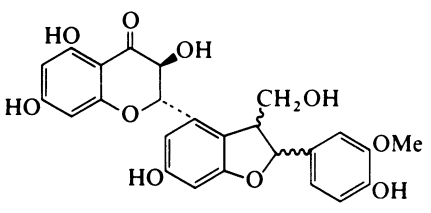
$C_{25}H_{22}O_{10}$ M 482.443
Isol. from *Silybum marianum*. Drug used for treatment of brain oedema and liver disorders. Cryst. + $1H_2O$ (Me_2CO/pet. ether). Mp 167°. $[\alpha]_D^{20}$ +11° (c, 0.25 in Me_2CO). Dec. at 180°.

Zoltan, O.T. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1248 (*pharmacol*)
Hänsel, R. *et al*, *Chem. Ber.*, 1975, **108**, 1482 (*isol, struct*)
Pelter, A. *et al*, *Chem. Ber.*, 1975, **108**, 790 (*isol, struct*)
Cavallini, L. *et al*, *Gazz. Med. Ital.*, 1976, **135**, 365 (*rev*)
Merlini, L. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1980, 775 (*synth*)
Lotter, H. *et al*, *Z. Naturforsch., C*, 1983, **38**, 339 (*cryst struct*)
Tanaka, H. *et al*, *Chem. Pharm. Bull.*, 1984, **33**, 1419 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13236.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7244 (*synonyms*)

Silychristin S-00070

Silicristin, INN. *Silymarin II*

[33889-69-9]



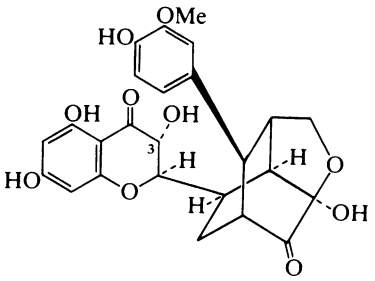
$C_{25}H_{22}O_{10}$ M 482.443
Isol. from fruits of *Silybum marianum*. Inhibitor of horseradish peroxidases and lipoxygenase. Plant growth regulator, antihepatotoxic agent. Cryst. (H_2O). Mp 174-176°. $[\alpha]_D^{23}$ +81.4° (Py).

Wagner, H. *et al*, *Tetrahedron Lett.*, 1971, 1895 (*isol*)
Bandopadhyay, M. *et al*, *Indian J. Chem.*, 1972, **10**, 808 (*isol*)
Greiml, A. *et al*, *Experientia*, 1977, **33**, 1417.
Wagner, H. *et al*, *Tetrahedron Lett.*, 1978, 381 (*struct*)
Fiebrich, F. *et al*, *Experientia*, 1979, **35**, 1548 (*props*)
Zanarotti, A., *Heterocycles*, 1982, **19**, 1585 (*stereochem, cd*)

Silydianin S-00071

Silidianin, INN

[29782-68-1]



$C_{25}H_{22}O_{10}$ M 482.443
Constit. of *Silybum marianum*. Antihepatotoxic agent, plant growth regulator. Mp 191°. $[\alpha]_D^{24}$ +175° (Me_2CO), $[\alpha]_D$ +218°.

3-Deoxy: [70815-31-5]. ***Silymonin***.
$C_{25}H_{22}O_9$ M 466.443
Constit. of *S. marianum*. Cryst. Mp 258-260°. $[\alpha]_D$ +127°.

Janiak, B. *et al*, *Planta Med.*, 1960, **8**, 71 (*isol*)
Abraham, D.J. *et al*, *Tetrahedron Lett.*, 1970, 2675 (*struct*)
Hoelzl, J., *Z. Naturforsch., C*, 1974, **29**, 82 (*biosynth*)
Wagner, H. *et al*, *Z. Naturforsch., B*, 1976, **31**, 876 (*isol, ms, pmr, cryst struct, abs config*)
Szilágyi, I. *et al*, *Herba Hung.*, 1978, **17**, 65 (*isol*)

Simaldrate, INN S-00072

Tris[metasilicato(2−)]dioxodimagnesium(1:2) aluminate(4−), 9CI. ***Silodrate, USAN***. *Aluminosilicic acid magnesium salt. MP 1051*

[12408-47-8]

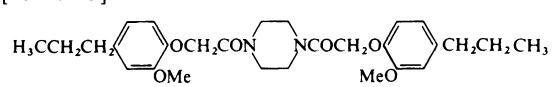
$Al_2Mg_2O_{11}Si_3$ M 362.823
Antacid. Fine white powder.

B.P., 1 153 513, (*1969*); *CA*, **71**, 126618s (*synth*)
Schnekenburger, J., *Arzneim.-Forsch.*, 1974, **24**, 142 (*pharmacol*)

Simetride, INN S-00073

1,4-Bis[(2-methoxy-4-propylphenoxy)acetyl]piperazine, 9CI. Kyorin AP 2. AP 2

[154-82-5]



$C_{28}H_{38}N_2O_6$ M 498.618
Analgesic, antiinflammatory, antipyretic agent. Pale yellow. Mp 138.5-139°.

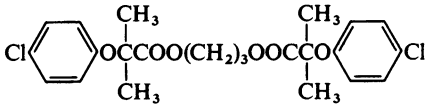
▷TK9700000.

Fr. Pat., M2936, (*1964*); *CA*, **62**, 11830c (*synth, pharmacol*)
Irikura, T. *et al*, *Yakugaku Zasshi*, 1964, **84**, 744 (*synth, pharmacol*)
Nishino, K. *et al*, *Yakugaku Zasshi*, 1965, **85**, 715 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2703.

Simfibrate, INN **S-00074**

1,3-Propanediyl 2-(4-chlorophenoxy)-2-methylpropanoate, 9CI. 2-(p-Chlorophenoxy)-2-methylpropionic acid trimethylene ester, 8CI. Trimethylenebis(clofibrate). Cholesolvin. Diclofibrate. Fibrafit. Halofide. Liposolvin. Sinfibrex. CLY 503

[14929-11-4]



$C_{23}H_{26}Cl_2O_6$ M 469.361

Hypocholesterolaemic, lipid regulating agent. Mp 51-53°. $Bp_{0.15}$ 220-230°.

▷UE9510000.

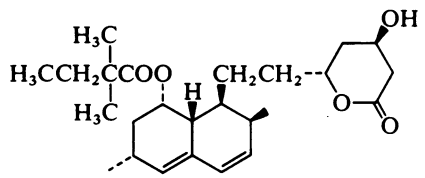
Netherlands Pat., 6 600 044, (*1966*); *CA*, **66**, 2347t (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1358.

Simvastatin, BAN, INN, USAN **S-00075**

2,2-Dimethylbutanoic acid 1,2,3,7,8,8a-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-2-oxo-2H-pyran-2-yl)ethyl]-1-naphthalenyl ester, 9CI. Synvinolin. Velastatin. MK 733

[79902-63-9]



$C_{25}H_{38}O_5$ M 418.572

Antihyperlipidaemic agent. Cryst. (1-chlorobutane/hexane). Mp 135-138°.

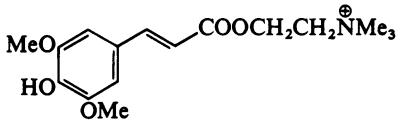
Hoffman, W.F. *et al*, *J. Med. Chem.*, 1986, **29**, 849 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2452.

Sinapine **S-00076**

2-[[3-(4-Hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl]oxy]-N,N,N- trimethylethanaminium, 9CI. Choline-4-hydroxy-3,5-dimethoxycinnamate ester, 8CI

[18696-26-9]



$C_{16}H_{24}NO_5^{\oplus}$ M 310.369 (ion)

Alkaloid from seeds of *Brassica nigra, B. alba* (*Sinapis alba*) and many other spp. in the Cruciferae. Also from the Chinese drug Ting Li (*Draba nemorosa*) (Cruciferae). Astringent antinutrient of practical importance, esp. in cattle feed, e.g. rape meal.

Iodide: [5655-06-1].
$C_{16}H_{24}INO_5$ M 437.274
Mp 185-186° (178-179°).

Sulphate: [6509-38-2]. Mp 186-188° (anhyd.), Mp 126.5-127.5° dec. (dihydrate).

Gadamer, J., *Arch. Pharm.* (*Weinheim, Ger.*), 1897, **235**, 44 (*isol*)

Späth, E., *Monatsh. Chem.*, 1920, **41**, 271 (*synth*)

Kung, H.P. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1836 (*isol, uv*))

Schwartze, P., *Naturwissenschaften*, 1949, **36**, 88 (*isol*)

Tzagoloff, A., *Plant Physiol.*, 1963, **38**, 202 (*metab*)

Durkee, A.B. *et al*, *J. Food Sci.*, 1975, **40**, 820 (*occurrence*)

Sosulski, F.W., *Dev. Food Proteins*, 1983, **2**, 109 (*rev*)

Regenbrecht, J. *et al*, *Phytochemistry*, 1985, **24**, 407.

Sincalide, BAN, INN, USAN **S-00077**

1-De(5-oxo-L-proline)-2-de-L-glutamine-5-L-methionine caerulein, 9CI. Kinevac. CCK 8. Cholecystokininoctapeptide. SQ 19844

[25126-32-3]

H-Asp-Tyr(SO_3H)-Met-Gly-Trp-Met-Asp-PheNH_2

$C_{49}H_{62}N_{10}O_{16}S_3$ M 1143.266

Synthethic peptide comprising the eight C-terminal residues of cholecystokinin. Like cholecystokinin it causes gall-bladder contraction and in the presence of secretin, stimulates pancreatic secretion. Used clinically as a diagnostic of pancreatic and gall-bladder function. $[\alpha]_D^{23}$ −18.4° (c, 0.7 in 1*N* NH_3).

Rubin, B. *et al*, *J. Pharm. Sci.*, 1969, **58**, 955 (*pharmacol*)

Ondetti, M.A. *et al*, *Pept.: Chem. Biochem., Proc. Amer. Pept. Symp., 1st* (*1968*), 1970, (*Weinstein, B., Ed.*), Marcel Dekker Inc., New York, 181 (*synth*)

Balaspiri, L, *Acta Physiol. Acad. Sci. Hung.*, 1976, **47**, 299 (*rev, synth*)

Engel, S.L. *et al*, *Pharmacol. Biochem. Prop. Drug. Subst.*, 1979, **2**, 516 (*rev, pharmacol*)

Rajh, H.M. *et al*, *Int. J. Pept. Protein. Res.*, 1980, **15**, 200 (*synth, biol activity*)

Modern Drug Encyclopaedia and Therapeutic Index, 16th Ed., (*Lewis, A.J., Ed.*), 1981, Yorke Medical Books, New York, 863

Roques, B.P. *et al*, *Ann. N.Y. Acad. Sci.*, 1985, **448**, 61, 448 (*rev, biol activity, conformn, metab*)

Fournie-Zaluski, M.C. *et al*, *Biochemistry*, 1986, **25**, 3778 (*conformn, nmr*)

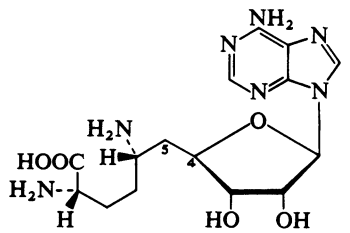
Nakahara, T. *et al*, *Anal. Biochem.*, 1986, **154**, 194 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2148.

Sinefungin, USAN, INN **S-00078**

A 9145. RP 32232. Antibiotic A 9145. Antibiotic RP 32232. Lilly 57926

[58944-73-3]



$C_{15}H_{23}N_7O_5$ M 381.391

Nucleoside antibiotic. From *Streptomyces griseolus* and *S. incarnatus*. Antiviral agent with antifungal props.

▷HE3140000.

4,5-Didehydro: [66753-47-7]. ***Dehydrosinefungin***. *A 9145C. Antibiotic A 9145C. C-Factor.*
$C_{15}H_{21}N_7O_5$ M 379.375
From *S. griseolus*. Antifungal agent.

δ-Lactam: [67214-43-1]. ***Antibiotic RP 35391***.
$C_{15}H_{21}N_7O_4$ M 363.375

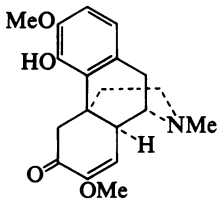
From *S. griseolus* and *S. incarnatus*. Antifungal agent.

Boeck, L.D. *et al*, *Antimicrob. Agents Chemother.*, 1973, **3**, 49 (*isol*)
Nagarajan, R. *et al*, *17th Intersci. Conf. Antimicrob. Agents and Chemoth.*, New York, 1977, No. 50 (*struct*)
Berry, D.R. *et al*, *J. Antibiot.*, 1978, **31**, 185 (*biosynth*)
Pugh, C.S.G. *et al*, *J. Biol. Chem.*, 1978, **253**, 4075 (*props*)
B.P., 1 567 871, (*1980*); *CA*, **94**, 2930 (*isol*)
Geze, M. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 7638 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 932.

Sinomenine S-00079

7,8-Didehydro-4-hydroxy-3,7-dimethoxy-17-methylmorphinan-6-one, *9CI. Cucoline*

[115-53-7]



Absolute configuration

$C_{19}H_{23}NO_4$ M 329.395

Alkaloid from *Sinomenium acutum* (Menispermaceae). Weak analgesic. Abortifacient in large doses. Starting material for synth. of enantiomeric morphine derivs. Mp 161°, 182° (double Mp). $[\alpha]_D^{25}$ −71° (c, 2.1 in EtOH).

▷QD2170000.

B,HCl: Cryst. + $2H_2O$. Mp 231° dec. $[\alpha]_D^{17}$ −82° (c, 4.4 in H_2O).

14-Epimer: ***14-Episinomenine***.
$C_{19}H_{23}NO_4$ M 329.395
Alkaloid from *Ocotea brachybotra* (Lauraceae). Cryst. + $\frac{1}{2}C_6H_6$ (C_6H_6). Mp 118-120°. $[\alpha]_D^{20}$ −40° (c, 1 in $CHCl_3$).

14-Epimer; B,HCl: Cryst. + $2H_2O$ (MeOH). Mp 200-210°.

1,1′-Dimer: [596-58-7]. ***Bisinomenine***. *Dehydrosinomenine. Bisinomenine.*
$C_{38}H_{44}N_2O_8$ M 656.774
Alkaloid from seeds of *S. acutum* (Menispermaceae), also obt. by oxidn. of Sinomenine. Tablets (MeOH), needles (C_6H_6). Mp 222°. $[\alpha]_D^{25}$ +97.4° (c, 0.4 in MeOH). Probable artifact of oxidn.

Goto, K. *et al*, *Justus Liebigs Ann. Chem.*, 1931, **485**, 247 (*struct*)
Bentley, K.W. *et al*, *J. Chem. Soc.*, 1955, 3252.
Vecchietti, V. *et al*, *Tetrahedron Lett.*, 1976, 1631 (*epimer*)
Bjørevåg, S.V. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 1066 (*cryst struct, bibl*)

Sinostemonine S-00080

Struct. unknown

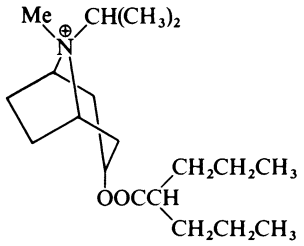
$C_{21}H_{36}NO_5$ M 382.519

Constit. of the Chinese drug "Pai pu", stated to be derived from an unidentified *Stemona* sp. (Stemonaceae). Needles (H_2O). Mp 138-138.5°. $[\alpha]_D^{25}$ −37° (H_2O).

Lee, H.M. *et al*, *J. Am. Pharm. Assoc.*, 1940, **29**, 391 (*isol, pharmacol*)

Sintropium(1+) S-00081

8-Methyl-8-(1-methylethyl)-3-[(1-oxo-2-propylpentyl)oxy]-8-azoniabicyclo[3.2.1]octane, *9CI. 3-Hydroxy-8-isopropyltropanium 2-propylvalerate*



$C_{19}H_{36}NO_2^{\oplus}$ M 310.499 (ion)

Spasmolytic agent.

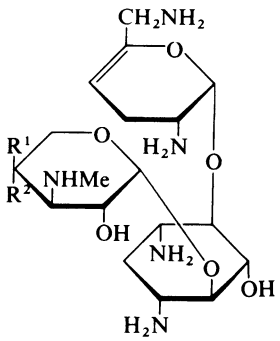
Bromide: [79467-19-9]. *Sintropium bromide*, *INN*.
$C_{19}H_{36}BrNO_2$ M 390.403
Mp >280° dec.

Eur. Pat., 42 365, (*1981*); *CA*, **96**, 181487q (*synth, pharmacol*)

Sisomicin, USAN, INN S-00082

Sissomicin, BAN. *Rickamicin. Antibiotic 6640. Other proprietary names*

[32385-11-8]



R^1 = OH, R^2 = CH_3

$C_{19}H_{37}N_5O_7$ M 447.531

Aminoglycoside antibiotic. Isol. from *Micromonospora inyoensis*. Shows broad-spectrum activity. Cryst. + $1H_2O$ (EtOH). Mp 198-201°. $[\alpha]_D^{26}$ +189° (c, 0.3 in H_2O).

▷WK2284900.

2B, 5H₂SO₄: [53179-09-2]. *Sisomicin sulfate*, *JAN*, *USAN*. *Siseptin.*

N′-Me: [59711-89-6]. *N′-Methylsisomycin.*
Semisynthetic. $[\alpha]_D$ +153° (H_2O).

6′-N-Me: [51909-61-6]. ***Antibiotic G 52***. *G 52.*
$C_{20}H_{39}N_5O_7$ M 461.557
From *M. inyoensis*. Broad spectrum antibiotic. $[\alpha]_D^{26}$ +157°.

▷WK2195000.

N-De-Me: [66762-58-1]. ***3″-N-Demethylsisomicin***. *Antibiotic 66-40G.*
$C_{18}H_{35}N_5O_7$ M 433.504
Isol. from *M. inyoensis* and *M. sagamiensis*. Active against gram-positive and -negative bacteria. Mp 168-178°. $[\alpha]_D^{26}$ +158.4° (H_2O).

Stereoisomer: [78779-60-9]. ***Antibiotic G367-S₂***. *G367-S₂. G367-2.*
$C_{19}H_{37}N_5O_7$ M 447.531
Prod. by *Dactylosporangium thialandense*. Active against gram-negative bacteria. Powder. Mp 151-155°. $[\alpha]_D^{24}$ +159.8° (c, 1.0 in H_2O).

Penta-Ac: Amorph. powder. Mp 185-190°. $[\alpha]_D^{26}$ +194.6° (MeOH).

Weinstein, M.J. *et al*, *J. Antibiot.*, 1970, **23**, 551 (*isol*)
Cooper, D.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 285 (*pmr, ir, struct*)
Reimann, H. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 924 (*pmr*)
Reimann, H. *et al*, *J. Org. Chem.*, 1974, **39**, 1451 (*struct, nmr, ir, ms*)
Cleophax, J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1975, 11 (*synth, struct*)
Testa, R.T. *et al*, *J. Antibiot.*, 1975, **28**, 573 (*biosynth*)
U.S.P., 4 002 742, (*1977*); *CA*, **87**, 6298 (*derivs*)
Davies, D.M. *et al*, *J. Med. Chem.*, 1978, **21**, 189 (*deriv*)
Kugelman, M. *et al*, *J. Antibiot.*, 1978, **31**, 643 (*isol, pmr, cmr, deriv*)
Nagabhushan, T.L. *et al*, *J. Antibiot.*, 1978, **31**, 43 (*synth*)
Belg. Pat., 884 925, (*1980*); *CA*, **95**, 148692 (*deriv*)
B.P., 2 053 895, (*1981*); *CA*, **95**, 130966 (*deriv*)
Japan. Pat., 81 01 893, (*1981*); *CA*, **95**, 5118 (*isol, deriv*)
Noone, P., *Drugs*, 1984, **27**, 548 (*rev, pharmacol, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 152.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5531.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 299.

Sodium arsenate S-00083

[7778-43-0]

Na_2HAsO_4

$AsHNa_2O_4$ M 185.907
Mp 57° (rapid heating). Converted to pyroarsenate when heated to 150°. ^{74}As labelled cpd. used as radioactive agent.

▷CG0875000.

Franke, M., *J. Pharmacol. Exp. Ther.*, 1936, **58**, 454 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13242.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 299.

Sodium aurotiosulfate, INN S-00084

Sodium dithiosulfatoaurate(I), 8CI. Gold sodium thiosulfate. Sanochrysine. Aurocidin. Aurolin. Auropex. Aurothion. Novacrysin. Solfocrisol. Thiochrysine

[10210-36-3]

$Na_3Au(S_2O_3)_2$

$AuNa_3O_6S_4$ M 490.172
Antirheumatic. Glistening cryst. + $2H_2O$.

▷MD6300000.

Brown, H., *J. Am. Chem. Soc.*, 1927, **49**, 958 (*synth*)
Orestano, G., *Arch. Int. Pharmacodyn.*, 1933, **44**, 259 (*pharmacol*)
DiMattei, P., *Arch. Ital. Sci. Farmacol.*, 1941, **10**, 2; *CA*, **37**, 2455 (*pharmacol*)
Whitehouse, M.W. *et al*, *Biochem. Pharmacol.*, 1965, **14**, 1173 (*props*)
Ruben, H. *et al*, *Inorg. Chem.*, 1974, **13**, 1836 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5297.

Sodium chloride S-00085

Ayr. Hypersal

[7647-14-5]

NaCl

ClNa M 58.443
Pharmaceutic aid (tonicity agent). Cubic cryst. Mp 804°. Bp 1465°. ^{22}Na labelled cpd. used as radioactive agent (Natritope chloride). Component of Lytears.

▷VZ4725000.

Kaufmann, D.W., *Sodium chloride*, ACS Monograph Ser. 145, 1960, Reinhold, NY (*rev*)
Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 722 (*manuf*)
Heiss, J.F. *et al*, *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley-Interscience, N.Y., **21**, 205 (*rev*)
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3053.

Sodium chromate S-00086

[7775-11-3]

Na_2CrO_4

$CrNa_2O_4$ M 161.973
Yellow rhombic cryst. Sol. H_2O. Mp 792°. ^{51}Cr labelled cpd. used as radioactive agent (Chromitope sodium).

▷GB2955000.

Decahydrate: Yellow monoclinic cryst. + $10H_2O$ (H_2O). Mp 19.9°. Deliquescent.

Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 731 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5854.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 1498, 3056.

Sodium fluoride S-00087

[7681-49-4]

NaF

FNa M 41.988
Dental caries prophylactic. White cryst. Mp 992°. Bp 1704°. Component of Checkmate, Fluoral, Pediaflor and Zendium.

▷WB0350000.

Caruso, F.S. *et al*, *Handb. Exp. Pharmacol.*, 1970, **20** (*Part 2*), 144 (*pharmacol*)
Ashley, F.P. *et al*, *Br. Dent. J.*, 1977, **143**, 333 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7733.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3065.

Sodium iodide S-00088

[7681-82-5]

NaI

INa M 149.894
Iodine supplement, expectorant. Colourless cubic cryst. Mp 651°. Bp 1304°. ^{123}I and ^{125}I labelled cpds. are used as radioactive agents and in thyroid function determination. ^{131}I also used as an antineoplastic agent.

▷WB6475000.

Loeser, D. *et al*, *J. Lab. Clin. Med.*, 1929, **15**, 35 (*tox*)
Merrell, P.H. *et al*, *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley, N.Y., **21**, 226 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4581, 5864.

Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3073.

Sodium nitrite S-00089

[7632-00-0]

$NaNO_2$

$NNaO_2$ M 68.995

Cyanide antidote, vasodilator. Yellowish hygroscopic granules. Mp 271°. Dec. at 320°.

▷RA1225000.

Plekhotkun, V.F., *Zh. Prikl. Khim.*, 1967, **40**, 1843.
Smyth, H.F. *et al*, *Am. Ind. Hyg. Assoc. J.*, 1969, **30**, 470 (*tox*)
Kraljic, J., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley-Interscience, N.Y., **21**, 240 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1055.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3082.

Sodium sulfate S-00090

[7757-82-6]

Na_2SO_4

Na_2O_4S M 142.037

Calcium regulator, cathartic. Orthorhomb. cryst. Mp 882°. Cryst. form changes at 100° to monoclinic and at 500° to hexagonal. ^{35}S labelled cpd. used as a radioactive agent.

▷WE1650000.

Decahydrate: Glauber's salt. Colourless monoclinic cryst. Mp 32.4°. Loses $10H_2O$ at 100°.

Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 762 (*synth*)
Canning, T.F., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley-Interscience, N.Y., **21**, 245 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1199, 5877.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3096.

Sodium thiosulfate S-00091

Sulfactol

[7772-98-7]

$Na_2S_2O_3$

$Na_2O_3S_2$ M 158.098

Cyanide antidote, antifungal agent. White monoclinic cryst. Component of Komed and Tinver.

▷XN6476000.

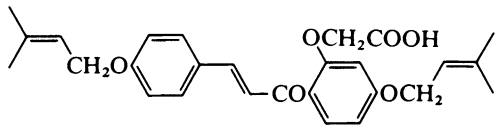
Pentahydrate: Hypo. White monoclinic cryst. Dec. at 48°.

Voegtlin, C. *et al*, *J. Pharmacol. Exp. Ther.*, 1925, **25**, 297 (*tox*)
Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 769 (*synth*)
Uraz, A.A. *et al*, *Acta Cryst. Ser. B*, 1977, **33**, 1396 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1057.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3099.

Sofalcone, INN, JAN S-00092

[5-[(3-Methyl-2-butenyl)oxy]-2-[3-[4-[(3-methyl-2-butenyl)oxy]phenyl]-1-oxo-2-propenyl]phenoxy]acetic acid, 9CI. [5-[(3-Methyl-2-butenyl)oxy]-2-[p-[(3-methyl-2-butenyl)oxy]cinnamoyl]phenoxy]acetic acid. Solon. SU-88

[64506-49-6]



$C_{27}H_{30}O_6$ M 450.530

Antiulcer agent. Cryst. (EtOH). Mp 141-142° (143-144°).

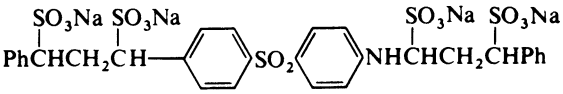
▷AI8987000.

Kyogoku, K. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 2943 (*synth, pharmacol*)
Kimura, M. *et al*, *Jpn. J. Pharmacol.*, 1984, **35**, 389 (*pharmacol*)
Suwa, T. *et al*, *Jpn. J. Pharmacol.*, 1984, **35**, 47 (*pharmacol*)
Konturek, S.J. *et al*, *Eur. J. Pharmacol.*, 1986, **125**, 185 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16989.

Solapsone, BAN S-00093

1,1'-[Sulfonylbis(4,1-phenyleneimino)]bis[3-phenyl-1,3-propanedisulfonic acid] tetrasodium salt, 9CI, 8CI. ***Solasulfone, INN****. Cimedone. Novotrone. Sulfetron. Sulphedrone. Sulfetrone. Sulphonazine. Solusulfone. RP 3668*

[133-65-3]



$C_{30}H_{28}N_2Na_4O_{14}S_5$ M 892.815

Antileprotic. Solvated cryst. (EtOH aq.). V. sol. H_2O, insol. EtOH.

▷TZ2580000.

Buttle, G.A.H. *et al*, *Biochem. J.*, 1938, **32**, 1101 (*synth*)
Maclay, M.H. *et al*, *Vet. Record*, 1947, **59**, 313 (*pharmacol*)
Brownlee, G. *et al*, *Br. J. Pharmacol.*, 1948, **3**, 15 (*pharmacol*)
Brownlee, G., *Lancet*, 1948, **25**, 131 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6561.

Solpecainol, INN S-00094

2-[(1-Methyl-2-phenoxyethyl)amino]-1-phenyl-1,3-propanediol, 9CI. Sopecainol

[68567-30-6]

$PhCH(OH)CH(CH_2OH)NHCH(CH_3)CH_2OPh$

$C_{18}H_{23}NO_3$ M 301.385

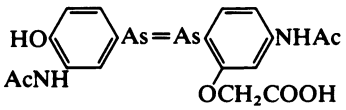
Antianginal, antiarrhythmic agent.

Ger. Pat., 2 810 482, (*1978*); *CA*, **90**, 22566 (*synth, pharmacol*)

Soluarsphenamine S-00095

[5-(Acetylamino)-2-[[3-(acetylamino)-4-hydroxyphenyl]diarsenyl]phenoxy]acetic acid. Acetylglycarsonobenzol. Solu-Salvarsan

[6880-68-8]



$C_{18}H_{18}As_2N_2O_6$ M 508.193

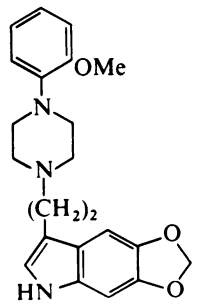
Antibacterial (antisyphilitic). Used as Na salt.

B.P., 360 957, (*1931*) (*synth*)

Solypertine, INN S-00096

7-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]-5H-1,3-dioxolo[4,5-f]indole, 9CI. Win 18413

[4448-96-8]



$C_{22}H_{25}N_3O_3$ M 379.458

Antiadrenergic drug. Mp 158-159.4°.

▷JI4655000.

Tartrate (1:1): [5591-43-5]. *Solypertine tartrate, USAN.*

▷JI4660000.

Archer, S. *et al*, *J. Am. Chem. Soc.*, 1962, **84**, 1306 (*synth, pharmacol*)
B.P., 944 443, (*1963*); *CA*, **60**, 9294h (*synth*)
Hameed, J.M.A. *et al*, *Br. J. Pharmacol. Chemother.*, 1966, **26**, 186 (*pharmacol*)

Somatorelin, INN S-00097

Somatoliberin (human pancreatic islet), 9CI. Cyramedine. Somatobiss. Somatocrinin. hp GRF (1-44)NH_2

[83930-13-6]

H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH_2

$C_{215}H_{358}N_{72}O_{66}S$ M 5039.696

Growth hormone-releasing factor. Diagnostic aid.

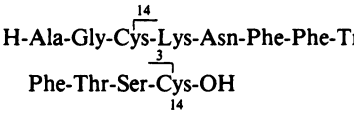
B,9AcOH: Fluffy powder +21 H_2O. $[\alpha]_D^{20}$ −60.0° (c, 0.2 in 0.2M AcOH).

Ohashi, S. *et al*, *Pept. Chem.*, 1983, **21**, 279, 285, 291; 1985, **23**, 45 (*synth, struct, props*)
Fujii, N. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 520 (*synth*)
Ling, N. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1984, **81**, 4302 (*isol, props*)
Felix, A.M. *et al*, *Annu. Rep. Med. Chem.*, 1985, **20**, 185 (*rev, pharmacol*)
Vale, W. *et al*, *Hum. Growth Horm.*, 1986, 325, 361, 373 (*revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3765.

Somatostatin, BAN, INN S-00098

Growth hormone release-inhibiting factor, 9CI. Somatotropin release inhibiting factor. Panhibin. GH-RIF. SRIF. Aminopan. CM 9357. Modustatine. Somatofalk. Somiaton. Stilamin. Sumestil

[51110-01-1]



$C_{76}H_{104}N_{18}O_{19}S_2$ M 1637.887

Short-lived multi-functional mammalian hormone found in the hypothalamus, the CNS, pancreas, stomach and intestine. It inhibits the release of growth hormone, thyrotropin, insulin, glucagon, gastrin, pepsin, secretin and vasoactive intestinal peptide (VIP). Of little therapeutic value at present because of its lability and multivariate action. Growth hormone-release inhibiting factor. Intensive research continues to find analogues of prolonged and/or selective activity.

▷WF8751700.

Burgus, R. *et al*, *Proc. Natl. Acad. Sci. USA*, 1973, **70**, 684 (*isol*)
Fujii, N. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 1596 (*synth*)
Itakura, K. *et al*, *Science*, 1977, **198**, 1056 (*cloning*)
Schally, A.V. *et al*, *Horm. Proteins and Pept.*, (*Li, C.H., Ed.*), 1979, Academic Press, New York, **4**, 2 (*rev*)
Bodanszky, M. *et al*, *Gastrointest. Horm.*, 1980, 413 (*rev, synth*)
Buffington, L. *et al*, *Biochem. Biophys. Res. Commun.*, 1980, **93**, 376 (*pmr*)
McCann, S.M. *et al*, *Adv. Biochem. Psychopharmacol.*, 1980, **22**, 131 (*pharmacol, rev*)
Moroder, L. *et al*, *Bioorg. Chem.*, 1980, **9**, 27 (*synth*)
Veber, D.F. *et al*, *Nature (London)*, 1981, **292**, 55
Wünsch, E. *et al*, *Biopolymers*, 1981, **20**, 1741 (*conformn*)
Gyr, K., *Trends Pharmacol. Sci.*, 1982, **3**, 367 (*pharmacol*)
Conlon, J.M., *Int. Congr. Ser.-Excerpta Med.*, 1983, **600**, 243 (*biosynth, struct*)
Dileepan, K.N. *et al*, *Life Sci.*, 1985, **37**, 2335 (*physiol, metab*)
Lamberts, S.W.J. *et al*, *Front. Horm. Res.*, 1985, **14**, 137 (*rev*)
Zingg, H.H. *et al*, *Adv. Exp. Med. Biol.*, 1985, **188**, 49, 71, 229 (*biosynth, formn, activity*)
Patel, Y., *Prog. Endoc. Res. Ther.*, 1987, **3**, 21 (*rev, biosynth, biol activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5946.

Somatrem, BAN, INN, USAN S-00099

N-*L-Methionylsomatotropin (human), 9CI. Protropin. Met-HGH.* N-*L-Methionyl growth hormone (human). Humatrope. Genotropin*

[82030-87-3]

$C_{995}H_{1537}N_{263}O_{301}S_8$ M 22256.149

Hormone consisting of 192 residues. Analogue of somatropin containing an additional (methionyl) amino acid residue. Growth hormone.

Sometribove, BAN, INN, USAN [102744-97-8]

Methionyl bovine growth hormone. N-*L-Methionylsomatropin(ox), 9CI*

$C_{978}H_{1540}N_{256}O_{286}S_9$ M 21749.008

Hormone consisting of 188 amino acid residues with 2 disulfide bridges. Veterinary growth hormone.

Sometripor, BAN, INN, USAN [102733-72-2]

Methionyl porcine growth hormone

$C_{979}H_{1527}N_{265}O_{287}S_8$ M 21857.916

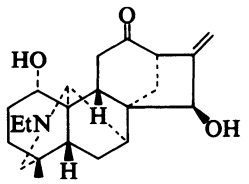
Veterinary growth hormone.

Hintz, R.L. *et al*, *Lancet*, 1982, **1**, 1276 (*biosynth, biol act*)
Skottner, A. *et al*, *Acta Endocrinol. (Copenhagen)*, 1984, **107**, 192 (*activity*)
Eur. Pat., 131 843, (*1985*); *CA*, **102**, 198972j (*Sometribove*)
Larhammar, H. *et al*, *Int. J. Pharm.*, 1985, **23**, 13 (*synth, conformn*)
Rosenthal, S.M. *et al*, *J. Clin. Invest.*, 1986, **77**, 176 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12012.

Songorine S-00100

21-Ethyl-1,15-dihydroxy-4-methyl-16-methylene-7,20-cycloveatchan-12-one, *9CI*. *Napellonine*. *Bullatine* G. *Shimoburo base I*

[509-24-0]



Absolute configuration

$C_{22}H_{31}NO_3$ M 357.492

Alkaloid from the roots of *Aconitum soongoricum* and *A. monticola*, the above-ground parts of *A. karakolicum*, and from the Chinese drug "Fuzi" (*A. carmichaeli*) (Ranunculaceae). Cryst. (MeOH). Mp 212° (201-203°). $[\alpha]_D$ −140°.

▷WG0780000.

B,HCl: Cryst. (MeOH). Mp 257-258°. $[\alpha]_D$ −114° (H_2O).

N-*Oxide:* [66921-56-0]. ***Songorine* N-*oxide***.
$C_{22}H_{31}NO_4$ M 373.491
Alkaloid from above-ground parts of *A. monticola* (Ranunculaceae). Mp 253-255°.

N-*De-Et:* [29722-71-2]. ***Norsongorine***. N-*Deethylsongorine*.
$C_{20}H_{27}NO_3$ M 329.438
Alkaloid from the roots of *A. monticola* (Ranunculaceae). Mp 284-286°.

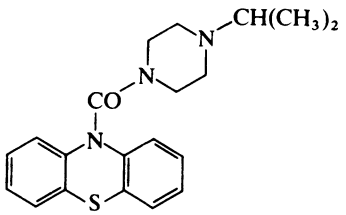
1 or 15-O-*Ac:* [82621-08-7]. ***Acetylsongorine***.
$C_{24}H_{33}NO_4$ M 399.529
Alkaloid from the roots of *A. soongoricum*.

Sugasawa, T., *Chem. Pharm. Bull.*, 1956, **4**, 6 (*struct*)
Wiesner, K. *et al*, *Chem. Ind. (London)*, 1957, 173 (*struct*)
Kuzovkov, A.D., *J. Gen. Chem. USSR (Engl. Transl.)*, 1958, **28**, 2320; 1959, **29**, 1706 (*struct*)
Wiesner, K. *et al*, *Experientia*, 1958, **14**, 167 (*struct*)
Sugasawa, T., *Chem. Pharm. Bull.*, 1961, **9**, 889, 897 (*struct*)
Okamoto, T. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 1270 (*abs config*)
Yunusov, M.S. *et al*, *Khim. Prir. Soedin.*, 1970, **6**, 101; *CA*, **73**, 131178u (*isol, ms, synth*)
Wiesner, K. *et al*, *Can. J. Chem.*, 1973, **51**, 3978 (*synth*)
Nezhevenko, V.E. *et al*, *Khim. Prir. Soedin.*, 1974, 409; *CA*, **82**, 54165u (*isol, Songorine, Norsongorine*)
Ametova, E.F. *et al*, *Khim. Prir. Soedin.*, 1977, 867; *CA*, **89**, 43860k (*Songorine N-oxide*)
Pelletier, S.W. *et al*, *Heterocycles*, 1982, **18**, 47 (*occur*)
Sultankhodzhaev, M.N. *et al*, *Khim. Prir. Soedin.*, 1982, 265, 660; *CA*, **97**, 141697x; **98**, 104284k (*isol*)
Zhamerashvili, M.E. *et al*, *CA*, 1982, **97**, 107014n (*Acetylsongorine*)

Sopitazine, INN S-00101

10-[(4-Isopropyl-1-piperazinyl)carbonyl]phenothiazine, *8CI*

[23492-69-5]



$C_{20}H_{23}N_3OS$ M 353.481

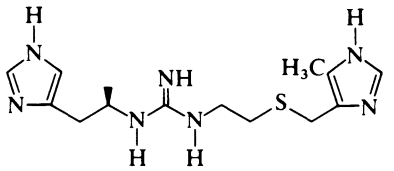
Anticholinergic agent. Mp 107°.

B,HCl: [23492-70-8]. Mp 225°.

Fr. Pat., 1 529 869, (*1968*); *CA*, **71**, 70614t (*synth*)

Sopromidine, INN S-00102

N-*2-(1H-Imidazol-4-yl)-1-methylethyl]-N′-[2-[[(5-methyl-1H-imidazol-4-yl)methyl]thio]ethyl]guanidine*, *9CI*



(*R*)-*form*

$C_{14}H_{23}N_7S$ M 321.443

(*S*)-form is a weak H_2-receptor antagonist.

(***R*)-*form*** [79313-75-0]

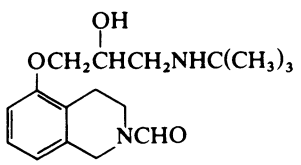
Histamine H_2-receptor agonist.

Arrang, J.M. *et al*, *Eur. J. Pharmacol.*, 1985, **117**, 109 (*pharmacol*)
Elz, S. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 327 (*pharmacol*)

Soquinolol, INN S-00103

5-[3-(tert-Butylamino)-2-hydroxypropoxy]-3,4-dihydro-2(1H)-isoquinolinecarboxaldehyde, *9CI*. *DE-OS 2620179*

[61563-18-6]



$C_{17}H_{26}N_2O_3$ M 306.404

(±)-***form***

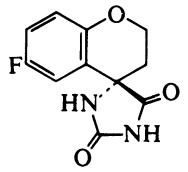
β-Sympatholytic agent.

"Mucate": Cryst. (Me_2CO aq.). Mp 215-216°.

Netherlands Pat., 75 13 301, (*1976*); *CA*, **86**, 89633e (*synth, pharmacol*)

Sorbinil, BAN, USAN, INN **S-00104**

6-Fluoro-2,3-dihydrospiro[4H-1-benzopyran-4,4'-imidazolidine]-2',5'-dione, 9CI. *6-Fluorospiro[chroman-4,4'-imidazolidine]-2',5'-dione. CP 45634*



$C_{11}H_9FN_2O_3$ M 236.202

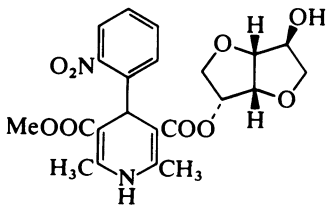
(*S*)-*form* [68367-52-2]

Aldose reductase inhibitor, antidiabetic drug. Mp 241-243°. $[\alpha]_D^{25}$ +54.0° (c, 1 in MeOH).

Kissinger, C.R. *et al, Acta Crystallogr., Sect. C,* 1985, **41**, 988 (*cryst struct*)
Sarges, R. *et al, J. Med. Chem.,* 1985, **28**, 1716 (*synth, abs config*)
Sarges, R. *et al, Metab. Clin. Exp.,* 1986, **35**, 101 (*rev, pharmacol*)
Dirlam, N.L. *et al, J. Org. Chem.,* 1987, **52**, 3587 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16992.

Sornidipine, INN **S-00105**

1,4:3,6-Dianhydro-D-glucitol 5-[methyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridine carboxylate], 9CI. *5-[1,4-Dihydro-2,6-dimethyl-3-methoxycarbonyl-4-(2-nitrophenyl)-5-pyridylcarbonyl]isosorbide*



$C_{22}H_{24}N_2O_9$ M 460.440

Antihypertensive, vasodilator.

(+)-*form*

Cryst. (MeCN). Mp 235°. $[\alpha]_D^{20}$ +209.9° (c, 1.02 in Me_2CO).

(−)-*form*

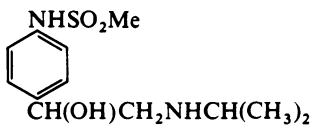
Cryst. (EtOH). Mp 180°. $[\alpha]_D^{20}$ −184° (c, 0.95 in EtOH).

Ger. Pat., 3 248 548, (*1984*); *CA,* **102**, 149715 (*synth, pharmacol*)

Sotalol, BAN, INN **S-00106**

N-[*4-[1-Hydroxy-2-[(methylethyl)amino]ethyl]phenyl]methanesulfonamide,* 9CI. *4'-[1-Hydroxy-2-(isopropylamino)ethyl]methanesulfonanilide,* 8CI

[3930-20-9]



$C_{12}H_{20}N_2O_3S$ M 272.362

(±)-*form*

β-Adrenergic blocker.

B,HCl: [959-24-0]. *Sotalol hydrochloride,* USAN. *Beta-Cardone. Betades. Cormedigin. Jusotal. Lesotal. Sotacor. Sotalex. Sotaper. Sotapor. MJ 1999.* Sol. H_2O, sl. sol. $CHCl_3$. Mp 206.5-207° dec.

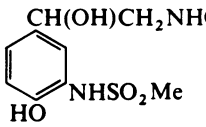
▷PB0826000.

Uloth, R.H. *et al, J. Med. Chem.,* 1966, **9**, 88 (*synth*)
Gartiez, D.A. *et al, J. Pharm. Sci.,* 1972, **61**, 1728 (*ms*)
Gadret, M. *et al, Acta Crystallogr., Sect. B,* 1976, **32**, 2757 (*cryst struct*)
Schnelle, K., *Adv. Clin. Pharmacol.,* 1978, **18**, 111 (*rev, props, anal*)
Gomoll, A.W. *et al, Eur. J. Pharmacol.,* 1986, **132**, 123 (*pharmacol, isom*)
Singh, B.N. *et al, Drugs,* 1987, **34**, 311 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6322.

Soterenol, INN **S-00107**

N-[*2-Hydroxy-5-[1-hydroxy-2-[(methylethyl)amino]ethyl]phenyl]methanesulfonamide,* 9CI. *2'-Hydroxy-5'-[1-hydroxy-2-(isopropylamino)ethyl]methanesulfonanilide,* 8CI

[13642-52-9]



$C_{12}H_{20}N_2O_4S$ M 288.361

Adrenergic, bronchodilator.

▷PB0800000.

B,HCl: [14816-67-2]. *Soterenol hydrochloride,* USAN. *MJ 1992.* Mp 195.5-196.5° dec.

▷PB0822000.

Larsen, A.A. *et al, J. Med. Chem.,* 1967, **10**, 462 (*synth, pharmacol*)
Dungan, K.W. *et al, J. Pharmacol. Exp. Ther.,* 1968, **164**, 290 (*pharmacol*)
Brittain, R.T. *et al, Adv. Drug Res.,* 1970, **5**, 197 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13263.
Sax, N.I., *Dangerous Properties of Industrial Materials,* 6th Ed., Van Nostrand-Reinhold, 1984, 2459.

Sparfosic acid, INN **S-00108**

N-(*Phosphonoacetyl*)*aspartic acid,* 9CI. *NSC 224131. PALA*



$C_6H_{10}NO_8P$ M 255.121

(*S*)-*form* [51321-79-0]

L-form

Antineoplastic agent, aspartate transcarboxylase inhibitor. Also used as Na salt (Sparfosate sodium, USAN).

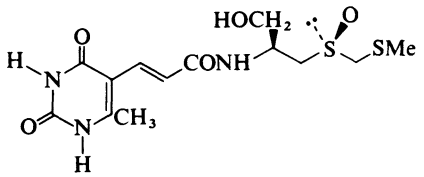
▷CI9469000.

Rozencweig, M. *et al, Cancer Chemother. Pharmacol.,* 1979, **3**, 135 (*rev, pharmacol*)
Kafarski, P. *et al, Synthesis,* 1982, 219 (*synth*)
Montero, J.C. *et al, Eur. J. Med. Chem.,* 1982, **17**, 97 (*synth*)
Zanottit, G. *et al, J. Am. Chem. Soc.,* 1986, **106**, 7900 (*cryst struct*)

Sparsomycin, USAN, INN S-00109

Sparsogenin. B 79B. NSC 59729. U 19183. Antibiotic B 79B. Antibiotic U 19183

[1404-64-4]



$C_{13}H_{19}N_3O_5S_2$ M 361.430

Metab. of *Streptomyces sparsogenes* and *S. cuspidosporus*. Active against gram-negative bacteria, fungi, tumours, and viruses. Inhibits protein synth. Mp 208-209° dec. $[\alpha]_D^{25}$ +69° (c, 0.5 in H_2O).

▷WG5850000.

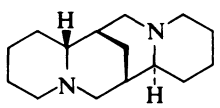
(Z)-Isomer: [58462-97-8]. *Isosparsomycin.* Cryst. (H_2O). Mp 158-164°.

S-Epimer: [77880-77-4]. *S-Episparsomycin.* $[\alpha]_D^{25}$ +48° (c, 0.175 in H_2O). Other diastereoisomers also prepd.

Wiley, P.F. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 417; *J. Org. Chem.*, 1976, **41**, 1858 (*struct, uv, ir, nmr*)
Lin, C.-C.L. *et al*, *J. Med. Chem.*, 1977, **20**, 337 (*synth*)
Goldberg, I.H. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 264 (*rev*)
Ottenheijm, H.C.J. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 1720; *J. Org. Chem.*, **46**, 3273 (*abs config, synth*)
Ash, R.J. *et al*, *Biochem. Biophys. Res. Commun.*, 1984, **125**, 784 (*stereochem, props*)
Liskamp, R.M.J. *et al*, *J. Med. Chem.*, 1984, **27**, 301 (*analogues*)
Hwang, D.R. *et al*, *J. Org. Chem.*, 1985, **50**, 1264 (*synth*)
Ottenheijm, H.C.J. *et al*, *Prog. Med. Chem.*, 1986, **23**, 219 (*rev*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2460.

Sparteine, INN S-00110

Dodecahydro-7,14-methano-2H,6H-dipyrido[1,2-a:1',2'-e]diazocine, 9CI



(−)-*form*
Absolute configuration

$C_{15}H_{26}N_2$ M 234.384

(+)-*form* [492-08-0]

Pachycarpine

Alkaloid from several genera of the family Leguminosae, subfamily Faboideae, notably *Lupinus pusillus*, *Cytisus caucasicus* and *Baptisia* spp., also from *Genista monosperma, Pelargonium (Horea) acutifolia, P. longifolia, Sophora pachycarpa* and *Ammodendron* spp. (Leguminosae). Bp_8 173-174°. $[\alpha]_D$ +17.1° (EtOH). pK_{a1} 3.3 (66% DMF aq.), pK_{a2} 11.4. n_D^{20} 1.5312.

▷Highly toxic. RT0620000.

B,HClO₄: Plates (EtOH). Mp 171-172°.

Dipicrate: Cryst. (EtOH/Me_2CO). Mp 205-206°.

N^{16}-Oxide: [30301-23-6]. ***Pachycarpine N^{16}-oxide.***

$C_{15}H_{26}N_2O$ M 250.383

Alkaloid from *Ammodendron karelinii* (Leguminosae). Cryst. (Me_2CO). Mp 153-154°.

(−)-*form* [90-39-1]

Lupinidine

Alkaloid from several genera of the family Leguminosae, subfamily Faboideae, notably many *Lupinus* and *Adenocarpus* spp., also *Piptanthus nanus*, *Sarothamnus* spp. *Chamaecytisus* spp. Oxytocic agent, has been used in treatment of cardiac insufficiency. Used mainly as sulfate. Ligand for metal ions, used in chiral catalyst systems. Liq. Bp_{18} 181°. $[\alpha]_D$ −17.0° (EtOH). n_D^{19} 1.5289. This is the commonest form, frequently referred to as just Sparteine.

▷WG5950000.

B,2HBr: Mp 194-195°.

B,2HI: Mp 257-258°.

B,H_2SO_4: [299-39-8]. *Sparteine sulfate, USAN. Numerous proprietary names.* Oxytocic agent. Cryst. + $5H_2O$. Dec. at 136°.

▷WG6430000.

Dipicrate: Mp 208° (205-206°).

B,MeI: Mp 239-240°.

(±)-*form* [4985-24-4]

Alkaloid from *C. proliferus* and *A. hispanicus* (Leguminosae). Liq. Bp_1 119-121°. n_D^{20} 1.5223.

B,HClO₄: Mp 131-133°.

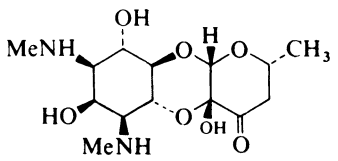
Dipicrate: Mp 208°.

Stenhouse, J., *Justus Liebigs Ann. Chem.*, 1858, **78**, 1 (*isol*)
Clemo, G.R. *et al*, *J. Chem. Soc.*, 1933, 644; 1949, 663 (*struct*)
Jaretzky, R. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1934, **272**, 152 (*occur*)
Anet, E. *et al*, *Nature (London)*, 1950, **165**, 35 (*synth*)
Leonard, N.J. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 1316 (*ir, synth, rev, resoln*)
Okuda, S. *et al*, *Chem. Ind. (London)*, 1961, 1116 (*abs config*)
van Tamelen, E.E. *et al*, *J. Am. Chem. Soc.*, 1969, **91**, 7372 (*synth*)
Cannon, J.R. *et al*, *Aust. J. Chem.*, 1971, **24**, 1537 (*isol*)
Binnig, F. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 752, 753 (*pharmacol*)
Klyne, W. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 2565 (*cd*)
Nakano, T. *et al*, *J. Org. Chem.*, 1974, **39**, 3584 (*ms*)
Bohlmann, F. *et al*, *Chem. Ber.*, 1975, **108**, 1043 (*cmr*)
Kushmuradov, Yu.K. *et al*, *Khim. Prir. Soedin.*, 1977, **13**, 717; *Chem. Nat. Compd.*, 604 (*oxide*)
Fanso-Free, S.N.Y. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 1549 (*N nmr, conformn*)
Golebiewski, W.M. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 1509 (*biosynth*)
Eichelbaum, M. *et al*, *Xenobiotica*, 1986, **16**, 465 (*rev, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3779.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13264.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2460.

Spectinomycin, BAN, INN, USAN S-00111

Actinospectacin. M 141. Antibiotic M 141. Antibiotic 2233wp. Other proprietary names

[1695-77-8]



$C_{14}H_{24}N_2O_7$ M 332.353

Aminoglycoside antibiotic. From *Streptomyces spectabilis*. Active against gram-positive and -negative bacteria. Amorph. solid. Sol. H_2O. Mp 184-194°. $[\alpha]_D^{25}$ −20°. pK_{a1} 6.95, pK_{a2} 8.7.

▷UQ0332500.

B,2HCl: [21736-83-4]. *Spectinomycin hydrochloride, USAN. Stanilo. Togamycin. Trobicin. Spectogard.* White-buff cryst. powder + $5H_2O$. Sol. H_2O, MeOH.

▷UQ0333500.

B,H_2SO_4: Cryst. +$2H_2O$ (Me_2CO aq.). Mp 185° dec. $[\alpha]_D^{25}$ +17° (c, 1 in H_2O).

4-R- *Alcohol:* [28048-39-7]. ***Dihydrospectinomycin***. *Dihydroactinospectacin.*
$C_{14}H_{26}N_2O_7$ M 334.369
From *S. spectabilis*. Shows less antibacterial activity than parent. Cryst. (Me_2CO aq.). Mp 83-84°.
4-R-*Alcohol; B,2HCl:* Cryst. + $2H_2O$. Mp 205-208°. $[\alpha]_D^{25}$ +28.1° (c, 1 in H_2O).

Mason, D.J. *et al, Antibiot. Chemother. (Washington, D.C.)*, 1961, **11**, 118
Hoeksema, H. *et al, J. Am. Chem. Soc.*, 1963, **85**, 2652.
Cochran, T.G. *et al, J. Chem. Soc., Chem. Commun.*, 1972, 494 (*stereochem*)
Hoeksema, H. *et al, J. Antibiot.*, 1975, **28**, 136, 240 (*isol, synth, deriv*)
Stroshane, R.M. *et al, J. Am. Chem. Soc.*, 1976, **98**, 3025 (*biosynth*)
White, D.R. *et al, Tetrahedron Lett.*, 1979, 2737; *ACS Symp. Ser.*, 1980, **125**, 15 (*synth, rev*)
Holloway, W.J., *Med. Clin. North Am.*, 1982, **66**, 169 (*rev, pharmacol*)
White, D.R. *et al, J. Antibiot.*, 1983, **36**, 339 (*analogues*)
Hanessian, S. *et al, Can. J. Chem.*, 1985, **63**, 163 (*synth, bibl*)
Tang, S. *et al, CA*, 1987, **106**, 210830 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 155, 156, 157.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3357.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2460.

Spergualin S-00112

1-Amino-19-guanidino-11,15-dihydroxy-4,9,12-triazanonadecane-10,13-dione. BMG 162 aF_2. *Antibiotic BMG 162* aF_2

[80902-43-8]

$HN{=}C(NH_2)NH(CH_2)_4CH(OH)$-$CH_2CONHCH(OH)CONH(CH_2)_4NH(CH_2)_3NH_2$

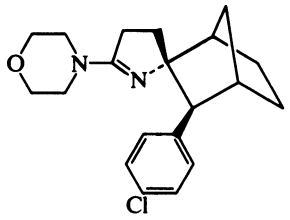
$C_{17}H_{37}N_7O_4$ M 403.524
Peptide antibiotic. Isol. from *Bacillus laterosporus*. Active against gram-negative and -positive bacteria and tumours.
B,3HCl: [80952-47-2]. $[\alpha]_D^{24}$ −11° (c, 1 in H_2O). No def. Mp.
Tripicrate: Mp 62-78°.
15-Deoxy: [89149-10-0]. ***15-Deoxyspergualin***.
$C_{17}H_{37}N_7O_3$ M 387.524
Semisynthetic. Antitumour agent, more active than parent.
15-Deoxy; B,3HCl: Syrup. $[\alpha]_D^{25}$ −7.3° (c, 1 in H_2O).

Takeuchi, T. *et al, J. Antibiot.*, 1981, **34**, 1619 (*isol*)
Umezawa, H. *et al, J. Antibiot.*, 1981, **34**, 1622 (*struct*)
Kondo, S. *et al, J. Antibiot.*, 1981, **34**, 1625 (*synth*)
Belg. Pat., 890 229, (*1982*); *CA*, **97**, 90399
Iwasawa, H. *et al, J. Antibiot.*, 1982, **35**, 1665 (*deriv*)
Umeda, Y. *et al, J. Antibiot.*, 1985, **38**, 886 (*synth*)
Bergeron, R.J. *et al, J. Org. Chem.*, 1987, **52**, 1700 (*deriv, synth*)
Umezawa, K. *et al, Biomed. Pharmacother.*, 1987, **41**, 227 (*rev, pharmacol*)

Spiclamine, INN S-00113

3-(4-Chlorophenyl)-3',4'-dihydro-5'-(4-morpholinyl)-spirobicyclo[2.2.1]heptane-2,2'-[2H]pyrrole, 9CI

[90243-97-3]



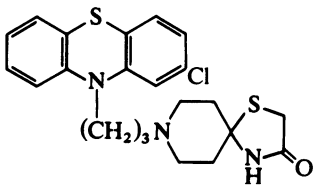
$C_{20}H_{25}ClN_2O$ M 344.883
Tartrate: [76493-48-6]. Mp 272-273°.

Ger. Pat., 2 907 070, (*1980*); *CA*, **94**, 83937 (*synth*)

Spiclomazine, INN S-00114

8-[3-(2-Chloro-10-phenothiazinyl)propyl]-1-thia-4,8-diazospiro[4,5]decan-3-one, 8CI. Clospirazine

[24527-27-3]



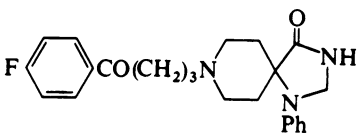
$C_{22}H_{24}ClN_3OS_2$ M 446.024
Tranquilliser (used in treatment of schizophrenia). Needles (Me_2CO). Mp 154-156°.
B,HCl: [27007-85-8]. *APY-606. Diepron.* White to brownish powder, dec. on exposure to light. Sl. sol. Mp 262-264° (dec.).
▷XI2277500.

Nakanishi, M. *et al, J. Pharm. Soc. Jpn.*, 1970, **90**, 800, 808 (*pharmacol*)
U.S.P., 3 574 204, (*1971*); *CA*, (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7104.

Spiperone, BAN, USAN, INN, JAN S-00115

8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, 9CI. 8-[3-(4-Fluorobenzoyl)propyl]-1-phenyl-1,3,8-triazaspiro[4.5]-decan-4-one, 8CI. Spirodecanone. Spiroperidol. Spiropitan. E 525. R 5147

[749-02-0]

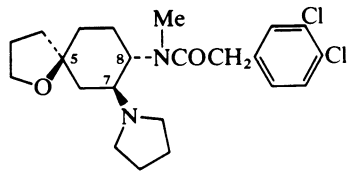


$C_{23}H_{26}FN_3O_2$ M 395.476
Tranquilliser. Mp 190-193.6°.
▷XX8925000.

U.S.P., 3 155 670, (*1964*); *CA*, **62**, 7770
Soudijn, W. *et al, Eur. J. Pharmacol.*, 1967, **1**, 47 (*metab*)
Mishkinsky, J. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **179**, 94 (*pharmacol*)
Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)
Koch, M.H.J., *Acta Crystallogr., Sect. B*, 1973, **29**, 379 (*cryst struct*)
Van Parys, M. *et al, Bull. Soc. Chim. Belg.*, 1981, **90**, 749 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7105.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2462.

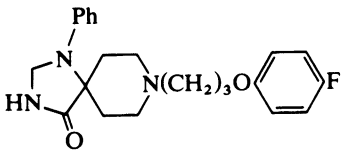
Spiradoline, INN **S-00116**
3,4-Dichloro-N-methyl-N-[7-(1-pyrrolidinyl)-1-oxaspiro[4.5]dec-8-yl]benzeneacetamide, 9CI



(5RS,7SR,8SR)-form

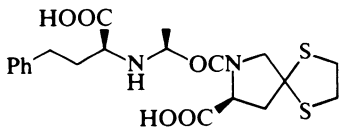
$C_{22}H_{30}Cl_2N_2O_2$ M 425.397
(5RS,7SR,8SR)-form [87151-85-7]
(5α,7α,8β)-(±)
Analgesic. Cryst. (MeCN). Mp 105.5-106.5°.
B,MeSO3H: [87173-97-5]. *U 62066E.*
B,HBr: [87173-92-0]. Microcryst. (MeOH/Et_2O). Mp 209-210°.
U.S.P., 4 438 130, (*1984*); *CA*, **101**, 54912 (*synth, isom*)
Peters, G.R. *et al*, *J. Pharmacol. Exp. Ther.*, 1987, **240**, 128 (*pharmacol*)
Clark, C.R. *et al*, *J. Med. Chem.*, 1988, **31**, 831 (*pharmacol*)

Spiramide, INN **S-00117**
8-[3-(4-Fluorophenoxy)propyl]-1-phenyl-1,3,8-triazaspiro[4,5]decan-4-one, 9CI, 8CI. Fluroxyspiramine. R 5808
[510-74-7]



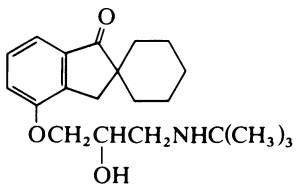
$C_{22}H_{26}FN_3O_2$ M 383.465
Neuroleptic agent. Mp 173-174.5°.
Belg. Pat., 633 914, (*1963*); *CA*, **60**, 15880f (*synth, pharmacol*)
Blessington, B., *Org. Mass. Spectrom.*, 1971, **5**, 1113 (*ms*)

Spiraprilat, INN **S-00118**
7-[N-[1-Carboxy-3-phenylpropyl]alanyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid
[83602-05-5]



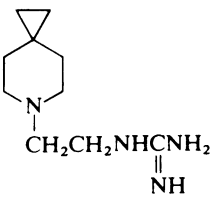
$C_{20}H_{26}N_2O_5S_2$ M 438.556
Antihypertensive agent (angiotensin converting enzyme inhibitor). Amorph. $[\alpha]_D$ +2.0° (c, 1.5 in MeOH).
Et ester: [83647-97-6]. ***Spirapril, BAN, INN***. *7-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, 9CI.*
$C_{22}H_{30}N_2O_5S_2$ M 466.609
Antihypertensive agent (angiotensin converting enzyme inhibitor). Amorph. $[\alpha]_D$ −21.3° (c, 1.1 in Py).
Et ester; B,HCl: [94841-17-5]. *Spirapril hydrochloride, USAN. SCH 33844.* Cryst. (MeOH/MeCN). Mp 176-178°. $[\alpha]_D^{26}$ −11.2° (EtOH).
Maleate (2:1): [94799-76-5]. Tan cryst. (MeCN). Mp 124-126°. $[\alpha]_D^{26}$ −14.3° (EtOH).
Hof, R.P. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **10**, 599 (*pharmacol*)
Sybertz, E.J. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1987, **286**, 216, 246.
Krapcho, J. *et al*, *J. Med. Chem.*, 1988, **31**, 1148 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2542.

Spirendolol, INN **S-00119**
4'-[[3-(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-spiro[cyclohexane-1,2'-(2H)indan]-1'-(3'H)one, 9CI
[81840-58-6]



$C_{21}H_{31}NO_3$ M 345.481
(2R)-form
Malonate: Mp 124-126°. $[\alpha]_D^{20}$ +11.6° (c, 2.0 in $CHCl_3$).
Tartrate: Mp 224-226°.
(2S)-form
Malonate: Mp 124-126°. $[\alpha]_D^{20}$ −11.4° (c, 2.0 in $CHCl_3$).
(±)-form [65429-87-0]
LI-32468. S-32-468
Antiarrhythmic drug, β-adrenergic blocker. Mp 87-88°.
Ger. Pat., 2 719 871, (*1977*); *CA*, **88**, 74241t (*synth, pharmacol*)

Spirgetine, INN **S-00120**
[2-(6-Azaspiro[2.5]oct-6-yl)ethyl]guanidine, 9CI. LD3598
[144-45-6]

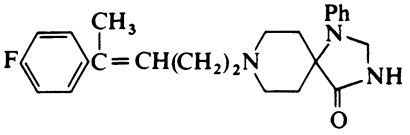


$C_{10}H_{20}N_4$ M 196.295
Antihypertensive, antiasthmatic agent.
B,H2SO4 (2:1): Cryst. (EtOH). Mp 275-277°.
B,2HBr: Cryst. (2-propanol). Mp 150°.
Guidicelli, R. *et al*, *Compt. Rend.*, 1964, **259**, 1596 (*pharmacol*)
Najer, H. *et al*, *Bull. Soc. Chim. Fr.*, 1964, **10**, 2572 (*synth, derivs*)
Fr. Pat., M3013, (*1965*); *CA*, **62**, 16206f (*synth, pharmacol*)
Lagrue, G. *et al*, *Presse Med.*, 1966, **74**, 2535 (*pharmacol*)

Spirilene, BAN, INN **S-00121**

8-[4-(4-Fluorophenyl)pent-3-enyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, 9CI. *Isospiriline. R 6109*

[357-66-4]



$C_{24}H_{28}FN_3O$ M 393.503

Tranquilliser. Mp 171-172°.

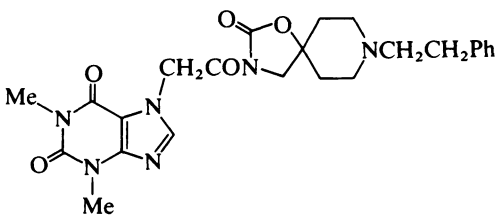
▷XX9275000.

Belg. Pat., 633 914, (*1964*); *CA*, **60**, 15882 (*synth, pharmacol*)
Koch, M.H.J. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2971 (*cryst struct*)
Koch, M.H.J., *Mol. Pharmacol.*, 1974, **10**, 425 (*conformn*)

Spirofylline, INN **S-00122**

8-(2-Phenylethyl)-3-[(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-yl)acetyl]-1-oxa-3,8-diazaspiro[4,5]decan-2-one, 9CI

[98204-48-9]



$C_{24}H_{28}N_6O_5$ M 480.522

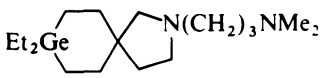
Bronchodilator and antiinflammatory agent.

Spanish Pat., 517 622, (*1983*); *CA*, **103**, 123470 (*synth*)

Spirogermanium, BAN, INN **S-00123**

8,8-Diethyl-N,N-dimethyl-2-aza-8-germaspiro[4.5]-decane-2-propanamine, 9CI

[41992-23-8]



$C_{17}H_{36}GeN_2$ M 341.075

Antineoplastic drug. Oil. $Bp_{0.3}$ 106-109°.

B,2HCl: [41992-22-7]. *Spirogermanium hydrochloride, USAN. NSC 192965. S 99A. Spiro 32.* Cryst. Mp 287-288°.

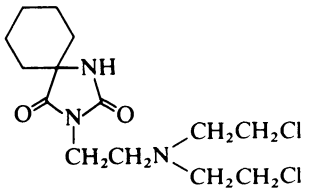
▷CL7618500.

Rice, L.M. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 1041 (*synth, pharmacol*)
Anon., *Drugs Future*, 1980, **5**, 149 (*rev*)
Slavik, M. *et al*, *Drugs Exp. Clin. Res.*, 1982, **8**, 379 (*pharmacol*)
Slavik, M. *et al*, *Invest. New Drugs*, 1983, **1**, 225 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13265.

Spiromustine, INN, USAN **S-00124**

3-[2-[Bis(2-chloroethyl)amino]ethyl]-1,3-diazaspiro[4.5]decane-2,4-dione, 9CI. *Spirohydantoin mustard. NSC-172112. SHM*

[56605-16-4]



$C_{14}H_{23}Cl_2N_3O_2$ M 336.261

Antineoplastic agent. Mp 125-126°.

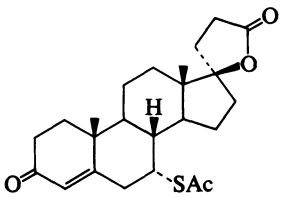
▷HM2508000.

Peug, G.W. *et al*, *J. Med. Chem.*, 1975, **18**, 846 (*synth, pharmacol*)
Shoemaker, D.D. *et al*, *Invest. New Drugs*, 1983, **1**, 303 (*rev, pharmacol*)
Suling, W.J. *et al*, *Biochem. Pharmacol.*, 1983, **32**, 523 (*metab*)
Struck, R.F. *et al*, *J. Med. Chem.*, 1986, **29**, 1319 (*pharmacol*)

Spironolactone, BAN, INN **S-00125**

7α-(Acetylthio)-17α-hydroxy-3-oxopregn-4-ene-21-carboxylic acid γ-lactone, 9CI. *Aldactone* A. *Aldactone. Dilakton. NSC 150339. Lacalmin. Nefurofan. Spiroctan. Verospiron. Other proprietary names*

[52-01-7]



$C_{24}H_{32}O_4S$ M 416.574

Antagonist of Aldosterone. Diuretic. Used in conjunction with Frusemide, F-00267 for prophylaxis of hypokalemia and hepatic encephalopathy or in hyperaldosteronism treatment. Cryst. Mp 134-135° and 201-202° dec. (double Mp).

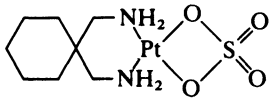
▷TU4725000.

Cella, J.A. *et al*, *J. Org. Chem.*, 1959, **24**, 1109 (*synth*)
Tweit, R.C. *et al*, *J. Org. Chem.*, 1962, **27**, 3325 (*synth*)
Dideberg, O. *et al*, *Acta Crystallogr., Sect. B*, 1972, **38**, 3014 (*cryst struct*)
Sutter, J.L. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 431 (*rev*)
Karim, A. *et al*, *Xenobiotica*, 1977, **7**, 585 (*metab*)
Ramsey, L.E., *Antihormones*, 1979, 137 (*rev, pharmacol*)
Johnson, W.S. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 3510 (*synth*)
Overdiek, H.W. *et al*, *Clin. Pharmacol. Ther. (St. Louis)*, 1985, **38**, 469 (*pharmacol*)
Salole, E.G. *et al*, *Drug Dev. Ind. Pharm.*, 1985, **11**, 855 (*cryst forms, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2355.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7165.

Spiroplatin, BAN, INN, USAN S-00126

(1,1-Cyclohexanedimethanamine-N,N')[sulfato(2–)-O,O']platinum, 9CI. 1,1-Cyclohexanebis(methylamine)-(sulfato)platinum. NSC 311056. TNO 6

[74790-08-2]



$C_8H_{18}N_2O_4PtS$ M 433.381

Antineoplastic agent. V. pale yellow cryst.

B.P., 2 024 823, (*1980*); *CA*, **93**, 114040p (*synth, tox, pharmacol*)

Vermorken, J.B. *et al*, *Dev. Oncol.*, 1984, **17**, 330 (*pharmacol*)

Vermorken, J.B. *et al*, *Recent Adv. Chemother., Proc. Int. Congr. Chemother., 14th*, 1985, (*Anticancer Sect. 1*), 96 (*rev, pharmacol*)

Barnard, C.F.J. *et al*, *Chem. Br.*, 1986, **22**, 1001 (*rev*)

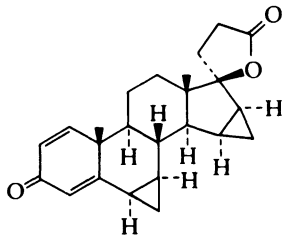
Van Hennik, M.B. *et al*, *Cancer Res.*, 1987, **47**, 6297 (*pharmacokinetics*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18684.

Spirorenone, INN S-00127

3',4',6,7,8,9,11,12,13,14,15,16,20,21-Tetradecahydro-10,13-dimethylspiro[17H-dicyclopropa[6,7:15,16]-cyclopenta[a]phenanthrene-17,2'(5'-H)-furan]-3(10H)-5'-dione, 9CI. ZK 35973

[74220-07-8]



$C_{24}H_{28}O_3$ M 364.483

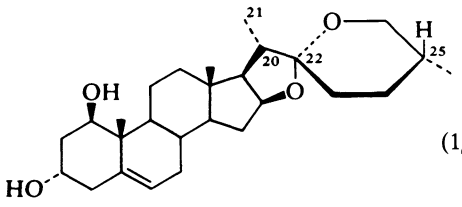
Diuretic (aldosterone antagonist). Mp 250.5-252°.

Ger. Pat., 2 922 500, (*1980*); *CA*, **95**, 25402g (*synth, uv*)

Bittler, D. *et al*, *Angew. Chem.*, 1982, **94**, 718 (*synth, uv, nmr, pharmacol*)

Krause, W. *et al*, *J. Chromatogr.*, 1982, **230**, 37 (*hplc*)

5-Spirostene-1,3-diol S-00128



(1β,3α)-*form*

$C_{27}H_{42}O_4$ M 430.626

(1β,3α,25R)-form [66251-06-7]

3-epi-Ruscogenin

Constit. of *Gynura japonica*. Cryst. Mp 196-197°.

Di-Ac: Mp 175-176°. $[\alpha]_D$ −74° ($CHCl_3$).

1-[O-6-Deoxy-α-L-mannopyranosyl-(1→2)-6-deoxy-β-D-galactopyranoside]: [38971-41-4]. ***Ophiopogonin* B**.

$C_{39}H_{62}O_{12}$ M 722.912

Constit. of *Ophiopogon japonicus*. Cryst. Mp 269-271°. $[\alpha]_D^{15}$ −105.5° (Py).

1-[O-6-Deoxy-α-L-mannopyranosyl-(1→2)-O-[β-D-xylopyranosyl-(1→3)]-6-deoxy-β-D-galactopyranoside]: [41753-55-3]. ***Ophiopogonin* D**.

$C_{44}H_{70}O_{16}$ M 855.027

Constit. of *O. japonicus*. Cryst. (EtOH aq.). Mp 263-265°. $[\alpha]_D^{14}$ −107.9° (c, 0.66 in Py).

(1β,3β,25R)-form [472-11-7]

Ruscogenin. *1β-Hydroxydiosgenin. Flebopom. Rectolander. Ruscorectal*

Sapogenin from *Ruscus aculeatus*. Antiinflammatory agent, venotonic, used in the local treatment of haemorrhoids. Cryst. Mp 205-211°. $[\alpha]_D^{25}$ −118° (c, 1 in $CHCl_3$).

1-O-(2-O-(3-O-Acetyl-α-L-rhamnopyranosyl)-6-deoxy-β-D-galactopyranoside): [11054-24-3]. ***Ophiopogonin* A**.

$C_{41}H_{64}O_{13}$ M 764.949

Constit. of *O. japonicus*. Cryst. (EtOH aq.). Mp 182-184°. $[\alpha]_D^{18}$ −89.7° (c, 0.27 in Py).

1-O-(α-D-Rhamnopyranosyl-(1→2)-[3-O-acetyl-β-D-xylopyranosyl-(1→3)]-6-deoxy-β-D-galactopyranoside): [65586-25-6]. ***Ophiopogonin* C**.

$C_{46}H_{72}O_{17}$ M 897.065

From *O. japonicus*. Cryst. (EtOH aq.). Mp 238-240°. $[\alpha]_D^{28}$ −93.33° (c, 0.15 in Py).

(1β,3β,25S)-form [35882-30-5]

(25S)-Ruscogenin

Constit. of *Sansevieria trifasciata* and *Ruscus aculeatus*. Cryst. Mp 194-196° and 212-214° (double Mp). $[\alpha]_D$ −112° (c, 0.22 in $CHCl_3$).

Shoppe, C.W. *et al*, *J. Chem. Soc.* (*C*), 1967, 339.

González, A.G. *et al*, *Tetrahedron*, 1972, **28**, 1289.

Tada, A. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 1729; 1973, **21**, 308 (*isol, struct*)

Takahira, M. *et al*, *Tetrahedron Lett.*, 1977, 3647.

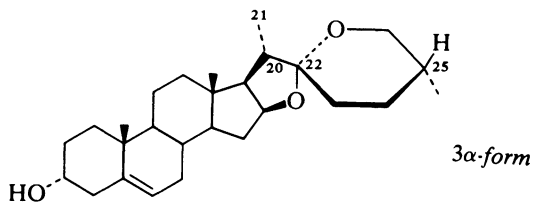
Watanabe, Y. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 3049 (*isol*)

Bertani, W. *et al*, *Fitoterapia*, 1984, **55**, 101 (*hplc*)

Agrawal, P.K. *et al*, *Phytochemistry*, 1985, **24**, 2479 (*cmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3913.

5-Spirosten-3-ol S-00129



3α-*form*

$C_{27}H_{42}O_3$ M 414.627

(3α,25R)-form [66289-52-9]

3-epi-Diosgenin

Isol. from the crude drug Sensokushichikon. Cryst. Mp 244-246°. $[\alpha]_D$ −145°.

3-O-β-D-Glucopyranoside: [66289-51-8].

$C_{33}H_{52}O_8$ M 576.769

Constit. of *Gynura japonica*. Cryst. Mp 218-221°. $[\alpha]_D$ −122°.

(3β,25R)-form [512-04-9]

Diosgenin. *Nitrogenin*

Sapogenin from *Dioscorea* spp., *Solarium* spp. and *Trillium erectum*. Cryst. (Me_2CO). Mp 204-207°. $[\alpha]_D^{25}$ −129° (c, 1.4 in $CHCl_3$).

▷WH1322870.

Ac: Mp 195-198°.

Benzoyl: Mp 236-241°. $[\alpha]_D^{17}$ −45° (Py).

3-O-[*6-Deoxy-α-L-mannopyranosyl-(1→2)*-O-*6-deoxy-α-L-mannopyranosyl-(1→4)-β-D-glucopyranoside*]: [19057-60-4]. ***Dioscin***.
$C_{45}H_{72}O_{16}$ M 869.054
Constit. of *D.* spp. and *T. terrestris*. Cryst. Mp 275-277° dec. $[\alpha]_D^{13}$ −115° (c, 0.4 in EtOH).

3-O-*β-D-Glucopyranosyl*: [14144-06-0]. *Trillin*. ***Disogluside, INN***. *Alliumoside* A. *Collettiside* I. *Funkioside* A. *Melongoside* B. *Polygonatoside* A. *Polyphyllin* A. *Prosapogenin* D′*3*. *WA 185*.
$C_{33}H_{52}O_8$ M 576.769
Constit. of *D.* spp., *Yucca* spp., *T. terrestris*, and *T. kamschaticum*. Drug used for treatment of menorrhagia. Platelet aggregation inhibitor. Cryst. + $^1/_2H_2O$ (MeOH). Mp 275-280°. $[\alpha]_D$ −103° (dioxan).

3-O-(*α-L-Rhamnosyl-β-D-glucosyl-β-D-glucoside*): [19083-00-2]. ***Gracillin***.
$C_{45}H_{72}O_{17}$ M 885.054
Constit. of *D. gracillima*. Cryst. Mp 290-293°.

3-O-[*4*-O-*β-D-Glucopyranosyl-β-D-galactopyranoside*]: [60454-77-5]. ***Funkioside C***.
$C_{39}H_{62}O_{13}$ M 738.911
Constit. of *Funkia ovata*.

▷LW5440600.

3-O-[*β-D-Glucopyranosyl-(1→2)-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside*: [60454-78-6]. ***Funkioside D***.
$C_{45}H_{72}O_{18}$ M 901.053
From *F. ovata*.

▷LW5440650.

3-O-[*α-L-Rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→2)-glucopyranosyl-(1→4)-β-D-galactopyranoside*]: [60454-79-7]. ***Funkioside E***.
$C_{51}H_{82}O_{22}$ M 1047.196
From *F. ovata*.

3-O-[*β-D-Glucopyranosyl-(1→2)-[D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside*]: [60454-80-0]. ***Funkioside F***.
$C_{50}H_{80}O_{22}$ M 1033.169
From *F. ovata*.

▷LW5440800.

3-O-[*α-L-Rhamnopyranosyl-(1→4)-β-D-glucopyranosyl-(1→2)-β-D-xylopyranosyl-(1→3)-β-D-glucopyranosyl-(1→4)-β-D-galactopyranoside*]: [60454-81-1]. ***Funkioside G***.
$C_{59}H_{90}O_{26}$ M 1215.344
From *F. ovata*.

▷LW5440400.

3-O-(*α-L-Rhamnopyranosyl-(1→2)-[α-L-arabinopyranosyl-1→4)*]-*β-D-glucopyranoside*: [76296-72-5]. ***Polyphyllin D***.
$C_{44}H_{70}O_{16}$ M 855.027
Constit. of *Paris polyphylia*. Haemostatic agent. Cryst. (MeOH). Mp 275-280°. $[\alpha]_D$ −113° (c, 0.53 in MeOH).

3-O-*α-L-Rhamnopyranosyl(1→2)-β-D-glucopyranoside*:
$C_{39}H_{62}O_{12}$ M 722.912
Constit. of *Ophiogon planiscapus* and of *Allium vineale*.

3-O-[*α-L-Rhamnopyranosyl(1→2)*] [*β-D-glucopyranosyl(1→4)*]-*β-D-glucopyranoside*:
$C_{45}H_{72}O_{17}$ M 885.054
Constit. of *O. planiscapus* and *A. vineale*. Molluscicidal.

3-O-*β-D-Glucopyranosyl(1→4)-α-L-rhamnopyranosyl(1→4)-β-D-glucopyranoside*:
$C_{45}H_{72}O_{17}$ M 885.054
Constit. of *A. vineale*. Molluscicidal.

3-O-[*α-L-Rhamnopyranosyl(1→2)*] [*β-D-glucopyranosyl(1→4)-α-L-rhamnopyranosyl(1→4)*]-*β-D-glucopyranoside*:
$C_{45}H_{72}O_{16}$ M 869.054
Constit. of *A. vineale*. Molluscicidal.

(*3β,25S*)-*form*
Yamogenin
Sapogenin from rhizomes of Mexican *Dioscorea* spp. Cryst. (Me_2CO). Mp 201°. $[\alpha]_D^{25}$ −123°.

O-*α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranosyl-(1→4)-[α-L-rhamnopyranosyl-(1→2)]-β-D-glucopyranoside*: [79975-21-6]. ***Balanitin 1***.
$C_{51}H_{82}O_{22}$ M 1047.196
Constit. of *Balanites aegyptiaca*. Molluscicide.

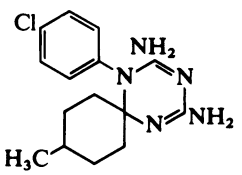
O-*β-D-Xylopyranosyl-(1→6)-β-D-glucopyranosyl-(1→3)-[α-L-rhamnopyranosyl-(1→2)]-β-D-glucopyranoside*: [79975-20-5]. ***Balanitin 2***.
$C_{50}H_{80}O_{21}$ M 1017.169
Constit. of *B. aegyptiaca*. Molluscicide.

O-*α-L-Rhamnopyranosyl-(1→2)-β-D-glucopyranosyl-(1→4)-β-D-glucopyranoside*: [82358-27-8]. ***Balanitin 3***.
$C_{45}H_{72}O_{17}$ M 885.054
Constit. of *B. aegyptiaca*. Molluscicide.

Marker, R.E. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 2167 (*isol, struct*)
Kawasaki, T. *et al*, *Chem. Pharm. Bull.*, 1962, **10**, 703; 1963, **11**, 1546 (*struct, synth*)
Bite, P. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1967, **52**, 79 (*isol*)
Kessar, S.V. *et al*, *Tetrahedron*, 1968, **24**, 899 (*synth*)
Hardman, R. *et al*, *Planta Med.*, 1971, **20**, 193 (*biosynth*)
Miyahara, K. *et al*, *Chem. Pharm. Bull.*, 1972, **20**, 2506; 1974, **22**, 1407 (*struct, pmr*)
Eggert, H. *et al*, *Tetrahedron Lett.*, 1975, 3635 (*cmr*)
Lazur'evzkii, G.V. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1976, **230**, 476 (*Funkiosides*)
Takahira, N. *et al*, *Tetrahedron Lett.*, 1977, 3647.
Takahira, M. *et al*, *J. Pharm. Soc. Jpn.*, 1979, **99**, 264 (*isol*)
Seo, S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1981, 895 (*biosynth*)
Liu, H.-W. *et al*, *Tetrahedron*, 1982, **38**, 513 (*isol*)
Watanabe, Y. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3486 (*saponins*)
Agrawal, P.R. *et al*, *Phytochemistry*, 1985, **24**, 2479 (*cmr, Trillin*)
Ger. Pat., 3 416 112, (*1985*); *CA*, **104**, 161977 (*Trillin*)
Ma, J.C.N. *et al*, *Phytochemistry*, 1985, **24**, 1561 (*Polyphyllin D*)
Chen, S. *et al*, *Tetrahedron Lett.*, 1987, **28**, 5603 (*saponins*)

Spirotriazine S-00130

2,4-Diamino-5-(p-*chlorophenyl*)*-9-methyl-1,3,5-triazospiro*[*5,5*]*undeca-1,3-diene*, *8CI*. ***Spirazine, INN***



$C_{15}H_{20}ClN_5$ M 305.810
Anthelmintic.

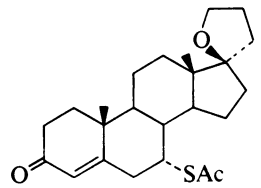
B,HCl: [15599-44-7]. Cryst. (EtOH aq.). Mp 229°.

Roth, B. *et al*, *J. Med. Chem.*, 1963, **6**, 370 (*synth, pharmacol*)
Capps, D.B. *et al*, *J. Heterocycl. Chem.*, 1968, **5**, 355 (*pharmacol*)

Spiroxasone, USAN, INN **S-00131**

7-(Acetylthio)-4′,5′-dihydrospiro[androst-4-ene-17β,2′(3′H)-furan]-3-one, 9CI. *4′,5′-Dihydro-7α-mercaptospiro[androst-4-ene-17β,2′-(3′H)-furan]-3-one acetate,* 8CI

[6673-97-8]



$C_{24}H_{34}O_3S$ M 402.591

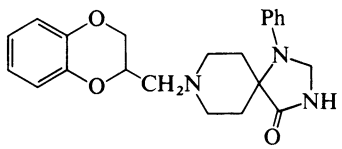
Diuretic, aldosterone antagonist. Mp 180-182°. $[\alpha]_D^{25}$ −54° ($CHCl_3$). Unstable in alkali.

Arth, G.E. *et al, J. Med. Chem.*, 1963, **6**, 617 (*synth, pharmacol*)
Rasmusson, G.H. *et al, J. Med. Chem.*, 1972, **15**, 1165 (*pharmacol*)
Highet, R.J. *et al, Steroids*, 1980, **35**, 119 (*cmr*)

Spiroxatrine, INN **S-00132**

8-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, 9CI. *8-(1,4-Benzodioxan-2-ylmethyl)-1-phenyl-1,3,8-triazaspiro[4.5]decane-4-one,* 8CI. *Spiroxamide. R 5188*

[1054-88-2]



$C_{22}H_{25}N_3O_3$ M 379.458

(±)-*form*

Tranquilliser. Mp 225-230°.

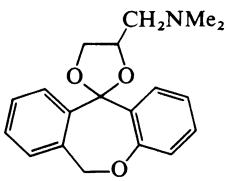
B,HCl: Mp 247.5-249°.

Janssen, P.A.J. *et al, Arzneim.-Forsch.*, 1966, **16**, 339 (*pharmacol*)
U.S.P., 3 238 216, (*1966*); *CA*, **65**, 8922 (*synth, pharmacol*)
Nelson, D.L. *et al, Eur. J. Pharmacol.*, 1986, **124**, 207 (*props*)

Spiroxepin, INN **S-00133**

N,N-*Dimethylspiro[dibenz*[b,e]*oxepin-11*(6H),*2′-*[*1,3*]*-dioxolane]-4′-methanamine,* 9CI

[47254-05-7]



$C_{19}H_{21}NO_3$ M 311.380

(±)-*form*

Spasmolytic agent. Antidepressant. Mp 164°.

Maleate: [39890-14-7].

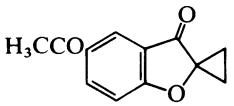
▷WH1290000.

Ger. Pat., 2 225 245, (*1973*); *CA*, **78**, 84387c (*synth, pharmacol*)
Fauran, C. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 281, 286 (*synth*)

Spizofurone, INN **S-00134**

5-Acetylspiro[benzofuran-2(3H),1′-cyclopropan]-3-one, 9CI. *Maon. AG 629*

[72492-12-7]



$C_{12}H_{10}O_3$ M 202.209

Antiulcerogenic agent. Cryst. (EtOH). Mp 106-107°.

Watanabe, M. *et al, Chem. Pharm. Bull.*, 1984, **32**, 3373, 3532 (*synth, pharmacol*)
Inatomi, N. *et al, Arzneim.-Forsch.*, 1985, **35**, 1553 (*pharmacol*)
Inatomi, N. *et al, Eur. J. Pharmacol.*, 1985, **110**, 343; **112**, 81 (*pharmacol*)

Splenopentin **S-00135**

N-[N-[N-(N^2-*L-Arginyl-L-lysyl*)-*L-α-glutamyl*]-*L-valyl*]-*L-tyrosine,* 9CI. *SP 5*

[75957-60-7]

H-Arg-Lys-Glu-Val-Tyr-OH

$C_{31}H_{51}N_9O_9$ M 693.799

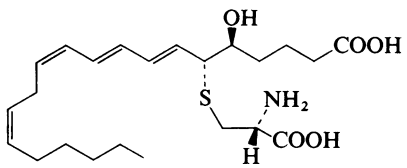
Immunosuppressant. Mp 148-155°. $[\alpha]_D^{26}$ −32.1° (c, 0.4 in AcOH aq.).

Abiko, T. *et al, Chem. Pharm. Bull.*, 1980, **28**, 2507 (*synth, props*)
Krishna, N.R. *et al, J. Am. Chem. Soc.*, 1983, **105**, 6930 (*pmr*)
Heavner, G.A. *et al, Arch. Biochem. Biophys.*, 1985, **242**, 248 (*props*)
Diezel, W. *et al, Exp. Clin. Endocrinol.*, 1986, **87**, 215 (*props*)

SRS-A **S-00136**

5-Hydroxy-6-[2-amino-2-(carboxyethyl)thio]-7,9,11,14-eicosatetraenoic acid. Leukotriene C. *Slow Reacting Substance of Anaphylaxis*

[75443-89-9]



$C_{23}H_{36}NO_5S$ M 438.601

Highly spasmogenic material, which possibly plays an important role in asthma and other diseases of the respiratory system. Mixt. of leukotriene C_4, D_4 and E_4.

Borgeat, P. *et al, Chem. Eng. News*, 1979, **57**, 19 (*struct*)
Corey, E.J. *et al, J. Am. Chem. Soc.*, 1979, **101**, 6748; 1980, **102**, 1436 (*synth*)
Rokach, J. *et al, Tetrahedron Lett.*, 1980, **21**, 1485 (*synth*)
Rosenberger, M. *et al, J. Am. Chem. Soc.*, 1980, **102**, 5425 (*synth, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2932.

Stannous fluoride **S-00137**

Tin fluoride. Stop

[7783-47-3]

SnF_2

F_2Sn M 156.687

Dental caries prophylactic. Colourless prisms. Mp 213°.

▷XQ3450000.

Nebergall, H. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 1604 (*synth*)
Muetterties, E.L., *Inorg. Chem.*, 1962, **1**, 342 (*synth*)
Bixler, D. *et al*, *J. Am. Dent. Ass.*, 1964, **68**, 792 (*use*)
Kemmitt, R.D.W. *et al*, *Adv. Fluorine Chem.*, 1965, **4**, 186 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7737.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3274.

Stannous pyrophosphate S-00138

[15578-26-4]

$Sn_2P_2O_7$

$P_2O_7Sn_2$ M 411.323

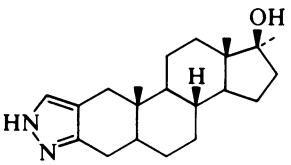
Diagnostic aid (skeletal imaging); used as dental caries prophylactic. Amorph. powder. Dec. >400°.

Klement, R., *Ber.*, 1958, **96**, 1022 (*synth*)
U.S.P., 2 946 725, (*1960*); *CA*, **54**, 25613d (*use*)
U.S.P., 3 401 012, (*1968*); *CA*, **69**, 98099m (*synth*)
Cowley, M.J. *et al*, *Circulation*, 1977, **56**, 192 (*use*)
Pavel, D.G. *et al*, *J. Nucl. Med.*, 1977, **18**, 305 (*use*)

Stanozolol, BAN, USAN, INN S-00139

17-Methyl-2'H-androst-2-eno[3,2-c]pyrazol-17-ol, *9CI*. *17β-Hydroxy-17α-methyl-5α-androstano[3,2-c]-pyrazole*. *Anabol. Anasyth. Androstanazol. Estazol. Stromba. Tevabolin. Winstrol. NSC 43193. Win 14833*

[10418-03-8]



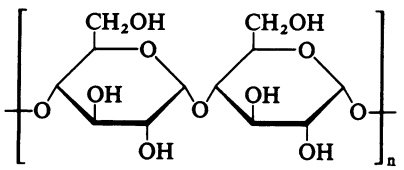
$C_{21}H_{32}N_2O$ M 328.497

Anabolic steroid. Cryst. (EtOH). Mp 229.8-242°. $[\alpha]_D$ +35.7° ($CHCl_3$).

Clinton, R.O. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1513; 1961, **83**, 1478 (*synth*)
Noack, E.A. *et al*, *Dtsch. Apoth.-Ztg.*, 1963, **103**, 91 (*synth, pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 719 (*uv*)
Vargas, L. *et al*, *Steroids Lipids Res.*, 1972, **3**, 353 (*pharmacol*)
Owen, R.T., *Med. Actual.*, 1979, **15**, 276 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9104.

Starch, 9CI, 8CI S-00140

Amylum



$(C_6H_{10}O_5)n$

Starch is composed of Amylose and Amylopectin. Amylose is preponderantly a linear polymer of several thousand D-glucose units mainly α-(1→4) linked. Amylopectin is a branched polymer composed largely of α-D-(1→4)-linked glucose units. The branch is α-(1→6) and occurs at the 6 position every 20-25 glucose units. Pullulanase, *R*-enzyme and Isoamylase hydrol. the α-D-(1→6) linkages.

Unbranched-form [9005-82-7]

Amylose

Stored in all parts of plants as insol. granules. Coml. starches come mainly from corn (maize), sorghum grains, tapioca root and potato tuber. Most starch samples contain 20 ± 5% Amylose which can be pptd. from aq. starch soln. with, e.g., Thymol. Used in particulate form as a dusting powder, as a gelling agent in processed foods, as a flocculant and pigment retainer in paper manuf. and in dried film form for sizing paper and textiles. Pharmaceutical aid. $[\alpha]_D$ +200° (H_2O), $[\alpha]_D$ +162° (1*M* NaOH), $[\alpha]_D$ +175° (DMSO). Hydrol. by acid, α-Amylase and β-Amylase. Forms inclusion complexes, gives a deep-blue colour with I_2.

Per-Ac: $[\alpha]_D$ +175° ($CHCl_3$).
Percarbanilate: $[\alpha]_D$ −82.5° (Py).
Per-m-chlorocarbanilate: $[\alpha]_D$ −190° (Py).
Per-o-chlorocarbanilate: $[\alpha]_D$ −24° (Py).

Branched-form [9037-22-3]

Amylopectin

$[\alpha]_D$ +200° (H_2O), $[\alpha]_D$ +163° (1*M* NaOH).

Per-Ac: $[\alpha]_D$ +170° ($CHCl_3$).
Percarbanilate: $[\alpha]_D$ −62° (Py).
Per-m-chlorocarbanilate: $[\alpha]_D$ −130° (Py).
Per-o-chlorocarbanilate: $[\alpha]_D$ −19° (Py).
Sulfated form: Amylopectin sulfate.
Sulfated form, Na salt: [9010-01-9]. *Sodium amylosulfate, USAN. Depepsen.* Enzyme inhibitor.

Whistler, R.L. *et al*, *Methods Carbohydr. Chem.*, 1964, **4**, 3.
Greenwood, C.T., *The Carbohydrates*, 1970, Academic Press, **2B**, 471.
St. Jacques, M. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 4386 (*pmr*)
Whistler, R.L. *et al*, *Starch, Chemistry & Technology*, 2nd Ed., Acad. Press, 1984.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1641.

Statolon, USAN S-00141

Vistatolon, INN. *NSC 71901*

[11006-77-2]

Macromolecular polyanionic polysaccharide. Prod. by *Pencillium stoloniferum*. Antiviral agent. Induces production of interferon in animal cells.

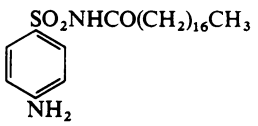
▷WI0510000.

U.S.P., 3 108 047, (*1963*); *CA*, **60**, 2303 (*isol, pharmacol*)
Rhim, J.S. *et al*, *Antimicrob. Agents Chemother.*, 1968, 190.
Vengris, V.E. *et al*, *Mol. Pharmacol.*, 1978, **14**, 271.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13267.

Stearylsulfamide, INN S-00142

N-[(*4-Aminophenyl*)*sulfonyl*]*octadecanamide*. *4-Amino-N-octadecanoylbenzenesulfonamide*. *N-Sulfanilylstearamide*. *Sulfastearyl*

[498-78-2]



$C_{24}H_{42}N_2O_3S$ M 438.667

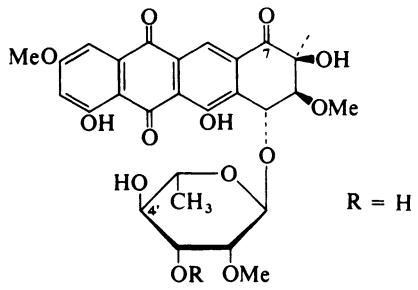
Dermatologic, antibacterial agent. Irregular plates. Mp 98-102°.

Crossley, M.L. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 2950 (*synth, pharmacol*)

Steffimycin, INN, USAN **S-00143**

Steffisburgensimycin. U 20661. Antibiotic U 20661

[11033-34-4]



$C_{28}H_{30}O_{13}$ M 574.537

Anthracycline antibiotic. Isol. from *Streptomyces steffisburgensis, S. elgretus* and *Actinoplanes utahensis*. Antibacterial and antitumour agent. Orange-yellow cryst. Mp 257-265°. $[\alpha]_D^{25}$ +85° (c, 0.05 in MeOH). Shows opposite stereochem. to most anthracyclines.

▷QI9456000.

4'-Me ether: [54526-94-2]. ***Steffimycin B***. *U 40615. Antibiotic U 40615.*

$C_{29}H_{32}O_{13}$ M 588.564

Isol. from *S. elgreteus*. Antibacterial and antitumour agent. Orange cryst. Mp 240-246°. $[\alpha]_D^{25}$ +94° (c, 1 in $CHCl_3$).

▷QI9450000.

7-Alcohol: [75086-96-3]. *10-Dihydrosteffimycin.*

$C_{28}H_{32}O_{13}$ M 576.553

Semisynthetic. Cryst. (Me_2CO). Mp 253-255°.

4'-Me ether, 7-alcohol: [75086-97-4]. *10-Dihydrosteffimycin* B.

$C_{29}H_{34}O_{13}$ M 590.580

Semisynthetic. Cryst. (Me_2CO). Mp 245-248°.

4'-Me ether, 7-deoxo: [98813-22-0]. ***Steffimycin*** C.

$C_{29}H_{34}O_{12}$ M 574.580

From *S. elgreteus*. Only active against *Streptococcus pneumoniae*. Orange cryst.

Aglycone: [57847-74-2]. *Steffimycinone. 2-Demethoxyaranciamycinone.*

$C_{21}H_{18}O_9$ M 414.368

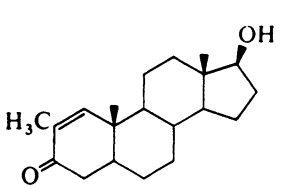
Active against mycobacteria.

Bergy, M.E. *et al, Experientia*, 1967, **23**, 254 (*isol*)
Brodasky, T.F. *et al, J. Antibiot.*, 1974, **27**, 809 (*isol, uv, ir, pmr, cmr, ms, struct*)
Vaněk, Z. *et al, Folia Microbiol. (Prague)*, 1977, **22**, 139 (*biosynth, struct, pmr, cmr, ms*)
Wiley, P.F. *et al, J. Org. Chem.*, 1977, **42**, 3591; 1978, **43**, 3457 (*Steffimycin B*)
Wiley, P.F. *et al, J. Antibiot.*, 1980, **33**, 819 (*isol, uv, ir, pmr, cmr*)
Krohn, K. *et al, J. Org. Chem.*, 1984, **49**, 3766 (*config*)
Brodasky, T.F. *et al, J. Antibiot.*, 1985, **38**, 849 (*Steffimycin C*)

Stenbolone, INN **S-00144**

17β-Hydroxy-2-methyl-5α-androst-1-en-3-one, 9CI, 8CI

[5197-58-0]



$C_{20}H_{30}O_2$ M 302.456

Anabolic steroid. Cryst. (Me_2CO/hexane). Mp 155-158°. $[\alpha]_D^{26}$ +52° ($CHCl_3$).

Ac: [1242-56-4]. ***Stenbolone acetate, USAN***. *Anatrofin. RS 2106. S 3760.*

$C_{22}H_{32}O_3$ M 344.493

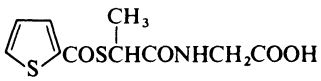
Anabolic steroid. Cryst. (Me_2CO/hexane). Mp 146-149°. $[\alpha]_D^{26}$ +60° ($CHCl_3$).

Mauli, R. *et al, J. Am. Chem. Soc.*, 1960, **82**, 5494 (*synth*)
Counsell, A.E., *J. Org. Chem.*, 1962, **27**, 248.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13268.

Stepronin, INN **S-00145**

N-[1-Oxo-2-[(2-thienylcarbonyl)thio]propyl]glycine, 9CI. 2-(2-Thenoylthio)propionylglycine. Bronco-plus. Prostenoglycine. Tenoglicine. Thiase. Tiase. Tiofacic. Valase. TTPG

[72324-18-6]



$C_{10}H_{11}NO_4S_2$ M 273.321

(±)-form

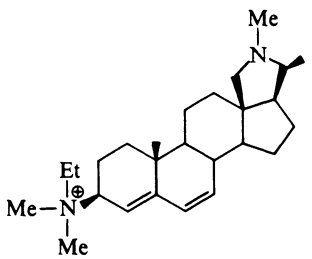
Mucolytic agent. Cryst. (MeCN). Mp 168-170°.

Na salt: [78126-10-0].

U.S.P., 4 242 354, (*1980*); *CA*, **94**, 175556
Zanolo, G. *et al, Boll. Chim. Farm.*, 1981, **120**, 55 (*hplc, metab*)
Davis, S.S. *et al, Eur. J. Respir. Dis.*, 1985, **67**, 94 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 980.

Stercuronium(1+) **S-00146**

N-Ethyl-N,N-dimethylcona-4,6-dien-3-aminium, 9CI. (Cona-4,6-dienin-3β-yl)ethyldimethylammonium, 8CI



$C_{26}H_{43}N_2^{\oplus}$ M 383.639 (ion)

Semisynthetic compd. related to the Conessine group of alkaloids. Neuromuscular blocking agent.

Iodide: [30033-10-4]. *Stercuronium iodide, INN. MYC 1080.*

$C_{26}H_{43}IN_2$ M 510.544

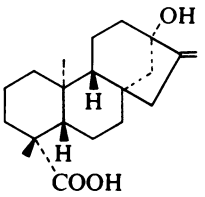
Mp 268-270°. $[\alpha]_D$ +70° ($CHCl_3$).

Netherlands Pat., 69 08 367, (*1970*); *CA*, **74**, 3796c (*synth, pharmacol*)
Hespe, W. *et al, Biochem. Pharmacol.*, 1971, **20**, 1213 (*metab*)
De Zeeuw, R.A. *et al, Anal. Lett.*, 1976, **9**, 831 (*tlc*)
Li, C.K. *et al, Br. J. Pharmacol.*, 1980, **70**, 313 (*pharmacol*)
Husain, J. *et al, J. Cryst. Mol. Struct.*, 1981, **11**, 87 (*cryst struct*)

Steviol S-00147

ent-*13-Hydroxy-16-kauren-18-oic acid*

[471-80-7]



$C_{20}H_{30}O_3$ M 318.455

Obt. by enzymatic hydrol. of stevioside. Has gibberellin-like activity. Cryst. (MeOH). Mp 215°. $[\alpha]_D$ −94.7° (EtOH).

13-O-(*2*-O-*β*-D-*Glucopyranosyl*-*α*-D-*glycopyranoside*), *β*-D-*glucopyranosyl ester:* [57817-89-7]. ***Stevioside***. *Eupatorin. Rebaudin. Stevin. Steviosin.* Constit. of *Stevia rebaudiana.* Sweetening agent which is 300 times sweeter than sucrose. Cryst. (dioxan/MeOH). Mp 238-239°. $[\alpha]_D$ −39.3° (c, 5.7 in H_2O). *S. rebaudiana* is extensively cultivated in Japan, and Stevioside is a permitted sweetener in that country.

▷NZ8175000.

13-O-*β*-*Sophorosyl*, *β*-*sophorosyl ester:* [63279-14-1]. *Rebaudioside* E. Constit. of *S. rebaudiana.* Cryst. (MeOH). Mp 205-207°. $[\alpha]_D^{25}$ −34.2° (MeOH).

13-O-*α*-*Rhamnopyranosyl*-(*1*→*2*)-[*β*-D-*glucopyranosyl*-(*1*→*3*)]-*β*-*glucopyranoside*, *β*-D-*glucopyranosyl ester:* [63550-99-2]. *Rebaudioside* C. *Dulcoside* B. Constit. of *S. rebaudiana.* Cryst. Mp 215-217°. $[\alpha]_D^{25}$ −29.9° (MeOH).

13-O-*β*-D-*Glucopyranosyl*-(*1*→*2*)[*β*-D-*glucopyranosyl*-(*1*→*3*)]-*β*-D-*glucopyranoside*, *β*-*sophorosyl ester:* [63279-13-0]. *Rebaudioside* D. Constit. of *S. rebaudiana.* Cryst. (EtOH). Mp 283-286°. $[\alpha]_D^{25}$ −22.7° (MeOH).

13-(O-*β*-D-*Glucopyranosyl*-(*1*→*2*)-O-[*β*-D-*glucopyranosyl*-(*1*→*3*)]-*β*-D-*glucopyranoside*): [58543-17-2]. *Rebaudioside* B. Constit. of *S. rebaudiana.* Cryst. Mp 193-195°. $[\alpha]_D^{24}$ −45.4° (MeOH).

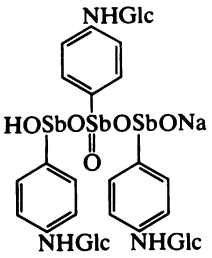
Rebaudioside B, *β*-D-*glucopyranosyl ester:* [58543-16-1]. *Rebaudioside* A. Constit. of *S. rebaudiana.* Cryst. Mp 242-244°. $[\alpha]_D^{24}$ −20.8° (MeOH).

Cook, I.F. *et al*, *Tetrahedron Lett.*, 1970, 4091 (*synth*)
Mori, K. *et al*, *Tetrahedron*, 1972, **28**, 3217 (*synth*)
Kohda, H. *et al*, *Phytochemistry*, 1976, **15**, 981 (*isol*)
Yamasaki, K. *et al*, *Tetrahedron Lett.*, 1976, 1005 (*cmr*)
Sakamoto, I. *et al*, *Chem. Pharm. Bull.*, 1977, **25**, 3437 (*Rebaudiosides*)
Ziegler, F.E. *et al*, *Tetrahedron*, 1977, **33**, 373 (*synth*)
Filippe, G.M., *CA*, 1978, **88**, 47435c (*rev*)
Ogawa, T. *et al*, *Tetrahedron*, 1980, **36**, 2641 (*synth*)
DuBois, G.E. *et al*, *J. Med. Chem.*, 1981, **24**, 1269 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16994.

Stibamine glucoside, BAN, INN S-00148

Glucostibamine sodium. Neostam

[1344-34-9]



$C_{36}H_{49}N_3NaO_{22}Sb_3$ M 1264.030

Used in treatment of leishmaniasis. Pale-cream powder.

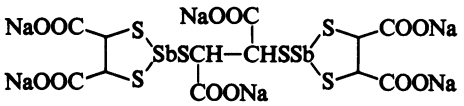
▷QP7050000.

B.P., 234 677, (*1925*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13269.

Stibocaptate, BAN S-00149

Astiban. Sodium stibocaptate, INN. Ro 4-1544-6. Sb 58. Sulfantimon

[3064-61-7]



$C_{12}H_6Na_6O_{12}S_6Sb_2$ M 915.971

Antischistosomal. Sol. H_2O. Hygroscopic. Unstable when moist.

▷JO6150000.

Hsieh, Y. *et al*, *CA*, 1958, **52**, 13715 (*synth*)
U.S.P., 2 880 222, (*1959*); *CA*, **53**, 16158 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 810.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 301.

2,2′,2″-Stibylidynetris[thio]trisbutanedioic acid, 9CI S-00150

Mercaptosuccinic acid triester with thioantimonic acid, 8CI

$Sb[SCH(COOH)CH_2COOH]_3$

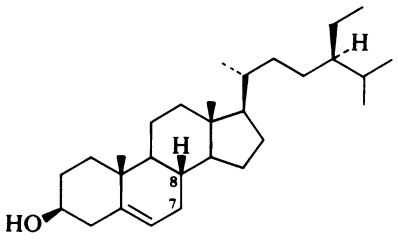
$C_{12}H_{15}O_{12}S_3Sb$ M 569.173

Hexa-Li salt: [305-97-5]. ***Anthiolimine, INN***. *Anthiomaline. LAT. 110 L-R.P.*. Schistosomicide. V. sol. H_2O.

▷WJ1625000.

U.S.P., 2 060 181, (*1937*); *CA*, **31**, 507 (*synth*)
Khayyal, M.T., *Bull. WHO*, 1969, **40**, 959 (*pharmacol*)
Ercoli, N. *et al*, *IRCS Libr. Compend.*, 1973, **1**, 661 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 754.

5-Stigmasten-3-ol S-00151



$C_{29}H_{50}O$ M 414.713

▷WJ2600000.

(3β,24R)-form [83-46-5]

*β-**Sitosterol**. Nimbosterol. Cupreol. Quebrachol. Rhamnol*

Widely distributed in plants. Antilipidaemic agent. Cryst. (MeOH). Mp 136-137°. $[\alpha]_D^{22}$ −35° ($CHCl_3$).

▷WJ2600000.

Ac: Cryst. (MeOH). Mp 134°. $[\alpha]_D^{22}$ −38.5°.

Hexadecanoyl: [2308-85-2].

$C_{45}H_{80}O_2$ M 653.126

Constit. of many plants. Cryst. Mp 89°. $[\alpha]_D$ −16.5° (c, 1.8 in $CHCl_3$).

Icosanoyl: [59015-74-6].

$C_{49}H_{88}O_2$ M 709.233

Constit. of *Angelica orotangelica*. Cryst. (EtOH). Mp 75.5°. $[\alpha]_D^{22}$ −11° (c, 1.15 in $CHCl_3$).

β-D-Glucopyranoside: [474-58-8]. ***Daucosterol**. Eleutheroside A. Alexandrin. Daucosterin. Sitogluside, INN. Sterolin. Nimbosterin. AW 10. BSSG. EU-4906.*

$C_{35}H_{60}O_6$ M 576.855

Constit. of many plants. Drug used to treat prostatic hypertrophy. Cryst. (Py/EtOH). Mp 283-286° (270°) dec. $[\alpha]_D^{26}$ −41.5° (c, 0.4 in Py).

β-D-Galactoside:

$C_{35}H_{60}O_6$ M 576.855

Constit. of *Hibiscus sabdariffa*. Cryst. ($CHCl_3$). Mp 275-277°. $[\alpha]_D$ −63° (c, 0.52 in Py).

Ester with 2-(4-chlorophenoxy)-2-methylpropanoic acid: [55902-94-8]. ***Sitofibrate, INN**. Atherol. Longeril. Stigmastenol clofibrate.*

$C_{390}H_{59}ClO_3$ M 4827.207

Hypolipidaemic agent.

7,8-Didehydro: [521-04-0]. ***7-Dehydro-β-sitosterol**.*

$C_{29}H_{48}O$ M 412.698

Constit. of sponges. Cryst. (EtOH). Mp 148-150°. $[\alpha]_D^{21}$ −116° ($CHCl_3$).

3-O-(6-O-Palmitoyl-β-D-glucopyranoside): ***Sitoindoside** I.*

$C_{51}H_{90}O_7$ M 815.268

Constit. of fruits of *Musa paradisiaca*. Shows antiulcerogenic activity. Amorph. powder. $[\alpha]_D$ −18.8° ($CHCl_3$).

3-O-(6-O-Oleoyl-β-D-glucopyranoside): ***Sitoindoside** II.*

$C_{53}H_{92}O_7$ M 841.306

Constit. of *M. paradisiaca*. Shows antiulcerogenic activity. Amorph. powder. $[\alpha]_D$ −10.2° ($CHCl_3$).

(3β,24S)-form [83-47-6]

*γ-**Sitosterol**. Clionasterol*

Constit. of *Xiphogorgia spongia, Sphicospongia vesparia* and *Clionia celata*. Cryst. (EtOH). Mp 147-148°. $[\alpha]_D$ −47.7° ($CHCl_3$).

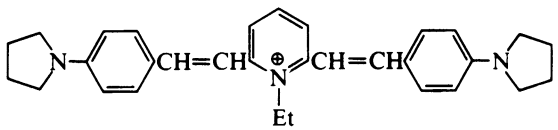
Ac: Mp 140-141°. $[\alpha]_D^{26}$ −48.3° ($CHCl_3$).

β-D-Glucopyranoside: [18777-86-1]. Constit. of *Nicotania tabacum*. Cryst. (EtOH). Mp 215-235°.

Kiribuchi, T. *et al, Agric. Biol. Chem.*, 1967, **31**, 1244 (*synth, tlc, Sitogluside*)
Ikan, R. *et al, J. Org. Chem.*, 1971, **36**, 3944 (*synth*)
Naqui, S.H. *et al, Steroids*, 1973, **22**, 285 (*ms*)
Aizawa, K. *et al, Org. Mass Spectrom.*, 1974, **9**, 470 (*ms*)
Ger. Pat., 2 422 317, (*1974*); *CA*, **82**, 58013r (*Sitofibrate*)
Lenton, J.R. *et al, Phytochemistry*, 1975, **14**, 1523 (*biosynth*)
Osman, A.M. *et al, Aust. J. Chem.*, 1975, **28**, 217 (*isol*)
Sucrow, W. *et al, Chem. Ber.*, 1975, **108**, 3721 (*synth*)
Rubinstein, I. *et al, Phytochemistry*, 1976, **15**, 195 (*pmr*)
Sliwowski, J.K. *et al, J. Am. Chem. Soc.*, 1977, **99**, 4479 (*biosynth*)
Fujimoto, Y. *et al, J. Org. Chem.*, 1979, **44**, 1011 (*synth*)
Seo, S. *et al, J. Chem. Soc., Chem. Commun.*, 1986, 1139 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13237.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7834.

Stilbazium(1+) S-00152

1-Ethyl-2,6-bis(p-1-pyrrolidinylstyryl)pyridinium, 8CI



$C_{31}H_{36}N_3^{\oplus}$ M 450.646 (ion)

Anthelmintic.

Iodide: [3784-99-4]. *Stilbazium iodide, BAN, USAN, INN. Monopar. BW 61-32.*

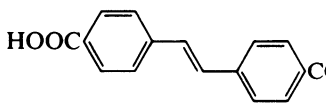
$C_{31}H_{36}IN_3$ M 577.550

Mp 282-283°.

▷UU2610000.

Phillips, A.P. *et al, Nature (London)*, 1961, **191**, 707(pharmacol)
Burrows, R.B. *et al, J. Parasitol.*, 1962, **48**, 767, 769 (*pharmacol*)
U.S.P., 3 075 975, (*1963*); *CA*, **59**, 1603 (*synth*)
Konopleva, T.K. *et al, CA*, 1969, **70**, 76344f (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 812.

4,4'-Stilbenedicarboxylic acid S-00153



(*E*)-form

$C_{16}H_{12}O_4$ M 268.268

(E)-form

Mod. sol. DMF, Ac_2O, almost insol. most org. solvs. Mp 460° (sealed tube).

Di-Me ester: Mp 226-227°.

Di-Et ester: [20153-27-9]. *M&B 744.*

$C_{20}H_{20}O_4$ M 324.376

Mp 130°.

Chloride: Mp 228-232°.

*Diamidine: **Stilbamidine, BAN**.*

$C_{16}H_{16}N_4$ M 264.329

Antitrypanosomiasis drug. Used mainly as isethionate.

Diamidine, 2-hydroxyethanesulphonate: [140-59-0]. *Stilbamidine isetionate, INN.*

$C_{20}H_{28}N_4O_8S_2$ M 516.583

Mp 290° dec. Unstable in neutral or alk. soln.

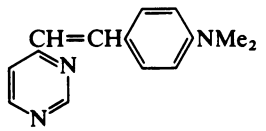
Oxley, P. *et al, J. Chem. Soc.*, 1946, 147 (*synth, Stilbamidine*)
Toland, W.G. *et al, J. Am. Chem. Soc.*, 1953, **75**, 2263 (*synth, bibl*)
Sen, A.B. *et al, J. Sci. Ind. Res., Sect. C*, 1960, **19**, 238 (*deriv*)

Courseille, C. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1971, **272**, 1115 (*cryst struct*)
Jozef, A. *et al*, *Antimicrob. Agents Chemother.*, 1980, **18**, 231 (*activity, Stilbamidine*)
Gresh, N. *et al*, *Mol. Pharmacol.*, 1984, **25**, 452 (*pharmacol, Stilbamidine*)

Stilbenemidine S-00154

N,N-*Dimethyl-4-[2-(4-pyrimidinyl)ethenyl]-benzenamine, 9CI*

[100650-00-8]



$C_{14}H_{15}N_3$ M 225.293

Antitumour agent. Cryst. (EtOH). Mp 179-180°.

B,CH₃I: Mp 230°.

Hu, S. *et al*, *Yiyao Gongye*, 1985, **16**, 210; 1986, **17**, 31; *CA*, 1986, **104**, 109565, 161631 (*synth, pharmacol*)

Stilonium(1+) S-00155

N,N,N-*Triethyl-2-[4-(2-phenylethenyl)phenoxy]-ethanaminium, 9CI*

$PhCH{=}CHPhOCH_2CH_2N^{\oplus}Et_3$

$C_{22}H_{30}NO^{\oplus}$ M 324.485 (ion)

(E)-form

Antispasmodic; ganglion blocking agent.

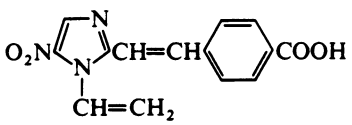
Iodide: [77257-42-2]. *Stilonium iodide, USAN, INN. Elvetil. Elveton. MG 624.*
$C_{22}H_{30}INO$ M 451.390
Cryst. Mp 211-212°.

Cavallini, G. *et al*, *Farmaco, Ed. Sci.*, 1953, **8**, 317; 1954, **9**, 416 (*synth, pharmacol*)
Garrett, J., *Arch. Int. Pharmacodyn. Ther.*, 1963, **144**, 381 (*pharmacol*)

Stirimazole, BAN, INN S-00156

4-[2-(Ethenyl-5-nitro-1H-imidazol-2-yl)ethenyl]-benzoic acid, 9CI. p-[2-(*5-Nitro-1-vinylimidazol-2-yl*)-*vinyl*]*benzoic acid, 8CI*

[30529-16-9]



$C_{14}H_{11}N_3O_4$ M 285.259

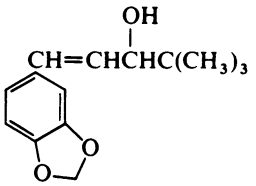
Drug used in treatment of amoebiasis, trichomoniasis and trypanosomiasis. Mp 303-306° dec.

Ross, W.J. *et al*, *J. Med. Chem.*, 1973, **16**, 347 (*synth, pharmacol*)

Stiripentol, USAN, INN S-00157

1-(1,3-Benzodioxol-5-yl)-4,4-dimethyl-1-penten-3-ol, 9CI. BCX 2600

[49763-96-4]



$C_{14}H_{18}O_3$ M 234.294

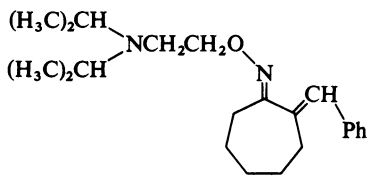
Anticonvulsant, anxiolytic agent. Fine needles (EtOH). Mp 74°.

▷SB3393000.

B.P., 1 376 096, (*1973*); *CA*, **79**, 146216c (*synth, pharmacol*)
Astoin, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1978, **13**, 41 (*synth, pharmacol*)
Wegman, R. *et al*, *Cell. Mol. Biol.*, 1978, **23**, 437 (*metab*)
Levy, R.H. *et al*, *J. Clin. Pharmacol.*, 1983, **23**, 523.
Lisgarten, J.N. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1992 (*cryst struct*)

Stirocainide, INN S-00158

2-Benzylidenecycloheptanone O-[2-(diisopropylamino)-ethyl]oxime. Egyt 1855. Th 494



$C_{22}H_{34}N_2O$ M 342.523

(E,E)-form [78372-27-7]

Antidepressant, antiarrhythmic agent. Mp 118-120°.

Eur. Pat., 95 719, (*1983*); *CA*, **100**, 156367u (*synth, pharmacol*)

Streptodornase, BAN, INN S-00159

Streptococcal deoxyribonuclease

[37340-82-2]

A deoxyribonuclease isol. from *Streptococcus haemolyticus*. Depolymerises deoxyribonucleic acid and deoxyribonucleoprotein. Used only in conjunction with Streptokinase, S-00160 .

Bernheimer, A.W. *et al*, *Trans. N.Y. Acad. Sci.*, 1952, **14**, 137 (*activity*)
B.P., 797 727, (*1958*); *CA*, **52**, 19029e (*sepn, purifn*)
Potter, J.L. *et al*, *J. Biol. Chem*, 1959, **234**, 1263.
Ellis, R.P. *et al*, *Amer. J. Vet. Res.*, 1971, **32**, 349.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3745.

Streptokinase, BAN, INN S-00160

Awelysin. Kinalysin. Kabikinase. Streptase

[9002-01-1]

Isol. from *Streptococcus haemolyticus*. Fibrinolytic enzyme, used in treatment of myocardial infarction. Used in combination with Streptodornase, S-00159 .

▷OB8880000.

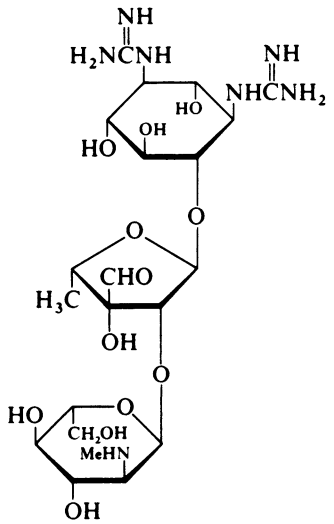
Christensen, L.R., *J. Gen. Physiol.*, 1945, **28**, 363 (*isol*)
Brogden, R.N. *et al*, *Drugs*, 1973, **5**, 357 (*rev*)
Castellino, F.J. *et al*, *Methods Enzymol.*, 1976, **45**, 244 (*rev, props*)

Kloecking, H.P., *Handbk. Exp. Pharmakol.*, 1978, **46**, 151 (*rev, pharmacol*)
Einarsson, M. *et al*, *Biochim. Biophys. Acta*, 1979, **568**, 19 (*props*)
Jackson, K.W. *et al*, *Prog. Fibrinolysis*, 1981, **5**, 49 (*struct*)
Paques, E.P., *Haemostasis*, 1986, **16**, Suppl. 3, 21 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3746.

Streptomycin, BAN, INN S-00161

N-Methyl-L-glucosamidinostreptosidostreptidine. NSC 14083. Numerous proprietary names

[57-92-1]



$C_{21}H_{39}N_7O_{12}$ M 581.579

Aminoglycoside antibiotic. Isol. from *Streptomyces griseus*. Clinically used broad spectrum antibacterial (tuberculostatic) agent. Indefinite Mp.

▷WK4375000.

B,3HCl: [6160-32-3]. $[\alpha]_D$ −86.7° (c, 1.0 in H_2O).

▷WK5045000.

2B,3H$_2$SO$_4$: [3810-74-0]. Powder.

▷WK4990000.

Dihydro; B,3HCl:
$C_{21}H_{41}N_7O_{12}$ M 583.595
Mp 190-195° dec.

Helianthate: Mp 220-226° dec.

Reineckate: Mp 162-164° dec.

N-De-Me: [19022-67-4]. **N-Demethylstreptomycin**. *L-Glucosamidinostreptosidostreptidine.*
$C_{20}H_{37}N_7O_{12}$ M 567.552
Isol. from *S. griseus*. Shows low antimicrobial activity.

2-Deoxy: [60029-13-2]. *2-Deoxystreptomycin.*
$C_{21}H_{39}N_7O_{11}$ M 565.579
Semisynthetic.

Isonicotinic acid hydrazide (2:3): [4480-58-4]. ***Streptonicozid, USAN, BAN.*** *Streptoniazid, INN. Streptohydrazid. Hidramicin. Nicostreptil. Striazide.*
$C_{27}H_{44}N_{10}O_{12}$ M 700.704
Tuberculostatic agent. Cryst. Dec. at *ca.* 230°.

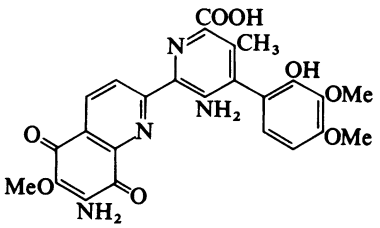
Sulfate (2:3): [5667-71-0]. Cryst. Dec. at *ca.* 230°.

Kuehl, F.A. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1234 (*struct*)
Emery, W.B., *Chem. Ind. (London)*, 1952, 254 (*rev*)
Pennington, F.C. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2261 (*synth*)
Heding, H., *Acta Chem. Scand.*, 1968, **22**, 1649; 1969, **23**, 1275 (*Demethylstreptomycin*)
Neidle, S. *et al*, *Tetrahedron Lett.*, 1968, 4725 (*cryst struct*)
Bock, K. *et al*, *J. Antibiot.*, 1974, **27**, 139 (*cmr*)
Umezawa, S. *et al*, *J. Antibiot.*, 1974, **27**, 997 (*synth*)
Munro, M.H.G. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4782 (*biosynth*)
U.S.P., 3 956 295, 3 993 544, (*1976*); *CA*, **85**, 107460; **86**, 104447 (*Deoxystreptomycin*)
Umezawa, S., *J. Antibiot.*, 1979, **32**, S60 (*rev, synth*)
Wallace, B.J. *et al*, *Antibiotics (N.Y.)*, 1979, **5**, 272 (*rev, props*)
Munro, M.H.G. *et al*, *J. Antibiot.*, 1982, **35**, 1331 (*cmr*)
Mossa, J.S. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 507 (*rev, synth, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6405.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 160, 161, 162, 163.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2467, 2468.

Streptonigrin, USAN S-00162

Rufocromomycin, INN. *Bruneomycin. Nigrin. Valacidin. NSC 45383. RP 5278. Antibiotic RP 5278*

[3930-19-6]



$C_{25}H_{22}N_4O_8$ M 506.471

Benzoquinone antibiotic. Isol. from *Streptomyces flocculus* and other *S.* spp. Antineoplastic antibiotic showing immunosuppressant, antitumour, antiviral and antileukaemic activity. Coffee-brown to almost black rectangular plates (Me_2CO or dioxan) or brown needles. Mp 275° dec. (plates), 262-263° (needles). pK_a 6.2-6.4 (50% dioxan aq.).

▷TJ7350000.

6-O-Demethyl: ***Antibiotic MG 883-12F$_2$.*** *MG 883-12F$_2$.*
$C_{24}H_{20}N_4O_8$ M 492.444
From a *S.* sp. Active against mouse leukaemia.

10'-O-Demethyl: ***10'-Demethylstreptonigrin.***
$C_{24}H_{20}N_4O_8$ M 492.444
From *S. albus*. Shows antitumour and weak antibacterial props. Brown powder. Mp 177-181°.

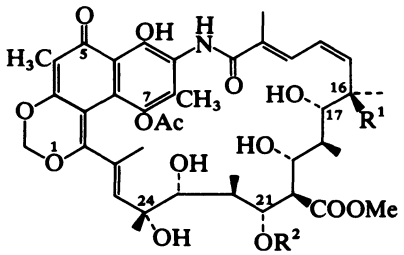
Rao, K.V. *et al*, *Antibiot. Annu.*, 1959-60, 950 (*isol*)
Lown, J.W. *et al*, *Can. J. Chem.*, 1974, **52**, 2331 (*cmr, pmr*)
Chiu, Y.Y. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 2525 (*cryst struct*)
Rao, K.V. *et al*, *J. Heterocycl. Chem.*, 1975, **12**, 725, 731 (*synth, ir, uv, nmr*)
Gould, S.J. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 5496 (*biosynth*)
Hibino, S. *Heterocycles*, 1977, **6**, 1485 (*rev, synth*)
Kim, D. *et al*, *J. Org. Chem.*, 1978, **43**, 121 (*synth*)
Mizuno, N.S., *Antibiotics (N.Y.)*, 1979, **5**, 372 (*rev, props*)
Dholakia, S. *et al*, *Tetrahedron*, 1981, **37**, 2929 (*cd*)
Gould, S.J. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 343 (*biosynth*)
Weinreb, S.M. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 536 (*synth*)
Boger, D.L. *et al*, *J. Org. Chem.*, 1983, **48**, 621 (*synth*)
Boger, D.L. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 5745 (*synth, bibl*)
Hajdu, J., *Metal Ions Biol. Syst.*, 1985, **19**, 53 (*rev, props*)
Herlt, A.J. *et al*, *J. Antibiot.*, 1985, **38**, 516 (*isol, biosynth*)
Isshiki, K. *et al*, *J. Antibiot.*, 1986, **39**, 1013 (*deriv*)

Eur. Pat., 185 979, (*1986*); *CA*, **105**, 151549 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1862.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2468.

Streptovarycin, INN S-00163

U 7750. Antibiotic U 7750

[1404-74-6]



Streptovaricin A R^1 = OH, R^2 = Ac
B R^1 = H, R^2 = Ac
C R^1 = R^2 = H
G R^1 = OH, R^2 = H

Ansamycin antibiotic complex. Isol. from *Streptomyces spectabilis*. Possesses antimicrobial and antiviral props. Feed supplement.

▷Highly toxic. WK5900000.

Streptovaricin A [23344-16-3]
$C_{42}H_{53}NO_{16}$ M 827.878

Orange cryst. Mp 194-196°. $[\alpha]_D$ +610° ($CHCl_3$).

▷IO1440000.

Streptovaricin B [11031-82-6]
$C_{42}H_{53}NO_{15}$ M 811.878

Orange cryst. Mp 185-187°. $[\alpha]_D$ +576° (c, 0.19 in $CHCl_3$).

▷WK5886000.

Streptovaricin C [23344-17-4]
$C_{40}H_{51}NO_{14}$ M 769.841

Amorph. Mp 189-191°. $[\alpha]_D$ +602° ($CHCl_3$). Major component of complex.

▷WK5880000.

17-Ac: [52275-61-3]. ***Streptovaricin J.***
$C_{42}H_{53}NO_{15}$ M 811.878
Mp 177-178°. $[\alpha]_D^{26}$ +436° (c, 0.09 in $CHCl_3$).

24-Deoxy: [32164-26-4]. ***Streptovaricin D.***
$C_{40}H_{51}NO_{13}$ M 753.842
Amorph. Mp 167-170°. $[\alpha]_D$ +436° ($CHCl_3$).

▷WK5881000.

17-Ketone: [35413-63-9]. ***Streptovaricin E.***
$C_{40}H_{49}NO_{14}$ M 767.825
Mp 102-105°. $[\alpha]_D^{24}$ +613° ($CHCl_3$).

Parent acid, 20,17-lactone: [35512-45-9]. *Streptovaricin Fc.*
$C_{39}H_{47}NO_{13}$ M 737.799
Semisynthetic. Mp 213-216°. $[\alpha]_D$ +630° ($CHCl_3$).

Streptovaricin G [11031-85-9]
$C_{40}H_{51}NO_{15}$ M 785.841

Amorph. Mp 190-192°. $[\alpha]_D$ +473° ($CHCl_3$).

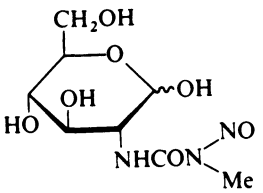
17-Ac: ***Streptovaricin K.***
$C_{42}H_{53}NO_{16}$ M 827.878

Rinehart, K.L. *et al*, *J. Am. Chem. Soc.*, 1966, **88**, 3149; 1971, **93**, 6273; *J. Antibiot.*, 1972, **25**, 71; *Biochemistry*, 1974, **13**, 861.
Kakinuma, K. *et al*, *J. Org. Chem.*, 1976, **41**, 1358 (*cmr*)
Rinehart, K.L. *et al*, *Fortschr. Chem. Org. Naturst.*, 1976, **33**, 231 (*rev*)
Milavetz, B.I. *et al*, *Pharmacol. Ther., Part A*, 1977, **1**, 289 (*rev, pharmacol*)
McCarthy, P.A. *et al*, *Tetrahedron Lett.*, 1982, **23**, 4199 (*synth*)
Trost, B.M. *et al*, *Tetrahedron Lett.*, 1983, **24**, 269 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2469.

Streptozotocin S-00164

2-Deoxy-2-[[(methylnitrosoamino)carbonyl]amino]-D-glucose, 9CI. ***Streptozocin, USAN, INN.*** *Zanosar. NSC 85998. U 9889. Antibiotic U 9889*

[18883-66-4]



$C_8H_{15}N_3O_7$ M 265.222

Aminoglycoside antibiotic. Prod. by *Streptomyces achromogenes*. Antineoplastic agent. Pointed platelets or prisms (EtOH). Mp 115° dec. $[\alpha]_D^{25}$ +39° (equilibrium in H_2O). λ_{max} 228 nm (ϵ 6 360). With alkali → CH_2N_2.

▷Highly toxic orally. LZ5775000.

Tetra-Ac: Mp 111-114° dec. $[\alpha]_D^{25}$ +41° (c, 0.78 in 95% EtOH).

Herr, R.R. *et al*, *Antibiot. Annu.*, 1959-60, 236 (*isol*)
Herr, R.R. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 4808 (*struct, synth*)
Hardegger, E. *et al*, *Helv. Chim. Acta*, 1969, **52**, 2555 (*synth*)
Hessler, E.-J. *et al*, *J. Org. Chem.*, 1970, **35**, 245 (*synth*)
Wiley, P.F. *et al*, *J. Org. Chem.*, 1979, **44**, 9 (*struct*)
Agarwal, M.K., *Streptozocin, Fundamentals and Therapy*, Elsevier, 1981 (*book*)
Kurahashi, K., *Antibiotics* (*N.Y.*), 1981, **4**, 325 (*rev*)
Srivastava, L.M. *et al*, *Trends Pharmacol. Sci.*, 1982, **3**, 376 (*rev, props*)
Weiss, R.B., *Cancer Treat. Rep.*, 1982, **66**, 427 (*rev, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1864.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 2469.

Strontium chloride S-00165

[10476-85-4]

$SrCl_2$

Cl_2Sr M 158.526

Used in toothpastes to relieve dental hypersensitivity. Colourless cubic cryst. Mp 868° (873°). ^{85}Sr labelled cpd. used as radioactive agent.

▷WK8400000.

Hexahydrate: [10025-70-4]. Cryst. Mp 61°.

▷WK8575000.

Penney, D.A. *et al*, *Arch. Oral Biol.*, 1976, **21**, 339 (*use*)
U.S.P., 4 146 606, (*1979*); *CA*, **90**, 192567t (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5875, 13270.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3122.

Strontium nitrate S-00166

[10042-76-9]

$Sr(NO_3)_2$

N_2O_6Sr M 211.630

^{85}Sr labelled cpd. used as radioactive agent (Strotope). White granules. Mp 570-645°. Used in pyrotechnics industry.

▷WK9800000.

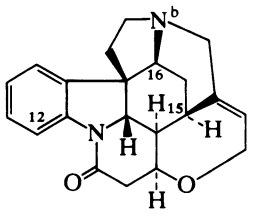
Tetrahydrate: [13470-05-8]. Mp 100°.

Cochran, K.W. *et al*, *Arch. Ind. Hyg.*, 1950, **1**, 637 (*tox*)
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3124.

Strychnine, 8CI S-00167

Strychnidin-10-one, *9CI*

[57-24-9]



Absolute configuration

$C_{21}H_{22}N_2O_2$ M 334.417

Alkaloid from the seeds of *Strychnos nux-vomica*, from *S. wallichiana* and from very many other *S.* spp. Bark of *S. icaja* is richest known source (6.6%) (Strychnaceae). Violent tetanic poison, employed comly. in vermin killers. Small doses used as tonics. Use as animal poison prohibited in UK, pharmaceutical use essentially obsolete. Important tool in neurophysiological research. CNS stimulant. Convulsant. Cholinesterase inhibitor. Tonic. Mp 270-271° (slow heat) (275-285°), 286-288°. $[\alpha]_D^{18}$ −139° ($CHCl_3$), −104° (EtOH). pK_{a1} 8.0, pK_{a2} 2.3 (20°). Readily forms crystalline chloromethochloride artifacts when $CHCl_3$ or CH_2Cl_2 is used in isoln.

▷Poisonous. Antidote: barbiturates. WL2275000.

B_2,H_2SO_4: [60-41-3]. Cryst. + $5H_2O$. Mp 200° (anhyd.).

▷WL2550000.

Monopicrate: Mp 270° dec.

N^b-*Oxide:* [7248-28-4]. ***Strychnine* N-oxide**. *Genostrychnine. Movellan. Stricnogen. Z203.*

$C_{21}H_{22}N_2O_3$ M 350.416

Alkaloid from *S. wallichiana* and *S. nux-vomica* leaves (Strychnaceae). Is formed as an artifact when $CHCl_3$ or CH_2Cl_2 solns. of strychnine are allowed to stand. Appears to be a genuine alkaloid, however.

▷WL2460300.

12-Hydroxy: [22595-26-2]. ***12-Hydroxystrychnine***. *4-Hydroxystrychnine.*

$C_{21}H_{22}N_2O_3$ M 350.416

Alkaloid from *S. icaja*, seeds of *S. wallichiana* and fruits of *S. nux-vomica* (Strychnaceae). Cryst. (EtOH). $[\alpha]_D^{20}$ −8° (c, 0.7 in $CHCl_3$).

▷WL2340000.

12-Hydroxy, N^b-*oxide:* [83905-59-3]. ***12-Hydroxystrychnine* N^b-oxide**.

$C_{21}H_{22}N_2O_4$ M 366.416

Alkaloid from leaves of *S. nux-vomica* (Sri Lankan, poss. hybrid) (Strychnaceae).

15-Hydroxy: [72994-79-7]. ***15-Hydroxystrychnine***. *14-Hydroxystrychnidin-10-one*, *9CI*.

$C_{21}H_{22}N_2O_3$ M 350.416

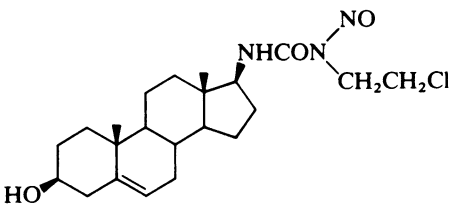
Alkaloid from seeds of *S. nux-vomica* (Strychnaceae). Cryst. (EtOAc). Mp 204-206°. $[\alpha]_D^{20}$ −192.7° (c, 0.4 in $CHCl_3$).

Pelletier, J. *et al*, *Ann. Chim. (Paris)*, 1819, **10**, 142 (*isol*)
Robinson, R., *Prog. Org. Chem.*, 1952, **1**, 1 (*rev, struct*)
Peerdeman, A.F., *Acta Crystallogr.*, 1956, **9**, 824 (*cryst struct*)
Woodward, R.B. *et al*, *Tetrahedron*, 1963, **19**, 247 (*synth*)
Hesse, M. *et al*, *Helv. Chim. Acta*, 1965, **48**, 674 (*ms*)
Sandberg, F. *et al*, *Tetrahedron Lett.*, 1968, 6217; 1969, 227 (*facing*) (*12-Hydroxystrychnine*)
Phillipson, J.D. *et al*, *Phytochemistry*, 1972, **11**, 2547 (*chloromethochlorides*)
Heimberger, S.I. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 217 (*biosynth*)
Bisset, N.G. *et al*, *Phytochemistry*, 1974, **13**, 259 (*oxide*)
Snow, J.W. *et al*, *Can. J. Chem.*, 1978, **56**, 1222 (*uv, cd*)
Wenkert, E. *et al*, *J. Org. Chem.*, 1978, **43**, 1099 (*pmr, cmr*)
Galeffi, C. *et al*, *Tetrahedron*, 1979, **35**, 2545 (*15-Hydroxystrychnine*)
Baser, K.H.C. *et al*, *Phytochemistry*, 1982, **21**, 1423 (*12-Hydroxystrychnine N-oxide*)
Chazin, W.J. *et al*, *Can. J. Chem.*, 1983, **61**, 1749 (*pmr*)
Goldinger, A. *et al*, *Med. Monatsschr. Pharm.*, 1983, **6**, 141 (*rev, pharmacol*)
Glover, S.S.C. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 990 (*cryst struct*)
Mostad, A. *et al*, *Acta Chem. Scand., Ser. B*, 1985, **39**, 705 (*cryst struct*)
Muhtadi, F.J. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 563 (*rev, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 542, 543, 544, 545, 546.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2472, 2473.

Sturamustine S-00168

N-(*2-Chloroethyl*)-N′-(*3-hydroxyandrost-5-en-17-yl*)-N-*nitrosourea*, *9CI*

[81912-55-2]



$C_{22}H_{34}ClN_3O_3$ M 423.982

Antineoplastic agent. Cryst. (EtOH). Mp 139-141°. $[\alpha]_D^{20}$ −40° (c, 1 in $CHCl_3$).

Chavis, C. *et al*, *Steroids*, 1982, **39**, 129 (*synth, props*)
Eur. Pat., 90 736, (*1983*); *CA*, **100**, 121449 (*synth, props*)

Styramate, BAN, INN S-00169

β-Hydroxyphenethyl carbamate. 2-Hydroxy-2-phenylethyl carbamate. Linaxar. Myospaz. Sinaxar

[94-35-9]

$H_2NCOOCH_2CH(OH)Ph$

$C_9H_{11}NO_3$ M 181.191

▷KI2625000.

(±)-*form*

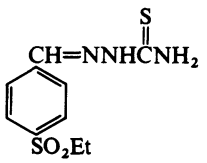
Skeletal muscle relaxant. Spasmolytic. Cryst. ($CHCl_3$). Mp 112-114°.

De Salva, S.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1959, **126**, 318 (*pharmacol*)
B.P., 841 626, (*1960*); *CA*, **55**, 5427 (*synth*)
U.S.P., 3 313 692, (*1967*); *CA*, **67**, 11326v (*synth*)
Rouse, D.J. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 256 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5730.

Subathizone, INN S-00170

4-(Ethylsulfonyl)benzaldehyde thiosemicarbazone. Berculon B. *Ethiazone. Ethicetazone. Ethizone. Polyteben. Subatin. Sulzon. SHCH 431. TB III/1347*

[121-55-1]



$C_{10}H_{13}N_3O_2S_2$ M 271.352

Antitubercular agent. Mp 243-245° dec.

Bernstein, J. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 906 (*synth, pharmacol*)

Substance *P*, 9CI S-00171

[33507-63-0]

Arg-Pro-Lys[4]-Pro-Gln-Gln-Phe-Phe-Gly-Leu[11]-$MetNH_2$

$C_{63}H_{98}N_{18}O_{13}S$ M 1347.640

Present in the brain of vertebrate species, in spinal ganglia and in the intestines, especially the duodenum and jejunum. Substance with a wide variety of pharmacological properties including the ability to cause transient hypotension and stimulate salivary secretion on intravenous injection and also to bring about contraction of smooth muscle preparations. Cryst. + 3AcOH + $4H_2O$. $[\alpha]_D^{27}$ −76.0° (5% AcOH aq.). Fragment 4-11 is reported to be as active as Substance *P* itself.

Zuber, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1962, **1**, 160 (*isol*)
Chang, M.M. *et al*, *J. Biol. Chem.*, 1970, **245**, 4748; *Nature New Biol.*, 1971, **232**, 86 (*isol, struct, synth*)
Studer, R.O. *et al*, *Helv. Chim. Acta*, 1973, **56**, 860 (*isol, struct*)
Yajima, H. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 682 (*synth*)
Bayer, E. *et al*, *Chem. Ber.*, 1974, **107**, 1344 (*synth*)
Leeman, S. *et al*, *Pept. Neurobiol.*, (*Gainer, H., Ed.*), 1977, Plenum, N.Y., 99 (*rev*)
Kitagawa, K. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 1604 (*synth*)
Iversen, L.L., *Br. Med. Bull.*, 1982, **38**, 277 (*rev*)
Chassaing, G. *et al*, *J. Org. Chem.*, 1983, **48**, 1757 (*synth*)
Schwyzer, R. *et al*, *Helv. Chim. Acta*, 1986, **69**, 1789, 1798, 1807 (*cd, struct, props*)

Succinylsulfathiazole, INN S-00172

4-Oxo-4-[[4-[(2-thiazolylamino)(sulfonyl]phenyl]-amino]butanoic acid, 9CI. *4'-(2-Thiazolylsulfamoyl)-succinanilic acid*, 8CI. *Kaoxidin. Sulfasuxidine. Thiacyl. Colistatin. Numerous proprietary names*

[116-43-8]



$C_{13}H_{13}N_3O_5S_2$ M 355.383

Intestinal antibacterial agent. Cryst. + $1H_2O$. Mp 184-186° (192-195°).

▷WM4767000.

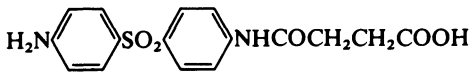
Bi(III) salt: [59574-68-4]. *Bisulfa. Enterosulfocina.* Antibacterial agent.

Moore, M.L. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1572 (*synth*)
Kram, T.C., *J. Pharm. Sci.*, 1972, **61**, 254 (*hplc*)
Chang, C.J. *et al*, *J. Med. Chem.*, 1975, **18**, 505 (*nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2723 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4914.

Succisulfone, INN S-00173

4-[[4-[(4-Aminophenyl)sulfonyl]phenyl]amino]-4-oxobutanoic acid, 9CI. *4'-Sulfanilylsuccinanilic acid*, 8CI. *F 1500. Succinyldapsone. Succinyldiaphenylsulphone. Exosulfonyl*

[5934-14-5]



$C_{16}H_{16}N_2O_5$ M 316.313

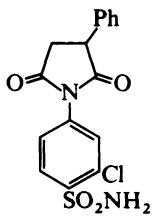
Antimicrobial agent. Mp 157°.

Smith, M.I. *et al*, *Proc. Soc. Exp. Biol. Med.*, 1947, **64**, 261 (*pharmacol*)
Bauer, H., *J. Am. Chem. Soc.*, 1948, **70**, 2254 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13272.

Suclofenide, BAN, INN S-00174

3-Chloro-4-(2,5-dioxo-3-phenyl-1-pyrrolidinyl)-benzenesulfonamide, 9CI. *N-(2-Chloro-4-sulfamoylphenyl)-2-phenylsuccinimide. Sulfalepsine. GS 385*

[30279-49-3]



$C_{16}H_{13}ClN_2O_4S$ M 364.803

(±)-*form*

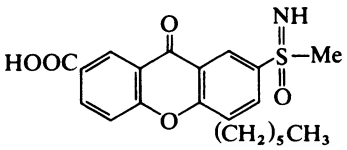
Anticonvulsant. Cryst. ($MeOH/Et_2O$/pet. ether). Mp 205-207°.

Ger. Pat., 2 029 821, (*1970*); *CA*, **74**, 53511b (*synth, pharmacol*)
Waser, P.G. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1942 (*pharmacol*)

Sudexanox, INN **S-00175**

5-Hexyl-7-(S-methylsulfonimidoyl)-9-oxo-9H-xanthene-2-carboxylic acid, 9CI. *S-(7-Carboxy-4-hexyl-9-oxoxanthen-2-yl)-S-methylsulfoximine*

[58761-87-8]



$C_{21}H_{23}NO_5S$ M 401.476

Antiallergic agent. Mp 193-194°.

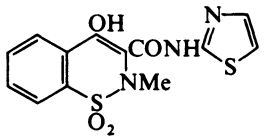
Na salt: Cryst. (EtOH). Mp 192-195°.

Ger. Pat., 2 530 466, (*1976*); *CA*, **84**, 135473m (*synth, ir, pharmacol*)

Sudoxicam, BAN, USAN, INN **S-00176**

4-Hydroxy-2-methyl-N-2-thiazolyl-2H-1,2-benzothiazine-3-carboxamide 1,1-dioxide, 9CI. *CP 15973*

[34042-85-8]



$C_{13}H_{11}N_3O_4S_2$ M 337.368

Antiinflammatory drug. Mp 243° dec.

▷DL0710500.

Lombardino, J.G. *et al*, *J. Med. Chem.*, 1972, **15**, 848; 1973, **16**, 493.

Lombardino, J.G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1629 (*props, pharmacol*)

Lombardino, J.G. *et al*, *J. Heterocycl. Chem.*, 1976, **13**, 333 (*synth*)

Hobbs, D.C. *et al*, *Drug Metab. Dispos.*, 1977, **5**, 75 (*metab*)

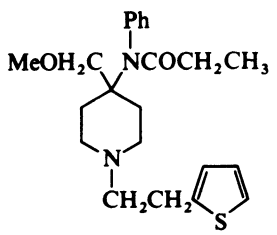
Liu, H. *et al*, *CA*, 1983, **99**, 122392 (*synth*)

Dalla Croce, P. *et al*, *J. Chem. Res. (S)*, 1986, 150 (*synth*)

Sufentanil, BAN, INN, USAN **S-00177**

N-[4-(Methoxymethyl)-1-[2-(2-thienyl)ethyl]-4-piperidinyl]-N-phenylpropanamide, 9CI. *Fentatienil. Sulfentanyl. R 30730. R 33800*

[56030-54-7]



$C_{22}H_{30}N_2O_2S$ M 386.551

Narcotic analgesic. Cryst. (pet. ether). Mp 96.6°.

Citrate: [60561-17-3]. *Sufentanil citrate,* USAN. *Sufenta.*

▷UE5295000.

Van Bever, W.F.M. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1548 (*pharmacol*)

Van Daele, P.G.H. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1521 (*synth, pharmacol*)

Peeters, O.M. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 999 (*cryst struct*)

Mather, L.E., *Clin. Pharmacokinet.*, 1983, **8**, 422 (*rev, metab*)

Rosow, C.E., *Pharmacotherapy* (*Carlisle, Mass.*), 1984, **4**, 11 (*rev, pharmacol*)

Vanden Bussche, G. *et al*, *Drug Dev. Res.*, 1986, **8**, 341 (*rev, pharmacol*)

Yang, Z. *et al*, *CA*, 1986, **104**, 186279 (*synth*)

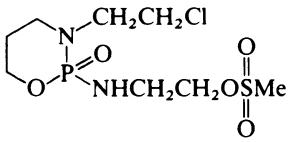
Monk, J.P. *et al*, *Drugs*, 1988, **36**, 286 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13274.

Sufosfamide, INN **S-00178**

2-[[3-(2-Chloroethyl)tetrahydro-2H-1,3,2-oxazaphosphorin-2-yl]amino]ethanol methanesulfonate P-*oxide,* 9CI. *Asta 5122. Cytimun*

[37753-10-9]



$C_8H_{18}ClN_2O_5PS$ M 320.727

Immunosuppressant, antineoplastic agent.

▷KK1580000.

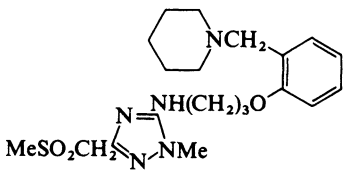
Ger. Pat., 2 107 936, (*1972*); *CA*, **77**, 152238m (*synth, pharmacol*)

Brock, N. *et al*, *Arzneim.-Forsch.*, 1974, **24**, 1149 (*pharmacol*)

Sufotidine, INN, BAN, USAN **S-00179**

1-Methyl-3-[(methylsulfonyl)methyl]-N-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-1H-1,2,4-triazol-5-amine, 9CI. *1-Methyl-3-(mesylmethyl)-1H-1,2,4-triazol-5-yl[3-(α-piperidino-*m*-tolyloxy)propyl]amine. AH 25352*

[80343-63-1]



$C_{20}H_{31}N_5O_3S$ M 421.557

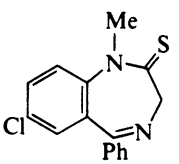
Histamine H_2-antagonist. Cryst. (MeOAc/pet. ether). Mp 121-122°.

Fr. Pat., 2 477 150, (*1981*); *CA*, **96**, 35271y (*synth, pharmacol*)

Sulazepam, USAN, INN **S-00180**

7-Chloro-1,3-dihydro-1-methyl-5-phenyl-(2H)-1,4-benzodiazepine-2-thione, 9CI, 8CI. *W 3676*

[2898-13-7]



$C_{16}H_{13}ClN_2S$ M 300.805

Tranquilliser. Pale-yellow prisms (EtOH). Mp 162-164°.

▷DE9700000.

Archer, G.A. *et al*, *J. Org. Chem.*, 1964, **29**, 231 (*synth*)

U.S.P., 3 243 427, (*1966*); *CA*, **64**, 19647c (*synth, pharmacol*)

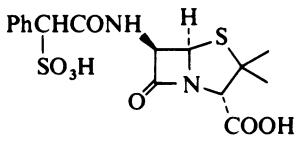
Levillain, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)

Sharbatyan, P.A. *et al*, *Khim. Geterotsikl. Soedin.*, 1976, 1412 (*ms*)

Sulbenicillin, INN **S-00181**

α-Sulfobenzylpenicillin

[41744-40-5]



$C_{16}H_{18}N_2O_7S_2$ M 414.447

Semisynthetic penicillin. Shows antipseudomonal activity.

Di-Na salt: [28002-18-8]. *Disodium sulbenicillin,* JAN. *Lilacillin. Sulbenil. Sulpelin. Sulfocillin. Kedacillin.* Mp 195-198° dec. Marketed as mixt. of side-chain diastereoisomers.

▷XH9890000.

Morimoto, S. *et al, J. Med. Chem.*, 1972, **15**, 1105, 1108 (*synth, pmr, props*)

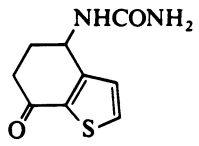
Bird, A.E. *et al, J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cmr, cd*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 164.

Sulbenox, USAN, INN **S-00182**

(4,5,6,7-Tetrahydro-7-oxobenzo[b]*thien-4-yl)urea,* 9CI. *Vigazoo. CL 206576*

[58095-31-1]



$C_9H_{10}N_2O_2S$ M 210.250

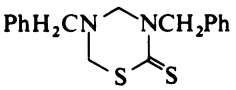
Veterinary growth stimulant. Cryst. (MeOH). Mp 245-246°.

Asato, G. *et al, Experientia*, 1979, **35**, 1458 (*synth, pharmacol*)

Sulbentine, INN **S-00183**

Tetrahydro-3,5-bis(phenylmethyl)-2H-1,3,5-thiadiazine-2-thione, 9CI. *3,5-Dibenzyltetrahydro-2H-1,3,5-thiadiazine-2-thione,* 8CI. *2-Thioxo-3,5-dibenzyltetrahydro-1,3,5-thiadiazine. Dibenzthione. Afungin. Fungiplex. Mecal. Mykoplex. Noticin. Refungine*

[350-12-9]



$C_{17}H_{18}N_2S_2$ M 314.463

Antifungal agent. Cryst. (Me_2CO or MeOH). Mp 101-102°.

Rieche, A. *et al, Arch. Pharm. (Weinheim, Ger.)*, 1960, **293**, 957 (*synth*)

Weuffen, W. *et al, Pharmazie*, 1963, **18**, 420 (*props*)

Talukar, P.B., *J. Indian Chem. Soc.*, 1967, **44**, 17 (*uv*)

Krisitian, P. *et al, Tetrahedron Lett.*, 1968, 679 (*synth*)

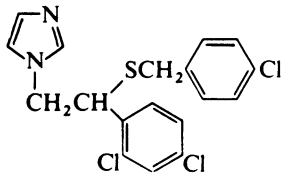
Krisitian, P. *et al, Collect. Czech. Chem. Commun.*, 1969, **34**, 2952 (*uv*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3006.

Sulconazole, BAN, INN **S-00184**

1-[2-[[(4-Chlorophenyl)methyl]thio]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole, 9CI

[61318-90-9]



$C_{18}H_{15}Cl_3N_2S$ M 397.749

(±)-*form*

Antifungal agent.

B,HNO₃: [61318-91-0]. *Sulconazole nitrate,* USAN. *Exelderm. Sulcosyn. RS 44872.* Cryst. (Me_2CO). Mp 130.5-132°.

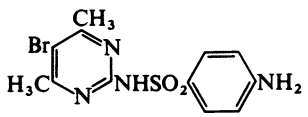
U.S.P., 4 039 677, (*1977*); *CA*, **87**, 152210c (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16999.

Sulfabromomethazine **S-00185**

4-Amino-N-(5-bromo-4,6-dimethyl-2-pyrimidinyl)-benzenesulfonamide, 9CI. *N′-(5-Bromo-4,6-dimethyl-2-pyrimidinyl)sulfanilamide,* 8CI. *Sulfabrom. SN 3517*

[116-45-0]



$C_{12}H_{13}BrN_4O_2S$ M 357.224

Antibacterial agent, used in veterinary medicine. Mp 250-252°.

English, J.P. *et al, J. Am. Chem. Soc.*, 1946, **68**, 453 (*synth, pharmacol*)

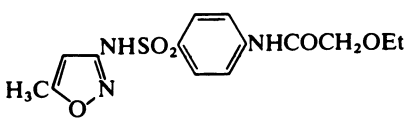
Stowe, C.M. *et al, Am. J. Vet. Res.*, 1958, **29**, 345 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4926.

Sulfacecole, INN **S-00186**

2-Ethoxy-N-[4-[[(5-methyl-3-isoxazolyl)amino]-sulfonyl]phenyl]acetamide, 9CI. *2-Ethoxy-4′-[(5-methyl-3-isoxazolyl)sulfamoyl]acetanilide,* 8CI

[21662-79-3]



$C_{14}H_{17}N_3O_5S$ M 339.365

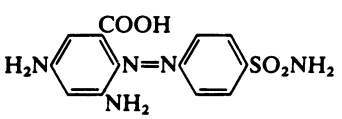
Antibacterial agent. Mp 174-176°.

South African Pat., 6 706 053, (*1968*); *CA*, **70**, 77942m (*synth, tox, pharmacol*)

Sulfachrysoidine, INN **S-00187**

3,5-Diamino-2-(p-sulfamoylphenylazo)benzoic acid, 8CI. *Azo compound No. 4. Collubiazol. Prontosil III. Rubiazol II*

[485-41-6]



$C_{13}H_{13}N_5O_4S$ M 335.337

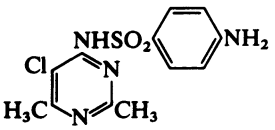
Antibacterial agent, used as Na salt. Dark-red cryst. Mp >300°.

Gley, P. *et al*, *Compt. Rend. Soc. Biol.*, 1937, **125**, 1027 (*synth, pharmacol*)
Lapp, C. *et al*, *Ann. Pharm. Fr.*, 1954, **12**, 32 (*metab*)
Kiger, J.L. *et al*, *Ann. Pharm. Fr.*, 1966, **24**, 593 (*phys prop, tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13276.

Sulfaclomide, INN **S-00188**

*4-Amino-*N*-(5-chloro-2,6-dimethyl-4-pyrimidinyl)-benzenesulfonamide,* 9CI. N′*-(5-Chloro-2,6-dimethyl-4-pyrimidinyl)sulfanilamide,* 8CI. *Sulfochlorin*

[4015-18-3]



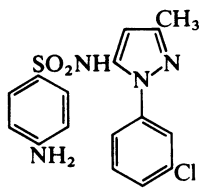
$C_{12}H_{13}ClN_4O_2S$ M 312.773
Antibacterial agent. Mp 225-226°.
▷WO8835000.

Oelssner, W. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1134 (*pharmacol*)
Hannig, E. *et al*, *Pharmazie*, 1968, **23**, 701 (*synth*)

Sulfaclorazole, INN **S-00189**

*4-Amino-*N*-[1-(3-chlorophenyl)-3-methyl-1*H*-pyrazol-5-yl]benzenesulfonamide,* 9CI. N′*-[1-*(m-*Chlorophenyl)-3-methyl-5-pyrazolyl]sulfanilamide*

[54063-55-7]



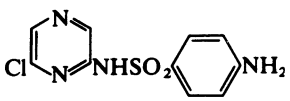
$C_{16}H_{15}ClN_4O_2S$ M 362.833
Antibacterial agent. Mp 223-224°.

Ger. Pat., 1 166 784, (*1964*); *CA*, **61**, 664d (*synth, pharmacol*)

Sulfaclozine, INN **S-00190**

*4-Amino-*N*-(6-chloropyrazinyl)benzenesulfonamide,* 9CI. N′*-(6-Chloropyrazinyl)sulfanilamide,* 8CI

[27890-59-1]



$C_{10}H_9ClN_4O_2S$ M 284.720
Antibacterial (coccidiostat). Mp 235-238°.

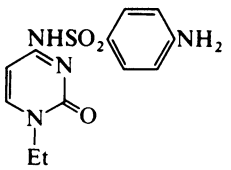
Na salt: [102-65-8]. *Sulfaclozine sodium. Esbetre. Sulfatyf sodium.*

Palamidessi, G. *et al*, *Gazz. Chim. Ital.*, 1961, **91**, 1431 (*synth*)

Sulfacytine, BAN, USAN **S-00191**

*4-Amino-*N*-(1-ethyl-1,2-dihydro-2-oxo-4-pyrimidinyl)benzenesulfonamide,* 9CI. N′*-(1-Ethyl-1,2-dihydro-2-oxo-4-pyrimidinyl)sulfanilamide,* 8CI. ***Sulfacitine, INN.*** *Renoquid. CI 636*

[17784-12-2]



$C_{12}H_{14}N_4O_3S$ M 294.328
Antibacterial agent. Cryst. (butanol/MeOH). Sol. alkalis. Mp 166.5-168°. pK_a 6.9.

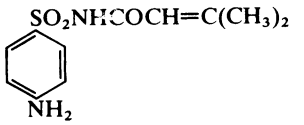
Monohydrate: Mp 104°.

Doub, L. *et al*, *J. Med. Chem.*, 1973, **13**, 242 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4916.

Sulfadicramide, INN **S-00192**

N-*[(4-Aminophenyl)sulfonyl]-3-methyl-2-butenamide,* 9CI. *3-Methyl-*N*-sulfanilylcrotonamide,* 8CI. *G290. Irgamid. Progarmed. Senecioylsulfanilamide. Sulfadicrolamide. Sulfauridin. Sulfirgamid*

[115-68-4]



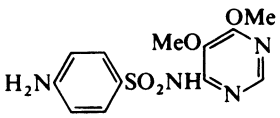
$C_{11}H_{14}N_2O_3S$ M 254.303
Antibacterial agent. Cryst. (EtOH). Mp 184-185°. Also used as Na salt.

Swiss Pat., 231 995, (*1944*); *CA*, **43**, 3457e (*synth, Na salt*)
U.S.P., 2 417 005, (*1947*); *CA*, **41**, 5898dg (*synth*)
Seydel, J. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 705; 1965, **15**, 1309 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13277.

Sulfadoxine, BAN, INN, USAN **S-00193**

*4-Amino-*N*-(5,6-dimethoxy-4-pyrimidinyl)-benzenesulfonamide,* 9CI. N′*-(5,6-Dimethoxy-4-pyrimidinyl)sulfanilamide,* 8CI. *Sulforthomidine. Sulphormethoxine. Fanasil. Fanzil. Other proprietary names*

[2447-57-6]



$C_{12}H_{14}N_4O_4S$ M 310.327
Antibacterial agent. Cryst. (EtOH aq.). Mp 190-194°.
▷DA9500000.

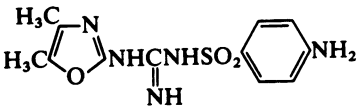
Bretschneider, H. *et al*, *Monatsh. Chem.*, 1965, **96**, 1661, 1677 (*synth*)
Zasosov, V.A. *et al*, *Khim.-Farm. Zh.*, 1972, **6**, 29 (*synth*)
Tien, R. *et al*, *J. Infect. Dis.*, 1973, **128**, 5498 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Mazus, M.D. *et al*, *Dokl. Akad. Nauk. SSSR*, 1985, **285**, 121 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2352.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4917.

Kapoor, U.K., *Anal. Profiles Drug Subst.*, 1988, **17**, 571 (*rev*)

Sulfaguanole, INN **S-00194**

N^1-[(*4,5-Dimethyl-2-oxazolyl*)*amidino*]*sulfanilamide*, *8CI. Enterocura. Asorec*

[27031-08-9]



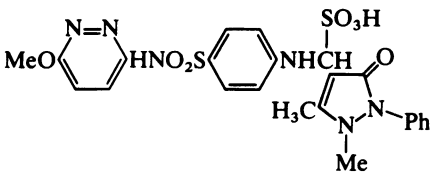
$C_{12}H_{15}N_5O_3S$ M 309.342

Antibacterial agent. Cryst. (MeOH aq.). Mp 228-230° (233-236°). pK_a 7.76.

U.S.P., 3 562 258, (*1971*); *CA*, **75**, 5878a (*synth*)
Kohlmann, F.W. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 172 (*pharmacol*)
Kuhne, J. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 178 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4940.

Sulfamazone, INN **S-00195**

[65761-24-2]



$C_{23}H_{24}N_6O_7S_2$ M 560.599

Antibacterial, antipyretic agent.

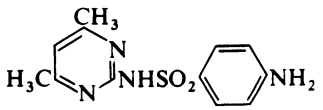
Na salt: [13061-27-3]. *Genpiral. Marespin. Sulfenazone.* Mp 163-166°.

B.P., 1 035 463, (*1966*); *CA*, **65**, 10595g (*synth, pharmacol*)

Sulfamethazine **S-00196**

*4-Amino-*N*-(2,6-dimethyl-2-pyrimidinyl)-benzenesulfonamide*, *9CI.* N′*-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide*, *8CI.* ***Sulfadimidine, INN.*** *Sulphadimidine,* BAN. *Numerous proprietary names*

[57-68-1]



$C_{12}H_{14}N_4O_2S$ M 278.328

Sulphonamide, used in treatment of systemic and urinary tract infections. Creamy-white powder, dec. on exposure to light. Cryst. (dioxan aq.). Sol. H_2O (increasing with pH). Mp 176°. Component of Trisulfapyrimidines, USAN.

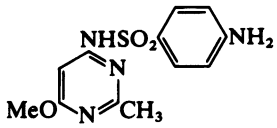
▷WO9275000.

Visconti, M. *et al*, *Helv. Chim. Acta*, 1962, **45**, 615 (*synth*)
Cambon, A. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 567 (*ms*)
McMahon, K.A. *et al*, *J. Pharm. Sci.*, 1972, **61**, 518 (*pharmacol*)
Turczan, J. *et al*, *J. Pharm. Sci.*, 1972, **61**, 434 (*pmr*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Papastephanou, C. *et al*, *Anal. Profiles Drug Subst.*, 1978, **7**, 401 (*rev, synth, metab*)
Haley, T.J., *Dangerous Prop. Ind. Mater. Rep.*, 1982, **2**, 5 (*rev*)
Tiwari, R.K. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 655 (*cryst struct*)
Maury, L. *et al*, *J. Pharm. Sci.*, 1985, **74**, 422 (*struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2343.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4933, 4934.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2452.

Sulfametomidine, INN **S-00197**

*4-Amino-*N*-(6-methoxy-2-methyl-4-pyrimidinyl)-benzenesulfonamide*, *9CI.* N^1*-(6-Methoxy-2-methyl-4-pyrimidinyl)sulfanilamide*, *8CI. Methofadine. Sulfamidine. Deposulf. Numerous proprietary names*

[3772-76-7]



$C_{12}H_{14}N_4O_3S$ M 294.328

Antibacterial agent (depot sulphonamide). Mp 172-174°.

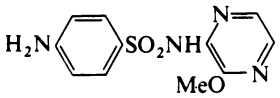
▷WP0110000.

B.P., 892 789, (*1962*); *CA*, **57**, 11212i (*synth, pharmacol*)
Padeiskaya, E.N. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 609 (*pharmacol, metab*)
Lee, S.C., *J. Chromatogr.*, 1974, **93**, 480 (*tlc*)
Nose, N. *et al*, *J. Chromatogr.*, 1976, **123**, 167 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2349 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13278.

Sulfametopyrazine, BAN, JAN **S-00198**

*4-Amino-*N*-(3-methoxypyrazinyl)benzenesulfonamide*, *9CI.* N′*-(3-Methoxypyrazinyl)sulfanilamide*, *8CI. 2-(4-Aminobenzenesulfonamido)-3-methoxypyrazine.* ***Sulfalene,*** *INN,* ***USAN.*** *Dalysep. Kelfizine. Longum. Polycidal.* AS *18908. FI 5978. NSC 110433. WR 4629*

[152-47-6]



$C_{11}H_{12}N_4O_3S$ M 280.301

Long-acting sulphonamide with antimalarial activity. Yellowish-white powder (EtOH). Mp 176°.

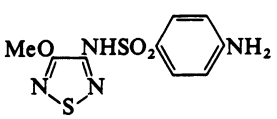
▷WP0175000.

Camerino, B. *et al*, *Gazz. Chim. Ital.*, 1960, **90**, 1815 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Launchbury, A.P., *Pharm. J.*, 1975, **214**, 14 (*pharmacol*)
Padeiskaya, E.N. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 141 (*rev, pharmacol*)
Botta, M. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 193 (*synth*)
Anisimova, O.S. *et al*, *Khim.-Farm. Zh.*, 1980, **14**, 92 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4920.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1788.

Sulfametrole, BAN, INN **S-00199**

*4-Amino-*N*-(4-methoxy-1,2,5-thiadiazol-3-yl)-benzenesulfonamide*, *9CI.* N^1*-(4-Methoxy-1,2,5-thiadiazol-3-yl)sulfanilamide. 3-(4-Aminobenzenesulfonamido)-4-methoxy-1,2,5-thiadiazole. ST 8005*

[32909-92-5]



$C_9H_{10}N_4O_3S_2$ M 286.323

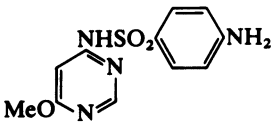
Antibacterial; used in combination with trimethoprim. Mp 149-150°. Component of Lidaprem, Lidaprimol, Maderan, Soluprim and Tiazoprim.

Austrian Pat., 294 081, (*1971*); *CA*, **76**, 14549s (*synth*)
Nabert-Bock, G. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1109 (*pharmacol*)
Koo, C.H. *et al*, *Bull. Korean Chem. Soc.*, 1982, **3**, 9 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4921.

Sulfamonomethoxime, USAN, INN **S-00200**

*4-Amino-*N*-(6-methoxy-4-pyrimidinyl)-benzenesulfonamide*, 9CI. N^1*-(6-Methoxy-4-pyrimidinyl)sulfanilamide*, 8CI. *Daimeton. DJ 1550. DS 36. ICI 32525. Ro 4-3476*

[1220-83-3]



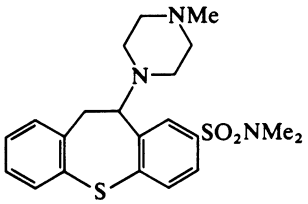
$C_{11}H_{12}N_4O_3S$ M 280.301
Antibacterial agent (depot sulphonamide). Mp 205°.
▷WP0550000.

Clarkson, R. *et al*, *Nature*, 1961, **192**, 523 (*pharmacol*)
Rieder, J., *Arzneim.-Forsch.*, 1963, **13**, 81 (*phys props, pharmacol*)
Tanaka, Y. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 399 (*ir*)
Zasosov, V.A. *et al*, *Khim.-Farm. Zh.*, 1974, **8**, 28 (*synth*)
Nose, N. *et al*, *J. Chromatogr.*, 1976, **123**, 167 (*glc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4922.

Sulfamothepin **S-00201**

*10,11-Dihydro-*N,N*-dimethyl-11-(4-methyl-1-piperazinyl)dibenzo*[b,f]*thiepin-2-sulfonamide*, 9CI. *VUFB 9056*

[16185-21-0]



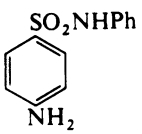
$C_{21}H_{27}N_3O_2S_2$ M 417.583
(±)-*form*
Neuroleptic agent. Cryst. (MeOH). Mp 162-163°.
B,MeSO$_3$H: [39841-98-0]. Cryst. + 1H$_2$O (EtOH/Et$_2$O). Mp 139-140°.

Sindelar, K. *et al*, *Collect. Czech. Chem. Commun.*, 1973, **38**, 2137 (*synth, pharmacol*)

Sulfanilanilide, 8CI **S-00202**

*4-Amino-*N*-phenylbenzenesulfonamide*, 9CI. ***Sulfabenz,*** *USAN,* ***INN****. NSC 2619*

[127-77-5]



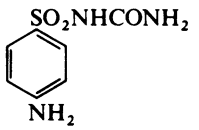
$C_{12}H_{12}N_2O_2S$ M 248.299
Veterinary antibacterial, coccidiostat. Needles (EtOH aq.). Mp 200°. pK_a 10.94 (50% EtOH aq.).

Mastryukova, T.A. *et al*, *Tetrahedron*, 1963, **19**, 357 (*synth*)
Yoshioka, M. *et al*, *Nippon Kagaku Zasshi*, 1963, **84**, 412 (*uv*)
Tanaka, Y. *et al*, *Chem. Pharm. Bull.*, 1965, **13**, 399 (*ir*)
Cammarata, A. *et al*, *J. Med. Chem.*, 1968, **11**, 204 (*pmr*)
Cavellier, J.F. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. D*, 1974, **278**, 1289 (*cryst struct*)
Carter, G.A. *et al*, *Pestic. Sci.*, 1975, **6**, 43 (*synth, pharmacol*)
Rastelli, A. *et al*, *J. Chem. Res. (S)*, 1977, 90 (*pmr, uv*)
Brown, C.J. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 844 (*cryst struct*)

Sulfanilylurea, 8CI **S-00203**

*4-Amino-*N*-(aminocarbonyl)benzenesulfonamide*, 9CI. *Sulphaurea,* BAN. ***Sulfacarbamide,*** ***INN****. Sulfanilcarbamide. Euvernil. Uractyl. Uramid. Urenil. Urosulfan*

[547-44-4]



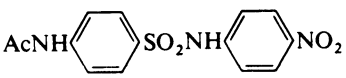
$C_7H_9N_3O_3S$ M 215.226
Antibacterial agent. Cryst. (H$_2$O). Mp 146-148° dec.
▷YU1940000.

Winnek, P.S. *et al*, *J. Am. Chem. Soc.*, 1942, **64**, 1682 (*synth*)
Das Gupta, S.J., *J. Indian Chem. Soc.*, 1961, **38**, 417 (*synth*)
Rastelli, A. *et al*, *Farmaco, Ed. Sci.*, 1974, **29**, 654 (*ir*)
Carter, G.A. *et al*, *Pestic. Sci.*, 1975, **6**, 43 (*pharmacol*)
Grechishkin, V.S. *et al*, *J. Mol. Struct.*, 1982, **83**, 345 (*nqr, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4956.

Sulfanitran, BAN, USAN, INN **S-00204**

N-*[4-[[(4-Nitrophenyl)amino]sulfonyl]phenyl]-acetamide*, 9CI. *4′-[(p-Nitrophenyl)sulfamoyl]-acetanilide*, 8CI. *APNPS. NSC 77120*

[122-16-7]



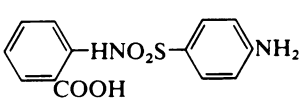
$C_{14}H_{13}N_3O_5S$ M 335.334
Antibacterial, coccidiostat for poultry. Cryst. (EtOH aq.). Mp 239-240°, 264°.

Shepherd, R.G., *J. Org. Chem.*, 1947, **12**, 275 (*synth, bibl*)
Baron, R.R. *et al*, *Poultry Sci.*, 1966, **45**, 411 (*pharmacol*)
Cammarata, A. *et al*, *J. Med. Chem.*, 1968, **11**, 204 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13279.

Sulfanthrol **S-00205**

N^1*-(o-Carboxyphenyl)sulfanilamide.* N*-Sulfanilylanthranilic acid*

[530-73-4]



$C_{13}H_{12}N_2O_4S$ M 292.309
Antibacterial agent. Mp 220-223°. Also used as Na salt.

Dykhanov, N.N. *et al*, *Zh. Prikl. Khim.*, 1959, **32**, 924; *CA*, **53**, 17035e (*synth*)
Mirzabekov, D.A. *et al*, *CA*, 1967, **67**, 31400t (*use*)
Toporina, A.N. *et al*, *CA*, 1967, **66**, 103916v (*pharmacol*)
Khizhnik, A.Z., *Farm. Zh.*, 1970, **25**, 47 (*tlc*)

Sulfaperin, INN **S-00206**

4-Amino-N-(5-methyl-2-pyrimidinyl)-benzenesulfonamide, 9CI. *N'-(5-Methyl-2-pyrimidinyl)-sulfanilamide,* 8CI. *Isosulfamerazine. Methylsulfadiazine. Numerous proprietary names*

[599-88-2]



$C_{11}H_{12}N_4O_2S$ M 264.301

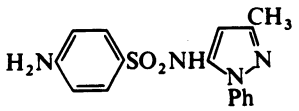
Antibacterial agent (depot sulphonamide). Mp 259-260°.

Horstmann, H. *et al, Arzneim.-Forsch.*, 1961, **11**, 682 (*synth, pharmacol*)
Spiteller, G. *et al, Monatsh.*, 1963, **90**, 964 (*ms*)
Salvi, G. *et al, Farmaco, Ed. Prat.*, 1964, **19**, 75 (*metab*)
Roeder, E. *et al, Fresenius' Z. Anal. Chem.*, 1973, **266**, 358 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1931 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13280.

Sulfapyrazole, BAN, INN **S-00207**

4-Amino-N-(3-methyl-1-phenyl-1H-pyrazol-5-yl)-benzenesulfonamide, 9CI. *N'-(3-Methyl-1-phenylpyrazol-5-yl)sulfanilamide,* 8CI. ***Sulfazamet, USAN.*** *Sulfamethylphenazole. Sulfa-Medivet. Vesulong. Ba 18605. Ciba 18605*

[852-19-7]



$C_{16}H_{16}N_4O_2S$ M 328.388

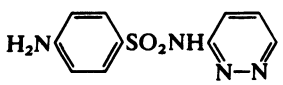
Antibacterial agent (often for veterinary use). Cryst. (EtOH). Mp 195° (181-182°).

Crippa, G. *et al, Gazz. Chim. Ital.*, 1955, **85**, 199 (*synth*)
Seydel, J. *et al, Arzneim.-Forsch.*, 1964, **14**, 1294 (*synth, pharmacol*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1971, **39**, 15 (*ir*)
Alberti, C. *et al, Farmaco, Ed. Sci.*, 1975, **30**, 20 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4923.

Sulfapyridazine **S-00208**

4-Amino-N-(3-pyridazinyl)benzenesulfonamide

[515-62-8]



$C_{10}H_{10}N_4O_2S$ M 250.275

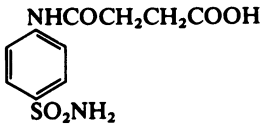
Mp 187-188°.

U.S.P., 2 790 798, (*1957*); *CA*, **51**, 15610 (*synth*)

Sulfasuccinamide, INN **S-00209**

4-[[4-(Aminosulfonyl)phenyl]amino]-4-oxobutanoic acid, 9CI. *4'-Sulfamoylsuccinanilic acid,* 8CI. *Succinylsulfanilamide*

[3563-14-2]



$C_{10}H_{12}N_2O_5S$ M 272.275

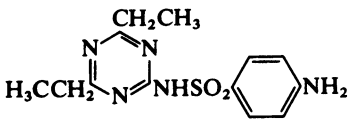
Antibacterial agent. Mp 220°.

Fr. Pat., 992 364, (*1951*); *CA*, **51**, 3663e (*synth, pharmacol*)
Kho, B.T. *et al, J. Pharm. Sci.*, 1963, **52**, 404 (*tlc*)

Sulfasymazine, INN **S-00210**

4-Amino-N-(4,6-diethyl-1,3,5-triazin-2-yl)-benzenesulfonamide, 9CI. *N'-(4,6-Diethyl-3-triazin-2-yl)sulfanilamide,* 8CI. *Prosul. Prosymasul. Symasul. Exsulf*

[1984-94-7]



$C_{13}H_{17}N_5O_2S$ M 307.370

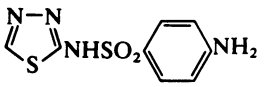
Antibacterial agent. Mp 190-190.5°.

B.P., 905 544, (*1962*); *CA*, **58**, 11382d (*synth, pharmacol*)
Taft, W.E. *et al, J. Med. Chem.*, 1965, **8**, 784 (*synth, pharmacol*)
Biagi, G.L. *et al, J. Chromatogr.*, 1975, **106**, 349 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4925.

Sulfathiadiazole **S-00211**

4-Amino-N-1,3,4-thiadiazol-2-ylbenzenesulfonamide, 9CI. *N'-(1,3,4-Thiadiazol-2-yl)sulfanilamide,* 8CI. *Sulfathiodiazole*

[16806-29-4]



$C_8H_8N_4O_2S_2$ M 256.297

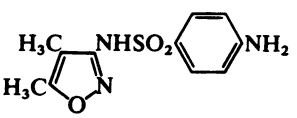
Antibacterial agent. Mp 216-218° dec.

Roblin, R.O. *et al, J. Am. Chem. Soc.*, 1940, **62**, 2002 (*synth*)
Foernzler, E.C. *et al, J. Pharm. Sci.*, 1967, **56**, 608,640 (*activity*)
Silipo, C. *et al, Farmaco, Ed. Sci.*, 1979, **34**, 858 (*pharmacol*)

Sulfatroxazole, BAN, INN, USAN **S-00212**

4-Amino-N-(4,5-dimethyl-3-isoxazolyl)-benzenesulfonamide, 9CI. *N'-(4,5-Dimethylisoxazol-3-yl)sulfanilamide,* 8CI

[23256-23-7]



$C_{11}H_{13}N_3O_3S$ M 267.302

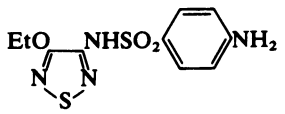
Sulphonamide, antibacterial agent.

Ger. Pat., 2 311 214, (*1973*); *CA*, **80**, 6932d (*pharmacol*)
Vree, T.B. *et al, Biopharm. Drug Dispos.*, 1986, **7**, 239 (*metab*)

Sulfatrozole, INN **S-00213**

4-Amino-N-(4-ethoxy-1,2,5-thiadiazol-3-yl)-benzenesulfonamide, 9CI. *N¹-(4-Ethoxy-1,2,5-thiadiazol-3-yl)sulfanilamide,* 8CI. *Imbresulf*

[13369-07-8]



$C_{10}H_{12}N_4O_3S_2$ M 300.350

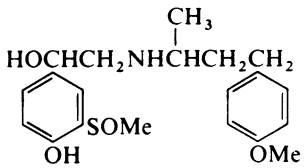
Antibacterial agent (depot sulphonamide). Mp 123.5-124.5°.

Belg. Pat., 629 551, (*1963*); *CA*, **60**, 15885e (*synth, pharmacol*)
Weinstock, L.M. *et al, J. Org. Chem.*, 1967, **32**, 2823 (*synth*)

Sulfinalol, INN **S-00214**

4-Hydroxy-α-[[[3-(4-methoxyphenyl)-1-methylpropyl]amino]methyl]-3-(methylsulfinyl)-benzenemethanol, 9CI

[66264-77-5]



$C_{20}H_{27}NO_4S$ M 377.498

Antihypertensive drug, β-adrenergic blocker.

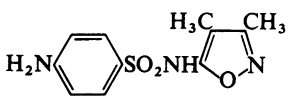
B,HCl: [63251-39-8]. *Sulfinalol hydrochloride,* USAN. *Perifadil. Win 40808-7.* Cryst. Mp 172-175°.

Ger. Pat., 2 728 641, (*1978*); *CA*, **90**, 137468m (*synth, pharmacol*)
Benziger, D.P. *et al, Drug Metab. Dispos.*, 1981, **9**, 493 (*metab*)
U.S.P., 4 374 149, (*1983*); *CA*, **99**, 38192 (*synth, salts*)

Sulfisoxazole, USAN **S-00215**

4-Amino-N-(3,4-dimethyl-5-isoxazolyl)-benzenesulfonamide, 9CI. *N′-(3,4-Dimethyl-5-isoxazolyl)sulfanilamide,* 8CI. **Sulphafurazole, BAN.** *Sulfafurazole,* INN. *Gantrisin. Soxomide. Numerous proprietary names*

[127-69-5]



$C_{11}H_{13}N_3O_3S$ M 267.302

Sulphonamide used for urinary tract infections. Yellowish-white prisms. Spar. sol. H_2O. Mp 195-198°.

▷WO9100000.

Diethanolamine salt (1:1): [4299-60-9]. *Sulfisoxazole diolamine,* USAN. *Dorsulfan. Gansol. Suladrin.* Cryst.

N-Ac: see Sulfisoxazole acetyl, S-00216

Hoeprich, P.D., *Antimicrob. Agents Chemother.*, 1967, 697 (*pharmacol*)
Manzo, R.H. *et al, J. Pharm. Sci.*, 1973, **62**, 152 (*uv*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 487 (*rev, synth*)
Chatterjee, C. *et al, Acta Crystallogr., Sect. B*, 1982, **38**, 1845 (*cryst struct*)
Bult, A., *Pharm. Weekbl., Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1971.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4936, 4937, 4938.

Sulfisoxazole acetyl, USAN **S-00216**

N-[(4-Aminophenyl)sulfonyl]-N-(3,4-dimethyl-5-isoxazolyl)acetamide, 9CI. *N-(3,4-Dimethyl-5-isoxazolyl)-N-sulfanilylacetamide,* 8CI. *Lipo Gantrisin. Entusiol. Entusul. Sulfoxol. Gautrisin. Renosulfan. Gautrosan. Soxisol. Acetyl sulphafurazole. Numerous proprietary names*

[80-74-0]

$C_{13}H_{15}N_3O_4S$ M 309.339

Antibacterial agent. Prisms (needles). Mp 194-195°.

Enoki, K. *et al, Yakugaku Zasshi*, 1968, **80**, 995 (*synth*)
Kram, T.C., *J. Pharm. Sci.*, 1972, **61**, 254 (*hplc*)
Turczan, J. *et al, J. Pharm. Sci.*, 1972, **61**, 434 (*nmr*)
Bloedow, D.C. *et al, J. Pharm. Sci.*, 1976, **65**, 334 (*metab*)
Nose, N. *et al, J. Chromatogr.*, 1976, **123**, 167 (*glc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2771 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4937.

4-Sulfobenzoic acid, 9CI **S-00217**

Benzoic acid p-*sulfonic acid*

[636-78-2]

$C_7H_6O_5S$ M 202.181

Cryst. + $3H_2O$. Mp 94°, 259-260° (anhyd.).

1-Me ester: [51307-73-4].
$C_8H_8O_5S$ M 216.208
Cryst. Mp 99-100°.

4-Me ester:
$C_8H_8O_5S$ M 216.208
Cryst. Mp 195-196°.

Di-Me ester:
$C_9H_{10}O_5S$ M 230.235
Cryst. Mp 88-90°.

4-Chloride, nitrile: [49584-26-1]. *4-Cyanobenzenesulfonyl chloride.*
$C_7H_4ClNO_2S$ M 201.627
Cryst. Mp 111-112°.

Dichloride: [7516-60-1].
$C_7H_4Cl_2O_3S$ M 239.073
Cryst. Mp 56-57°.

4-Amide: [138-41-0]. *4-(Aminosulfonyl)benzoic acid,* 9CI. p-*Sulfamoylbenzoic acid.* **Carzenide, INN.** *Dirnate.*
$C_7H_7NO_4S$ M 201.197
Carbonic anhydrase inhibitor, antiepileptic. Flat prisms (H_2O). Insol. H_2O, Et_2O, C_6H_6. Mp 280° dec.

▷DH6820000.

4-Dipropylamide: see Probenecid, P-00444

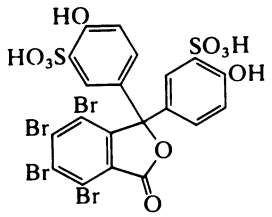
4-Isopropylamide: Prevents renal excretion of Penicillin. Cryst. Mp 209°.

Diamide: [6306-24-7].
$C_7H_8N_2O_3S$ M 200.212
Cryst. Mp 236°.

Remsen, A., *Justus Liebigs Ann. Chem.*, 1875, **178**, 288 (*synth*)
Maarse, J., *Recl. Trav. Chim. Pays-Bas*, 1914, **33**, 209 (*synth*)
Campaigne, E. *et al, J. Am. Chem. Soc.*, 1942, **64**, 3040 (*synth*)
Tanimukai, H. *et al, Biochem. Pharmacol.*, 1965, **14**, 961 (*pharmacol, amide*)
Haya, M. *et al, Yakugaku Zasshi*, 1966, **86**, 600 (*synth, amide*)
Ball, L.M. *et al, Xenobiotica*, 1978, **8**, 183 (*metab, Carzenide*)
Hamada, T. *et al, Synthesis*, 1986, 852 (*deriv, synth, pmr, ms*)

Sulfobromophthalein S-00218

3,3'-(4,5,6,7-Tetrabromo-3-oxo-1(3H)-isobenzofuranylidene)bis[6-hydroxybenzenesulfonic acid], 9CI. Bromsulfophthalein. Bromsulphalein



$C_{20}H_{10}Br_4O_{10}S_2$ M 794.029

Diagnostic aid used in liver function determination. Used as Di-Na salt.

▷Can induce an allergic reaction

Di-Na salt: [71-67-0]. *Bromsulfan. Bromthalein. Hepartest. Hepatestabrome. Hepatosulfalein. Hepatotestbrom. Sulphobromophthalein sodium, BAN.*

Hygroscopic cryst.

▷SM8395000.

Rosenthal, S.M. *et al, J. Pharmacol.*, 1924, **24**, 265 (*use*)
Jablonski, P. *et al, Adv. Clin. Chem.*, 1969, **12**, 309 (*rev, pharmacol, metab*)
DiGregorio, G.J., *Drill's Pharmacol. Med. 4th Ed.*, 1971, 1851 (*rev*)
Spech, H.J., *Med. Klin. (Munich)*, 1973, **68**, 705 (*props*)
Molino, G. *et al, Quant. Approaches Metab.*, 1982, 185 (*rev, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2151.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2482.

N-(2-Sulfoethyl)-glutamine, 9CI S-00219

*γ-Glutamyltaurine. Litoralon. **Glutaurine, INN***



$C_7H_{14}N_2O_6S$ M 254.257

(S)-form [56488-60-9]

L-form

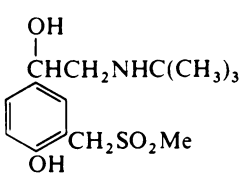
Isol. from mammalian parathyroid glands. Used for radiation protection and promotion of wound healing. Influences metab. of vitamin A, antagonizes the glucocorticoids and triiodothyronine. Mp 223-226°. $[\alpha]_D^{20}$ +14°.

Sebestyen, F. *et al, Int. J. Pept. Protein Res.*, 1980, **16**, 245 (*synth*)
Feuer, L., *Monogr. Physiol. Soc. Philadelphia*, 1981, **7**, 31 (*rev, props*)
Feuer, L., *Biologia (Budapest)*, 1983, **31**, 125 (*rev, props*)
Marnela, K.M. *et al, Int. J. Neurosci.*, 1984, **25**, 123 (*ms*)
Gulyas, J. *et al, Org. Prep. Proced. Int.*, 1987, **19**, 64 (*synth*)

Sulfonterol, INN S-00220

α-[[(1,1-Dimethylethyl)amino]methyl]-4-hydroxy-3-[(methylsulfonyl)methyl]benzenemethanol, 9CI

[42461-79-0]



$C_{14}H_{23}NO_4S$ M 301.400

Bronchodilator.

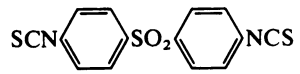
B,HCl: [42461-78-9]. *Sulfonterol hydrochloride, USAN. SKF 53705A.* Mp 227-228°.

Kaiser, C. *et al, J. Med. Chem.*, 1975, **18**, 674 (*synth, pharmacol*)

1,1'-Sulfonylbis[4-isothiocyanatobenzene], 9CI S-00221

*Isothiocyanic acid sulfonyldi-p-phenylene ester, 8CI. **Centsulphone***

[4430-49-3]



$C_{14}H_8N_2O_2S_3$ M 332.409

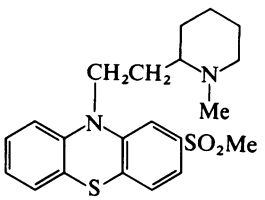
Anthelmintic. Mp 180° (169°).

Katiyar, J.C. *et al, Nature (London)*, 1967, **214**, 708 (*props*)
Saxena, R. *et al, Indian J. Pharm.*, 1967, **29**, 232 (*synth, props*)
Uher, M. *et al, Collect. Czech. Chem. Commun.*, 1969, **34**, 4005 (*uv, struct*)
Sharma, S. *et al, Indian J. Pharm.*, 1973, **35**, 13 (*synth, props*)

Sulforidazine, INN S-00222

10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylsulfonyl)-phenothiazine. Imagotan. Inofal. Inosulon. Psychoson. TPN-12

[14759-06-9]



$C_{21}H_{26}N_2O_2S_2$ M 402.569

▷SP1925000.

(±)-form

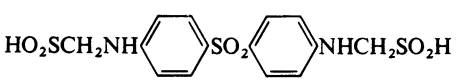
Neuroleptic agent, analgesic, tranquilliser. Cryst. (Me_2CO). Mp 121-123°.

Fr. Pat., 1 363 683, (*1964*); *CA*, **61**, 14687d (*synth, pharmacol*)
Kuhnert-Brandstaetter, M. *et al, Microchem. J.*, 1972, **17**, 639 (*props*)
Lindner, W. *et al, J. Chromatogr.*, 1975, **111**, 365 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7106.

Sulfoxone S-00223

[Sulfonylbis(4,1-phenyleneimino)]bismethanesulfinic acid, 9CI

[144-76-3]



$C_{14}H_{16}N_2O_6S_3$ M 404.470

Antibacterial; antileprotic.

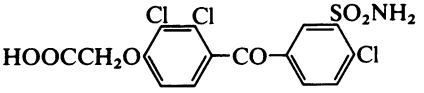
Di-Na salt: [144-75-2]. *Aldesulfone sodium, INN. Sulfoxone sodium, USAN. Diazone. Enterab. Novotrone. Diasone.* Fine needles. Mp 263-265° dec.

Bauer, H., *J. Am. Chem. Soc.*, 1939, **61**, 617 (*synth, pharmacol*)
Morales, A.M., *CA*, 1955, **49**, 209 (*synth*)
Raman, S.P. *et al, CA*, 1956, **50**, 12880 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6562.

Sulicrinat, INN **S-00224**

[4-[3-(Aminosulfonyl)-4-chlorobenzoyl]-2,3-dichlorophenoxy]acetic acid, 9CI. Hoechst 428

[90207-12-8]



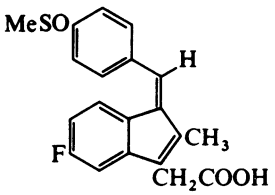
$C_{15}H_{10}Cl_3NO_6S$ M 438.666

Diuretic. Leaflets (AcOH aq.). Mp 184-186°.

Ger. Pat., 3 232 922, (*1984*); *CA*, **101**, 23133p (*synth*)
Hropot, M. *et al*, *Magnesium-Bull.*, 1985, **7**, 20 (*pharmacol*)

Sulindac, BAN, USAN, INN, JAN **S-00225**

5-Fluoro-2-methyl-1-[[4-(methylsulfinyl)phenyl]-methylene]-1H-indene-3-acetic acid, 9CI. Clinoril. Numerous proprietary names



$C_{20}H_{17}FO_3S$ M 356.411

▷NK8226000.

(E)-form [61812-46-2]

Cryst. (MeOH aq.). Mp 178-181°.

(Z)-form [38194-50-2]

Antiinflammatory, analgesic, antipyretic. Yellow cryst. (EtOH). Sol. dil. acids, alkalis. Mp 187-188° dec. pK_a 4.5. Mod. unstable in air. The pharmacol. prod. is probably the (*Z*)-form.

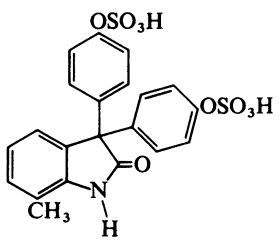
▷NK8226000.

U.S.P., 3 692 651, (*1972*); *CA*, **77**, 151742j (*synth*)
Shuman, R.F. *et al*, *J. Org. Chem.*, 1977, **42**, 1914 (*synth*)
Brogden, R.N. *et al*, *Drugs*, 1978, **16**, 97 (*rev, pharmacol*)
Douglas, A.W., *Can. J. Chem.*, 1978, **56**, 2129 (*cmr*)
Plakogiannis, F.M. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 573 (*rev, synth, metab, anal*)
Koo, C.H. *et al*, *CA*, 1986, **104**, 87860 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5570.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2706.

Sulisatin, INN **S-00226**

1,3-Dihydro-7-methyl-3,3-bis[4-(sulfooxy)phenyl]-2H-indol-2-one, 9CI. 3,3-Bis(p-hydroxyphenyl)-7-methyl-2-indolinone bis(hydrogen sulfate). Laxitex. DAN 603

[54935-03-4]



$C_{21}H_{17}NO_9S_2$ M 491.487

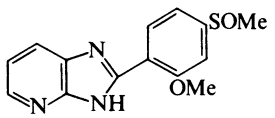
Laxative. Cryst. Mp >360°. Used as Di-Na salt.

Garrido, F. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 143 (*synth, pharmacol*)
Ibanez-Catalan, J. *et al*, *An. Quim.*, 1976, **72**, 571.
Garrido, F., *Drugs of Today*, 1977, **13**, 327 (*rev*)
Moreto, M. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1561 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13283.

Sulmazole, INN **S-00227**

2-[2-Methoxy-4-(methylsulfinyl)phenyl]-1H-imidazo[4,5-b]pyridine, 9CI. Vardax. AR-L 115BS

[73384-60-8]



$C_{14}H_{13}N_3O_2S$ M 287.336

Positive inotropic agent. Mp 203-205°.

▷NJ5749500.

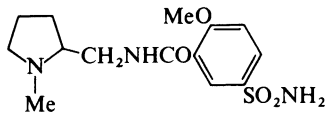
S-Deoxo: 2-[(2-Methoxy-4-methylthio)phenyl]-1H-imidazo[4,5-b]pyridine. AR-L 113BS.
$C_{14}H_{13}N_3OS$ M 271.336
Metabolite of Sulmazole.

Ger. Pat., 2 305 339, (*1974*); *CA*, **82**, 4251 (*synth*)
Kutter, E. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 135 (*pharmacol, metab, props, numerous papers*)
Koch, H., *Pharm. Int.*, 1982, **3**, 5 (*pharmacol*)
Luger, P. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1937 (*cryst struct, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12392.

Sulmepride, INN **S-00228**

5-(Aminosulfonyl)-2-methoxy-N-[(1-methyl-2-pyrrolidinyl)methyl]benzamide, 9CI. N-[(1-Methyl-2-pyrrolidinyl)methyl]-5-sulfamoyl-o-anisamide. Sociam. TER 1546

[57479-88-6]



$C_{14}H_{21}N_3O_4S$ M 327.398

(±)-form

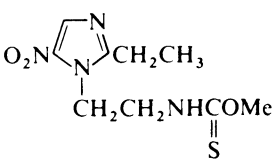
Antidepressant. Cryst. (methylcellosolve aq.). Mp 209-210°.

Ger. Pat., 2 414 498, (*1975*); *CA*, **84**, 4696p (*synth*)
Puech, A.J. *et al*, *Eur. J. Pharmacol.*, 1978, **50**, 291 (*props*)

Sulnidazole, USAN, INN **S-00229**

[2-(2-Ethyl-5-nitro-1H-imidazol-1-yl)ethyl]-O-methylcarbamothioate, 9CI. R 26412

[51022-76-5]



$C_9H_{14}N_4O_3S$ M 258.295

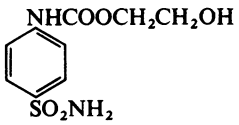
Antiprotozoal agent. Cryst. (2-propanol). Mp 134.9°.

U.S.P., 3 928 374, (*1975*); *CA*, **82**, 156309n (*synth, pharmacol*)
Germain, G. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 2269 (*cryst struct*)

Sulocarbilate, INN **S-00230**

2-Hydroxyethyl p-*sulfamoylcarbanilate. W 1548-1*

[121-64-2]



$C_9H_{12}N_2O_5S$ M 260.264

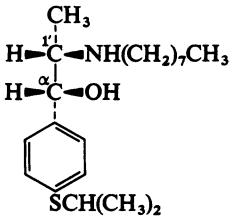
Diuretic, carbonic anhydrase inhibitor. Cryst. (H_2O).

Rochelle, J.B. *et al, Texas State J. Med.*, 1958, **54**, 252 (*pharmacol*)
U.S.P., 2 967 130, (*1961*); *CA*, **55**, 22721c (*synth, pharmacol*)
U.S.P., 3 002 982, (*1961*); *CA*, **56**, 4681c (*synth*)

Suloctidil, BAN, USAN, INN **S-00231**

4-[(1-Methylethyl)thio]-α-[1-(octylamino)ethyl]-benzenemethanol, 9CI. *1-[4-(Isopropylthio)phenyl]-2-octylamino-1-propanol. Other proprietary names*

[54063-56-8]



$C_{20}H_{35}NOS$ M 337.563

(αRS,1'SR)-form [54767-75-8]

(±)-erythro-*form*

Peripheral vasodilator, also used to increase cerebral blood flow. Cryst. (pentane or MeOH aq.). Mp 62-63°.

▷DO8910000.

U.S.P., 4 228 187, (*1980*); *CA*, **94**, 103002 (*synth, pharmacol*)
Roba, J. *et al, New Cardiovasc. Drugs*, 1986, 185 (*rev, pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5994.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9278.

Sulodexide, INN **S-00232**

Glucurono-2-amino-2-deoxyglucan sulfate. Provenal. Vessel

[57821-29-1]

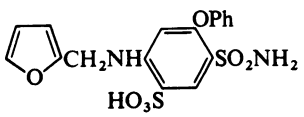
Hypolipidaemic agent.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13285.

Sulosemide, INN **S-00233**

5-(Aminosulfonyl)-2-[(2-furanylmethyl)amino]-4-phenoxybenzenesulfonic acid, 9CI. *2-(Furfurylamino)-4-phenoxy-5-sulfamoylbenzenesulfonic acid*

[82666-62-4]



$C_{17}H_{16}N_2O_7S_2$ M 424.443

Diuretic. Used as salts.

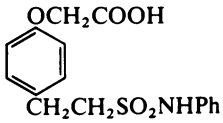
NH_4 salt: [82749-81-3]. Cryst. (EtOAc). Mp 190° dec.
Na salt: [69156-06-5]. Cryst. (EtOH aq.). Mp 242° dec.

Sturm, K. *et al, J. Med. Chem.*, 1983, **26**, 1174 (*synth, pharmacol*)

Sulotroban, INN **S-00234**

[4-[2-[(Phenylsulfonyl)amino]ethyl]phenoxy]acetic acid, 9CI. *BM 13177*

[72131-33-0]



$C_{16}H_{17}NO_5S$ M 335.374

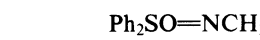
Antithrombotic agent. Cryst. (toluene). Mp 119-120°.

Ger. Pat., 2 809 377, (*1979*); *CA*, **92**, 6247g (*synth*)
Stegmeier, K. *et al, Thromb. Res.*, 1984, **35**, 379; 1987, **48**, 577 (*pharmacol*)
Koch, H *et al, Pharm. Int.*, 1985, **6**, 245 (*pharmacol*)
Van der Giessen, W.J. *et al, Eur. J. Pharmacol.*, 1988, **147**, 241 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18855.

Suloxifen, INN **S-00235**

N-[*2-(Diethylamino)ethyl*]-S,S-*diphenylsulfoximine,* 9CI, 8CI

[25827-12-7]



$C_{18}H_{24}N_2OS$ M 316.460

Bronchodilator. $Bp_{0.05}$ 170-175°.

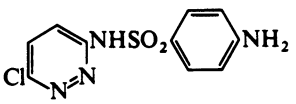
Oxalate: [25827-13-8]. *Suloxifen oxalate,* USAN. *Gö 1733. W 6439*A. Mp 109-110°.

Satzinger, G. *et al, Arzneim.-Forsch.*, 1970, **20**, 1214 (*synth, pharmacol*)
Liedtke, B. *et al, J. Labelled Compd. Radiopharm.*, 1978, **14**, 825 (*C-14*)

Sulphachlorpyridazine, BAN **S-00236**

4-Amino-N-(6-chloro-3-pyridazinyl)-benzenesulfonamide, 9CI. *N'-(6-Chloro-3-pyridazinyl)-sulfanilamide,* 8CI. ***Sulfachlorpyridazine, INN***. *Vetisulide. Nefrosul. Sonilyn. Other proprietary names*

[80-32-0]



$C_{10}H_9ClN_4O_2S$ M 284.720

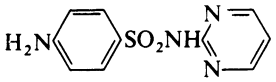
Veterinary antibacterial agent.

U.S.P., 2 790 798, (*1957*); *CA*, **51**, 15610i (*synth, pharmacol*)
Horie, T. *et al, Chem. Pharm. Bull.*, 1962, **10**, 580 (*synth*)
Krueger-Theimer, E. *et al, Arzneim.-Forsch.*, 1965, **15**, 1309 (*pharmacol*)
Turczan, J. *et al, J. Pharm. Sci.*, 1972, **61**, 434 (*nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1430.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4929.

Sulphadiazine, BAN S-00237

4-Amino-N-2-pyrimidinylbenzenesulfonamide, 9CI. N'-2-Pyrimidinylsulfanilamide, 8CI. 2-(4-Aminobenzenesulfonamido)pyrimidine. ***Sulfadiazine, INN.*** *Coco-Diazine. Cremodiazine. Eskadiazine. Numerous proprietary names*

[68-35-9]



$C_{10}H_{10}N_4O_2S$ M 250.275

Antibacterial. Yellowish-white or pinkish-white powder, darkens on exp. to light. Spar. sol. hot H_2O. Mp 255-256° dec. Component of Trisulfapyrimidines, USAN.

▷WP1925000.

Na salt: [547-32-0]. *Solu-Diazine. Sulfadiazine sodium, INN, USAN.* Yellowish-white powder, darkens on exp. to light, absorbs CO_2. V. sol. H_2O.

▷WP2000000.

Ag salt: [22199-08-2]. *Silver sulfadiazine, USAN. Sulfadiazine silver, JAN. Silvadene. Flamazine.*

$C_{10}H_9AgN_4O_2S$ M 357.135

Antibacterial agent used in treatment of burns.

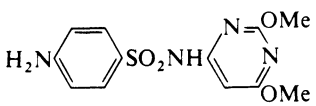
▷WP1950000.

Roblin, R.O., *J. Am. Chem. Soc.*, 1940, **62**, 2002 (*synth*)
Fox, C.L., *Arch. Surg.*, 1968, **96**, 184 (*silver salt*)
Bass, A.D., *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 1657 (*rev, pharmacol*)
Chang, C.J. *et al*, *J. Med. Chem.*, 1975, **18**, 505 (*pmr*)
Kracmar, J. *et al*, *Pharmazie*, 1975, 30, 447 (*uv*)
Przybylski, M. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 309 (*ms*)
Cai, E., *CA*, 1982, **96**, 57702 (*synth*)
Stober, H. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 523; 1984, **13**, 553 (*rev, synth, pharmacol, anal*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Joshi, V.V. *et al*, *Indian J. Phys., Part A*, 1983, **57**, 79 (*cryst struct*)
Sigel, C.W., *Handb. Exp. Pharmacol.*, 1983, **64**, 163 (*rev, metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1477.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4913, 4930, 4931.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1958.

Sulphadimethoxine, BAN S-00238

4-Amino-N-(2,6-dimethoxy-4-pyrimidinyl)-benzenesulfonamide, 9CI. N'-(2,6-Dimethoxy-4-pyrimidinyl)sulfanilamide, 8CI. 4-p-Aminobenzenesulfonamido-2,6-dimethoxypyrimidine. ***Sulfadimethoxine, INN.*** *Albon. Agribon. Madribon. Numerous proprietary names*

[122-11-2]



$C_{12}H_{14}N_4O_4S$ M 310.327

Long acting sulphonamide, antibacterial agent. Cryst. (EtOH aq.). Mp 201-203°.

▷WO9030000.

N^4-Ac:

$C_{14}H_{16}N_4O_5S$ M 352.364

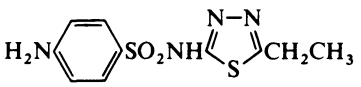
Antibacterial. Spar. sol. H_2O. Mp 220-223°.

Bretschneider, H. *et al*, *Monatsh. Chem.*, 1956, **87**, 136; 1961, **92**, 128 (*synth*)
Shepherd, R.G. *et al*, *J. Org. Chem.*, 1961, **26**, 2764 (*synth*)
Boehni, E. *et al*, *Chemotherapy (Basel)*, 1969, **14**, 195 (*pharmacol*)
Edwards, D., *J. Pharm. Pharmacol.*, 1971, **23**, 956 (*ir*)
Okui, K. *et al*, *J. Heterocycl. Chem.*, 1972, **9**, 821 (*synth*)
Shefter, E. *et al*, *J. Pharm. Sci.*, 1972, **61**, 872 (*pharmacol*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Narula, P. *et al*, *Indian J. Phys., Part A*, 1987, **61**, 132 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2351.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4932.

Sulphaethidole, BAN S-00239

4-Amino-N-(5-ethyl-1,3,4-thiadiazol-2-yl)-benzenesulfonamide, 9CI. 5-Ethyl-2-sulfonamido-1,3,4-thiadiazole. N'-(5-Ethyl-1,3,4-thiadiazol-2-yl)-sulfanilamide. ***Sulfaethidole, INN.*** *Ethasol. Numerous proprietary names*

[94-19-9]



$C_{10}H_{12}N_4O_2S_2$ M 284.350

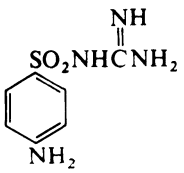
Antibacterial agent. Spar. sol. Et_2O, $CHCl_3$, C_6H_6. Mp 185.5-186°.

Wojahn, H., *Arch. Pharm. (Weinheim, Ger.)*, 1951, **284**, 53 (*synth*)
Nikulina, T. *et al*, *Khim. Farm. Zh.*, 1971, **5**, 32 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1546.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4935.

Sulphaguanidine, BAN S-00240

4-Amino-N-(aminoiminomethyl)benzenesulfonamide, 9CI. N'-Amidinosulfanilamide, 8CI. ***Sulfaguanidine, INN.*** *Numerous proprietary names*

[57-67-0]



$C_7H_{10}N_4O_2S$ M 214.242

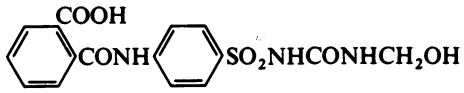
Antibacterial agent. Needles + $1H_2O$. Mp 190-193° (anhydr.).

▷WO8575000.

U.S.P., 2 233 569, (*1941*); *CA*, **35**, 3650 (*synth*)
B.P., 551 524, (*1943*); *CA*, **38**, 2346 (*synth*)
Northey, E.H., *ACS Monogr.*, 1948, No. 106.
Bieber, T.I. *et al*, *J. Org. Chem.*, 1956, **21**, 1198 (*synth*)
Rabinovitch, M.S. *et al*, *CA*, 1960, **54**, 6612 (*synth*)
Nesteruk-Szulkompek, D., *CA*, 1961, **55**, 22204 (*synth*)
Sullivan, G.R. *et al*, *J. Org. Chem.*, 1977, **42**, 1095 (*N-15 nmr, struct*)
Kalman, A. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 868 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 733.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4939.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 184.

Sulphaloxic acid, BAN S-00241

4'-[[(Hydroxymethyl)carbamoyl]sulfamoyl]-phthalanilic acid, 8CI. ***Sulfaloxic acid, INN.*** *Sulphaloxate*



$C_{16}H_{15}N_3O_7S$ M 393.370

Antibacterial (intestinal). Cryst. Mp 160-165°.

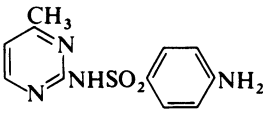
Ca salt: [14376-16-0]. *Calcium sulphaloxate. Enteromide. Intestin-Euvernil.*

Ger. Pat., 960 190, (*1959*); *CA*, **53**, 6547 (*synth*)
Freytag, B. *et al*, *Arzneim.-Forsch.*, 1960, **10**, 165 (*pharmacol*)
Funk, K.F. *et al*, *Pharmazie*, 1970, **25**, 554 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4901.

Sulphamerazine, BAN S-00242

4-Amino-N-(4-methyl-2-pyrimidinyl)-benzenesulfonamide, 9CI. *N'-(4-Methyl-2-pyrimidinyl)-sulfanilamide, 8CI.* *N-2-(4-Methylpyrimidyl)-sulfanilamide. 2-Sulfanilamido-4-methylpyrimidine. 4-Methylsulfadiazine.* ***Sulfamerazine, INN.*** *Sulfamethyldiazine. Numerous proprietary names*

[127-79-7]



$C_{11}H_{12}N_4O_2S$ M 264.301

Sulphonamide. Cream-coloured powder, darkens on exposure to light. Spar. sol. H_2O. Mp 237° dec. Generally used in conjunction with other sulphonamides (Trisulfapyrimidines, USAN).

▷WP0750000.

Na salt: [127-58-2]. *Sulfamerazine sodium, INN.*
$C_{11}H_{11}N_4NaO_2S$ M 286.283
Cryst.

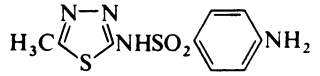
▷WP0760000.

Roblin, R.O. *et al*, *J. Am. Chem. Soc.*, 1940, **62**, 2002 (*synth*)
Sprague, J.M. *et al*, *J. Am. Chem. Soc.*, 1941, **63**, 3028 (*synth*)
Moriguchi, I. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 2554 (*pharmacol*)
Pogorzhel'skaya, N.A. *et al*, *Zh. Org. Khim.*, 1969, **5**, 1179 (*synth*)
Chang, C.J. *et al*, *J. Med. Chem.*, 1975, **18**, 505 (*nmr*)
Przybylski, M. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 309 (*ms*)
Woolfenden, R.D.G., *Anal. Profiles Drug Subst.*, 1977, **6**, 515 (*rev, synth, props, anal*)
Acharya, K.R. *et al*, *J. Crystallogr. Spectrosc. Res.*, 1982, **12**, 369 (*cryst struct*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Maury, L. *et al*, *Farmaco, Ed. Prat.*, 1986, **41**, 26 (*ir, uv, raman*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1930.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4918, 4919.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 232.

Sulphamethizole, BAN S-00243

4-Amino-N-(5-methyl-1,3,4-thiadiazol-2-yl)-benzenesulfonamide, 9CI. *N'-(5-Methyl-1,3,4-thiadiazol-2-yl)sulfanilamide, 8CI. 2-p-Aminobenzenesulfonamido-5-methyl-1,3,4-thiadiazole.* ***Sulfamethizole, INN.*** *Thiosulfil. Ultrasul. Numerous proprietary names*

[144-82-1]



$C_9H_{10}N_4O_2S_2$ M 270.324

Sulphonamide used in treatment of urinary tract infections. Cryst. (H_2O). Spar. sol. hot H_2O. Mp 208-211°. pK_a 5.45.

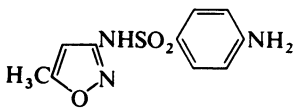
▷WP0875000.

U.S.P., 2 447 702, (*1948*)
Wojahn, H. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1951, **284**, 53 (*synth*)
Scudi, J.V. *et al*, *J. Org. Chem.*, 1958, **23**, 67 (*pharmacol*)
Edwards, D., *J. Pharm. Pharmacol.*, 1971, **23**, 956 (*ir*)
Krueger, G.J. *et al*, *Acta Crystallogr., Sect. B*, 1971, **27**, 272 (*cryst struct*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1176.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4941.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1933.

Sulphamethoxazole, BAN S-00244

4-Amino-N-(5-methyl-3-isoxazolyl)-benzenesulfonamide, 9CI. *N'-(5-Methyl-3-isoxazolyl)-sulfanilamide, 8CI. 3-(4-Aminobenzenesulfonamido)-5-methylisoxazole.* ***Sulfamethoxazole,*** *USAN,* ***INN.*** *Gantanol. Other proprietary names*

[723-46-6]



$C_{10}H_{11}N_3O_3S$ M 253.275

Sulphonamide, used in treatment of respiratory and urinary tract infections. Yellowish-white powder. Insol. Et_2O. Mp 169-173°. Component of Cotrimoxazole.

▷WP0700000.

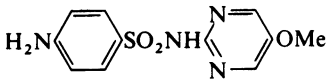
N'-Ac: [18607-98-2]. ***Acetylsulfamethoxazole.*** *Acetylsulfisomezole. Sinomin-acetyl.*
$C_{12}H_{13}N_3O_4S$ M 295.312
Antibacterial. Mp 183-184°.

Fujimoto, M. *et al*, *Chem. Pharm. Bull.*, 1962, **10**, 572 (*deriv*)
Iwai, I. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 1277 (*synth*)
Brumfitt, W. *et al*, *J. Infec. Dis.*, 1973, **128**, 5778 (*rev, pharmacol*)
Manzo, R.H. *et al*, *J. Pharm. Sci.*, 1973, **62**, 152 (*uv*)
Rudy, B.C. *et al*, *Anal. Profiles Drug Subst.*, 1973, **2**, 467 (*rev, synth, props*)
Wormser, G.P. *et al*, *Drugs*, 1982, **24**, 459 (*rev, Cotrimoxazole*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Bushby, S.R.M. *et al*, *Handb. Exp. Pharmacol.*, 1983, **64**, 75, 163, 185 (*revs*)
Maury, L. *et al*, *Can. J. Chem.*, 1985, **63**, 3012 (*cryst struct, ir, raman*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1514, 3212.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4942.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1866, 2656.

Sulphamethoxydiazine, BAN S-00245

4-Amino-N-(5-methoxy-2-pyrimidinyl)-benzenesulfonamide, 9CI. N′-*(5-Methoxy-2-pyrimidinyl)sulfanilamide, 8CI.* ***Sulfameter, USAN.*** *Sulfametoxydiazine, INN. Durenate. Other proprietary names*

[651-06-9]



$C_{11}H_{12}N_4O_3S$ M 280.301

Long-acting sulphonamide. Yellowish-white powder. Spar. sol. EtOH, H_2O, Et_2O. Mp 214-216°.

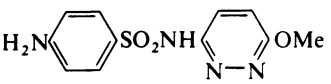
▷WP0525000.

Horstmann, H. *et al, Arzneim.-Forsch.*, 1961, **11**, 682 (*synth, pharmacol*)
Budesinky, Z. *et al, Collect. Czech. Chem. Commun.*, 1964, **29**, 2980 (*synth*)
Boehne, E. *et al, Chemotherapy*, 1969, **14**, 195 (*pharmacol*)
Cambon, A. *et al, Bull. Soc. Chim. Fr.*, 1970, 567 (*ms*)
Moustala, M. *et al, J. Pharm. Pharmacol.*, 1971, **23**, 868 (*cryst struct*)
Oster, K.A., *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 131 (*pharmacol*)
Baloescu, C., *Farmacia (Bucharest)*, 1972, **20**, 151 (*ir*)
Kracmar, J. *et al, Pharmazie*, 1975, **30**, 447 (*uv*)
Giuseppetti, G. *et al, Cryst. Struct. Commun.*, 1977, **6**, 263 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1933.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4943.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1788.

Sulphamethoxypyridazine, BAN S-00246

4-Amino-N-(6-methoxy-3-pyridazinyl)-benzenesulfonamide, 9CI. N′-*(6-Methoxy-3-pyridazinyl)sulfanilamide, 8CI.* ***Sulfamethoxypyridazine, INN.*** *Kynex. Midicel. Lederkyn. Numerous proprietary names*

[80-35-3]



$C_{11}H_{12}N_4O_3S$ M 280.301

Long-acting sulphonamide used for treatment of systemic infections. Yellowish-white powder. Insol. Et_2O, spar. sol. H_2O. Mp 182-183°. pK_a 6.7.

▷WP0400000.

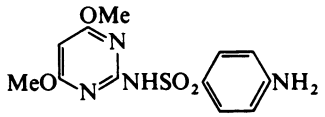
N′-Ac: [3568-43-2]. N-[*(4-Aminophenyl)sulfonyl*]-N-*(6-methoxy-3-pyridazinyl)acetamide, 9CI.* ***Acetylsulfamethoxypyridazine.*** *Other proprietary names.*
$C_{13}H_{14}N_4O_4S$ M 322.338
Antibacterial agent. Dec. at 186-187°.

U.S.P., 2 833 761, (*1958*); *CA*, **52**, 20216 (*deriv*)
Horie, T. *et al, Chem. Pharm. Bull.*, 1962, **10**, 580 (*synth*)
Böhni, E. *et al, Chemotherapy*, 1969, **14**, 195 (*pharmacol*)
Edwards, D., *J. Pharm. Pharmacol.*, 1971, **23**, 956 (*ir*)
Turzcan, J. *et al, J. Pharm. Sci.*, 1972, **61**, 434 (*pmr*)
Kracmar, J. *et al, Pharmazie*, 1975, **30**, 447 (*uv*)
Grechishkin, V.S. *et al, J. Mol. Struct.*, 1982, **83**, 345 (*nqr, nmr*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr*)
Basak, A.K. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 735 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1932, 2752.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4944, 4945.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 225.

Sulphamoprine, BAN S-00247

4-Amino-N-(4,6-dimethoxy-2-pyrimidinyl)-benzenesulfonamide, 9CI. N′-*(4,6-Dimethoxy-2-pyrimidinyl)sulfanilamide, 8CI. Sulfamoprine*

[155-91-9]



$C_{12}H_{14}N_4O_4S$ M 310.327

Antibacterial agent. Mp 170-175°.

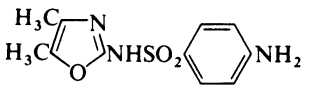
▷DA9495000.

Horstmann, H. *et al, Arzneim.-Forsch.*, 1961, **11**, 682 (*synth, pharmacol*)
Budesinsky, Z. *et al, Pharmacotherapeutica*, 1963, 129 (*pharmacol*)
Bretschneider, H. *et al, Monatsh. Chem.*, 1964, **95**, 207 (*synth*)

Sulphamoxole, BAN S-00248

4-Amino-N-(4,5-dimethyl-2-oxazolyl)-benzenesulfonamide, 9CI. N′-*(4,5-Dimethyl-2-oxazolyl)sulfanilamide, 8CI. 2-(4-Aminobenzenesulfonamido)-4,5-dimethyloxazole.* ***Sulfamoxole,*** *USAN,* ***INN.*** *Nuprin. U 18396. Other proprietary names*

[729-99-7]



$C_{11}H_{13}N_3O_3S$ M 267.302

Sulphonamide, used for treatment of respiratory and urinary tract infections. Mp 193-194°.

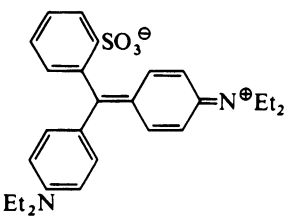
▷WO9150000.

Wolf, V. *et al, Chem. Ber.*, 1962, **95**, 2419 (*synth*)
Kuhnert-Brandstaetter, M. *et al, Sci. Pharm.*, 1971, **39**, 15 (*ir*)
Knothe, H., *Chemotherapy (Basel)*, 1976, **22**, 65 (*pharmacol*)
Haridas, M. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 658 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1969.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4946.

Sulphan blue, BAN S-00249

N-[*4-[[4-(Diethylamino)phenyl](2,4-disulfophenyl)-methylene]-2,5-cyclohexadien-1-ylidene]-N-ethylethanaminium, 9CI. [4-[α-[p-(Diethylamino)phenyl]-2,4-disulfobenzylidene]-2,5-cyclohexadien-1-ylidene]-diethylammonium, 8CI. Blue* VRS. *Disulfine Blue* VNS. *C.I. Acid Blue 1. C.I. Food Blue 3. Alphazurine 2G. Sulfan blue*

[116-95-0]



$C_{27}H_{32}N_2O_6S_2$ M 544.680

Cardiovascular investigative dye, freq. used as Na or Al salt.

Na salt: [129-17-9]. Violet powder. V. sol. H_2O, sol. EtOH.

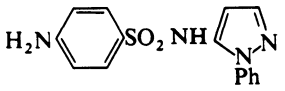
▷BP6830000.

Holmes, W.C., *Ind. Eng. Chem.*, 1923, **15**, 833 (*uv*)
Gangolli, S.D. *et al*, *Food Cosmet. Toxicol.*, 1972, **10**, 449 (*pharmacol*)
McEwen, C.N. *et al*, *Anal. Chem.*, 1977, **49**, 922 (*ms*)
Newton, D.W. *et al*, *J. Pharm. Sci.*, 1981, **70**, 122 (*props*)
Colour Index, No. 42045.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2150.

Sulphaphenazole, BAN S-00250

4-Amino-N-(1-phenyl-1H-pyrazol-5-yl)-benzenesulfonamide, *9CI*. *N'-(1-Phenylpyrazol-5-yl)-sulfanilamide*, *8CI*. ***Sulfaphenazole, INN***. *Orisulf. Numerous proprietary names*

[526-08-9]



$C_{15}H_{14}N_4O_2S$ M 314.361

Sulphonamide with high activity against streptococci. Cryst. (EtOH). Spar. sol. H_2O, EtOH, Et_2O. Mp 179-183°.

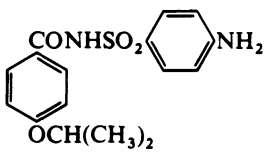
▷DA9520000.

Schmidt, P. *et al*, *Helv. Chim. Acta*, 1958, **41**, 306 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1966, **21**, 460 (*uv*)
Alberti, C. *et al*, *Farmaco, Ed. Sci.*, 1967, **22**, 58 (*synth*)
Moriguchi, I. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 2554 (*pharmacol*)
Patel, H.C. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1131 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3501.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4948.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 193.

Sulphaproxyline, BAN S-00251

N-[(4-Aminophenyl)sulfonyl]-4-(1-methylethoxy)-benzamide, *9CI*. *p-Isopropoxy-N-sulfanilylbenzamide*, *8CI*. ***Sulfaproxyline, INN***. *G 14289*

[116-42-7]



$C_{16}H_{18}N_2O_4S$ M 334.389

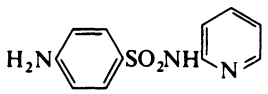
Antibacterial agent. Mp 172-173°.

U.S.P., 2 545 764, (*1951*); *CA*, **45**, 7144h (*synth*)
Seydel, T. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 705 (*pharmacol, props*)
Basak, A.K. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 419 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13286.

Sulphapyridine, BAN S-00252

4-Amino-N-2-pyridinylbenzenesulfonamide, *9CI*. *N'-2-Pyridylsulfanilamide*, *8CI*. ***Sulfapyridine, INN***. *2-Sulfanilamidopyridine. M&B 693. Numerous proprietary names*

[144-83-2]



$C_{11}H_{11}N_3O_2S$ M 249.287

Metab. of Sulphasalazine, S-00253 . Formerly in extensive use as antibacterial agent. Yellowish-white powder, darkens on exposure to light. V. spar. sol. H_2O. Mp 191-193°.

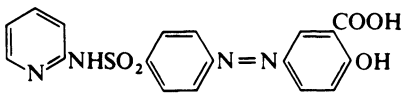
▷DA9625000.

Winterbottom, R., *J. Am. Chem. Soc.*, 1940, **62**, 160 (*synth*)
Wien, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1945, **84**, 203, 211 (*metab, tox*)
Edwards, D., *J. Pharm. Pharmacol.*, 1971, **23**, 956 (*ir*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 668 (*ms*)
Seydel, J.K. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 187 (*synth, pharmacol*)
Chang, C.J. *et al*, *J. Med. Chem.*, 1975, **18**, 505 (*pmr*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Basak, A.K. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1848 (*cryst struct*)
Hoult, J.R.S., *Drugs*, 1986, **32**, 18 (*rev*)
Bernstein, J., *Acta Crystallogr., Sect. C*, 1988, **44**, 900 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1886.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4950.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2338.

Sulphasalazine, BAN S-00253

2-Hydroxy-5-[[4-[(2-pyridinylamino)sulfonyl]phenyl]-azo]benzoic acid, *9CI*. *5-[[p-Pyridylsulfamoyl)phenyl]-azo]salicyclic acid*, *8CI*. *4-Hydroxy-4'-(2-pyridylsulfamoyl)azobenzene-3-carboxylic acid*. ***Salazosulfapyridine, JAN***. *Sulfasalazine, INN*. *Salicylazosulfapyridine. Salazopyrin. Other proprietary names*

[599-79-1]



$C_{18}H_{14}N_4O_5S$ M 398.392

Used in treatment of ulcerative colitis and arthritis. Yellow or brownish-yellow powder. Insol. Et_2O. Mp 240-245° dec.

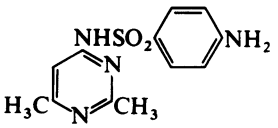
▷VO6250000.

Doraswamy, K.R. *et al*, *J. Ind. Chem. Soc.*, 1946, **23**, 278 (*synth*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
McDonnell, J.P. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 515 (*rev, synth, metab, anal*)
Neumann, V.C. *et al*, *J. R. Soc. Med.*, 1984, **77**, 169 (*rev, pharmacol*)
Peppercorn, M.A., *Ann. Intern. Med.*, 1984, **101**, 377 (*rev, pharmacol, tox, metab*)
Hoult, J.R.S., *Drugs*, 1986, **32**, 18 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4658.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4951.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2337.

Sulphasomidine, BAN S-00254

4-Amino-N-(2,6-dimethyl-4-pyrimidinyl)-benzenesulfonamide, 9CI. N′-(2,6-Dimethyl-4-pyrimidyl)sulfanilamide. 2,6-Dimethyl-4-sulfanilamidopyrimidine. 6-(p-Aminophenylsulfonamido)-2,4-dimethylpyrimidine. ***Sulfisomidine, INN****. Elkosin. Other proprietary names*

[515-64-0]



$C_{12}H_{14}N_4O_2S$ M 278.328

Antibacterial used mainly for urinary tract infections. Vet. antimicrobial agent. Needles (EtOH). Spar. sol. EtOH, Me_2CO, pract. insol. $CHCl_3$. Mp 243°.

▷WO9270000.

N^4-Formyl: [799-17-7]. *[[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]phenyl]formamide, 9CI. Formylsulfamethin.* ***Formylsulfisomidine****. Sulfaformidine. Wometin. FAK III.*

$C_{13}H_{14}N_4O_3S$ M 306.339

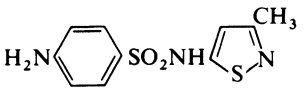
Antibacterial agent (intestinal). Mp 250-254°.

U.S.P., 2 429 184, (*1947*); *CA*, **42**, 926 (*synth*)
Loop, W. *et al*, *Justus Liebigs Ann. Chim.*, 1953, **580**, 225 (*synth*)
Hannig, E. *et al*, *Pharmazie*, 1964, **19**, 571 (*deriv*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Singh, T.P. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 752 (*cryst struct*)
Ghose, S. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1563 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2344.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4952.

Sulphasomizole, BAN S-00255

4-Amino-N-(3-methyl-5-isothiazolyl)-benzenesulfonamide, 9CI. N′-(3-Methyl-5-isothiazolyl)-sulfanilamide, 8CI. 5-(4-Aminobenzenesulfonamido)-3-methylisothiazole. 4-Methyl-2-sulfanilamidothiazole. Sulfamethylthiazole. ***Sulfasomizole,*** *USAN,* ***INN****. Amidozol. Bidizole. E 438. M & B 4438. NSC 139593. TH 2132*

[632-00-8]



$C_{10}H_{11}N_3O_2S_2$ M 269.336

Antibacterial agent. Cream-coloured needles (H_2O). Mp 192-192.5°, 236-238°.

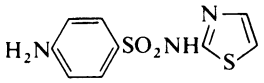
N-*Ac:* Mp 259-260°.

Fosbinder, R. *et al*, *J. Am. Chem. Soc.*, 1939, **61**, 2032 (*synth*)
Adams, A. *et al*, *J. Chem. Soc.*, 1959, 3070 (*synth*)
Adams, A. *et al*, *Nature (London)*, 1960, **186**, 221 (*pharmacol*)
Chouteau, J. *et al*, *Ann. Pharm. Fr.*, 1963, **21**, 487 (*ir*)
Vignoli, L. *et al*, *Ann. Pharm. Fr.*, 1963, **21**, 477 (*uv*)
Goerdeler, J. *et al*, *Chem. Ber.*, 1969, **102**, 2273 (*synth*)

Sulphathiazole, BAN S-00256

4-Amino-N-2-thiazolylbenzenesulfonamide, 9CI. N′-2-Thiazolylsulfanilamide, 8CI. 2-Sulfanilamidothiazole. ***Sulfathiazole, INN****. Cerazole. Sulfex. Numerous proprietary names*

[72-14-0]



$C_9H_9N_3O_2S_2$ M 255.309

Used in treatment of severe staphylococcal infections. Yellowish-white prismatic rods and six-sided plates and prisms. Dimorphic. Mp 200-203°, Mp ca. 175° respec.

▷Exp. carcinogen. WP2360000.

Na salt: [144-74-1]. V. sol. H_2O. Absorbs CO_2 from humid air.

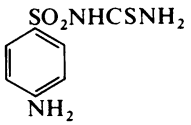
▷WP2450000.

Fosbinder, R.J., *J. Am. Chem. Soc.*, 1939, **61**, 2032 (*synth*)
Bass, A.D. *et al*, *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 1657 (*pharmacol*)
Kruger, G.J. *et al*, *Acta Crystallogr., Sect. A*, 1972, **28**, 272 (*cryst struct*)
Kracmar, J. *et al*, *Pharmazie*, 1975, **30**, 447 (*uv*)
Forlani, L., *Gazz. Chim. Ital.*, 1981, **111**, 159 (*pmr, tautom*)
Bult, A., *Pharm. Weekbl. Sci. Ed.*, 1983, **5**, 77 (*cmr, tautom*)
Haley, T.J., *Dangerous Prop. Ind. Mater. Rep.*, 1983, **3**, 9 (*rev, pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1148.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4953, 4954.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2564.

Sulphathiourea, BAN S-00257

4-Amino-N-(aminothioxomethyl)benzenesulfonamide, 9CI. 1-Sulfanilyl-2-thiourea, 8CI. ***Sulfathiourea, INN****. Sulfathiocarbamide. Badional. Bationol. Fontamide. Salvoseptyl. RP 2255*

[515-49-1]



$C_7H_9N_3O_2S_2$ M 231.287

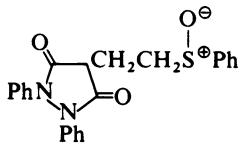
Antibacterial agent. Sol. H_2O. Mp 171.5-172° dec. Component of Sulfatolamide.

B.P., 589 730, (*1947*); *CA*, **42**, 926 (*synth*)
B.P., 595 771, (*1947*); *CA*, **42**, 4202b (*synth, pharmacol*)
Brandmueller, J. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 392 (*uv, pharmacol, ir*)
Karba, D. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1967, **300**, 844 (*synth*)
Rastelli, A. *et al*, *Farmaco, Ed. Sci.*, 1974, **29**, 654 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4955.

Sulphinpyrazone, BAN **S-00258**

1,2-Diphenyl-4-[2-(phenylsulfinyl)ethyl]-3,5-pyrazolidinedione, 9CI, 8CI. ***Sulfinpyrazone,*** *USAN, INN, JAN. Anturan*

[57-96-5]



$C_{23}H_{20}N_2O_3S$ M 404.483

▷UQ8575000.

(±)-*form*

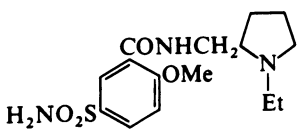
Uricosuric drug. Platelet aggregation inhibitor. Cryst. ($CHCl_3$/heptane). Mp 136-137°.

Pfister, R. *et al, Helv. Chim. Acta,* 1961, **44**, 232 (*synth*)
Gouezo, F. *et al, Ann. Pharm. Fr.,* 1968, **26**, 301 (*uv*)
Locock, R.A. *et al, J. Pharm. Sci.,* 1974, **63**, 1896 (*ms*)
Margulies, E.H. *et al, Pharmacol. Biochem. Prop. Drug Subst.,,* 1979, **2**, 255 (*rev, pharmacol*)
Pedersen, A.K. *et al, Clin. Pharmacokinet.,* 1982, **7**, 42 (*rev, metab*)
Buchanan, M.R. *et al, Thromb. Res.,* 1983, **31**, 89 (*revs*)
Go, K. *et al, Acta Crystallogr., Sect. C,* 1984, **40**, 1869 (*cryst struct*)
Zhong, Q. *et al, CA,* 1985, **102**, 6296 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 6798.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1009.
Sax, N.I., *Dangerous Properties of Industrial Materials,* 6th Ed., Van Nostrand-Reinhold, 1984, 1241.

Sulpiride, BAN, USAN, INN, JAN **S-00259**

5-(Aminosulfonyl)-N-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide, 9CI. *N-[(1-Ethyl-2-pyrrolidinyl)-methyl]-5-sulfamoyl-o-anisamide,* 8CI. *Dogmatyl. Mirbanil. Milsulvan. Numerous proprietary names*

[15676-16-1]



$C_{15}H_{23}N_3O_4S$ M 341.424

Antidepressant, digestive aid, antianxiety drug. Non-sedative major antipsychotic agent. Migraine therapeutic. Insol. H_2O, Et_2O, $CHCl_3$, C_6H_6. Mp 175-182° dec. Known in opt. active forms. The pharmacologically active enantiomer is (*S*)-(−). Can be obt. in two forms, inter- and intramolecularly H bonded.

▷BZ3400000.

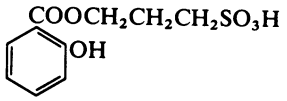
1-Adamantanecarboxylate: [55247-89-7]. *Neoride. Sedobion.*

Costall, B. *et al, Psychopharmacologia,* 1975, **43**, 69 (*pharmacol*)
Ger. Pat., 2 365 832, (*1976*); *CA,* **85**, 142976b (*synth*)
Jenner, P. *et al, Neuropharmacology,* 1981, **20**, 1285 (*rev, activity*)
van de Waterbeemd, H. *et al, Helv. Chim. Acta,* 1981, **64**, 2183 (*cd, pharmacol*)
Ma, L.Y.Y. *et al, Acta Crystallogr., Sect. B,* 1982, **38**, 2861 (*cryst struct, abs config, bibl*)
Montanaro, N. *et al, Adv. Biochem. Psychopharmacol.,* 1982, **31**, 341 (*activity*)
O'Connor, S.E. *et al, Gen. Pharmacol.,* 1982, **13**, 185 (*rev, pharmacol*)
Maury, L. *et al, Can. J. Chem.,* 1987, **65**, 1613 (*ir, struct*)
Pitre, D. *et al, Anal. Profiles Drug Subst.,* 1988, **17**, 607 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms,* 6th Ed., Akademie-Verlag, Berlin, 1987, 3746.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7107.

Sulprosal, INN **S-00260**

2-Hydroxybenzoic acid 3-sulfopropyl ester, 9CI. *3-[(2-Hydroxybenzoyl)oxy]-1-propanesulfonic acid. 3-Hydroxy-1-propanesulfonic acid salicylate*

[58703-77-8]



$C_{10}H_{12}O_6S$ M 260.261

Analgesic. Antipyretic. Antiinflammatory. Cryst. (EtOH). Used as Na salt.

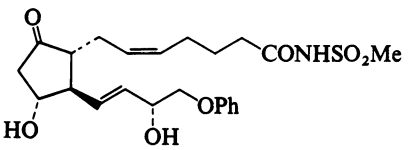
Na salt: Hygroscopic needles (MeOH).

U.S.P., 2 900 410, (*1959*); *CA,* **54**, 1811i (*synth, pharmacol*)
U.S.P., 3 181 993, (*1965*); *CA,* **63**, 1669h (*synth, pharmacol*)

Sulprostone, USAN, INN **S-00261**

7-[3-Hydroxy-2-(3α-hydroxy-4-phenoxy-1-butenyl)-5-oxocyclopentyl]-N-(methylsulfonyl)-5-heptenamide. 11,15-Dihydroxy-N-methanesulfonyl-9-oxo-16-phenoxy-17,18,19,20-tetranorprosta-5,13-dienamide. Nalador. CP 34089. SHB 286. ZK 57671

[60325-46-4]



$C_{23}H_{31}NO_7S$ M 465.560

Tissue-selective PGE_2 analogue with potent antifertility effects. Abortifacient. Spar. sol. H_2O, sol. EtOH. Mp 78.5-80°.

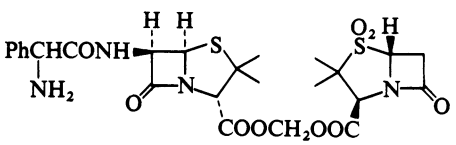
▷MJ8810000.

Hess, H.J. *et al, Experientia,* 1977, **33**, 1076.
Friebel, K. *et al,* Eds., *Int. Sulprostone Symp., Vienna, 1978,* Schering AG, Berlin, 1979 (*book*)
Schaaf, T.K. *et al, J. Med. Chem.,* 1981, **24**, 1353 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8096.

Sultamicillin, BAN, USAN, INN **S-00262**

Unasyn. CP 49952. Antibiotic CP 49952

[76497-13-7]



$C_{25}H_{30}N_4O_9S_2$ M 594.653

Semisynthetic penicillin antibiotic. Prodrug of bactericidal penicillins and β-lactamase inhibitors.

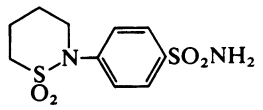
Ger. Pat., 3 020 695, (*1980*); *CA,* **95**, 7269 (*synth*)
Hartley, S. *et al, J. Antimicrob. Chemother.,* 1982, **10**, 49 (*props*)
U.S.P., 4 321 196, (*1982*); *CA,* **97**, 38757 (*synth*)
U.S.P., 4 342 772, (*1982*); *CA,* **98**, 107064 (*synth, props*)
Nakayama, I. *et al, Chemotherapy (Tokyo),* 1985, **33**, Suppl. 2 (*props*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17000.

Sulthiame, BAN, USAN S-00263

4-(Tetrahydro-2H-1,2-thiazin-2-yl)benzenesulfonamide S,S-dioxide, 9CI. ***Sultiame, INN.*** *Aspolat. Conadil. Contravul. Elisal. Ospolot. Sulphenytame. Trolone. Bayer A168. Riker 594. RP 10248*

[61-56-3]



$C_{10}H_{14}N_2O_4S_2$ M 290.352

Anticonvulsant. Mp 180-182°.

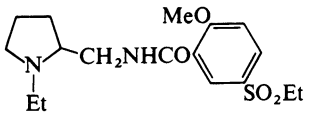
▷DB3150000.

B.P., 810 356, (*1959*); *CA*, **53**, 16068 (*synth*)
Wirth, W. *et al*, *Deut. Med. Wochschr.*, 1960, **85**, 2195, 2199, 2203, 2207 (*pharmacol*)
Ger. Pat., 1 111 191, (*1961*); *CA*, **59**, 514g (*synth*)
Duhm, B. *et al*, *Z. Naturforsch., B*, 1963, **18**, 475 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6621.

Sultopride, INN S-00264

N-[(1-Ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, 9CI. N-[(1-Ethyl-2-pyrrolidinyl)-methyl]-5-(ethylsulfonyl)-o-anisamide. Barnetil. Barnotil. Topral. LIN 1418

[53583-79-2]



$C_{17}H_{26}N_2O_4S$ M 354.463

▷BZ3390000.

(±)-*form*

Antiarrhythmic drug; tranquilliser.

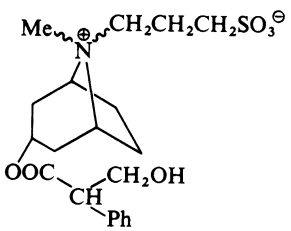
B,HCl: [23694-17-9]. Cryst. (2-butanone). Mp 181-182°.

Ger. Pat., 2 409 892, (*1974*); *CA*, **72**, 4116h (*synth*)
Justin-Besancon, L. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1974, **279**, 375 (*rev, pharmacol*)
Topart, J. *et al*, *Pharm. Acta Helv.*, 1976, **51**, 314 (*ir, uv, pmr*)
Neuman, M. *et al*, *Drugs of Today*, 1977, **13**, 152 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7108.

Sultroponium, INN S-00265

3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(3-sulfopropyl)-8-azoniabicyclo[3.2.1]octane hydroxide, inner salt, 9CI. 8-(3-Sulfopropyl)atropinium hydroxide. Sultropan. A 118

[15130-91-3]



$C_{20}H_{29}NO_6S$ M 411.512

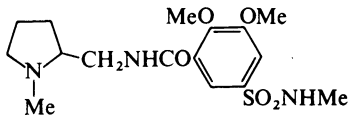
Anticholinergic and spasmolytic agent. Mp 220° dec.

Savini, E.C. *et al*, *Therapie*, 1967, **22**, 843 (*synth, uv, pharmacol*)
Zeud, I. *et al*, *Chem. Ind. (London)*, 1973, 1001 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 416.

Sulverapride, INN S-00266

2,3-Dimethoxy-5-[(methylamino)sulfonyl]-N-[(1-methyl-2-pyrrolidinyl)methyl]benzamide, 9CI. N-[(1-Methyl-2-pyrrolidinyl)methyl]-5-(methylsulfamoyl)-o-veratramide. Clumirol

[73747-20-3]



$C_{16}H_{25}N_3O_5S$ M 371.451

(+)-*form*

Mp 109-110°. $[\alpha]_D^{20}$ +38° (c, 5 in DMF).

(−)-*form*

Mp 111-112°. $[\alpha]_D^{20}$ −38° (c, 5 in DMF).

(±)-*form*

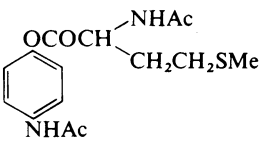
Antidiuretic agent. Cryst. (2-propanol). Mp 120-121°.

Ger. Pat., 2 939 914, (*1980*); *CA*, **93**, 114321f (*synth, pharmacol*)

Sumacetamol, INN S-00267

N-Acetyl-p-aminophenyl-N′-acetylmethionate. 4-(Acetamino)phenyl N-acetylmethioninate, 9CI. SUR 2647

[69217-67-0]



$C_{15}H_{20}N_2O_4S$ M 324.394

(±)-*form*

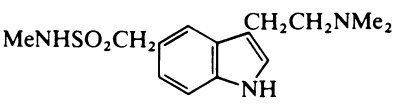
Analgesic, antipyretic agent. Cryst. (EtOAc/MeOH). Mp 181°.

B.P., 1 583 602, (*1978*); *CA*, **90**, 87076j (*synth, pharmacol*)
Skoglund, L.A. *et al*, *Gen. Pharmacol.*, 1988, **19**, 213 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18686.

Sumatriptan, BAN, INN S-00268

3-[2-(Dimethylamino)ethyl]-N-methyl-1H-indole-5-methanesulfonamide, 9CI. 3-(2-Dimethylaminoethyl)-indol-5-yl-N-methylmethanesulfonamide. GR 43175X

[103628-46-2]



$C_{14}H_{21}N_3O_2S$ M 295.399

Serotonin agonist, used in treatment of migraine. Mp 169-171°.

Succinate (1:1): [103628-48-4]. *Sumatriptan succinate, BAN.* Mp 165-166°.

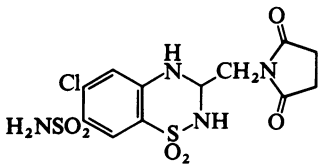
Succinate (2:1): [103628-47-3]. *Sumatriptan hemisuccinate, BAN.* Mp 158-159°.

Ger. Pat., 3 527 648, (*1986*); *CA*, **105**, 78831 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3945.

Sumetizide, INN **S-00269**

6-Chloro-3,4-dihydro-3-(succinimidomethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 8CI. Hypotensine

[32059-27-1]



$C_{12}H_{13}ClN_4O_6S_2$ M 408.831

(±)-*form*

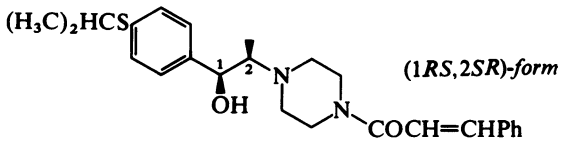
Diuretic. Cryst. (DMF aq.).

Fr. Pat., M6724, (*1969*); *CA*, **74**, 79631r (*synth, pharmacol*)

Sunagrel, INN **S-00270**

β-Methyl-α-[4-[(1-methylethyl)thio]phenyl]-4-(1-oxo-3-phenyl-2-propenyl)-1-piperazineethanol, 9CI. 1-(4-Isopropylthiophenyl)-2-(4-cinnamoylpiperazine-1-yl)-1-propanol. MG 23010

[85418-86-6]



(1*RS*,2*SR*)-*form*

$C_{25}H_{32}N_2O_2S$ M 424.600

(*1RS,2SR*)-*form* [85418-85-5]

erythro-*form*

Platelet aggregation inhibitor and antilipidaemic agent. Mp 106-108°.

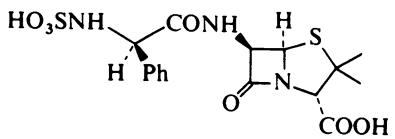
B,HCl: [85419-09-6]. Mp 242-243°.

Eur. Pat., 66 919, (*1982*); *CA*, **98**, 179414 (*synth, pharmacol*)

Suncillin, INN **S-00271**

BL-P 1462. Antibiotic BL-P 1462

[22164-94-9]



$C_{16}H_{19}N_3O_7S_2$ M 429.462

Semisynthetic penicillin. Shows antipseudomonal activity.

Na salt: [23444-86-2]. *Suncillin sodium, USAN.* Mp 219-230° dec.

U.S.P., 3 381 001, (*1968*); *CA*, **69**, 96707 (*synth*)

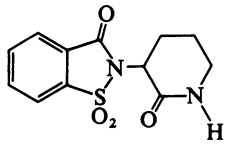
Barza, M. *et al*, *Antimicrob. Agents Chemother.*, 1970, 341 (*pharmacol*)

U.S.P., 4 427 678, (*1984*); *CA*, **100**, 126916 (*use*)

Supidimide, INN **S-00272**

2-(2-Oxo-3-piperidinyl)-1,2-benzisothiazol-3(2H)-one 1,1-dioxide, 9CI. Dotan. CG 3033. EM 87

[49785-74-2]



$C_{12}H_{12}N_2O_4S$ M 280.298

(*R*)-*form* [88763-78-4]

Mp 220-222°. $[\alpha]_D^{25}$ +70.4° (DMF).

(±)-*form* [87565-54-6]

Sedative, hypnotic. Cryst. (*n*-butanol). Mp 248-250°.

Ger. Pat., 2 210 166, (*1973*); *CA*, **79**, 137125v (*synth, pharmacol*)

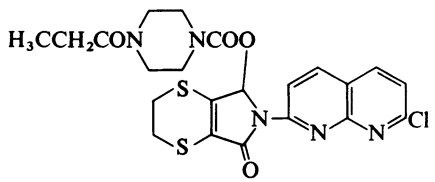
Helm, F.C. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 941 (*synth, pharmacol*)

Winter, W. *et al*, *Justus Liebigs Ann. Chem.*, 1983, 2021 (*synth, cryst struct*)

Suproclone, INN **S-00273**

4-Propionyl-1-piperazinecarboxylic acid 6-(7-chloro-1,8-naphthyridin-2-yl)-2,3,6,7-tetrahydro-7-oxo-5H-1,4-dithiino[2,3-c]pyrrol-5-yl ester, 9CI. RP 37162

[77590-92-2]



$C_{22}H_{22}ClN_5O_4S_2$ M 520.020

(±)-*form*

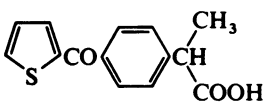
Anticonvulsant. Tranquilliser. Cryst. Mp 222°.

U.S.P., 4 220 646, (*1980*); *CA*, **94**, 156973w (*synth, pharmacol*)

Suprofen, INN, USAN, BAN **S-00274**

α-Methyl-4-(2-thienylcarbonyl)benzeneacetic acid, 9CI. Sutoprofen. R 25061. Numerous proprietary names

[40828-46-4]



$C_{14}H_{12}O_3S$ M 260.307

▷MU6647000.

(±)-*form* [64382-06-5]

Antiinflammatory agent, analgesic. Microcryst. powder. V. spar. sol. H_2O, v. sol. MeOH, $CHCl_3$. Mp 124.3°.

L-Lysine salt (1:1): LC-R 505.

Van Daele, P.G.H. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1495 (*synth, pharmacol, pmr, uv, ir, ms*)

Spanish Pat., 460 926, (*1978*); *CA*, **90**, 92426 (*deriv*)

Ghislandi, V. *et al*, *Farmaco, Ed. Sci.*, 1982, **37**, 81 (*abs config*)

Capetola, R.J. *et al*, *Pharmacology*, 1983, **27**, 1 (*rev, pharmacol*)

Peeters, O.M. *et al*, *Bull. Soc. Chim. Belg.*, 1983, **92**, 191 (*cryst struct*)

Maitre, J.M. *et al*, *J. Chromatogr.*, 1984, **299**, 397 (*resoln, hplc*)

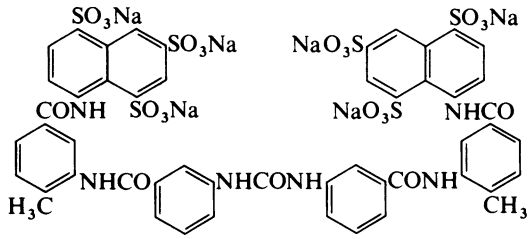
Todd, P.A. *et al*, *Drugs*, 1985, **30**, 514 (*rev, pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3047.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13292.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2558.

Suramin sodium, INN **S-00275**

8,8'-[Carbonylbis[imino-3,1-phenylenecarbonylimino(4-methyl-3,1-phenylene)carbonylimino]]bis-1,3,5-naphthalenetrisulfonic acid, 9CI. *Antrypol. Belganyl. Germanin. Moranyl. Naganin. Nagamol. Naphuride. Natricum. Bayer 205*

[145-63-1]



$C_{51}H_{34}N_6Na_6O_{23}S_6$ M 1429.155

Trypanocide. Pinkish-white, hygroscopic powder. V. sol. H_2O, insol. EtOH.

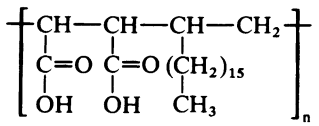
▷Teratogen, abortifacient. QM6900000.

Forneau, F. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1924, **178**, 625 (*struct*)
Dressel, J. *et al*, *J. Chem. Educ.*, 1961, **38**, 620 (*history, bibl*)
Olenick, J.G., *Antibiotics (N.Y.)*, 1975, **3**, 699 (*rev, pharmacol*)
Nichel, P. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1153 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4797.

Surfomer, USAN **S-00276**

Poly(1,2-dicarboxy-3-hexadecyltetramethylene). Poly(1,2-dicarboxy-3-hexadecyl-1,4-butanediyl), 9CI. *AOMA*

[71251-04-2]



n = 5–150

$(C_{22}H_{40}O_4)_n$

Hypolipidaemic agent.

Kagami, A. *et al*, *J. Lipid Res.*, 1985, **26**, 705 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13289.

Suricainide, INN **S-00277**

N'-[2-(Diethylamino)ethyl]-N-(1-methylethyl)-N-[2-(phenylsulfonyl)ethyl]urea, 9CI

[85053-46-9]

$Et_2NCH_2CH_2NHCON[CH(CH_3)_2]CH_2CH_2SO_2Ph$

$C_{18}H_{31}N_3O_3S$ M 369.521

Antiarrhythmic agent. Oil.

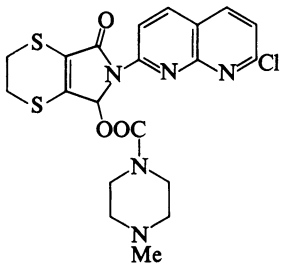
Maleate (1:1): [85053-47-0]. *Suricainide maleate*, USAN. *AHR 10718*. Mp 88-90°.

Eur. Pat., 66 415, (*1982*); *CA*, **98**, 125675 (*synth, pharmacol*)
Mitsuhashi, H. *et al*, *Jpn. J. Pharmacol.*, 1988, **46**, 349 (*pharmacol*)

Suriclone, BAN, INN **S-00278**

6-(7-Chloro-1,8-naphthyridin-2-yl)-2,3,6,7-tetrahydro-7-oxo-5H-[1,4]dithiino[2,3-c]pyrrol-5-yl 4-methylpiperazine-1-carboxylate, 9CI. *Clexane. RP 31264*

[53813-83-5]



$C_{20}H_{20}ClN_5O_3S_2$ M 477.983

Anxiolytic, hypnotic. Cryst. (MeCN). Mp 280°.

B.P., 1 397 060, (*1974*); *CA*, **81**, 105528d (*synth, pharmacol*)
Julou, L. *et al*, *Pharmacol. Biochem. Behav.*, 1985, **23**, 653 (*rev, pharmacol*)
Ono, H. *et al*, *Arzneim.-Forsch.*, 1987, **37**, 384 (*pharmacol*)
Codding, P.W. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 1938 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13291.

Sutilains, USAN **S-00279**

Travase. BAX 1515

[12211-28-8]

Derived from *Bacillus subtilis*. Proteolytic enzymes used for wound debridement in moist conditions.

Silverstein, P. *et al*, *Surg. Forum.*, 1972, **23**, 31; *CA*, **82**, 133072q (*pharmacol*)
Fr. Pat., 2 448 903, (*1980*); *CA*, **95**, 68032d
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3748.

Suxamethonium(2+) **S-00280**

2,2'-(1,4-Dioxo-1,4-butanediyl)bis(oxy)bis[N,N,N-trimethyl]ethanium, 9CI. *Succinoylcholine. Numerous proprietary names*

[306-40-1]

$Me_3N^{\oplus}(CH_2)_2OCOCH_2CH_2COO(CH_2)_2N^{\oplus}Me_3$

$C_{14}H_{30}N_2O_4^{\oplus\oplus}$ M 290.402 (ion)

Skeletal muscle relaxant. Curarimimetic agent.

▷GA7000000.

Dibromide: [55-94-7]. *Suxamethonium bromide*, BAN. *Brevidil* M.
$C_{14}H_{30}Br_2N_2O_4$ M 450.210
Cryst. Mp 225°.

Dichloride: [71-27-2]. *Suxamethonium chloride*, BAN, INN. *Succinylcholine chloride. Sucostrin chloride. Quelicin. Sux-Cert. Anectine.*
$C_{14}H_{30}Cl_2N_2O_4$ M 361.308
Cryst. + $2H_2O$. Mp 156-163° (anhyd. ca. 190°).

▷GA2360000.

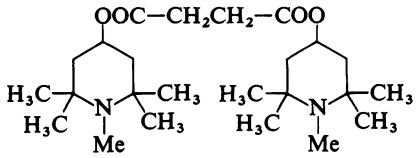
Phillips, A.P., *J. Am. Chem. Soc.*, 1949, **71**, 3264 (*synth*)
Walker, J., *J. Chem. Soc.*, 1950, 193 (*synth*)
Tammelin, L.E., *Acta Chem. Scand.*, 1953, **7**, 185 (*synth*)
Jensen, B., *Acta Chem. Scand., Ser. B*, 1976, **30**, 1002 (*cryst struct*)

Wang, C.-H. *et al*, *Org. Prep. Proced. Int.*, 1979, **11**, 93 (*synth*)
Foss, P.R.B. *et al*, *Anal. Profiles Drug Subst.*, 1981, **10**, 691 (*rev, synth, metab, anal*)
Durant, N.N. *et al*, *Br. J. Anaesth.*, 1982, **54**, 195 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3380.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5732, 5733.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 789.

Suxemerid, INN S-00281

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) butanedioate, 9CI

[47662-15-7]



$C_{24}H_{44}N_2O_4$ M 424.623

Antitussive agent.

B, $2H_2SO_4$: [34144-82-6]. *Suxemerid sulfate, USAN. W 2180.* Cryst. (MeOH/EtOH). Mp 252-256°.

Lutz, W.B. *et al*, *J. Org. Chem.*, 1962, **27**, 1695 (*synth*)
U.S.P., 3 755 586, (*1973*); *CA*, **80**, 19550c (*pharmacol*)

Suxethonium(2+) S-00282

2,2'-(1,4-Dioxo-1,4-butanediyl)bis(oxy)bis[N-ethyl-N,N-dimethyl]ethanaminium, 9CI

[67724-50-9]

$EtMe_2N^{\oplus}(CH_2)_2OOCCH_2CH_2COO(CH_2)_2N^{\oplus}EtMe_2$

$C_{16}H_{34}N_2O_4$ M 318.456

Muscle relaxant. See refs. under Suxamethonium(2+), S-00280 .

Dibromide: [111-00-2]. *Suxethonium bromide, BAN. Brevidil E. IS 362. M 115. M and B 2210.*
$C_{16}H_{34}Br_2N_2O_4$ M 478.264
Cryst. Mp 158°.

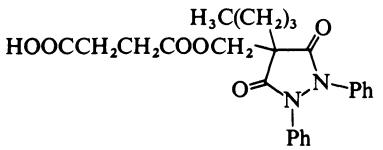
Dichloride: [54063-57-9]. *Suxethonium chloride, INN.*
$C_{16}H_{34}Cl_2N_2O_4$ M 389.362

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5734.

Suxibuzone, INN S-00283

4-Butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione hydrogen succinate, 8CI. Alfide. Calibene. Danilon. AE-17. Flamilon. Solurol

[27470-51-5]



$C_{24}H_{26}N_2O_6$ M 438.479

Antiinflammatory agent. Bitter cryst. (EtOH). Mp 126-127°.

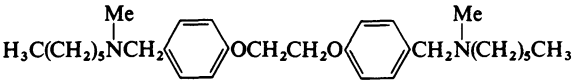
▷WM9640000.

Ger. Pat., 1 936 747, (*1970*); *CA*, **72**, 132724k (*synth, pharmacol*)
Esteve, J. *et al*, *Quim. Ind.* (*Madrid*), 1971, **17**, 107 (*synth, metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2707.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7061.

Symetine, INN S-00284

4,4'-[1,2-Ethanediylbis(oxy)]bis[N-hexyl-N-methylbenzenemethanamine], 9CI. 4,4'-(Ethylenedioxy)bis[N-hexyl-N-methylbenzylamine], 8CI

[15599-45-8]



$C_{30}H_{48}N_2O_2$ M 468.721

Antiamoebic agent.

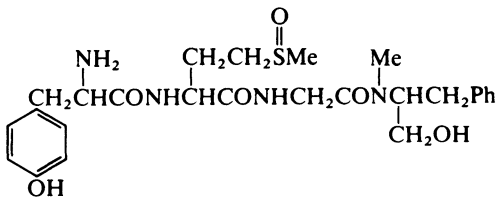
B,2HCl: [5585-62-6]. *Symetine hydrochloride, USAN. L 16726.* Mp 171-172°.

McCowen, M.C. *et al*, *Antibiotics and Chemother.*, 1954, **4**, 753 (*pharmacol*)
U.S.P., 2 759 977, (*1956*); *CA*, **51**, 3664a (*synth, pharmacol*)

Syndyphalin S-00285

N-Methyl-L-tyrosyl-γ-(methylsulfinyl)-D-α-aminobutyryl-N-[(1-hydroxymethyl)-2-phenylethyl]-glycinamide, 9CI. SD 25

[77702-20-6]



$C_{26}H_{36}N_4O_6S$ M 532.654

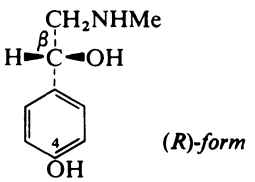
Analgesic and smooth muscle relaxant.

Kiso, Y. *et al*, *Pept. Chem.*, 1980, **18**, 187; *Naturwissenschaften*, 1981, **68**, 210 (*props*)
Pat. Coop. Treaty (*WIPO*), 82 00 640, (*1982*); *CA*, **97**, 72783 (*synth, props*)

Synephrine S-00286

4-Hydroxy-α-[(methylamino)methyl]benzenemethanol, 9CI. 1-(p-Hydroxyphenyl)-2-methylaminoethanol. p-(α-Hydroxy-β-methylaminoethyl)phenol. Analeptin. Ethaphene. Oxedrine. Simpalon. Sympathol. Numerous proprietary names

[94-07-5]



(R)-form

$C_9H_{13}NO_2$ M 167.207

▷DO7350000.

(R)-form [614-35-7]

A widely distributed alkaloid, occurs in *Citrus* (Rutaceae) and *Coryphantha* (Cactaceae) spp., in *Ficus benegalensis* and a no. of Amaryllidaceae spp., also in *Haloxylon salicornicum* (Chenopodiaceae) (opt. rotn. of isolates not reported in many cases). Plates (Me_2CO aq. or H_2O). Mp 162-164° dec. $[\alpha]_D^{25}$ −55.6° (c, 0.5 in M HCl).

4-Me ether: [57286-93-8]. ***Longimammine***. *4-O-Methylsynephrine.*
$C_{10}H_{15}NO_2$ M 181.234
Alkaloid from *Dolichothele longimamma* (Cactaceae). Mp 144-146° (hydrochloride). $[\alpha]_D^{25}$ −36°.

(±)-*form* [582-84-3]
Alkaloid from a number of *Coryphantha* spp. and from *D. longimamma* (Cactaceae). Has vasoconstrictor props. Spar. sol. org. solvs. Mp 184-185° dec. Used mainly as tartrate.

B,HCl: [5985-28-4]. Vasoconstrictor. Cryst. powder. Mp 149.5-157°.

▷DO7700000.

Tartrate (2:1): [16589-24-5]. Cryst. Mp 188-190°.

Di-Ac: Mp 157°.

Dibenzoyl: Mp 176°.

O^{β}-*Me:* [60094-92-0]. ***β*-O-Methylsynephrine**.
$C_{10}H_{15}NO_2$ M 181.234
Alkaloid from *C. greenwoodii*, *C. ramilosa* and *C. cornifera* (Cactaceae); also obt. from tangerine leaves, poss. as artifact. Mp 182-184° (175-176°) (as hydrochloride). One isolate was definitely racemic; opt. rotn. of others not recorded, poss. enantiomeric.

O^{4}-*Me; B,HCl:* Synthetic. Mp 117-118°.

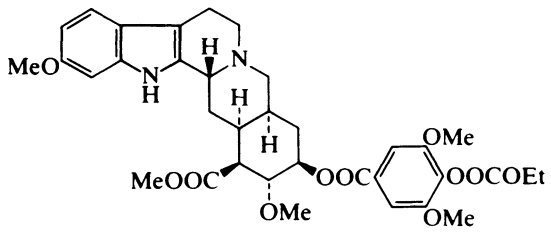
O^{β}-*Et:* ***β*-O-Ethylsynephrine**.
$C_{11}H_{15}NO_2$ M 193.245
Alkaloid from *D. sphaerica* (Cactaceae). Mp 169-171° (as hydrochloride). Artifact.

Priestley, H.M. *et al*, *J. Org. Chem.*, 1940, **5**, 355 (*synth*)
Corrigan, J.R. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 1894 (*synth*)
Stewart, I.S. *et al*, *J. Biol. Chem.*, 1964, **239**, 930 (*isol*)
Kappe, T. *et al*, *J. Med. Chem.*, 1965, **8**, 368 (*uv*)
Wheaton, T.A. *et al*, *Phytochemistry*, 1969, **8**, 85 (*biosynth*)
McLaughlin, J.L. *et al*, *J. Pharm. Sci.*, 1972, **61**, 41; 1973, **62**, 408, 411, 1663 (*isol, derivs*)
Ranieri, R.L. *et al*, *J. Org. Chem.*, 1976, **41**, 319 (*isol, derivs*)
Smith, T.A., *Phytochemistry*, 1977, **16**, 9 (*occur*)
Hengstmann, J.H. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 2326 (*metab*)
Dattagupta, J.K. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2830 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1283.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2092.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1578.

Syrosingopine, BAN, INN S-00287

Methyl O-(*4-ethoxycarbonyloxy-3,5-dimethoxybenzoyl*)*reserpate. Isotense. Singoserp. Aurugopin. Londomin. Neoreserpan. Novoserpina*

[84-36-6]



$C_{35}H_{42}N_2O_{11}$ M 666.724
Antihypertensive agent. Cryst. (Me_2CO). Mp 175-179°.

▷ZG0175000.

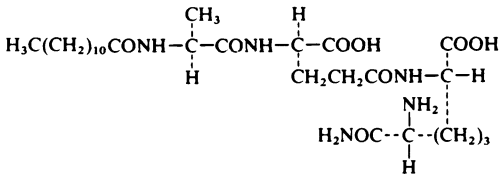
Lucas, R.A. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 1928 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 905.

T

Tabilautide, INN **T-00001**

6-Carboxy-N⁶-[N-[N-(1-oxododecyl)-L-alanyl]-D-γ-glutamyl]-L-lysinamide, 9CI

[78088-46-7]



$C_{27}H_{49}N_5O_8$ M 571.713

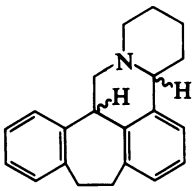
Immunostimulant.

B.P., 2 053 231, (*1979*); *CA*, **96**, 69436w (*synth, pharmacol*)

Taclamine, INN **T-00002**

2,3,4,4a,8,9,13b,14-Octahydro-1H-benzo[6,7]-cyclohepta[1,2,3-de]pyrido[2,1-a]isoquinoline, 9CI

[34061-33-1]



$C_{21}H_{23}N$ M 289.419

Two diastereoisomers known, configs. not detd. Minor tranquilliser.

B,HCl: [34061-34-2]. *Taclamine hydrochloride, USAN. AY 22214.*

High-melting-form

Cryst. (hexane).

Mp 136°.

B,HCl: Mp 235-236°.

Low-melting-form

Cryst. (hexane). Mp 90-92°.

B,HCl: Cryst. (Me_2CO). Mp 255-260°.

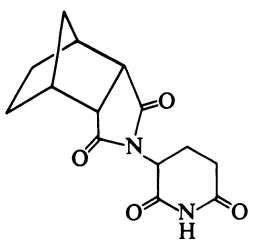
B.P., 1 341 109, (*1971*); *CA*, **75**, 129687g (*synth, pharmacol*)

Costall, B. *et al*, *Eur. J. Pharmacol.*, 1975, **33**, 301 (*pharmacol*)

Taglutimide, INN **T-00003**

2-(2,6-Dioxo-3-piperidinyl)hexahydro-4,7-methano-1H-isoindole-1,3(2H)-dione, 9CI. N-(2,6-Dioxo-3-piperidyl)-2,3-norbornanedicarboximide, 8CI. Biglumid. Synoval. Synval. K 2004

[14166-26-8]



$C_{14}H_{16}N_2O_4$ M 276.291

endo-(−)-form [74985-75-4]

Mp 242° dec. $[\alpha]_D^{25}$ −29.6° (c, 0.5 in DMF).

endo-(±)-form

Sedative, hypnotic (thalidomide analogue). Mp 234-236°. No detectable teratogenicity.

Koch, H. *et al*, *Monatsh. Chem.*, 1966, **97**, 1648 (*synth*)

Stockinger, L. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 167 (*tox*)

Pischek, G. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1976, **309**, 62 (*metab*)

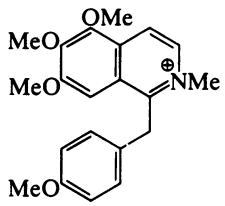
Fiebrich, F. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1036, 1146 (*pharmacol*)

Blaschke, G. *et al*, *Chem. Ber.*, 1980, **113**, 2318 (*synth, resoln*)

Koch, H., *Drugs of Today*, 1980, **16**, 388 (*rev*)

Takatonine **T-00004**

[6882-14-0]



$C_{21}H_{24}NO_4^{\oplus}$ M 354.425 (ion)

Quaternary alkaloid from the Japanese commercial crude drug "Takato-gusa", the dried leaves and stems of *Thalictrum minus* (Ranunculaceae). Weak spasmolytic agent showing atropine-like activity.

Iodide:

$C_{21}H_{24}INO_4$ M 481.329

Yellow plates (MeOH). Mp 181-182°.

Fujita, E. *et al*, *Yakugaku Zasshi*, 1959, **79**, 1082; *CA*, **54**, 4643a (*isol*)

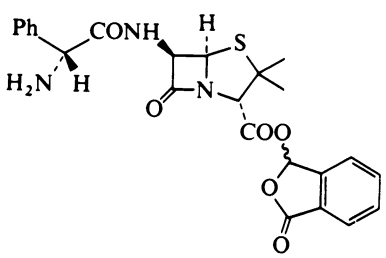
Kubota, S. *et al*, *J. Org. Chem.*, 1966, **31**, 516 (*uv, pmr, synth, struct*)

Birch, A.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1974, 2190 (*synth, pmr*)

Başar, K.H.C., *J. Nat. Prod.*, 1982, **45**, 704 (*isol, uv, ir, pmr, ms*)

Talampicillin, BAN, INN **T-00005**

[47747-56-8]



$C_{24}H_{23}N_3O_6S$ M 481.522

Semisynthetic penicillin (phthalidyl ester of Ampicillin). Well absorbed oral antibiotic.

B,HCl: [39878-70-1]. *Talampicillin hydrochloride, USAN, JAN. Talpen. Yamacillin. Other proprietary names.* Amorph. solid. Sol. H_2O. Mp 154-157° dec.

▷XH8430000.

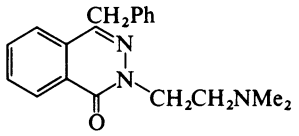
Mono-2-naphthalenesulfonate: [71953-01-0].

Clayton, J. *et al*, *J. Med. Chem.*, 1976, **19**, 1385 (*synth, pmr*)
Playle, A.C., *Drugs of Today*, 1976, **12**, 280 (*rev, pharmacol*)
Eur. Pat., 4 740, (*1979*); *CA*, **92**, 99581 (*napsylate*)
Hopkins, S.J., *Drugs of Today*, 1979, **15**, 349 (*napsylate*)
Akita, H. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4317 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7047.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 166, 167.

Talastine, INN T-00006

4-Benzyl-2-[2-(dimethylamino)ethyl]-1(2H)-phthalazinone, 8CI. Benzylphthalazone

[16188-61-7]



$C_{19}H_{21}N_3O$ M 307.394

Antihistaminic drug. Mp 107-108°. $Bp_{0.3}$ 208-210°.

B,HCl: [16188-76-4]. *HL 2186. Ahanon.* Mp 178°.

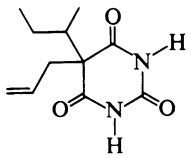
▷TH9200000.

Lenke, D., *Arzneim.-Forsch.*, 1957, **7**, 678 (*synth, pharmacol*)
E. Ger. Pat., 55 955, (*1967*); *CA*, **67**, 90826j (*synth, pharmacol*)

Talbutal, INN T-00007

5-(1-Methylpropyl)-5-(2-propenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-Allyl-5-sec-butylbarbituric acid, 8CI. Lutawin. Lotusate. Profundol

[115-44-6]



$C_{11}H_{16}N_2O_3$ M 224.259

▷CP8225000.

(±)-*form*

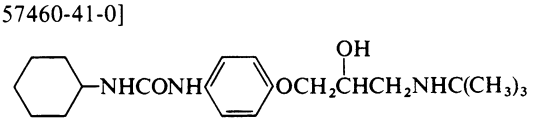
Sedative. Mp 108-110°.

Volwiler, E.H., *J. Am. Chem. Soc.*, 1925, **47**, 2236 (*synth*)
Parker, K.D. *et al*, *Anal. Chem.*, 1961, **33**, 1378 (*glc*)
Goenechea, S., *Z. Anal. Chem.*, 1966, **218**, 416 (*ir*)
Avdovich, H.W. *et al*, *Can. J. Pharm. Sci.*, 1969, **4**, 51 (*pmr*)
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 580 (*ms*)
Schentz, C. *et al*, *Deut. Apoth.-Ztg.*, 1973, **113**, 1553 (*tlc*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4071.

Talinolol, INN T-00008

N-Cyclohexyl-N'-[4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]urea, 9CI. [3-(tert-Butylamino)-2-hydroxypropoxy]phenyl]-3-cyclohexylurea. Cordanum. 02-115

[57460-41-0]



$C_{20}H_{33}N_3O_3$ M 363.499

▷YS7594200.

(±)-*form*

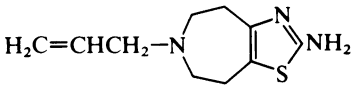
β-Adrenergic blocking agent.

Femmer, K. *et al*, *Pharmazie*, 1975, **30**, 642 (*tox, pharmacol*)
Swiss Pat., 566 302, (*1975*); *CA*, **84**, 73947h (*synth, pharmacol*)
Femmer, K. *et al*, *Pharmazie*, 1982, **37**, 505 (*isomers*)
Poetter, H. *et al*, *J. Chromatogr.*, 1982, **241**, 189 (*hplc*)
Terhaag, B. *et al*, *Pharmazie*, 1983, **38**, 568 (*pharmacol*)

Talipexole, INN T-00009

5,6,7,8-Tetrahydro-6-(2-propenyl)-4H-thiazolo[4,5-d]-azepin-2-amine, 9CI. Alefexole

[101626-70-4]



$C_{10}H_{15}N_3S$ M 209.309

α_2-Adrenoceptor agonist. Antiparkinsonian agent.

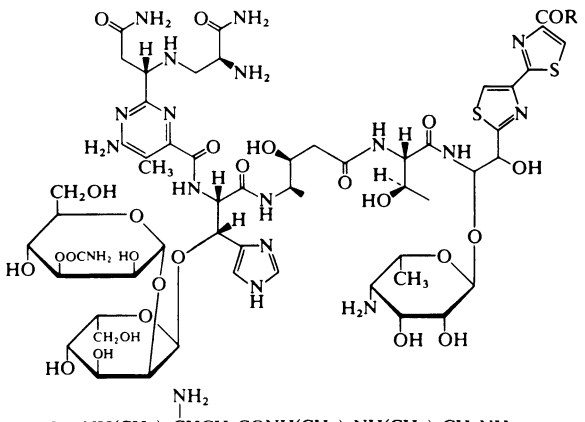
B,2HCl: [36085-73-1]. *B-TH 920.* Mp 245° dec.

Ger. Pat., 2 040 510, (*1972*); *CA*, **76**, 140924 (*synth, pharmacol*)
Pichler, L. *et al*, *J. Cardiovasc. Pharmacol.*, 1981, **3**, 269 (*pharmacol*)
Luger, P. *et al*, *Acta Crystallogr., Sect. B*, 1986, **42**, 478 (*cryst struct*)

Tallysomycin *A* T-00010

Talisomycin, INN, USAN. *Talisomycin A. BU 2231A. Antibiotic BU 2231A*

[65057-90-1]



R = $NH(CH_2)_3CHCH_2CONH(CH_2)_3NH(CH_2)_3CH_2NH_2$

$C_{68}H_{110}N_{22}O_{27}S_2$ M 1731.868

Glycopeptide antibiotic. Isol. from *Streptoalloteichus hindustanus*. Antineoplastic agent. Amorph. powder. Mp >210° dec. $[\alpha]_D$ −21° (c, 0.5 in H_2O). Related to Bleomycin and Phleomycin.

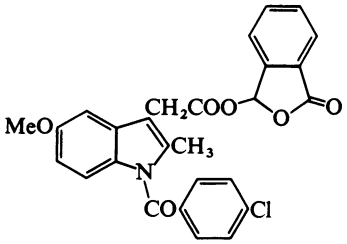
▷EC5990300.

Kawaguchi, H. *et al*, *J. Antibiot.*, 1977, **30**, 779 (*isol*)
Konishi, M. *et al*, *J. Antibiot.*, 1977, **30**, 789 (*pmr, cmr, struct*)
Imanishi, H. *et al*, *J. Antibiot.*, 1978, **31**, 667 (*props*)
Greenaway, F.T. *et al*, *Org. Magn. Reson.*, 1980, **13**, 270 (*cmr*)
Sikic, B.I. *et al*, *Cancer Treat. Rep.*, 1980, **64**, 659 (*props*)
Miyaki, T. *et al*, *J. Antibiot.*, 1981, **34**, 658 (*isol*)

Talmetacin, USAN, INN **T-00011**

1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetate 1,3-dihydro-3-oxo-1-isobenzofuranyl ester, 9CI. *1-(p-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid 3-hydroxyphthalide. Indometacin 3-phthalidyl ester. BA 7605-06*

[67489-39-8]



$C_{27}H_{20}ClNO_6$ M 489.911

(±)-*form*

Analgesic, antipyretic, antiinflammatory agent. Cryst. (methylcellosolve). Mp 152-153°.

Ger. Pat., 3 005 827, (*1979*); *CA*, **93**, 239224 (*synth, pharmacol*)

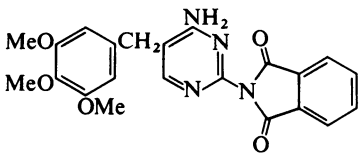
Los, M.A. *et al*, *Boll. Chim. Farm.*, 1983, **122**, 243 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13294.

Talmetoprim, INN **T-00012**

2-[4-Amino-5-[(3,4,5-trimethoxyphenyl)methyl]-2-pyrimidinyl]-1H-isoindole-1,3(2H)-dione, 9CI. N-[*4-Amino-5-(3,4,5-trimethoxybenzyl)-2-pyrimidinyl]-phthalimide. Phthaloyl-Trimetoprim. DAN 122*

[66093-35-4]



$C_{22}H_{20}N_4O_5$ M 420.424

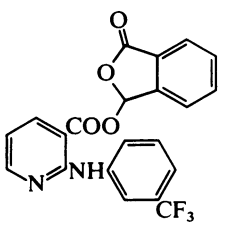
Intestinal antibacterial agent. Cryst. (butanone). Mp 216-218° dec.

Belg. Pat., 850 974, (*1977*); *CA*, **88**, 136656t (*synth*)

Talniflumate, USAN, INN **T-00013**

1,3-Dihydro-3-oxo-1-isobenzofuranyl 2-[[3-(trifluoromethyl)phenyl]amino]-3-pyridinecarboxylate, 9CI. *Somalgen. BA 7602-06*

[66898-62-2]



$C_{21}H_{13}F_3N_2O_4$ M 414.340

Antiinflammatory, analgesic. Cryst. Mp 165-167°.

▷QT2999200.

B,HCl: [72912-14-2]. Mp 158-160°.

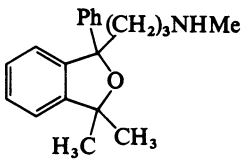
B.P., 1 553 171, (*1979*); *CA*, **93**, 8024b (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3848.

Talopram, INN **T-00014**

1,3-Dihydro-N,3,3-trimethyl-1-phenyl-1-isobenzofuranpropanamine, 9CI. N,*3,3-Trimethyl-1-phenyl-1-phthalanpropylamine,* 8CI. *Phtalapromine*

[7182-51-6]



$C_{20}H_{25}NO$ M 295.424

Antidepressant (catecholamine potentiator).

B,HCl: [7013-41-4]. *Talopram hydrochloride,* USAN. *AY 21554. Lu 3-010.* Mp 190-191°.

▷TH8837500.

Netherlands Pat., 6 603 606, (*1966*); *CA*, **66**, 65392m (*synth, pharmacol*)

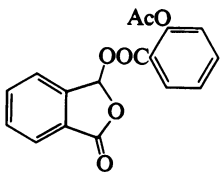
Forshell, G.P. *et al*, *Acta Pharmacol. Toxicol.*, 1968, **26**, 507 (*metab*)

Petersen, P.V. *et al*, *Acta Pharmacol. Toxicol.*, 1970, **28**, 241 (*pharmacol*)

Talosalate, USAN, INN **T-00015**

1,3-Dihydro-3-oxo-1-isobenzofuranyl 2-(acetyloxy)-benzoate, 9CI. *BA 7604-02*

[66898-60-0]



$C_{17}H_{12}O_6$ M 312.278

(±)-*form*

Analgesic, antiinflammatory agent. Cryst. (MeOH). Mp 87-89°.

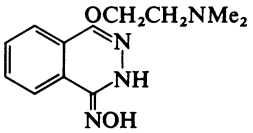
Belg. Pat., 858 864, (*1978*); *CA*, **89**, 109104a (*synth*)

Los, M. *et al*, *Boll. Chim. Farm.*, 1982, **121**, 285 (*synth, pharmacol*)

Taloximine, BAN, INN **T-00016**

4-[2-(Dimethylamino)ethoxy]-1(2H)-phthalazinone oxime, 9CI, 8CI

[17243-68-4]



$C_{12}H_{16}N_4O_2$ M 248.284

Respiratory stimulant. Used mainly as hydrochloride.

Daly, M.J. *et al*, *Br. J. Pharmacol.*, 1969, **35**, 283 (*pharmacol*)

Pearson, J.A. *et al*, *Experientia*, 1969, **25**, 716 (*pharmacol*)

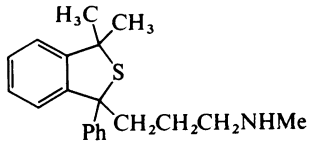
Prime, F. *et al*, *Pharmacol. Clin.*, 1970, **2**, 155 (*metab*)

Story, D.E., *Arch. Int. Pharmacodyn. Ther.*, 1973, **203**, 200 (*pharmacol*)

Talsupram, INN **T-00017**

*1,3-Dihydro-*N*,3,3-trimethyl-1-phenylbenzo*[c]*-thiophene-1-propanamine, 9CI. Thiophtalane. Lu 5-003*

[21489-20-3]



$C_{20}H_{25}NS$ M 311.484

(±)-*form*

Antidepressant.

B,HCl: [25487-28-9]. Mp 173-174°.

S. Afr. Pat., 68 00 199, (*1969*); *CA*, **72**, 90271c (*synth, pharmacol*)

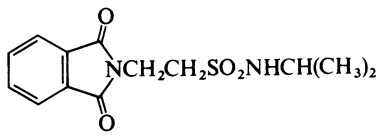
Peterson, P.V. *et al*, *Acta Pharmacol. Toxicol.*, 1970, **28**, 241 (*pharmacol*)

Lassen, N. *et al*, *Acta Chem. Scand.*, 1971, **25**, 2879 (*synth*)

Taltrimide, INN **T-00018**

*1,3-Dihydro-*N*-(1-methylethyl)-1,3-dioxo-2*H*-isoindole-2-ethanesulfonamide, 9CI.* N*-Isopropyl-1,3-dioxo-2-isoindoleethanesulfonamide. Taropid. Tasolid. MPV 117*

[81428-04-8]



$C_{13}H_{16}N_2O_4S$ M 296.340

Anticonvulsant, antiepileptic agent. Cryst. (EtOH). Mp 137-139°.

Pat. Coop. Treaty (*WIPO*), 8 103 492, (*1981*); *CA*, **96**, 162128 (*synth, pharmacol*)

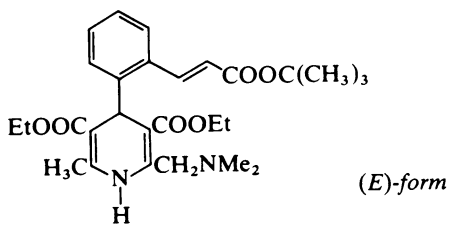
Linden, I.B. *et al*, *Neurochem. Int.*, 1983, **5**, 319; *Prog. Clin. Biol. Res.*, 1983, **125**, 211 (*pharmacol*)

Huxtable, R.J. *et al*, *Neurochem. Int.*, 1985, **7**, 819; *Prog. Clin. Biol. Res.*, 1985, **179**, 435 (*pharmacol*)

Taludipine, BAN, INN **T-00019**

*Diethyl 4-[2-(2-*tert*-butoxycarbonylvinyl)phenyl]-1,4-dihydro-2-dimethylaminomethyl-6-methylpyridine-3,5-dicarboxylate. GR 53992x. GX 1296x*

[108700-30-7]



(*E*)-*form*

$C_{28}H_{38}N_2O_6$ M 498.618

(*E*)-*form* [108687-08-7]

Antihypertensive agent. Yellow cryst. Mp 146-148°.

B,HCl: [108700-03-4]. Yellow solid. Mp 190-193°.

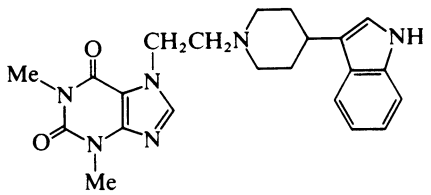
B,HBr: [108686-80-2]. Mp 192-194°.

Ger. Pat., 3 628 215, (*1986*); *CA*, **107**, 23240 (*synth, pharmacol*)

Tameridone, INN **T-00020**

*3,7-Dihydro-7-[2-[4-(1*H*-indol-3-yl)-1-piperidinyl]-ethyl]-1,3-dimethyl-1*H*-purine-2,6-dione, 9CI*

[102144-78-5]



$C_{22}H_{26}N_6O_2$ M 406.486

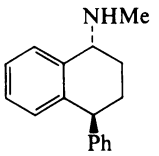
Psychotropic agent. Neurotransmitter antagonist. Cryst. (4-methyl-2-pentanone). Mp 201.2°.

U.S.P., 4 548 939, (*1985*); *CA*, **104**, 224785 (*synth, pharmacol*)

Tametraline, INN **T-00021**

*1,2,3,4-Tetrahydro-*N*-methyl-4-phenyl-1-naphthalenamine, 9CI. 1-Methylamino-4-phenyltetralin*

[52795-02-5]



$C_{17}H_{19}N$ M 237.344

(*1R,4S*)-*form*

Antidepressant.

B,HCl: [52760-47-1]. *Tametraline hydrochloride*, *USAN. CP 24441-1.* Mp 224-225°. $[\alpha]_D^{24}$ −41.4° (c, 1 in MeOH).

Sarges, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1974, **191**, 393 (*pharmacol*)

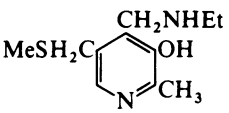
Sarges, R., *J. Org. Chem.*, 1975, **40**, 1216 (*synth, nmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13295.

Tamitinol, BAN, INN **T-00022**

4-[(Ethylamino)methyl]-2-methyl-5-[(methylthio)-methyl]-3-pyridinol, 9CI. EMD 21657

[59429-50-4]



$C_{11}H_{18}N_2OS$ M 226.336

Drug used for treatment of diffuse cerebral disease. Cognition enhancer. Mp 64-65°.

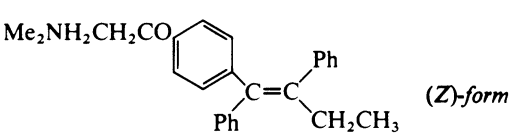
B,2HCl: Mp 238°.

Ger. Pat., 2 459 334, (*1976*); *CA*, **85**, 177256u (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13296.

Tamoxifen, BAN, INN **T-00023**

*2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-*N*,*N*-dimethylethanamine, 9CI. Kessar. Noltam. Nolvadex. Spectrila. Tamaxin. Tamofen. Tamoplex. Valodex. ICI 46474. NSC 180973*



(*Z*)-*form*

$C_{26}H_{29}NO$ M 371.521

The active drug is prob. the 4-OH substd. deriv.

(E)-form [13002-65-8]

ICI 47699

Has no clinical uses. Oestrogen agonist in rats. Cryst. (MeOH). Mp 72-74°.

▷KR5919500.

(Z)-form [10540-29-1]

Antioestrogen. Used to treat mammary tumours. Cryst. (pet. ether). Mp 96-98°.

▷KR5919600.

Citrate (1:1): [54965-24-1]. *Tamoxifen citrate, USAN, JAN.* Mp 140-142°.

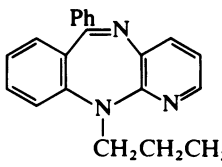
▷KH2387000.

Heel, R.C. *et al, Drugs*, 1978, **16**, 1 (*rev, pharmacol*)
Precigoux, G. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 3070 (*cryst struct*)
Robertson, D.W. *et al, J. Org. Chem.*, 1982, **47**, 2387 (*synth*)
Furr, B.J.A. *et al, Pharmacol. Ther.*, 1984, **25**, 127 (*rev, pharmacol*)
Jordan, V.C., *Pharmacol. Rev.*, 1984, **36**, 245 (*rev, pharmacol*)
Miller, R.B. *et al, J. Org. Chem.*, 1985, **50**, 2121 (*synth, bibl*)
Adam, H.K., *Curr. Clin. Pract. Ser.*, 1986, **31**, 83 (*rev, anal*)
Coe, P.L. *et al, J. Chem. Soc., Perkin Trans. 1*, 1986, 475 (*synth*)
Goldberg, I. *et al, J. Pharm. Sci.*, 1987, **76**, 259 (*struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1865.

Tampramine, INN T-00024

N,N-Dimethyl-6-phenyl-11H-pyrido[2,3-b][1,4]-benzodiazepine-11-propanamine, 9CI

[83166-17-0]



$C_{23}H_{24}N_4$ M 356.469

Antidepressant.

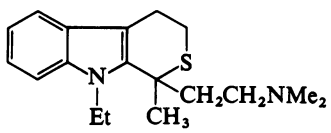
Fumarate (1:1): [83166-18-1]. *Tampramine fumarate, USAN.* Cryst. (2-propanol/isopropyl ether). Mp 171-173°.

U.S.P., 4 447 361, (*1984*); *CA*, **101**, 151891 (*synth*)
Johnson, D.N. *et al, Drug. Dev. Res.*, 1985, **5**, 233 (*pharmacol*)

Tandamine, INN T-00025

9-Ethyl-1,3,4,9-tetrahydro-N,N,1-trimethylthiopyrano[3,4-b]-indole-1-ethanamine, 9CI

[42408-80-0]



$C_{18}H_{26}N_2S$ M 302.477

Antidepressant.

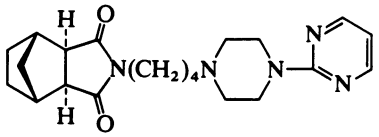
B,HCl: [58167-78-5]. *Tandamine hydrochloride, USAN. AY 23946.* Cryst. (2-propanol). Mp 226-228°.

▷XN3880000.

U.S.P., 3 904 617, (*1976*); *CA*, **84**, 164794x (*synth, pharmacol*)
Jirkovsky, I. *et al, Arzneim.-Forsch.*, 1977, **27**, 1642 (*synth, pharmacol*)
Pugsley, T.A. *et al, Naunyn-Schmiedebergs Arch. Pharmacol.*, 1979, **308**, 239 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13297.

Tandospirone, INN T-00026

Hexahydro-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]-butyl]-4,7-methano-1H-isoindole-1,3(2H)-dione, 9CI. SM 3997



$C_{21}H_{29}N_5O_2$ M 383.492

Anxiolytic agent.

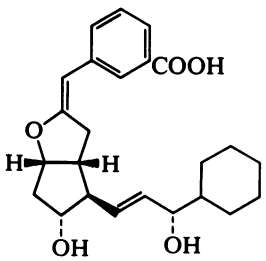
B,HCl: Mp 227-229°.

Eur. Pat., 82 402, (*1983*); *CA*, **99**, 195000z (*synth, pharmacol*)
Shimizu, H. *et al, Jpn. J. Pharmacol.*, 1987, **45**, 493; 1988, **46**, 311 (*pharmacol*)

Taprostene, INN T-00027

3-[[4-(3-Cyclohexyl-3-hydroxy-1-propenyl)hexahydro-5-hydroxy-2H-cyclopenta[b]furan-2-ylidene]methyl]-benzoic acid, 9CI

[108945-35-3]



$C_{24}H_{30}O_5$ M 398.498

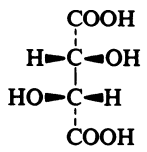
Cardioprotective. No phys. props. reported. Used as Na salt.

Na salt: [87440-45-7]. *CG 4203.*

Flohe, L. *et al, Arzneim.-Forsch.*, 1983, **33**, 1240 (*synth, pharmacol*)
Mueller, B. *et al, Arzneim.-Forsch.*, 1984, **34**, 1506 (*pharmacol*)
Chiang, Y. *et al, J. Org. Chem.*, 1988, **53**, 2552.

Tartaric acid T-00028

2,3-Dihydroxybutanedioic acid, 9CI



(2R,3R)-form

$C_4H_6O_6$ M 150.088

DL-Nomenclature, although frequently used, is ambiguous when applied to Tartaric acid.

(2R,3R)-form [87-69-4]

L-form. L-Threaric acid

Occurs in many plants and fruit. Coml. available from the K,H salt deposited in fermenting grape juice. Acidulant for soft drinks and fruit jellies. Used to clean metals for plating, as a mordant for dyeing and in calico printing. Resolving agent for bases. Pharmaceutical aid (buffering agent). Mp 169-170°. $[\alpha]_D^{20}$ +12.0° (c, 20.0 in H_2O). pK_{a1} 2.98, pK_{a2} 4.34 (25°). Cream of tartar (the K,H salt) is used in baking powder; Rochelle salt (the K,Na salt) is used in electroplating and medicinally as a mild saline cathartic preparation; tartar emetic (the KSb salt) is used in

low dose as an expectorant in cough syrups and in large dose as an emetic.

▷WW7875000.

Mono-Na salt: [526-94-3]. $[\alpha]_D^{19}$ +21.8° (H_2O).

Di-NH_4 salt: [3164-29-2]. $[\alpha]_D^{1.5}$ +34.6° (H_2O).

▷WW8050000.

Di-Me ester: [608-68-4]. *Dimethyl tartrate.*
$C_6H_{10}O_6$ M 178.141
Mp 48°, Mp 62° (dimorph.). $Bp_{11.5}$ 165-166°. $[\alpha]_D$ +6.2° ($CHCl_3$).

Di-Et ester: [87-91-2]. *Diethyl tartrate.*
$C_8H_{14}O_6$ M 206.195
Mp 17°. Bp_{15} 155-156°. $[\alpha]_D^{20}$ +7.5° ($CHCl_3$).

Di-Ph ester: Diphenyl tartrate.
$C_{16}H_{14}O_6$ M 302.283
Needles. Mp 101-102°.

Diamide: [634-63-9].
$C_4H_8N_2O_4$ M 148.118
Mp 195-196°. $[\alpha]_D$ +106.5° (H_2O).

Di-Ac: [51591-38-9]. *2,3-Di-O-acetyltartaric acid. Diacetoxysuccinic acid.*
$C_8H_{10}O_8$ M 234.162
Cryst. + $3H_2O$ (Et_2O). Sol. H_2O. Mp 58°. $[\alpha]_D^{22}$ −23.04° (H_2O).

Dibenzoyl: 2,3-Di-O-benzoyltartaric acid.
$C_{18}H_{14}O_8$ M 358.304
Mp 45.5°. Bp_7 234°. $[\alpha]_{546}^{17.5}$−78.16° (Py).

Anhydride, di-Ac: 3,4-Diacetoxy-3,4-dihydro-2,5(2H,5H)-furandione, 9CI.
$C_8H_8O_7$ M 216.147
Mp 133-134°. $[\alpha]_D^{20}$ +97.2° (c, 0.47 in $CHCl_3$).

Bis-4-methylbenzoyl: Di-p-toluoyl tartrate.
$C_{20}H_{18}O_8$ M 386.357
Resolving agent. Mp 169-171°. $[\alpha]_D$ −141° (EtOH).

*Mono-*tert*-butyl ester:*
$C_8H_{14}O_4$ M 174.196
Cryst. ($CHCl_3/C_6H_6$ <50°). Mp 85°. $[\alpha]_{546}^{22}$+9.88° (c, 1.0 in Me_2CO).

*Di-*tert*-butyl ester:*
$C_{12}H_{22}O_4$ M 230.303
Mp 91°. $[\alpha]_{546}^{22}$+12.2° (c, 1.0 in Me_2CO).

*Mono-*tert*-butyl ether:*
$C_8H_{14}O_4$ M 174.196
Mp 67°. $[\alpha]_D^{22}$ +46° (c, 1.0 in Me_2CO).

*Di-*tert*-butyl ether:*
$C_{12}H_{22}O_4$ M 230.303
Mp 134°. $[\alpha]_{546}^{22}$+54.7° (c, 1 in Me_2CO).

(*2S,3S*)-form [147-71-7]

D-form. D-Threaric acid

Found only in fruits and leaves of the West African tree *Bankinia reticulata*. Mp 169-170°. $[\alpha]_D^{20}$ −20.0° (c, 20.0 in H_2O). Not used commercially.

(*2RS,3RS*)-form [133-37-9]

(±)-*form*

Formed by heating the (+)-acid. Mp 205-206°. The first racemate to be separated into its antipodes.

Di-Me ester: Mp 84°, Mp 90° (dimorph.). Bp 282°, Bp_{12} 158°.

Dinitrile, Di-Ac:
$C_8H_8N_2O_6$ M 228.161
Mp 97-98°.

(*2RS,3SR*)-form [147-73-9]

meso-*form. Racemic acid. Mesotartaric acid*

Mp 159-160°. Not found in nature.

Di-Me ester: [5057-96-5]. Mp 111°.

Di-Et ester: Mp 55°.

Dinitrile:
$C_4H_4N_2O_2$ M 112.088
Plates or prisms (Et_2O). Sol. H_2O. Mp ca. 131° dec. Unstable.

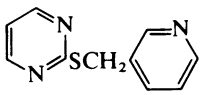
Anhydride, dibenzoyl:
$C_{18}H_{12}O_7$ M 340.289
Mp 207-208°.

Pasteur, L., *Ann. Chim. Phys.*, 1850, **28**, 79.
Bijvoet, J.M. *et al*, *Nature (London)*, 1951, **171**, 168 (*cryst struct*)
Bijovet, J.M. *et al*, *Acta Crystallogr.*, 1958, **11**, 61 (*cryst struct*)
Org. Synth., Coll. Vol., **4**, 242 (*anhydride*)
Handbook of Biochemistry and Molecular Biology; Lipids, Carbohydrates, Steroids, (*Fasman, G.D., Ed.*), 1975, 169
Stothes, J.B. *et al*, *Can. J. Chem.*, 1977, **55**, 841 (*cmr*)
Albertsson, J. *et al*, *J. Appl. Crystallogr.*, 1979, **12**, 537 (*cryst struct*)
Kirk-Othmer Encycl. Chem. Technol., 3rd Ed., 1981, **13**, 103.
Hawthorne, F.C. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 2461 (*cryst struct*)
Buding, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1985, **24**, 513 (*abs config, bibl*)
Uray, G. *et al*, *Tetrahedron*, 1988, **44**, 4357 (*tert*-Butyl esters and ethers)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 351 (*deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 755, 756, 1327.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 486.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2498.

Tasuldine, INN T-00029

2-[(3-Pyridinylmethyl)thio]pyrimidine, 9CI. *HE 10004*

[88579-39-9]



$C_{10}H_9N_3S$ M 203.261

Bronchosecretolytic. Cryst. (2-propanol). Mp 53°.

B,HCl: [88579-40-2]. Mp 134-135°.

Succinate (1:1): [106651-53-0]. Mp 97-98°.

Schickaneder, H. *et al*, *J. Med. Chem.*, 1987, **30**, 547 (*synth, pharmacol*)

Taurine, INN T-00030

2-Aminoethanesulfonic acid. Aminoethylsulfonic acid. Ethylaminesulfonic acid. O-Due

[107-35-7]

$H_2NCH_2CH_2SO_3H$

$C_2H_7NO_3S$ M 125.142

Occurs free in lungs and flesh extract of oxen. Found mainly combined in shark blood, liver, spleen and kidney of ray, in muscles, molluscs etc. Intermed. in metab. of cysteine. Used as an adjunct to treatment of hypercholesterolaemia. Metabolic regulator.

Monoclinic prismatic rods. Sol. H_2O, insol. EtOH. Mp 328°. pK_{a1} 1.5, pK_{a2} 8.74. Dec. ca. 300°.

▷Highly toxic. Emits toxic fumes on heating. WX0175000.

N-*Me:* [107-68-6].
$C_3H_9NO_3S$ M 139.169
Prisms. V. sol. H_2O, insol. EtOH, Et_2O. Mp 241-242°.

N,N-*Di-Me:* [637-95-6].
$C_4H_{11}NO_3S$ M 153.196

Obt. from *Corallina officinalis*. Prisms (MeOH). V. sol. H_2O, AcOH, insol. EtOH, Et_2O. Mp 315-316°.

Amide; B,HCl:
$C_2H_8N_2O_2S$ M 124.157
Plates (EtOH). Mp 133°.

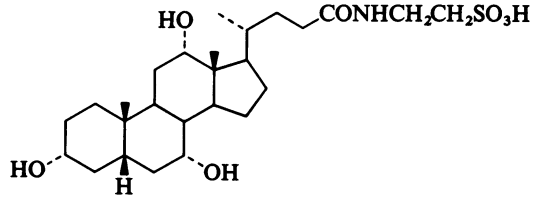
N-*Carbamyl:* N-*Carbamyltaurine.*
$C_3H_8N_2O_4S$ M 168.167
Urinary metab. of taurine in rats.

Org. Synth., Coll. Vol., **2**, 563, 564 (*synth*)
Huxtable, R. *et al*, (*Eds.*), *Taurine*, Raven Press, New York, 1975 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13299.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 359.

Taurocholic acid T-00031

N-*3α,7α,12α-Trihydroxy-5β-cholan-24-oyltaurine. Cholyltaurine*

[81-24-3]



$C_{26}H_{45}NO_7S$ M 515.704
Constit. of bile. Choleretic. Hepatoprotectant. Amorph. powder. Mp 125° dec. $[\alpha]_D^{20}$ +38.8° (EtOH aq.). pK_a 1.40. Very hygroscopic.

▷WX0350000.

Na salt: [145-42-6]. Lipase accelerator. Cryst. (EtOH/EtOAc). Mp 182-184° (anhyd.), 235° (+ $2H_2O$).

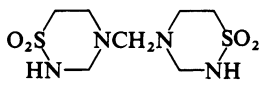
▷WX0400000.

Begemann, F., *Z. Klin. Chem. Klin. Biochem.*, 1972, **10**, 29 (*isol*)
Tserng, K-Y., *J. Lipid Res.*, 1977, **18**, 404 (*synth*)
Shaw, R. *et al*, *Lipids*, 1978, **13**, 971 (*ms*)

Taurolidine, BAN, INN T-00032

4,4'-Methylenebis[tetrahydro-2H-1,2,4-thiadiazine] 1,1,1',1'-tetraoxide, 9CI, 8CI. Drainasept. Tauroflex. Taurolin

[19388-87-5]



$C_7H_{16}N_4O_4S_2$ M 284.348
Antibacterial. Cryst. Mp 154-158°.

Fr. Pat., 1 458 701, (*1966*); *CA*, **69**, 36190a (*synth*)
Browne, M.K. *et al*, *J. Appl. Bacteriol.*, 1976, **41**, 363 (*pharmacol*)
Steinbach-Lebbin, C. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1542 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17001.

Tauromustine, INN T-00033

2-[[[(2-Chloroethyl)nitrosoamino]carbonyl]amino]-N,N-dimethylethanesulfonamide, 9CI. 1-(2-Chloroethyl)-3-[2-(dimethylsulfamoyl)ethyl]-1-nitrosourea. Tauricyt. LS 2667

[85977-49-7]

$ClCH_2CH_2N(NO)CONHCH_2CH_2SO_2NMe_2$

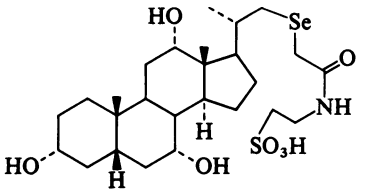
$C_7H_{15}ClN_4O_4S$ M 286.733
Antineoplastic agent. Mp 65-67°.

Eur. Pat., 106 123, (*1984*); *CA*, **101**, 130260 (*synth, pharmacol*)

Tauroselcholic acid, BAN, INN T-00034

2-[[[(3,7,12-Trihydroxy-20-methylpregnan-21-yl)-seleno]acetyl]amino]ethanesulfonic acid. N-(3α,7α,12α-Trihydroxy-23,24-dinor-5β-cholan-22-ylselenoacetyl)-taurine

[75018-71-2]



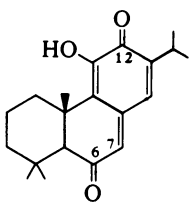
$C_{26}H_{45}NO_7SSe$ M 594.664
Diagnostic aid, normally employed as ^{75}Se-labelled material. Powder.

B.P., 2 028 333, (*1980*); *CA*, **93**, 150499d (*synth*)
Boyd, G.S. *et al*, *J. Nucl. Med.*, 1981, **22**, 720 (*synth, pharmacol*)

Taxodione T-00035

11-Hydroxy-7,9(11),13-abietatriene-6,12-dione

[19026-31-4]



$C_{20}H_{26}O_3$ M 314.424
Tumour inhibitor from *Taxodium distichum*. Golden plates (MeOH). Mp 115-116°. $[\alpha]_D^{25}$ +56° (c, 1 in $CHCl_3$).

14-Hydroxy: 11,14-Dihydroxy-7,9(11),13-abietatriene-6,12-dione.
$C_{20}H_{26}O_4$ M 330.423
Constit. of *Plectranthus grandidentatus*. Orange prisms (Me_2CO). Mp 190-191°.

Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3912 (*isol, struct*)
Matsumoto, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1977, **50**, 1575 (*synth*)
Rüedi, P. *et al*, *Helv. Chim. Acta*, 1981, **64**, 2219 (*deriv*)
Uchida, M. *et al*, *Helv. Chim. Acta*, 1981, **64**, 2227 (*deriv*)
Johnson, W.S. *et al*, *Tetrahedron*, 1982, **38**, 1397 (*synth*)
Burnell, R.H. *et al*, *Can. J. Chem.*, 1987, **65**, 775 (*synth*)

Taxodone T-00036

6α,11-Dihydroxy-7,9(11),13-abietatrien-12-one

$C_{20}H_{28}O_3$ M 316.439
Tumour inhibitor from *Taxodium distichum*. Yellow plates (Et_2O/pet. ether). Mp 164-165°. $[\alpha]_D^{25}$ +50° (c, 2.5 in $CHCl_3$).

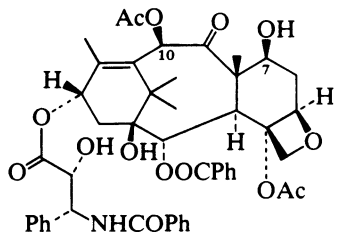
(+)-***form*** [19039-02-2]

Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3912.

Taxol **T-00037**

NSC 125973

[33069-62-4]



$C_{47}H_{51}NO_{14}$ M 853.918

Isol. from the stem bark of *Taxus brevifolia* and *T. cuspidata* (Taxaceae). Antileukaemic and antitumour agent, esp. against melanoma and ovarian tumours. Use limited by low solubility. Biochemical tool extensively used to study cellular shape and function. Needles (MeOH aq.). Mp 213-216°. $[\alpha]_D^{20}$ −49° (MeOH).

▷Toxic, LD_{50} ~9 mg/kg (dog). WX1272100.

10-Deacetyl: ***10-Deacetyltaxol***.

$C_{45}H_{49}NO_{13}$ M 811.881

Constit. of *T. wallichiana* (Taxaceae). Amorph. powder.

7-Epimer: ***7-epi-Taxol***.

$C_{47}H_{51}NO_{14}$ M 853.918

From *T. brevifolia* (Taxaceae). Cryst. Mp 168-171°. $[\alpha]_D^{23}$ −32.3° (c, 0.012 in MeOH).

10-Deacetyl, 10-ketone, 7-epimer: ***10-Deactyl-10-oxo-7-epi-taxol***.

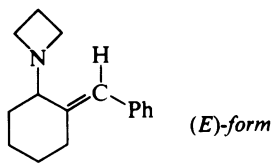
$C_{45}H_{47}NO_{13}$ M 809.865

From *T. brevifolia*. Oil. $[\alpha]_D^{23}$ −60.4° (c, 0.002 in MeOH).

Wani, M.S. *et al*, *J. Am. Chem. Soc.*, 1971, **93**, 2325 (*isol, nmr, ms, ir, uv*)
McLaughlin, J.L. *et al*, *J. Nat. Prod.*, 1981, **44**, 312 (*isol, deriv*)
Suffness, A. *et al*, *Alkaloids (N.Y.)*, 1985, **25**, 10 (*rev, pharmacol*)
Horwitz, S.B. *et al*, *Ann. N.Y. Acad. Sci.*, 1986, **466**, 733 (*rev, pharmacol*)
Huang, C.H.O. *et al*, *J. Nat. Prod.*, 1986, **49**, 665 (*isol, deriv*)

Tazadolene, INN **T-00038**

1-[2-(Phenylmethylene)cyclohexyl]azetidine, *9CI*. *1-[2-Benzylidenecyclohexyl]azetidine*



(*E*)-form

$C_{16}H_{21}N$ M 227.349

***(E)*-(±)-form** [87936-75-2]

Analgesic. Pale-yellow oil.

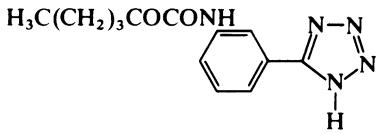
Succinate (1:1): [87936-82-1]. *Tazadolene succinate*, *USAN*. *U 53996*H. Cryst. Mp 145-147°.

Eur. Pat., 85 811, (*1983*); *CA*, **100**, 6311 (*synth, pharmacol*)
Franks, T.J. *et al*, *J. Chromatogr.*, 1986, **353**, 379 (*hplc*)

Tazanolast, INN **T-00039**

Oxo[[3-(1H-tetrazol-5-yl)phenyl]amino]acetic acid butyl ester, *9CI*. *Butyl 3'-(1H-tetrazol-5-yl)oxanilate*. *MTB. WP 833*

[82989-25-1]



$C_{13}H_{15}N_5O_3$ M 289.293

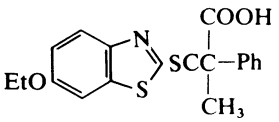
Antiallergic agent.

Eur. Pat., 256 507, (*1988*); *CA*, **108**, 221708 (*synth, props*)
Yanagihara, Y. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 70, 80, 84, 88 (*pharmacol*)

Tazasubrate, BAN, INN **T-00040**

α-[(6-Ethoxy-2-benzothiazolyl)thio]-α-methylbenzeneacetic acid, *9CI*. *2-[(6-Ethoxy-2-benzothiazolyl)thio]-2-phenylpropionic acid*

[79071-15-1]



$C_{18}H_{17}NO_3S_2$ M 359.457

(±)-form

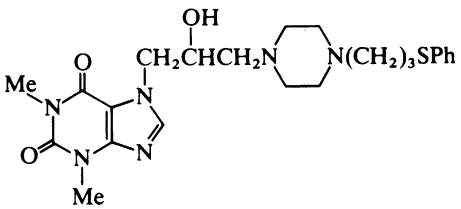
Hypolipaemic agent. Cryst. (CCl_4). Mp 152-153°.

Ger. Pat., 2 950 095, (*1981*); *CA*, **95**, 132865g (*synth, pharmacol*)

Tazifylline, INN **T-00041**

3,7-Dihydro-7-[2-hydroxy-3-[4-[3-(phenylthio)propyl]-1-piperazinyl]propyl]-1,3-dimethyl-1H-purine-2,6-dione, *9CI*

[79712-55-3]



$C_{23}H_{32}N_6O_3S$ M 472.604

(±)-form

H_1-receptor antagonist. Antihistamine. Bronchodilator.

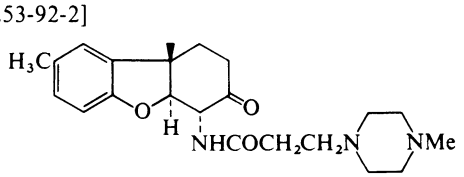
B,2HCl: Tazifylline hydrochloride, *USAN*. *LN 2974. RS 49014*. Cryst. (EtOH). Mp 209°.

Pascal, J.C. *et al*, *J. Med. Chem.*, 1985, **28**, 647 (*synth, pharmacol*)
Poizot, A. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 695 (*pharmacol*)
Delee, E. *et al*, *Chromatographia*, 1987, **24**, 357 (*hplc, resoln*)

Taziprinone, INN **T-00042**

N-(1,2,3,4,4a,9b-Hexahydro-8,9b-dimethyl-3-oxo-4-dibenzofuranyl)-4-methyl-1-piperazinepropanamide, *9CI*. *Azipranone. Drazifon. RU 20201*

[79253-92-2]



$C_{22}H_{31}N_3O_3$ M 385.505

(4RS,4aRS,9bSR)-form

Antitussive agent.

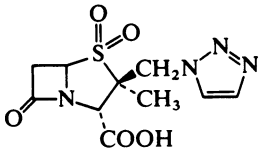
B,2HCl: [68491-57-6]. Cryst. (EtOH/Et_2O). Mp 218-221°.

Matharu, S.S. *et al*, *J. Med. Chem.*, 1977, **20**, 197 (*synth, pharmacol*)
Pickering, R.W. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 642 (*pharmacol*)
Yanaura, S. *et al*, *Jpn. J. Pharmacol.*, 1984, **34**, 289 (*pharmacol*)

Tazobactam, INN **T-00043**

3-Methyl-7-oxo-3-(1H-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide, 9CI. YTR 830H

[89786-04-9]



$C_{10}H_{12}N_4O_5S$ M 300.289

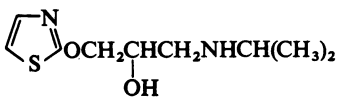
β-Lactamase inhibitor. Mp 170° dec. (as Na salt).

Hall, T.W. *et al*, *Spec. Publ.-R. Soc. Chem.*, 1985, **52**, 242 (*rev*)
Appelbaum, P.C. *et al*, *Antimicrob. Agents Chemother.*, 1986, **30**, 789 (*activity*)
Micetich, R.G. *et al*, *J. Med. Chem.*, 1987, **30**, 1469 (*synth, pharmacol*)
Yamake, S. *et al*, *Chemioterapia*, 1987, **6**, 337 (*pharmacol*)

Tazolol, INN **T-00044**

1-[(1-Methylethyl)amino]-3-(2-thiazolyloxy)-2-propanol, 9CI

[39832-48-9]



$C_9H_{16}N_2O_2S$ M 216.298

(±)-form

Cardiotonic drug.

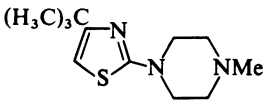
B,HCl: [38241-39-3]. *Tazolol hydrochloride, USAN. H 110/38. RS 6245.* Mp 162-163°.

Roszkowski, A.P. *et al*, *Experientia*, 1972, **28**, 1336 (*synth, pharmacol*)
Vauquelin, G. *et al*, *Biochem. Pharmacol.*, 1976, **25**, 2605 (*activity*)
Martinelli, A. *et al*, *J. Phys. Chem.*, 1980, **84**, 105 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13300.

Tebatizole, INN **T-00045**

1-[4-(1,1-Dimethylethyl)-2-thiazolyl]-4-methylpiperazine, 9CI. 1-(4-tert-Butyl-2-thiazolyl)-4-methylpiperazine. PZ 100-862

[54147-28-3]



$C_{12}H_{21}N_3S$ M 239.378

Antidepressant. $Bp_{0.2}$ 97-99°.

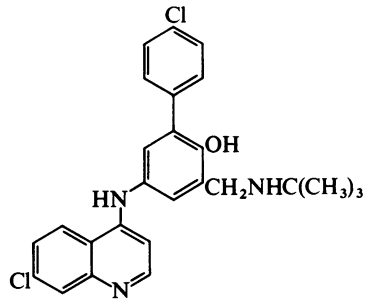
B,HCl: Cryst. (EtOH). Mp 206°.

Ger. Pat., 2 404 050, (*1974*); *CA*, **81**, 152274c (*synth*)

Tebuquine, USAN, INN **T-00046**

4'-Chloro-5-[(7-chloro-4-quinolinyl)amino]-3-[[(1,1-dimethylethyl)amino]methyl] [1,1'-biphenyl]-2-ol, 9CI. CI 897. WR 228,258

[74129-03-6]



$C_{26}H_{25}Cl_2N_3O$ M 466.409

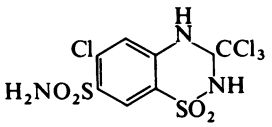
Antimalarial agent. Cryst. (MeCN). Mp 228° dec.

Peters, W. *et al*, *Ann. Trop. Med. Parasitol.*, 1984, **78**, 561, 567 (*props*)
Werbel, L.M. *et al*, *J. Med. Chem.*, 1986, **29**, 924 (*synth, pharmacol*)

Teclothiazide, BAN, INN **T-00047**

6-Chloro-3,4-dihydro-3-(trichloromethyl)-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI. Deleil. Deplet. PS 207. Tetrachlormethiazide. Trichlormethylhydrochlorothiazide

[4267-05-4]



$C_8H_7Cl_4N_3O_4S_2$ M 415.093

(±)-form

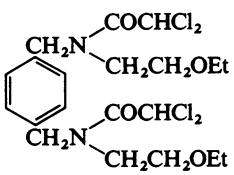
Diuretic. Cryst. (monoglyme aq.). Mp 287°, 300-303° dec.

Close, W.J. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 1132 (*synth*)
Novello, F.C. *et al*, *J. Org. Chem.*, 1960, **25**, 970 (*synth*)
Sherlock, M.H. *et al*, *Experientia*, 1960, **5**, 184 (*pharmacol*)
Auclair, M. *et al*, *Therapie*, 1963, **18**, 131 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2356.

Teclozan, INN, USAN **T-00048**

N,N'-[1,4-Phenylenebis(methylene)]bis[2,2-dichloro-N-(2-ethoxyethyl)acetamide], 9CI. N,N'-(p-Phenylenedimethylene)bis[2,2-dichloro-N-(2-ethoxyethyl)acetamide], 8CI. Falmonox. NSC 107433. Teclozine. Win 13146

[5560-78-1]



$C_{20}H_{28}Cl_4N_2O_4$ M 502.264

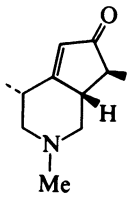
Antiamoebic agent. Mp 137.6-143.9°.

Surrey, A.R. *et al*, *J. Med. Chem.*, 1961, **3**, 409 (*synth, pharmacol*)
Surrey, A.R. *et al*, *Drugs of Today*, 1978, **14**, 454 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4798.

Tecomanine T-00049

Tecomine

[6878-83-7]



Absolute configuration

$C_{11}H_{17}NO$ M 179.261

Major alkaloid from *Calopogonium stans* and *C. fulva* (Leguminosae). Hypoglycaemic agent. *Tecoma* extracts are used in Mexico for control of diabetes. $Bp_{0.1}$ 125°. $[\alpha]_D^{24}$ −175° (c, 1.17 in $CHCl_3$).

▷WX8575000.

Picrate: Mp 179.5-180.5°.

2,4-Dinitrophenylhydrazone: Mp 260°.

Dickinson, E.M. *et al*, *Tetrahedron*, 1969, **25**, 1523 (*ir, uv, pmr, isol, struct*)

Jones, G. *et al*, *J. Chem. Soc., Chem. Commun.*, 1971, 994 (*cryst struct*)

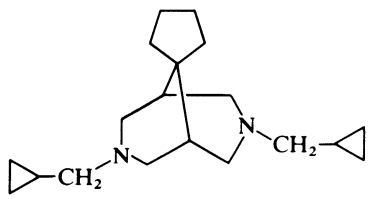
Berg, W. *et al*, *Pharmazie*, 1977, **32**, 41 (*ms*)

Imanishi, T. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 1243 (*synth*)

Tedisamil, INN T-00050

3′,7′-Bis(cyclopropylmethyl)spiro[cyclopentane-1,9′-[3,7]diazabicyclo[3.3.1]nonane], *9CI*

[90961-53-8]



$C_{19}H_{32}N_2$ M 288.475

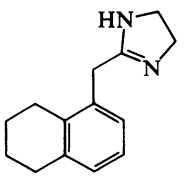
Antiarrhythmic, antiischaemic agent. $Bp_{0.1}$ 230°.

Ger. Pat., 3 234 697, (*1984*); *CA*, **101**, 55089 (*synth, pharmacol*)

Tefazoline, INN T-00051

2-[(5,6,7,8-Tetrahydro-1-naphthyl)methyl]-2-imidazoline. 4,5-Dihydro-2-[(5,6,7,8-tetrahydro-1-naphthyl)-methyl]-1H-imidazole. Tenaphthoxaline. Rhino-Benzo. Rhinodol. Rinidol. UCB 1109

[1082-56-0]



$C_{14}H_{18}N_2$ M 214.310

Vasoconstrictor; nasal decongestant. $Bp_{0.01}$ 170-172°. Used as nitrate.

U.S.P., 2 778 836, (*1957*); *CA*, **52**, 12928 (*synth, pharmacol*)

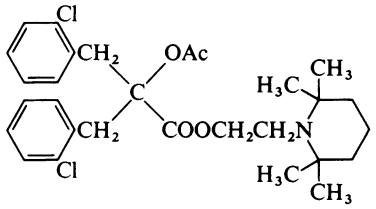
Mujic, M. *et al*, *Arch. Int. Pharmacodyn.*, 1965, **155**, 432 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13303.

Tefenperate, INN T-00052

2-(2,2,6,6-Tetramethyl-1-piperidinyl)ethyl α-(acetyloxy)-2-chloro-α-[(2-chlorophenyl)-methylbenzenepropanoate, *9CI*. *2-(2,2,6,6-Tetramethylpiperidino)ethyl o-chloro-α-(o-chlorobenzyl)-α-hydroxyhydrocinnamate acetate. Gö 3471*-B

[77342-26-8]



$C_{29}H_{37}Cl_2NO_4$ M 534.522

Antihypertensive. Used as hydrochloride or sulphate.

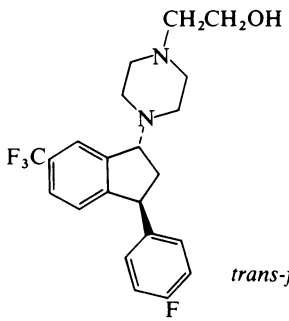
B,HCl: Mp 181.7°.

Ger. Pat., 2 362 708, (*1975*); *CA*, **83**, 163838g (*synth, pharmacol*)

Tefludazine, INN T-00053

4-[3-(4-Fluorophenyl)-2,3-dihydro-6-(trifluoromethyl)-1-inden-1-yl-1-piperazineethanol, *9CI*. *4-[3-(4-Fluorophenyl)-6-(trifluoromethyl)-1-indanyl]-1-piperazineethanol. Lu 18-012*

[80680-06-4]



trans-form

$C_{22}H_{24}F_4N_2O$ M 408.438

trans*-(±)-*form [80273-79-6]

Antipsychotic, neuroleptic. Mp 85-86°.

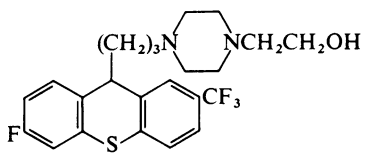
Boegesoe, K.P., *J. Med. Chem.*, 1983, **26**, 935 (*synth, pharmacol*)

Jensen, B., *Acta Crystallogr., Sect. C*, 1983, **39**, 1055 (*cryst struct*)

Teflutixol, INN T-00054

4-[3-[6-Fluoro-2-(trifluoromethyl)-9H-thioxanthen-9-yl]propyl]-1-piperazineethanol, *9CI*. *Flutixan. Lu 10-022*

[55837-23-5]



$C_{23}H_{26}F_4N_2OS$ M 454.525

(±)-*form*

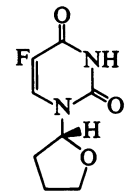
Tranquilliser. Cryst. (MeOH). Mp 225-228°.

Ger. Pat., 2 359 359, (*1974*); *CA*, **81**, 105571n (*synth, pharmacol*)

Tegafur, USAN, INN, BAN **T-00055**

5-Fluoro-1-(tetrahydro-2-furanyl)-2,4(1H,3H)-pyrimidinedione, 9CI. 5-Fluoro-1-(tetrahydro-2-furyl)-uracil. Ftorafur. Furflucil. NSC 148958. Numerous other synonyms

[17902-23-7]



(R)-form

$C_8H_9FN_2O_3$ M 200.169

▷YR0450000.

(R)-form [37076-68-9]

Mp 174-175.5°. $[\alpha]_D^{23}$ +70.0° (c, 0.5 in $CHCl_3$).

▷YR0451000.

(S)-form [55374-30-6]

Mp 175-177°. $[\alpha]_D^{23}$ −70.0° (c, 0.5 in $CHCl_3$).

(±)-form [65732-47-0]

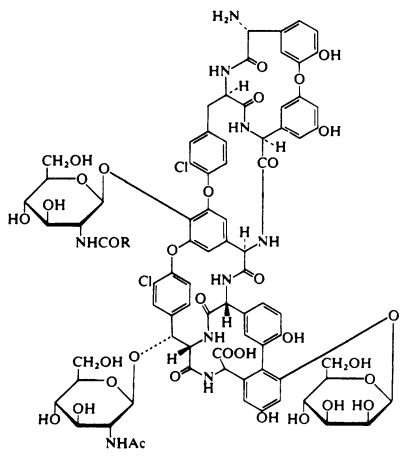
Antitumour agent. Dimorph. cryst. (EtOH). Mp 165-166°, Mp 172-173°. Component of UFT.

Yasumoto, M. *et al, J. Med. Chem.*, 1977, **20**, 1592 (*synth, resoln*)
Loo, T.L. *et al, Drug. Metab. Rev.*, 1978, **8**, 137 (*metab, rev*)
Au, J. *et al, Cancer Chemother. Pharmacol.*, 1981, **7**, 55 (*metab*)
Yamamoto, S. *et al, Arzneim.-Forsch.*, 1981, **31**, 1268 (*pharmacol*)
Nakai, Y. *et al, Chem. Pharm. Bull.*, 1982, **30**, 2629; 1986, **34**, 1242 (*cryst struct, bibl*)
Fujimoto, S., *Drugs of Today*, 1985, **21**, 125 (*rev, pharmacol*)
Ozaki, S. *et al, Chem. Pharm. Bull.*, 1986, **34**, 150 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1867.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 878.

Teichomycin, BAN **T-00056**

Teicoplanin, *BAN, INN,* ***USAN****. Tecoplanin. A 8327. DL 507IT. L 12507. MDL 507. MW 1900*

[61036-62-2]



R = $-CH_2CH_2CH{=}CH(CH_2)_4CH_3$
Teicoplanin A2$_1$

Glycopeptide antibiotic complex. Isol. from *Actinoplanes teichomyceticus*. Highly active against staphylococci and gram-positive anaerobes.

Teichomycin A$_1$ [61036-63-3]

$C_{142}H_{245}N_{12}O_{69}P$ M 3255.510

Active against gram-positive and negative bacteria. Mp 220° dec.

Teichomycin A$_2$ [61036-64-4]

Active against gram-negative bacteria. Amorph. powder. Mp 260° dec. A_2 complex consists of five separate factors $A2_1$ to $A2_5$.

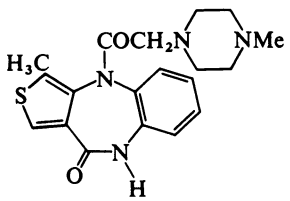
▷WY1550000.

Ger. Pat., 2 608 216, (*1976*); *CA*, **86**, 3563 (*isol*)
Bardone, M.R. *et al, J. Antibiot.*, 1978, **31**, 170 (*isol, props, uv, ir*)
Parenti, F. *et al, J. Antibiot.*, 1978, **31**, 276 (*isol, props*)
Pallanza, R. *et al, J. Antimicrob. Chemother.*, 1983, **11**, 94, 419 (*props*)
Borghi, A. *et al, J. Antibiot.*, 1984, **37**, 615 (*struct*)
Malabaric, J.C. *et al, J. Antibiot.*, 1984, **37**, 988 (*struct*)
Williams, A.H. *et al, J. Antimicrob. Chemother.*, 1984, **14**, 441 (*rev, pharmacol*)
Pryka, R.D. *et al, Clin. Pharm.*, 1988, **7**, 647 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18689.

Telenzepine, INN **T-00057**

4,9-Dihydro-3-methyl-4-[(4-methyl-1-piperazinyl)-acetyl]-10H-thieno[3,4-b][1,5]benzodiazepin-10-one, 9CI

[80880-90-6]



$C_{19}H_{22}N_4O_2S$ M 370.468

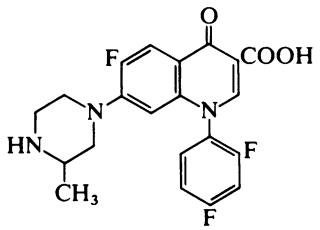
Antiulcer agent. Cryst. (Me_2CO). Mp 177-178°.

Eur. Pat., 39 519, (*1980*); *CA*, **96**, 104288y (*synth, pharmacol*)
Eltze, M. *et al, Eur. J. Pharmacol.*, 1985, **112**, 211 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3637.

Temafloxacin, INN, BAN **T-00058**

1-(2,4-Difluorophenyl)-6-fluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, 9CI

[108319-06-8]



$C_{21}H_{18}F_3N_3O_3$ M 417.387

(±)-form [108138-28-9]

Antibacterial agent. Cryst. + $1.5H_2O$ ($CHCl_3$/EtOH). Mp 274-276°.

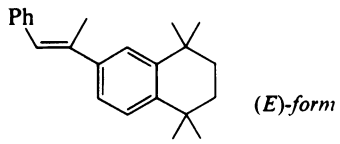
B,HCl: [105784-61-0]. *A 62254.*

Narita, H. *et al, Yakugaku Zasshi*, 1986, **106**, 795 (*synth, pharmacol*)
Hardy, D.J. *et al, Antimicrob. Agents Chemother.*, 1987, **31**, 1768 (*pharmacol*)

Temarotene, INN **T-00059**

1,2,3,4-Tetrahydro-1,1,4,4-tetramethyl-6-(1-methyl-2-phenylethenyl)naphthalene, 9CI

[89410-65-1]



(*E*)-form

$C_{23}H_{28}$ M 304.474

(E)-form [75078-91-0]

Ro 15-0778

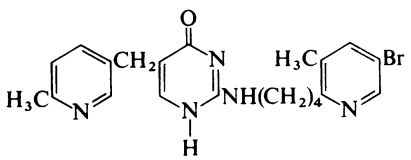
Antiseborrheic; used to treat acne. Mp 81-82°.

Loeliger, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1980, **15**, 9 (*synth, props*)
Ger. Pat., 3 323 585, (*1984*); *CA*, **100**, 215509 (*synth, pharmacol*)
Connor, M.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1986, **237**, 31 (*pharmacol*)
Puglisi, C.V. *et al*, *J. Chromatogr.*, 1987, **419**, 253 (*hplc*)
Strauss, J.S. *et al*, *Arch. Dermatol. Res.*, 1988, **280**, 152 (*pharmacol*)

Temelastine, BAN, INN, USAN **T-00060**

2-[[4-(5-Bromo-3-methyl-2-pyridinyl)butyl]amino]-5-[(6-methyl-3-pyridinyl)methyl]-4(1H)-pyrimidinone, 9CI. *2-[4-(5-Bromo-3-methyl-2-pyridyl)butylamino]-5-(6-methyl-3-pyridylmethyl)pyrimidin-4(1H)-one. SKF 93944*

[86181-42-2]



$C_{21}H_{24}BrN_5O$ M 442.358

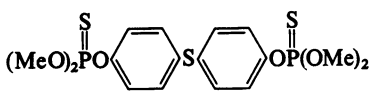
Histamine H_1-antagonist. Cryst. ($EtOH/Et_2O$). Mp 151-152°.

Eur. Pat., 68 833, 68 834, (*1983*); *CA*, **99**, 22483, **98**, 215607n (*synth, pharmacol*)
Alexander, F. *et al*, *J. Int. Med. Res.*, 1986, **14**, 200 (*pharmacol*)
Bavin, P.M.G. *et al*, *Z. Naturforsch., A*, 1986, **41**, 195 (*N-14 nqr*)
Brown, E.A. *et al*, *Br. J. Pharmacol.*, 1986, **87**, 569 (*pharmacol*)
Rogers, S.J. *et al*, *J. Pharm. Sci.*, 1986, **75**, 813 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18690.

Temephos, BSI **T-00061**

O,O′-(*Thiodi-4,1-phenylene*) *bis*(O,O-*dimethyl phosphorothioate*), 9CI. O,O,O′,O′-*Tetramethyl* O,O′-*thiodi-p-phenylene bis(phosphorothioate)*. ***Temefos,*** USAN, ***INN***. *Abathion. Abate*

[3383-96-8]



$C_{16}H_{20}O_6P_2S_3$ M 466.458

Public health and agricultural insecticide. Cryst. solid. Tech. brown visc. liq. V. spar. sol. H_2O, hexane, sol. CCl_4, Et_2O, toluene. Mp 30-30.5°. Rapidly decomp. in MeOH by sunlight.

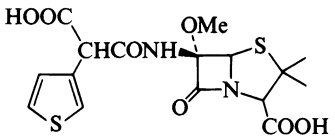
▷TF6890000.

U.S.P., 3 317 636, (*1963*); *CA*, **63**, 11433e
Babad, H. *et al*, *Anal. Chim. Acta*, 1968, **41**, 259 (*pmr*)
Ross, R.T. *et al*, *Anal. Chem. Acta*, 1970, **52**, 139 (*P nmr*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Ripley, B.D. *et al*, *J. Assoc. Off. Anal. Chim.*, 1983, **66**, 1084 (*glc*)
Ding, X.D. *et al*, *J. Agric. Food Chem.*, 1984, **32**, 622 (*hplc*)
Opong-Mensah, K., *Residue Rev.*, 1984, **91**, 47 (*rev*)
Pesticide Manual, 6th Ed., 497; 7th Ed., 509.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3609.

Temocillin, BAN, INN, USAN **T-00062**

Methoxyticarcillin

[61545-06-0]



$C_{16}H_{18}N_2O_7S_2$ M 414.447

Semisynthetic penicillin. Clinically used antibiotic. Shows high activity against gram-negative organisms.

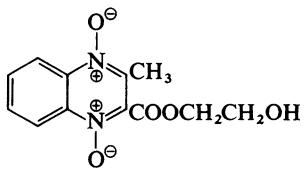
Di-Na salt: Temopen. BRL 17421. Antibiotic BRL 17421. Amorph. powder.

Bentley, P.H. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 2455 (*synth*)
Jules, K. *et al*, *Antimicrob. Agents Chemother.*, 1982, **22**, 453.
Phillips, I. *et al*, *J. Antimicrob. Chemother.*, 1982, **10**, 271 (*props*)
Verbist, L., *Antimicrob. Agents Chemother.*, 1982, **22**, 157.
Lode, H. *et al*, Eds., *Drugs*, 1985, **29**, Suppl. 5 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17002.

Temodox, INN, USAN **T-00063**

2-Hydroxyethyl 3-methyl-2-quinoxalinecarboxylate 1,4-dioxide, 9CI, 8CI. *CP 22341*

[34499-96-2]



$C_{12}H_{12}N_2O_5$ M 264.237

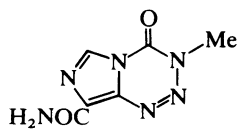
Veterinary growth stimulant, antibacterial agent.

Ger. Pat., 2 111 710, (*1971*); *CA*, **76**, 3900y (*synth, pharmacol*)

Temozolomide, BAN, INN **T-00064**

3,4-Dihydro-3-methyl-4-oxoimidazo[5,1-d][1,2,3,5]-tetrazine-8-carboxamide, 9CI. *Methazolastone. CCRG 81045. M&B 39831. NSC 362856*

[85622-93-1]



$C_6H_6N_6O_2$ M 194.152

Antineoplastic agent. Light-brown solid. Mp 210-212° dec.

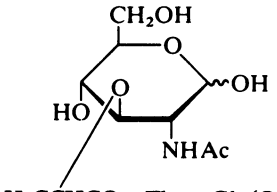
B.P., 2 104 522, (*1983*); *CA*, **98**, 198285m (*synth*)
Stevens, M.F.G. *et al*, *J. Med. Chem.*, 1984, **27**, 196 (*synth, ir, pmr*)

Tisdale, M.J., *Br. J. Cancer*, 1985, **52**, 789 (*pharmacol*)
Bull, V.L. *et al*, *Biochem. Pharmacol.*, 1987, **36**, 3215 (*pharmacol*)
Stevens, M.F.G. *et al*, *Cancer Res.*, 1987, **47**, 5846 (*synth, pharmacol*)

Temurtide, INN T-00065

N^2-[N-(N-*Acetylmuramoyl*)-L-*threonyl*]-D-α-*glutamine*, *9CI*

[66112-59-2]



H_3CCHCO-L-Thr-D-Glu(OH)-NH_2

$C_{20}H_{34}N_4O_{12}$ M 522.508

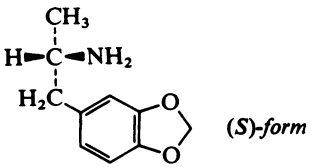
Immune adjuvant. $[\alpha]_D^{27}$ +51.3° (c, 0.4 in EtOH).

Azuma, I. *et al*, *Infect. Immun.*, 1980, **29**, 1193 (*activity*)
Kobayashi, S. *et al*, *Bull. Chem. Soc. Jpn.*, 1980, **53**, 2570 (*synth*)
Waters, R.V. *et al*, *J. Reticuloendothel. Soc.*, 1980, **28**, 457 (*activity*)
Waters, R.V. *et al*, *Infect. Immun.*, 1986, **51**, 816 (*pharmacol*)

Tenamfetamine, INN T-00066

α-*Methyl-1,3-benzodioxole-5-ethanamine*, *9CI*. α-*Methyl-3,4-(methylenedioxy)phenethylamine*. *3,4-Methylenedioxyamphetamine*. *MDA*. *EA 1299*

[4764-17-4]



(*S*)-*form*

$C_{10}H_{13}NO_2$ M 179.218

▷SI0580000.

(*S*)-*form* [65620-66-8]

$[\alpha]_D^{25}$ +24.6° (c, 1 in hexane).

B,HCl: [70745-97-0]. Cryst. (EtOH/Et_2O). Mp 200-202°. $[\alpha]_D$ +26.52° (c, 2 in H_2O).

(±)-*form* [51497-09-7]

Psychomimetic. Bp_{22} 157°, Bp_{19} 153°, $Bp_{0.2}$ 80-90°.

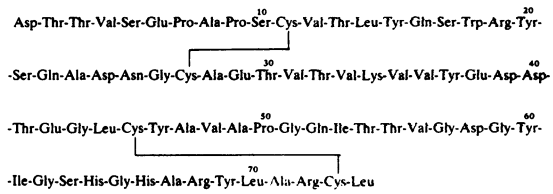
B,HCl: Mp 187-188°.

Hey, D.H. *et al*, *J. Chem. Soc.*, 1951, 1527 (*synth*)
Thiessen, P.N. *et al*, *Clin. Toxicol.*, 1973, **6**, 45 (*rev, pharmacol*)
Butterick, J.R. *et al*, *J. Chem. Soc., Chem. Commun.*, 1974, 307 (*synth*)
Marquardt, G.M. *et al*, *Biochem. Pharmacol.*, 1978, **27**, 1503 (*metab*)
Marquardt, G.M. *et al*, *Toxicol. Appl. Pharmacol.*, 1978, **45**, 675 (*pharmacol, tox*)
Midha, K.K. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 623 (*metab*)
Braun, U. *et al*, *J. Pharm. Sci.*, 1980, **69**, 192 (*synth, pharmacol*)
Kabalka, G.W. *et al*, *J. Org. Chem.*, 1981, **46**, 4296 (*synth*)
Nichols, D.E. *et al*, *J. Med. Chem.*, 1986, **29**, 2009 (*synth, pharmacol*)
Noggle, F.T. *et al*, *J. Assoc. Off. Anal. Chem.*, 1986, **69**, 681 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1432.

Tendamistat, INN T-00067

Hoe 467A

[86596-25-0]



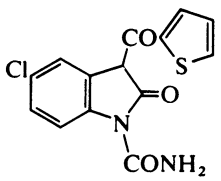
$C_{345}H_{523}N_{93}O_{116}S_4$ M 7957.720

Prod. by *Streptomyces tendae*. α-Amylase inhibitor, antidiabetic agent.

Aschauer, H. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1983, **364**, 1347 (*isol, struct*)
Vertesy, L. *et al*, *Eur. J. Biochem.*, 1984, **141**, 505 (*isol, props*)
Kline, A.D. *et al*, *J. Mol. Biol.*, 1986, **192**, 869 (*pmr*)
Pflugrath, J.W. *et al*, *J. Mol. Biol.*, 1986, **189**, 383 (*cryst struct*)

Tenidap T-00068

5-Chloro-3-(2-thenoyl)-2-oxindole-1-carboxamide. *CP 66248*



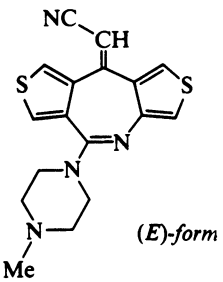
$C_{14}H_9ClN_2O_3S$ M 320.750

Antiinflammatory agent. Yellow cryst. (AcOH). Mp 230° dec.

U.S.P., 4 556 672, (*1985*); *CA*, **104**, 109468a (*synth*)
Fogh, K. *et al*, *Arch. Dermatol. Res.*, 1988, **280**, 430 (*pharmacol*)
Katz, P. *et al*, *Arthritis Rheum.*, 1988, **31**, S52 (*pharmacol*)

Tenilapine, INN T-00069

[*5-(4-Methyl-1-piperazinyl)-9H-dithieno[3,4-b:3′,4′-e]azepin-9-ylidene*]*acetonitrile*



(*E*)-*form*

$C_{17}H_{16}N_4S_2$ M 340.460

Neuroleptic. Mp 148-151°.

(*E*)-*form* [82650-83-7]

Mp 197-198°.

(*Z*)-*form* [82650-82-6]

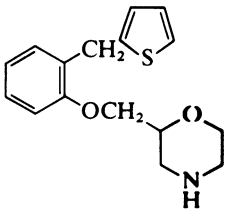
Mp 200-201°.

Eur. Pat., 50 212, (*1982*); *CA*, **97**, 127657c (*synth, pharmacol*)

Teniloxazine, INN **T-00070**

2-[[2-(2-Thienylmethyl)phenoxy]methyl]morpholine, 9CI

[62473-79-4]



$C_{16}H_{19}NO_2S$ M 289.392

Antidepressant. Oil.

Maleate: [62473-80-7]. *Sulfoxazine maleate. Y-8894.* Cryst. (MeOH/isopropyl ether). Mp 155-156°.

Ger. Pat., 2 530 860, (*1977*); *CA*, **86**, 155666w (*synth*)

Muro, T. *et al*, *Yakugaku Zasshi*, 1986, **106**, 964 (*synth, pharmacol*)

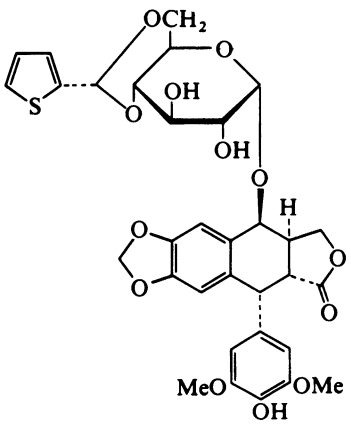
Ogura, C. *et al*, *Br. J. Clin. Pharmacol.*, 1987, **23**, 537 (*pharmacol*)

Sakai, J. *et al*, *Iyakuhin Kenkyu*, 1987, **18**, 258 (*props*)

Teniposide, BAN, INN, USAN **T-00071**

9-(4,6-O-2-Thienylidene-β-D-glucopyranoside)-4'-demethylepipodophyllotoxin, 8CI. Vumon. EPT. NSC 122819. Vehem-Sanoloz. VM 26

[29767-20-2]



$C_{32}H_{32}O_{13}S$ M 656.657

Closely related to Etoposide, E-00262 . Antineoplastic drug. Cryst. (EtOH). Mp 242-246°. $[\alpha]_D^{20}$ −107° ($CHCl_3$/MeOH).

▷KC0180000.

Staehelin, H., *Eur. J. Cancer*, 1970, **6**, 303 (*pharmacol*)

U.S.P., 3 524 844, (*1970*); *CA*, **70**, 78340a (*synth*)

Allen, L., *Drug Metab. Rev.*, 1978, **8**, 119 (*rev, metab*)

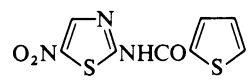
Issell, B.F., *Cancer Chemother. Pharmacol.*, 1982, **7**, 73, 87, 93, 133.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1867.

Tenonitrozole, INN **T-00072**

N-(5-Nitro-2-thiazolyl)-2-thiophenecarboxamide, 9CI. Atrican. Detrican. Moniflagon. Neotrichocid. Thenitrazolum. Tricosept. TC 109

[3810-35-3]



$C_8H_5N_3O_3S_2$ M 255.266

Antiprotozoal, antimycotic agent; trichomonacide. Cryst. (dioxan or DMF). Mp 255-256°.

▷XM8305000.

Robba, M. *et al*, *Ann. Pharm. Fr.*, 1964, **22**, 201 (*synth, pharmacol*)

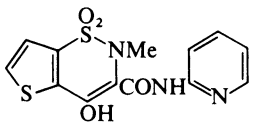
Tuchmann-Duplessis, H. *et al*, *C.R. Hebd. Seances Acad. Sci.*, 1964, **258**, 5103 (*tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13318.

Tenoxicam, INN **T-00073**

4-Hydroxy-2-methyl-N-2-pyridinyl-2H-thieno[2,3-e]-1,2-thiazine-3-carboxamide 1,1'-dioxide, 9CI. Tilcotil. Ro 12-0068

[59804-37-4]



$C_{13}H_{11}N_3O_4S_2$ M 337.368

Analgesic, antiinflammatory agent. Cryst. (xylene). Mp 209-213° dec.

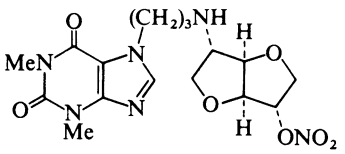
Ger. Pat., 2 537 070, (*1976*); *CA*, **85**, 63077f (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13305.

Teopranitol, INN **T-00074**

1,4:3,6-Dianhydro-2-deoxy-2-[[3-(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxopurin-7-yl)propyl]amino]-L-iditol 5-nitrate, 9CI. KC-046

[81792-35-0]



$C_{16}H_{22}N_6O_7$ M 410.386

Drug used for treatment of cardiac insufficiencies.

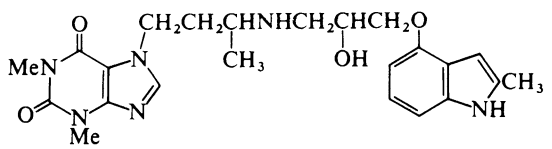
B,HCl: Cryst. (EtOH aq.). Mp 207-208°. $[\alpha]_D^{25}$ +29.4° (c, 0.5 in H_2O).

Eur. Pat., 44 927, (*1982*); *CA*, **96**, 218190r (*synth, pharmacol*)

Teoprolol, INN **T-00075**

3,7-Dihydro-7-[3-[[2-hydroxy-3-[(2-methyl-1H-indol-4-yl)oxy]propyl]amino]butyl]-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-[3-[[2-Hydroxy-3-[(2-methyl-4-indolyl)oxy]propyl]amino]butyl]theophylline. D 13312

[65184-10-3]



$C_{23}H_{30}N_6O_4$ M 454.528

Beta-adrenergic blocking agent. Cryst. (2-propanol). Mp 146°.

▷UO8437700.

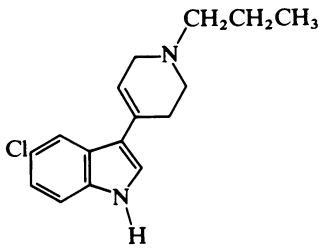
Ger. Pat., 2 716 210, (*1977*); *CA*, **88**, 37839y (*synth, pharmacol*)

U.S.P., 4 144 340, (*1979*); *CA*, **91**, 57058 (*synth, pharmacol*)

Tepirindole, INN **T-00076**

5-Chloro-3-(1,2,3,6-tetrahydro-1-propyl-4-pyridinyl)-1H-indole, 9CI. *RU 27592*

[72808-81-2]



$C_{16}H_{19}ClN_2$ M 274.793

Tranquilliser. Cryst. (EtOH). Mp 229-230°.

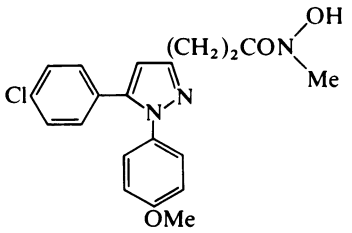
B,HCl: Yellow cryst. (EtOH). Mp 260°.

Eur. Pat., 3 199 (*1979*); *CA*, **92**, 94236 (*synth, pharmacol*)

Tepoxalin, INN, USAN **T-00077**

5-(4-Chlorophenyl)-N-hydroxy-1-(4-methoxyphenyl)-N-methyl-1H-pyrazole-3-propanamide, 9CI. *ORF 20485*

[103475-41-8]



$C_{20}H_{20}ClN_3O_3$ M 385.849

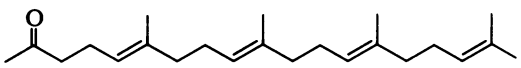
Antiinflammatory agent used in treatment of psoriasis. Cryst. (EtOAc). Mp 125-126°.

Eur. Pat., 248 594, (*1987*); *CA*, **108**, 186735v (*synth, pharmacol*)

Teprenone, JAN, INN **T-00078**

6,10,14,18-Tetramethyl-5,9,13,17-nonadecatetraen-2-one, 9CI. *Geranylgeranylacetone. Cerbex. Selbex. Teprenone. E 671. GGA*

[6809-52-5]



(5E,9E,13E)-form

$C_{23}H_{38}O$ M 330.553

3:2 mixture of (5*E*,9*E*,13*E*)- and (5*Z*,9*E*,13*E*)-*forms*. Antiulcerogenic agent. Oil. $Bp_{0.15}$ 146-147°, $Bp_{0.05}$ 125-127°.

(all-E)-form [3796-63-2]

Bp_{8-9} 200-201°.

Isler, O. *et al*, *Helv. Chim. Acta*, 1958, **41**, 786 (*synth*)
Weichet, J. *et al*, *Collect. Czech. Chem. Commun.*, 1960, **25**, 1914 (*synth*)
Ger. Pat., 2 822 727, (*1978*); *CA*, **90**, 115461 (*synth, pharmacol*)
Murakami, M. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 799 (*pharmacol*)
Murakami, M. *et al*, *Jpn. J. Pharmacol.*, 1983, **33**, 549 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17004.

Teprotide, BAN, USAN, INN **T-00079**

Bradykinin potentiator B, *2-L-tryptophan-3-de-L-leucine-4-de-L-proline-8-L-glutamine,* 9CI. *Bradykinin-potentiating peptide* BPP_{9a}. $BPP_{9\alpha}$. *SQ 20881*

[35115-60-7]

pyroGlu-Trp-Pro-Arg-Pro-Gln-Ile-Pro-Pro

$C_{53}H_{76}N_{14}O_{12}$ M 1101.270

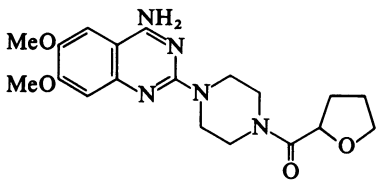
Used for treatment of hypertension and the diagnosis of renin-dependent hypertension. Inhibitor of angiotensin-converting enzyme.

U.S.P., 3 973 006, (*1976*); *CA*, **86**, 16960z
Ger. Pat., 2 621 279, (*1977*); *CA*, **88**, 38157m
Fr. Pat., 2 350 846, (*1977*); *CA*, **89**, 197973m (*synth*)
Netherlands Pat., 7 605 327, (*1977*); *CA*, **89**, 24824k (*synth*)
Sevast'yanova, N.N. *et al*, *J. Mol. Struct.*, 1980, **65**, 125 (*conformn*)
Krit, N.A. *et al*, *Bioorg. Khim.*, 1981, **7**, 965 (*synth*)
Hofbauer, K.G. *et al*, *J. Cardiovasc. Pharmacol.*, 1985, **7**, 562 (*activity*)
Reissmann, S. *et al*, *Proc. FEBS Congr., 16th*, 1984, **B**, 449 (*biol activity, struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 906.

Terazosin, BAN, INN **T-00080**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[(tetrahydro-2-furanyl)carbonyl]piperazine, 9CI. *6,7-Dimethoxy-2-[4-(tetrahydrofuran-2-carbonyl)-1-piperazinyl]-4-quinazolinylamine*

[63590-64-7]



$C_{19}H_{25}N_5O_4$ M 387.438

(±)-form

Antihypertensive agent.

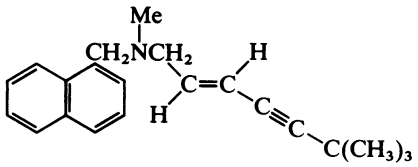
B,HCl: [70024-40-7]. *Terazosin hydrochloride,* USAN. *Heitrin. Vasocard.* Cryst. + $2H_2O$. Mp 271-274°.

U.S.P., 4 251 532, (*1981*); *CA*, **95**, 25136y (*synth, pharmacol*)
Fort, F.L. *et al*, *Drug Chem. Toxicol.*, 1984, **7**, 435 (*tox*)
Frishman, W.H. *et al*, *Med. Clin. North Am.*, 1988, **72**, 441 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13306.

Terbinafine, INN, USAN **T-00081**

N-*(6,6-Dimethyl-2-hepten-4-ynyl)-N-methyl-1-naphthalenemethanamine,* 9CI. *SF 86-327*

[91161-71-6]



(E)-form

$C_{21}H_{25}N$ M 291.435

(E)-form [78628-80-5]

Antifungal agent.

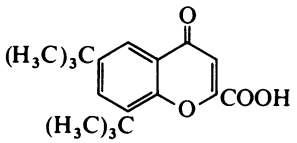
B,HCl: Cryst. (2-propanol/Et_2O). Mp 195-198°.

Stuetz, A. *et al*, *J. Med. Chem.*, 1984, **27**, 1539 (*synth, pharmacol*)
Petranyi, G. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 1558 (*pharmacol*)
Stuetz, A., *Angew. Chem., Int. Ed. Engl.*, 1987, **26**, 320 (*rev*)

Terbucromil, BAN, INN **T-00082**

*6,8-Bis(1,1-dimethylethyl)-4-oxo-4H-1-benzopyran-2-carboxylic acid, 9CI. 6,8-Di-*tert*-butylchromone-2-carboxylic acid. FPL 52791*

[37456-21-6]



$C_{18}H_{22}O_4$ M 302.369

Antiasthmatic drug. Cryst. (EtOH aq.). Mp 230-232°.

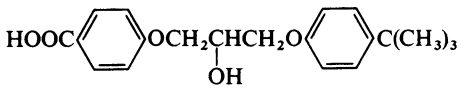
B.P., 1 368 243, (*1972*); *CA*, **77**, 34338w (*synth, pharmacol*)

Augstein, J. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 919 (*pharmacol*)

Terbufibrol, INN **T-00083**

4-[3-[4-(1,1-Dimethylethyl)phenoxy]-2-hydroxypropoxy]benzoic acid, 9CI. p-[3-(p-tert-*Butylphenoxy)-2-hydroxypropoxy]benzoic acid*

[56488-59-6]



$C_{20}H_{24}O_5$ M 344.407

▷DG4927000.

(±)-*form*

Hypolipidaemic agent. Cryst. (trichloroethylene/MeOH). Mp 151-153°.

Ger. Pat., 2 560 689, (*1976*); *CA*, **85**, 123579 (*synth, pharmacol*)

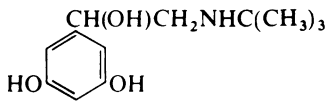
Howard, A.N. *et al*, *Atherosclerosis* (*Shannon, Irel.*), 1979, **32**, 367 (*pharmacol*)

St. Jamiale, P., *Drugs Future*, 1979, **4**, 140 (*rev*)

Terbutaline, BAN, INN **T-00084**

5-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,3-benzenediol, 9CI. α-[(tert-*Butylamino)methyl]-3,5-dihydroxybenzyl alcohol, 8CI*

[23031-25-6]



$C_{12}H_{19}NO_3$ M 225.287

▷DN8960000.

(+)-*form* [90877-48-8]

B,HBr: [39986-54-4]. Cryst. (EtOH/Et_2O). Mp 241-243°. $[\alpha]_D^{20}$ +34.2° (c, 1.0 in MeOH).

(−)-*form* [37394-31-3]

More active than the (+)-form.

B,HBr: [39986-53-3]. Cryst. (EtOH/Et_2O). $[\alpha]_D^{20}$ −34.6° (c, 1 in MeOH).

(±)-*form* [46719-29-3]

Bronchodilator, sympathomimetic. Mp 119-122°.

2B,H_2SO_4: [23031-32-5]. *Terbutaline sulfate, USAN, JAN. Brethine. Bricanyl. Filair. Numerous other synonyms.* Mp 246-248°.

▷DN9000000.

3,5-Bis(dimethylcarbamate): [81732-65-2]. *Terbutaline bis(dimethylcarbamate).* ***Bambuterol, INN.*** *KWD 2183.*

$C_{18}H_{29}N_3O_5$ M 367.444

Antiasthmatic, bronchodilator.

3,5-Bis(4-methylbenzoyl): [75626-99-2]. *Terbutaline di(*p*-toluate).* ***Tobuterol, INN.***

$C_{28}H_{31}NO_5$ M 461.557

Bronchodilator.

3,5-Bis(2-methylpropanoyl): [53034-85-8]. *Terbutaline diisobutyrate.* ***Ibuterol, INN.*** *Spiranyl.*

Bronchodilator, smooth muscle relaxant.

3,5-Bis(2-methylpropanoyl); B,HBr: [52223-83-3]. *KWD 2058.* Mp 168-170°.

3,5-Bis(2,2-dimethylpropanoyl): [54592-27-7]. *Terbutaline dipivalate.* ***Divabuterol, INN.***

$C_{22}H_{35}NO_5$ M 393.522

Bronchospasmolytic, uterine relaxant.

3,5-Bis(2,2-dimethylpropanoyl; B,HBr: [52223-87-7]. *KWD 2085.* Cryst. ($CHCl_3$/Et_2O/pet. ether). Mp 190-192°.

Persson, H. *et al*, *Acta Med. Scand., Suppl.*, 1970, 11 (*pharmacol*)

Svensson, L.A. *et al*, *Kem. Tidskr.*, 1971, **83**, 30 (*synth, rev*)

Wetterlin, K., *J. Med. Chem.*, 1972, **15**, 1182 (*resoln*)

Olsson, O.A.T. *et al*, *Acta Pharmacol. Toxicol.*, 1974, **35**, 76 (*Ibuterol*)

Cattabeni, F. *et al*, *Adv. Mass Spectrom. Biochem. Med.*, 1976, **1**, 517 (*ms*)

Larsson, S. *et al*, *Eur. J. Clin. Pharmacol.*, 1977, **11**, 429 (*pharmacol, Ibuterol*)

McPhillips, J.J., *Pharmacol. Biochem. Prep. Drug Subst.*, 1977, **1**, 311 (*rev*)

U.S.P., 4 011 258, (*1977*); *CA*, **86**, 189477 (*Ibuterol, Divabuterol*)

Eur. Pat., 43 807, (*1982*); *CA*, **96**, 199263 (*Bambuterol*)

Hickel, D. *et al*, *Acta Crystallogr., Sect. B*, 1982, **38**, 632 (*cryst struct*)

LeFerink, J.G. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 159 (*pharmacol*)

Svensson, L.A., *Acta Pharm. Suec.*, 1987, **24**, 333 (*rev, Bambuterol*)

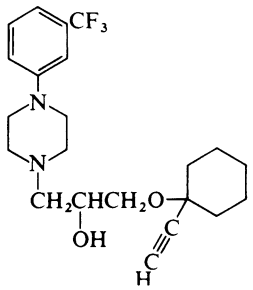
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2069, 2107, 18825.

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2532.

Terciprazine, INN **T-00085**

α-[[(1-Ethynylcyclohexyl)oxy]methyl]-4-[3-(trifluoromethyl)phenyl]-1-piperazineethanol, 9CI. CERM 3519

[56693-15-3]



$C_{22}H_{29}F_3N_2O_2$ M 410.479

(±)-*form*

Antihypertensive agent.

B,HCl: Mp 175.5°.

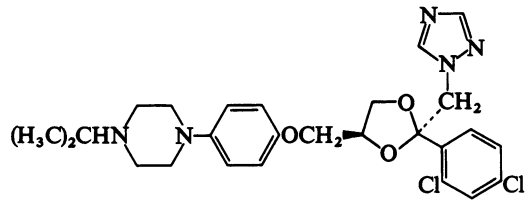
Fr. Pat., 2 224 137, (*1974*); *CA*, **83**, 114478f (*synth, pharmacol*)

Aiache, J.M. *et al*, *J. Pharm. Belg.*, 1980, **35**, 85.

Terconazole, BAN, USAN, INN **T-00086**

1-[4-[[2-(2,4-Dichlorophenyl)-2-(1H-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]-methoxy]phenyl]-4-(1-methylethyl)piperazine, 9CI. Triaconazole. Fungistat. Gyno-Terazol. R 42470. Tercospor

[67915-31-5]



$C_{26}H_{31}Cl_2N_5O_3$ M 532.469

cis-form

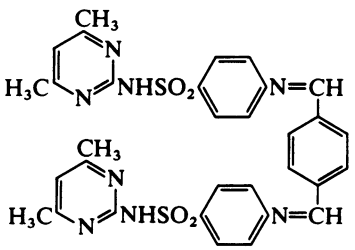
Antifungal agent. Mp 116.3°.

B.P., 1 594 859, (*1978*); *CA*, **89**, 180014b (*synth, pharmacol*)
Heeres, J. *et al*, *J. Med. Chem.*, 1983, **26**, 611 (*synth, pharmacol*)
Odds, F.C. *et al*, *J. Antimicrob. Chemother.*, 1984, **14**, 105 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13307.

Terephtyl **T-00087**

N^4,N^4-(p-*Phenylenedimethylidyne*)*bis*[N^1-(*4,6-dimethyl-2-pyrimidinyl*)*sulfanilamide. Lasepton*

[2468-28-2]



$C_{32}H_{30}N_8O_4S_2$ M 654.760

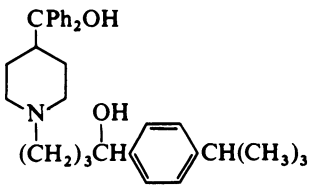
Antibacterial. Depot sulphonamide. Mp 220-225°.

Fr. Pat., M 1011, (*1962*); *CA*, **58**, 9101c (*synth, props*)

Terfenadine, BAN, USAN, INN **T-00088**

α-[4-(1,1-Dimethylethyl)phenyl]-4-(hydroxydiphenylmethyl)-1-piperidinebutanol, 9CI. Aldaban. RMI 9918. Seldane. Teldane. Terdina. Terpiridil. Triludan

[50679-08-8]



$C_{32}H_{41}NO_2$ M 471.681

Antihistamine, bronchodilator. Cryst. (Me_2CO). Mp 146.5-148.5°.

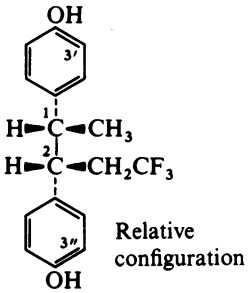
▷TM4969000.

Ger. Pat., 2 303 245, (*1973*); *CA*, **79**, 105077g (*synth*)
Huether, K.J. *et al*, *Eur. J. Clin. Pharmacol.*, 1977, **12**, 195 (*pharmacol*)
Carr, A.A. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1154, 1157 (*synth, rev*)
Koch, H., *Pharm. Int.*, 1983, **4**, 252 (*rev*)
Sorkin, E.M. *et al*, *Drugs*, 1985, **29**, 34 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13308.

Terfluranol, BAN, INN **T-00089**

4,4'-[1-Methyl-2-(2,2,2-trifluoroethyl)-1,2-ethanediyl]-bisphenol, 9CI. BX 428

[54043-46-8]



$C_{17}H_{17}F_3O_2$ M 310.315

(***1R,2S*)-form** [64396-09-4]

Drug used for treatment of mammary carcinomas. Cryst. (C_6H_6). Mp 156-157°.

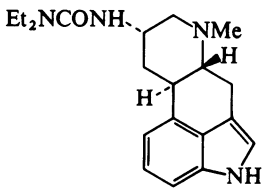
3',3''-Difluoro: [65634-39-1]. *4,4'-[1-Methyl-2-(2,2,2-trifluoroethyl)]-1,2-ethanediylbis[2-fluorophenol], 9CI.* ***Pentafluranol, BAN, INN.*** *BX 430.*
$C_{17}H_{15}F_5O_2$ M 346.296
Drug used against benign prostatic hypertrophy. Cryst. (C_6H_6). Mp 152°.

B.P., 1 416 648, (*1974*); *CA*, **82**, 3961t (*synth*)

Terguride, INN **T-00090**

N,N-*Diethyl*-N'-(*6-methyl-8-ergolinyl*)*urea, 9CI. Transdihydrolisuride. TDHL. ZK 31224*

[37686-84-3]



$C_{20}H_{28}N_4O$ M 340.467

Lactation inhibitor, antiserotonin agent. Mp 202-204°. $[\alpha]_D^{20}$ +29° (c, 0.45 in py).

Zikan, V. *et al*, *Collect. Czech. Chem. Commun.*, 1972, **37**, 2600 (*synth, pharmacol*)

Teriparatide, INN **T-00091**

1-34 Parathormone (human). Human PTH (1-34)

[52232-67-4]

Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asp-Leu-Gly-Lys-His-Leu-Asp--Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asp-Phe

$C_{181}H_{291}N_{55}O_{51}S_2$ M 4117.748

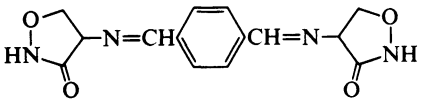
Parathyroid hormone; hypercalcaemic agent. Also used as acetate (Teriparatide acetate, USAN).

Milhaud, G. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1974, **279**, 1015 (*synth, pharmacol*)
Bundi, A. *et al*, *FEBS Lett.*, 1976, **64**, 126 (*pmr, conformn*)
Raulais, D.J.P. *et al*, *J. Chem. Res.* (*S*), 1978, 11 (*synth*)
Kimura, T. *et al*, *Biopolymers*, 1981, **20**, 1823 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8050.

Terizidone, INN **T-00092**

4,4'-[1,4-Phenylenebis(methylidynenitrilo)]bis[3-isoxazolidinone], 9CI. Terivalidan. Urovalidin. B 2360

[25683-71-0]



$C_{14}H_{14}N_4O_4$ M 302.289

Urinary antiinfective agent; tuberculostatic agent. $[\alpha]_D^{20}$ +189° (c, 5 in H_2O).

Bianchi, S. *et al*, *Farmaco, Ed. Prat.*, 1965, **20**, 366, 381 (*synth, pharmacol*)

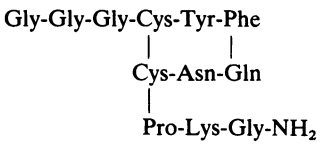
Wewalka, G. *et al*, *Wien. Klin. Wochenschr.*, 1976, **88**, 355 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13309.

Terlipressin, BAN, INN **T-00093**

N-[N-(N-*Glycylglycyl*)*glycyl*]-*8-L-lysinevasopressin, 9CI. Glypressin. Remestyp (new form). Triglycyllypressin*

[14636-12-5]



$C_{52}H_{74}N_{16}O_{15}S_2$ M 1227.375

Antidiuretic hormone, used for treatment of uterine and oesophageal bleeding. $[\alpha]_D^{25}$ −105.7° (c, 0.1 in AcOH).

Kynd, J. *et al*, *Eur. J. Pharmacol.*, 1974, **28**, 294 (*pharmacol*)

Kasafírek, E. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 4581 (*synth*)

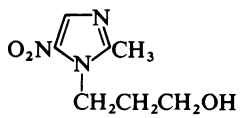
Prochazka, Z. *et al*, *Collect. Czech. Chem. Commun.*, 1978, **43**, 1285 (*synth, bibl*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12796.

Ternidazole, INN **T-00094**

2-Methyl-5-nitro-1H-imidazole-1-propanol, 9CI. 1-(3-Hydroxypropyl)-2-methyl-5-nitroimidazole

[1077-93-6]



$C_7H_{11}N_3O_3$ M 185.182

Antitrichomonal agent. Mp 58°.

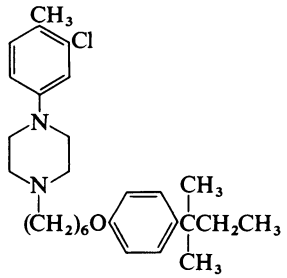
Cosar, C. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 23 (*synth, ir, pharmacol*)

Lanbeck, K. *et al*, *J. Chromatogr.*, 1979, **162**, 117 (*synth, use*)

Teroxalene, INN **T-00095**

*1-(3-Chloro-4-methylphenyl)-4-[6-[4-(1,1-dimethylpropyl)phenoxy]hexyl]piperazine, 9CI. 1-(3-Chloro-*p*-tolyl)-4-[6-(*p*-tert-pentylphenoxy)hexyl]-piperazine, 8CI.* N-(*3-Chloro-4-methylphenyl*)-N'-*4'-*tert-*amylphenoxyhexamethylenepiperazine*

[14728-33-7]



$C_{28}H_{41}ClN_2O$ M 457.098

Antischistosomal agent.

B,HCl: [3845-22-5]. *Teroxalene hydrochloride, USAN. A16612. PR 3847.* Cryst. (C_6H_6). Mp 165°.

B.P., 974 717, (*1963*); *CA*, **60**, 8044c (*synth, pharmacol*)

Miller, J.P. *et al*, *Toxicol. Appl. Pharmacol.*, 1966, **9**, 455 (*pharmacol*)

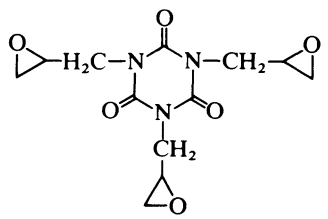
Katz, N. *et al*, *J. Parasitol.*, 1967, **53**, 1229 (*pharmacol*)

Mousa, A. *et al*, *Ann. N.Y. Acad. Sci.*, 1969, **160**, 461 (*pharmacol*)

Teroxirone, INN, USAN **T-00096**

1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione. 1,3,5-Tris(2,3-epoxypropyl)-s-triazine-2,4,6(1H,3H,5H)-trione. α-Triglycidyl isocyanurate. NSC 296934

[59653-73-5]



$C_{12}H_{15}N_3O_6$ M 297.267

Antineoplastic agent.

(RS,RS,RS)-form

Cryst. (MeOH). Mp 103-104.5° (99.1-99.8°).

(RS,RS,SR)-form

Cryst. (methyl cellosolve). Mp 156-157.5° (153.6-154.1°).

Price, H.P. *et al*, *J. Org. Chem.*, 1967, **32**, 2005 (*synth*)

Ames, M.M. *et al*, *Cancer Res.*, 1984, **44**, 4151 (*pharmacol*)

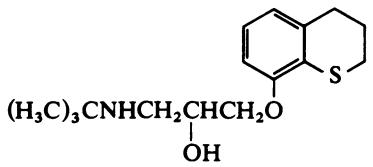
Atassi, G. *et al*, *Cancer Treat. Rev.*, 1984, **11**, 99 (*pharmacol*)

Shimasaki, C. *et al*, *Bull. Chem. Soc. Jpn.*, 1985, **58**, 2197 (*ms, ir*)

Saf'yanov, Y.N. *et al*, *Zh. Strukt. Khim.*, 1987, **28**, 168 (*cryst struct*)

Tertatolol, INN **T-00097**

1-[(3,4-Dihydro-2H-1-benzothiopyran-8-yl)oxy]-3-[(1,1-dimethylethyl)amino]-2-propanol, 9CI. *1-(*tert*-Butylamino)-3-(thiochroman-8-yloxy)-2-propanol. Tenaxil. S 2395*



$C_{16}H_{25}NO_2S$ M 295.439

(±)-***form*** [34784-64-0]

Antihypertensive, β-adrenergic blocking agent. Cryst. (heptane). Mp 70-72°.

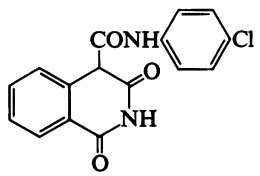
B,HCl: [33580-30-2]. Cryst. (MeCN). Mp 180-183°.

Ger. Pat., 2 115 201, (*1971*); *CA*, **76**, 46078f (*synth, pharmacol*)
Laubie, P. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. D*, 1971, **273**, 1234 (*pharmacol*)
Safar, M.E. *et al*, Eds., *Am. J. Nephrol.*, 1986, **6**, Suppl. 2 (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1143.

Tesicam, USAN, INN **T-00098**

N-(4-Chlorophenyl)-1,2,3,4-tetrahydro-1,3-dioxo-4-isoquinolinecarboxamide, 9CI. *4'-Chloro-1,2,3,4-tetrahydro-1,3-dioxo-4-isoquinolinecarboxanilide,* 8CI. *CP 13608*

[21925-88-2]



$C_{16}H_{11}ClN_2O_3$ M 314.728

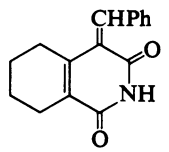
Antiinflammatory drug. Mp 243-245° dec.

South African Pat., 68 03 465, (*1968*); *CA*, **70**, 115025z (*synth, pharmacol*)
Wiseman, E.H. *et al*, *J. Pharmacol. Exp. Ther.*, 1970, **172**, 472 (*pharmacol*)

Tesimide, USAN, INN **T-00099**

5,6,7,8-Tetrahydro-4-(phenylmethylene)-1,3(2H,4H)-isoquinolinedione, 9CI. *4-Benzylidene-5,6,7,8-tetrahydro-1,3(2H,4H)-isoquinolinedione. W6246*

[35423-09-7]



$C_{16}H_{15}NO_2$ M 253.300

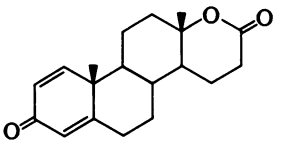
Antiinflammatory agent. Cryst. (MeOH). Mp 160-179°.

U.S.P., 3 634 415, (*1972*); *CA*, **76**, 72421e (*synth, pharmacol*)

Testolactone, USAN, INN **T-00100**

D-Homo-17a-oxaandrosta-1,4-diene-3,17-dione, 9CI. *13-Hydroxy-3-oxo-13,17-secoandrosta-1,4-dien-17-oic acid δ-lactone,* 8CI. *Teslac. Fludestrin. NSC 23759. SQ 9538. Teolit. Teslak. Δ¹-Testololactone*

[968-93-4]



$C_{19}H_{24}O_3$ M 300.397

Transformed from progesterone and related steroids by *Aspergillus tamarii*. Antineoplastic agent. Mp 218-219°. $[\alpha]_D^{23}$ −45.6° (c, 1.24 in $CHCl_3$).

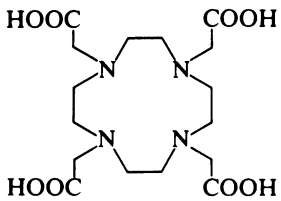
▷VS2200000.

Brannon, D.R. *et al*, *J. Org. Chem.*, 1965, **30**, 760 (*synth*)
Neidleman, S.L. *et al*, *Tetrahedron Lett.*, 1966, 5337 (*uv, ir, pmr*)
Simpson-Herren, L. *et al*, *Cancer Res.*, 1970, **30**, 813 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Microchem. J.*, 1972, **17**, 719 (*props, uv*)
Miller, T.L., *Biochim. Biophys. Acta*, 1972, **270**, 167 (*formation*)
Florey, K., *Anal. Profiles Drug Subst.*, 1976, **5**, 533 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9107.

1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, 9CI **T-00101**

DOTA

[60239-18-1]



$C_{16}H_{28}N_4O_8$ M 404.419

Complexing agent. pK_{a1} 4.41, pK_{a2} 4.54, pK_{a3} 9.73, pK_{a4} 11.36 (20°, 0.1M KCl aq.). Ir 1715 cm^{-1}.

B,3HCl: [60239-19-2]. Mp 222° dec.

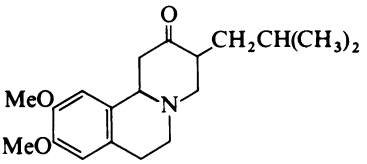
Gd(III) complex: [72573-82-1]. ***Gadoteric acid, INN.*** *Gd(DOTA).*
$C_{16}H_{25}GdN_4O_8$ M 558.646
Diagnostic agent.

Stetter, H. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1976, **15**, 686 (*synth*)
Stetter, H. *et al*, *Tetrahedron*, 1981, **37**, 767 (*synth*)
Geraldes, C.F. *et al*, *Magn. Reson. Med.*, 1986, **3**, 242, 808 (*pmr, Gadoteric acid*)
Riesen, A. *et al*, *Helv. Chim. Acta*, 1986, **69**, 2067, 2074 (*complexes*)
Pat. Coop. Treaty (*WIPO*), 87 06 229, (*1987*); *CA*, **108**, 137926z (*synth, Gadoteric acid*)
Bosquet, J.C. *et al*, *Radiology* (*Easton*), 1988, **166**, 693, 835 (*metab, use, Gadoteric acid*)

Tetrabenazine, BAN, INN **T-00102**

1,3,4,6,7,11b-Hexahydro-9,10-dimethoxy-3-(2-methylpropyl)-2H-benzo[9]quinolizin-2-one, 9CI. 1,3,4,6,7,11b-Hexahydro-3-isobutyl-9,10-dimethoxybenzo[a]quinolizin-2-one. Regulin "Takeda". Ro 1-9569. Rubigen

[58-46-8]



$C_{19}H_{27}NO_3$ M 317.427

Sedative, neuroleptic, tranquilliser. Prisms (MeOH). Mp 125-126°.

▷DK2275000.

B,HCl: [2105-47-7]. Mp 208-210°.

Oxime: [39630-31-4].

$C_{19}H_{28}N_2O_3$ M 332.442

Cryst. (EtOH aq.). Mp 158°.

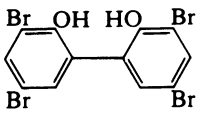
B,MeSO$_3$H: [804-53-5]. *Nitroman.* Light-sensitive cryst. Mp 126-130°.

Brossi, A. *et al, Helv. Chim. Acta*, 1958, **41**, 119 (*synth*)
B.P., 802 870; *CA*, 1959, **53**, 4316e (*synth*)
Osbond, J.M. *et al, J. Chem. Soc.*, 1961, 4711 (*synth*)
Schwartz, D.E. *et al, Biochem. Pharmacol.*, 1966, **15**, 645 (*pharmacol*)
Haggendal, J., *J. Pharm. Pharmacol.*, 1968, **20**, 364 (*pharmacol*)
Popp, F.D. *et al, J. Pharm. Sci.*, 1978, **67**, 871 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7109.

3,3',5,5'-Tetrabromo[1,1'-biphenyl]-2,2'-diol, 9CI **T-00103**

4,4',6,6'-Tetrabromo[1,1'-biphenyl]-2,2'-diol

[21987-62-2]



$C_{12}H_6Br_4O_2$ M 501.794

Cryst. ($CHCl_3$). Mp 205-207°.

Dihydrogen phosphate: [21466-07-9]. ***Bromofenofos, INN.*** *3,3',5,5'-Tetrabromo[1,1'-biphenyl]-2,2'-diol mono(dihydrogenphosphate), 9CI. Acedist. Ph 1882.*

$C_{12}H_7Br_4O_5P$ M 581.774

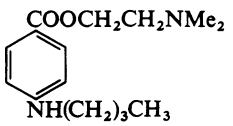
Fasciolicide. Mp >350° dec.

van der Meer, S. *et al, J. Med. Chem.*, 1969, **12**, 534 (*synth, deriv, pharmacol*)
Perold, G.W., *J. S. Afr. Chem. Inst.*, 1975, **28**, 300 (*synth, pmr*)

Tetracaine, INN, USAN **T-00104**

2-(Dimethylamino)ethyl 4-(butylamino)benzoate, 9CI. Metraspray. Pontocaine

[94-24-6]



$C_{15}H_{24}N_2O_2$ M 264.367

Local anaesthetic. Mp 43°. Bp_4 210°.

▷DG4725000.

B,HCl: [136-47-0]. *Amethocaine hydrochloride. Dicain. Tetracaine hydrochloride, USAN. Numerous other proprietary names.* Bitter-tasting cryst. Mp 147-150°. Component of Fulvidex.

▷DG4900000.

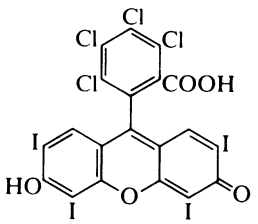
B,HNO$_3$: Mp 131-132°.

Fel'dman, I.Kh. *et al, J. Appl. Chem. USSR*, 1944, **17**, 588; *CA*, **40**, 2268 (*synth*)
Wickström, A., *J. Pharm. Pharmacol.*, 1953, **5**, 158 (*cryst struct*)
O'Brien, K.P. *et al, Bull. Narc.*, 1970, **22**, 35 (*ir*)
Covino, B.G., *N. Engl. J. Med.*, 1972, **286**, 975 (*rev, pharmacol*)
Sajerstein, R. *et al, J. Assoc. Off. Anal. Chem.*, 1973, **56**, 1234 (*ms*)
Siek, T.J., *J. Forensic Sci.*, 1974, **19**, 193 (*uv*)
Momose, A. *et al, Chem. Pharm. Bull.*, 1976, **24**, 1637 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3754.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7603, 7604.

4,5,6,7-Tetrachloro-3',6'-dihydroxy-2',4',5',7'-tetraiodospiro[isobenzofuran-1(3*H*),9'-[9*H*]-xanthene]-3-one, 9CI **T-00105**

4,5,6,7-Tetrachloro-2',4',5',7'-tetraiodofluorescein, 8CI. CI Acid Red 94. Rose Bengale B. CI 45440

[4159-77-7]



$C_{20}H_4Cl_4I_4O_5$ M 973.679

Bright bluish-pink.

Di-Na salt: [42352-53-4]. *Rose Bengal Sodium, INN.* ^{125}I and ^{131}I labelled cpds. are used as diagnostic aids in hepatic function determination (Robengatrope).

Jirsa, M. *et al, Nature (London)*, 1962, **195**, 1100 (*metab*)
Mani, R.S., *Indian J. Chem.*, 1967, **5**, 219 (*synth*)
Desai, C.N. *et al, Int. J. Appl. Radiat. Isotopes*, 1968, **19**, 153; 1970, **21**, 110 (*synth, isotopes*)
Lamberts, J.J. *et al, Z. Naturforsch., B*, 1984, **39**, 474 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2146, 5864.

Tetrachloroethylene, USAN **T-00106**

Tetrachloroethene, 9CI. Perchloroethylene. Nema. Ankilostin. Didakene. Kosmovermil. Perclene. Perklone. Tetracap. Tetropil. Verminol

[127-18-4]

$Cl_2C{=}CCl_2$

C_2Cl_4 M 165.834

Widely used non-flammable solv. Used in drycleaning, degreasing and textile finishing. Anthelmintic, effective against hookworms and intestinal flukes. Liq. with ether-like odour. d_4^{20} 1.62. Fp −22.35°, Mp −19°. Bp 121.20°, Bp_{30} 33.2°.

▷Mod. toxic. KX3850000.

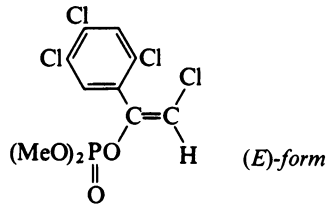
Weisen, H.B. *et al, J. Phys. Chem.*, 1919, **23**, 415.
Timmermans, J. *et al, J. Chim. Phys.*, 1930, **27**, 401.
U.S.P., 1 947 491, (*1934*); *CA*, **28**, 2371 (*synth*)
Frydlender, J.H., *CA*, 1935, **29**, 7935 (*rev*)
Hawkes, G.E. *et al, J. Org. Chem.*, 1974, **39**, 1276 (*cmr*)
Keil, S.L., *Kirk-Othmer. Encycl. Chem. Technol. 3rd Ed.*, 1979, **5**, 754 (*rev*)
Reichert, D., *Mutat. Res.*, 1983, **123**, 411 (*metab, tox*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 813.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 338.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 497.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2517.

Tetrachlorvinphos, BSI T-00107

*2-Chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate, 9CI. 2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 8CI. 2,4,5-Trichloro-α-(chloromethylene)benzyl dimethyl phosphate. **Stirofos, USAN**. Stirifos. Gardona. Dietreen. Rabon. SD 3447*

[961-11-5]



(E)-form

$C_{10}H_9Cl_4O_4P$ M 365.964

Coml. samples consist of ca. 25-30% (*E*)-form and 70-75% (*Z*)-form. Insecticide. Sol. $CHCl_3$, almost insol. H_2O. Unstable to base.

▷TB9050000.

(*E*)-form [22350-76-1]

Much lower biological activity than (*Z*)-form. LC_{50} for caterpillars 0.1%.

(*Z*)-form [22248-79-9]

Mp 97-98°.

▷TB9100000.

Ger. Pat., 1 903 356, (*1969*); *CA*, **72**, 3564 (*synth*)
Ger. Pat., 1 947 350, (*1970*); *CA*, **72**, 121166 (*synth*)
Bunton, W.B. *et al*, *J. Agric. Food Chem.*, 1972, **20**, 1180 (*synth*)
Beynon, K.I. *et al*, *Residue Rev.*, 1973, **47**, 55 (*rev*)
Szalontai, G., *J. Chromatogr.*, 1976, **124**, 9 (*hplc*)
Stan, H.-J. *et al*, *Fresenius' Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Stan, H.-J. *et al*, *Biomed. Mass Spectrom.*, 1982, **9**, 483 (*ms*)
Agrochemicals Handbook, Royal Society of Chemistry, London, 1983, A386.
Pesticide Manual, 6th Ed., 504; 7th Ed., 518.

Tetracosactrin, BAN T-00108

*$\alpha^{1\text{-}24}$ Corticotropin, 9CI. **Tetracosactide, INN**. Cosyntropin, USAN. Synacthen. Cortrosyn. Cortrophin* S. *Other synonyms*

[16960-16-0]

^{1}H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-^{24}ProOH

$C_{136}H_{210}N_{40}O_{31}S$ M 2933.464

Synthetic corticotropic peptide used clinically.

▷GM7915000.

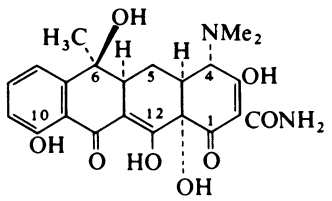
Hexa-Ac: [22633-88-1]. *Tetracosactide acetate, JAN.* Cryst. + $14H_2O$. $[\alpha]_D^{22}$ −88° (c, 0.511 in AcOH).

Hatanaka, C. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 1017 (*synth*)
Hudson, A.M. *et al*, *J. Endocrinol.*, 1977, **73**, 58; 1979, **82**, 33; 1980, **85**, 93 (*metab*)
Jeffcoate, W.J. *et al*, *Clin. Endocrinol.* (*Oxford*), 1977, **7**, 1 (*pharmacol*)
Toma, F. *et al*, *Biopolymers*, 1981, **20**, 901 (*cmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8390.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1465.

Tetracycline, BAN, INN T-00109

4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, 9CI

[60-54-8]



$C_{22}H_{24}N_2O_8$ M 444.440

Prod. by *Streptomyces* spp. Antiamoebic, antibacterial and antirickettsial antibiotic. Cryst. (toluene). Mp 170-175° dec. $[\alpha]_D^{25}$ −239° (MeOH). pK_{a1} 8.3, pK_{a2} 10.2. Other salts used as antibiotics.

▷QI8750000.

B,HCl: [64-75-5]. *Tetracycline hydrochloride, USAN. Achromycin. Economycin. Numerous other synonyms.* Cryst. (butanol/HCl). Mp 214° dec. $[\alpha]_D^{25}$ −257.9° (c, 0.5 in 0.1N HCl). Component of Tetrastatin.

▷QI9100000.

Phosphate complex: [1336-20-5]. *Tetracycline phosphate complex, BAN, USAN. Numerous other synonyms.* Antibiotic. Yellow powder. Compound of Azotrex and Comycin.

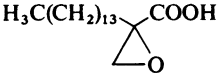
4-Epimer; B,HCl: Epitetracycline hydrochloride, USAN. Component of Topicycline.

Gurevich, A.I. *et al*, *Tetrahedron Lett.*, 1967, 131 (*synth*)
Barton, D.H.R. *et al*, *J. Chem. Soc.* (*C*), 1971, 2164, 2166, 2175, 2184, 2193, 2204, 2215, 2225, 2231, 2241 (*synth*)
Asleson, G.L. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 4745 (*cmr*)
Stezowski, J.J., *J. Am. Chem. Soc.*, 1976, **98**, 6012 (*cryst struct*)
Caira, M.R. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1171 (*cryst struct*)
Ali, S.L., *Anal. Profiles Drug Subst.*, 1983, **13**, 597 (*pharmacol*)
Mitscher, L.A. *et al*, *Spectrosc, Int. J.*, 1983, **2**, 296 (*ms*)
Casy, A.F. *et al*, *J. Pharm. Biomed. Anal.*, 1984, **2**, 19 (*cmr*)
Podojil, M. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 259 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6510.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 168, 169, 170.

2-Tetradecyloxiranecarboxylic acid, 9CI T-00110

*2-Tetradecylglycidic acid. **Palmoxiric acid, INN**. McN 3802*

[68170-97-8]



$C_{17}H_{32}O_3$ M 284.438

(*R*)-form [106974-51-0]

Mp 60-62°. $[\alpha]_D^{25}$ +15.96° (c, 0.99 in $CHCl_3$).

(±)-*form* [81556-15-2]
Antidiabetic and antihypertensive agent. Cryst. (Me_2CO). Mp 77-79°.

Na salt: [79069-97-9]. *Palmoxirate sodium, USAN.*
Dihydrate.

Me ester: [69207-52-9]. *Methyl palmoxirate, INN, USAN. McN 3716.*
$C_{18}H_{34}O_3$ M 298.465
Cryst. (MeOH). Mp 43-45°.

Tutwiler, G.F. *et al, Methods Enzymol.*, 1981, **72**, 533 (*rev, pharmacol*)
Ho, W. *et al, J. Med. Chem.*, 1986, **29**, 2184; 1987, **30**, 1094 (*synth, resoln, abs config, pharmacol*)
Weamer, L.E. *et al, J. Labelled Compd. Radiopharm.*, 1986, **23**, 355 (*synth*)

Tetraethylammonium(1+) T-00111

Numerous proprietary names
[66-40-0]

$Et_4N^{\oplus}$

$C_8H_{20}N^{\oplus}$ M 130.253 (ion)
Various derivs. used as synthetic reagents as ion sources which are sol. in org. solvs. Ganglion blocking agent.
▷BS5800000.

Bromide: [71-91-0]. *Tetrylammonium bromide, INN.*
$C_8H_{20}BrN$ M 210.157
Cryst. (EtOH). V. sol. H_2O, EtOH, $CHCl_3$. d_4^{25} 1.388.
▷BS5950000.

Bromide; Br_2 complex: Orange-red needles (EtOH). Mp 78° → dark red liq.

Chloride: [56-34-8]. *Etamon chloride.*
$C_8H_{20}ClN$ M 165.706
Used for dehydrohalogenations. Very hygroscopic. V. sol. H_2O, EtOH, $CHCl_3$, Me_2CO. d_4^{25} 1.1115.
▷BS6125000.

Chloride, tetrahydrate: Prisms. Mp 37.5°.

Hydroxide: [77-98-5].
$C_8H_{21}NO$ M 147.260
Strong base. Used, e.g., in acetylation of nucleosides. Known only in soln. and in form of hydrates.
▷KH3150000.

Hydroxide, tetrahydrate: Needles. V. sol. H_2O. Mp 49-50°.

Hydroxide, hexahydrate: Mp 55°.

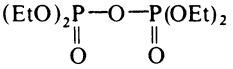
Fluoride: [665-46-3].
$C_8H_{20}FN$ M 149.251
Reagent for deprotecting amino groups. Fluoride ion source. Cleaves Si-C bonds. Dihydrate.

Formate:
$C_9H_{21}NO_2$ M 175.270
Epimerising reagent for secondary alcohols. Hygroscopic cryst.

Crichton, D.C. *et al, J. Chem. Soc.*, 1907, **91**, 1794 (*synth, hydroxide*)
Wagner, L., *Z. Krystallogr.*, 1907, **43**, 190.
Walden, P., *Chem. Zentralbl.*, 1912, **1**, 1957.
Moe, G.K. *et al, Pharmacol. Rev.*, 1950, **2**, 61 (*rev, pharmacol*)
Kevill, D.N. *et al, J. Org. Chem.*, 1963, **28**, 567 (*use*)
Lohrman, R. *et al, J. Am. Chem. Soc.*, 1964, **86**, 4188 (*use*)
Carpino, L.A. *et al, J. Chem. Soc., Chem. Commun.*, 1978, 358 (*use*)
Fieser, M. *et al, Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 1137, 1138; **2**, 397; **6**, 568, 569; **7**, 356; **8**, 470.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1062.

Tetraethyl pyrophosphate, 8CI T-00112

Tetraethyl diphosphate, 9CI. ***Ethyl pyrophosphate, BAN.*** *Nifos. Tetrastigmine. TEPP, BSI*
[107-49-3]



$C_8H_{20}O_7P_2$ M 290.189
Non-systemic insecticide. Used to treat myasthenia gravis. Cholinesterase inhibitor. Misc. H_2O, most org. solvs., spar. sol. pet. ether. d_4^{24} 1.19. $Bp_{0.08}$ 104-110°. n_D^{25} 1.4180. Corrodes metals, hydrol. by H_2O. Dec. at 170° → ethylene.
▷V. highly toxic, TLV 0.05. UX7051000.

Toy, A.D.F., *J. Am. Chem. Soc.*, 1948, **70**, 3882 (*synth*)
Mowthorpe, D.J. *et al, Spectrochim. Acta, Part A*, 1967, **23**, 451 (*nmr, pmr*)
Turpin, R. *et al, Bull. Soc. Chim. Fr.*, 1971, 3878 (*synth*)
Petrov, K.A. *et al, Zh. Obshch. Khim.*, 1976, **46**, 1242 (*Engl. transl.* p. 1222) (*synth*)
Sosnovsky, G. *et al, Z. Naturforsch, B*, 1976, **31**, 820 (*synth, pmr*)
Mizraki, V. *et al, J. Org. Chem.*, 1982, **47**, 3533 (*ms*)
Segall, Y. *et al, Tetrahedron Lett.*, 1983, **23**, 139 (*synth, P-31 nmr*)
Pesticide Manual, 6th Ed., 498; 7th Ed., 510.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1015.

1,1,1,2-Tetrafluoroethane, 9CI T-00113

Norflurane, INN, USAN
[811-97-2]

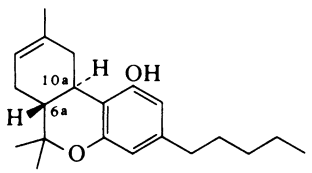
F_3CCH_2F

$C_2H_2F_4$ M 102.031
Inhalation anaesthetic. Bp −26.5°.

Henne, A.L. *et al, J. Am. Chem. Soc.*, 1936, **58**, 887 (*synth*)
Edgell, W.F. *et al, J. Am. Chem. Soc.*, 1955, **77**, 4899 (*synth*)
Hasek, W.R. *et al, J. Am. Chem. Soc.*, 1960, **82**, 543 (*synth*)
Elleman, D. *et al, J. Mol. Spectrosc.*, 1961, **7**, 307, 393 (*nmr*)
Rausch, D.A. *et al, J. Org. Chem.*, 1963, **28**, 494 (*synth*)
Rud Nielsen, J. *et al, J. Mol. Spectrom.*, 1965, **17**, 341 (*ir, raman*)
MacKnight, S.D. *et al, Org. Mass Spectrom.*, 1969, **2**, 653 (*ms*)
Ger. Pat., 2 837 515, (*1979*); *CA*, **91**, 19875 (*synth*)
Al-Ajdah, G.N.D. *et al, J. Mol. Struct.*, 1980, **65**, 271 (*mol struct*)

Δ⁸-Tetrahydrocannabinol T-00114

6a,7,10,10a-Tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]pyran-1-ol, 9CI. Δ⁶⁽¹⁾-Tetrahydrocannabinol



(6a*R*,10a*R*)-*form*

$C_{21}H_{30}O_2$ M 314.467
(***6aR,10aR*)-*form*** [5957-75-5]
(−)-trans-*form*
Active constit. of marijuana or hashish (*Cannabis sativa*). Antiemetic. Oil. $Bp_{0.1}$ 175-178°. $[\alpha]_D^{27}$ −260° (c, 0.70 in EtOH), −250° ($CHCl_3$).
▷HP8400000.

(6aR,10aS)-form
(+)-cis-*form*
$[\alpha]_D$ +123° (c, 1.5 in EtOH).

(6aS,10aS)-form [33029-18-4]
(+)-trans-*form*
Gum. $[\alpha]_D^{24}$ +250° (c, 1.04 in EtOH), $[\alpha]_D$ +248° ($CHCl_3$).

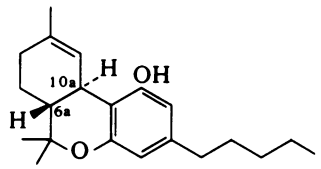
(6aRS,10aSR)-form [6216-87-1]
(±)-cis-*form*
Oil or gum.

(6aRS,10aRS)-form [6087-61-2]
(±)-trans-*form*
Oil or gum.

Fahrenholtz, K.E. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 5934 (*synth*)
Jen, T.Y. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 4551 (*synth*)
Mechoulam, R. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 4552; 1972, **94**, 6159 (*synth*)
Wenkert, E. *et al*, *Experientia*, 1972, **28**, 250 (*cmr*)
Inayama, S. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2209 (*ms*)
Archer, R.A. *et al*, *J. Org. Chem.*, 1977, **42**, 490 (*pmr*)
Uliss, D.B. *et al*, *Tetrahedron*, 1977, **33**, 2055 (*synth*)
Vree, T.B., *J. Pharm. Sci.*, 1977, **66**, 1444 (*ms*)
Luteijn, J.M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 201 (*synth*)
Kojima, M. *et al*, *Phytochemistry*, 1982, **21**, 67 (*biosynth*)

Δ^9-Tetrahydrocannabinol T-00115

6a,7,8,10a-Tetrahydro-6,6,9-trimethyl-3-pentyl-6H-dibenzo[b,d]*pyran-1-ol*. Δ^1-*Tetrahydrocannabinol*



(6a*R*,10a*R*)-*form*

$C_{21}H_{30}O_2$ M 314.467
Active cannabinoid.

(6aR,10aR)-form [1972-08-3]
(−)-trans-*form*. ***Dronabinol***, *INN*, ***USAN***. *Deltanyne*. *Marinol*. *NSC 134454*
Constit. of Marijuana. Euphoric, hallucinogen and antiemetic adjunct in cancer chemotherapy. $Bp_{0.05}$ 155-157°. $[\alpha]_D^{20}$ −156° (c, 0.34 in EtOH), $[\alpha]_D$ −176° ($CHCl_3$).
▷HP8225000.

(6aS,10aS)-form [17766-02-8]
(+)-trans-*form*
$[\alpha]_D$ +147° ($CHCl_3$).

(6aR,10aS)-form
(+)-cis-*form*
$[\alpha]_D$ +121° (EtOH).

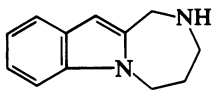
(6aRS,10aRS)-form [3556-79-4]
(±)-trans-*form*
Mp 64.5-65.5° (vacuum).

(6aRS,10aSR)-form [6087-73-6]
(±)-cis-*form*
Oil.
▷HP8130000.

Mechoulam, R. *et al*, *Tetrahedron Lett.*, 1967, 1109 (*abs config*)
Wenkert, E. *et al*, *Experientia*, 1972, **28**, 250 (*cmr*)
Inayama, S. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1519 (*isol*)
Razdan, R.K. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 5860 (*synth*)
Crombie, L. *et al*, *Phytochemistry*, 1975, **14**, 213 (*synth*)
Inayama, S. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2209 (*ms*)
Archer, R.A. *et al*, *J. Org. Chem.*, 1977, **42**, 490 (*pmr*)
Uliss, D.B. *et al*, *Tetrahedron*, 1977, **33**, 2055; 1978, **34**, 1885 (*synth*)
Vree, T.B. *et al*, *J. Pharm. Sci.*, 1977, **66**, 1444 (*ms*)
Lukeijn, J.M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 201 (*synth*)
Cocchetto, D.M. *et al*, *Drug Intell. Clin. Pharm.*, 1981, **15**, 867 (*rev, pharmacol*)
Chan, T.H. *et al*, *Tetrahedron Lett.*, 1982, **23**, 2935 (*synth*)
Razdan, R.K. *et al*, *Med. Res. Rev.*, 1983, **3**, 119 (*rev, pharmacol, tox*)
Gardner, D.V. *et al*, *J. Heterocycl. Chem.*, 1984, **21**, 121 (*use, bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 842.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2530.

2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]-indole, 9CI, 8CI T-00116

Azepindole, *USAN*, ***INN***. *McN 2453*
[26304-61-0]

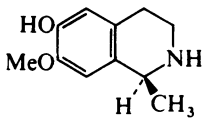


$C_{12}H_{14}N_2$ M 186.256
Antidepressant, antihypertensive agent. Mp 75-77°.

Ger. Pat., 1 928 726, (*1969*); *CA*, **72**, 55528v (*synth, pharmacol*)
U.S.P., 3 787 577, (*1974*); *CA*, **80**, 112652 (*synth, pharmacol*)

1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline T-00117

1,2,3,4-Tetrahydro-7-methoxy-1-methyl-6-isoquinolinol, *9CI*. ***Salsoline***



Absolute configuration

$C_{11}H_{15}NO_2$ M 193.245
(*S*)-form illus.

(R)-form
Alkaloid from *Salsola richteri* and *S. arbuscula* (Chenopodiaceae). Mp 215-216°.
B,HCl: [51424-33-0]. Mp 174-175° (171-172°). $[\alpha]_D$ +40.1° (H_2O)(natural), $[\alpha]_D^{25}$ +31° (c, 1 in MeOH) (synthetic).
▷NX6000000.

(S)-form [89-31-6]
Alkaloid from *S. richteri* (Chenopodiaceae). Mp 218-221°.
B,HCl: [881-26-5]. Cryst. (H_2O). Mp 174-175°. $[\alpha]_D$ −39.2° (H_2O), $[\alpha]_D^{25}$ −31.5° (c, 1 in MeOH).

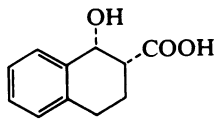
(±)-form
Alkaloid from *Alangium lamarckii*, *Echinocereus merkeri*, *Pachycereus pecten-aboriginum*, *Corispermum leptopyrum*, *S. arbuscula*, *S. kali*, *S. richteri*, *S. ruthenica*, *S. soda*, *Calycotome spinosa*, *Desmodium tiliaefolium* and *Genista purgans* (Cactaceae, Leguminosae, Alangiaceae, Chenopodiaceae). Antihypertensive, has been used clinically in the USSR. Antihistamine. Plant growth inhibitor. Mp 224-226°.
B,HCl: Cryst. ($EtOH/Et_2O$). Mp 147-149°.
Picrate: Yellow needles (H_2O). Mp 189-191°.

Späth, E. *et al*, *Ber.*, 1934, **67**, 1214 (*isol, struct*)
Proskurnina, N. *et al*, *Bull. Soc. Chim. Fr.*, 1937, **4**, 1265 (*isol*)

Kovács, Ö. *et al*, *Chem. Ber.*, 1951, **84**, 795 (*synth*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1960, 1214 (*abs config*)
Ghosal, S. *et al*, *Phytochemistry*, 1973, **12**, 193 (*isol, uv, ir, pmr, ms*)
Teitel, S. *et al*, *J. Med. Chem.*, 1974, **17**, 134 (*synth, pmr, uv*)
Cymerman Craig, J. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 7996 (*uv, cd*)
Drost-Karbowska, K., *Acta Pol. Pharm.*, 1977, **34**, 421; *CA*, **88**, 117814b (*isol*)
Strömbom, J. *et al*, *Acta Pharm. Suec.*, 1978, **15**, 127 (*occur*)
Strömbom, J. *et al*, *J. Chromatogr.*, 1978, **147**, 513 (*hplc*)
Achari, B. *et al*, *Planta Med.*, 1980 (*suppl.*), 5 (*occur*)

1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid, 9CI T-00118

1,2,3,4-Tetrahydro-1-hydroxy-2-naphthoic acid, 8CI



(1*R*,2*R*)-*form*

$C_{11}H_{12}O_3$ M 192.214

***(1R,2R)*-form** [38157-19-6]
(+)-cis-*form*
Mp 98-102°. $[\alpha]_D^{22}$ +49.7° (c, 2 in EtOH).
Me ester: [38157-20-9].
$C_{12}H_{14}O_3$ M 206.241
$[\alpha]_D^{22}$ +50.4° (c, 2 in EtOH).

***(1S,2S)*-form**
(−)-cis-*form*
Cryst. (EtOH). Mp 105°. $[\alpha]_D^{22}$ −102° (c, 2 in EtOH).

***(1R,2S)*-form** [38157-17-4]
(−)-trans-*form*
Mp 126°. $[\alpha]_D^{21}$ −37.1° (c, 1.5 in $CHCl_3$). Not opt. pure.
Me ester: [61474-12-2]. Mp 40-41°. $[\alpha]_D^{22}$ −27.7° (c, 1.5 in $CHCl_3$).

***(1S,2R)*-form**
(+)-trans-*form*
Mp 128.5-130°. $[\alpha]_D^{22}$ +52.0° (c, 1.5 in $CHCl_3$).

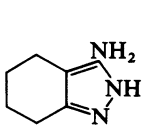
***(1RS,2RS)*-form**
(±)-cis-*form*
Cryst. (Et_2O). Mp 130-131°.
Me ester: [32093-23-5]. Cryst. (Et_2O). Mp 75-75.5°.

***(1RS,2SR)*-form**
(±)-trans-*form*
Mp 157-158°.
Me ester: [32093-24-6]. Mp 70.5-71°.

Bernáth, G. *et al*, *Acta Chim. Acad. Sci. Hung.*, 1970, **64**, 81 (*synth, ir, deriv*)
Sohar, P. *et al*, *Magy. Kem. Foly.*, 1970, **76**, 577; *CA*, **74**, 63815t (*nmr*)
Schoofs, A. *et al*, *Bull. Soc. Chim. Fr.*, 1976, 1215 (*synth, nmr, ir*)

4,5,6,7-Tetrahydro-2*H*-indazol-3-amine, 9CI T-00119

*3-Amino-4,5,6,7-tetrahydro-2*H*-indazole*
[41832-27-3]



$C_7H_{11}N_3$ M 137.184

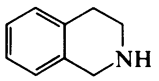
2,N(3)-Di-Me: [17289-49-5]. ***Tetrydamine, USAN.*** *Tetridamine, INN. Fomene. Methyndamine. POLI 67.*
$C_9H_{15}N_3$ M 165.238
Analgesic, antiinflammatory agent. Mp 92-93°.

2,N(3)-Di-Me, maleate (1:1): [22911-97-3]. Mp 150-153°.

B.P., 1 145 544, (*1969*); *CA*, **71**, 3385 (*synth, pharmacol*)
Massaroli, G. *et al*, *Boll. Chim. Farm.*, 1969, **108**, 706 (*synth*)
Scuri, R. *et al*, *Farmaco, Ed. Prat.*, 1970, **25**, 568, 580 (*pharmacol*)
Agnew, M.N. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 1573 (*cmr*)

1,2,3,4-Tetrahydroisoquinoline T-00120

[91-21-4]

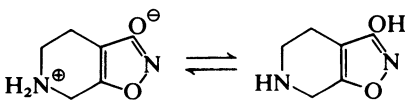


$C_9H_{11}N$ M 133.193
Minor metab. of L-DOPA. Has antiadrenergic props.
Liq. Bp 232-233°.
▷NX4900000.
B,HCl: [14099-81-1]. Mp 195-197°.
▷NX5075000.
Picrate: Yellow cryst. Mp 195°.
N-*Ac:* [14028-67-2].
$C_{11}H_{13}NO$ M 175.230
Mp 46°. Bp_{70} 220-225°.
N-*Benzoyl:*
$C_{16}H_{15}NO$ M 237.301
Mp 129°. Bp_{50} 245-250°.
N-*Aminocarbonyl:*
$C_{10}H_{12}N_2O$ M 176.218
Leaflets (H_2O). Mp 169°.
N-*Et:* [57928-04-8].
$C_{11}H_{15}N$ M 161.246
Pale-yellow oil. Bp 225-227°.

Bamberger, E. *et al*, *Ber.*, 1893, **26**, 1205.
Sandler, M. *et al*, *Adv. Neurol.*, 1973, **2**, 255 (*biosynth*)
Ginos, J. *et al* , *J. Med. Chem.*, 1975, 1194 (*use*)
Gribble, G. *et al*, *Synthesis*, 1975, **10**, 650 (*synth*)
Mata, R. *et al*, *Phytochemistry*, 1983, **22**, 1263 (*cmr*)
Nose, A. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 2421 (*synth*)
Lunn, G. *et al*, *J. Org. Chem.*, 1986, **51**, 513 (*synth*)

4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol T-00121

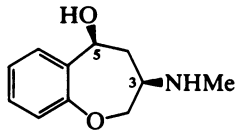
4,5,6,7-Tetrahydroisoxazolo[5,4-c]pyridin-3(2H)-one, 9CI. ***Gaboxadol, INN.*** *THIP*
[64603-91-4]



$C_6H_8N_2O_2$ M 140.141
GABA agonist. Mp 242-244° dec. pK_{a1} 4.44 ± 0.03, pK_{a2} 8.48 ± 0.04. Zwitterionic.
B,HBr: [65202-63-3]. Faint-reddish cryst. (MeOH/Et_2O). Mp 162-163°.

Krogsgaard-Larsen, P. *et al*, *Acta Chem. Scand., Ser. B*, 1977, **31**, 584 (*synth, uv, ir, pmr, use*)
Krogsgaard-Larsen, P. *et al*, *Nature (London)*, 1977, **268**, 53 (*pharmacol*)
Christensen, A.V. *et al*, *Pharm. Weekbl. Sci. Ed.*, 1982, **4**, 145 (*rev*)
Madsen, S.M. *et al*, *Acta Pharmacol. Toxicol.*, 1983, **53**, 353 (*pharmacol, tox*)
Krogsgaard-Larsen, P., *Neuropharmacology*, 1984, **23**, 837 (*rev*)

2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol, 9CI T-00122



(3RS,5SR)-form

$C_{11}H_{15}NO_2$ M 193.245

(3RS,5RS)-form [102221-81-8]
trans-(±)-*form*

B,HCl: [77956-94-6]. Mp 170-173°.

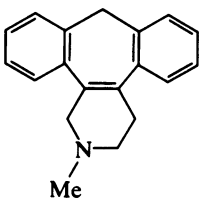
(3RS,5SR)-form [77416-65-0]
cis-(±)-*form*. ***Exepanol, INN***
Stomachic, promotes stomach peristalsis.

B,HCl: [77956-93-5]. *KC 2450*. Mp 190-193°.

Kaupmann, W. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1985, **20**, 207 (*synth, pmr, pharmacol*)
Wolf, K.U., *Arzneim.-Forsch.*, 1985, **35**, 136 (*pharmacol*)
Fowler, P.J. *et al*, *Eur. J. Pharmacol.*, 1987, **142**, 225 (*pharmacol*)

2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]cyclohepta[1,2-*c*]-pyridine, 9CI T-00123

Setiptiline, INN. *MO 8282*
[57262-94-9]



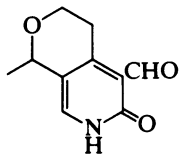
$C_{19}H_{19}N$ M 261.366
Antidepressant. Antiulcerogenic. Plates. Mp 138.5-139.5°.

Maleate: Mp 160-162°.

Ger. Pat., 2 503 407, (*1975*); *CA*, **83**, 193278 (*synth, pharmacol*)
U.S.P., 4 002 632, (*1977*); *CA*, **83**, 193278s (*synth*)
U.S.P., 4 447 437, (*1984*); *CA*, **102**, 172638 (*pharmacol*)

3,4,6,7-Tetrahydro-1-methyl-6-oxo-1*H*-pyrano[3,4-*c*]pyridine-5-carboxaldehyde, 9CI T-00124

[53848-05-8]

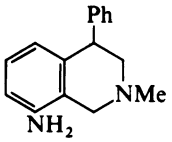


$C_{10}H_{11}NO_3$ M 193.202
Alkaloid from gentiana (a Chinese medicinal herb). Mp 208-210°. $[\alpha]_D$ ~0.8°.

Xue, Z. *et al*, *K'o Hsueh T'ung Pao*, 1974, **19**, 378; *CA*, **82**, 13964k (*isol, uv, ir, pmr, struct*)

1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, 9CI T-00125

Nomifensine, BAN
[24526-64-5]



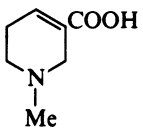
$C_{16}H_{18}N_2$ M 238.332
Thymoleptic, CNS stimulant. Mp 179-181°.
▷NX4912700.

Maleate: [32795-47-4]. *Nomifensine maleate, USAN. Numerous proprietary names*. Cryst. (EtOH). Mp 199-201°.
▷NX4912800.

B.P., 1 164 192, (*1969*); *CA*, **72**, 21621e (*synth*)
Maj, J. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 1109 (*pharmacol*)
Eiden, F. *et al*, *Dtsch. Apoth.-Ztg.*, 1977, **117**, 611 (*props, spectra*)
Fields, E.D., *Drug Intell. Clin. Pharm.*, 1982, **16**, 547 (*pharmacol*)
Heptner, W. *et al*, *J. Clin. Psychiatry*, 1984, **45**, 12, 21, 33 (*rev*)
Linford Rees, W., *Int. Congr. Symp. Ser.*,, R. Soc. Med. London, 1984, **70** (*book*)
Berova, N. *et al*, *CA*, 1985, **103**, 141804x (*synth, resoln, abs config*)
Zava-Kaczian, E. *et al*, *J. Med. Chem.*, 1986, **29**, 1189 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3981.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2529.

1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, 9CI T-00126

Arecaidine. *Arecaine*
[499-04-7]



$C_7H_{11}NO_2$ M 141.169
Alkaloid from nuts of *Areca catechu* (betel nuts) (Palmae). Cholinergic and antihelmintic agent. Mp 223-224° dec. (anhyd. 232° dec.). Strong base.
▷QT2070800.

B,HCl: Mp 262-263° (rapid heat) (250.5-262°).

Me ester: [63-75-2]. ***Arecoline***.
$C_8H_{13}NO_2$ M 155.196
Alkaloid from *A. catechu* (Palmae). Cathartic, vermifuge, antihypertensive agent etc. Formerly used as a cholinergic agent. Liq. Bp_{17} 94°, Bp_7 74°. pK_a 6.81.
▷Highly toxic, exp. carcinogen. QT2100000.

Me ester; B,HCl: [61-94-9]. Mp 157-158°.
▷QT2150000.

Me ester; B,HBr: [300-08-3]. Mp 172°.
▷QT2275000.

Me ester; B,MeI: Mp 173-174°.

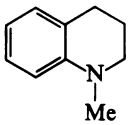
Jahns, E., *Ber.*, 1888, **21**, 3404 (*isol*)
Wohl, A. *et al*, *Ber.*, 1907, **40**, 4712 (*struct, synth*)
Chemnitius, F., *J. Prakt. Chem.*, 1927, **117**, 147 (*isol, deriv*)
Mannich, C., *Ber.*, 1942, **75**, 1480 (*synth*)
Lyle, R.E. *et al*, *J. Org. Chem.*, 1955, **20**, 1761 (*synth, uv*)
Ma, J.C.N. *et al*, *Can. J. Chem.*, 1965, **43**, 1849 (*pmr*)
Spiteller-Friedmann, M. *et al*, *Monatsh. Chem.*, 1965, **96**, 104 (*ms*)
Nery, R., *Biochem. J.*, 1971, **122**, 503 (*metab, tox, bibl*)
Burrows, R.B., *Progr. Drug. Res.*, 1973, **17**, 108 (*rev*)

Kozello, I.A. *et al*, *Khim. Farm. Zh.*, 1979, **13**, 61; *CA*, **92**, 110798y (*synth*)
Hollander, E. *et al*, *Br. Med. Bull.*, 1986, **42**, 97 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 759.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 387.

1,2,3,4-Tetrahydro-1-methylquinoline T-00127

Kairoline

[491-34-9]



$C_{10}H_{13}N$ M 147.219

Has antipyretic activity. Liq. d_4^{20} 1.02. Bp 247-250°, Bp_8 112°.

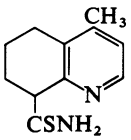
B,HCl: [19999-67-8]. Mp 100°.
Picrate: [15207-51-9]. Mp 144°.
B,MeI: Mp 172-174°.

Bockmühl, M. *et al*, *Chem. Zentr.*, 1943, **1**, 2608 (*use*)
Kametani, T. *et al*, *Chem. Pharm. Bull.*, 1966, **14**, 566 (*synth, pmr*)
Gribble, G. *et al*, *Synthesis*, 1975, **10**, 650 (*synth*)
Crow, W.D. *et al*, *Aust. J. Chem.*, 1979, **32**, 99 (*synth*)

5,6,7,8-Tetrahydro-4-methylquinoline-8-carbothiamide, 9CI T-00128

Isotiquimide, BAN, INN, USAN

[56717-18-1]



$C_{11}H_{14}N_2S$ M 206.305

(±)-*form*

Antiulcer drug. Oil. Bp_{14} 120°.

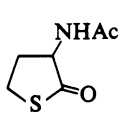
B,HCl: Wy 24377. Mp 244-245°.

Ger. Pat., 2 459 631, (*1975*); *CA*, **83**, 131483w (*synth, pharmacol*)
Crossley, R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 983 (*synth*)

N-(Tetrahydro-2-oxo-3-thienyl)acetamide, 9CI, 8CI T-00129

2-Acetamido-4-mercaptobutyric acid γ-thiolactone. α-Acetamido-γ-thiobutyrolactone. α-N-Acetylhomocysteinethiolactone. ***Citiolone, INN.*** *Citiolase. Mucorex. Reducdyn. Sitilon. Thioxidren. Bo 714*

[1195-16-0]



$C_6H_9NO_2S$ M 159.203

▷AC8680000.

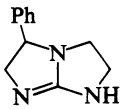
(±)-*form*

Photographic antifogging agent, thiolating agent, used for insolubilising antibodies and to treat hepatic disorders. Needles (toluene). Mp 111.5-112.5°.

Benesch, R. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1597.
Kirnberger, E.J. *et al*, *Arzneim.-Forsch.*, 1958, **8**, 72 (*pharmacol*)
Ger. Pat., 1 134 683, (*1962*); *CA*, **58**, 4648c
Varga, F.U. *et al*, *Arzneim.-Forsch.*, 1963, **13**, 867 (*pharmacol*)
Stephen, J. *et al*, *Biochem. J.*, 1966, **101**, 717 (*use*)
Chidlow, J.W. *et al*, *Biochem. J.*, 1967, **104**, 48; *Nature* (*London*), 1968, **218**, 773 (*use*)
Theodor, W. *et al*, *Chem. Ber.*, 1967, **100**, 3869 (*use*)
Bocelli, G. *et al*, *J. Mol. Struct.*, 1982, **96**, 121 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12577.

2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]imidazole, 9CI T-00130

[53361-23-2]



$C_{11}H_{13}N_3$ M 187.244

(+)-*form* [42116-77-8]

Deximafen, USAN, INN. *R 26333*

Antidepressant. Cryst. (Me_2CO). Mp 152.6°. $[\alpha]_D$ +214.4° (c, 1 in MeOH).

B,HCl: Mp 277.3°. $[\alpha]_D$ +114.4° (c, 1 in MeOH).

(±)-*form* [53361-23-2]

Imafen. R 25540

Antidepressant. Cryst. (Me_2CO/4-methyl-2-pentanone). Mp 167-169.5°.

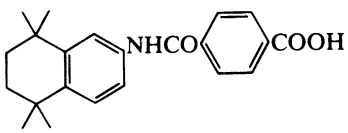
B,HCl: [53361-24-3]. *Imafen hydrochloride, USAN.* Mp 227.5-229°.

U.S.P., 3 925 383, (*1975*); *CA*, **84**, 180264e (*synth, pharmacol*)
Lambert, P. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 2654 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12636.

4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)amino]carbonyl]-benzoic acid, 9CI T-00131

Terephthalic acid mono-5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthylamide. Am 80

[94497-51-5]



$C_{22}H_{25}NO_3$ M 351.444

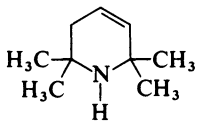
Inducer of HL-60 myelogenous leukaemia cell differentiation. Inhibitor of ornithine decarboxylase. Cryst. (EtOAc/hexane). Mp 205.5-206°.

NH_4 salt: [102121-57-3]. Mp 145-146°.

Kagechika, H. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 4209 (*synth, pharmacol*)
Eur. Pat., 170 105, (*1986*); *CA*, **104**, 206948q (*synth*)
Hashimoto, Y. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 3190 (*pharmacol*)

1,2,3,6-Tetrahydro-2,2,6,6-tetramethylpyridine T-00132

[1124-69-2]



$C_9H_{17}N$ M 139.240
Bp_{14} 41-43°.
▷TM7130000.

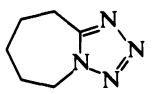
N-*Me:* [34703-49-6]. *1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, 8CI.* ***Dropempine, INN.***
$C_{10}H_{19}N$ M 153.267
Ganglionic blocking agent, antihypertensive, antiulcerogenic. Bp_{13} 62-63°. n_D^{20} 1.4654.
▷TM7100000.

Grob, C.A. *et al, Helv. Chim. Acta*, 1964, **47**, 2145 (*synth*)
East Ger. Pat., 80 029, (*1971*); *CA*, **76**, 14345x (*deriv, synth, pharmacol, tox*)

6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, 9CI T-00133

*7,8,9,10-Tetraazabicyclo[5.3.0]deca-8,10-diene. Pentylenetetrazole. Metrazol. Metalex-*P. *Cardiazol. Corazole. Cenazole. Coranormol. Gecuazol. Leptazole. Ventrazole. Phrenazole. Pentetrazole.* ***Pentetrazol,*** *BAN, INN. Numerous proprietary names*

[54-95-5]



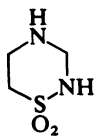
$C_6H_{10}N_4$ M 138.172
Central stimulant, analeptic. Narcotic antagonist for vet. use. Cryst. (pet. ether). Sol. H_2O, most org. solvs. Mp 58°. $Bp_{0.45}$ 150-153°.
▷XF8225000.

Chapman, N.B. *et al, J. Chem. Soc.*, 1945, 929 (*synth*)
Sammul, O.R. *et al, J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Slater, I.H., *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 517 (*pharmacol*)
Baker, E.B. *et al, J. Phys. Chem.*, 1972, **76**, 2403 (*pmr*)
Ward, D.L. *et al, Acta Crystallogr., Sect. B*, 1979, **35**, 1413 (*cryst struct*)
Stefaniak, L. *et al, Org. Magn. Reson.*, 1984, **22**, 215 (*N-15 nmr*)
Nishiyama, K. *et al, Bull. Chem. Soc. Jpn.*, 1985, **58**, 2419 (*synth*)
Ramzan, I.M. *et al, J. Pharm. Sci.*, 1985, **74**, 1233 (*pharmacol, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 492.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1437.

Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide, 9CI T-00134

Taurultam, *BAN, INN*

[38668-01-8]

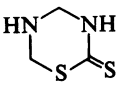


$C_3H_8N_2O_2S$ M 136.168
Antibacterial, antifungal, used in dandruff shampoos.

N^4-Me:
$C_4H_{10}N_2O_2S$ M 150.195
Cryst. (EtOH). Mp 138.5-139.3°.

B.P., 1 124 285, (*1968*); *CA*, **69**, 36190a (*synth*)
Ger. Pat., 2 204 061, (*1972*); *CA*, **77**, 130495r (*synth, use*)

Tetrahydro-2*H*-1,3,5-thiadiazine-2-thione, 9CI T-00135



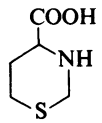
$C_3H_6N_2S_2$ M 134.214
*3,5-*N*-Di-Me:* [533-74-4]. *Fennosan B-100. Dazomet.*
$C_5H_{10}N_2S_2$ M 162.267
Industrial microbiocide and antifouling agent. Cryst. (Me_2CO/hexane). Mp 106°.
▷XI2800000.
*3,5-*N*-Di-Ph:* [14318-36-6].
$C_{15}H_{14}N_2S_2$ M 286.409
Cryst. (C_6H_6). Mp 178°.

Shah, I.D. *et al, J. Indian Chem. Soc.*, 1964, **41**, 225 (*synth*)
Talukdar, P.B., *J. Indian Chem. Soc.*, 1967, **44**, 17 (*synth, uv, ir*)
Czech. Pat., 137 838, (*1972*); *CA*, **76**, 34315
Czech. Pat., 140 982, (*1972*); *CA*, **77**, 19687

Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, 9CI T-00136

Omonasteine, INN

[60175-95-3]



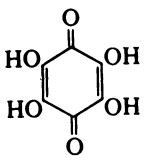
$C_5H_9NO_2S$ M 147.192
(±)-***form*** [86625-90-3]
Antiasthmatic, mucolytic agent. Monohydrate.
B,HCl: Cryst. (EtOH/EtOAc). Mp 213-216° dec.

Fr. Pat., 2 267 105, (*1975*); *CA*, **85**, 94385 (*synth, pharmacol*)
Medard, J.M. *et al, Cryst. Struct. Commun.*, 1976, **5**, 843 (*cryst struct*)
Lewis, N.J. *et al, J. Med. Chem.*, 1978, **21**, 1070 (*synth, pharmacol*)
Musser, J.H. *et al, Heterocycles*, 1985, **23**, 889 (*synth*)

Tetrahydroxy-1,4-benzoquinone T-00137

2,3,5,6-Tetrahydroxy-2,5-cyclohexadiene-1,4-dione, 9CI. ***Tetroquinone,*** *USAN, INN. Kelox. Terasin. HPEK 1. NSC 112931. THQ*

[319-89-1]



$C_6H_4O_6$ M 172.094
Systemic keratolytic and antimicrobial agent; also shows antitrypanosomal, antiviral and carcinostatic activity. Black plates (2M HCl). Mp >300°. pK_{a1} 4.55, pK_{a2} 6.65.

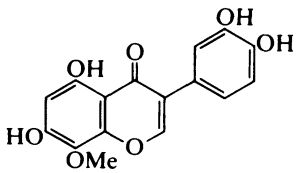
Tetra-Ac: [20129-61-7].
$C_{14}H_{12}O_{10}$ M 340.243
Pale-yellow needles (MeOH). Mp 172-173°.

2,5-Di-Me ether: [62267-71-4].
$C_8H_8O_6$ M 200.148
Red-brown cryst. (MeOH). Mp 237-238°.
Tetra-Me ether: [3117-06-4]. *Tetramethoxy-1,4-benzoquinone.*
$C_{10}H_{12}O_6$ M 228.201
Red needles (MeOH). Mp 135°.
Tetra-Et ether: [58535-78-7]. *Tetraethoxy-1,4-benzoquinone.*
$C_{14}H_{20}O_6$ M 284.308
Cryst. (MeOH aq.). Mp 57°.

Org. Synth., Coll. Vol., **5**, 1011.
Eistert, B. *et al*, *Chem. Ber.*, 1959, **92**, 1239 (*synth, deriv*)
Skujins, S. *et al*, *Tetrahedron*, 1968, **24**, 4805 (*ms*)
Weuffen, W. *et al*, *Pharmazie*, 1970, **25**, 480 (*pharmacol*)
v. Phillipsborn, W., *Pure. Appl. Chem.*, 1974, **40**, 159 (*cmr*)
Junek, H. *et al*, *Z. Naturforsch., B*, 1978, **33**, 1201 (*synth, deriv*)
Hoffmann, M.E. *et al*, *Experientia*, 1987, **43**, 217 (*biochem*)

3',4',5,7-Tetrahydroxy-8-methoxyisoflavone T-00138

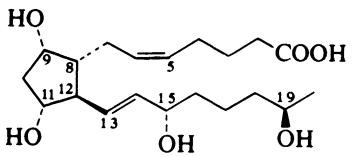
3-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-8-methoxy-4H-1-benzopyran-4-one, 9CI
[58262-89-8]



$C_{16}H_{12}O_7$ M 316.267
Prod. by *Aspergillus niger* and *Streptomyces neyagawaensis* var. *orobolare*. DOPA decarboxylase inhibitor. Brownish cryst. ($MeOH/C_6H_6$). Mp 252° dec.

Umezawa, H. *et al*, *J. Antibiot.*, 1975, **28**, 947.
Tobe, H. *et al*, *J. Antibiot.*, 1976, **29**, 623.

9,11,15,19-Tetrahydroxy-5,13-prostadienoic acid T-00139



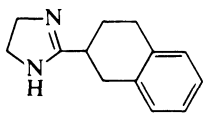
(5Z,9S,11R,13E,15S,19R)-form

$C_{20}H_{34}O_6$ M 370.485
(5Z,9S,11R,13E,15S,19R)-form [56932-60-6]
19R-Hydroxy-PGF$_{2\alpha}$
Occurs in human semen. Bronchodilator.
(5Z,8R,9S,11R,13E,15S,19R)-form [70287-57-9]
Occurs in human semen.

Taylor, P.L. *et al*, *FEBS Lett.*, 1975, **57**, 22.
B.P., 1 501 864, (*1978*); *CA*, **89**, 127756n (*synth*)
Taylor, P.L. *et al*, *Prostaglandins*, 1979, **17**, 259 (*ms*)

Tetrahydrozoline, BAN T-00140

4,5-Dihydro-2-(1,2,3,4-tetrahydro-1-naphthalenyl)-1H-imidazole, 9CI. *2-(1,2,3,4-Tetrahydro-1-naphthyl)-imidazoline,* 8CI. ***Tetryzoline, INN***
[84-22-0]



$C_{13}H_{16}N_2$ M 200.283
Vasoconstrictor, sympathomimetic and potentiator of CNS depressants.
▷NJ4525000.

B,HCl: Tetrahydrozoline hydrochloride, USAN. *Tyzanol. Tyzine. Numerous proprietary names.* Cryst. (EtOH). Mp 256-257° dec. Component of Murine plus.
B,HBr: Mp 250-252°.
B,H_3PO_4: Visumetilen. Mp 209-211°.

U.S.P., 2 731 471; *CA*, **51**, 1291 (*synth*)
U.S.P., 2 842 478; *CA*, **52**, 16703 (*synth*)
Yellin, T.O. *et al*, *Acta Physiol. Scand. Suppl.*, 1978, 219 (*synth, use*)
Zavecz, J.H. *et al*, *Eur. J. Pharmacol.*, 1981, **71**, 297 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2782.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2108.

Tetraiodoethylene T-00141

Periodoethylene
[513-92-8]

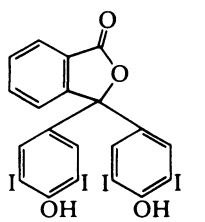
$I_2C{=}CI_2$

C_2I_4 M 531.640
Antiseptic. Lemon-yellow leaflets (AcOH). V. sol. CS_2, spar sol EtOH. d^{20} 2.983. Mp 192°.
▷KX4125000.

Biltz, H. *et al*, *Ber.*, 1904, **37**, 4412 (*synth*)
Datta, R.L. *et al*, *J. Am. Chem. Soc.*, 1917, **39**, 441 (*synth*)
Haywood, B.C. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1765 (*cryst struct*)

Tetraiodophenolphthalein T-00142

3,3-Bis(4-hydroxy-3,5-diiodophenyl)-1(3H)-isobenzofuranone, 9CI. *3,3-Bis(4-hydroxy-3,5-diiodophenyl)-phthalide. Iodophene. Nosophen*
[386-17-4]



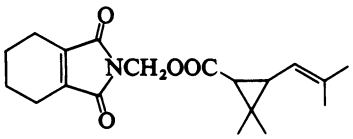
$C_{20}H_{10}I_4O_4$ M 821.915
Diagnostic aid (cholecystographic radiopaque medium), antiseptic. Light-yellow powder. Mp 200° dec.
Di-Na salt: [632-73-5]. *Iodophthalein sodium,* INN. *Iodeikon. Bilagnost. Cholumbrin. Opacin. TIPPS. Radiotetrane. Videophal. Other synonyms.*
$C_{20}H_8I_4Na_2O_4$ M 865.878
Pale blue-violet cryst. + $3H_2O$.
▷SM8400000.

Classen, A. *et al*, *Ber.*, 1895, **28**, 1603 (*synth, Na salt*)
Orndorff, W.R. *et al*, *J. Am. Chem. Soc.*, 1918, **40**, 937 (*synth*)
Jones, G.E. *et al Radiology*, 1948, **51**, 225 (*prop*)
Hoppe, J.O., *J. Am. Pharm. Assoc.*, 1959, **48**, 368 (*props*)
Zsolani, T., *Biochem. Pharmacol.*, 1960, **5**, 1 (*props*)
Hoppe, J.O. *et al*, *J. Med. Chem.*, 1970, **13**, 997 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1566.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5544 (*synonyms*)

Tetramethrin, BAN, INN T-00143

(1,3,4,5,6,7-Hexahydro-1,3-dioxo-2H-isoindol-2-yl)-methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate, 9CI. 3,4,5,6-Tetrahydrophthalimidomethyl chrysanthemate. Neo-Pynamin. Phthalthrin

[7696-12-0]



$C_{19}H_{25}NO_4$ M 331.411

Public health insecticide. Cryst. Sol. Me_2CO, C_6H_6, mod. sol. EtOH. Mp 65-80°. Mixt. of stereoisomers.

▷GZ1730000.

U.S.P., 3 268 398, (*1963*); *CA*, **63**, 5689e
Pesticide Manual, 6th Ed., 506.
Kato, T. *et al*, *Agric. Biol. Chem.*, 1964, **28**, 914 (*isomers*)
Miyamoto, J. *et al*, *Agric. Biol. Chem*, 1968, **32**, 628 (*metab*)
Nakazawa, H. *et al*, *Agric. Biol. Chem*, 1980, **44**, 1173 (*cmr*)
Ruzo, L. *et al*, *Pestic. Biochem. Pysiol.*, 1984, **21**, 84 (*synth, toxicol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3610.

Tetramethylammonium(1+) T-00144

N,N,N-*Trimethylmethanaminium, 9CI*

[51-92-3]

$Me_4N^{\oplus}$

$C_4H_{12}N^{\oplus}$ M 74.146 (ion)

Bromide: [64-20-0].
$C_4H_{12}BrN$ M 154.050
Volatile cryst. Bp >230° (subl., dec.).
▷BS7600000.

Tribromide:
$C_4H_{12}Br_3N$ M 313.858
Mild brominating agent.

Iodide: [75-58-1]. *Tetrammonium iodide. Artilacer. Banikol. TMAI. Yodurtam.*
$C_4H_{12}IN$ M 201.050
Ganglion blocking agent. Pale yellow cryst. d 1.84. Mp 230° dec.
▷PA1050000.

Formate: [59138-84-0]. *Tetrammonium formate. Fibrogenina. Forgenin. Tonoformina.* Ganglion blocking agent, neurocardiotonic.
▷BS7960000.

Hydroxide: [10424-65-4].
$C_4H_{13}NO$ M 91.153
Hygroscopic needles + $5H_2O$. Mp 63°. Absorbs CO_2 readily. Powerful base, comparable to NaOH. Gentle warming produces lower hydrates. Dec. on boiling.
▷Caustic, highly irritant

Borohydride:
$C_4H_{16}BN$ M 88.987
Reducing agent sol. in nonpolar solvs. and stable to alcohols.

Schmidt, E., *Justus Liebigs Ann. Chem.*, 1892, **267**, 254 (*synth*)
Walker, J. *et al*, *J. Chem. Soc.*, 1905, **87**, 955 (*synth*)
Japan. Pat., 60 11 754, (*1960*); *CA*, **56**, 4617i (*synth*)
Dunsmone, H.S. *et al*, *Lab. Pract.*, 1972, **21**, 791 (*synth*)
Kabisch, G., *J. Raman Spectrosc.*, 1980, **9**, 279 (*cryst struct*)
Llinares, J. *et al*, *Org. Magn. Reson.*, 1980, **14**, 20 (*cmr*)
Neef, C. *et al*, *Naunyn-Schmiedeberg's Arch. Pharmacol.*, 1984, **328**, 103, 111 (*pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 1143, 1144.
Tsubaki, H. *et al*, *J. Pharmacobio.-Dyn.*, 1986, **9**, 737 (*pharmacol*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1018.

(1,1,3,3-Tetramethylbutyl)guanidine, 9CI, 8CI T-00145

Guanoctine, INN

[3658-25-1]

$(H_3C)_3CCH_2C(CH_3)_2NHC(NH_2)=NH$

$C_9H_{21}N_3$ M 171.285

Antihypertensive drug.

B,HCl: [1070-95-7]. *Guanoctine hydrochloride, USAN. A 7283. BP 1184.* Mp 194.5-195.5°.

Short, J.H. *et al*, *J. Med. Chem.*, 1968, **11**, 1129 (*synth, pharmacol*)

2,2,9,9-Tetramethyl-1,10-decanediol, 9CI T-00146

Gemcadiol, USAN, INN. CI 720

[35449-36-6]

$HOCH_2C(CH_3)_2(CH_2)_6C(CH_3)_2CH_2OH$

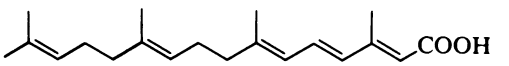
$C_{14}H_{30}O_2$ M 230.390

Antihyperlipoproteinaemic agent. Cryst. (MeCN). Mp 61-62°.

B.P., 1 283 455, (*1971*); *CA*, **76**, 153187k (*synth*)
Blumenthal, H.P. *et al*, *Lipids*, 1977, **12**, 44 (*pharmacol*)
Fitzgerald, J.E. *et al*, *Fundam. Appl. Toxicol.*, 1986, **6**, 520 (*tox*)

3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid, 9CI T-00147

[80370-67-8]



(all-*E*)-*form*

$C_{20}H_{30}O_2$ M 302.456

(all-E)-form [81485-25-8]

Polyprenic acid. E 5166

Antineoplastic agent. Cryst. (MeCN). Mp 78°.

Hasegawa, T., *Acta Vitiminol. Enzymol.*, 1984, **6**, 109 (*props*)
Ono, T. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 7890 (*synth*)
Ashizawa, K. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 3062 (*cryst struct, bibl*)

N,N,N′,N′-Tetramethyl-1,6-hexanediamine, 9CI T-00148

N,N,N′,N′-*Tetramethylhexamethylenediamine*

[111-18-2]

$Me_2N(CH_2)_6NMe_2$

$C_{10}H_{24}N_2$ M 172.313

Bis(8-chlorotheophyllinate): Regutensin. Antihypertensive agent. Cryst. (EtOH). Mp 165°.

Polymer with 1,3-dibromopropane: [9011-04-5]. *Hexadimethrine bromide, INN. Polybrene.* $(C_{13}H_{30}Br_2N_2)_n$

Heparin antagonist. Hygroscopic amorph. polymer.

▷MO1400000.

Netherlands Pat., 80 362, (*1956*); *CA*, **50**, 17348a (*synth, deriv*)
Kimura, E.T. *et al, Toxicol. Appl. Pharmacol.*, 1959, **1**, 185, 560 (*pharmacol*)
August, A., *Am. J. Med. Technol.*, 1965, **31**, 271 (*metab*)
Rembaum, A. *et al, Macromolecules*, 1972, **5**, 261 (*synth, polymer*)

Tetramethylthiuram disulfide T-00149

Tetramethylthioperoxydicarbonic diamide, 9CI. Bis(dimethylthiocarbamyl) disulfide, 8CI. **Thiram, USAN, INN.** *Arasan. Fernasan. Fernide. Pomarsol. Rezifilm. Tersan. Tetrathion. NSC 1771. SQ 1489*

[137-26-8]

$Me_2NCS{-}S{-}S{-}CSNMe_2$

$C_6H_{12}N_2S_4$ M 240.414

Fungicide, bacteriostat, rubber vulcanisation accelerator. Cryst. ($CHCl_3$/EtOH). Insol. H_2O, sol. $CHCl_3$. Mp 155-156°.

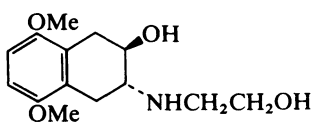
▷Mod. toxic, mild allergen and irritant. JO1400000.

U.S.P., 3 147 308, (*1964*); *CA*, **61**, 14539e (*synth*)
Maroey, K., *Acta Chem. Scand.*, 1965, **19**, 1509 (*cryst struct*)
Benson, W.R. *et al, J. Assoc. Off. Anal. Chem.*, 1968, **51**, 347 (*ms*)
Brinkhoff, H.C. *et al, Recl. Trav. Chim. Pays-Bas*, 1971, **90**, 252 (*pmr, ir*)
Gore, R.C. *et al, J. Assoc. Off. Anal. Chem.*, 1971, **54**, 1040 (*ir, uv*)
Keers Sÿpesteijn, A., *Symp. Br. Mycol. Soc.*, 1983, **9**, 135 (*rev, props*)
Jefferson, A. *et al, Chem. Ind.* (*London*), 1986, 244 (*ms*)
Wang, Y. *et al, Acta Crystallogr., Sect. C*, 1986, **42**, 1420 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13330.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 477.

Tetraminol T-00150

1,2,3,4-Tetrahydro-3-[(2-hydroxyethyl)amino]-5,8-dimethoxy-2-naphthalenol, 9CI

[64831-69-2]



$C_{14}H_{21}NO_4$ M 267.324

Hypertensive agent.

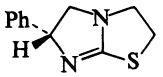
B,HCl: [64831-81-8]. *Trental.* Mp 239° dec.

Dantchev, D. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1977, **310**, 369 (*synth, pharmacol*)

Tetramisole, BAN, INN T-00151

2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-b]thiazole, 9CI, 8CI

[6649-23-6]



(R)-form

$C_{11}H_{12}N_2S$ M 204.289

Both the (*S*)- and (±)-forms are in widespread use.

▷NJ5935000.

(R)-form [14769-74-5]

Dexamisole, INN, USAN

Cryst. Mp 60-61.5°. $[\alpha]_D^{25}$ +85.1° (c, 10 in $CHCl_3$).

B,HCl: [16595-76-9]. *Dextramisole hydrochloride. R 12563.* Antidepressant, anthelmintic. Cryst. Mp 228-230°. $[\alpha]_D^{20}$ +125° (c, 0.7 in H_2O).

Oxalate: $[\alpha]_D^{20}$ +99° (c, 0.5 in H_2O).

(S)-form [14769-73-4]

Levamisole, BAN, INN

Anthelmintic, immunostimulant. Mp 60-61.5°. $[\alpha]_D^{25}$ −85.1° (c, 10 in $CHCl_3$).

B,HCl: [16595-80-5]. *Levamisole hydrochloride, USAN. Ketrax. Nilverm. Nemicide. Tramisol. Levotetramisole hydrochloride.* Mp 227-229°. $[\alpha]_D^{20}$ −124° (c, 0.9 in H_2O).

▷NJ5960000.

Oxalate: Mp 200-201.5°. $[\alpha]_D^{20}$ −103° (c, 0.5 in H_2O).

(±)-form [5036-02-2]

Anthelmintic. Cryst. Mp 87-89°.

B,HCl: [5086-74-8]. *Anthelvert. Spartakon. Tetramisole hydrochloride, USAN. Numerous proprietary names.* Cryst. Mp 264-265°.

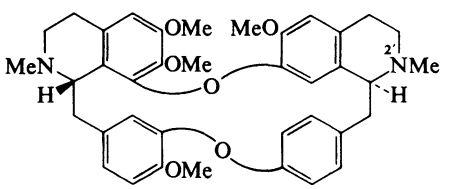
▷NJ5950000.

Monocyclamate: [24360-92-7]. *Other proprietary names.*

Thienpont, D. *et al, Nature* (*London*), 1966, **209**, 1084 (*synth*)
Raeymaekers, A.H.M. *et al, Tetrahedron Lett.*, 1967, 1467 (*resoln, abs config*)
Baklien, A. *et al, Aust. J. Chem.*, 1968, **21**, 1557 (*synth, bibl*)
Bullock, M.W. *et al, J. Med. Chem.*, 1968, **11**, 169 (*synth*)
Janssen, P.A.J., *Prog. Drug Res.*, 1976, **20**, 347 (*rev*)
Coles, G.C., *Pestic. Sci.*, 1977, **8**, 536 (*rev*)
Guerrero, J., *J. Am. Vet. Med. Assoc.*, 1980, **176**, 1163 (*rev, pharmacol*)
Amery, W.K. *et al, Immunol. Ser.*, 1984, **25**, 383 (*pharmacol*)
Acs, M. *et al, Tetrahedron*, 1985, **41**, 2465 (*resoln*)
Brienne, M.J. *et al, Bull. Soc. Chim. Fr.*, 1985, **5**, 876 (*props*)
Renoux, G., *Int. Encycl. Pharmacol. Ther.*, 1985, **115**, 393 (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1923, 1925.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 788, 814.

Tetrandrine T-00152

6,6',7,12-Tetramethoxy-2,2'-dimethylberbaman, 9CI



(+)-form

$C_{38}H_{42}N_2O_6$ M 622.760

(+)-***form*** [518-34-3]
Alkaloid from the roots of *Cocculus sarmentosus*, *Cyclea barbata*, *C. peltata*, *C. burmanni*, *Stephania hernandifolia*, *Triclisia subcordata* and *Isopyrum thalictroides*, and from the tubers of *S. tetrandra* (Menispermaceae). Shows hypotensive and vasodilator props., gives exptl. protection against myocardial infarction. Shows antitumour activity. Cytotoxic to KB cells, shows activity against walker 256 carcinosarcoma and Ehrlich ascites *in vivo*. Most effective antitumour agent of the bisbenzylisoquinoline alkaloids but a limited clinical trial was ineffective. Shows antiinflammatory and anaesthetic props. Needles (Et_2O). Mp 218° (215-217°). $[\alpha]_D^{21}$ +241.38° (c, 0.87 in $CHCl_3$), $[\alpha]_D^{24}$ +274° (c, 2.16 in $CHCl_3$).

▷Chronic administration causes liver necrosis. Lymphotoxin. XE9350000.

Isomorph: Menisine. Isol. from the Chinese drug "Mufang-chi" (*S. tetrandra*) (Menispermaceae). Mp 152°. $[\alpha]_D^{20}$ +290°. Transformed into Tetradrine on heating at 150° for 3 hr., and is almost certainly a metastable modification of it.

B,2MeI: Cryst. (MeOH). Mp 265-269°.

$N^{2'}$-*Oxide:* [62828-25-5]. ***Tetrandrine mono-N-2'-oxide.***
$C_{38}H_{42}N_2O_7$ M 638.759
Alkaloid from the Thai drug "Krung Kha Mao" (*Cyclea barbata*) (Menispermaceae). Mp 185-190°. $[\alpha]_D^{23}$ +198° ($CHCl_3$).

N-*Me:* ***Monomethyltetrandrinium.***
$C_{39}H_{45}N_2O_6^{\oplus}$ M 637.794 (ion)
Alkaloid from *C. barbata* (Menispermaceae). Site of monomethylation unknown.

N-*Me, chloride; B,HCl:* [53935-72-1]. Plates ($CHCl_3$/pet. ether). Mp 208°. $[\alpha]_D^{20}$ +51.5° (MeOH).

N^2-*Chloromethyl:* N^2-*Chloromethyltetrandrinium.*
$C_{39}H_{44}ClN_2O_6^{\oplus}$ M 672.239 (ion)
Artifact isol. from the roots of *C. peltata* (Menispermaceae).

N^2-*Chloromethyl, chloride:* [38769-09-4].
$C_{39}H_{44}Cl_2N_2O_6$ M 707.692
Needles + $3\frac{1}{2}H_2O(Me_2CO)$. Mp 213-217° dec. $[\alpha]_D^{25}$ +156° (c, 0.41 in $CHCl_3$).

N^2-*De-Me:* [19196-54-4]. ***2-Nortetrandrine.***
$C_{37}H_{40}N_2O_6$ M 608.733
Alkaloid from the seeds of *Ocotea* (*Nectandra*) *rodiaei* (Lauraceae). Rods (Me_2CO). Mp 222-226°. $[\alpha]_D^{24}$ +335° (c, 1.0 in $CHCl_3$).

N^2-*De-Me; B,2HClO₄:* Cryst. + $4H_2O$. Mp 252-253°.

N^2-*De-Me; dipicrate:* Mp 247-251°.

(−)-***form*** [1263-79-2]
Phaeanthine
Alkaloid from *Gyrocarpus americanus* (=*G. jacquini*), *Phaeanthus ebracteolatus*, an unidentified *P.* sp. (possibly *P. macropodus*), *T. patens*, *Pycnarrhena manillensis* and *P. novoguineensis* (Gyrocarpaceae, Annonaceae, Menispermaceae). Antitumour agent. Needles (Me_2CO or MeOH). Mp 222-224° (210°, 213-216°). $[\alpha]_D^{17}$ −284° (c, 4.015 in $CHCl_3$).

▷SF6850000.

Dipicrate: Mp 263° dec. (*in vacuo*).

B,2MeI: Mp 267-268° dec.

$N^{2'}$-*Oxide* (α-): ***Phaeanthine 2'α-N-oxide.***
$C_{38}H_{42}N_2O_7$ M 638.759
Alkaloid from roots and stems of *P. manillensis* (Menispermaceae). Needles (Me_2CO). Mp 193-195°. $[\alpha]_D^{27}$ −253° (c, 0.17 in $CHCl_3$).

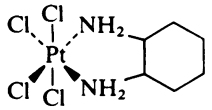
Di-N-*de-Me:* ***2,2'-Bisnorphaeanthine.***
$C_{36}H_{38}N_2O_6$ M 594.706
Alkaloid from *Albertisia* cf. *A. papuana* (Menispermaceae). $[\alpha]_D$ −272° (c, 0.1 in CHO_3).

(±)-***form*** [23495-89-8]
Alkaloid from the roots of *C. peltata*, *C. barbata*, *S. hernandifolia* and *I. thalictroides* (Menispermaceae, Ranunculaceae). Needles (EtOH or $CHCl_3$/MeOH). Mp 257-258° (252-253°).

Santos, A.C., *CA*, 1932, **26**, 729 (*isol*)
McKenzie, A.W. *et al*, *Aust. J. Chem.*, 1953, **6**, 180 (*isol*)
Kidd, D.A.A. *et al*, *J. Chem. Soc.*, 1954, 669 (*struct*)
Tomita, M. *et al*, *Pharm. Bull.*, 1954, **2**, 372 (*struct*)
Chaudhry, G.R. *et al*, *J. Sci. Ind. Res.* (*India*), Sect. B, 1958, **17**, 163; *CA*, **52**, 20454i (*isol*)
v. Bruchhausen, F. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1960, **293**, 454; *CA*, **54**, 21655b (*isol*)
Bick, I.R.C. *et al*, *J. Chem. Soc.*, 1961, 1896 (*pmr*)
Kupchan, S.M. *et al*, *J. Pharm. Sci.*, 1961, **50**, 164, 819 (*isol, Menisine*)
Row, L.R. *et al*, *J. Sci. Ind. Res.* (*India*), Sect. B, 1962, **21**, 581 (*isol, synth*)
Boissier, J.R. *et al*, *Ann. Pharm. Fr.*, 1963, **21**, 767; *CA*, **60**, 6701d (*isol*)
Tomita, M. *et al*, *Yakugaku Zasshi*, 1963, **83**, 190; *CA*, **59**, 3971h (*isol*)
Battersby, A.R. *et al*, *J. Chem. Soc.*, 1965, 2239 (*uv, ord*)
Chan, K.C. *et al*, *J. Chem. Soc.* (*C*), 1967, 2479 (*ord, pmr, ms, Nortetrandrine*)
Tomita, M. *et al*, *Yakugaku Zasshi*, 1967, **87**, 316; *CA*, **67**, 32855g (*isol*)
Johns, S.R. *et al*, *Aust. J. Chem.*, 1968, **21**, 1387 (*isol*)
Baldas, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 592 (*ms*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1973, **38**, 1846 (*isol*)
Tackie, A.N. *et al*, *Lloydia*, 1974, **37**, 1 (*isol, uv, ir, pmr, ms*)
Hoffstadt, B. *et al*, *Tetrahedron*, 1974, **30**, 307 (*Monomethyltetrandrinium*)
Yupraphat, T. *et al*, *Planta Med.*, 1974, **25**, 315 (*isol*)
Dwuma-Badu, D. *et al*, *Phytochemistry*, 1975, **14**, 2524 (*isol, uv, ir, pmr, ms*)
Dahmen, K. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1977, **310**, 95 (*Tetrandrine mono-N-2'-oxide*)
Verpoorte, R. *et al*, *Planta Med.*, 1978, **34**, 274 (*isol*)
Koike, L. *et al*, *Tetrahedron Lett.*, 1979, 3765 (*cmr*)
Bhakuni, D.S. *et al*, *Phytochemistry*, 1980, **19**, 2347 (*biosynth*)
Moulis, C., *J. Nat. Prod.*, 1981, **44**, 101 (*isol, uv, ir, pmr, ms*)
Suffness, M. *et al*, *Alkaloids* (*N.Y.*), 1985, **25**, 165 (*rev, pharmacol*)
Fang, D. *et al*, *Chin. Med. J.*, 1986, **99**, 638; *CA*, **106**, 43950j (*pharmacol*)
Lavault, M. *et al*, *Can. J. Chem.*, 1987, **65**, 343 (*Bisnorphaeanthine*)
Regalado, J.C. *et al*, *Heterocycles*, 1987, **26**, 2573 (*Phaeanthine 2'-oxide*)

Tetraplatin T-00153

Tetrachloro(1,2-cyclohexanediamine-N,N')platinum
[62816-98-2]



$C_6H_{14}Cl_4N_2Pt$ M 451.082
Antineoplastic agent.

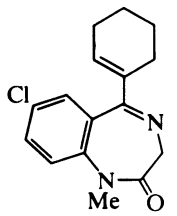
▷TP2282000.

Schwartz, P. *et al*, *Cancer Treat Rep.*, 1977, **61**, 1519 (*synth*)
Gale, G.R. *et al*, *Bioorg. Chem.*, 1978, **8**, 495 (*pharmacol*)
Anderson, W.K. *et al*, *Cancer Treat Rep.*, 1986, **70**, 997 (*synth, isom*)

Tetrazepam, INN **T-00154**

7-Chloro-5-(cyclohexen-1-yl)-1,3-dihydro-1-methyl-2H-1,4-benzodiazepin-2-one, 9CI. *CB 4261. Clinoran. Musaril. Myolastan. Tetrahydrodiazepam*

[10379-14-3]



$C_{16}H_{17}ClN_2O$ M 288.776

Tranquilliser, muscle relaxant. Yellow-brown cryst. (EtOAc). Mp 144°.

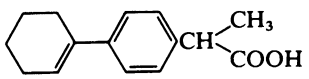
▷DF0525000.

Schmitt, J. *et al, Chim. Ther.*, 1967, **2**, 254 (*synth, pharmacol*)
Lafargue, P. *et al, J. Chromatogr.*, 1971, **62**, 423 (*tlc*)
Levillain, P. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 433 (*uv*)
Gonnet, C. *et al, J. Chromatogr.*, 1976, **120**, 419 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13314.

Tetriprofen, INN **T-00155**

4-(1-Cyclohexen-1-yl)-α-methylbenzeneacetic acid, 9CI. *p-1-Cyclohexen-1-ylhydratropic acid,* 8CI. *2-[4-(1-Cyclohexenyl)phenyl]propanoic acid*

[28168-10-7]



$C_{15}H_{18}O_2$ M 230.306

(+)-*form* [28268-43-1]

Mp 101-102°. $[\alpha]_D^{20}$ +53° (c, 1.0 in EtOH).

(−)-*form* [28268-44-2]

Mp 101-102°. $[\alpha]_D^{20}$ −53°.

(±)-*form*

Antiinflammatory, analgesic agent. Cryst. (Et_2O/pet. ether). Mp 106-108°.

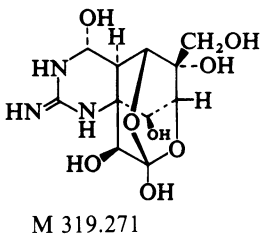
Na salt: [51047-93-9]. *47-210.*

Ger. Pat., 1 950 054, (*1970*); *CA*, **73**, 14500g (*synth, pharmacol*)

Tetrodotoxin **T-00156**

Tarichatoxin. Spheroidine. Tetrodontoxin. Fugu poison. Maculotoxin

[4368-28-9]



$C_{11}H_{17}N_3O_8$ M 319.271

Potent neurotoxin isol. from the ovaries and liver of Japanese puffer fish (*Sphoeroides rubripes, S. vermicularis, S. phyreus*) skin of Californian newt (*Taricha torosa*) from the Japanese ivory shell (*Babylonia japonica*) and *Tritus ensicauda* and believed to be a metabolic product of a *Pseudomonas* sp. Highly potent toxin acting by Na channel blocking in nerve membranes. Of practical significance as a source of accidental poisoning in Japan. Used in neurophysiological research. Toxic to mammals, birds, reptiles, amphibians and fish. Cryst. $[\alpha]_D^{25}$ −8.64° (c, 8.55 in AcOH aq.). pK_a 8.76. Darkens at 225° but does not melt.

▷Extremely toxic, LD_{50} ~10-15 mg/kg. IO1450000.

B,HBr: Prisms (EtOH aq.). No definite Mp.

Picrate: Yellow needles + $1H_2O$ (H_2O). Darkens >200° without melting.

Penta-Ac: Mp 205.5-207°.

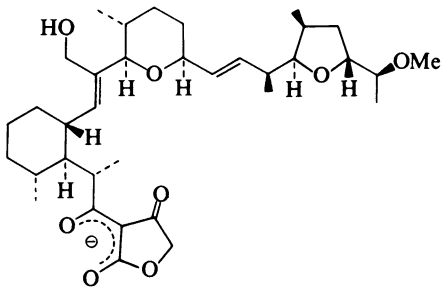
Hepta-Ac: Mp 188.5-191.5°. $[\alpha]_D^{30}$ +15.8° (c, 0.39 in $CHCl_3$).

Yakoo, A. *et al, J. Chem. Soc. Jpn.*, 1950, **71**, 590 (*isol*)
Tomiie, Y. *et al, Tetrahedron Lett.*, 1963, 2101 (*struct*)
Woodward, R.B., *Pure Appl. Chem.*, 1964, **9**, 49 (*struct*)
Goto, T. *et al, Tetrahedron*, 1965, **21**, 2059 (*isol, ir, pmr, struct*)
Tsuda, K., *Naturwissenschaften*, 1966, **53**, 171 (*rev*)
Furusaki, A. *et al, Bull. Chem. Soc. Jpn.*, 1970, **43**, 3332 (*cryst struct*)
U.S.P., 3 966 934, (*1971*); *CA*, **85**, 87545 (*use*)
Kishi, Y. *et al, J. Am. Chem. Soc.*, 1972, **94**, 9219 (*synth*)
Yasumoto, T. *et al, Agric. Biol. Chem.*, 1986, **50**, 793 (*isol*)

Tetronasin, BAN **T-00157**

Antibiotic M 139603. ICI 139603. M 139603

[75139-06-9]



$C_{35}H_{54}O_8$ M 602.807

Polyether antibiotic. Isol. from *Streptomyces longisporoflavus*. Active against gram-positive bacteria and *Eimeria tenella*.

Na salt: [75139-05-8]. *Tetronasin sodium,* BAN. Cryst. Mp 176-178°. $[\alpha]_D^{23}$ −82° (c, 0.2 in MeOH).

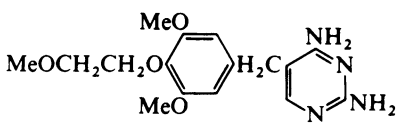
K salt: [75139-07-0]. Mp 146-150°.

B.P., 2 027 013, (*1980*); *CA*, **93**, 184292 (*isol, props*)
Davies, D.H. *et al, J. Chem. Soc., Chem. Commun.*, 1981, 1073 (*cryst struct*)
Eur. Pat., 70 622, (*1983*); *CA*, **99**, 158138 (*derivs*)
Grandjean, J. *et al, Tetrahedron Lett.*, 1983, 3319 (*conformn*)
Doherty, A.M. *et al, Tetrahedron*, 1986, **27**, 105.
Newbold, J.C. *et al, Appl. Environ. Microbiol.*, 1988, **54**, 544 (*pharmacol*)

Tetroxoprim, BAN, INN, USAN **T-00158**

5-[[3,5-Dimethoxy-4-(2-methoxyethoxy)phenyl]-methyl]-2,4-pyrimidinediamine, 9CI. *B.W. 32U. He 781*

[53808-87-0]



$C_{16}H_{22}N_4O_4$ M 334.374

Antibacterial, dihydrofolate blocking agent. Cryst. (H_2O). Mp 153-156°, Mp 160-161°. Component of Cotetroxazine.

▷UV8190000.

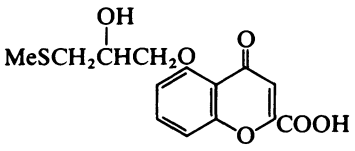
Fr. Pat., 2 221 147, (*1974*); *CA*, **82**, 156363z (*synth, pharmacol*)
Vergin, H. *et al, J. Antimicrob. Chemother.*, 1979, **5**, 103, 119 (*metab, pharmacol*)

Hahn, H. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 1047 (*pharmacol*)
Roth, B. *et al*, *J. Med. Chem.*, 1981, **24**, 933 (*synth*)
Vergin, H., *Eur. J. Drug Metab. Pharmacokinet.*, 1982, **7**, 197 (*rev*)
Sigel, C., *Handb. Exp. Pharmacol.*, 1983, **64**, 163, 185 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13315.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4100.

Texacromil, INN T-00159

5-[2-Hydroxy-3-(methylthio)propoxy]-4-oxo-4H-1-benzopyran-2-carboxylic acid, 9CI. CM 57202

[77005-28-8]



$C_{14}H_{14}O_6S$ M 310.321

(±)-form

Antiallergic agent. Mp 76-79° (as dihydrate).

Eur. Pat., 17 578, (*1980*); *CA*, **94**, 139622p (*synth, pharmacol*)

Thallous chloride T-00160

[7791-12-0]

TlCl

ClTl M 239.836

White cryst. powder. Mp 430°. Bp 720°. ^{201}Tl labelled cpd. used as a radioactive agent and diagnostic aid.

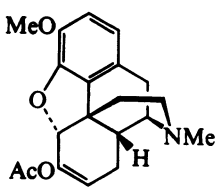
▷Poisonous. XG4200000.

Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Edn., 1975-1981, 876 (*synth*)
Ritchie, J.L. *et al* (*Eds.*), *Thallium-201 Myocardial Imaging*, Raven Press, N.Y., 1978, 9
Med. Lett., 1979, **21**, 49 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5879.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3239.

Thebacon, BAN, INN T-00161

6,7-Didehydro-4,5α-epoxy-3-methoxy-17-methylmorphinan-6-ol acetate, 9CI. Demethyldihydrothebaine acetate, 8CI. 7,8-Dihydrocodeinone enol acetate. Acetyldihydrocodeinone

[466-90-0]



$C_{20}H_{23}NO_4$ M 341.406

Narcotic analgesic, antitussive. Needles (MeOH). Mp 154°.

▷QD0955000.

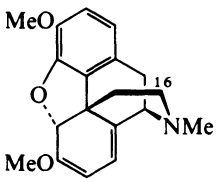
B,HCl: Acedicon. Sol. H_2O. Mp 132-135° dec.

Small, L. *et al*, *J. Org. Chem.*, 1938, **3**, 204 (*synth*)
Szegi, J. *et al*, *Acta Physiol. Acad. Sci. Hung.*, 1959, **16**, 325 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6261.

Thebaine T-00162

6,7,8,14-Tetradehydro-4,5-epoxy-3,6-dimethoxy-17-methylmorphinan, 9CI. Codeinone methyl enol ether. Paramorphine

[115-37-7]



(−)-*form*
Absolute configuration

$C_{19}H_{21}NO_3$ M 311.380

▷QD2975000.

(+)-form [23979-17-1]

Prisms (Et_2O). Mp 190-192°.

(−)-form

Alkaloid from *Papaver* spp., esp. *P. bracteatum*; minor constit. of opium (Papaveraceae). Narcotic showing higher narcotic activity but weaker analgesic activity than morphine. More toxic than morphine. Causes histamine release from tissues. Cholinesterase inhibitor. Rectangular plates (EtOH); needles by subl.; also obt. in cubes and prisms. Sol. C_6H_6, $CHCl_3$, v. spar. sol. pet. ether. Mp 192.5°. $[\alpha]_D^{16}$ −221° (c, 0.35 in MeOH).

▷V. poisonous

N-Oxide: ***Thebaine* N-*oxide***.
$C_{19}H_{21}NO_4$ M 327.379
Alkaloid from *P. bracteatum* (Papaveraceae).

16-Hydroxy: [34388-67-5]. ***16-Hydroxythebaine***.
$C_{19}H_{21}NO_4$ M 327.379
Constit. of opium. Pale-yellow prisms (Me_2CO/pet. ether). Mp 126-128°.

N-Me: ***Thebaine* N-*metho salt***.
$C_{20}H_{24}NO_3^{\oplus}$ M 326.415 (ion)
Alkaloid from *P. bracteatum* (Papaveraceae). Needles (Me_2CO aq.) (as chloride). Mp 188-190° (chloride). $[\alpha]_D^{20}$ −125.8° (c, 0.81 in MeOH).

(±)-form

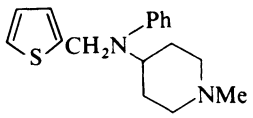
Prisms (MeOH/Et_2O). Mp 184-186°.

Bentley, K.W., *Chemistry of the Morphine Alkaloids*, 1954, Oxford Univ. Press, 184 (*isol, props*)
Brochmann-Hanssen, E. *et al*, *J. Pharm. Sci.*, 1964, **53**, 1549 (*glc, tlc*)
Okuda, S. *et al*, *Chem. Pharm. Bull.*, 1964, **12**, 104 (*pmr*)
Barton, D.H.R. *et al*, *J. Chem. Soc.*, 1965, 2423 (*biosynth*)
Rapoport, H. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 1942 (*synth*)
Wheeler, D.M.S. *et al*, *J. Am. Chem. Soc.*, 1967, **89**, 4494 (*ms*)
Kametani, T. *et al*, *J. Chem. Soc.* (*C*), 1969, 2030 (*synth, uv, ord, cd*)
Brochmann-Hanssen, E. *et al*, *J. Org. Chem.*, 1972, **37**, 1881 (*16-Hydroxythebaine*)
Barber, R.B. *et al*, *J. Med. Chem.*, 1975, **18**, 1074 (*synth*)
Terui, Y. *et al*, *Tetrahedron Lett.*, 1975, 2853 (*cmr*)
Phillipson, J.D. *et al*, *Phytochemistry*, 1976, **15**, 1297 (*oxide*)
Weller, D.D. *et al*, *J. Med. Chem.*, 1976, **19**, 1171 (*synth*)
Rönsch, H. *et al*, *Phytochemistry*, 1979, **18**, 1089 (*N-Metho salt*)
Theuns, H.G. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1984, 1701 (*oxide*)
Rice, K.C., *Chem. Biol. Isoquinoline Alkaloids*, 1985, 191 (*rev, synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2558.

Thenalidine, BAN, INN **T-00163**

1-Methyl-N-phenyl-N-(2-thienylmethyl)-4-piperidinamine, 9CI. 1-Methyl-4-(N-2-thenylanilino)piperidine, 8CI. Thenaldine

[86-12-4]



$C_{17}H_{22}N_2S$ M 286.434

Antihistaminic; antipruritic, used as tartrate. Mp 95-97°. $Bp_{0.02}$ 158-160°.

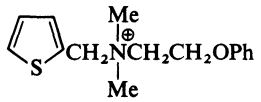
▷TN1400000.

Tartrate: [2784-55-6]. *Sandosten. AS 716. Thenalidine tartrate. Thenophenopiperidine tartrate. Theno-piperidine tartrate.* Mp 170-172°.

U.S.P., 2 757 175, (*1956*); *CA*, **51**, 2055g (*synth*)
Agarwal, S.L. *et al*, *Arch. Int. Pharmacodyn.*, 1963, **143**, 401 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6164.

Thenium(1+) **T-00164**

N,N-Dimethyl-N-(2-phenoxyethyl)-2-thiophene methanaminium(1+), 9CI. Dimethyl(2-phenoxyethyl)-2-thenylammonium(1+)



$C_{15}H_{20}NOS^{\oplus}$ M 262.389 (ion)

Veterinary anthelmintic.

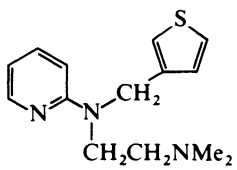
4-Chlorobenzenesulfonate: [4304-40-9]. *Thenium closylate, BAN, USAN. Ancaris. Bancaris. Canopar. 611C55. NSC 106569.*
$C_{21}H_{24}ClNO_4S_2$ M 453.998
Mp 159-160°.

B.P., 864 885, (*1961*); *CA*, **55**, 24792a (*synth*)
Burrows, R.B. *et al*, *Am. J. Vet. Res.*, 1962, **23**, 77.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 815.

Thenyldiamine, BAN, INN **T-00165**

N,N-Dimethyl-N′-2-pyridinyl-N′-(3-thienylmethyl)-1,2-ethanediamine, 9CI. 2-[[2-(Dimethylamino)ethyl]-3-thenylamino]pyridine, 8CI. N′,N′-Dimethyl-N-2-pyridyl-N-3-thenylethylenediamine. Thenfadil. Tenfidil. Dethylandiamine. Thenfanil. Win 2848

[91-79-2]



$C_{14}H_{19}N_3S$ M 261.384

Antihistaminic agent. Bp_1 169-172°.

▷UT1575000.

B,HCl: [958-93-0]. Mp 169.5-170°.

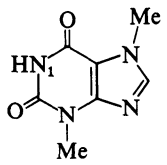
▷UT1925000.

Campaigne, E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 333 (*synth*)
Lands, A.M. *et al*, *J. Pharmacol. Exp. Ther.*, 1949, **95**, 45 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6165.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1119, 2558.

Theobromine **T-00166**

3,7-Dihydro-3,7-dimethyl-1H-purine-2,6-dione, 9CI. 3,7-Dimethylxanthine. Diurobromine. Santheose. Thesal. Other synonyms

[83-67-0]



$C_7H_8N_4O_2$ M 180.166

Constit. of tea leaves (*Camellia thea*), *Theobroma cacao* (cocoa), *Cola acuminata*, *Paullinia cupana* and some *Ilex* spp. (Theaceae, Sterculiaceae, Sapindaceae, Aquifoliaceae). Diuretic, cardiac stimulant, arterial dilator. Mp 351° (subl. 290°).

▷Highly toxic orally. XH2275000.

B,HClO₄: Mp 271-273° dec.

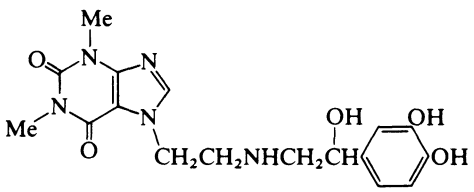
1-Hexyl: [1028-33-7]. ***Pentifylline, BAN, INN***. *Cosaldon. Hexyltheobromine. SK 7.*
$C_{13}H_{20}N_4O_2$ M 264.327
Stabiliser for vitamin preparations, vasodilator, diuretic. Mp 82-83°.

Blout, E.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 479 (*ir*)
Lockhart, E.L. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 5328 (*uv*)
Spiteller, G. *et al*, *Monatsh. Chem.*, 1962, **93**, 632 (*ms*)
Twanmoh, L.-M. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 187 (*pmr*)
Nicolau, C. *et al*, *Z. Naturforsch., C*, 1974, **29**, 475 (*cmr*)
Bergmann, F. *et al*, *J. Org. Chem.*, 1977, **42**, 2470 (*synth*)
Royer, R.F. *et al*, *Actual Pharm.*, 1982, **191**, 36 (*rev, pharmacol*)
Ueda, T. *et al*, *Heterocycles*, 1982, **19**, 2291 (*synth*)
Tarka, S.M. *et al*, *Prog. Clin. Biol. Res.*, 1984, **158**, 9 (*props, isoln, biosynth*)
Shively, C.A. *et al*, *Toxicol. Appl. Pharmacol.*, 1986, **84**, 593 (*metabol, toxicol, rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 688 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 643.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1026.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2559.

Theodrenaline, BAN, INN **T-00167**

7-[2-[[2-(3,4-Dihydroxyphenyl)-2-hydroxyethyl]-amino]ethyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-[2-(β,3,4-Trihydroxyphenethylamino)-ethyl]theophylline, 8CI. D470. H8352. NAT

[13460-98-5]



$C_{17}H_{21}N_5O_5$ M 375.383

Component of Akrinor.

▷XH5098600.

(R)-form [16232-87-4]

Analeptic agent. Mp 188.5-189°. $[\alpha]_D^{20}$ −17.0°.

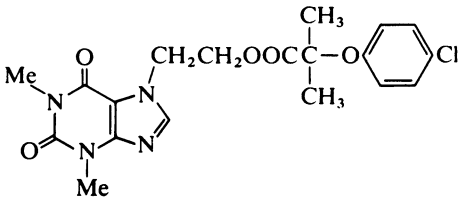
B,HCl: [62961-55-1]. Mp 189°.

Ger. Pat., 1 119 863, (*1961*); *CA*, 1962, **57**, 840e (*synth, pharmacol, salt*)
Schlepper, M. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 841 (*pharmacol*)
Belg. Pat., 630 124, (*1963*); *CA*, 1964, **60**, 13250h (*synth, pharmacol*)
Schunack, W. *et al*, *Deut. Apotheker-Ztg.*, 1965, **105**, 1551 (*tlc*)
Klingler, K.H. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 4 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13321.

Theofibrate, USAN **T-00168**

2-(4-Chlorophenoxy)-2-methylpropanoic acid 2-(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-yl)ethyl ester, *9CI. 2-(1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purin-7-yl)ethyl 2-(4-chlorophenoxy)-2-methylpropanoate. 2-(p-Chlorophenoxy)-2-methylpropionic acid ester with 7-(2-hydroxyethyl)-theophylline. ML 1024.* ***Etofylline clofibrate, INN***

[54504-70-0]



$C_{19}H_{21}ClN_4O_5$ M 420.852

Antihyperlipoproteinaemic agent. Cryst. Mp 133-135°.

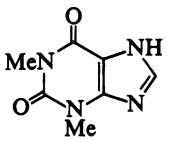
▷UE9516500.

Metz, G. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 1686 (*synth, pharmacol*)
Metz, G. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1173 (*pharmacol, tox, pmr, ir*)

Theophylline, BAN, USAN **T-00169**

3,7-Dihydro-1,3-dimethyl-1H-purine-2,6-dione, *9CI. 1,3-Dimethylxanthine. Theocin. Numerous proprietary names*

[58-55-9]



$C_7H_8N_4O_2$ M 180.166

Constit. of tea leaves (*Camellia thea*), *Ilex paraguairensis* and *Paullinia cupana* (Theaceae, Aquifoliaceae, Sapindaceae). Smooth muscle relaxant of value in the treatment of bronchial conditions. Synergises the antileukaemic activity of nitrosoureas. Diuretic and cardiac stimulant. Mp 268° (264°).

▷Highly toxic orally, exp. teratogen. XH3850000.

Compd. with 2-Aminoethanol (1:1): [573-41-1]. ***Theopylline olamine***. *Monotheamin. Theamin. Other proprietary names.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator.

▷XH3880000.

Compd. with 6-Amino-2-methyl-2-heptanol (1:1): [22540-11-0]. ***Theophylline heptaminol***. *Theosintol.* Cardiac stimulant.

Compd. with 2-Amino-2-methyl-1-propanol (1:1): [5634-34-4]. ***Ambuphylline, USAN***. *Bufylline, BAN. Butaphyllamine. Buthoid.* Cardiac stimulant, antiasthmatic. Cryst. Mp 254-256°. Component of Nethaphyl.

▷XH4375000.

Compd. with 1-Amino-2-propanol (1:1): [5600-19-1]. ***Theophylline isopropanolamine***. *Oxyphyllin. Theopropanol.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator. Prisms (EtOH).

Compd. with Ethylenediamine (2:1): [317-34-0]. ***Aminophylline, BAN, USAN, INN***. *Theophylline ethylenediamine. Tefamin. Phyllocontin. Numerous proprietary names.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator. Cryst. + $2H_2O$. Component of Amesa.

▷XH5600000.

Compd. with sodium glycinate: [8000-10-0]. ***Theophylline sodium glycinate, USAN***. *Pemophyllin.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator. Darkens at 180°. Component of Asbron G.

Compd. with calcium salicylate: [37287-41-5]. ***Theophylline calcium salicylate***. Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator. Powder.

Compd. with ephedrine: [15766-94-6]. ***Theophylline ephedrine, INN***. Cardiac stimulant.

Compd. with 3,4-Dihydroxyephedrine: [8059-09-4]. ***Theophylline dihydroxyephedrine***. *Ampliphylline.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator.

Compd. with 2,2'-Iminodiethanol (1:1): [32156-80-2]. ***Theophylline diethanolamine***. *Adisne. Alkaphyllin. Deriphyllin. Oxyphyllin.* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator. Powder.

Compd. with N-Methylglucamine: [28384-81-8]. ***Theophylline meglumine***. *Abbofilina. Glucofillina. Glucophyllin. Tevaphyllin-Amp..* Diuretic, cardiac stimulant, smooth muscle relaxant and vasodilator.

Compd. with 3-Pyridinecarboxamide (1:1): [42581-41-9]. ***Theophylline nicotinamide***. *Anaphylline.* Respiratory stimulant.

▷XH6200000.

Compd. with L-Lysine: [83920-54-1]. ***Theophylline lysine***. *Labophylline.* Bronchodilator.

Compd. with Piperazine: [8056-63-1]. ***Theophylline piperazine***. *Piperophyllin. Teofizina.* Cardiac stimulant and antihypertensive.

Compd. with 3-(2-methoxyphenoxy)-1,2-propanediol (1:1): [5634-38-8]. ***Guaithylline, USAN***. *Guaifylline, INN. Eclabron.* Bronchodilator, expectorant.

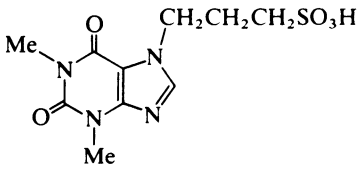
U.S.P., 2 404 319, (*1946*); *CA*, **40**, 6214 (*Ambuphylline*)
Blout, E.R. *et al*, *J. Am. Chem. Soc.*, 1950, **72**, 479 (*ir*)
Spiteller, G. *et al*, *Monatsh. Chem.*, 1962, **93**, 632 (*ms*)
B.P., 1 136 667, (*1968*); *CA*, **70**, 71063 (*Heptaminol*)
Twanmoh, L.-M. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 187 (*pmr*)
Nicolau, C. *et al*, *Z. Naturforsch., C*, 1974, **29**, 475 (*cmr*)
Takayama, S. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1200 (*synth, uv*)
Cohen, J.L., *Anal. Profiles Drug Subst.*, 1975, **4**, 466 (*rev, ir, pmr, uv, ms, anal*)
Goeber, B. *et al*, *Pharmazie*, 1978, **33**, 717 (*ms*)
Naqvi, A.A. *et al*, *J. Appl. Crystallogr.*, 1981, **14**, 464 (*cryst struct*)
B.P., 2 094 142, (*1982*); *CA*, **98**, 8176 (*Lysine salt*)
Nishijo, J. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 391 (*salts*)
Thakker, K.D. *et al*, *Anal. Profiles Drug Subst.*, 1982, **11**, 1 (*rev, Aminophylline*)
Bukowsky, M. *et al*, *Ann. Intern. Med.*, 1984, **101**, 63 (*rev, pharmacol*)
Weinberger, M., *J. Allerg. Clin. Immunol.*, 1984, **73**, 525 (*rev, pharmacol, tox*)
Grant, J.A. *et al*, Eds., *J. Allergy Clin. Immunol.*, 1986, **78**, (*4, Part 2*) (*book*)
Rowe, D.J.F. *et al*, *Ann. Clin. Biochem.*, 1988, **25**, 4 (*rev, pharmacol, tox, metab*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 687 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 648, 649, 650, 651, 652.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1026.

3-(7-Theophyllinyl)propanesulfonic acid T-00170

1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7H-purine-7-propanesulfonic acid, *9CI*. ***Teprosilic acid***

[1672-28-2]



$C_{10}H_{14}N_4O_5S$ M 302.304

Vasodilator. Cryst. (H_2O). Mp 35-60° dec.

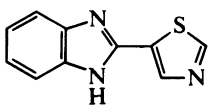
Compd. with Vincamine (1:1): [51179-28-3]. *Vincamine teprosilate. Teproside.* Cerebrotonic. Vasodilator.

Fr. Pat., M 3 202, (*1965*); *CA*, **63**, 16139 (*synth*)
Ger. Pat., 2 234 329, (*1973*); *CA*, 18933 (*salt*)
Kondo, K. *et al*, *Synth. Commun.*, 1980, **10**, 267 (*synth*)

Thiabendazole, BAN, USAN T-00171

2-(4-Thiazoyl)-1H-benzimidazole, *9CI*. *Mintezol. Thiprazole. Equizole.* ***Tiabendazole, INN***. *Numerous synonyms*

[148-79-8]



$C_{10}H_7N_3S$ M 201.245

Anthelmintic, fungicide, freq. for vet. use. Mp 304-305°. Component of Ranizole.

▷Shows teratogenic activity in mice. DE0700000.

1-Benzoyl: Mp 147°.

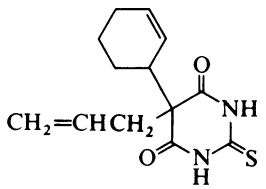
1-N-Me: [32594-70-0]. Mp 139-140°.

Brown, H.D. *et al*, *J. Am. Chem. Soc.*, 1961, **83**, 1764 (*synth*)
Trus, B.L. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 2298 (*cryst struct*)
Kapoor, V.K. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 611 (*pharmacol*)
Tsuchiya, T. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 2985 (*metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 816.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1403.

Thialbarbitone, BAN T-00172

5-(2-Cyclohex-1-yl)dihydro-5-(2-propenyl)-2-thioxo-4,6-(1H, 5H) pyrimidinedione, *9CI*. ***Thialbarbital, INN***. *5-Allyl-5-(2'-cyclohexenyl)-2-thiobarbituric acid*

[467-36-7]



$C_{13}H_{16}N_2O_2S$ M 264.342

Intravenous, rapidly-acting anaesthetic. Mp 148-150°.

▷CP8400000.

Na salt: [3546-29-0]. *Kemithal. Intranarcon. Thialpenton.* Pale yellow cryst. or amorph. powder (MeOH). V. sol. H_2O, EtOH, prac. insol. Et_2O. Mp 124-140° and 142°. Hygroscopic.

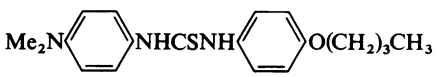
▷CP8400300.

B.P., 510 543, (*1939*); *CA*, **34**, 5094 (*synth*)
Carrington, H.C. *et al*, *Br. J. Pharmacol.*, 1946, **1**, 215 (*pharmacol*)
Dundee, J.W., *CA*, 1976, **84**, 159 518 (*use*)
Poupaert, J. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1258 (*ir*)
Jones, L.V. *et al*, *Biomed. Mass Spectrom.*, 1981, **8**, 231 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3123.

Thiambutosine, BAN, INN T-00173

N-(*4-Butoxyphenyl*)-N'-[*4-(dimethylamino)phenyl*]-*thiourea*, *9CI*. *4-Butoxy-4'-(dimethylamino)-thiocarbanilide*, *8CI*. *Ciba 1906. Su 1906*

[500-89-0]



$C_{19}H_{25}N_3OS$ M 343.486

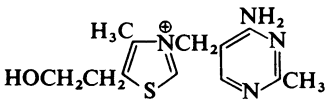
Antileprotic, antitubercular agent. Mp 119-121°.

▷FE0176000.

Huebner, C.F. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 2274 (*synth*)
Mayer, R.L. *et al*, *Intern. J. Leprosy*, 1959, **27**, 8 (*pharmacol*)
Smith, R.L. *et al*, *J. Med. Chem.*, 1961, **4**, 147 (*uv*)
Ellard, G.A., *Leprosy Rev.*, 1966, **37**, 17 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6563.

Thiamine, INN T-00174

3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methylthiazolium, *9CI*, *8CI*. *Vitamin* B_1. *Torulin. Oryzanin. Aneurine. Numerous proprietary names*



$C_{12}H_{17}N_4OS^{\oplus}$ M 265.353 (ion)

Ubiquitous constit. of biol. materials. Produced by numerous bacterial spp. Essential vitamin. pK_a 5.17. Thermolabile, readily dec. by alkalis.

▷XI6550000.

Chloride: [59-43-8]. *Thiamine monochloride.*
$C_{12}H_{17}ClN_4OS$ M 300.806

Cryst. + $1H_2O$ (H_2O). Mp 120-122° dec., 163-165° dec. (anhyd.). Infrequently encountered, hydrochloride more stable.

▷XI6550000.

Chloride; B,HCl: [67-03-8]. *Bewon. Vinothiam. Betaxin. Betalin* S.

$C_{12}H_{18}Cl_2N_4OS$ M 337.266

Clinically used vitamin source. Plates or cryst. (EtOH). V. sol. H_2O, spar. sol. EtOH, insol. Et_2O, C_6H_6. Mp 246-247° approx. Mp is not a good criterion of purity.

▷XI7350000.

Nitrate:

$C_{12}H_{17}N_5O_4S$ M 327.357

Clinically used vitamin source. Mp 164-165°, Mp 196-200°.

O-*Phosphate, chloride:* [532-90-1]. *Monophosphothiamine chloride.*

$C_{12}H_{18}ClN_4O_4PS$ M 380.785

Vitamin B_1 deriv. used clinically. Mp ca. 200°.

O,S-*Bisethoxycarbonyl:* [137-76-8]. *Carbonic acid 4-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]-formylamino]-3-[(ethoxycarbonyl)thio]-3-pentenyl ethyl ester, 9CI.* ***Cetotiamine, INN.***

$C_{18}H_{26}N_4O_6S$ M 426.487

Analgesic. Prisms (EtOAc/pet. ether). Mp 113.5-114.5°.

O,S-*Bisethoxycarbonyl; B,HCl:* [616-96-6]. *Cetotiamine hydrochloride, JAN. DCET. Dicetamin. Dicethiamine hydrochloride.* Cryst. (EtOAc). Mp ~ 120°.

O-*Butyryl disulfide:* [18481-23-7]. *Beston. Bisbutiamine. Bisbutythiamine.*

$C_{32}H_{46}N_8O_6S_2$ M 702.885

Vitamin B_1 deriv. Analgesic.

O-*Isobutyryl disulfide:* [3286-46-2]. *Arcalion. Bisibutiamine, JAN. Nazatonin* S. *Neodaian. SE 5007.* ***Sulbutiamine, INN.*** *Vitaberin.*

$C_{32}H_{46}N_8O_6S_2$ M 702.885

Vitamin B_1 deriv. Analgesic, cerebrotonic.

Tetrahydrofurfuryl disulfide: see Fursultiamine, F-00299

▷*LQ0750000.*

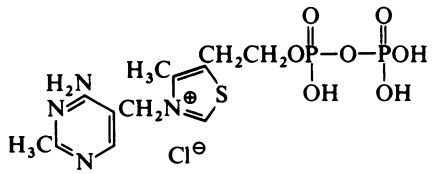
Propyl disulfide: see Thiamine propyl disulfide, T-00177

Todd, A.R. *et al, J. Chem. Soc.*, 1937, 364; 1938, 26 (*synth*)
Karrer, P. *et al, Helv. Chim. Acta*, 1946, **29**, 711 (*phosphate*)
Lenormant, H. *et al, Bull. Soc. Chim. Fr.*, 1954, 375 (*ir, uv*)
Takamizawa, A. *et al, Chem. Pharm. Bull.*, 1962, **10**, 1102 (*Cetotiamine, synth, pharmacol*)
Kotera, K., *Chem. Pharm. Bull.*, 1965, **13**, 440 (*pmr*)
Hesse, M. *et al, Helv. Chim. Acta*, 1967, **50**, 808 (*ms*)
Linnett, P.E. *et al, J. Chem. Soc. (C)*, 1967, 796 (*biosynth*)
Pletcher, J. *et al, Acta Crystallogr., Sect. B*, 1972, **28**, 2928 (*cryst struct*)
Gallo, A.A., *J. Biol. Chem.*, 1974, **249**, 1382 (*cmr*)
Thiamine, Proc. Pap. Discuss. U.S.-Jpn. Semin., 2nd, 1974, 1976, Wiley, N.Y. (*book*)
Brown, G.M. *et al, Adv. Enzymol. Relat. Areas Mol. Biol.*, 1982, **53**, 345 (*biosynth*)
Sable, H.Z. *et al, Ann. N.Y. Acad. Sci.*, 1982, **378**, 78, 378, 454 (*book, nmr, cryst struct, conformn*)
Uray, G., *Monatsh. Chem.*, 1982, **113**, 1475 (*synth*)
Davis, R.E. *et al, Adv. Clin. Chem.*, 1983, **23**, 93 (*chemistry*)
Oka, Y., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Edn., 1983, **24**, 124 (*synth*)
Gubler, C.J., *Food Sci. Technol.*, 1984, **13**, 245 (*rev*)
Ishida, T. *et al, Acta Crystallogr., Sect. C*, 1984, **40**, 437 (*cryst struct*)
Karlson, P., *Trends Biochem. Sci.*, 1984, **9**, 536 (*mol, struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2515, 2540, 4574.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7829, 7830, 7833, 7834, 7835, 7838.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1027.

Thiamine diphosphate T-00175

3-[(4-Amino-2-methyl-5-pyrimidyl)methyl]-4-methyl-5-(4,6,6-trihydroxy-3,5-dioxa-4,6-diphosphahex-1-yl)-thiazolium chloride P,P′*-dioxide, 9CI. Vitamin* B_1 *pyrophosphoric ester.* ***Cocarboxylase, INN.*** *Diphosphothiamine. Pyruvodehydrase. Thiamine pyrophosphate. Interacton. Numerous other synonyms*

[154-87-0]



$C_{12}H_{19}ClN_4O_7P_2S$ M 460.765

Coenzyme of the yeast enzyme carboxylase. Catalyses the decarboxylation of α-ketoacids. Cryst. (EtOH contg. HCl). Mp 240°.

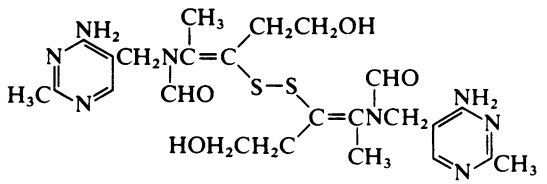
▷XI7552000.

Lohmann, K. *et al, Biochem. Z.*, 1937, **294**, 188.
Weijlard, J. *et al, J. Am. Chem. Soc.*, 1938, **60**, 2263.
Weijlard, J., *J. Am. Chem. Soc.*, 1941, **63**, 1160.
Karrer, P. *et al, Helv. Chim. Acta*, 1946, **29**, 711.
Ullrich, *et al, Vitam. Horm. (N.Y.)*, 1970, **28**, 365 (*rev, biochem*)
Florkin, M. *et al, Comprehensive Biochemistry*, 1971, Elsevier, Amsterdam, Vol. 11, 3 (*rev, biosynth*)
Pletcher, J. *et al, Acta Crystallogr., Sect. B*, 1977, **33**, 3349 (*cryst struct*)
Chauvet-Monges, A. *et al, C.R. Hebd. Seances Acad. Sci., Ser. C*, 1978, **286**, 489 (*nmr*)
Banan, E.J. *et al, Z. Naturforsch., B*, 1979, **34**, 1615 (*ir*)
Rindi, G. *et al, Acta Vitaminol. Enzymol.*, 1982, **4**, 59 (*metab*)
Sanemori, H. *et al, Experientia*, 1982, **38**, 1044 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2558.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7836.

Thiamine disulfide T-00176

N,N′-[*Dithiobis[2-(2-hydroxyethyl)-1-methyl-2,1-ethenediyl]]bis[N-[(4-amino-2-methyl-5-pyrimidinyl)-methyl]formamide], 9CI. Aneurine disulfide. Bisthiamine. Aktivin. Neolamin. Numerous proprietary names*

[67-16-3]



$C_{24}H_{34}N_8O_4S_2$ M 562.704

Dimorphic. Analgesic. Vitamin B_1 source. Yellow cryst. Mp 128-134°, Mp 177°.

B,HCl: Cryst. (MeOH aq.). Dec. at 231°.

Diphosphate: [992-46-1]. *Thiamine monophosphate disulfide. Biotinin. Vitamogen. TMPDS. VMT 908.*

$C_{24}H_{36}N_8O_{10}P_2S_2$ M 722.664

Analgesic. Vitamin B_1 source.

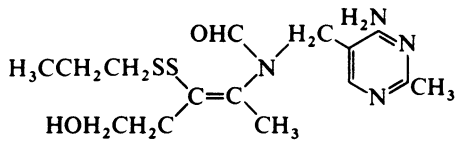
Zima, O. *et al, Ber.*, 1940, **73**, 941 (*isol*)

Matsukawa, *et al*, *J. Pharm. Soc. Japan.*, 1953, **73**, 379 (*synth*)
Marten, G., *Naturwissenschaften*, 1955, **42**, 443 (*metab*)
Kawasaki, H. *et al*, *J. Pharm. Soc. Japan.*, 1956, **76**, 706 (*synth*)
Zima, O. *et al*, *Arzneim.-Forsch.*, 1956, **6**, 623 (*pharmacol*)
Nakano, J. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 705 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7189.

Thiamine propyl disulfide T-00177

N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-N-[4-hydroxy-1-methyl-2-(propyldithio)-1-butenyl]-formamide, *9CI*, *8CI*. ***Prosultiamine, INN***. *Numerous proprietary names*

[59-58-5]



$C_{15}H_{24}N_4O_2S_2$ M 356.500

Enzyme cofactor vitamin, synthetic thiamine, analgesic. Prisms (C_6H_6). Mp 128-129° dec. More effective than vitamin B_1.

▷LQ0699000.

B,HCl: [973-99-9]. *Neurvit.* Mp 160-161° dec.

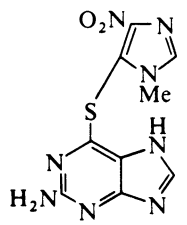
▷LQ0700000.

Yamada *et al*, *J. Pharm. Soc. Jpn.*, 1954, **74**, 963 (*synth*)
Suzuoki, Z. *et al*, *J. Biochem.*, 1965, **58**, 279 (*metab*)
Tursin, V.M. *et al*, *Zh. Org. Khim.*, 1965, **1**, 1151 (*synth*)
Nishikawa, M. *et al*, *J. Pharmacol. Exp. Ther.*, 1967, **157**, 589.
Nishikawa, M. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 932 (*struct*)
Thomson, A.D. *et al*, *Ann. Intern. Med.*, 1971, **74**, 529 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3765.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13182.

Thiamiprine, USAN T-00178

6-[(1-Methyl-4-nitro-1H-imidazol-5-yl)thio]-1H-purin-2-amine, *9CI*. *2-Amino-6-[(1-methyl-4-nitroimidazol-5-yl)thio]purine*, *8CI*. *Guaneran. Aminoazathioprin. BW 57323. ITG. NSC 38887.* ***Tiamiprine, INN***

[5581-52-2]



$C_9H_8N_8O_2S$ M 292.275

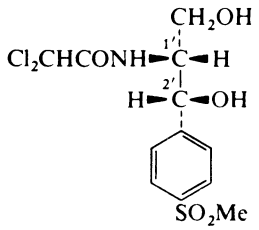
Immunosuppressant, antineoplastic agent. Mp >200° dec.

▷UO7505000.

U.S.P., 3 056 785, (*1962*); *CA*, **59**, 5701g (*synth*)
Chalmers, A.H. *et al*, *Biochem. Pharmacol.*, 1972, **21**, 2662 (*pharmacol*)

Thiamphenicol, USAN, INN, JAN T-00179

2,2-Dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-[4-(methylsulfonyl)phenyl]ethyl]acetamide, *9CI*



$C_{12}H_{15}Cl_2NO_5S$ M 356.220

(1'R,2'R)-form [15318-45-3]

(+)-threo-*form. Thiocymetin. Propacin. Dextrosulfenidol. Numerous proprietary names*

Antibacterial agent. Mp 164.3-166.3°. $[\alpha]_D^{25}$ +12.9° (EtOH).

▷AB6680000.

Glycinate; B,HCl: [2611-61-2]. *E 124. Glitisol. Neomyson-G. Thiamphenicol aminoacetate hydrochloride, JAN. Thiofenickin. Urfamicin.* Antibiotic.

(±)-form [847-25-6]

Racephenicol, USAN. *Racefenicol, INN. Racenicol. SW 5063. WIN 5063. Dexawin*

Antibiotic.

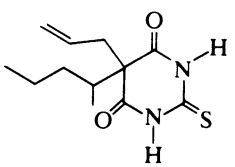
Benzoyl: Mp 175°.

Cutler, R.A. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 5475 (*synth, pharmacol*)
Suter, C.M. *et al*, *J. Am. Chem. Soc.*, 1953, **75**, 4330 (*synth*)
Japan. Pat., 70 29 176, (*1970*); *CA*, **74**, 64064 (*synth*)
Mitscher, L.A. *et al*, *J. Med. Chem.*, 1973, **16**, 98 (*stereochem*)
Kuhnert-Brandstaetter, M. *et al*, *J. Pharm. Sci.*, 1974, **42**, 150 (*props, uv*)
Arnoldi, A. *et al*, *Heterocycles*, 1984, **22**, 1537 (*synth*)
Lin, L.-J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 160 (*synth*)
Fuglesang, J. *et al*, *Antibiot. Chemother.* (*Basel*), 1982, **31**, 1 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2372.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 171, 172.

Thiamylal T-00180

Dihydro-5-(1-methylbutyl)-5-(2-propenyl)-2-thioxo-4,6-(1H,5H)-pyrimidinedione, *9CI*. *5-Allyl-5-(1-methylbutyl)-2-thiobarbituric acid*, *8CI*. *Thioquinalbarbitone*

[77-27-0]



$C_{12}H_{18}N_2O_2S$ M 254.346

Intravenous anaesthetic. Mp 132-133°.

Na salt: [337-47-3]. *Thiamylal sodium, USAN. Surital.*

▷Addictive. CQ0350000.

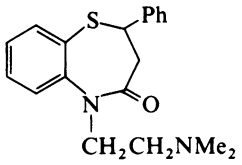
Penprase, W.G. *et al*, *J. Am. Pharm. Assoc.*, 1958, **47**, 523 (*cryst struct*)
U.S.P., 2 876 225, (*1959*); *CA*, **53**, 16168f (*synth, pharmacol*)
Cleverley, B., *Analyst*, 1960, **85**, 582 (*ir*)
Tsukamoto, H. *et al*, *Chem. Pharm. Bull.*, 1963, **11**, 427 (*metab, chromatogr*)
Naresh, C.J. *et al*, *Microchem. J.*, 1967, **12**, 249 (*glc*)

Fales, H.M. *et al*, *Arch. Mass Spectral. Data*, 1971, **2**, 580 (*ms*)
Siek, T.J. *et al*, *J. Forensic Sci.*, 1975, **20**, 18 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3128.

Thiazesim, BAN T-00181

5-[2-(Dimethylamino)ethyl]-2,3-dihydro-2-phenyl-1,5-benzothiazepin-4(5H)-one, 9CI. Tiazesim

[5845-26-1]



$C_{19}H_{22}N_2OS$ M 326.456

(+)-form

B,HCl: [16711-17-4]. Mp 249-251°. $[\alpha]_D^{28}$ +449° (c, 0.01 in H_2O).

(−)-form [16711-18-5]

B,HCl: Mp 249-251°. $[\alpha]_D^{28}$ −446° (c, 0.01 in H_2O).

(±)-form

Antidepressant. Cryst. (hexane). Mp 78-80°.

B,HCl: [3122-01-8]. *Thiazesim hydrochloride, USAN. Altinil. SQ 10496. Thiazenone.* Mp 225-227°.

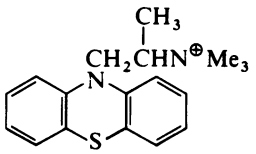
▷DL0525000.

Krapcho, J. *et al*, *J. Med. Chem.*, 1966, **9**, 191 (*synth*)
Dreyfuss, J. *et al*, *J. Pharm. Sci.*, 1968, **57**, 1505 (*ms, metab*)
Krapcho, J. *et al*, *J. Med. Chem.*, 1968, **11**, 361 (*resoln*)

Thiazinamium(1+) T-00182

N,N,N,α-Tetramethyl-10H-phenothiazine-10-ethanaminium, 9CI. Trimethyl (1-methyl-2-phenothiazin-10-ylethyl)ammonium

[2338-21-8]



$C_{18}H_{23}N_2S^{\oplus}$ M 299.453 (ion)

Antihistamine, antiallergic, anticholinergic agent.

Chloride: [4320-13-2]. *Thiazinamium chloride, USAN, INN. Promethazine methylchloride. Wy 460E.*
$C_{18}H_{23}ClN_2S$ M 334.906

Methosulphate: [58-34-4]. *Multergan. Multezin. Padisal. 3554 RP. Thiazinamium metilsulfate, INN. Thiazinamon. Thiozinamin. Valan.*
$C_{19}H_{26}N_2O_3S_2$ M 394.546
Sl. sol. Me_2CO, insol. Et_2O, C_6H_6. Mp 206-210° dec. Discolours on exposure to light.

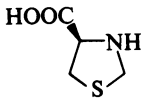
▷SP0175000.

Fr. Pat., 1 172 513, (*1959*); *CA*, **56**, 480 (*synth, pharmacol*)
de Leenheer, A., *J. Assoc. Off. Anal. Chem.*, 1973, **56**, 105 (*uv*)
Marsau, P. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 980 (*cryst struct*)
Jonkman, J.H.G. *et al*, *J. Pharm. Sci.*, 1981, **70**, 947 (*metab*)
Lewis, A.J. *et al*, *Eur. J. Pharmacol.*, 1982, **80**, 171 (*activity*)
Jonkman, J.H.G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 223 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6166.

4-Thiazolidinecarboxylic acid T-00183

Thiaproline. Timonacic, INN. Other proprietary names

[444-27-9]



(R)-form

$C_4H_7NO_2S$ M 133.165

Masked deriv. of cysteine useful in cysteine resoln. pK_{a1} 1.51, pK_{a2} 6.21.

▷XJ5425000.

(R)-form [34592-47-7]

L-form

Needles (H_2O). Mp 205-209° (196-197° dec.). $[\alpha]_D^{20}$ −141° (H_2O), $[\alpha]_D^{22}$ −100° (1M HCl), −203° (1M NaOH).

B,HCl: [67089-84-3]. Prisms (dil. HCl). Mp 184-185° dec.

Me ester: [42258-90-2].
$C_5H_9NO_2S$ M 147.192
Bp_1 75°. $[\alpha]_D^{23}$ −83.0° (H_2O), $[\alpha]_D^{21}$ −106.3° (C_6H_6).

Me ester; B,HCl: [65983-36-0]. Plates ($MeOH/Et_2O$). Mp 164-165° dec.

(±)-form [19291-02-2]

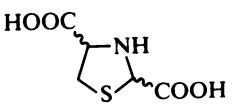
Antineoplastic agent. Used in treatment of liver disorders. Prisms (H_2O). Mp 195° (183-184° dec.).

Ratner, S. *et al*, *J. Am. Chem. Soc.*, 1937, **59**, 200 (*synth*)
Martin, R.B. *et al*, *J. Am. Chem. Soc.*, 1965, **87**, 1065 (*pmr, conformn*)
Rambacher, P., *Chem. Ber.*, 1968, **101**, 2595 (*synth*)
Bollier, F. *et al*, *Gazz. Med. Ital.*, 1972, **131**, 25 (*pharmacol, tox*)
Loscalzo, J. *et al*, *Arch. Biochem. Biophys.*, 1973, **157**, 423 (*cyrst struct*)
Chacko, K.K. *et al*, *Cryst. Struct. Commun.*, 1974, **3**, 561 (*cryst struct*)
Vestling, M.M. *et al*, *J. Heterocycl. Chem.*, 1975, **12**, 243 (*synth, ir, pmr, ms*)
Parthasarathy, R. *et al*, *J. Am. Chem. Soc.*, 1976, **98**, 6634 (*cryst struct, pmr*)
Kamo, J. *et al*, *Bull. Chem. Soc. Jpn.*, 1979, **52**, 706 (*abs config*)
Weber, H.U. *et al Arch. Gerontol. Geriatr.*, 1982, **1**, 299 (*rev, pharmacol*)
Naulet, N. *et al*, *Org. Magn. Reson.*, 1983, **21**, 564 (*N-15 nmr*)
Howard-Lock, H.E. *et al*, *Can. J. Chem.*, 1986, **64**, 1215 (*synth, ir, pmr, cmr*)
Shiraiwa, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1987, **60**, 3277 (*resoln*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 207.

2,4-Thiazolidinedicarboxylic acid, 8CI T-00184

Tidiacic, INN

[30097-06-4]



$C_5H_7NO_4S$ M 177.175

Growth promoter. Used in treatment of liver disorders. Mp 173-176°.

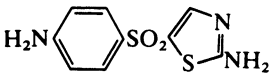
Arginine salt: [30986-62-0]. *Arginine tidiacicate. Tiadilon.*

Ger. Pat., 1 951 241, (*1970*); *CA*, **74**, 13142a (*synth, pharmacol*)

Thiazolsulfone T-00185

5-[(4-Aminophenyl)sulfonyl]-2-thiazolamine, 9CI. 2-Amino-5-sulfanilylthiazole. ***Thiazosulfone, INN****. Promizole. Protozol*

[473-30-3]



$C_9H_9N_3O_2S_2$ M 255.309

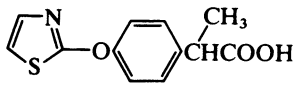
Antibacterial agent. Mp 219-221° (dec.).

Bambas, L.L., *J. Am. Chem. Soc.*, 1945, **67**, 671 (*synth, pharmacol*)
Bass, A.D., *Drill's Pharmacol. Med.*, 4th Ed., 1971, 1674, McGraw-Hill Book Co., New York (*rev, pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6564.

2-[4-(2-Thiazolyloxy)phenyl]propanoic acid T-00186

α-Methyl-4-(2-thiazolyloxy)benzeneacetic acid, 9CI. ***Zoliprofen, INN****. Zoxiprofen. 480156* S

[56355-17-0]



$C_{12}H_{11}NO_3S$ M 249.284

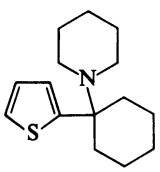
Analgesic, antiinflammatory agent. Cryst. (CH_2Cl_2). Mp 121-122°.

Maeda, R. *et al*, *Chem. Pharm. Bull.*, 1983, **31**, 3424 (*synth, pharmacol*)
Hirose, K. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 280 (*pharmacol*)

1-[1-(2-Thienyl)cyclohexyl]piperidine, 8CI T-00187

1-(1-Piperidyl)-1-(2-thienyl)cyclohexane. ***Tenocyclidine, INN****. TEP*

[21500-98-1]



$C_{15}H_{23}NS$ M 249.413

Parasympatholytic agent. Mp 37-38°. $Bp_{1.2}$ 144°.

▷TN4221400.

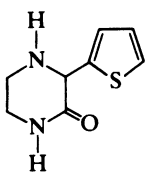
B,HCl: [1867-65-8]. Mp 231-235°.

Kalir, A. *et al*, *J. Med. Chem.*, 1969, **12**, 473 (*synth, pharmacol*)
Maayani, S. *et al*, *Biochem. Pharmacol.*, 1974, **23**, 1263 (*pharmacol*)
Bailey, K. *et al*, *J. Assoc. Off. Anal. Chem.*, 1976, **59**, 81 (*uv, pmr*)
Brine, G.A. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 1425 (*cmr*)

3-(2-Thienyl)piperazinone, 9CI T-00188

Tenilsetam, INN*. CAS 997*

[85606-97-9]



$C_8H_{10}N_2OS$ M 182.240

(±)-***form*** [86696-86-8]

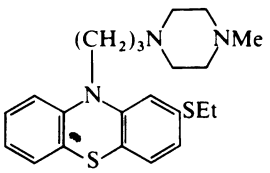
Nootropic (cognition enhancer). Mp 118°.

Ger. Pat., 3 132 882, (*1983*); *CA*, **98**, 198275 (*synth*)
Saletu, B. *et al*, *Drug Dev. Res.*, 1986, **9**, 95; 1987, **10**, 135 (*pharmacol*)
Wesnes, K. *et al*, *Med. Sci. Res.*, 1987, **15**, 1063 (*props*)

Thiethylperazine, BAN, USAN, INN T-00189

2-(Ethylthio)-10-[3-(4-methyl-1-piperazinyl)propyl]-10H-phenothiazine, 9CI. Torecan

[1420-55-9]



$C_{22}H_{29}N_3S_2$ M 399.611

Antiemetic, central depressant. Cryst. (Me_2CO). Mp 62-64°.

▷SP0280000.

B,2HCl: Mp 214-216° (sinters 205°).

Dimaleate: [1179-69-7]. *Thiethylperazine maleate, USAN. Torecan maleate. GS 95. NSC 130004. Tietylperazine maleate, JAN. Toresten. Tresten.* Cryst. (MeOH). Mp 188-190° dec. (sinters at 180°).

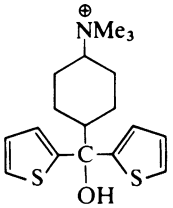
▷SP0350000.

Dimalate: [52239-63-1]. *Thiethylperazine malate, USAN. Tietylperazine malate, JAN.*

Bourquin, J.P. *et al*, *Helv. Chim. Acta*, 1958, **41**, 1072 (*synth*)
Zehnder, K. *et al*, *Biochem. Pharmacol.*, 1962, **11**, 551 (*metab*)
Takayanagi, I., *Arzneim.-Forsch.*, 1964, **14**, 694 (*pharmacol*)
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1966, **55**, 144 (*ir, uv, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7100.

Thihexinol methyl(1+) T-00190

[4-(Hydroxybis-2-thienylmethyl)cyclohexyl]-trimethylammonium(1+)



$C_{18}H_{26}NOS_2^{\oplus}$ M 336.530 (ion)

Anticholinergic, antidiarrhoeal agent.

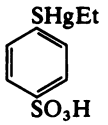
Bromide: [7219-91-2]. *Thihexinol methylbromide, INN. Entoquel.*
$C_{18}H_{26}BrNOS_2$ M 416.434
Mp 239-241°.

B.P., 854 932, (*1960*); *CA*, **55**, 19826h (*synth, pharmacol*)
Villani, F.J. *et al*, *J. Org. Chem.*, 1964, **29**, 2585 (*synth, cis,trans* forms)

Thimerfonate T-00191

Ethyl(4-mercaptobenzenesulfonato-S⁴)mercury, 9CI. Ethyl(hydrogen p-mercaptobenzenesulfonato)mercury, 8CI

[33305-56-5]



$C_8H_{10}HgO_3S_2$ M 418.875

Topical antiinfective agent. Mp >300°.

Na salt: [5964-24-9]. *Sodium timerfonate, INN. Timerfonate sodium, USAN. Timerfonnatrium.*

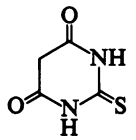
▷OW3780000.

U.S.P., 1 672 615, (*1928*); *CA*, **22**, 2639 (*synth, pharmacol*)
Waldo, J.H., *J. Am. Chem. Soc.*, 1931, **53**, 992 (*synth*)

Thiobarbituric acid T-00192

Dihydro-2-thioxo-4,6(1H,5H)-pyrimidinedione, 9CI. Malonylthiourea. Bathyran

[504-17-6]



$C_4H_4N_2O_2S$ M 144.148

Bactericide, thyroid inhibitor. Plates (H_2O). Mp 235° dec. (rapid heating).

▷CQ7700000.

Michael, A., *J. Prakt. Chem.*, 1894, **49**, 38 (*synth*)
Harwood, H.J., *CA*, 1933, **27**, 1676 (*synth*)
Japan. Pat., 77 07 054, (*1977*); *CA*, **87**, 128882c (*use*)
Gotthardt, H. *et al*, *Chem. Ber.*, 1986, **119**, 2094 (*synth*)
Katritzky, A.R. *et al*, *Can. J. Chem.*, 1986, **64**, 2087 (*synth, cmr*)

Thiobenzoic acid, 8CI T-00193

Benzenecarbothioic acid, 9CI

[98-91-9]

PhCOSH

C_7H_6OS M 138.184

Yellow oil cryst. on chilling in ice. Mp 24°. pK_a 2.66 (H_2O).

▷DH6839000.

O-*Me ester:* [5873-86-9].
C_8H_8OS M 152.211
Yellow liq. Bp_{10} 110-112°.

S-*Me ester:* [5925-68-8].
C_8H_8OS M 152.211
Yellow liq. Bp 210-212°.

O-*Et ester:* [936-61-8].
$C_9H_{10}OS$ M 166.237
Yellow liq. Bp 240°, Bp_{11} 112-120°.

S-*Et ester:* [1484-17-9].
$C_9H_{10}OS$ M 166.237
Yellow oil. Bp 252.3°, Bp_{31} 146°.

O-*Ph ester:* [16911-57-2].
$C_{13}H_{10}OS$ M 214.281
Yellow prisms. Mp 32°.

S-*Ph ester:* [884-09-3].
$C_{13}H_{10}OS$ M 214.281
Cryst. (2-propanol). Mp 56-57°.

Amide: [2227-79-4].
C_7H_7NS M 137.199
Mp 116-117°.

▷CV5860000.

Chloride: Thiobenzoyl chloride. Reagent for dehydration of alcohols. Violet-red liq. Bp 88°. Unstable >78°.

▷Lachrymator

S-*Benzyl ester:* [13402-51-2]. ***Tibenzate, INN.*** *Scabexan.*
$C_{14}H_{12}OS$ M 228.308
Nematocide. Cryst. (EtOH). Mp 39.5°.

▷DH6850000.

Hydrazide: [20605-40-7].
$C_7H_8N_2S$ M 152.214
Cryst. (Et_2O/pet. ether). Mp 68-70°.

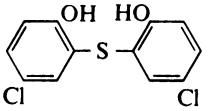
S-*Octyl ester:* [10489-23-3]. ***Tioctilate, INN.*** S-*Octylthiobenzoate. Scabexol.*
$C_{15}H_{22}O_5$ M 282.336
Acaricide. $Bp_{0.1}$ 125-130°. n_D^{29} 1.529.

Org. Synth., Coll. Vol., **4**, 924 (*synth*)
Chablay, A., *C.R. Acad. Sci., C*, 1966, **263**, 157 (*synth, Tioctilate*)
Holmes, J.L. *et al*, *Org. Mass. Spectrom.*, 1970, **4** (*Suppl*), 97 (*ms*)
Mori, M. *et al*, *Int. J. Sulfur Chem., Part A*, 1972, **2**, 79 (*esters*)
Pipyn, P. *et al*, *Experientia*, 1979, **35**, 480 (*metab, Tioctilate*)
Talley, J.J., *Synthesis*, 1981, 549 (*synth, Tioctilate*)
Evans, D.M. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1986, 1499 (*hydrazide*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 582.

2,2′-Thiobis(4-chlorophenol), 9CI, 8CI T-00194

Fenticlor, BAN, INN, USAN. *Di(5-chloro-2-hydroxyphenyl) sulfide. 5,5′-Dichloro-2,2′-dihydroxydiphenyl sulfide. Chlorhydrosulfide. Phentichlorum. Other synonyms*

[97-24-5]



$C_{12}H_8Cl_2O_2S$ M 287.160

Fungicide, bactericide, anthelmintic. Needles (toluene). Sol. dil. alkalis, EtOH, hot C_6H_6. Mp 175°.

▷SN0350000.

Ariyan, Z.S. *et al*, *J. Chem. Soc.*, 1962, 3876 (*synth*)
Gurvich, Ya.A. *et al*, *Zh. Obshch. Khim.*, 1970, **40**, 2691 (*pmr*)
Ivanova, T.M. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1971, 435 (*ir*)
Denisova, L.I. *et al*, *Khim-Farm. Zh.*, 1973, **7**, 33 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2196.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2580.

2,2′-Thiobisethanol, 9CI T-00195

2,2′-Thiodiethanol, 8CI. Dihydroxydiethyl sulfide. Bis(2-hydroxyethyl) sulfide. ***Thiodiglycol, INN.*** *Thiodiethylene glycol. Tedegyl*

[111-48-8]

$HOCH_2CH_2SCH_2CH_2OH$

$C_4H_{10}O_2S$ M 122.182

Antineoplastic, radioprotective agent. Syrup. Misc. H_2O. Mp −16°. Bp_{20} 164-166°. n_D^{26} 1.4228.

▷KM2975000.

Di-Ph ether:
$C_{16}H_{18}O_2S$ M 274.377
Needles (EtOH). Mp 42°.
Mono-Ac:
$C_6H_{12}O_3S$ M 164.219
Bp_{34} 120-121°.
Di-Ac: [4275-28-9].
$C_8H_{14}O_4S$ M 206.256
Bp_2 118°.
▷KM3000000.
Dibenzoyl:
$C_{18}H_{18}O_4S$ M 330.398
Cryst. (EtOH). Mp 65°.

Org. Synth., Coll. Vol., **2**, 576 (*synth*)
Szabo, J.L. *et al*, *J. Am. Chem. Soc.*, 1948, **70**, 3667 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2570.

Thiocarbamic acid T-00196

Aminothioformic acid
[19045-66-0]

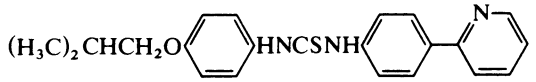
$$H_2NCOSH \rightleftharpoons H_2NCSOH$$

CH_3NOS M 77.101
Free acid unknown. Forms two series of esters.
NH_4 salt: [16687-42-6]. Cryst. V. sol. H_2O, spar. sol. EtOH, insol. Et_2O.
S-*Me ester:* [21325-07-5].
C_2H_5NOS M 91.128
Prisms (Et_2O). Mp 107-108°.
S-*Me ester*, N-*Ac:* [34277-65-1].
$C_4H_7NO_2S$ M 133.165
Needles (C_6H_6). Mp 145.5-146°.
S-*Et ester:* [637-98-9]. S-*Ethyl carbamothioate*, *9CI*. S-*Ethyl thiocarbamate*, *8CI*. S-*Ethyl aminothioformate*. *Thiourethane.*
C_3H_7NOS M 105.154
Has contraceptive props. Plates (C_6H_6). Sol. hot H_2O. Mp 108-109°. The name Thiourethane is applied to both the *S*-Et and *O*-Et (see below) esters.
S-*Et ester*, N-*Ac:* [57964-27-9]. S-*Ethyl acetylcarbamothioate*, *9CI*.
$C_5H_9NO_2S$ M 147.192
Prisms (C_6H_6). Mp 98°.
S-*Ph ester:* [61642-86-2].
C_7H_7NOS M 153.198
Plates (C_6H_6 or H_2O). Mp 96-98°.
S-*Benzyl ester:* [42049-35-4].
C_8H_9NOS M 167.225
Plates (C_6H_6). Mp 125°.
O-*Me ester:* [683-63-6].
C_2H_5NOS M 91.128
Mp 43°.
O-*Me ester*, N-*Ac:*
$C_4H_7NO_2S$ M 133.165
Cryst. (pet. ether). Mp 79-80°.
O-*Et ester:* [625-57-0]. O-*Ethyl carbamothioate*, *9CI*. O-*Ethyl thiocarbamate*, *8CI*. O-*Ethyl aminothioformate*. *Xanthogenamide. Thiourethane.*
C_3H_7NOS M 105.154
Fungicide. Volatile monoclinic cryst. Spar. sol. H_2O. Mp 40-41° (16°). Dec. on dist.
O-*Et ester*, N-*Ac:* [21406-25-7]. O-*Ethyl acetylcarbamothioate*, *9CI*. O-*Ethyl acetylthiocarbamate*, *8CI*.
$C_5H_9NO_2S$ M 147.192
Prisms (H_2O). Mp 99.5-101°.
O-*Et ester*, N,N-*Di-Me:* [17996-38-2]. O-*Ethyl dimethylcarbamothioate*, *9CI*.
$C_5H_{11}NOS$ M 133.208
Liq. with peculiar odour. d_4^{20} 1.028. Fp 15°. Bp 206°, Bp_{13} 88-89°.
O-*Ph ester:* [824-88-4].
C_7H_7NOS M 153.198
Needles (EtOH). Mp 132-132.5°.
N-*Ph:* [19804-05-8].
C_7H_7NOS M 153.198
Mp 98°.
N-*Ph*, S-*Ph ester:* [4910-32-1].
$C_{13}H_{11}NOS$ M 229.296
Mp 125.5-126°.

Weijland, J. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 1497.
Reimschneider, R. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 5905.
Reimscheider, R. *et al*, *Monatsh. Chem.*, 1953, **84**, 1238.
U.S.P., 2 602 813, (*1953*); *CA*, **47**, 7536
B.P., 688 726, (*1954*); *CA*, **48**, 2091
Szekeres, L., *CA*, 1954, **48**, 11347.
B.P., 811 861, (*1959*); *CA*, **53**, 20678e (*synth, props*)
Zil'berman, E.N. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 1023.
Walter, W. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1967, **6**, 281 (*rev, deriv*)
U.S.P., 4 066 681, (*1975*); *CA*, **88**, 136154
Goerdeler, J. *et al*, *Chem. Ber.*, 1982, **115**, 1252 (*synth, ester*)
Jorgensen, K.A. *et al*, *Tetrahedron*, 1982, **38**, 1163 (*synth, ester*)

Thiocarbanidin, INN T-00197

N-[*4-(2-Methylpropoxy)phenyl*-N′-[*4-(2-pyridinyl)-phenyl*]*thiourea*, *9CI*. *4-Isobutoxy-4′-(2-pyridyl)-thiocarbanilide. Thioban. THC. Y 9525*
[92-97-7]



$C_{22}H_{23}N_3OS$ M 377.503
Antibacterial (tuberculostatic). Cryst. (EtOH). Mp 149-150°.

Doub, L. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 2205 (*synth, pharmacol*)
Wagner, W.H. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 719 (*pharmacol*)

Thiocarlide, BAN T-00198

N,N′-*Bis*[*4-(3-methylbutoxy)phenyl*]*thiourea*, *9CI*. *4,4′-Bis(isopentyloxy)thiocarbanilide*, *8CI*. ***Tiocarlide, INN***. *Isoxyl. Other synonyms*
[910-86-1]



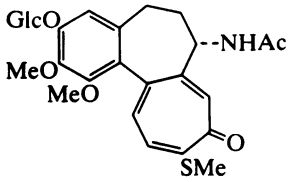
$C_{23}H_{32}N_2O_2S$ M 400.578
Used in the treatment of tuberculosis, leprostatic. Cryst. (EtOH). Mp 134-135°.

Buu-Hoï, Ng.Ph. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1953, **237**, 498 (*synth*)
U.S.P., 2 703 815, (*1955*); *CA*, **49**, 11701 (*manuf*)
Meissner, G. *et al*, *Nucl. Med. Suppl.*, 1968, **8**, 177 (*metab*)
Lambelin, G., *Antibiot. Chemother. (Basel)*, 1970, **16**, 84 (*rev, pharmacol*)
Csonka-Horvai, J. *et al*, *Z. Naturforsch., B*, 1971, **26**, 21 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6971.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7573.

Thiocolchicoside, INN **T-00199**

N-[*3β-D-Glucopyranosyloxy)-5,6,7,9-tetrahydro-1,2-dimethoxy-10-(methylthio)-9-oxobenzo*[a]*heptalen-7-yl*]*acetamide, 9CI. 2,10-Di(demethoxy)-2-glucosyloxy-10-methylthiocolchicine. Colcamyl. Coltramyl. Coltrex. Musco-Ril. Numerous proprietary names*

[602-41-5]



$C_{27}H_{33}NO_{10}S$ M 563.618

Muscle relaxant. Yellow cryst. Mp 220° (dec.). $[\alpha]_D$ −240° (EtOH).

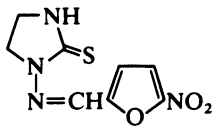
▷GH0983000.

Velluz, L. *et al*, *Bull. Soc. Chim. Fr.*, 1955, 194 (*synth*)
Georges, G. *et al*, *Therapie*, 1958, **13**, 689 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7545 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13324.

Thiofuradene, INN **T-00200**

1-[[(5-Nitro-2-furanyl)methylene]amino]-2-imidazolidinethione, 9CI. 1-(5-Nitrofurfurylideneamino)-2-imidazolidinethione, 8CI. Nifurthilinum. Furidin. NF 441

[2240-21-3]



$C_8H_8N_4O_3S$ M 240.236

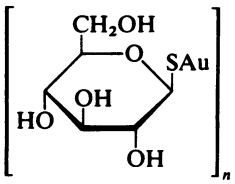
Veterinary anthelmintic, antiinfective agent. Mp 225° (dec.).

▷NJ0525000.

Paul, M.F. *et al*, *Antibiot. Chemother.*, 1960, **10**, 287 (*metab*)
U.S.P., 2 920 074, (*1960*); *CA*, 1960, **54**, 7736g (*synth, pharmacol*)

(1-Thioglucopyranosato)gold, 9CI **T-00201**

*(1-Glucosylthio)gold. **Aurothioglucose**, INN, USAN*



$C_6H_{11}AuO_5S$ M 392.176

Polymeric.

D-form [12192-57-3]

Aureotan. Solganol. Aurumine. Oronol

Antiarthritic drug. Yellow cryst. (EtOH aq.). Sol. H_2O, insol. org. solvs.

▷MD6475000.

Tetra-Ac: [69849-37-2]. *(1-Thioglucopyranosato-2,3,4,6-tetraacetato)gold, 10CI.*

$C_{14}H_{19}AuO_9S$ M 560.325

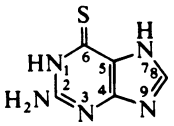
Antiarthritic drug. Pale yellow cryst. (2-propanol/Et_2O). Mp 146-148°. $[\alpha]_D^{25}$ −56.9° (c, 1 in MeOH). Polymeric.

Sadler, P.J., *Struct. Bonding (Berlin)*, 1976, **29**, 171 (*rev*)
Lorber, A. *et al*, *Gold. Bull.*, 1979, **12**, 149 (*rev*)
U.S.P., 4 133 952, (*1979*); *CA*, **90**, 152549g (*deriv*)
Brown, D.H. *et al*, *Chem. Soc. Rev.*, 1980, **9**, 217 (*rev*)
Brown, K. *et al*, *J. Am. Chem. Soc.*, 1981, **103**, 4943 (*mössbauer*)
Shaw, C.F. *et al*, *J. Inorg. Biochem.*, 1981, **14**, 267 (*rev, cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5294.

Thioguanine, BAN, USAN **T-00202**

2-Amino-1,7-dihydro-6H-purine-6-thione, 9CI. 2-Aminopurine-6-thiol. Lanvis. B.W. 50-71. NSC 752. Tabloid. ***Tioguanine, INN.*** *Wellcome U3B*

[154-42-7]



$C_5H_5N_5S$ M 167.188

Antineoplastic agent. Needles (H_2O). Mp >360°.

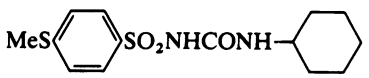
▷Exp. teratogen. UP0740000.

Elion, G.B. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 1676 (*synth*)
Bugg, C.E. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 7441 (*cryst struct*)
Allan, P.W. *et al*, *Biochem. Pharmacol.*, 1971, **20**, 847 (*metab*)
Paterson, A.R.P. *et al*, *Handbk. Exp. Pharmakol.*, 1975, **38**, 384 (*rev*)
Loo, T.L. *et al*, *Cancer Chemother. Pharmacol.*, 1981, **6**, 131 (*metab, pharmacol*)
Nelson, J. *et al*, *Cancer Res.*, 1986, **46**, 137 (*formn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1868.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 247.

Thiohexamide, INN **T-00203**

1-Cyclohexyl-3-[p-(*methylthio*)*phenylsulfonyl*]*urea*

[3692-44-2]



$C_{14}H_{20}N_2O_3S_2$ M 328.444

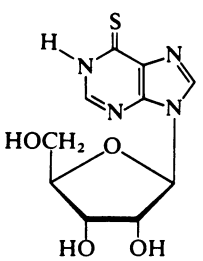
Oral hypoglycaemic agent. Mp 187-188°.

Marshall, F.J. *et al*, *J. Org. Chem.*, 1958, **23**, 927 (*synth*)
Radding, R.S. *et al*, *Metab., Clin. Exp.*, 1962, **11**, 411 (*pharmacol*)

6-Thioinosine, 9CI **T-00204**

9-β-D-Ribofuranosyl-9H-purine-6-thiol, 8CI. 6-Mercapto-9-β-D-ribofuranosyl-9H-purine. Thioinosine. Tioinosine

[574-25-4]



$C_{10}H_{12}N_4O_4S$ M 284.289

Antileukaemic agent. Pale-yellow cryst. Mp 210-211° dec. $[\alpha]_D^{25}$ −73.0° (c, 1 in 0.1*M* NaOH).

▷UP0710000.

2',3',5'-Tribenzoyl: [6741-90-8]. Mp 228-230° (sealed tube).

S-*Me:* [342-69-8]. *6-(Methylthio)-9-β-D-ribofuranosyl-9H-purine, 9CI. 6-(Methylthio)inosine.*

$C_{11}H_{14}N_4O_4S$ M 298.316

Antileukaemic agent. Cryst (EtOH). Mp 165-167°.

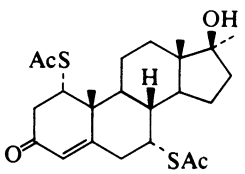
▷UO8985000.

Biochem. Prep., 1963, **10**, 148 (*synth, bibl*)
Shimano, S. *et al, Curr. Ther. Res.*, 1974, **16**, 15 (*props*)
Chenon, M.T. *et al, J. Am. Chem. Soc.*, 1975, **97**, 4627 (*cmr*)
Paterson, A.R.P. *et al, Handb. Exp. Pharmacol.*, 1975, **38**, 384 (*pharmacol*)
Roemming, C. *et al, Acta Chem. Scand., Ser. B*, 1976, **30**, 716 (*cryst struct, deriv*)
Keyser, G.E. *et al, Tetrahedron Lett.*, 1979, 3263 (*synth, deriv*)
Saneyoshi, M. *et al, Chem. Pharm. Bull.*, 1979, **27**, 2518 (*deriv*)
Lin, T.-S. *et al, J. Med. Chem.*, 1985, **28**, 1481 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1870.

Thiomesterone, BAN T-00205

1α,7α-Bis(acetylthio)-17β-hydroxy-17α-methylandrost-4-en-3-one. 17β-Hydroxy-1α,7α-dimercapto-17-methylandrost-4-en-3-one 1,7-diacetate, 8CI. ***Tiomesterone, INN, JAN.*** *Emdabol. Embadol. Emdabolin. Protabol. StA 307*

[2205-73-4]



$C_{24}H_{34}O_4S_2$ M 450.650

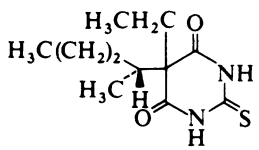
Anabolic steroid. Cryst. Mp 205-206°. $[\alpha]_D$ −66° (dioxan).

Krämer, J.M. *et al, Chem. Ber.*, 1963, **96**, 2803.
Kraft, H.G. *et al, Arzneim.-Forsch.*, 1964, **14**, 328, 330 (*pharmacol*)
Hampel, B. *et al, Tetrahedron*, 1966, **25**, 1601 (*nmr*)

Thiopental T-00206

5-Ethyldihydro-5-(1-methylbutyl)-2-thioxo-4,6(1H,5H)-pyrimidinedione, 9CI. 5-Ethyl-5-(1-methylbutyl)-2-thiobarbituric acid. Pentothal. Penthiobarbital. Thiomebumal. Thiopentobarbital. ***Thiopentone, BAN.*** *Thiopentymal*

[76-75-5]



(*R*)-*form* Absolute configuration

$C_{11}H_{18}N_2O_2S$ M 242.335

▷CQ6300000.

(R)-form [21045-47-6]

The more anaesthetically effective enantiomer. Mp 151-151.5°. $[\alpha]_D$ +10.66° (MeOH).

(S)-form [20224-43-5]

More toxic enantiomer. Mp 148-149°. $[\alpha]_D^{24}$ −10.85° (MeOH).

(±)-form [59709-53-4]

Intravenous anaesthetic, anticonvulsant. Mp 158-159°.

Na salt: [71-73-8]. *Thiopental sodium, INN, USAN. Pentothal sodium.* Yellowish hygroscopic powder.

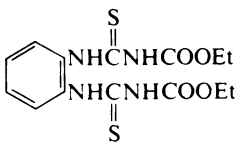
▷CQ6475000.

Tabern, D.L. *et al, J. Am. Chem. Soc.*, 1935, **57**, 1961 (*synth*)
Carroll, F.I. *et al, J. Org. Chem.*, 1969, **34**, 2676 (*synth, ord*)
Carroll, F.I. *et al, J. Med. Chem.*, 1976, **19**, 521 (*cmr, uv, cd*)
Poupaert, J. *et al, J. Pharm. Sci.*, 1976, **65**, 1258 (*ir*)
Carroll, F.I. *et al, Drug Metab. Dispos.*, 1977, **5**, 343 (*isomers, metab*)
Mark, L.C. *et al, Excerpta Med. Int. Congr. Ser.*, 1977, **399**, 143 (*isomers, pharmacol*)
Rouse, S., *Vet. Anesth.*, 1978, **5**, 22 (*rev, pharmacol*)
Brandon, R.A. *et al, J. Vet. Pharmacol. Ther.*, 1981, **4**, 79 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2510.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3124.

Thiophanate, BAN, BSI T-00207

1,2-Phenylenebis(iminocarbonothioyl)biscarbamic acid diethyl ester, 9CI. 4,4'-o-Phenylenebis(3-thioallophanic acid) diethyl ester, 8CI. Cercobin. Helminate. Nemafax. Topsin. NF 35

[23564-06-9]



$C_{14}H_{18}N_4O_4S_2$ M 370.441

Anthelmintic for veterinary use, fungicide. Plates. Mp 195°.

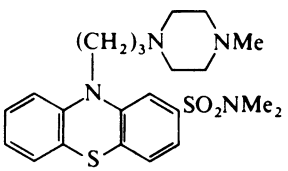
▷BA3650000.

B.P., 1 191 406, (*1967*); *CA*, **71**, 70347h (*synth*)
Eichler, D.A., *Br. Vet. J.*, 1973, **129**, 533 (*rev*)
Matsu, T. *et al, Yakugaku Zasshi*, 1973, **93**, 977 (*synth*)
Bogan, J.A., *Drugs of Today*, 1978, **14**, 256 (*rev*)
Pesticide Manual, 6th Ed., 517.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13328.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1024.

Thioproperazine, BAN, INN T-00208

N,N-*Dimethyl-10-[3-(4-methyl-1-piperazinyl)propyl]-10H-phenothiazine-2-sulfonamide, 9CI*

[316-81-4]



$C_{22}H_{30}N_4O_2S_2$ M 446.625

CNS depressant, antiemetic. Mp 140°.

▷SP5400000.

Methanesulphonate: [2347-80-0]. *Majeptil. Vontil. Cephalmin. IC 5911. Mayeptil. 7843 RP. SKF 5883. Sulfenazin. Thioperazine.*

▷SP5425000.

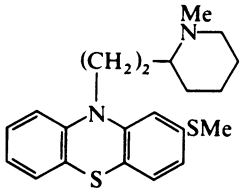
B.P., 814 519, (*1959*); *CA*, **53**, 22025 (*synth*)
Julou, L. *et al, Proc. Eur. Soc. Study Drug Toxicity*, 1968, **9**, 11 (*rev, toxicity*)
Theobald, W. *et al, Arzneim.-Forsch.*, 1968, **18**, 1491 (*pharmacol*)
Gilbert, J.N. *et al, Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7113.

Thioridazine, BAN, USAN, INN, JAN **T-00209**

10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylthio)-10H-phenothiazine, 9CI. Mellaril. Other synonyms

[50-52-2]



$C_{21}H_{26}N_2S_2$ M 370.570

▷SP2100000.

(±)-form [57129-06-3]

Tranquilliser, neuroleptic agent. Cryst. (Me_2CO). Mp 72-74°. $Bp_{0.02}$ 230°.

B,HCl: [130-61-0]. *Mellaril hydrochloride.* Cryst. (Me_2CO). Mp 158-160°.

▷SP2275000.

Fumarate: Cryst. (EtOH). Mp 158-160°.

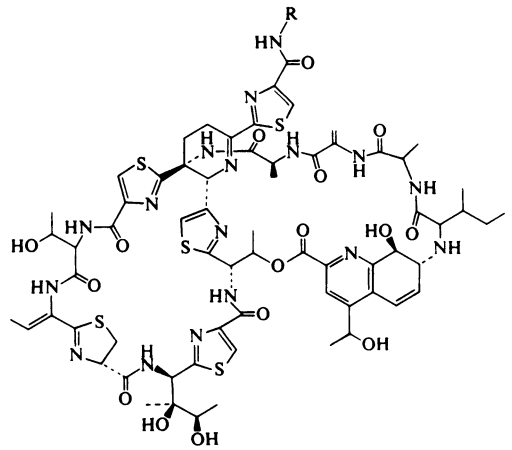
Tartrate: [1257-76-7]. Mp 130° dec.

Bourquin, J.-P. *et al, Helv. Chim. Acta*, 1958, **41**, 1072.
Haley, T.J. *et al, Toxicol. Appl. Pharmacol.*, 1959, **1**, 377 (*pharmacol*)
McDowell, J.J.H., *Acta Crystallogr., Sect. B*, 1975, **31**, 2256 (*cryst struct*)
Muusze, R.G. *et al, Eur. J. Clin. Pharmacol.*, 1977, **11**, 141 (*metab*)
Ryhage, R. *et al, Biomed. Mass Spectrom.*, 1978, **5**, 615 (*ms*)
Reboul, J.P., *Eur. J. Med. Chem.-Chim. Ther.*, 1984, **19**, 277 (*conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6205.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7115.

Thiostrepton, 9CI, 8CI **T-00210**

Thiostrepton A. Bryamycin. Thiactin. Antibiotic 6739-15. Antibiotic 6761-31

[1393-48-2]



Thiostrepton A R = —NHC(=CH_2)CONHC(=CH_2)$CONH_2$
B R = NH_2

$C_{72}H_{85}N_{19}O_{18}S_5$ M 1664.880

Antibiotic. Isol. from *Streptomyces aureus*. Active against gram-positive bacteria and inhibits protein synthesis. Cryst. ($CHCl_3$/EtOH). Mp 246-255° dec. $[\alpha]_D^{23}$ −98.5° (AcOH).

▷XN6300100.

Thiostrepton B [75524-61-7]

Thiostrepton A_2

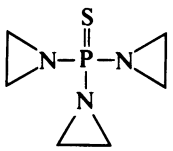
An artefact formed from Thiostrepton *A* on standing.

Anderson, B. *et al, Nature (London)*, 1970, **225**, 233 (*struct, cryst struct*)
Tori, K. *et al, Tetrahedron Lett.*, 1976, 185 (*struct, pmr, cmr*)
Florey, K., *Anal. Profiles Drug Subst.*, 1978, **7**, 423 (*rev*)
Oleskar, A. *et al, J. Chem. Soc., Chem. Commun.*, 1978, 557 (*struct, nmr*)
Hensens, O.D. *et al, J. Antibiot.*, 1983, **36**, 799, 814, 831 (*struct, bibl*)

Thiotepa, BAN, INN **T-00211**

1,1',1''-Phosphinothioylidenetrisaziridine, 9CI. Tris(1-aziridinyl)phosphine sulfide, 8CI. N,N',N''-*Triethylenethiophosphoramide. Phosphorothionic triethenamide. Tifosyl. Tespamin. Thiophosphamidum. Tiofosfamid. Tiolepa. Other synonyms*

[52-24-4]



$C_6H_{12}N_3PS$ M 189.215

Antineoplastic drug and insect chemosterilant, immunosuppressant. Cryst. (pentane, Et_2O or C_6H_6/pet. ether). V. sol. EtOH, sol. C_6H_6, Et_2O, $CHCl_3$. Mp 52°.

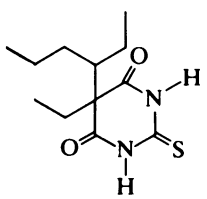
▷SZ2975000.

Cheymol, J. *et al, Biol. Med. (Paris)*, 1967, **56**, 519 (*pharmacol*)
Fedotova, L.A. *et al, Khim. Geterotsikl. Soedin.*, 1969, 570(*Engl. transl.* p. 525); *CA*, **71**, 124078s (*prep*)
Bowman, M.C., *J. Chromatogr. Sci.*, 1975, **13**, 307 (*anal, glc*)
Zon, G. *et al, Biochem. Pharmacol.*, 1976, **25**, 989 (*props, nmr*)
Karstadt, M. *et al, CA*, 1983, **98**, 1469 (*epidemiology*)
Hisozumi, H., *et al, CA*, 1983, **98**, 191392 (*tox*)
Chistyakov, V.V. *et al, Khim.-Farm. Zh.*, 1984, **18**, 1290 (*ms*)
Egorin, M.J. *et al, Cancer Treat. Rep.*, 1984, **68**, 1265 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 529.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1869.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2576.

Thiotetrabarbital, INN **T-00212**

5-Ethyl-5-(1-ethylbutyl)-2-thiobarbituric acid, 8CI. 5-Ethyl-5-(1-ethylbutyl)-2-thioxo-4,6-pyrimidinedione. Thiotetramalum

[467-38-9]



$C_{12}H_{20}N_2O_2S$ M 256.362

Spasmolytic agent, short acting narcotic agent. Mp 165°.

Na salt: [59547-51-2]. *Thionarcex. JL 1074.*

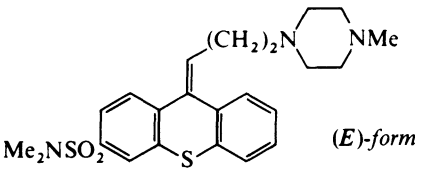
Kopp, M. *et al, Bull. Soc. Chim. Fr.*, 1951, 30 (*synth*)
Fr. Pat., 1 020 357, (*1953*); *CA*, **53**, 1389a (*synth*)
Bordet, R. *et al, Therapie*, 1958, **13**, 361 (*pharmacol*)

Bush, M.T., *Microchem. J.*, 1961, **5**, 90 (*ir*)
De Zeeuw, R.A. *et al*, *Pharm. Weekbl.*, 1969, **104**, 901 (*tlc*)

Thiothixene, BAN, USAN **T-00213**

N,N-*Dimethyl-9-[3-(4-methyl-1-piperazinyl)-propylidene]-9H-thioxanthene-2-sulfonamide*, *9CI. Navane. **Tiotixene, INN, JAN**. Navan. Navaron. NSC 108165. Orbinamon. P 4657B. CP 12252-1*

[5591-45-7]



(*E*)-*form*

$C_{23}H_{29}N_3O_2S_2$ M 443.621

Tranquilliser, neuroleptic agent. Mp 114-118°.

▷XO1400000.

Dimaleate: Mp 158-160.5°.
Dioxalate: Mp 229°.
B,HCl: [22189-31-7].

(*E*)-form [3313-27-7]

Mp 123-124.5°.

▷XO1575000.

(*Z*)-form [3313-26-6]

Mp 147.5-149°. Has greater pharmacological activity than *E-form*.

▷XO1420000.

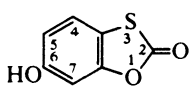
B,HCl: [58513-59-0].

Schaefer, J.P., *J. Chem. Soc., Chem. Commun.*, 1967, 743 (*struct*)
Hobbs, D.C., *J. Pharm. Sci.*, 1968, **57**, 105 (*metab*)
Weissman, A., *Psychopharmacologia*, 1968, **12**, 142 (*pharmacol*)
Muren, J.F. *et al*, *J. Med. Chem.*, 1970, **13**, 17 (*synth, isomers*)
Hobbs, D.C. *et al*, *Clin. Pharmacol. Ther.*, 1974, **16**, 473 (*pharmacol*)
Weissman, A., *Mod. Pharmacol.-Toxicol.*, 1975, **2**, 175 (*pharmacol*)
Ban, T.A., *Psychopharmacology of Thiothexene*, 1978, Raven Press, New York (*book*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7116, 7117.

Thioxolone, BAN **T-00214**

6-Hydroxy-1,3-benzoxathiol-2-one, *9CI. **Tioxolone, INN**. Acnosan "Una". Camyna. Gelacnine. HBT. Juvacneine. OL 1. OL 110. P.L. 100. Stepin. Thidoxol. Thixolone*

[4991-65-5]



$C_7H_4O_3S$ M 168.167

Formerly believed to be the 4-hydroxy isomer. Antiseborrheic, keratolytic, antifungal agent. Cryst. (H_2O). Mp 160°.

U.S.P., 2 886 488, (*1943*); *CA*, **53**, 18404
Pontlitschlo, M. *et al*, *Monatsh. Chem.*, 1950, **81**, 293.
Fiedler, H., *Chem. Ber.*, 1962, **95**, 1771.
Goeth, H. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1298 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1654.

Thiphenamil **T-00215**

S-[*2-(Diethylamino)ethyl*] *α-phenylbenzeneethanethioate*, *9CI*. S-[*2-(Diethylamino)ethyl*]-*diphenylthioacetate*, *8CI*. **Tifenamil, INN**

[82-99-5]

$Ph_2CHCOSCH_2CH_2NEt_2$

$C_{20}H_{25}NOS$ M 327.484

Smooth muscle relaxant, anticholinergic agent, corrosion inhibitor.

B,HCl: [548-68-5]. *Thiphenamil hydrochloride*, *USAN. Trocinate. Thiphen. B23. Tifen. Tiphen.* Rosettes of small needles (C_6H_6/pet. ether), large prisms (EtOH/EtOAc). Mp 129-130°.

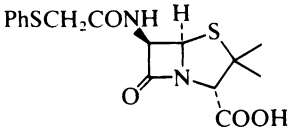
▷AH3325000.

Richardson, A.G., *J. Pharm. Sci.*, 1966, **55**, 1316 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 417.

Thiphencillin **T-00216**

3,3-Dimethyl-7-oxo-6-[[(phenylthio)acetyl]amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *9CI. **Tifencillin, INN**. St 487*

[26552-51-2]



$C_{16}H_{18}N_2O_4S_2$ M 366.449

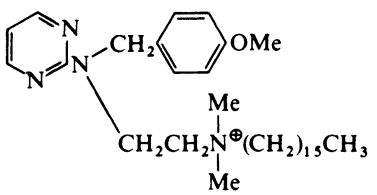
Antibiotic.

K salt: [4803-45-6]. *Thiphencillin potassium*, *USAN. Lilly 26383.* Mp 220-221°.

B.P., 818 783, (*1959*); *CA*, **54**, 9958e (*synth, pharmacol*)
Colville, J.M. *et al*, *Antimicrob. Agents Chemother.*, 1961, 600 (*props*)
Gottstein, W.J. *et al*, *J. Med. Chem.*, 1965, **8**, 794 (*synth, pharmacol*)
Zukowski, E. *et al*, *Pol. J. Pharmacol. Pharm.*, 1977, **29**, 39 (*synth, pharmacol*)

Thonzonium(1+) **T-00217**

N-[*2-[[(4-Methoxyphenyl)methyl]-2-pyrimidinylamino]ethyl*]-N,N-*dimethyl-1-hexadecanaminium*, *9CI. Hexadecyl*[*2-[(p-Methoxybenzyl)-2-pyrimidinylamino]ethyl*]*dimethylammonium*, *8CI*



$C_{32}H_{55}N_4O^{\oplus}$ M 511.813 (ion)

Detergent, antiseptic.

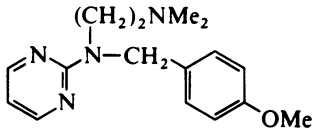
Bromide: [553-08-2]. *Thonzonium bromide*, *USAN, INN. Thonzide. Thonzylamine cetyl bromide. Tonzonium bromide*, *INN. NC 1264. NSC 5648.*
$C_{32}H_{55}BrN_4O$ M 591.717
Mp 91-92°. Component of Nebair.

U.S.P., 2 742 470, (*1956*); *CA*, **57**, 2061i (*synth, pharmacol*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13331.

Thonzylamine, BAN, INN T-00218

N-[(*4-Methoxyphenyl*)*methyl*]-N′,N′-*dimethyl*-N-*2-pyrimidinyl-1,2-ethanediamine*, *9CI*. 2-[(*2-Dimethylaminoethyl*)-(p-*methoxybenzyl*)*amino*]*pyrimidine*, *8CI*

[91-85-0]



$C_{16}H_{22}N_4O$ M 286.376

Potent antihistamine. Bp_6 202-204°, $Bp_{2.2}$ 185-187°.

▷UV8575000.

B,HCl: [63-56-9]. *Thonzylamine hydrochloride*, *INN*. *Anohist. Neohetramine. Resistab. Other synonyms.* Mp 173-176°.

▷UV8750000.

B,HBr: Mp 159-160.5°.

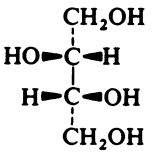
Dipicrate: Yellow needles. Mp 141-145°.

U.S.P, 2 465 865, (*1949*); *CA*, **43**, 6244
Saijo, S., *J. Pharm. Soc. Jpn.*, 1952, **72**, 1444; *CA*, **47**, 8080.
Iwasaki, T., *Nippon Yakurigaku Zasshi*, 1957, **53**, 375; *CA*, **52**, 14850e (*pharmacol*)
Shell, J.W. *et al*, *Mikrochim. Acta*, 1960, 31.
Chang, C.-J. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1019 (*cmr*)
Mossini, F. *et al*, *Farmaco, Ed. Sci.*, 1984, **39**, 189 (*synth, activity*)
Parvez, M., *Acta Crystallogr., Sect. C*, 1988, **44**, 1433.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6167.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4096.

Threitol T-00219

(R*,R*)-*1,2,3,4-Butanetetrol*, *9CI*

[7493-90-5]



(*2R,3R*)-*form* Absolute configuration

$C_4H_{10}O_4$ M 122.121

For (*R,S*)-*meso*-form see Erythritol, E-00114 .

(*2R,3R*)-*form* [2418-52-2]

D-form

Found in the edible fungus *Armellaria mellea*. Needles (EtOH). V. sol. hot EtOH. Mp 88.5-89°. $[\alpha]_D^{20}$ +4.6° (c, 6 in H_2O), −11.5° (c, 5 in EtOH).

2,3-O-Isopropylidene: 2,3-O-Isopropylidene-D-threitol.
$C_7H_{14}O_4$ M 162.185
Mp 48-51°. $Bp_{0.01}$ 91-93°. $[\alpha]_D^{26}$ −4.8° (c, 10.3 in $CHCl_3$), +3.1° (c, 10 in EtOH).

Dibenzylidene: 1,2:3,4-Di-O-benzylidene-D-threitol.
$C_{18}H_{18}O_4$ M 298.338
Mp 231-234°. $[\alpha]_D^{25}$ −79.3° (c, 0.64 in $CHCl_3$).

Tetrabenzoyl: Mp 97°.

(*2S,3S*)-*form* [2319-57-5]

L-form

Needles (EtOH). V. sol. H_2O, hot EtOH. Mp 88°. $[\alpha]_D^{20}$ −4.0° (c, 7 in H_2O), $[\alpha]_D^{27}$ +13° (c, 2 in EtOH).

Tetra-Ac:
$C_{12}H_{18}O_8$ M 290.269
$Bp_{0.05}$ 145°. $[\alpha]_D^{25}$ −32° (c, 2 in EtOH).

2,3-O-Isopropylidene: 2,3-O-Isopropylidene-L-threitol.
$C_7H_{14}O_4$ M 162.185
Mp 48-51°. $Bp_{0.01}$ 91-93°.

Dibenzylidene: 1,2:3,4-Di-O-benzylidene-L-threitol.
$C_{18}H_{18}O_4$ M 298.338
Mp 231-233°. $[\alpha]_D^{25}$ +79°.

1,4-Dimethanesulfonate: [299-75-2]. ***Treosulfan, BAN, INN***. *Amebisan. Dihydroxybusulfan. Leo 40067. NSC 39069. Threosulphan. Treoforon.*
$C_6H_{14}O_8S_2$ M 278.292
Antineoplastic agent.

▷XO8500000.

(±)-*form*

Cryst. (EtOH). V. sol. H_2O. Mp 72°.

Tetra-Ac: Mp 54-55°.

Dibenzylidene: 1,2:3,4-Di-O-benzylidene-DL-threitol.
$C_{18}H_{18}O_4$ M 298.338
Mp 221-223°.
$C_4H_8O_3$ M 104.105

Maquenne, L., *C. R. Hebd. Seances Acad. Sci.*, 1900, **130**, 1402.
Ness, R.K. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4759.
Jeanes, A. *et al*, *J. Org. Chem.*, 1955, **20**, 1565.
Institoris, L. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 145 (*pharmacol*)
Feit, P.W. *et al*, *J. Med. Chem.*, 1970, **13**, 1173 (*reaction*)
Hilden, J. *et al*, *J. Antibiot.*, 1976, **29**, 58 (*use*)
Bourson, J. *et al*, *Bull. Soc. Chim. Fr.*, 1977, 1241.
Double, J.A. *et al*, *Br. J. Cancer*, 1983, **48**, 739 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1871.

4-L-Threonineoxytocin, 9CI T-00220

Treoxytocin. [*Thr*^{4}]*Oxytocin*

[26995-91-5]

$C_{42}H_{65}N_{11}O_{12}S_2$ M 980.162

Analogue of oxytocin possessing higher activity.

Manning, M. *et al*, *Biochemistry*, 1970, **9**, 3925 (*synth, pharmacol*)
Manning, M. *et al*, *J.. Med. Chem.*, 1976, **19**, 376.
Khan, S.A. *et al*, *Int. J. Pept. Protein Res.*, 1978, **12**, 164 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13368.

Thrombin T-00221

Thrombinar. Thrombostat. Topostasin. Zimotrombina

[9002-04-4]

Serine proteinase present in blood plasma in the form of prothrombin. Local haemostatic agent.

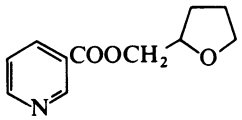
▷XO8950000.

Lundbald, R.L. *et al*, *Methods Enzymol.*, 1976, **45**, 156 (*rev, purifn, props*)
Workman, E.F. *et al*, *CRC Handb. Ser. Clin. Lab. Sci., Sect. I*, 1980, **3**, 149 (*rev, detn, props*)
Detwiler, T.C. *et al*, *Adv. Exp. Med. Biol.*, 1985, **192**, 15 (*rev*)
Machovich, R., *Acta Biochim. Biophys. Acad. Sci. Hung.*, 1985, **20**, 135 (*rev, metab*)
Fenton, J.W. *et al*, *Semin. Thromb. Hemostasis*, 1986, **12**, 200 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1250.

Thurfyl nicotinate, BAN T-00222

3-Pyridinecarboxylic acid (tetrahydro-2-furanyl)methyl ester, 9CI. Tetrahydrofurfuryl nicotinate, 8CI. Trafuril. Nicotafuryl

[70-19-9]



$C_{11}H_{13}NO_3$ M 207.229

(±)-form

Topical vasodilator, antirheumatic. Yellow oily liq. Sol. H_2O. $Bp_{0.25}$ 114-116°.

U.S.P., 2 485 152, (*1950*); *CA*, **44**, 5549
Soendergaard, J. *et al*, *Br. J. Dermat.*, 1970, **82**, 14 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9279.

Thymocartin, INN T-00223

N-[N-(N^2-*L-Arginyl-L-lysyl*)-*L-α-aspartyl*]-*L-valine, 9CI. TP4*

[85466-18-8]

Arg-Lys-Asp-Val

$C_{21}H_{40}N_8O_7$ M 516.596

Thymopentin analogue. Immunostimulant. $[\alpha]_D^{22}$ −24.8° (c, 0.8 in 10% AcOH).

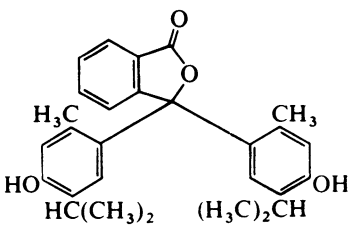
1-Me ester: [85465-88-9].
$C_{22}H_{42}N_8O_7$ M 530.623
$[\alpha]_D^{22}$ −28.3° (c, 0.8 in 10% AcOH).

Kisfaludy, O.N. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1983, **364**, 933 (*synth*)
Heavner, G.A. *et al*, *Arch. Biochem. Biophys.*, 1985, **242**, 248 (*synth*)
Szende, B. *et al*, *J. Immunopharmacol.*, 1985, **7**, 67 (*pharmacol*)
Denes, L. *et al*, *Drugs Exp. Clin. Res.*, 1987, **13**, 279.
Denes, L. *et al*, *Immunopharmacol. Immunotoxicol.*, 1987, **9**, 1, 19 (*activity*)

Thymolphthalein T-00224

3,3-Bis[4-hydroxy-2-methyl-5-(1-methylethyl)phenyl]-1(3H)-isobenzofuranone, 9CI. 5′,5″-Diisopropyl-2′,2″-dimethylphenolphthalein

[125-20-2]



$C_{28}H_{30}O_4$ M 430.543

Indicator, laxative. Cryst. (EtOH). Mp 246-247°.

Willstätter, R. *et al*, *Ber.*, 1923, **56**, 488.
Hubacher, H.H. *et al*, *J. Am. Pharm. Assoc.*, 1953, **42**, 23.
Russ. Pat., 159 539, (*1962*); *CA*, **60**, 14441

Thymopentin, USAN, INN T-00225

N-[N-[N-(N^2-*L-Arginyl-L-lysyl-L-α-asparty*l]-*L-valyl*]-*L-tyrosine, 9CI. Thymopoietin 32-36. Immunox. Sintomodulina. Timunox. ORF 15244. TP-5*

[69558-55-0]

L-Arg-L-Lys-L-Asp-L-Val-L-Tyr

$C_{30}H_{49}N_9O_9$ M 679.772

Immunoregulator.

Belgian Pat., 864 121, (*1978*); *CA*, **90**, 122058d (*synth, pharmacol*)
Goldstein, G. *et al*, *Science*, 1979, **204**, 1309 (*synth, pharmacol*)
Krisna, N.R. *et al*, *Appl. Spectrosc.*, 1980, **34**, 460 (*nmr*)
Wilson, K.J., *Chimia*, 1981, **35**, 329 (*hplc*)

Thymopoietin, 9CI T-00226

Thymin (hormone)

[60529-76-2]

H-W-X-Phe-Leu-Glu-Asp-Pro-Ser-Val-Leu-Thr-Lys-Glu-Lys-Leu-Lys-Ser-Glu-Leu-Val-Ala-Asn-Asn-Val-Thr-Leu-Pro-Ala-Gly-Glu-Gln-Arg-Lys-Y-Val-Tyr-Val-Glu-Leu-Tyr-Leu-Gln-Z-Leu-Thr-Ala-Leu-Lys-Arg-OH. Thymopoietin I: W = Gly, X = Gln, Y = Asp, Z = His, II: W = Pro, X = Glu, Y = Asp, Z = Ser, III: W = Pro, X = Glu, Y = Glu, Z = His

Polypeptide hormone discovered by its effect on neuromuscular transmission. Induces T-lymphocyte differentiation and affects immunoregulatory balance.

Thymopoietin I [66943-28-0]
1-Glycine-2-glutamine-43-histidinethymopoietin II, 9CI
$C_{250}H_{410}N_{68}O_{75}$ M 5568.400
Isol. from bovine thymus. Fluffy powder. $[\alpha]_D^{21}$ −78.4° (c, 0.3 in AcOH aq.).

Thymopoietin II, 9CI [56996-26-0]
$C_{251}H_{412}N_{64}O_{78}$ M 5574.398

From bovine thymus.

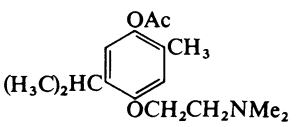
Thymopoietin III [79103-34-7]
34-Glutamic acid-43-histidinethymopoietin II, 9CI
$C_{255}H_{416}N_{66}O_{77}$ M 5638.487
From bovine spleen. Fluffy powder. $[\alpha]_D^{21}$ −81.2° (c, 0.3 in AcOH aq.).

Audhya, T. *et al*, *Biochemistry*, 1981, **20**, 6195 (*struct, bibl*)
Abiko, T. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 1583; 1986, **34**, 2133 (*synth*)
Audhya, T. *et al*, *Proc. Natl. Acad. Sci. USA*, 1987, **84**, 3545 (*isol*)

Thymoxamine, BAN T-00227

*4-[2-(Dimethylamino)ethoxy]-2-methyl-5-(1-methylethyl)phenol acetate, 9CI. 5-[2-(Dimethylamino)-ethoxy]carvacrol acetate, 8CI. 4-(2-Dimethylaminoethoxy)-5-isopropyl-2-methylphenyl acetate. **Moxisylyte, INN**. Arlytene. Sympal. Vasoklin. Other synonyms*

[54-32-0]



$C_{16}H_{25}NO_3$ M 279.378

Peripheral vasodilator, adrenergic blocker.

▷FI1575000.

B,HCl: [964-52-3]. *Carlytene. Opilon.* Mp 208-210°.

▷FI1600000.

Fr. Pat., 1 313 297, (*1962*); *CA*, **59**, 2720c (*synth*)
Arbab, A.G. *et al*, *J. Pharm. Pharmacol.*, 1970, **22**, 532 (*pharmacol*)
Feniou, C. *et al*, *J. Pharm. Pharmacol.*, 1980, **32**, 104 (*metab*)
Vollmer, K.O. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1985, **10**, 61, 71, 139 (*metab*)
Carpy, A. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 75 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9280.

Thyroglobulin, INN, USAN T-00228

Proloid. Thyractin. Thyroprotein

[9010-34-8]

Obt. from thyroid glands of *Sus scrofa* (hog). Contains >0.7% total iodine. Thyroid hormone.

Pavlovic-Hournac, M. *et al*, *Horm. Metab. Res.* 1974, **6**, 169 (*metab*)
Burman, K.D., *Metab. Clin. Exp.*, 1978, **27**, 615 (*rev*)
Edelhoch, H. *et al*, *Thyroid, 4th Ed.*, 1978, 62 (*rev, chem, biosynth*)
Cody, V., *Endocr. Res.*, 1984, **10**, 73 (*rev, synth*)
Lissitzky, S., *J. Endocrinol. Invest.*, 1984, **7**, 65 (*rev, props, struct*)
Vassart, G. *et al*, *Mol. Cell. Endocrinol.*, 1985, **40**, 89 (*struct, form*)

Thyroliberin T-00229

*5-Oxo-L-prolyl-L-histidyl-L-prolinamide, 9CI. Thyrotropin-releasing factor. L-Pyroglutamyl-L-histidyl-L-prolinamide. **Protirelin, INN, BAN, USAN, JAN**. Thypinone. Relefact-TRH. TSH-releasing hormone. TRH. TRF. Lopremone. Prothyrotropin. Tyroliberin. Numerous other synonyms*

[24305-27-9]

pyroGlu-His-Pro-NH_2

$C_{16}H_{22}N_6O_4$ M 362.388

Hypothalamic hormone which controls the secretion of thyrotropic hormone from the anterior pituitary gland. Thyrotropin-relasing hormone, diagnostic aid, antidepressant. Hygroscopic powder. $[\alpha]_D^{25}$ −50° (c, 1.5 in H_2O), −65.5° (c, 1.0 in H_2O) (monohydrate).

▷TW3580000.

B,HCl: [32946-40-0]. Cryst. (MeOH/Et_2O). Mp 180° (softens), 200° (darkens), 250° dec. $[\alpha]_D^{22}$ −42.4° (c, 1.0 in MeOH).

B,AcOH: [25575-91-1]. $[\alpha]_D^{25}$ −44.8° (c, 1.0 in 95% AcOH).

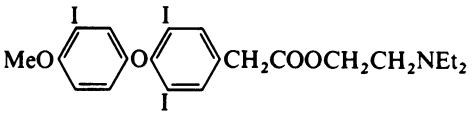
Tartrate: Protirelin tartrate, JAN.

Schally, A.V. *et al*, *Biochem. Biophys. Res. Commun.*, 1966, **25**, 165 (*isol*)
Flouret, G., *J. Med. Chem.*, 1970, **13**, 843 (*synth, ms, pmr*)
Gillessen, D. *et al*, *Helv. Chim. Acta*, 1970, **53**, 63; 1971, **54**, 1335.
Nair, R.M.G. *et al*, *Biochemistry*, 1970, **9**, 1103 (*struct*)
Beyerman, H.C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1971, **90**, 791 (*synth, ms*)
Chang, J-K. *et al*, *J. Med. Chem.*, 1971, **14**, 481, 484 (*synth, ms*)
Desiderio, D.M. *et al*, *Org. Mass Spectrom.*, 1971, **5**, 221 (*ms, struct*)
Enzmann, F. *et al*, *J. Med. Chem.*, 1971, **14**, 469 (*synth, pmr, ir, ms*)
Inouye, K. *et al*, *Bull. Chem. Soc. Jpn.*, 1971, **44**, 1689 (*synth*)
Voelter, W. *et al*, *Z. Naturforsch., B*, 1975, **30**, 142 (*cd*)
Bertaccini, G., *Handb. Exp. Pharmacol.*, 1982, **59**, 161 (*rev*)
Griffiths, E.C. *et al*, *Thyrotropin-Releasing Hormone*, Ed. Raven Press, N.Y. 1983.
Stezowski, J.J. *et al*, *Pept.: Struct. Funct., Proc. Am. Pept. Symp. 8th*, 1983, 809 (*biol activity, cryst struct*)
Wass, J.A. *et al*, *Basic Clin. Endocrinol.*, 1983, **3**, 333 (*rev*)
Matsuda, F. *et al*, *Tetrahedron*, 1985, **41**, 3625 (*synth*)
Prasad, C., *Handb. Neurochem.*, (*2nd Ed.*), 1985, **8**, 175 (*rev, metab*)
Ward, D.J. *et al*, *Int. J. Pept. Protein Res.*, 1986, **27**, 461 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5945.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4102.

Thyromedan T-00230

*3,5-Diodo-4-(3-iodo-4-methoxyphenoxy)benzeneacetic acid 2-(diethylamino)ethyl ester, 9CI. 2-(Diethylamino)-ethyl [3,5-diiodo-4-(3-iodo-4-methoxyphenoxy)-phenyl]acetate, 8CI. **Tyromedan, INN***

[15301-96-9]



$C_{21}H_{24}I_3NO_4$ M 735.138

Thyromimetic drug, antihypercholesteraemic agent.

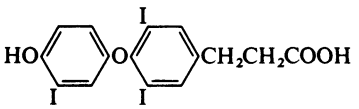
B,HCl: [57-65-8]. *Thyromedan hydrochloride, USAN. SKF 13364-A.* Mp 189-191°.

Blank, B. *et al*, *J. Med. Chem.*, 1963, **6**, 560 (*synth, pharmacol*)
Danowski, T.S. *et al*, *Clin. Pharmacol. Ther.*, 1966, **7**, 482 (*metab*)

Thyropropic acid, INN T-00231

4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzenepropanoic acid, 9CI. 4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodohydrocinnamic acid, 8CI. Atralose. Birodan. Triopron. Triprop. TP_3. W 1525

[51-26-3]



$C_{15}H_{11}I_3O_4$ M 635.963

Anticholesterolaemic agent used in thyroid replacement therapy. Mp 200°.

Bjorksten, F. *et al*, *Acta Chem. Scand.*, 1961, **15**, 1165 (*chromatog*)
Flock, E.V. *et al*, *Biochem. Pharmacol.*, 1962, **11**, 627 (*metab*)
Hoefer, A. *et al*, *J. Med. Chem.*, 1964, **7**, 326 (*synth*)
Sammul, O.R. *et al*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918 (*ir*)
Dupont, J. *et al*, *Steroids*, 1967, **10**, 1 (*pharmacol*)
Camerman, N. *et al*, *Nature (London)*, 1975, **253**, 50 (*nmr*)

Thyrotrophin, BAN, INN T-00232

Thyrotropic hormone, 9CI. Thyrotropin. Pretiron. Thytropar. Thyroid-stimulating hormone. Thyreotrophic hormone. TSH. TTH

[9002-71-5]

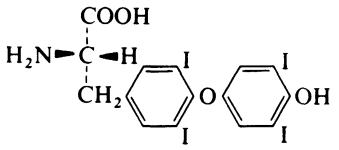
Bovine TSH consists of 2 chains; TSH-α (with 96 amino acid residues and MW ~13,600) and TSH-β (containing 112-113 residues, MW ~14,700). TSH-α contains two oligosaccharide moieties, TSH-β one. Prod. by the anterior lobe of the pituitary gland. Appears to be essential for the correct functioning of the thyroid gland. Stimulates the production of thyroxine. Biological activity is destroyed by heating and by proteolysis with pepsin, trypsin and chymotrypsin. Also inactivated by oxidising agents, e.g. $KMnO_4$, I_2.

▷XP3581600.

Liao, T-H. *et al*, *J. Biol. Chem*, 1971, **246**, 850.
Shome, B. *et al*, *J. Biol. Chem*, 1971, **246**, 833.
Sairam, M.R. *et al*, *Can. J. Biochem.*, 1977, **55**, 755 (*isol*)
Pierce, J.G., *Thyroid, 4th Ed.*, 1978, 179 (*struct, props, rev*)
Condliffe, P.G. *et al*, *Horm. Blood, 3rd Ed.*, 1979, **1**, 499 (*rev, props, metab*)
Ramachandran, J. *et al*, *Annu. Rev. Clin. Biochem.*, 1980, **1**, 287 (*rev*)
Rathnam, P., *Basic Clin. Endocrinol.*, 1981, **1**, 21 (*rev, biol activity*)
Dracopoli, N.C. *et al*, *Proc. Natl. Acad. Sci. USA*, 1986, **83**, 1822 (*cloning*)
Menezes-Ferreira, M.M., *Endocrinology*, 1986, **118**, 2125 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5947.

Thyroxine T-00233

O-(*4-Hydroxy-3,5-diiodophenyl*)-*3,5-diiodotyrosine*, *9CI*



(*S*)-*form* Absolute configuration

$C_{15}H_{11}I_4NO_4$ M 776.874

^{125}I and ^{131}I labelled compds. are used as radioactive agents.

▷YP2833500.

(*R*)-*form* [51-49-0]

Dextrothyroxine, BAN. *Deketrol. Other synonyms*

Antihyperlipoproteinaemic. Mp 237° (dec.). $[\alpha]^{21}_{5461}$+2.97° (EtOH/NaOH).

Na salt: [137-53-1]. *Dextrothyroxine sodium, USAN, INN. Choloxin.*

▷XP3582990.

(*S*)-*form* [51-48-9]

Thyromimetic, anticholesteraemic. Mp 235°. $[\alpha]_{5461}$−4.45° (EtOH/NaOH).

▷YP2833500.

Na salt: [55-03-8]. *Levothyroxine sodium, USAN. Other synonyms*. Triclinic cryst. or cream-coloured powder (pentahydrate). $[\alpha]^{20}_{D}$ −4.4° (c, 3 in EtOH). Component of Liotrix, USAN, Euthroid and Thyrolar.

▷XP3583000.

(±)-*form* [300-30-1]

Isol. from thyroid gland. Needles by addn. of AcOH to alk. EtOH aq. soln. V. spar. sol. H_2O, insol. org. solvs., sol. NH_3 and alc. alkalis. Mp 231-233° (darkens at 220°, dec. at 250°).

Me ester:
$C_{16}H_{13}I_4NO_4$ M 790.901
Prisms (EtOH aq.). Spar. sol. H_2O most org. solvs. Mp 156°.

Me ester, B,HCl: Needles (EtOH/HCl). Mp 221.5°.

Me ester, Me ether:
$C_{17}H_{15}I_4NO_4$ M 804.928
Mp 224°.

Me ester, Me ether, N-*Ac:*
$C_{19}H_{17}I_4NO_5$ M 846.965
Plates (anisole). Mp 208-209° dec.

Me ester, Me ether, N-*chloroacetyl:* Prisms (C_6H_6). Mp 159-160°.

N-*Ac:*
$C_{17}H_{13}I_4NO_5$ M 818.911
Cryst. (AcOH aq.). Mp 210-215° dec.

Et ester, N-*di-Ac:*
$C_{21}H_{19}I_4NO_6$ M 889.002
Needles. Mp 216-217° (230°).

N-*Chloroacetyl:* Cryst. (AcOH aq.). Mp 201-202° dec.

N-*Formyl:*
$C_{16}H_{11}I_4NO_5$ M 804.885
Cryst. (Me_2CO). Mp 216°.

Harington, C.R., *Biochem. J.*, 1926, **20**, 293; 1927, **21**, 169; 1928, **22**, 1429, 1436; 1929, **23**, 1178; 1930, **24**, 456; 1934, **28**, 68.
Chalmers, J.R. *et al*, *J. Chem. Soc.*, 1949, 3424 (*synth*)
Hems, B.A., *Chem. Ind. (London)*, 1950, 663
Joel, N. *et al*, *Acta Crystallogr.*, 1951, **4**, 283 (*cryst struct*)
Nahm, H. *et al*, *Chem. Ber.*, 1963, **96**, 1 (*synth*)
Post, A. *et al*, *Anal. Profiles Drug Subst.*, 1976, **5**, 225 (*rev, Na salt, prop, synth, metab*)
Cody, V., *Acta Crystallogr., Sect. B*, 1981, **37**, 1685 (*conformn, cryst struct*)
Hay, I.D. *et al*, *J. Chromatogr.*, 1981, **226**, 383 (*resoln*)
De Mayer, P., *Thyroid Dis.*, 1983, 23 (*detn*)
Dratman, M.B. *et al*, *Neurol. Neurobiol.*, 1984, **85**, 425 (*use*)
Ong, R.L. *et al*, *Biochem. Int.*, 1985, **10**, 803 (*nmr, conformn*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3429, 3430.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9004, 9008.

[Thz^7]Oxytocin T-00234

7-L-4-Thiazolidinecarboxylic acid oxytocin, *9CI*

[59095-56-6]

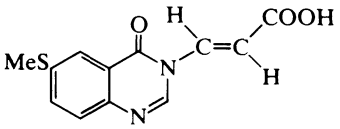
$C_{42}H_{64}N_{12}O_{12}S_3$ M 1025.221

Thz = thiazolidine-4-carboxylic acid. Analogue of oxytocin with greater activity. $[\alpha]^{23}_{D}$ −26.1° (c, 0.5 in 1*N* AcOH).

Rosamond, J.D. *et al*, *J. Med. Chem.*, 1976, **19**, 873 (*synth, pharmacol*)
Barber, M. *et al*, *Int. J. Peptide Protein Res.*, 1977, **9**, 269 (*synth*)

Tiacrilast, INN, USAN T-00235

3-[6-(Methylthio)-4-oxo-3(4H)-quinazolinyl]-2-propenoic acid. 6-(Methylthio)-4-oxo-3(4H)-quinazolineacrylic acid



(*E*)-*form*

$C_{12}H_{10}N_2O_3S$ M 262.283

(*E*)-*form* [78299-53-3]

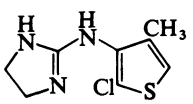
Antiallergic agent. Mp 272-274°.

LeMahieu, R.A. *et al*, *J. Med. Chem.*, 1983, **26**, 420 (*synth, pharmacol*)
Pao, J. *et al*, *J. Chromatogr.*, 1983, **276**, 329 (*hplc*)
Welton, A.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1984, **228**, 57 (*pharmacol*)
Welton, A.F. *et al*, *Agents Actions*, 1986, **18**, 313 (*rev*)

Tiamenidine, BAN, INN T-00236

N-(*2-Chloro-4-methyl-3-thienyl*)-*4,5-dihydro-1H-imidazol-2-amine*, *9CI*. *2-[(2-Chloro-4-methyl-3-thienyl)-amino]-2-imidazoline*, *8CI*

[31428-61-2]



$C_8H_{10}ClN_3S$ M 215.700

Antihypertensive agent. Cryst. (methylcyclohexane/C_6H_6). Mp 152°.

B,HCl: [51274-83-0]. *Tiamenidine hydrochloride,* USAN. *Hoechst 440. Hoechst 42-440. Sundralen. Symcor.* Cryst. (2-propanol/pet. ether). Mp 228-229°.

▷NJ2465000.

Ger. Pat., 1 941 761, (*1971*); *CA*, **74**, 100054s (*synth*)
Kershing, F., *Arzneim.-Forsch.*, 1973, **23**, 1657 (*pharmacol*)
Fehlhaber, H.W. *et al*, *Biomed. Mass Spectrom.*, 1978, **5**, 188 (*ms*)
Carpy, A. *et al*, *Mol. Pharmacol.*, 1982, **21**, 400 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13336.

Tiametonium(2+) T-00237

(Thiodiethylene)bis(ethyldimethylammonium). 2,2'-Thiobis[N-*ethyl*-N,N-*dimethyl*]*ethanaminium,* 9CI

$Me_2N^{\oplus}EtCH_2CH_2SCH_2CH_2N^{\oplus}EtMe_2$

$C_{12}H_{30}N_2S^{\oplus\oplus}$ M 234.442 (ion)
Ganglioplegic agent.

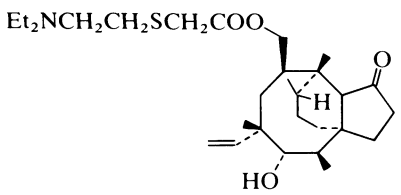
Diiodide: [10433-71-3]. *Tiametonium iodide,* INN. *Thiameton.*
$C_{12}H_{30}I_2N_2S$ M 488.251
Mp 262° dec.

Dan. Pat., 83 260, (*1957*); *CA*, **53**, 11230i (*synth*)
Fakstrop, J. *et al*, *Acta Pharmacol. Toxicol.*, 1957, **13**, 359 (*pharmacol*)

Tiamulin, BAN, USAN, INN T-00238

Dynalin

[55297-95-5]



$C_{28}H_{47}NO_4S$ M 493.744
Veterinary antibiotic.

▷AG9552000.

Fumarate: [55297-96-6]. *Tiamulin fumarate,* USAN. *Denegard. Dynalin. Dynamutilin. 81723 nFu. SQ 22947. Tiamutin.* Cryst. (Me_2CO). Mp 147-148°.

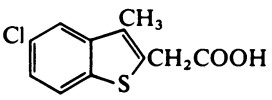
▷AG9560000.

U.S.P., 3 919 290, (*1973*); *CA*, **79**, 65901v
Egger, H. *et al*, *J. Antibiot.*, 1976, **29**, 923 (*synth*)
Werner, H. *et al*, *J. Antibiot.*, 1978, **31**, 756 (*activity*)
Dreyfuss, J. *et al*, *J. Antibiot.*, 1979, **32**, 496 (*metab*)
Hoegenauer, G., *Antibiotics (N.Y.)*, 1979, **5**, 344 (*rev*)
Ziv, G. *et al*, *J. Vet. Pharmacol. Ther.*, 1983, **6**, 23 (*pharmacol*)
Schulz, G. *et al*, *Tetrahedron*, 1984, **40**, 905 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13337.

Tianafac, INN T-00239

5-Chloro-3-methylbenzo[b]*thiophene-2-acetic acid,* 9CI. *L 8109*

[51527-19-6]



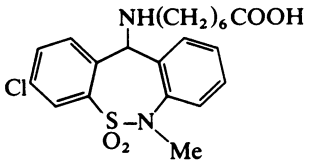
$C_{11}H_9ClO_2S$ M 240.704
Antipyretic, antiinflammatory agent. Cryst. (C_6H_6/EtOH). Mp 178°.

Ger. Pat., 2 328 060, (*1973*); *CA*, **80**, 59856p (*synth, pharmacol*)
Colot, M. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1974, **208**, 328 (*pharmacol, tox*)

Tianeptine, INN T-00240

7-[*(3-Chloro-6,11-dihydro-6-methyldibenzo*[c,f][*1,2*]*-thiazepin-11-yl)amino*]*heptanoic acid* S,S-*dioxide,* 9CI. *Stablon. S 1574*

[66981-73-5]



$C_{21}H_{25}ClN_2O_4S$ M 436.953
Antidepressant.

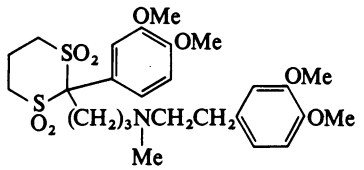
Na salt: [30123-17-2].

Malen, C.E. *et al*, *Experientia*, 1972, **28**, 811 (*pharmacol, deriv*)
Japan. Pat., 78 05 661, (*1978*); *CA*, **89**, 43155j (*synth*)
Poignant, J.C., *Dev. Psychiatry*, 1981, **5**, 573 (*pharmacol*)
Balem, M.P. *et al*, *Dev. Psychiatry*, 1981, **5**, 589 (*glc*)
Campbell, D.B. *et al*, *Dev. Psychiatry*, 1981, **5**, 585 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17007.

Tiapamil, BAN, INN T-00241

*2-(3,4-Dimethoxyphenyl)-*N-[*2-(3,4-dimethoxyphenyl)-ethyl*]-N-*methyl-1,3-dithiane-2-propanamine 1,1,3,3-tetraoxide,* 9CI. *3,4-Dimethoxyphenethyl-*[*3-*[*2-(3,4-dimethoxyphenyl)-1,3-dithian-2-yl*]*propyl*]*methylamine* S,S,S',S'-*tetraoxide. Dimeditiapramine. Larocord. Verocainine*

[57010-31-8]



$C_{26}H_{37}NO_8S_2$ M 555.700
Coronary vasodilator; calcium antagonist.

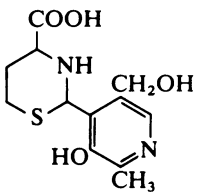
B,HCl: [57010-32-9]. *Tiapamil hydrochloride,* USAN. Cryst. ($MeCN/Me_2CO$). Mp 167-169°.

Ger. Pat., 2 460 593, (*1975*); *CA*, **83**, 179076t (*synth, pharmacol*)
Ramuz, H., *Arzneim.-Forsch.*, 1978, **28**, 2048 (*synth, pharmacol, metab*)
Haeusler, G. *et al*, *Cardiology, Suppl. 1*, 1982, **69**, 31 (*tox*)
Harada, S. *et al*, *Eur. J. Pharmacol.*, 1982, **78**, 7 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13338.

Tiapirinol, INN T-00242

Tetrahydro-2-[*3-hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridyl*]-2H-*1,3-thiazine-4-carboxylic acid,* 9CI. *Pyridoxal-homocysteine. Actoxal*

[14785-50-3]



$C_{12}H_{16}N_2O_4S$ M 284.329

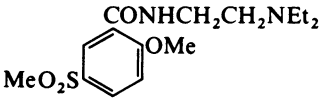
Vitamin B_6 analog. Mp 128-130°, Mp 159-160° (dimorph.).

Danno, T. *et al*, *Bitamin*, 1967, **35**, 322 (*pharmacol*)
Masukawa, K. *et al*, *Bitamin*, 1967, **35**, 308 (*phys props*)
Okumura, K. *et al*, *Bitamin*, 1967, **35**, 301 (*synth, uv, nmr*)

Tiapride, BAN, INN **T-00243**

N-[2-(Diethylamino)ethyl]-2-methoxy-5-(methylsulfonyl)benzamide, 9CI. Melsulpridum. Other synonyms

[51012-32-9]



$C_{15}H_{24}N_2O_4S$ M 328.426

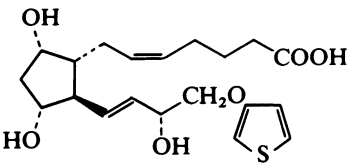
Psychotropic, antidyskinetic. Cryst. Mp 121°.

Fr. Pat., 2 305 176, (*1976*); *CA*, **87**, 134709t (*synth*)
Morgan, K.T. *et al*, *Experientia*, 1977, **33**, 1485 (*metab*)
Neuman, M., *Drugs of Today*, 1977, **13**, 339 (*rev, pharmacol*)
Strolin-Benedetti, M. *et al*, *Ann. Pharm. Fr.*, 1978, **36**, 279 (*metab, pharmacol*)
Blaton, N.M. *et al*, *Cryst. Struct. Commun.*, 1982, **11**, 1357 (*cryst struct*)
Houttemane, C. *et al*, *Acta Crystallogr., Sect. C*, 1983, **39**, 585 (*cryst struct*)
Israel, S., *Arg. Med. Drug. Ser.*, 1985, **5** (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13339.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3762.

Tiaprost, INN **T-00244**

7-[3,5-Dihydroxy-2-[3-hydroxy-4-(3-thienyloxy)-1-butenyl]cyclopentyl]-5-heptenoic acid, 9CI. HR 837. Iliren

[71116-82-0]



$C_{20}H_{28}O_6S$ M 396.498

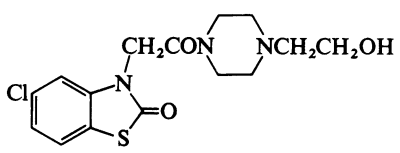
Prostaglandin.

Ger. Pat., 2 524 955, (*1977*); *CA*, **87**, 22549 (*synth*)
Bartmann, W. *et al*, *Prostaglandins*, 1979, **17**, 301 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8097.

Tiaramide, BAN, INN **T-00245**

4-[(5-Chloro-2-oxo-3(2H)-benzothiazolyl)acetyl]-1-piperazineethanol, 9CI, 8CI. 5-Chloro-3-[4-(2-hydroxyethyl)piperazin-1-ylformylmethyl]-2(3H)-benzothiazolone

[32527-55-2]



$C_{15}H_{18}ClN_3O_3S$ M 355.839

Antiinflammatory, analgesic, antiasthmatic agent. pK_a 6.2.

B,HCl: [35941-71-0]. *Tiaramide hydrochloride, USAN, JAN. Solantal. Aricodon. Roimitin. Royzolon. Ventaval. NTA 194. FK 1160.* V. sol. H_2O, sl. sol. org. solvs. Mp 159-161°. Bitter tasting.

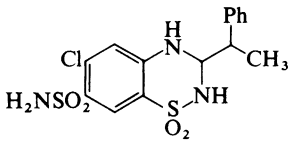
▷TL7050000.

Tsurumi, K. *et al*, *Arzneim.-Forsch.*, 1972, **22**, 724 (*pharmacol*)
U.S.P., 3 661 921, (*1972*); *CA*, **77**, 114407h (*synth*)
Watanabe, N. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 504 (*tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2710.

Tiazofurine, INN, USAN **T-00246**

2-β-D-Ribofuranosyl-4-thiazolecarboxamide, 9CI. Riboxamide. CI 909. ICN 4221. NSC 286193

[60084-10-8]



$C_9H_{12}N_2O_5S$ M 260.264

Antitumour agent showing broad-spectrum antiviral activity. Light-yellow needles (EtOH/EtOAc). Mp 145-146°. $[\alpha]_D^{25}$ −9° (c, 0.5 in EtOH).

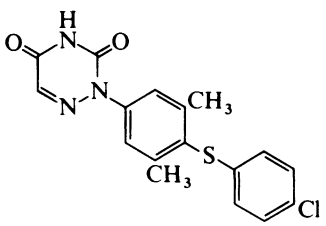
▷XJ3600000.

Fuertes, M. *et al*, *J. Org. Chem.*, 1976, **41**, 4074 (*synth*)
Srivastava, P. *et al*, *J. Med. Chem.*, 1977, **20**, 256 (*synth, pmr*)
Robins, R.K. *et al*, *J. Med. Chem.*, 1977, **25**, 107 (*pharmacol*)
Goldstein, B.M. *et al*, *J. Am. Chem. Soc.*, 1983, **105**, 7416 (*cryst struct, abs config*)
Kirsi, J.J. *et al*, *Antimicrob. Agents Chemother.*, 1983, **24**, 253 (*use*)
Jayaram, H. *et al*, *Dev. Cancer Chemother.*, 1984, 115; *Invest. New Drugs*, 1984, **2**, 79 (*revs*)
Boritzki, T.J. *et al*, *Biochem. Pharmacol.*, 1985, **34**, 1109 (*rev*)
Hennen, W.J. *et al*, *J. Org. Chem.*, 1985, **50**, 1741 (*synth*)

Tiazuril, USAN, INN **T-00247**

2-[4-[(4-Chlorophenyl)thio]-3,5-dimethylphenyl]-1,2,4-triazine-3,5(2H,4H)-dione, 9CI. CP 25673

[35319-70-1]



$C_{17}H_{14}ClN_3O_2S$ M 359.830

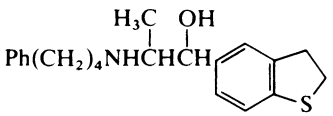
Coccidiostat for poultry. Cryst. (MeCN). Mp 132-135°.

B.P., 1 371 907, (*1972*); *CA*, **77**, 164712z (*synth, pharmacol*)
Lynch, M.J. *et al*, *J. Agric. Food Chem.*, 1977, **25**, 1344 (*metab*)
Miller, M.W. *et al*, *J. Med. Chem.*, 1981, **24**, 1337 (*synth, pharmacol*)

Tibalosin, INN **T-00248**

2,3-Dihydro-α-[1-[(4-phenylbutyl)amino]ethyl]-benzo[b]thiophene-5-methanol, 9CI. Tibalosine. CP 804 S

[63996-84-9]



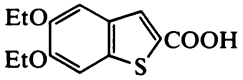
$C_{21}H_{27}NOS$ M 341.510

Anxiolytic. Antihypertensive. Vasodilator.

Ger. Pat., 2 651 572, (*1977*); *CA*, **87**, 117766 (*synth*)

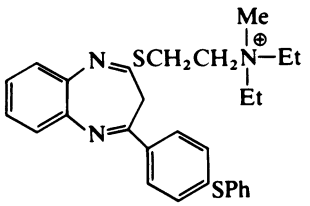
Fr. Pat., 2 370 472, (*1978*); *CA*, **90**, 22815e (*synth*)
Qian, J.Q. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1983, **266**, 264 (*pharmacol*)
Chatelain, P. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1984, **268**, 271 (*pharmacol*)
Chatelain, P. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 754 (*pharmacol*)
Bovy, P. *et al*, *IRCS Med. Sci.*, 1986, **14**, 773 (*resoln, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1259.

Tibenelast, INN **T-00249**
5,6-Diethoxybenzo[b]*thiophene-2-carboxylic acid*, *9CI*
[97852-72-7]



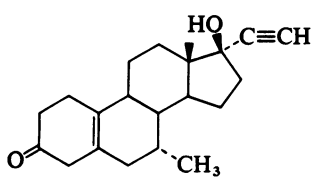
$C_{13}H_{14}O_4S$ M 266.311
Antiasthmatic agent, bronchodilator. Needles (EtOH aq.). Mp 243-245°.
Na salt: [105102-18-9]. *Tibenelast sodium, USAN. LY 186655.*
Ger. Pat., 3 433 475, (*1985*); *CA*, **103**, 92840v (*synth, pharmacol*)

Tibezonium(1+) **T-00250**
N,N-*Diethyl*-N-*methyl*-2-[[4-[4-(*phenylthio*)*phenyl*]-3H-*1,5-benzodiazepin*-2-*yl*]*thio*]*ethanaminium*, *9CI*. *Diethylmethyl*[2-[[4-[p-(*phenylthio*)*phenyl*]-3H-*1,5-benzodiazepin*-2-*yl*]*thio*]*ethyl*]*ammonium*



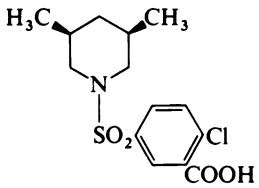
$C_{28}H_{32}N_3S_2^{\oplus}$ M 474.701 (ion)
Bactericide.
Iodide: [54663-47-7]. *Tibezonium iodide, INN. Antoral. Maxius. Rec 15/0691.* Cryst. (2-propanol). Mp 162°.
▷KH2770000.
Nardi, D. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 248 (*synth, pharmacol*)
Nardi, D. *et al*, *Experientia*, 1975, **31**, 440 (*pharmacol, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13341.

Tibolone, BAN, USAN, INN **T-00251**
17-Hydroxy-7-methyl-19-norpregn-5(10)-en-20-yn-3-one, *9CI*. *Livial. 7α-Methylnoretynodrel. Org OD 14*
[5630-53-5]



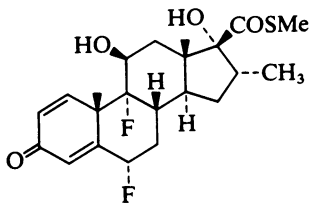
$C_{21}H_{28}O_2$ M 312.451
Anabolic steroid. Mp 166-169°. $[\alpha]_D^{20}$ +105° (c, 0.539 in CH_2Cl_2/Et_2O).
Wieland, P. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1453 (*synth*)
Declercq, J.P. *et al*, *Recl: J.R. Neth. Chem. Soc.*, 1984, **103**, 145 (*cryst struct, conformn*)
De Visser, J. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1010 (*pharmacol*)
Van Vliet, N.P. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1986, **105**, 111 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13342.

Tibric acid, BAN, USAN, INN **T-00252**
2-Chloro-5-[(*3,5-dimethyl-1-piperidinyl*)*sulfonyl*]-*benzoic acid*, *9CI*



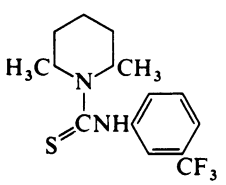
$C_{14}H_{18}ClNO_4S$ M 331.814
cis-form [37087-94-8]
Exirel (*old form*). *CP 18524*
Antihyperlipoproteinaemic agent. Cryst. (2-propanol or Me_2CO/hexane). Mp 244-246°.
▷DG4996300.
U.S.P., 3 879 402, (*1975*); *CA*, **83**, 27929k (*synth*)
Marmo, E. *et al*, *Farmaco, Ed. Sci.*, 1975, **30**, 666 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1361.

Ticabesone, INN **T-00253**
S-*Methyl 6,9-difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate. 6,9-Difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioic acid* S-*methyl ester*, *9CI*
[74131-77-4]



$C_{22}H_{28}F_2O_4S$ M 426.518
Glucocorticoid.
Propanoyl: [73205-13-7]. ***Ticabesone propionate, USAN.*** *RS-35909-00-00-0.*
Eur. Pat., 4 773, (*1979*); *CA*, **82**, 147047d (*synth, pharmacol*)

Ticarbodine, BAN, USAN, INN **T-00254**
2,6-Dimethyl-N-[*3-*(*trifluoromethyl*)*phenyl*]-*1-piperidinecarbothioamide*, *9CI*. *α,α,α-Trifluoro-2,6-dimethythio-1-piperidinecarboxy*-m-*toluidine*, *8CI*. *EL-974. Tribodine*
[31932-09-9]



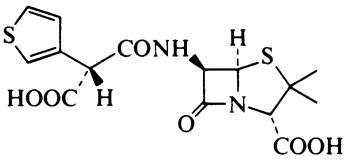
$C_{15}H_{19}F_3N_2S$ M 316.384
Anthelmintic (for vet. use). Light-yellow cryst. Mp 123-126°.

Anon, *Fed. Regist.*, 1973, **38**, 15833 (*pharmacol*)
Fr. Pat., 2 169 722, (*1973*); *CA*, **80**, 82461q (*synth*)
Boisvenue, R.J. *et al*, *Vet. Parasitol.*, 1983, **13**, 341 (*activity*)

Ticarcillin, BAN, INN T-00255

α-Carboxy-3-thienylmethylpenicillin

[34787-01-4]



$C_{15}H_{16}N_2O_6S_2$ M 384.421

Semisynthetic penicillin antibiotic. Parenteral agent with antipseudomonas activity.

Di-Na salt: [4697-14-7]. *Ticarcillin sodium, USAN, JAN. Ticar. BRL 2288. Antibiotic BRL 2288. Other proprietary names.* Cream hygroscopic powder.

▷XM9410000.

3-Mono(4-methylphenyl)ester: [59070-07-4].
$C_{22}H_{22}N_2O_6S_2$ M 474.546

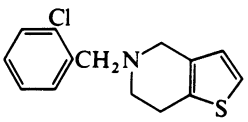
3-Mono(4-methylphenyl)ester, Na salt: [59070-06-3]. *Ticarcillin cresyl sodium, USAN. BRL 12594.*

B.P., 1 004 670, (*1964*); *CA*, **63**, 13269f (*synth*)
Sutherland, R. *et al*, *Antimicrob. Agents Chemother.*, 1970, 390 (*props*)
Eichenwald, H.F. *et al*, *Fortschr. Med.*, 1977, **95**, 2225 (*rev*)
Ueda, V. *et al*, *Chemotherapy (Tokyo)*, 1977, **25**, 2389 (*rev*)
Bird, A.E. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, 563 (*pmr, cd*)
Neu, H.C., *Med. Clin. North Am.*, 1982, **66**, 61 (*rev, pharmacol*)
Watson, I.D. *et al*, *J. Chromatogr.*, 1985, **337**, 301 (*hplc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3556.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 173.

Ticlopidine, BAN, INN T-00256

5-[(2-Chlorophenyl)methyl]-4,5,6,7-tetrahydrothieno[3,2-c]pyridine, 9CI. Ticlid. Ticlodix. Ticlodone

[55142-85-3]



$C_{14}H_{14}ClNS$ M 263.784

Platelet aggregation inhibitor.

B,HCl: [53885-35-1]. *Ticlopidine hydrochloride, USAN, JAN. Other synonyms.* Cryst. (EtOH). Mp 189°.

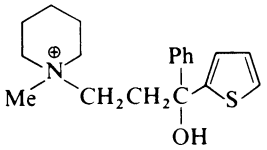
▷XJ9089100.

Maffrand, J.P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 483 (*synth*)
Podesta, M. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 487 (*pharmacol*)
Godard, P. *et al*, *Eur. J. Drug Metab. Pharmacokinet.*, 1978, **3**, 67 (*metab*)
Satake, K. *et al*, *Heterocycles*, 1981, **16**, 1271 (*synth*)
Bruno, J.J., *New Drugs Annu.; Cardiovasc. Drugs*, 1983, **1**, 295 (*rev, pharmacol*)
Itoh, S. *et al*, *Chem. Pharm. Bull.*, 1987, **35**, 1304 (*hplc*)
Saltiel, E. *et al*, *Drugs*, 1987, **34**, 222 (*pharmacol, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3080.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13343.

Tiemonium(1+) T-00257

4-[3-Hydroxy-3-phenyl-3-(2-thienyl)propyl]-4-methylmorpholinium, 9CI, 8CI

[6252-92-2]



$C_{18}H_{24}NO_2S^{\oplus}$ M 318.453 (ion)

(±)-form

Antispasmodic, anticholinergic drug, analgesic.

Iodide: [144-12-7]. *Tiemonium iodide, BAN, INN, JAN. Bort simple. CERFA 114. TE 114. Visceralgin.* Mp 189-191°.

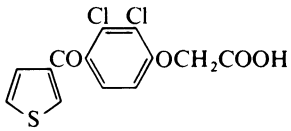
Methyl sulfate: [6504-57-0]. *Ottimal.*

Duchene-Marullaz, P. *et al*, *Arch. Int. Pharmacodyn.*, 1963, **141**, 465 (*pharmacol*)
B.P., 953 386, (*1964*); *CA*, **61**, 4367 (*synth*)
Beau, G. *et al*, *Therapie*, 1968, **23**, 399 (*metab*)
De Angelis, L., *Drugs of Today*, 1979, **15**, 425 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 418.

Tienilic acid, BAN, INN T-00258

[2,3-Dichloro-4-(2-thienylcarbonyl)phenoxy]acetic acid, 9CI. Ticrynafen, USAN. Selacryn. Other synonyms

[40180-04-9]



$C_{13}H_8Cl_2O_4S$ M 331.170

Diuretic, uricosuric, antihypertensive agent. Cryst. (EtOH). Mp 148-149° (157°).

▷AG9300000.

Truillier, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 625 (*synth, pharmacol*)
Kerremans, A.L. *et al*, *Eur. J. Clin. Pharmacol.*, 1982, **22**, 515 (*pharmacol*)
Maas, A.R. *et al*, *Clin. Exp. Hypertens.*, 1982, **4**, 139 (*rev*)
Mansuy, D. *et al*, *Biochem. Pharmacol.*, 1984, **33**, 1429 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2625.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2357.

Tienmulilmine T-00259

Struct. unknown

$C_{27}H_{43}NO$ M 397.643

Steroidal alkamine alkaloid. Isol. from the Chinese drug Li-Lu (*Veratrum* spp.) (Liliaceae). Mp 172-174°. $[\alpha]_D^{16}$ −99.3° (MeOH).

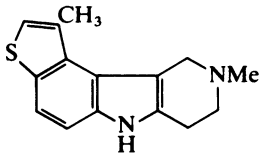
B,HCl: Mp 302°.
B,HBr: Mp 306°.
B,MeI: Mp 244°.

Chu, J.-H. *et al*, *CA*, 1958, **52**, 6716.
Chu, J.-H., personal communication cited by Tomko, J. *et al*, *Alkaloids, N.Y.*, 1973, **14**, 32.

Tienocarbine, INN **T-00260**

7,8,9,10-Tetrahydro-1,9-dimethyl-6H-pyrido[4,3-b]-thieno-[3,2-e]indole, 9CI

[75458-65-0]



$C_{15}H_{16}N_2S$ M 256.365

Antidepressant. Cryst. (EtOAc). Mp 224-227°.

B,HCl: Mp 295° dec.

Lactate: [75697-45-9]. *TVX 4148.* Mp 203°.

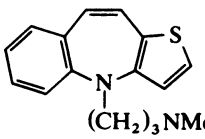
Maleate: [75697-43-7]. Mp 216° dec.

Ger. Pat., 2 854 014, (*1980*); *CA*, **94**, 4002r (*synth*)

Tienopramine, INN **T-00261**

N,N-*Dimethyl-4H-thieno[3,2-b]benzazepine-4-propan-amine,* 9CI. *4-[3-(Dimethylamino)propyl]-4H-thieno[3,2-b] [1]benzazepine*

[37967-98-9]



$C_{17}H_{20}N_2S$ M 284.418

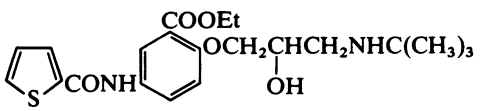
Antidepressant.

Fumarate: [37967-99-0]. Yellow cryst. (2-propanol). Mp 166°.

Ger. Pat., 2 209 844, (*1972*), **77**, 152146e (*synth, pharmacol*)

Tienoxolol, INN **T-00262**

2-[3[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-[(2-thienylcarbonyl)amino]benzoic acid ethyl ester, 9CI



$C_{21}H_{28}N_2O_5S$ M 420.523

(±)-*form* [90055-97-3]

β-Adrenergic blocker. Diuretic. Cryst. (isopropyl acetate). Mp 127-128°.

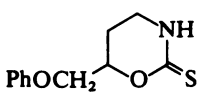
B,HCl: [97067-66-8]. *UP 788-42.*

Bouley, E. *et al*, *J. Med. Chem.*, 1986, **29**, 100 (*synth, pharmacol*)

Tifemoxone, INN **T-00263**

Tetrahydro-6-(phenoxymethyl)-2H-1,3-oxazine-2-thione, 9CI

[39754-64-8]



$C_{11}H_{13}NO_2S$ M 223.289

▷RP6471000.

(±)-*form*

Antidepressant, analgesic, spasmolytic, vasodilator. Cryst. (EtOH). Mp 148°.

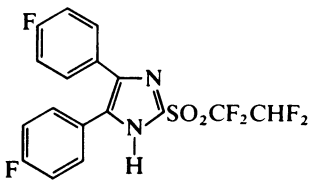
Fauran, C. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 73 (*synth*)

Raynaud, G. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 75 (*pharmacol*)

Tiflamizole, INN **T-00264**

4,5-Bis(4-fluorophenyl)-2-[(1,1,2,2-tetrafluoroethyl)-sulfonyl)imidazole, 9CI. *EN-350*

[62894-89-7]



$C_{17}H_{10}F_6N_2O_2S$ M 420.329

Antiinflammatory, antirheumatic agent. Mp 241.5-242°.

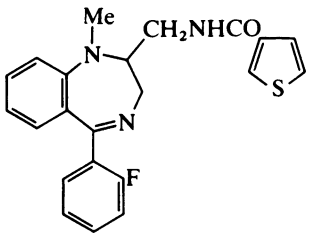
Na salt: [62894-44-4]. Mp 290-292°.

Ger. Pat., 2 635 876, (*1977*); *CA*, **87**, 5974b (*synth, pharmacol*)

Tifluadom, INN **T-00265**

N-[[*5-(2-Fluorophenyl)-2,3-dihydro-1-methyl-1H-1,4-benzodiazepin-2-yl]methyl]-3-thiophenecarboxamide,* 10CI. *KC 5103*

[83386-35-0]



$C_{22}H_{20}FN_3OS$ M 393.478

(*2S*)-*form* [85888-40-0]

(+)-*form*

Pharmacol. active enantiomer.

B,HCl: [97858-51-0].

p-*Toluenesulfonate:* [97858-52-1].

(±)-*form* [81656-30-6]

Opiate agonist with specific affinity for K receptors.

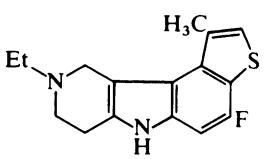
B,HCl: [96337-50-7].

Ger. Pat., 2 952 279, (*1981*); *CA*, **95**, 169234b (*synth*)
Römer, D. *et al*, *Nature* (*London*), 1982, **298**, 759
Kley, H. *et al*, *Eur. J. Pharmacol.*, 1983, **87**, 503 (*pharmacol*)
Raton, D.M., *Drugs Future*, 1983, **10**, 531 (*rev*)
Petcher, T.J. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 909 (*cryst struct*)
Codding, P.W. *et al*, *Acta Crystallogr., Sect. C*, 1987, **43**, 1394 (*cryst struct*)

Tiflucarbine, INN **T-00266**

9-Ethyl-4-fluoro-7,8,9,10-tetrahydro-1-methyl-6H-pyrido[4,3-b]thieno[3,2-e]indole, 9CI

[89875-86-5]

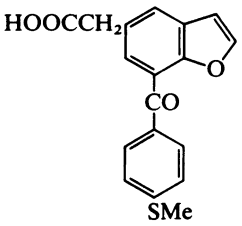


$C_{16}H_{17}FN_2S$ M 288.382

Antidepressant. Cryst. (EtOAc). Mp 182-183°.

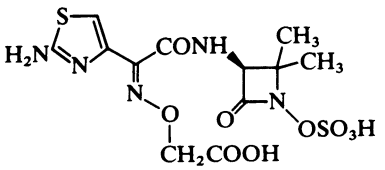
B,HCl: [94419-87-1].
Lactate (1:1): [94444-50-5]. *TVX P 4495.* Mp 203-205°.
Ger. Pat., 3 311 342, (*1984*); *CA*, **102**, 62210 (*synth*)
Schmidt, B.H. *et al*, *Eur. J. Pharmacol.*, 1986, **130**, 27 (*pharmacol*)

Tifurac, INN **T-00267**
7-[4-(Methylthio)benzoyl]-5-benzofuranacetic acid, 9CI
[97483-17-5]



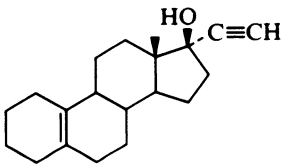
$C_{18}H_{14}O_4S$ M 326.366
Analgesic. Cryst. (Me_2CO/hexane). Mp 153-154°.
Na salt: Tifurac sodium, USAN.
Sulfoxide: [104172-33-0].
$C_{18}H_{14}O_5S$ M 342.366
Cryst. (Me_2CO/hexane). Mp 145-147°.
Sulfone: [104172-34-1].
$C_{18}H_{14}O_6S$ M 358.365
Cryst. (Me_2CO/hexane). Mp 149-151°.
Dunn, J.P. *et al*, *J. Med. Chem.*, 1986, **29**, 2326 (*synth, pharmacol*)

Tigemonam, INN **T-00268**
[[[1-(2-Amino-4-thiazolyl)-2-[[2,2-dimethyl-4-oxo-1-(sulfooxy)-3-azetidinyl]amino]-2-oxoethylidene]-amino]oxy]acetic acid. SQ 30213
[102507-71-1]



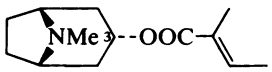
$C_{12}H_{15}N_5O_9S_2$ M 437.399
Antibacterial agent. Also used as dicholine salt (Tigemonam dicholine, USAN).
Di-Na salt: [102522-04-3]. Mp 145-148°.
Yoshida, C. *et al*, *J. Antibiot.*, 1985, **38**, 1536 (*synth, props*)
Slusarchyk, W.A. *et al*, *Tetrahedron Lett.*, 1986, **27**, 2789 (*synth*)
Tanaka, S.K. *et al*, *Antimicrob. Agents Chemother.*, 1987, **31**, 219 (*pharmacol*)
Chin, N.X. *et al*, *Antimicrob. Agents Chemother.*, 1988, **32**, 84, 346 (*pharmacol*)

Tigestol, USAN, INN **T-00269**
19-Nor-17α-pregn-5(10)-en-20-yn-17-ol, 9CI, 8CI
[896-71-9]



$C_{20}H_{28}O$ M 284.441
Progestin. Mp 115-116°. $[\alpha]_D$ +118°.
Bolt, C.C. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1969, **88**, 1061 (*synth*)

3-Tigloyloxytropane **T-00270**
2-Methyl-2-butenoic acid 8-methyl-8-azabicyclo[3.2.1]-oct-3-yl ester, 8CI. Tropine tiglate

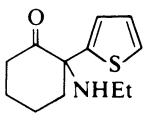


3α-form

$C_{13}H_{21}NO_2$ M 223.314
3α-form [495-83-0]
Tigloyltropeine
Alkaloid from *Datura ferox* and other *D.* spp., *Physalis alkekengi* roots, *Mandragora vernalis*, *M. autumnalis*, *Hyoscyamus* spp., etc. (Solanaceae). Mp 181.5-183°.
B,HCl: Mp 214.5-217.5°.
N-*Oxide:* ***3α-Tigloyloxytropane N-oxide.***
$C_{13}H_{21}NO_3$ M 239.314
Alkaloid from *P. alkekengi* (Solanaceae). Mp 185-186° dec.
3β-form [533-08-4]
Tigloidine, BAN, INN
Alkaloid from *D. innoxia*, *D. metel*, *D. pruinosa*, *D. meteloides*, *P. alkekengi*, *M.* spp. and *Duboisia myoporoides* (Solanaceae). Syrup.
B,HCl: Has been recommended for treatment of Parkinsonism, anticholinergic agent. Tabular cryst. (H_2O). Sol. $CHCl_3$, mod. sol. H_2O. Mp 234-235°.
Picrate: Mp 239°.
Barger, G. *et al*, *J. Chem. Soc.*, 1937, 1820 (*isol, synth*)
Sanghvi, I.S. *et al*, *Eur. J. Pharmacol.*, 1968, **4**, 246 (*pharmacol*)
Evans, W.C. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 2017 (*isol*)
Evans, W.C. *et al*, *Phytochemistry*, 1973, **12**, 2077, 2505 (*isol*)
Yamaguchi, H. *et al*, *Yakugaku Zasshi*, 1974, **94**, 1115 (*oxide*)
Beresford, P.J. *et al*, *Phytochemistry*, 1975, **14**, 2205 (*biosynth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 419.

Tilactase, INN **T-00271**
β-Galactosidase. Lactase. Galantase. Imulact. Lactozyma. Lysolac. Numeras proprietary names
[9031-11-2]
Enzyme involved in the hydrolysis of lactose.
▷LW5840000.
Wallenfels, K. *et al*, *Enzymes, 3rd Ed.*, 1972, **7**, 617 (*rev*)
Shukla, T.P., *CRC Crit. Rev. Food Technol.*, 1975, **5**, 325 (*rev*)
Barker, S.A. *et al*, *Econ. Microbiol.*, 1980, **5**, 171 (*rev*)
Wetlaufer, D.B., *Adv. Protein Chem.*, 1981, **34**, 61 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12779.

Tiletamine, BAN, INN **T-00272**
2-Ethylamino-2-(2-thienyl)cyclohexanone, 9CI, 8CI
[14176-49-9]



$C_{12}H_{17}NOS$ M 223.332

(±)-form

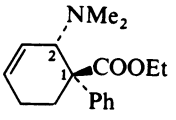
Used as an anaesthetic, anticonvulsant and sedative.

B,HCl: [14176-50-2]. *Tiletamine hydrochloride, USAN. CI 634.* Cryst. (2-propanol/Et_2O). Mp 196-197°.

Neth. Pat., 66 03 587, (*1966*); *CA*, **66**, 55373 (*synth*)
Chen, G. *et al*, *J. Pharmacol. Exp. Ther.*, 1969, **168**, 171 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13344.

Tilidate, BAN **T-00273**

2-(Dimethylamino)-1-phenyl-3-cyclohexene-1-carboxylic acid ethyl ester, 9CI, 8CI. ***Tilidine, INN.*** *Perdolat. Other synonyms*



(1*S*,2*S*)-*form* Absolute configuration

$C_{17}H_{23}NO_2$ M 273.374

(1R,2R)-form [32447-90-8]

Dextilidine, INN. *W 41261P*

Analgesic. Mp 56-57.5°. $[\alpha]_D^{20}$ +464° (c, 5 in MeOH).

(1S,2S)-form

Mp 58-59°. $[\alpha]_D^{20}$ −448° (c, 5 in MeOH).

B,HCl: Hygroscopic needles. Mp 175-176°. $[\alpha]_D^{20}$ +312.6° (c, 2.8 in H_2O).

(1RS,2RS)-form [20380-58-9]

Analgesic. $Bp_{0.01}$ 95.5-96°. Used mainly as hydrochloride.

B,HCl: [27107-79-5]. *Tilidine hydrochloride, USAN.* Cryst. (EtOAc/MeCOEt). Mp 162°.

▷GW4375000.

(1RS,2SR)-form

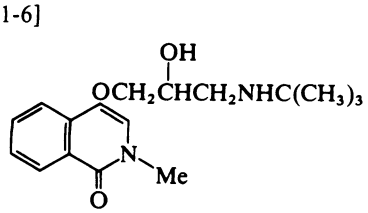
B,HCl: Mp 83-84° (as hydrate).

Herrmann, M. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 977 (*pharmacol*)
Satzinger, G., *Justus Liebigs Ann. Chem.*, 1972, **758**, 43, 65 (*nmr, abs config*)
Holzmann, G. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1975, **308**, 169 (*metab*)
Vollmer, K.O. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1706 (*metab*)
Goenechea, S. *et al*, *Fresenius' Z. Anal. Chem.*, 1978, **290**, 111 (*ms*)
Satzinger, G. *et al*, *Pharm. Ind.*, 1978, **40**, 657 (*synth, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4499.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6262.

Tilisolol, INN **T-00274**

4-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-2-methyl-1(2H)-isoquinolinone, 9CI. 4-[3-(tert-Butylamino)-2-hydroxypropoxy]-2-methylisocarbostyril

[85136-71-6]



$C_{17}H_{24}N_2O_3$ M 304.388

(±)-form

Antiarrhythmic agent.

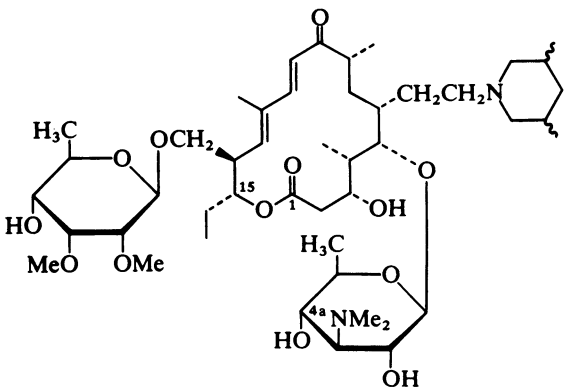
B,HCl: N 696. Amorph. cryst. Mp 203-205°.

Ger. Pat., 2 631 080, (*1977*); *CA*, **86**, 189739 (*synth*)
Nakagawa, Y. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 194 (*pharmacol*)
Kubota, N. *et al*, *J. Pharmacobio-Dyn.*, 1985, **8**, 134 (*pharmacol*)
Yonezawa, K. *et al*, *J. Chromatogr.*, 1985, **339**, 219 (*hplc*)

Tilmicosin, INN **T-00275**

20-Deoxo-20-(3,5-dimethyl-1-piperidinyl)tylosin B. EL 870. LY 177370

[108050-54-0]



$C_{46}H_{80}N_2O_{13}$ M 869.144

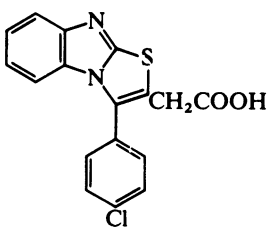
Macrolide antibiotic. Semisynthetic. Veterinary antibacterial agent.

Ose, E.E., *J. Antibiot.*, 1987, **40**, 190 (*props*)

Tilomisole, INN, USAN **T-00276**

3-(4-Chlorophenyl)thiazolo[3,2-a]benzimidazole-2-acetic acid, 9CI. NSC 310633. Wy 18251

[58433-11-7]



$C_{17}H_{11}ClN_2O_2S$ M 342.799

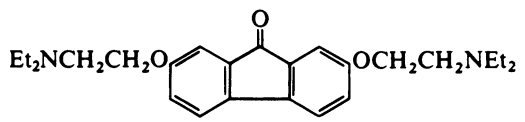
Immunomodulator, antiinflammatory agent. Yellow cryst. (dimethoxyethane). Mp 242-243°.

Bell, S.C. *et al*, *J. Med. Chem.*, 1976, **19**, 524 (*synth, pharmacol*)
Fenichel, R.L. *et al*, *J. Immunopharmacol.*, 1980, **2**, 491 (*pharmacol*)
Gilman, S.C. *et al*, *Agents Actions*, 1985, **17**, 53; *J. Immunopharmacol.*, 1985, **7**, 79 (*pharmacol*)
Gilman, S.C. *et al*, *J. Immunopharmacol.*, 1985, **7**, 79 (*pharmacol*)

Tilorone, INN **T-00277**

2,7-Bis[2-(diethylamino)ethoxy]-9H-fluoren-9-one, 9CI. Bis-DEAE-fluorenone. NSC-143969

[27591-97-5]



$C_{25}H_{34}N_2O_3$ M 410.555

Shows virucidal, interferogenic, antitumour, antiinflammatory and immunostimulatory props. Highly active interferon inducer

in mice but inactive in humans.

▷LL8990000.

B,2HCl: [27591-69-1]. *Tilorone hydrochloride,* USAN. Cryst. (butanone/MeOH). Mp 235-237°.

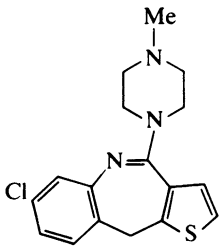
▷LL9000000.

Andrews, E.R. *et al, J. Med. Chem.*, 1974, **17**, 882 (*synth, pharmacol*)
Burke, S.M. *et al, Synth. Commun.*, 1976, **6**, 371 (*synth*)
Chandra, P. *et al, Top. Curr. Chem.*, 1977, **72**, 125 (*pharmacol*)
Chandra, P. *et al, Antibiotics (N.Y.)*, 1979, **5**, 385 (*rev, pharmacol*)
Schulze, W. *et al, Pharmazie*, 1984, **39**, 320 (*synth*)
Stringfellow, D.A., *Handb. Exp. Pharmacol.*, 1984, **71**, 371 (*rev, activity*)
Regelson, W., *Int. Encycl. Pharmacol. Ther.*, 1985, **115**, 429 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13345.

Tilozepine, INN T-00278

7-Chloro-4-(4-methyl-1-piperazinyl)-10H-thieno[3,2-c][1]benzazepine, 9CI

[42239-60-1]



$C_{17}H_{18}ClN_3S$ M 331.862

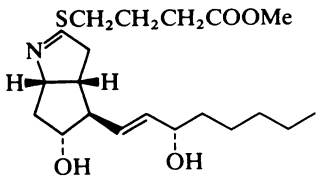
Sedative.

Ger. Pat., 2 257 443, (*1973*); *CA*, 1973, **79**, 42549x (*synth, pharmacol*)

Tilsuprost, INN T-00279

4-[[3,3a,4,5,6,6a-Hexahydro-5-hydroxy-4-(3-hydroxy-1-octenyl)cyclopenta[b]pyrrol-2-yl]thio]butanoic acid methyl ester, 9CI. *2-Aza-3-(1-thia-4-carboxymethylbutyl)-6-(3-hydroxy-1-octenyl)-7-hydroxybicyclo[3.3.0]-oct-2-ene. Hoe 892. S 792892A*

[80225-28-1]



$C_{20}H_{33}NO_4S$ M 383.545

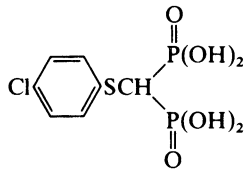
Antihypertensive agent, cardiotonic and anticoagulant.

Bartmann, W. *et al, Angew. Chem., Int. Ed. Engl.*, 1980, **19**, 819 (*synth*)
Ger. Pat., 3 006 865, (*1981*); *CA*, **96**, 122282 (*synth, pharmacol*)
Schoelkens, B.A. *et al, Prostaglandins, Leukotrienes Med.*, 1983, **10**, 231.
Konturek, S.J. *et al, Prostaglandins*, 1984, **28**, 443 (*pharmacol*)

Tiludronic acid T-00280

[[(4-Chlorophenyl)thio]methylene]bisphosphonic acid, 9CI

[89987-06-4]



$C_7H_9ClO_6P_2S$ M 318.605

Antiinflammatory agent.

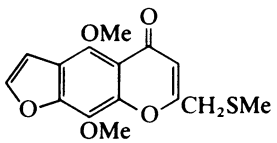
tert-*Butylamine salt: SR 41319.* Mp 253° dec.

Eur. Pat., 100 718, (*1984*); *CA*, **100**, 192078j (*synth, pharmacol*)

Timefurone, INN, USAN T-00281

4,9-Dimethoxy-7-[(methylthio)methyl]-5H-furo[3,2-g][1]benzopyran-5-one, 9CI. *U 56321*

[76301-19-4]



$C_{15}H_{14}O_5S$ M 306.333

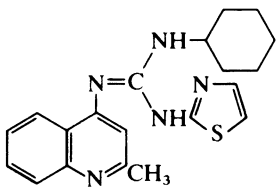
Antiatherosclerotic drug. Mp 148-150°.

Ger. Pat., 3 004 756, (*1980*); *CA*, 1981, **94**, 47307m (*synth, pmr, ir, ms*)

Timegadine, INN T-00282

N-Cyclohexyl-N′-(2-methyl-4-quinolinyl)-N″-2-thiazolylguanidine, 9CI. *SR 1368*

[71079-19-1]



$C_{20}H_{23}N_5S$ M 365.495

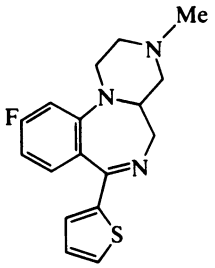
Antiarthritic agent, antiinflammatory agent. Mp 194-195°.

Ger. Pat., 2 847 792, (*1979*); *CA*, 1979, **91**, 107909j (*synth, pharmacol*)
Bramm, E. *et al, J. Med. Chem.*, 1980, **23**, 13 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1262.

Timelotem, INN **T-00283**

10-Fluoro-1,2,3,4,4a,5-hexahydro-3-methyl-7-(2-thienyl)pyrazino[1,2-a][1,4]benzodiazepine, 9CI

[105138-32-7]



$C_{17}H_{18}FN_3S$ M 315.408

(±)-*form* [96306-34-2]

Tranquilliser. Mp 111-113°.

Maleate (1:2): [105566-70-9]. *Timelotem maleate. KC 7507.*

Canadian Pat., 1 199 323, (*1986*); *CA*, **105**, 208940 (*synth*)

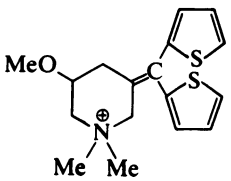
Ruhland, M. *et al*, *Pharmacopsychiatry*, 1986, **19**, 216, 218 (*props*)

Gielsdorf, W. *et al*, *J. Chromatogr.*, 1987, **419**, 357 (*anal*)

Schmidt, W.J. *et al*, *Life Sci.*, 1987, **41**, 1909 (*pharmacol*)

Timepidium(1+) **T-00284**

3-(Di-2-thienylmethylene)-5-methoxy-1,1-dimethylpiperidinium, 9CI



$C_{17}H_{22}NOS_2^{\oplus}$ M 320.487 (ion)

(±)-*form*

Anticholinergic and spasmolytic agent.

Bromide: [35035-05-3]. *Timepidium bromide,* INN, JAN. *SA 504. Sesden. Staburin.*

$C_{17}H_{22}BrNOS_2$ M 400.391

Cryst. Mp 70-71°.

▷TN5083000.

Ger. Pat., 2 128 808, (*1971*); *CA*, **76**, 59458c (*synth, pharmacol*)

Tamaki, H. *et al*, *Jpn. J. Pharmacol.*, 1972, **22**, 685 (*pharmacol*)

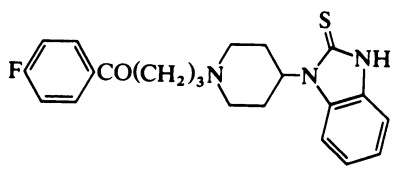
Meshi, T. *et al*, *Chem. Pharm. Bull.*, 1973, **21**, 1709 (*metab*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13346.

Timiperone, INN **T-00285**

4-[4-(2,3-Dihydro-2-thioxo-1H-benzimidazol-1-yl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, 9CI. *4-Fluoro-4-[4-(2-thioxo-1-benzimidazolinyl)piperidino]-butyrophenone. Tolopelon. DD 3480*

[57648-21-2]



$C_{22}H_{24}FN_3OS$ M 397.510

Antimethamphetamine, neuroleptic. Cryst. (Me_2CO). Mp 201-203°.

▷EL7570000.

Sato, M. *et al*, *J. Med. Chem.*, 1978, **21**, 1116 (*synth, pharmacol*)

Tachizawa, H. *et al*, *Drug Metab. Dispos.*, 1981, **9**, 442 (*metab*)

Yamasaki, T. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 701, 707 (*pharmacol*)

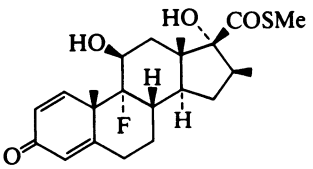
Sato, M. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 719.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17010.

Timobesone, INN **T-00286**

S-Methyl 9-fluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate

[87116-72-1]



$C_{22}H_{29}FO_4S$ M 408.527

Cryst. (Me_2CO/hexane). Mp 242-244° dec.

17-Ac: [79578-14-6]. ***Timobesone acetate, USAN.*** *17-(Acetyloxy)-9-fluoro-11-hydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioic acid S-methyl ester,* 9CI. *RS 85446-007.*

$C_{24}H_{31}FO_5S$ M 450.564

Topical adrenocortical steroid, antiinflammatory agent.

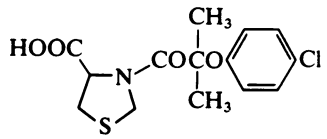
U.S.P., 4 263 289, (*1981*); *CA*, **95**, 187526c (*synth*)

Kertesz, D.J. *et al*, *J. Org. Chem.*, 1986, **51**, 2315 (*synth, props*)

Timofibrate, INN **T-00287**

3-[2-(p-Chlorophenoxy)-2-methylpropionyl]-4-thiazolidinecarboxylic acid, 8CI

[64179-54-0]



$C_{14}H_{16}ClNO_4S$ M 329.798

(±)-*form*

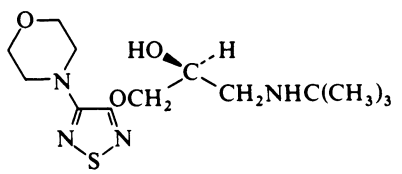
Anticholesteraemic agent. Cryst. (pet. ether). Mp 135°.

Fr. Pat., 2 315 271, (*1977*); *CA*, **87**, 135308 (*synth, pharmacol*)

Timolol, BAN, INN, USAN **T-00288**

1-[(1,1-Dimethylethyl)amino]-3-[[4-(4-morpholinyl)-1,2,5-thiadiazol-3-yl]oxy]-2-propanol, 9CI. *1-(tert-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)-oxy]-2-propanol,* 8CI. *Numerous proprietary names*

[29023-48-1]



(*S*)-*form* Absolute configuration

$C_{13}H_{24}N_4O_3S$ M 316.418

(*S*)-*form* [26839-75-8]

Antihypertensive. Antiadrenergic agent (β-receptor). Used mainly as maleate.

Maleate (1:1): [26921-17-5]. *Timolol maleate,* USAN, JAN. *Blocadren. Timoptic. Timolate.* Sol. H_2O, EtOH, MeOH. Mp 201.5-202.5°. $[\alpha]_D^{25}$ −4.2° (c, 5 in 1*M* HCl). Component of Timolide.

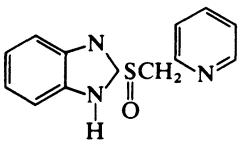
▷UA8475000.

(±)-*form* [47148-57-2]
Mp 71.5-72.5°.
Maleate: Mp 161-163°.

Wasson, B.K. *et al*, *J. Med. Chem.*, 1972, **15**, 651 (*synth*)
Brogden, R.N. *et al*, *Drugs*, 1975, **9**, 164 (*rev, pharmacol*)
Carpy, A. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1976, **283**, 401 (*cryst struct*)
U.S.P., 4 031 125, (*1977*); *CA*, **87**, 101932g (*synth*)
Heel, R.C. *et al*, *Drugs*, 1979, **17**, 38 (*rev, pharmacol*)
Mazzo, D.J. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 641 (*rev, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2952.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6323.

Timoprazole, INN T-00289

2-[(2-Pyridinylmethyl)sulfinyl]-1H-benzimidazole, *9CI*. *2-[(Pyridylmethyl)sulfinyl]benzimidazole. 2-Benzimidazolyl 2-pyridylmethyl sulfoxide. H 83/69*
[57237-97-5]

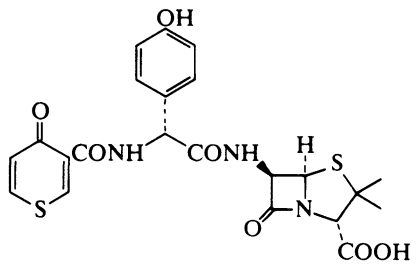


$C_{13}H_{11}N_3OS$ M 257.309
Gastric secretion inhibitor, antiulcer agent. Cryst. (MeCN). Mp 150-154°.

Fellenius, E. *et al*, *Am. J. Physiol.*, 1982, **243**, 9505 (*pharmacol*)
Beattie, D.E. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1983, **18**, 277 (*synth, pharmacol*)

Timoxicillin T-00290

6-[[(4-Hydroxyphenyl)[[(4-oxo-4H-thiopyran-3-yl)-carbonyl]amino]acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *9CI*
[56453-01-1]

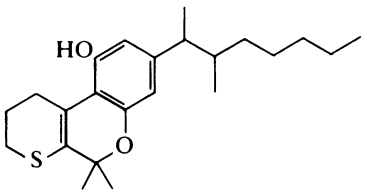


$C_{22}H_{21}N_3O_7S_2$ M 503.544
Antibiotic.
Na salt: [63076-45-9]. *Timoxicillin sodium.* Mp 226-230° dec.

Ger. Pat., 2 448 966, (*1975*); *CA*, **83**, 79236 (*synth*)
Ogawara, H. *et al*, *J. Antibiot.*, 1980, **33**, 620 (*props*)
Watanabe, T. *et al*, *CA*, 1981, **95**, 108355 (*metab*)

Tinabinol, USAN, INN T-00291

8-(1,2-Dimethylheptyl)-1,2,3,5-tetrahydro-5,5-dimethylthiopyrano[2,3-c][1]benzopyran-10-ol, *9CI*. *SP 119*
[50708-95-7]

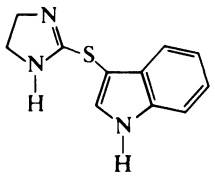


$C_{23}H_{34}O_2S$ M 374.580
Antihypertensive agent. Colourless gum.

Razdan, R.K. *et al*, *J. Med. Chem.*, 1976, **19**, 549 (*synth, uv, pharmacol*)

Tinazoline, INN T-00292

3-(2-Imidazolin-2-ylthio)indole. 3-[(4,5-Dihydro-1H-imidazol-2-yl)thio]-1H-indole, *9CI*. *2-(2-Imidazolinyl)-3-indolyl sulfide*
[62882-99-9]

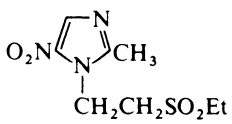


$C_{11}H_{11}N_3S$ M 217.288
Antihypertensive agent, nasal decongestant. Mp 118-122°.
B,HCl: [55107-60-3]. *Varsyl. Go 7996B.* Mp 234-236°.
B,HI: Cryst. (EtOH/Et_2O). Mp 210-211°.

Ger. Pat., 2 427 207, (*1975*); *CA*, **82**, 156360w (*synth, pharmacol*)
Nagarajan, K. *et al*, *Indian J. Exp. Biol.*, 1981, **19**, 1150 (*pharmacol*)
Nagarajan, K. *et al*, *Indian J. Chem.*, Sect. B, 1981, **20B**, 672 (*synth*)

Tinidazole, BAN, USAN, INN, JAN T-00293

1-[2-(Ethylsulfonyl)ethyl]-2-methyl-5-nitro-1H-imidazole, *9CI*. *Fasigyne. Simplotan. Tricolam*
[19387-91-8]



$C_8H_{13}N_3O_4S$ M 247.268
Antitrichomonal, antimicrobial agent. Cryst. (C_6H_6). Sol. H_2O, C_6H_6. Mp 127-128°. pK_a 2.11.
▷NI6255000.

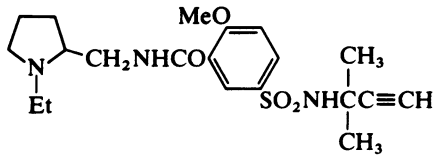
Caplar, V. *et al*, *J. Heterocycl. Chem.*, 1974, **11**, 1055 (*synth, bibl*)
Carmine, A.A. *et al*, *Drugs*, 1982, **24**, 85 (*rev, pharmacol*)
Nagarajan, K. *et al*, *Indian J. Chem., Sect. B*, 1982, **21**, 1006 (*pmr, uv, ms*)
Nord, C.E. *et al*, (*Eds.*), *J. Antimicrob. Chemother.*, 1982, **10**, Suppl. 8, 1 (*numerous papers*)
Reddy, K.C. *et al*, *Indian J. Pharm. Sci.*, 1982, **44**, 6 (*synth*)
Chasseaud, L.F. *et al*, *J. Chem. Soc., Chem. Commun.*, 1984, 491 (*cryst struct, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 987.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4799.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2583.

Tinisulpride, INN **T-00294**

5-[(1,1-Dimethyl-2-propynyl)sulfamoyl]-N-[(1-ethyl-2-pyrrolidinyl)methyl]-o-anisamide. F1603

[69387-87-7]



$C_{20}H_{29}N_3O_4S$ M 407.527

(±)-form

Antiemetic, psychotropic agent. Mp 136°.

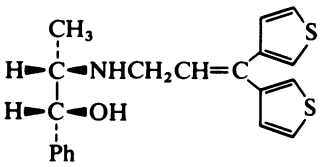
B,HCl: [69387-88-8]. Cryst. ($MeOH/Et_2O$). Mp 205°.

Belg. Pat., 867 097, (*1978*); *CA*, **90**, 121240v (*synth, pharmacol, ir*)

Tinofedrine, INN **T-00295**

α-[1-[(3,3-Di-3-thienyl-2-propenyl)amino]ethyl]-benzenemethanol, 9CI. *α-[1-[(3,3-Di-3-thienylallyl)-amino]ethyl]benzyl alcohol.* [N-(*3,3-Di-3-thienyl*)-*2-propenyl*]*norephedrine*

[36702-83-7]



$C_{20}H_{21}NOS_2$ M 355.512

Vasodilator. Cryst. (Et_2O). Mp 151°. Used mainly as hydrochloride. The usual stereoisomer appears to be that illus. Various other stereoisomers known.

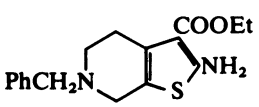
B,HCl: [50898-63-0]. Cryst. (2-propanol). Mp 203-204°.

Jakovlev, V. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1335, 1343, 1360 (*pharmacol, metab*)
Thiele, K. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 2047; 1980, **30**, 747, 1057 (*synth, cmr, abs config*)
Kleeman, A. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 1178 (*synth*)

Tinoridine, INN **T-00296**

Ethyl 2-amino-6-benzyl-4,5,6,7-tetrahydrothieno[2,3-c]pyridine-3-carboxylate, 8CI

[24237-54-5]



$C_{17}H_{20}N_2O_2S$ M 316.417

Analgesic, antipyretic, antiinflammatory agent. Mp 112-113°.

▷XJ9088300.

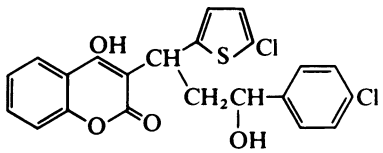
B,HCl: [25913-34-2]. *Nonflamin. Cosmin. Dimaten. Rolitrin. Y 3642.* Yellow-white to yellow powder. Mp 234-235° dec.

Ger. Pat., 1 812 404, (*1969*); *CA*, **71**, 124402t (*synth, pharmacol*)
Nakanishi, M. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 998 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2711.

Tioclomarol, INN **T-00297**

3-[3-(4-Chlorophenyl)-1-(5-chloro-2-thienyl)-3-hydroxypropyl]-4-hydroxy-2H-1-benzopyran-2-one, 9CI. *3-[5-Chloro-α-(p-chloro-β-hydroxyphenethyl)-2-thenyl]-4-hydroxycoumarin,* 8CI. *Apegmone. LM 550*

[22619-35-8]



$C_{22}H_{16}Cl_2O_4S$ M 447.332

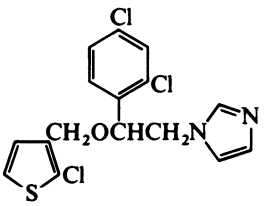
Anticoagulant. Mp 162°.

South African Pat., 6 707 267, (*1968*); *CA*, **70**, 87576j (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13347.

Tioconazole, BAN, USAN, INN, JAN **T-00298**

1-[2-[(2-Chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole, 9CI

[65899-73-2]



$C_{16}H_{13}Cl_3N_2OS$ M 387.711

Antifungal agent.

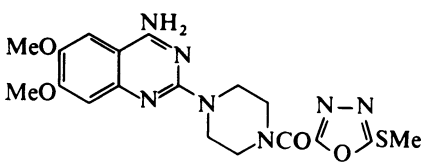
B,HCl: [61675-64-7]. *Trosyd. Trosyl.* Cryst. Mp 168-170°.

Ger. Pat., 2 619 381, (*1976*); *CA*, **86**, 72645 (*synth, pharmacol*)
Clissold, S.P. *et al*, *Drugs*, 1986, **31**, 29 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3854.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13348.

Tiodazosin, USAN, INN **T-00299**

1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[[5-(methylthio)-1,3,4-oxadiazol-2-yl]carbonyl]piperazine, 9CI. *BL 5111R*

[66969-81-1]



$C_{18}H_{21}N_7O_4S$ M 431.468

Antihypertensive drug.

B,HCl: [62412-39-9]. Cryst. (MeOH). Mp 280-285° dec.

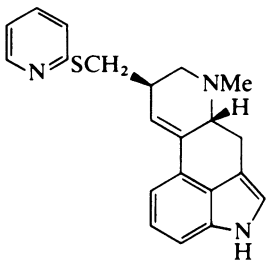
U.S.P., 4 001 238, (*1977*); *CA*, **86**, 155661r (*synth*)
Oates, H.F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1979, **240**, 305 (*pharmacol*)

Oates, H.F. *et al*, *Clin. Exp. Pharmacol. Physiol.*, 1980, **7**, 1 (*pharmacol*)

Tiomergine, INN **T-00300**

9,10-Didehydro-6-methyl-8β-[(2-pyridinylthio)-methyl]ergoline, 9CI. *CF 25-397*

[57935-49-6]



$C_{21}H_{21}N_3S$ M 347.477

Dopaminergic agent, antiparkinsonian agent. Mp 200-201° dec.

Tartrate: Mp 195-196°. $[\alpha]_D^{20}$ +26° (c, 1.0 in DMSO).

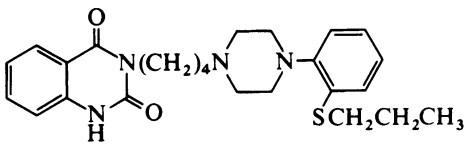
Ger. Pat., 2 509 471, (*1975*); *CA*, **84**, 59834n (*synth, pharmacol*)

Jaton, A.L. *et al*, *Br. J. Pharmacol.*, 1976, **56**, 371P (*pharmacol*)

Tioperidone, INN **T-00301**

3-[4-[4-[2-(Propylthio)phenyl]-1-piperazinyl]butyl]-2,4-(1H,3H)-quinazolinedione, 9CI

[52618-67-4]



$C_{25}H_{32}N_4O_2S$ M 452.613

Tranquilliser. Cryst. (toluene/heptane). Mp 151-153°.

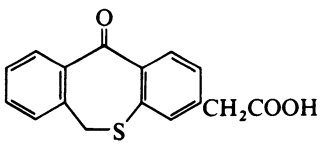
B,HCl: [52618-68-5]. *Tioperidone hydrochloride,* USAN. *CI 787.* Cryst. (EtOH). Mp 205-207°.

B.P., 1 379 188, (*1974*); *CA*, **80**, 146190k (*synth, pharmacol*)

Tiopinac, BAN, INN, USAN **T-00302**

6,11-Dihydro-11-oxodibenzo[b,e]*thiepin-3-acetic acid,* 9CI. *RS 40974. DBTA*

[61220-69-7]



$C_{16}H_{12}O_3S$ M 284.329

Antiinflammatory, analgesic, antipyretic. Cryst. (Me_2CO/toluene). Mp 159-161°.

Ackrell, J. *et al*, *J. Med. Chem.*, 1978, **21**, 1035 (*synth, pharmacol*)

Mroszczak, E.J. *et al*, *Drug Metab. Dispos.*, 1980, **8**, 415 (*metab*)

Rooks, W.H. *et al*, *Agents Actions*, 1980, **10**, 266 (*pharmacol*)

Thurber, T.C. *et al*, *J. Heterocycl. Chem.*, 1982, **19**, 961 (*synth*)

Cerelli, M.J. *et al*, *J. Med. Chem.*, 1986, **29**, 2347 (*pharmacol*)

Tiopropamine, INN **T-00303**

γ-Phenyl-[N*-3-(phenylthio)propyl]-benzenepropanamine,* 9CI. *3,3-Diphenyl-3'-(phenylthio)-dipropylamine. Thiopropamine. Redden*

[39516-21-7]

$Ph_2CHCH_2CH_2NH(CH_2)_3SPh$

$C_{24}H_{27}NS$ M 361.544

Antiinflammatory agent; used in treatment of peptic ulcers.

B,HCl: [49566-00-9]. Cryst. (2-propanol). Mp 115-116°.

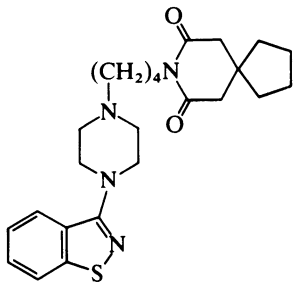
Ger. Pat., 2 232 939, (*1973*); *CA*, **78**, 97321b (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13350.

Tiospirone, INN **T-00304**

8-[4-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione, 9CI. *BMY 13859*

[87691-91-6]



$C_{24}H_{32}N_4O_2S$ M 440.602

Antipsychotic agent.

B,HCl: [87691-92-7]. Cryst. (2-propanol). Mp 219-220°.

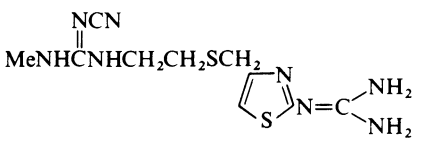
White, F.J. *et al*, *Neuropharmacology*, 1986, **25**, 995 (*pharmacol*)

Yevich, J.P. *et al*, *J. Med. Chem.*, 1986, **29**, 359 (*synth, pharmacol*)

Tiotidine, USAN, INN **T-00305**

N-[2-[[[2-[(*Aminoiminomethyl*)*amino*]-4-*thiazolyl*]-*methyl*]*thio*]*ethyl*]-N'-*cyano*-N''-*methylguanidine,* 9CI. N''-*Cyano*-N-[2-[[[2-[(*diaminomethylene*)*amino*]-4-*thiazolyl*]*methyl*]*thio*]*ethyl*]-N'-*methylguanidine. ICI 125,211*

[69014-14-8]



$C_{10}H_{16}N_8S_2$ M 312.410

Antihistaminic agent; H_2-receptor antagonist.

▷Tumourigenic in animals

B,HCl: Cryst. + $1H_2O$ (EtOH).

Maleate: Cryst. (MeOH). Mp 175-177°.

Fumarate: Cryst. (H_2O). Mp 188-190°.

U.S.P., 4 165 378, (*1979*); *CA*, **91**, 193297 (*synth, pharmacol*)

Levi, R. *et al*, *J. Pharmacol. Exp. Ther.*, 1980, **214**, 629 (*pharmacol*)

Robinson, G.E., *Chem. Ind. (London)*, 1983, 349 (*rev, manuf*)

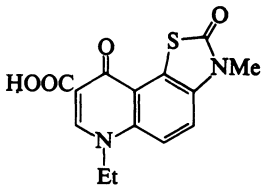
Spengler, J.P. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 377 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13351.

Tioxacin, INN **T-00306**

6-Ethyl-2,3,6,9-tetrahydro-3-methyl-2,9-dioxothiazolo[5,4-f]quinoline-8-carboxylic acid, 9CI. *DJ 1611*

[34976-39-1]



$C_{14}H_{12}N_2O_4S$ M 304.320

Bactericide. Needles (DMF). Mp >300°.

Me ester: [34976-46-0].

$C_{15}H_{14}O_4N_2S$ M 318.347

Needles (MeOH). Mp 274-275°.

Et ester: [41807-75-4].

$C_{16}H_{16}O_4N_2S$ M 332.373

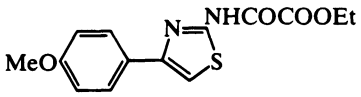
Needles (DMF). Mp 261-265°.

Kadoya, S. *et al, Chem. Pharm. Bull.*, 1976, **24**, 147, 1050 (*synth, pharmacol, uv*)

Tioxamast, INN **T-00307**

[[4-(4-Methoxyphenyl)-2-thiazolyl]amino]oxoacetic acid ethyl ester, 9CI. *F 1865*

[74531-88-7]



$C_{14}H_{14}N_2O_4S$ M 306.336

Antiallergic agent. Cryst. ($EtOH/Me_2CO$). Mp 164-165°.

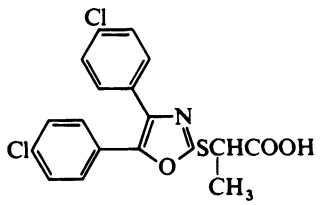
Hargrave, K.D. *et al, J. Med. Chem.*, 1983, **26**, 1158 (*synth, pharmacol*)

Cousse, H. *et al, Arzneim.-Forsch.*, 1986, **36**, 1391 (*synth, pharmacol*)

Tioxaprofen, BAN, INN **T-00308**

2-[[4,5-Bis(4-chlorophenyl)-2-oxazolyl]thio]propanoic acid, 9CI. *EMD 26644*

[40198-53-6]



$C_{18}H_{13}Cl_2NO_3S$ M 394.272

Platelet aggregation inhibitor. Uncoupler of mitochondrial respiration. Antiinflammatory agent. Mp 138-140°.

B.P., 1 331 408, (*1973*); *CA*, **78**, 84397f (*synth*)

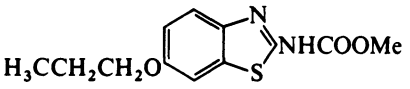
Deutsch, E. *et al, Arzneim.-Forsch.*, 1982, **32**, 388 (*pharmacol*)

Kawai, K. *et al, Experientia*, 1983, **39**, 889 (*pharmacol*)

Tioxidazole, USAN, INN **T-00309**

Methyl (6-propoxy-2-benzothiazolyl)carbamate, 9CI. *Tiox. Sch 21480*

[61570-90-9]



$C_{12}H_{14}N_2O_3S$ M 266.314

Anthelmintic. Cryst. Mp 178-180°.

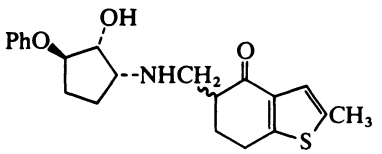
Ger. Pat., 2 617 198, (*1976*); *CA*, **86**, 55424x (*synth, pharmacol*)

Panitz, E. *et al, Experientia*, 1978, **34**, 733 (*pharmacol*)

Tipentosin, BAN, INN **T-00310**

6,7-Dihydro-5-[[(2-hydroxy-3-phenoxycyclopentyl)amino]methyl-2-methylbenzo[b]thiophen-4(5H)-one, 9CI

[95588-08-2]



$C_{21}H_{25}NO_3S$ M 371.493

Antihypertensive agent (angiotensin converting enzyme inhibitor). Cryst. (Et_2O). Opt. isomers known.

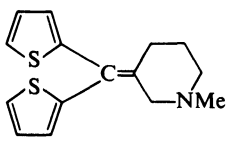
B,HCl: [95671-26-4]. *Tipentosin hydrochloride,* USAN. *MDL 19744.* Mp 185-187°.

McCarthy, J.R. *et al, J. Med. Chem.*, 1985, **28**, 1142 (*synth, pharmacol, cryst struct*)

Tipepidine, INN **T-00311**

3-(Di-2-thienylmethylene)-1-methylpiperidine, 9CI, 8CI. *Asverin. Antupex. Asvelik. Asvex. Bitiodin. Hustel. Nodal. Sotal. AT 327. CR 662*

[5169-78-8]



$C_{15}H_{17}NS_2$ M 275.426

Antitussive agent; expectorant. Yellow cryst. Mp 64-65°. Bp_{4-5} 178-184°.

▷TM7870000.

Citrate: [5169-77-7]. Yellow cryst. + $1H_2O$. Mp 138-139°.

2-(4-Hydroxybenzoyl)benzoate: [31139-87-4]. *Tipepidine hibenzate.* Mp 189-190°.

▷DH1960000.

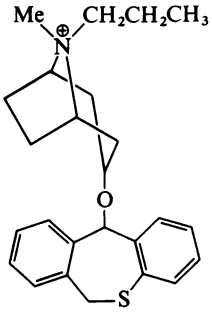
Kase, Y. *et al, Chem. Pharm. Bull.*, 1959, **7**, 372 (*synth, pharmacol*)

B.P., 924 544, (*1963*); *CA*, **59**, 11443e (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13352.

Tipetropium(1+) T-00312

3-[(6,11-Dihydrodibenzo[b,e]thiepin-11-yl)oxy]-8-methyl-8-propyl-8-azoniabicyclo[3.2.1]octane, 9CI. *3-[(6,11-Dihydrodibenzo[b,e]thiepin-11-yl)oxy]-propyltropanium. AA 28-263*



$C_{25}H_{32}NOS^{\oplus}$ M 394.594 (ion)

Bronchospasmolytic agent.

Bromide: [54376-91-9]. *Tipetropium bromide*, INN. $C_{25}H_{32}BrNOS$ M 474.498

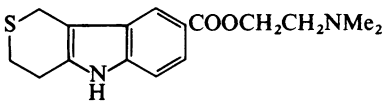
Two isomers prepd. (stereochemistry unknown). Mp 160°, Mp 205-206°.

Ger. Pat., 2 414 093, (*1974*); *CA*, **82**, 103152y (*synth, pharmacol*)

Tipindole, INN T-00313

2-(Dimethylamino)ethyl 1,3,4,5-tetrahydrothiopyrano[4,3-b]indole-8-carboxylate, 9CI, 8CI. *Thipindole. Typindole*

[7489-66-9]



$C_{16}H_{20}N_2O_2S$ M 304.406

Monamine oxidase inhibitor, antiserotonin agent. Mp 105-106°.

B,HCl: [14271-58-0]. Mp 237-239° dec.

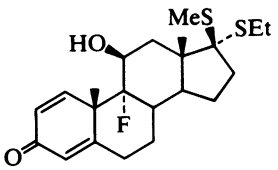
Kucherova, N.F. *et al*, *Zh. Obshch. Khim.*, 1962, **32**, 3645 (*synth*)

Pidevich, I.N. *et al*, *Farmakol. Toksikol.*, 1971, **34**, 663 (*pharmacol*)

Tipredane, INN T-00314

17-(Ethylthio)-9-fluoro-11-hydroxy-17-(methylthio)-androsta-1,4-dien-3-one, 9CI. *SQ 27239*

[85197-77-9]



$C_{22}H_{31}FO_2S_2$ M 410.604

Glucocorticoid. Topical antiinflammatory and antiallergic agent. Cryst. (EtOAc/hexane). Mp 275° dec.

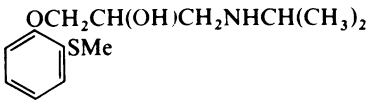
U.S.P., 4 361 559, (*1983*); *CA*, **98**, 143722 (*synth*)

Unger, S.E., *Int. J. Mass Spectrom.*, 1985, **66**, 195 (*ms*)

Wojnar, R.J. *et al*, *Arzneim.-Forsch.*, 1986, **36**, 1782, 1787 (*pharmacol*)

Tiprenolol, BAN, INN T-00315

1-[(1-Methylethyl)amino]-3-[2-(methylthio)phenoxy]-2-propanol, 9CI. *1-(Isopropylamino)-3-[o-(methylthio)-phenoxy]-2-propanol*, 8CI



$C_{13}H_{21}NO_2S$ M 255.374

(±)-form [26481-51-6]

β-Adrenergic blocker. Mp 87.5-90.5°.

B,HCl: [39832-43-4]. *Tiprenolol hydrochloride*, USAN. *DU 21445*. Mp 125-127°.

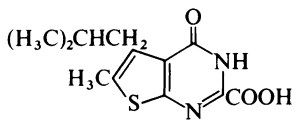
Netherlands Pat., 6 504 268, (*1966*); *CA*, **66**, 37641 (*synth, pharmacol*)

Kesteloot, H. *et al*, *Eur. J. Pharmacol.*, 1973, **21**, 257 (*pharmacol*)

Tiprinast, INN T-00316

3,4-Dihydro-5-methyl-6-(2-methylpropyl)-4-oxothieno[2,3-d]pyrimidine-2-carboxylic acid, 9CI

[83153-39-3]



$C_{12}H_{14}N_2O_3S$ M 266.314

Antiallergic agent. Cryst. Mp 140.5-141.5° (as monohydrate).

1-Deoxy-1-methylamino-D-glucitol salt: [83198-90-7]. *Tiprinast meglumine*, USAN. *MJ 12,175-170*. Mp 180.5-182°.

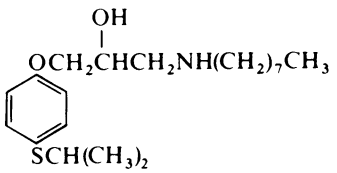
Ger. Pat., 3 231 103, (*1983*); *CA*, **98**, 204410s (*synth, pharmacol*)

Gillespie, E. *et al*, *Int. J. Immunopharmacol.*, 1985, **7**, 655 (*props*)

Tipropidil, INN T-00317

1-[4-[(1-Methylethyl)thio]phenoxy]-3-(octylamino)-2-propanol, 9CI

[70895-45-3]



$C_{20}H_{35}NO_2S$ M 353.562

Vasodilator.

B,HCl: [70895-39-5]. *Tipropidil hydrochloride*, USAN. *MJ 12880-1*. Cryst. (EtOH). Mp 171-173° (186.5°).

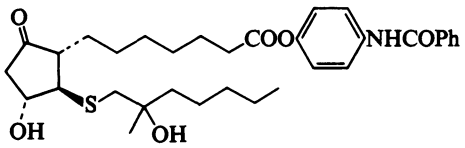
U.S.P., 4 243 681, (*1981*); *CA*, **96**, 34812 (*synth, pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13353.

Tiprostanide, BAN, INN, USAN **T-00318**

4-(Benzoylamino)phenyl 3-hydroxy-2-[(2-hydroxy-2-methylheptyl)thio]-5-oxocyclopentaneheptanoate, 9CI. 11,15-Dihydroxy-15-methyl-9-oxo-13-thiaprostanoic acid p-benzoylaminophenyl ester

[67040-53-3]



$C_{33}H_{45}NO_6S$ M 583.782

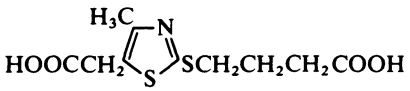
Antihypertensive, gastric antisecretory agent. Cryst. (Et_2O). Mp 74-76°.

Ger. Pat., 2 644 972, (*1978*); *CA*, **89**, 42575j (*synth*)

Tiprotimod, INN **T-00319**

2-[(3-Carboxypropyl)thio]-4-methyl-5-thiazoleacetic acid

[105523-37-3]



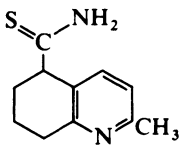
$C_{10}H_{13}NO_4S_2$ M 275.337

Immunostimulant. Antineoplastic agent. Cryst. (EtOAc). Mp 121°.

Ger. Pat., 3 508 665, (*1986*); *CA*, **106**, 5020 (*synth, pharmacol*)

Tiquinamide, BAN, INN **T-00320**

5,6,7,8-Tetrahydro-3-methyl-8-quinolinecarbothioamide, 9CI



$C_{11}H_{14}N_2S$ M 206.305

Needles (C_6H_6). Mp 149-150°.

(±)-*form*

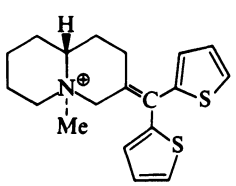
Inhibits gastric secretion, used for treatment of ulcers.

B,HCl: Tiquinamide hydrochloride, USAN. Wy 24081. Mp 244-245°.

Beattie, D.E. *et al*, *Br. J. Clin. Pharmacol.*, 1976, **3**, 943.
Curran, A.C.W. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1976, 977, 983 (*synth*)
Beattie, D.E. *et al*, *J. Med. Chem.*, 1977, **20**, 714 (*pharmacol*)
Crossley, R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, 1917 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13354.

Tiquizium(1+) **T-00321**

3-(Di-2-thienylmethylene)octahydro-5-methyl-2H-quinolizinium, 9CI



$C_{19}H_{24}NS_2^{\oplus}$ M 330.525 (ion)

Spasmolytic agent.

Bromide: [71731-58-3]. *Tiquizium bromide, INN.*
$C_{19}H_{24}BrNS_2$ M 410.429
Prisms. Mp 246-248° dec.

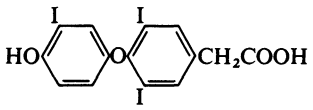
▷VC8608000.

Koshinaka, E. *et al*, *Chem. Pharm. Bull.*, 1979, **27**, 1454 (*synth, pharmacol, nmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1276.

Tiratricol, INN **T-00322**

[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzeneacetic acid, 9CI. [4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid, 8CI. 3,5,3'-Triodothyroacetic acid. Nidolin. TA_3. Teatrois. Triac. Triacum

[51-24-1]



$C_{14}H_9I_3O_4$ M 621.936

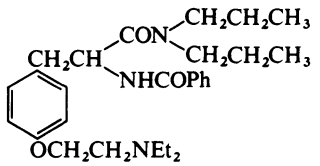
Thyroid hormone supplement. Mp 162°.

▷AI1980000.

Wilkinson, J.H. *et al*, *Biochem. J.*, 1956, **63**, 601 (*synth, chromatog*)
Bellabarba, D. *et al*, *J. Clin. Endocrinol. Metab.*, 1968, **28**, 297 (*chromatog*)
Goslings, B. *et al*, *Endocrinology*, 1976, **98**, 666 (*metab, pharmacol*)
Cody, V. *et al*, *J. Med. Chem.*, 1977, **20**, 1628 (*cryst struct*)
Mazzocchi, P.H. *et al*, *Org. Magn. Reson.*, 1978, **11**, 143 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9009.

Tiropramide, INN **T-00323**

α-(Benzoylamino)-4-[2-(diethylamino)ethoxy]-N,N-dipropyl]benzenepropanamide, 9CI. α-Benzamido-p-[2-(diethylamino)ethoxy]-N,N-dipropylhydrocinnamide. Alfospas. Maiorad. CR 605



$C_{28}H_{41}N_3O_3$ M 467.650

(±)-*form* [55837-29-1]

Muscle relaxant, analgesic and spasmolytic.

▷DA8325600.

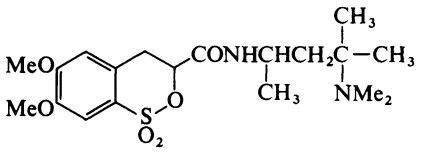
B,HCl: [57227-16-4]. Cryst. (Me_2CO/EtOH). Mp 181-183°.

Ger. Pat., 2 503 992, (*1975*); *CA*, **83**, 193728p (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17012.

Tisocromide, INN **T-00324**

N-[*3-(Dimethylamino)-1,3-dimethylbutyl*]-*3,4-dihydro-6,7-dimethoxy-2,1-benzoxathian-3-carboxamide 1,1-dioxide*, *8CI*. *Impavido*. *16-244 AWD*. *DMAH*

[35423-51-9]



$C_{19}H_{30}N_2O_6S$ M 414.516

Sedative. Cryst. (2-propanol). Mp 160-162°.

B,HNO₃: Cryst. (H_2O). Mp 189-195° dec.

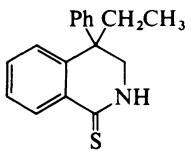
Salicylate: Cryst. (EtOH). Mp 175-178°.

E. Ger. Pat., 81 115, (*1971*); *CA*, **76**, 85827s (*synth, pharmacol*)
Schmidt, J. *et al*, *Pharmazie*, 1979, **34**, 296 (*props*)
Poepel, W. *et al*, *Pharmazie*, 1980, **35**, 266 (*synth, pharmacol*)

Tisoquone, INN **T-00325**

4-Ethyl-3,4-dihydro-4-phenyl-1(2H)-isoquinolinethione, *9CI*. *4-Ethyl-3,4-dihydro-4-phenylthioisocarbostyril*

[40692-37-3]



$C_{17}H_{17}NS$ M 267.388

(±)-form

Hypolipaemic agent. Cryst. (EtOH/DMF). Mp 171-173°.

Ger. Pat., 2 143 745, (*1973*); *CA*, **78**, 147823q (*synth, pharmacol*)

Titanium dioxide **T-00326**

Titanium oxide. *CI Pigment White 6*. *CI 77891*

[13463-67-7]

TiO_2

O_2Ti M 79.879

Two cryst. forms known: anatase and rutile. Topical protectant. Used as a sunscreen agent. Used extensively in pigment industry. White powder. Mp 1560° (anatase). Dec. at 1640° (rutile).

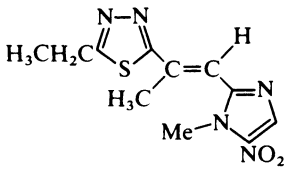
▷XR2275000.

U.S.P., 2 760 874, (*1956*)
Czanderna, *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 5407 (*synth*)
Brauer, G., *Handbuch. Prap. Anorg. Chem.*, 3rd Ed., 1975-1981, 1366 (*synth*)
Lowenheim, F.A. *et al* (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 814 (*synth*)
Whitehead, J., *Kirk-Othmer Encycl. Chem. Tech.*, 3rd Ed., 1978-1984, Wiley-Interscience, N.Y., **23**, 139 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1655.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3279.

Tivanidazole, INN **T-00327**

2-Ethyl-5-[1-methyl-2-(1-methyl-5-nitro-1H-imidazol-2-yl)ethenyl]-1,3,4-thiadiazole, *9CI*

[80680-05-3]



(*E*)-*form*

$C_{11}H_{13}N_5O_2S$ M 279.316

(*E*)-form

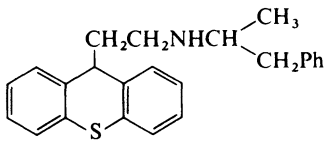
Antiprotozoal, trichomonacide. Cryst. (2-propanol). Mp 125°.

U.S.P., 4 218 460, (*1980*); *CA*, **94**, 30764 (*synth, pharmacol*)

Tixadil, INN **T-00328**

N-(*α-Methylphenethyl*)*thioxanthene-9-ethylamine*

[2949-95-3]



$C_{24}H_{25}NS$ M 359.528

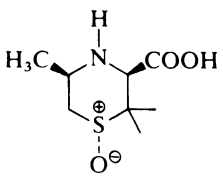
Coronary vasodilator, sedative.

B,HCl: BS 7561. Mp 222-224°.

Hofman, P.S. *et al*, *Arzneim.-Forsch.*, 1965, **15**, 1081 (*synth*)
Fr. Pat., 1 450 391, (*1966*); *CA*, **67**, 21741 (*synth, pharmacol*)

Tizabrin, INN **T-00329**

2,2,5-Trimethyl-3-thiomorpholinecarboxylic acid 1-oxide, *9CI*



(1*R*,3*S*,5*R*)-*form*

$C_8H_{15}NO_3S$ M 205.271

(*1R,3S,5R*)-form [83573-53-9]

Antithrombotic, fibrinolytic agent.

B,HCl: [84985-40-0]. Mp 246° dec. $[\alpha]_D^{20}$ −3.5° (c, 1 in 1*N* HCl).

(*1S,3S,5R*)-form

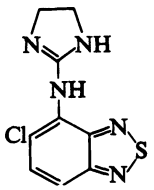
B,HCl: [84985-36-4]. Mp 275°. $[\alpha]_D^{20}$ +73° (c, 1 in 1*N* HCl).

Belg. Pat., 893 025, (*1982*); *CA*, **98**, 126134p (*synth, pharmacol*)

Tizanidine, BAN, INN **T-00330**

5-Chloro-N-(4,5-dihydro-1H-imidazol-2-yl)-2,1,3-benzothiadiazol-4-amine, 9CI. 5-Chloro-2,1,3-benzothiadiazol-4-yl(2-imidazolin-2-yl)amine. Sirdalud. DS 103-282

[51322-75-9]



$C_9H_8ClN_5S$ M 253.709

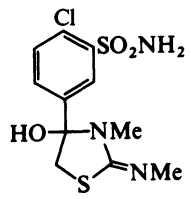
Spasmolytic drug. Cryst. (MeOH). Mp 221-223°.

U.S.P., 3 843 668, (*1973*); *CA*, **80**, 37120s (*synth, pharmacol*)
Sayers, A.C. *et al*, *Arzneim.-Forsch.*, 1980, **30**, 793 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13357.

Tizolemide, BAN, INN **T-00331**

2-Chloro-5-[4-hydroxy-3-methyl-2-(methylimino)-4-thiazolidinyl]benzenesulfonamide, 9CI. 4-(4-Chloro-3-sulfamoylphenyl)-3-methyl-2-methylimino-1,3-thiazolidin-4-ol. Hoe 740. S 73 0740B

[56488-58-5]



$C_{11}H_{14}ClN_3O_3S_2$ M 335.823

(±)-form

Diuretic. Mp 187-188° dec.

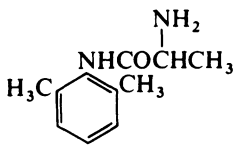
B,HCl: [56488-57-4]. Cryst. Mp 210° dec.

Ger. Pat., 2 436 263, (*1976*); *CA*, **85**, 63054w (*synth*)
Beermann, B. *et al*, *Clin. Nephrol.*, 1983, **19**, 124 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17013.

Tocainide, BAN, USAN, INN **T-00332**

2-Amino-N-(2,6-dimethylphenyl)propanamide, 9CI. 2-Amino-2',6'-propionoxylidide. Alanino-2',6'-xylidide

[41708-72-9]



$C_{11}H_{16}N_2O$ M 192.260

(S)-form [53984-75-1]

Cryst. $[\alpha]_D$ +24.9° (c, 1.69 in MeOH).

B,HCl: [53984-76-2]. Cryst. Mp 264.5°. $[\alpha]_D$ +43.7° (c, 2.63 in MeOH).

(±)-form

Antiarrhythmic drug.

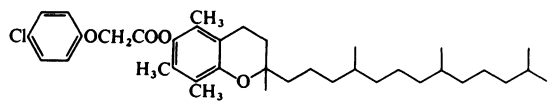
B,HCl: [41708-72-9]. *Citocard. Taquidil. Tonocard. Xylotocan. Astra W 36095. W 36095.* Cryst. (EtOH/Et_2O). Mp 246-247°.

Ger. Pat., 2 400 540, (*1974*); *CA*, **82**, 31165e (*synth, pharmacol*)
Schoenenberger, H. *et al*, *Pharmazie*, 1976, **31**, 30 (*synth, isom*)
Byrnes, E.W. *et al*, *J. Med. Chem.*, 1979, **22**, 1171 (*synth, resoln, pharmacol*)
Holmes, B. *et al*, *Drugs*, 1983, **26**, 93 (*rev, pharmacol*)
McErlane, K.M. *et al*, *J. Chromatogr.*, 1983, **274**, 129 (*resoln, pharmacol*)
Kutalek, S.P. *et al*, *Ann. Intern. Med.*, 1985, **103**, 387 (*rev, pharmacol*)
Morganroth, J. *et al*, *Am. Heart J.*, 1985, **110**, 856 (*rev, uses*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7793.

Tocofenoxate, INN **T-00333**

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-yl (4-chlorophenoxy)acetate, 9CI. 2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-6-chromanyl (p-chlorophenoxy)acetate. DAN 271. p-CT

[61343-44-0]



$C_{37}H_{55}ClO_4$ M 599.292

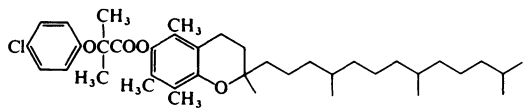
Semisynthetic tocopherol deriv. Vitamin E supplement.

Spanish Pat., 417 893, (*1976*); *CA*, **86**, 29960z (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7894, 7895.

Tocofibrate, INN **T-00334**

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-yl 2-(4-chlorophenoxy)-2-methylpropanoate, 9CI. 2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-6-chromanyl 2-(p-chlorophenoxy)-2-methylpropionate. Cloferol

[50465-39-9]



$C_{39}H_{59}ClO_4$ M 627.346

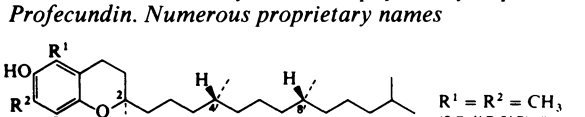
Anticholesterolaemic agent. Light-yellow oil. d_4^{20} 1.036.

▷UA2458000.

Ger. Pat., 2 304 941, (*1973*); *CA*, **79**, 126669z (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3916.

α-Tocopherol **T-00335**

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-ol, 9CI. 5,7,8-Trimethyltocol. Vitamin E. Antisterility vitamin. Ephynal. Syntopherol. Profecundin. Numerous proprietary names



$C_{29}H_{50}O_2$ M 430.713

(2R,4'R,8'R)-form [59-02-9]

Constit. of many vegetable oils. Nutritional factor. Has been used to promote fertility. Viscous oil, cryst. (MeOH at −35°). Mp 2.5-3.5°. $Bp_{0.000001}$ 140°. $[\alpha]_D^{25}$ +0.65° (EtOH). Thermostable.

▷DJ2900000.

Ac: [58-95-7]. *Alfacol. Fertilvit. Tocophrin.* **α-Tocopherol acetate**. *Vitamin* E *acetate. Numerous proprietary names.*
$C_{31}H_{52}O_3$ M 472.750
Vitamin *E* supplement. Oil. Mp 26.5-27.5°. $Bp_{0.02}$ 205° (bath). $[\alpha]_D^{25}$ +3.03° (c, 5 in EtOH).
▷GP8588000.
p-*Phenylazobenzoyl:* Cryst. Mp 62-64°. $[\alpha]_{600}$+6.99° (c, 3.33 in $CHCl_3$).
3-Carboxypropanoyl: [4345-03-3]. **α-Tocopherol succinate**. *Numerous proprietary names.*
$C_{33}H_{54}O_5$ M 530.787
Needles (pet. ether). Mp 76-77°.
3-Pyridinecarbonyl: [16676-75-8]. **α-Tocopherol nicotinate**. *Vitamin* E *nicotinate. Numerous proprietary names.*
$C_{35}H_{53}NO_3$ M 535.809
Vasodilator. Yellow oil, solid. Mp ca. 38°.
Ester with Polyethylene glycol succinate: [30999-06-5]. **Tocophersolan, USAN**. *Tocofersolan, INN.* Vitamin E supplement. Antioxidant.

(2S,4'R,8'R)-form
Oil. $[\alpha]_D$ +0.34° (EtOH).
p-*Phenylazobenzoyl:* Mp 75-76.5°. $[\alpha]_{600}$−7.65° (c, 3.57 in $CHCl_3$).

(2R,4'RS,8'RS)-form
Pale-yellow oil.
Ac: $Bp_{0.1}$ 245-250°. $[\alpha]_D$ +1.9°.
p-*Phenylazobenzoyl:* Mp 58.5-60°. $[\alpha]_{600}$+6.96° (c, 2.08 in $CHCl_3$).

(2S,4'RS,8'RS)-form
Oil.
Ac: Oil.
p-*Phenylazobenzoyl:* Cryst. Mp 58.5-60.5°. $[\alpha]_{600}$−7.47° (c, 2.08 in $CHCl_3$).

(2RS,4'RS,8'RS)-form
4-Aminobenzoyl: Cryst. (MeOH). Mp 158-159°.

Baxter, J.G. *et al, J. Am. Chem. Soc.*, 1943, **65**, 918 (*succinate*)
Praill, P.F. *et al, J. Chem. Soc.*, 1959, 3100 (*synth*)
Robeson, C.D. *et al, J. Am. Chem. Soc.*, 1962, **84**, 3196 (*isol*)
Meyer, H. *et al, Helv. Chim. Acta*, 1963, **46**, 650, 963 (*synth, abs config*)
Fr. Pat., M6320, (*1968*); *CA*, **74**, 79582 (*nicotinate*)
Nakamura, A. *et al, Chem. Pharm. Bull.*, 1971, **19**, 2318 (*synth*)
Scheppele, S.E. *et al, Lipids*, 1972, **7**, 297 (*ms*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 111 (*bibl*)
Gatlin, L.A. *et al, Drug Intell. Clin. Pharm.*, 1975, **9**, 655 (*Tocophersolan, rev*)
Cohen, N. *et al, J. Org. Chem.*, 1976, **41**, 3505 (*synth*)
Matsuo, M. *et al, Tetrahedron*, 1976, **32**, 229 (*pmr*)
Schultz, G. *et al, Phytochemistry*, 1976, **15**, 1383 (*biosynth*)
Scott, J.W. *et al, Helv. Chim. Acta*, 1976, **59**, 290 (*synth*)
Chan, K.-K. *et al, J. Org. Chem.*, 1978, **43**, 3435 (*synth*)
Nakamura, T. *et al, J. Nutr. Sci. Vitiminol.*, 1978, **24**, 459; 1979, **25**, 159 (*pharmacol, esters*)
Akkerman, J.M. *et al, J. Chem. Soc., Perkin Trans. 1*, 1979, 2124 (*synth*)
Cohen, N. *et al, J. Am. Chem. Soc.*, 1979, **101**, 6710 (*synth*)
Olson, G.L. *et al, J. Org. Chem.*, 1980, **45**, 803 (*synth*)
Urano, S. *et al, Chem. Pharm. Bull.*, 1980, **28**, 1992 (*cmr*)
Cohen, N. *et al, Helv. Chim. Acta*, 1981, **64**, 1158 (*synth, isom*)
Suzuki, N. *et al, J. Nutr. Sci. Vitiminol.*, 1983, **29**, 93 (*nicotinate, metab*)
Ballester-Rodes, M. *et al, Synth. Commun.*, 1984, **14**, 515 (*nicotinate, synth*)
Burton, G.W. *et al, Acc. Chem. Res.*, 1986, **19**, 194 (*rev, props*)
Furuya, T. *et al, Phytochemistry*, 1987, **26**, 2741 (*biosynth*)
Inoue, S. *et al, J. Org. Chem.*, 1987, **52**, 5495 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7835, 7936, 8009, 8074.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7893, 7894, 7895, 7896,7897, 7898, 7899.

β-Tocopherol T-00336

3,4-Dihydro-2,5,8-trimethyl-2-(4,8,12-trimethyltridecyl)-2H-1-benzopyran-6-ol, 9CI. 2,5,8-Trimethyl-2-(4,8,12-trimethyltridecyl)chroman-6-ol, 8CI. 5,8-Dimethyltocol. Cumotocopherol. Neotocopherol. p-*Xylotocopherol*

[148-03-8]

As α-Tocopherol, T-00335 with

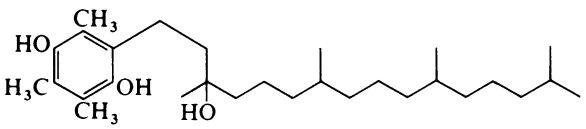
$$R^1 = CH_3, R^2 = H$$

$C_{28}H_{48}O_2$ M 416.686
Occurs in wheat-germ oil, soybean oil, corn oil and turtle oil. Accompanies Vitamin *E* (α-tocopherol and γ-tocopherol in natural sources). Antioxidant. Pale-yellow viscous oil. $Bp_{0.1}$ 200-210°. $[\alpha]_D^{20}$ +6.37°. Thermostable; resistant to acids and alkalis.
3,5-Dinitrobenzoyl: Mp 86-87°.
Ac: Pale-yellow oil. $Bp_{0.3}$ 215-220°.

Karrer, P. *et al, Helv. Chim. Acta*, 1938, **21**, 1234; 1939, **22**, 260 (*synth, struct*)
Mayer, H. *et al, Helv. Chim. Acta*, 1963, **46**, 963 (*abs config*)
Pearson, C.K. *et al, Br. J. Nutr.*, 1970, **24**, 581 (*metab*)
Nakamura, A. *et al, Chem. Pharm. Bull.*, 1971, **19**, 2318 (*synth*)
Scheppele, S.E. *et al, Lipids*, 1972, **7**, 297 (*ms*)
Matsuo, M. *et al, Tetrahedron*, 1976, **32**, 229 (*cmr*)
Tangney, C.C. *et al, J. Chromatogr.*, 1979, **172**, 513 (*purifn*)
Burton, G.W. *et al, J. Am. Chem. Soc.*, 1981, **103**, 6472 (*activity*)
Pure Appl. Chem., 1982, **54**, 1507 (*nomenclature*)
Urano, S. *et al, Heterocycles*, 1985, **23**, 2793 (*synth*)

α-Tocopherolhydroquinone T-00337

[14745-36-9]



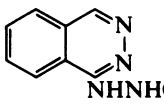
$C_{29}H_{52}O_3$ M 448.728
Constit. of maize. Oil.
Tri-Ac:
$C_{35}H_{58}O_6$ M 574.840
Cryst. (EtOH). Mp 75°.
1,4-Quinone: [7559-04-8]. *α-Tocopherolquinone. α-Tocoquinone. Eutrophyl. Ipotensil. Metorena. Tensiopress. Trimina. Vitapressina. D 178.*
$C_{29}H_{50}O_3$ M 446.712
Constit. of maize, barley and holly. Antihypertensive agent. Platelet aggregation inhibitor. Oil. $Bp_{0.002}$ 120°.
▷DK5170000.

Tishler, M. *et al, J. Am. Chem. Soc.*, 1941, **63**, 1532 (*struct*)
MacKenzie, J.B. *et al, J. Biol. Chem*, 1950, **183**, 655 (*props*)
Cairella, M. *et al, Clin. Terap.*, 1964, **31**, 278 (*pharmacol*)
Chow, C.K. *et al, Lipids*, 1967, **2**, 390 (*metab*)
Kleeva, L.P. *et al, Zh. Org. Khim.*, 1968, **4**, 1171 (*synth*)
Whistace, J. *et al, Biochem. J.*, 1968, **109**, 577 (*biosynth*)
Rao, G.H.R. *et al, Prog. Lipids Res.*, 1981, **20**, 549 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7900.

Todralazine, BAN, INN **T-00338**

Ethyl 2-(1-phthalazinyl)hydrazine carboxylate, 9CI. Ethyl 3-phthalazin-1-yl carbazate, 8CI. Ecarazine. Numerous proprietary names

[14679-73-3]



$C_{11}H_{12}N_4O_2$ M 232.241

Antihypertensive agent. Used mainly as hydrochloride.

▷FE2778000.

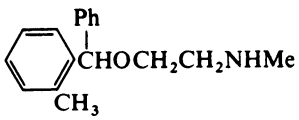
B,HCl: [3778-76-5]. *Ecarazine hydrochloride, JAN. Binazine.* Cryst. + $1H_2O$. Mp 212° dec.

Biniecki, S. *et al, Bull. Acad. Pol. Sci., Ser. Chim.*, 1958, **6**, 227; *CA*, **52**, 18424 (*synth*)
East Ger. Pat., 31 884, (*1965*); *CA*, **64**, 2102 (*synth*)
Ishii, A. *et al, Yakugaku Zasshi*, 1973, **93**, 1383 (*synth, metab*)
Chojnacki, J. *et al, Rocz. Chem.*, 1975, **49**, 1163 (*cryst struct*)
Playle, A.C., *Drugs of Today*, 1976, **12**, 468 (*rev, pharmacol*)
Reiterer, W. *et al, Arzneim.-Forsch.*, 1977, **27**, 2163 (*use*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1926.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13358.

Tofenacin, BAN, INN **T-00339**

N-Methyl-2-[(2-methylphenyl)phenylmethoxy]-ethanamine, 9CI. N-Methyl-2-[(o-methyl-α-phenylbenzyl)oxy]ethylamine, 8CI. N-Demethylorphenadrine

[15301-93-6]



$C_{17}H_{21}NO$ M 255.359

(±)-form

Antiparkinsonian drug, antidepressant. $Bp_{0.7}$ 139-143°.

B,HCl: [10488-36-5]. *Tofenacin hydrochloride, USAN. Elamol. Tofacine. BS 7331.* Off-white cryst. powder. Sol. H_2O, EtOH, MeOH, $CHCl_3$. Mp 143-147°.

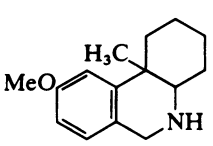
▷KR9100000.

Belg. Pat., 628 167, (*1964*); *CA*, **60**, 11942
Funcke, A.B.H. *et al, Arch. Int. Pharmacodyn. Ther.*, 1969, **177**, 28 (*pharmacol*)
Hespe, W. *et al, Eur. J. Pharmacol.*, 1969, **8**, 119 (*metab*)
van der Stelt, C. *et al, Arzneim.-Forsch.*, 1969, **19**, 2010 (*resoln*)
den Bestern, I. *et al, Arzneim.-Forsch.*, 1970, **20**, 538 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2536.

Tofetridine, INN **T-00340**

1,2,3,4,4a,5,6,10b-Octahydro-9-methoxy-10b-methyl-phenanthridine, 9CI

[40173-75-9]



$C_{15}H_{21}NO$ M 231.337

Analgesic.

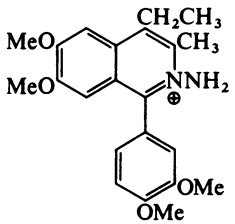
B,HCl: [16117-45-6]. *NIH 8973.* Mp 219-220°.

Netherlands Pat., 6 609 049, (*1967*); *CA*, **67**, 82116n (*synth, resoln*)
Swiss Pat., 530 401, (*1972*); *CA*, **78**, 84284s (*synth, pharmacol*)
Swain, H.H. *et al, Probl. Drug Depend.*, 1976, 768 (*pharmacol*)

Tofisoline **T-00341**

2-Amino-1-(3,4-dimethoxyphenyl)-4-ethyl-6,7-dimethoxy-3-methylisoquinolinium hydroxide inner salt, 9CI. 1-(3,4-Dimethoxyphenyl)-4-ethyl-6,7-dimethoxy-3-methylisoquinoline-2-imide

[29726-99-6]



$C_{22}H_{26}N_2O_4$ M 382.458

Tranquilliser. Cryst. (2-propanol). Mp 156-157°.

B,HCl: [29473-70-9]. Mp 217.5°.

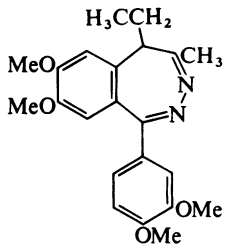
Picrate: [29473-71-0]. Mp 204°.

B.P., 1 202 579, (*1970*); *CA*, **73**, 109706t (*synth, pharmacol*)
Korosi, J. *et al, Acta Chim. Hung.*, 1983, **114**, 301 (*salts*)

Tofisopam, INN **T-00342**

1-(3,4-Dimethoxyphenyl)-5-ethyl-7,8-dimethoxy-4-methyl-5H-2,3-benzodiazepine, 9CI. Grandaxine. Grandexin. Felicyl. Sériel. Tavor. Egyt 341. SD 19050

[22345-47-7]



$C_{22}H_{26}N_2O_4$ M 382.458

▷DE9540000.

(R)-form [82059-50-5]

Mp 145°. $[\alpha]_{546}^{22}$+250° (c, 3 in $CHCl_3$).

(S)-form [82059-51-6]

Mp 142°. $[\alpha]_{546}^{20}$−265° (c, 3 in $CHCl_3$).

(±)-form [87555-18-8]

Tranquilliser. Cryst. (2-propanol). Mp 156-157°.

B,HCl: Cryst. (MeOH). Mp 220-221° dec.

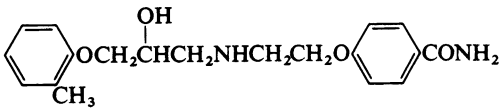
Picrate: Cryst. (EtOH). Mp 206-209° dec.

Korosi, J. *et al, Chem. Ber.*, 1974, **107**, 3883, 3894 (*synth, pmr, cmr, ms*)
Korosi, J. *et al, Ther. Hung.*, 1975, **23**, 132, 134 (*synth, pharmacol, rev*)
Elekes, I. *et al, Farmaco, Ed. Prat.*, 1981, **36**, 542 (*metab*)
Neszmelyi, A. *et al, Acta Chim. Hung.*, 1983, **114**, 293 (*synth, cmr*)
Toth, G. *et al, J. Heterocycl. Chem.*, 1983, **20**, 709 (*resoln, cd*)
Fogassy, E. *et al, Stud. Org. Chem. (Amsterdam)*, 1984, **18**, 229 (*cryst struct*)
Gatta, F. *et al, Farmaco, Ed. Sci.*, 1985, **40**, 942 (*synth*)
Pellow, S. *et al, Neurosci. Biobehav. Rev.*, 1986, **10**, 221 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7118.

Tolamolol, BAN, INN, USAN **T-00343**

4-[2-[[2-Hydroxy-3-(2-methylphenoxy)propyl]amino]-ethoxy]benzamide, 9CI

[38103-61-6]



$C_{19}H_{24}N_2O_4$ M 344.410

(±)-*form*

β-Adrenergic blocker. Mp 157-159°.

B,HCl: [51599-37-2]. *Coptin. UK 6558-01.*

Taylor, S.H. *et al, Int. J. Clin. Pharmacol. Biopharm.*, 1975, **12**, 305 (*pharmacol*)

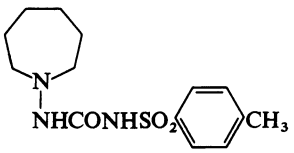
Ger. Pat., 2 503 222, (*1976*); *CA*, **85**, 123572a (*synth*)

Marmo, E. *et al, Agressologie*, 1976, **17**, 361 (*pharmacol*)

Tolazamide, BAN, USAN, INN, JAN **T-00344**

N-[[(*Hexahydro-1H-azepin-1-yl*)*amino*]*carbonyl*]-*4-methylbenzenesulfonamide,* 9CI. *1-(Hexahydro-1H-azepin-1-yl)-3-*(p-*tolysulfonyl*)*urea,* 8CI. *Cyclotolheptamide. Tolinase. NSC 70762. Other proprietary names*

[1156-19-0]



$C_{14}H_{21}N_3O_3S$ M 311.398

Oral hypoglycaemic agent. Mp 170-173°.

▷YT4400000.

Wright, J.B. *et al, J. Med. Chem.*, 1962, **5**, 815 (*synth, pharmacol*)

Puls, W. *et al, Arzneim.-Forsch.*, 1974, **24**, 375 (*pharmacol*)

Butula, I. *et al, Croat. Chem. Acta*, 1979, **52**, 47 (*synth*)

Kamenar, B. *et al, Croat. Chem. Acta*, 1983, **56**, 87 (*cryst struct*)

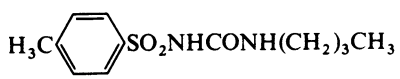
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3310.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7233.

Tolbutamide, BAN, INN **T-00345**

N-[(*Butylamino*)*carbonyl*]-*4-methylbenzenesulfonamide,* 9CI. *1-Butyl-3-*(p-*tolylsufonyl*)*urea,* 8CI. *Orinase. Pramidex. Rastinon. Numerous proprietary names*

[64-77-7]



$C_{12}H_{18}N_2O_3S$ M 270.346

Polymorphic. Oral hypoglycaemic agent. Diabetic diagnostic aid. Cryst. Insol. H_2O, sol. $CHCl_3$, dil. acids and alkalis. Mp 128.5-129.5°.

▷YS4550000.

Na salt: [473-41-6]. *Tolbutamide sodium,* USAN. Cryst. + $4H_2O$. V. sol. H_2O, EtOH, $CHCl_3$. Mp 41-43° (130-133° anhydr.).

▷YS4552000.

Tull, R. *et al, J. Chem. Soc.* (*C*), 1967, 701.

Rehse, K., *Fresenius' Z. Anal. Chem.*, 1969, **246**, 22 (*nmr*)

Shafranskii, V.N. *et al, Zh. Obshch. Khim.*, 1971, **41**, 2728 (*ir*)

Beyer, W.F. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 513, 1984, **13**, 719 (*synth, pharmacol*)

Matin, S.B. *et al, Biomed. Mass Spectrom.*, 1974, **1**, 323 (*ms*)

Al-Saieq, S.S. *et al, Pharm. Acta Helv.*, 1981, **56**, 125 (*polymorphs*)

Nirmala, K.A. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 1597 (*cryst struct*)

Donaldson, J.D. *et al, Acta Crystallogr., Sect. B*, 1981, **37**, 2245 (*cryst struct*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2506.

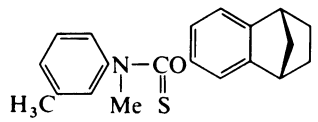
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7234.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 603.

Tolciclate, USAN, INN, JAN **T-00346**

O-(*1,2,3,4-Tetrahydro-1,4-methanonaphthalen-6-yl*)*methyl*(*3-methylphenyl*)*carbamothioate,* 9CI. *Fungifos. Kilmicen. Toskil. Tolmicen. Tolmicol. K 9147. KC 9147*

[50838-36-3]



$C_{20}H_{21}NOS$ M 323.452

Antifungal agent. Mp 92-94°.

▷FD3920000.

Melloni, P. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1974, **9**, 26 (*synth, pharmacol*)

Bianchi, A. *et al, Antimicrob. Agents Chemother.*, 1977, **12**, 429 (*props*)

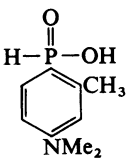
De Angelis, L., *Drugs of Today*, 1981, **17**, 93 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3008.

Toldimfos, BAN, INN **T-00347**

[*4-(Dimethylamino)-2-methylphenyl*]*phosphinic acid,* 9CI. *4-Dimethylamino-*o-*tolylphosphinic acid*

[57808-64-7]



$C_9H_{14}NO_2P$ M 199.189

Phosphorus source in tonics, used in veterinary medicine. Used mainly as Na salt.

Na salt: [575-75-7]. *Tonophosphan. Novofosfan. Phinifos. Phosodyl. Tonofosfan. Numerous proprietary names.* Cryst. + $3H_2O$. Sl. sol. cold H_2O, hot EtOH.

Ger. Pat., 397 813; *Chem. Zentralbl.*, 1924, **2**, 1271 (*synth*)

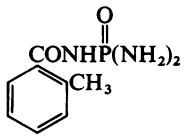
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1302.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13359.

Tolfamide, USAN, INN **T-00348**

N-(*Diaminophosphinyl*)-*2-methylbenzamide*, *9CI*. N-(*Diaminophosphinyl*)-o-*toluamide*. *EU 4584*

[70788-29-3]



$C_8H_{12}N_3O_2P$ M 213.175

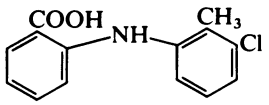
Urease inhibitor. Cryst. (H_2O). Softens at 162°; dec. at 310-348°.

U.S.P., 4 182 881, (*1980*); *CA*, **92**, 146458b (*synth*)

Tolfenamic acid, BAN, INN, JAN **T-00349**

2-[(3-Chloro-2-methylphenyl)amino]benzoic acid, *9CI*. N-(*3-chloro-o-tolyl*)*anthranilic acid*. *3'-Chloro-2'-methyldiphenylamine-2-carboxylic acid*. *Clotam*. *GEA 6414*

[13710-19-5]



$C_{14}H_{12}ClNO_2$ M 261.707

Antiinflammatory, analgesic, antirheumatic agent. Mp 207-207.5°.

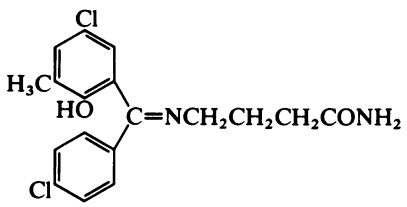
▷CB2687500.

Ger. Pat., 1 543 295, (*1966*); *CA*, **66**, 2377 (*synth*)
Nielsen-Kudsk, F., *Acta Pharmacol. Toxicol.*, 1980, **47**, 267 (*hplc*)
Pentikaeinen, P. *et al*, *Eur. J. Clin. Pharmacol.*, 1981, **19**, 359 (*pharmacol*)
Kaltenbronn, J.S. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 621 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2712.

Tolgabide, INN, BAN, USAN **T-00350**

4-[[(5-Chloro-2-hydroxy-3-methylphenyl)(4-chlorophenyl)methylene]amino]butanamide, *9CI*

[86914-11-6]



$C_{18}H_{18}Cl_2N_2O_2$ M 365.258

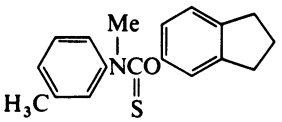
Antidepressant and antiepileptic agent. Cryst. (Et_2O). Mp 154-155°.

Ger. Pat., 3 242 442, (*1983*); *CA*, **99**, 104980e (*synth*)
Eur. Pat., 193 450, (*1986*); *CA*, **105**, 226012 (*synth, pharmacol*)

Tolindate, USAN, INN **T-00351**

O-(*2,3-Dihydro-1H-inden-5-yl*) *methyl(3-methylphenyl)carbamothioate*, *9CI*. O-*5-Indanyl* m,N-*dimethylthiocarbanilate*, *8CI*. *Dalnate*

[27877-51-6]



$C_{18}H_{19}NOS$ M 297.414

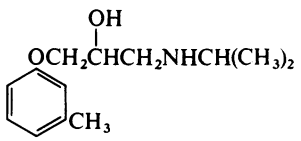
Antifungal agent. Mp 94-95°.

U.S.P., 3 509 200, (*1970*); *CA*, **73**, 14546b (*synth, pharmacol*)

Toliprolol, INN **T-00352**

1-[(1-Methylethyl)amino]-3-(3-methylphenoxy)-2-propanol, *9CI*. *1-(Isopropylamino)-3-*(m-*tolyloxy*)*-2-propanol*, *8CI*

[2933-94-0]



$C_{13}H_{21}NO_2$ M 223.314

▷UB7578500.

(±)-***form***

β-Adrenergic blocking agent, antianginal agent; antiarrhythmic agent. Mp 79° (75-76°).

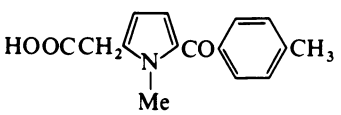
B,HCl: [306-11-6]. *Doberol*. *Sinorytmal*. *ICI 45763*. *Ko 592*. Mp 120-121°.

Stock, K. *et al*, *Biochem. Pharmacol.*, 1965, **14**, 227 (*metab*)
Howe, R. *et al*, *J. Med. Chem.*, 1968, **11**, 1118 (*synth*)
Crowther, A.F. *et al*, *J. Med. Chem.*, 1969, **12**, 638 (*pharmacol*)
Garteiz, D.A. *et al*, *J. Pharm. Sci.*, 1972, **61**, 1851 (*ms*)
Marmo, E. *et al*, *Clin. Ter.*, 1972, **62**, 11, 117 (*revs*)
Nelson, W.L. *et al*, *J. Org. Chem.*, 1978, **43**, 4907 (*cd, config*)
Zaagsma, J., *J. Med. Chem.*, 1979, **22**, 441 (*synth, ir, pmr, conformn*)
Koenig, W.A. *et al*, *J. Chromatogr.*, 1984, **294**, 423 (*hplc, resoln*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6325.

Tolmetin, BAN, USAN, INN **T-00353**

1-Methyl-5-(4-methylbenzoyl)-1H-pyrrole-2-acetic acid, *9CI*. *1-Methyl-5-*p-*toluoylpyrrole-2-acetic acid*, *8CI*. *Artrocaptin*. *Midocil*. *Reumalax*. *Reutol*. *Safitex*. *Tolectin*. *Tolmene*. *Tolmex*. *McN 2559*

[26171-23-3]



$C_{15}H_{15}NO_3$ M 257.288

Antiinflammatory agent, used to treat rheumatoid arthritis. Cryst. (MeCN). Mp 155-157° dec.

▷UX9287000.

Na salt: [64490-92-2]. *Tolmetin sodium*, *USAN, JAN*.

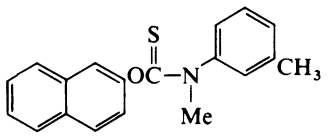
Carson, J.R. *et al*, *J. Med. Chem.*, 1971, **14**, 646 (*synth, pharmacol*)
Wong, S. *et al*, *J. Pharmacol. Exp. Ther.*, 1973, **185**, 127 (*pharmacol*)
Sumner, D.D. *et al*, *Drug Metab. Dispos.*, 1975, **3**, 283 (*metab*)
Sangla, N. *et al*, *Indian J. Pharmacol.*, 1984, **16**, 153 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2713.

Tolnaftate, BAN, USAN, INN, JAN **T-00354**

Methyl(3-methylphenyl)carbamothioic acid O-2-naphthalenyl ester, 9CI. m,N-*Dimethylthioacarbanilic acid O-2-naphthyl ester, 8CI. Tinaderm. Tinactin. Aftate. Numerous proprietary names*

[2398-96-1]



$C_{19}H_{17}NOS$ M 307.409

Topical antifungal agent. Mp 110.5-111.5°.

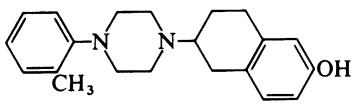
▷FD8891300.

Noguchi, N. *et al*, *Antimicrob. Agents Chemother.*, 1962, 259 (*pharmacol*)
Noguchi, N. *et al*, *Toxicol. Appl. Pharmacol.*, 1966, **8**, 368, 380.
Noguchi, N. *et al*, *J. Pharm. Soc. Jpn.*, 1968, **88**, 335 (*synth*)
Hildick-Smith, G., *Advan. Biol. Skin*, 1972, **12**, 303 (*pharmacol*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv*)
Brehme, R. *et al*, *Pharmazie*, 1979, **34**, 372 (*rev, synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5136.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3009.

Tolnapersine, INN **T-00355**

5,6,7,8-Tetrahydro-6-[4-(2-methylphenyl)-1-piperazinyl)-2-naphthalenol, 9CI. BK 34-530

[70312-00-4]



$C_{21}H_{26}N_2O$ M 322.449

(±)-*form*

Antihypertensive drug. Cryst. (MeCN). Mp 177-179°.

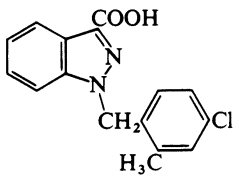
B,HCl: Mp 304-306°.

Eur. Pat., 395, (*1979*); *CA*, **90**, 204143s (*synth, pharmacol*)
Bateman, D.N., *Br. J. Clin. Pharmacol.*, 1985, **20**, 339 (*pharmacol*)

Tolnidamine, INN **T-00356**

1-[(4-Chloro-2-methylphenyl)methyl]-1H-indazole-3-carboxylic acid, 9CI. AF 1923

[50454-68-7]



$C_{16}H_{13}ClN_2O_2$ M 300.744

Antispermatogenic agent. Mp 220° dec.

▷NK7884600.

Palazzo, G. *et al*, *J. Med. Chem.*, 1976, **19**, 778 (*synth, pharmacol*)
Heywood, R. *et al*, *Chemotherapy (Basel)*, 1981, **27**, 91 (*tox*)
Cioli, V. *et al*, *CA*, 1986, **105**, 127556c (*rev*)

Toloconium(1+) **T-00357**

N,N,N,*4-Tetramethyl-α-undecylbenzenemethanaminium, 9CI. Trimethyl(1-p-tolyldodecyl)ammonium*



$C_{22}H_{40}N^{\oplus}$ M 318.565 (ion)

Antiseptic.

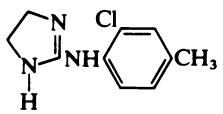
Methyl sulfate: [552-92-1]. *Toloconium metilsulfate, INN. Amoseptic. Desogene. Stomatosan. Tolytrimonium methylsulfate.* Light oil.

Swiss Pat., 217 136, (*1941*); *CA*, **42**, 8822b (*synth, activity*)
Braun, K., *Chem. Zentr.*, 1947, **1**, 1030 (*struct, props*)
Gaschen, M., *Pharm. Acta Helv.*, 1967, **42**, 365 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13361.

Tolonidine, INN **T-00358**

*2-(2-Chloro-*p*-toluidino)-2-imidazoline, 8CI. ST 375.* N-*(2-Chloro-4-methylphenyl)-4,5-dihydro-1H-imidazol-2-amine, 9CI. CERM 10137. Euctan*

[4201-22-3]



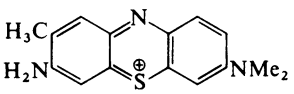
$C_{10}H_{12}ClN_3$ M 209.678

Antihypertensive agent. Mp 150-151°.

Fr. Pat., 1 566 035, (*1969*); *CA*, **72**, 676940z (*synth, pharmacol*)
Laverty, R., *Eur. J. Pharmacol.*, 1970, **9**, 163 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 909.

Tolonium(1+) **T-00359**

3-Amino-7-(dimethylamino)-2-methylphenothiazin-5-ium, 9CI. C.I. Basic Blue 17, 8CI. 3-Amino-7-dimethylamino-2-methylphenazathionium. Toluidine blue O



$C_{15}H_{16}N_3S^{\oplus}$ M 270.372 (ion)

Antiheparinic agent. Diagnostic agent, dyestuff.

Chloride: [92-31-9]. *Tolonium chloride, INN. Blutene chloride. Gabilin. Klot. Menodin. Tolazul.*

$C_{15}H_{16}ClN_3S$ M 305.825

Dark green powder with bronze lustre. Sol. H_2O giving a blue to violet soln.

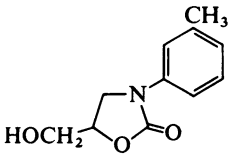
▷SG1225000.

U.S.P., 2 809 913, (*1957*); *CA*, **52**, 3275c (*synth, pharmacol*)
Burke, D.H. *et al*, *J. Pharm. Sci.*, 1974, **63**, 451 (*pharmacol*)
Dean, W.W. *et al*, *J. Chromatogr.*, 1976, **124**, 387 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2152.

Toloxatone, INN **T-00360**

*5-(Hydroxymethyl)-3-(3-methylphenyl)-2-oxazolidinone, 9CI. 5-(Hydroxymethyl)-3-*m*-tolyl-2-oxazolidinone, 8CI*

[29218-27-7]



$C_{11}H_{13}NO_3$ M 207.229

▷RQ2867500.

(±)-*form*

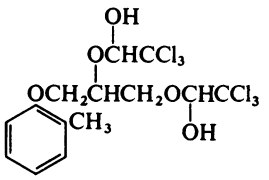
Sedative, antidepressant. Cryst. (2-propanol). Mp 76°.

Ger. Pat., 2 012 120, (*1970*); *CA*, **73**, 120607g (*synth, pharmacol*)
Fauran, C. *et al*, *Chim. Ther.*, 1973, **8**, 324 (*synth*)
Raynaud, G. *et al*, *Chim. Ther.*, 1973, **8**, 328 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3229.

Toloxychlorinol, INN **T-00361**

*1,1′-(3-*o*-Tolyloxypropylenedioxy)bis[2,2,2-trichloroethanol]. Propoxychlorinol. Toloxychloral. Myavan. NC 1318*

[6055-48-7]



$C_{14}H_{16}Cl_6O_5$ M 476.995

Sedative. Mp 103-106°.

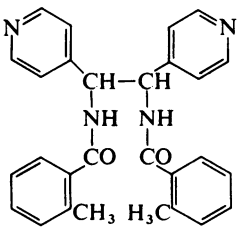
▷TX4100000.

Reinhard, J.F. *et al*, *J. Pharmacol. Exp. Ther.*, 1952, **106**, 444 (*synth, pharmacol*)
U.S.P., 2 666 082, (*1954*); *CA*, **49**, 374e (*synth*)

Tolpadol, INN **T-00362**

N,N′-(1,2-Di-4-pyridinyl-1,2-ethanediyl)bis[2-methylbenzamide], 9CI. N,N′-(1,2-Di-4-pyridylethylene)bis[o-toluamide]. Dolargan. MFA 285

[77502-27-3]



$C_{28}H_{26}N_4O_2$ M 450.539

Analgesic. Cryst. (DMF). Mp 339°.

Brana, M.F. *et al*, *J. Heterocycl. Chem.*, 1981, **18**, 1305; 1983, **20**, 1723 (*synth, pharmacol*)
Rivera, C.P. *et al*, *CA*, 1985, **102**, 214540 (*pharmacol*)

Tolpentamide, BAN, INN **T-00363**

N-[(Cyclopentylamino)carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-Cyclopentyl-3-(p-*tolylsulfonyl)urea, 8CI. BH 135. U 19803*

[1027-87-8]



$C_{13}H_{18}N_2O_3S$ M 282.357

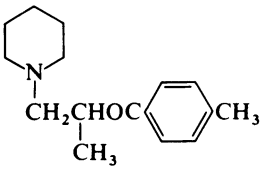
Antidiabetic agent. Mp 169-170°.

Ger. Pat., 1 182 656, (*1964*); *CA*, **62**, 7690b
Alric, R. *et al*, *J. Pharmacol.*, 1972, **3**, 435 (*pharmacol*)

Tolperisone, BAN, INN **T-00364**

*2-Methyl-1-(4-methylphenyl)-3-(1-piperidinyl)-1-propanone, 9CI. 2,4′-Dimethyl-3-piperidinopropiophenone, 8CI. 2-Methyl-3-piperidino-1-*p-*tolylpropan-1-one. Mydocalm. Numerous proprietary names*

[728-88-1]



$C_{16}H_{23}NO$ M 245.364

Muscle relaxant, spasmolytic. Peripheral vasodilator.

▷UH1575000.

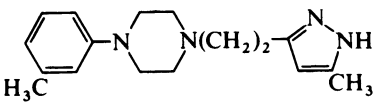
B,HCl: Tolperisone hydrochloride, JAN. Muscalm. Cryst. (2-butanone). Mp 176-177°.

Porszasz, J. *et al*, *Arzneim.-Forsch.*, 1961, **11**, 257 (*pharmacol*)
Japan. Pat., 20 390, (*1965*); *CA*, **63**, 16313 (*synth*)
Tomizawa, S. *et al*, *Oyo Yakuri*, 1971, **5**, 421 (*pharmacol, tox*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4114.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5735.

Tolpiprazole, BAN, INN **T-00365**

*1-(3-Methylphenyl)-4-[2-(5-methyl-1*H*-pyrazol-3-yl)-ethyl]piperazine, 9CI. 1-[2-(5-Methylpyrazol-3-yl)-ethyl]-4-*m*-tolylpiperazine, 8CI. H 4170*

[20326-13-0]



$C_{17}H_{24}N_4$ M 284.403

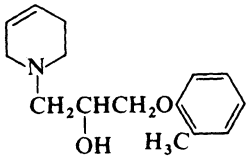
Tranquilliser.

Koppe, V. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1975, **10**, 154 (*pharmacol*)
Netherlands Pat., 7 317 477, (*1975*); *CA*, **84**, 164844 (*synth*)

Tolpronine, BAN, INN **T-00366**

3,6-Dihydro-α-[(2-methylphenoxy)methyl]-1(2H)-pyridineethanol, 9CI. 3,6-Dihydro-α-[(o-tolyloxy)methyl]-1(2H)-pyridineethanol, 8CI. 1-(1,2,3,6-Tetrahydropyridino)-3-o-tolyloxypropan-2-ol

[97-57-4]



$C_{15}H_{21}NO_2$ M 247.336

(±)-form

Analgesic. Cryst. Mp 56-58°.

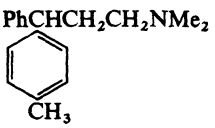
B,HCl: [6775-25-3]. *Proponesin.* Cryst. Sol. H_2O. Mp 136-137.5°.

Beasley, Y.M. *et al, J. Pharm. Pharmacol.*, 1958, **10**, 47, 60, 103 (*synth, pharmacol*)

Tolpropamine, BAN, INN **T-00367**

N,N,*4-Trimethyl-γ-phenylbenzenepropanamine, 9CI.* N,N-*Dimethyl-3-phenyl-3-*p-*tolylpropylamine, 8CI. Pragman. Pratalgin*

[5632-44-0]



$C_{18}H_{23}N$ M 253.386

Topical antihistamine, antipruritic. Used mainly as hydrochloride.

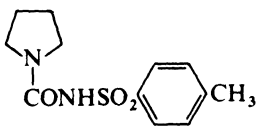
B,HCl: [3339-11-5]. *Tylagel.* Mp 182-184°.

Seudrail, M. *et al, Therapie*, 1960, **15**, 119 (*pharmacol*)
Klosa, J., *J. Prakt. Chem.*, 1966, **34**, 312 (*synth*)
Kracmar, J. *et al, Pharmazie*, 1976, **31**, 363 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6168.

Tolpyrramide, USAN, INN **T-00368**

N-[(*4-Methylphenyl)sulfonyl*]-*1-pyrrolidinecarboxamide, 9CI.* N-p-*Tolylsulfonyl-1-pyrrolidinecarboxamide, 8CI. NSC 106572*

[5588-38-5]



$C_{12}H_{16}N_2O_3S$ M 268.330

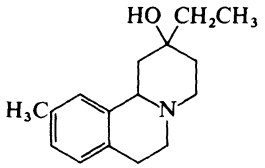
Antidiabetic drug. Mp 214°.

Reppe, W. *et al, Justus Liebigs Ann. Chem.*, 1955, **596**, 80 (*synth*)
Ger. Pat., 2 256 979, (*1974*); *CA*, **81**, 63365r (*synth, pharmacol*)

Tolquinzole, INN **T-00369**

2-Ethyl-1,3,4,6,7,11b-hexahydro-10-methyl-2H-benzo[a]*quinolizin-2-ol, 9CI*

[6187-50-4]



$C_{16}H_{23}NO$ M 245.364

(±)-form

Antidepressant. Mp 136°.

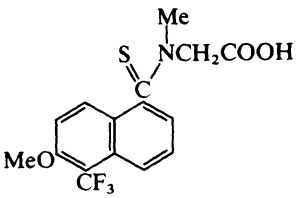
B,HBr: Mp 205°.

Netherlands Pat., 6 508 468, (*1966*); *CA*, **64**, 19572a (*synth, pharmacol*)

Tolrestat, BAN, USAN, INN **T-00370**

N-[[*6-Methoxy-5-(trifluoromethyl)-1-naphthalenyl*]-*thioxomethyl*]-N-*methylglycine, 9CI. Alredase. Tolrestatin. AY 27773*

[82964-04-3]



$C_{16}H_{14}F_3NO_3S$ M 357.347

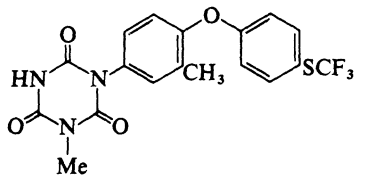
Aldose reductase inhibitor. Mp 164-165°.

Sestanj, K. *et al, J. Med. Chem.*, 1984, **27**, 255 (*synth, pharmacol*)
Cayen, M.N. *et al, Drug Metab. Dispos.*, 1985, **13**, 412 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17014.

Toltrazuril, BAN, INN **T-00371**

*1-Methyl-3-[3-methyl-4-[4-[(trifluoromethyl)thio]-phenoxy]phenyl]-1,3,5-triazine-2,4,6(1H,3H,5H)-trione. 1-Methyl-3-[4-(4-trifluoromethylthiophenoxy)-*m-*tolyl]-1,3,5-triazinanetrione. Bay Vi 9142*

[69004-03-1]



$C_{18}H_{14}F_3N_3O_4S$ M 425.382

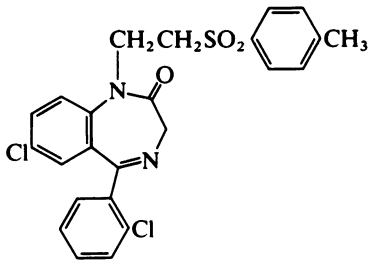
Veterinary coccidiostat. Mp 194°.

Ger. Pat., 2 718 799, (*1978*); *CA*, **90**, 104020f (*synth, pharmacol*)

Tolufazepam, INN **T-00372**

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-1-[2-[(4-methylphenyl)sulfonyl]ethyl]-2H-1,4-benzodiazepin-2-one

[86273-92-9]



$C_{24}H_{20}Cl_2N_2O_3S$ M 487.400

Anticonvulsant. Tranquilliser.

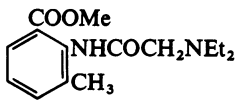
Argentinian Pat., 292 869, (*1983*) (*synth*)

Pérez, C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1988, **293**, 57 (*pharmacol*)

Tolycaine, BAN, INN **T-00373**

Methyl 2-[[(diethylamino)acetyl]amino]-3-methylbenzoate, 9CI. Methyl 2-[2-(diethylamino)acetamido]-m-toluate, 8CI

[3686-58-6]



$C_{15}H_{22}N_2O_3$ M 278.350

Local anaesthetic used mainly in dentistry. Oil. Bp_5 190-192°.

B,HCl: [7210-92-6]. *Bajkain. Baycaine. Bluecaine.* Mp 139-140.5°.

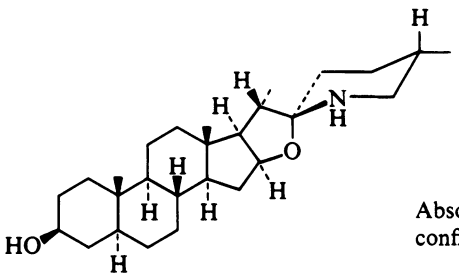
▷XU1790000.

Ger. Pat., 1 018 070, (*1957*); *CA*, **54**, 5577g (*synth, pharmacol*)
U.S.P., 2 921 077, (*1960*); *CA*, **54**, 17326g (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7649.

Tomatidine **T-00374**

(22S,25S)-5α-Spirosolan-3β-ol, 9CI. 5α-Tomatidan-3β-ol, 8CI

[77-59-8]



Absolute configuration

$C_{27}H_{45}NO_2$ M 415.658

Diastereoisomeric with ■■16624-1■■. Alkaloid from *Lycopersicon esculentum* and *Solanum demissum*, found as glycosides in many other *L.* and *S.* spp. (Solanaceae). Shows antifungal and cytostatic activity, has been used clinically against dermatitis. Cholinesterase inhibitor, antihistamine. Repellant to the Colorado beetle *Leptinotarsa decemlineata*. Mp 210-211°. $[\alpha]_D^{20}$ +5° (MeOH).

B, HCl: Mp 275-280° dec. $[\alpha]_D^{25}$ −9° (MeOH).

Picrate: Mp 131-133°.

O-β-D-*Xylopyranosyl-(1→2)-[β-D-xylopyranosyl-(1→3)]-β-D-glucopyranosyl:* ***Polyanine***.
$C_{43}H_{71}NO_{15}$ M 842.032
Alkaloid from *Solanum polyadenium* (Solanaceae). Needles (MeOH aq.). Mp 263-270° dec. $[\alpha]_D^{21}$ −36.3° (c, 1.05 in Py).

O-β-D-*Glucopyranosyl-(1→2$_{glu}$)-O-β-D-xylopyranosyl-(1→3$_{glu}$)-O-β-D-glucopyranosyl-(1→4$_{gal}$)-β-D-galactopyranoside:* ***Tomatine***. *α-Tomatine.*
$C_{50}H_{83}NO_{21}$ M 1034.200
Alkaloid from *Lycopersicon esculentum, L. cheesmanii, L. chilense, L. pruniforme, Solanum polyadenium, S. tomatillo, S. boerhaavii, S. demissum, S. acaule, S. kieseritzii* and *S. verbascifolium* (Solanaceae). Mp 263-267° dec. $[\alpha]_D$ −19° (Py) (−30°).

3-O-β-D-Glucopyranosyl(1→2)-β-D-glucopyranosyl(1→4)-β-D-galactopyranoside: [17406-46-1]. ***β$_1$-Tomatine***.
$C_{45}H_{75}NO_{17}$ M 902.084
Alkaloid from *Lycopersicon esculentum* and *L. pimpinellifolum*, also obt. by partial hydrol. of Tomatine (Solanaceae). Amorph. solid + $1H_2O$. Mp 240-260° dec. $[\alpha]_D^{22}$ −28° (c, 1 in Py). Not completely pure. Other Tomatines (β_2-, γ- and δ-) are other nonalkaloidal partial hydrol. prods. of Tomatine.

3-O-β-Commertetraoside: [85547-35-9]. ***Sisunine***.
$C_{51}H_{85}NO_{22}$ M 1064.226
Alkaloid from clones of hybrids of *S. acaule* and *S.* x. *ajanhuiri*.

N-*Nitroso:* [4847-05-6]. N-***Nitrosotomatidine***.
$C_{27}H_{44}N_2O_3$ M 444.656
Alkaloid from leaves and stems of *L. esculentum* (Solanaceae). Hexagonal cryst. changing to flat rods on heating. Mp 234-237°. Mp. quoted is for synthetic material.

15α-Hydroxy: [4828-39-1]. ***15α-Hydroxytomatidine***.
$C_{27}H_{45}NO_3$ M 431.657
Alkaloid from *S. dulcamara* (Solanaceae). Needles (MeOH). Mp 150-155°. $[\alpha]_D^{18}$ +17.8° (c ~0.8 in $CHCl_3$).

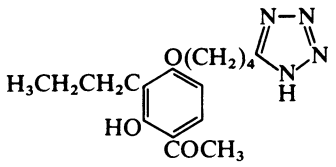
15α-Hydroxy, Tri-Ac: Mp 203.5-204.5°. $[\alpha]_D^{18}$ −3.1° (c ~0.8 in CHCl).

Brink, N.G. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 4018 (*isol*)
Kuhn, R. *et al*, *Chem. Ber.*, 1957, **90**, 203 (*Tomatines*)
Sato, Y. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 6089 (*struct*)
Budzikiewicz, H., *Tetrahedron*, 1964, **20**, 2265 (*ms*)
Schreiber, K., *Justus Liebigs Ann. Chem.*, 1964, **674**, 168 (*Polyanine*)
Boll, P.M. *et al*, *Acta Chem. Scand.*, 1965, **19**, 1365 (*pmr*)
Rönsch, H. *et al*, *Tetrahedron Lett.*, 1965, 1947 (*15-Hydroxytomatidine*)
Adam, G. *et al*, *Tetrahedron*, 1966, **22**, 3591 (*synth*)
Kennard, O. *et al*, *J. Chem. Soc.* (*C*), 1967, 956 (*cryst struct*)
Willuhn, G. *et al*, *Planta Med.*, 1970, **18**, 354 (*15-Hydroxytomatidine*)
Roddick, J.G. *et al*, *Phytochemistry*, 1974, **13**, 1459 (*biosynth*)
Weston, R.J. *et al*, *Aust. J. Chem.*, 1977, **30**, 917 (*cmr*)
Garnero, J. *et al*, *CA*, 1982, **96**, 148962t (*N-Nitrosotomatidine*)
Osman, S.F. *et al*, *Phytochemistry*, 1986, **25**, 967 (*Sisunine*)

Tomelukast, INN **T-00375**

1-[2-Hydroxy-3-propyl-4-[4-(1H-tetrazol-5-yl)-butoxy]phenyl]ethanone, 9CI. 5-[4′-(4″-Acetyl-3″-hydroxy-2″-propylphenoxy)butyl]tetrazole. LY 171883

[88107-10-2]



$C_{16}H_{22}N_4O_3$ M 318.375

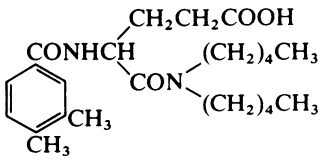
Bronchodilator (Leucotriene D_4 antagonist). Cryst. (EtOAc). Mp 113.5-115°.

Fleisch, J.H. *et al, J. Pharmacol. Exp. Ther.*, 1985, **233**, 148 (*pharmacol*)
Marshall, W.S. *et al, Agents Actions*, 1987, **21**, 275 (*pharmacol*)
Marshall, W.S. *et al, J. Med. Chem.*, 1987, **30**, 682 (*synth, pharmacol*)

Tomoglumide, INN **T-00376**

4-[(3,4-Dimethylbenzoyl)amino]-5-(dipentylamino)-5-oxopentanoic acid, 9CI. CR 1392

[97964-54-0]



$C_{24}H_{38}N_2O_4$ M 418.575

(±)-form [102742-69-8]

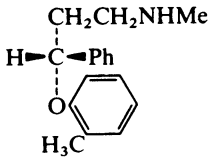
Cholecystokinin inhibitor. Cryst. (isopropyl ether). Mp 75-77°.

Makovec, F. *et al, Arzneim.-Forsch.*, 1985, **35**, 1048 (*pharmacol*)
Makovec, F. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1986, **21**, 9 (*synth, pharmacol*)

Tomoxetine, INN **T-00377**

N-Methyl-γ-(2-methylphenoxy)benzenepropanamine, 9CI

[63940-51-2]



(R)-form

$C_{17}H_{21}NO$ M 255.359

(R)-form [83015-26-3]

Pharmacol. active isomer.

B,HCl: [82248-59-7]. *Tomoxetine hydrochloride, USAN. LY 139603.* Cryst. (CH_2Cl_2/EtOAc). Mp 165-167°. $[\alpha]_D^{25}$ −37.6° (c, 1 in MeOH).

(±)-form [105314-52-1]

Antidepressant.

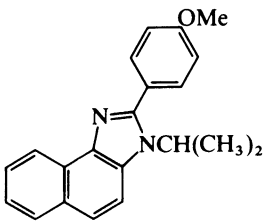
B,HCl: [82857-40-7]. Cryst. (CH_2Cl_2/EtOAc). Mp 132-135°.

Eur. Pat., 52 492, (*1982*); *CA*, **97**, 215718 (*synth, isomers*)
Farid, N.A. *et al, J. Clin. Pharmacol.*, 1985, **25**, 296 (*props*)
Zerbe, R.L. *et al, J. Pharmacol. Exp. Ther.*, 1985, **232**, 139 (*pharmacol*)
Oberlander, R.J. *et al, J. Pharm. Pharmacol.*, 1987, **39**, 1055 (*pharmacol*)

Tomoxiprole, INN **T-00378**

2-(4-Methoxyphenyl)-3-(1-methylethyl)-3H-naphth[1,2-d]imidazole, 9CI. MDL 035

[76145-76-1]



$C_{21}H_{20}N_2O$ M 316.402

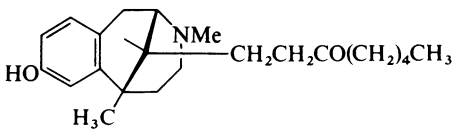
Analgesic, antiinflammatory agent. Cryst. (EtOAc). Mp 160-161°.

Bernareggi, A. *et al, J. Liq. Chromatogr.*, 1984, **7**, 2093 (*hplc*)
Toja, E. *et al, J. Med. Chem.*, 1984, **27**, 610 (*synth, pharmacol*)
Assandri, A. *et al, Eur. J. Drug Metab. Pharmacokinet.*, 1985, **10**, 161 (*metab*)
Schiatti, P. *et al, Arzneim.-Forsch.*, 1986, **36**, 102 (*pharmacol*)

Tonazocine, INN **T-00379**

1-(1,2,3,4,5,6-Hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-3-octanone, 9CI

[71461-18-2]



$C_{23}H_{35}NO_2$ M 357.535

Analgesic.

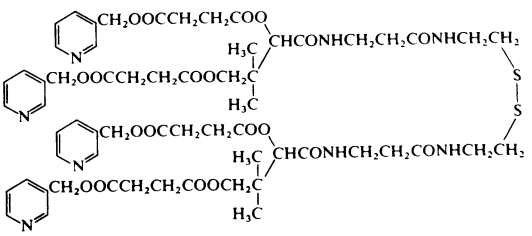
B,HCl: [68613-14-9]. No phys. props. reported.
Methanesulfonate: [68681-42-5]. *Tonazocine mesylate, USAN. Win 42156-2.* No phys. props. reported.

U.S.P., 4 100 164, (*1978*); *CA*, **90**, 137700f (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13363.

Topanicate **T-00380**

8,27-Bis[1,4-dioxo-4-(3-pyridinylmethoxy)butoxy]-7,7,28,28-tetramethyl-4,9,13,22,26,31-hexaoxo-5,30-dioxa-17,18-dithia-10,14,21,25-tetraazatetratriacontanedioic acid bis(pyridinylmethyl) ester. MG 28362

[96922-80-4]



$C_{62}H_{78}N_8O_{20}S_2$ M 1319.460

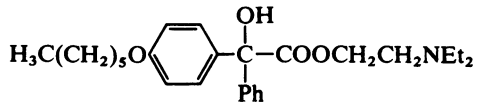
Hypolipidaemic agent. Glassy solid. $[\alpha]_D^{25}$ +13.4° (c, 1 in MeOH).

Picciola, G. *et al, Arzneim.-Forsch.*, 1985, **35**, 1768, 1772 (*synth, pharmacol*)

Topicaine T-00381

4-(Hexyloxy-α-hydroxy-α-phenylbenzeneacetic acid 2-(diethylamino)ethyl ester, 9CI. p-(*Hexyloxy*)*benzilic acid 2-(diethylamino)ethyl ester*

[76-91-5]



$C_{26}H_{37}NO_4$ M 427.583

(±)-form

Local anaesthetic.

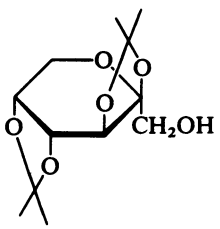
B,HCl: Mp 123-125°.

Bockstahler, E.R. *et al, J. Am. Chem. Soc.*, 1949, **71**, 3760 (*synth*)
Arora, R.B. *et al, J. Pharmacol. Exp. Ther.*, 1955, **115**, 413 (*pharmacol*)
Weaver, L.C. *et al, Arch. Int. Pharmacodyn. Ther.*, 1959, **121**, 415 (*pharmacol*)

Topiramate, INN, USAN T-00382

2,3:4,5-Bis-O-(1-methylethylidene)fructopyranose, 9CI. 2,3:4,5-Di-O-isopropylidenefructopyranose

[20880-92-6]



$C_{12}H_{20}O_6$ M 260.286

β-D-form

Anticonvulsant. Needles (Et_2O/pentane). Mp 97°. $[\alpha]_D^{23}$ −24.2° (c, 0.6 in $CHCl_3$).

Sulfamate: [97240-79-4]. *MCN 4853.*
$C_{12}H_{21}NO_8S$ M 339.360
Cryst. (EtOAc/hexane). Mp 125-126°. $[\alpha]_D^{23}$ −34.0° (c, 0.4 in MeOH).

Dimethylsulfamate: [106881-33-8]. Cryst. ($EtOH/H_2O$). Mp 57-58°. $[\alpha]_D^{23}$ −31.3° (c, 0.31 in MeOH).

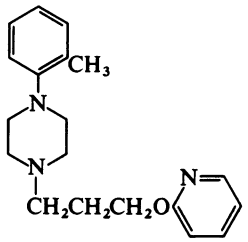
1-Trifluoromethanesulfonyl: Mp 36-38.5°. $[\alpha]_D$ −28.5° (c, 1.03 in $CHCl_3$).

Ness, R.K. *et al, J. Org. Chem.*, 1968, **33**, 181.
Maeda, T. *et al, Bull. Chem. Soc. Jpn.*, 1969, **42**, 2635 (*conformn, pmr*)
Morgenlie, S., *Carbohydr. Res.*, 1980, **80**, 215 (*ms*)
Martin, O.R. *et al, Can. J. Chem.*, 1982, **60**, 1857 (*synth*)
Card, P.J. *et al, J. Am. Chem. Soc.*, 1984, **106**, 5348 (*triflate*)
Maryanoff, B.E. *et al, J. Med. Chem.*, 1987, **30**, 880 (*synth, sulfamate, pharmacol*)

Toprilidine, INN T-00383

1-(2-Methylphenyl)-4-[3-(2-pyridinyloxy)propyl]-piperazine, 9CI. 1-[3-(2-Pyridyloxy)propyl]-4-o-tolylpiperazine. Hoechst 757

[54063-58-0]



$C_{19}H_{25}N_3O$ M 311.426

Peripheral vasodilator and sedative.

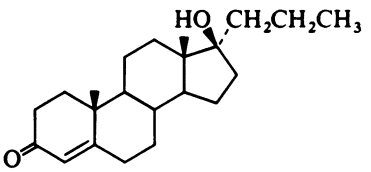
B,HCl: [37816-49-2]. No phys. props. reported.

Lindner, E., *Arzneim.-Forsch.*, 1972, **22**, 1445 (*synth, pharmacol*)

Topterone, USAN, INN T-00384

17-Hydroxy-17-propylandrost-4-en-3-one, 9CI. Win 17665

[60607-35-4]



$C_{22}H_{34}O_2$ M 330.509

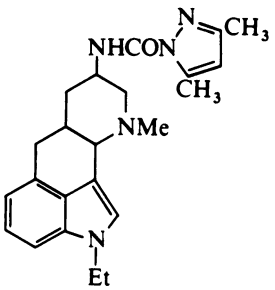
Antiandrogen (anti-acne).

Ger. Pat., 2 633 925, (*1977*); *CA*, **86**, 161310s (*pharmacol*)
Ferrari, R.A. *et al, CA*, 1980, **93**, 89218 (*pharmacol*)

Toquizine, USAN, INN T-00385

N-(*4-Ethyl-4,6,6a,7,8,9,10,10a-octahydro-7-methylindolo[4,3-g]quinolin-9-yl)-3,5-dimethyl-1H-pyrazole-1-carboxamide, 9CI, 8CI. Lilly 44106*

[7125-71-5]



$C_{23}H_{29}N_5O$ M 391.515

Anticholinergic, anti-ulcer agent. Mp 187-192°.

U.S.P., 3 183 234, (*1965*); *CA*, **63**, 1787g (*synth, pharmacol*)

Torasemide, BAN, INN **T-00386**

N-[[(*1-Methylethyl)amino]carbonyl]-4-[(3-methylphenyl)amino]-3-pyridinesulfonamide,* 9CI. *1-Isopropyl-3-(4-*m*-toluidinopyridine-3-sulfonyl)urea. AC 4464. JDL 464*

[56211-40-6]



$C_{16}H_{20}N_4O_3S$ M 348.419

Diuretic, antiinflammatory agent. Mp 163-164°. Polymorphic.

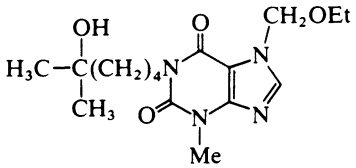
N-*Oxide:* [58154-83-9]. *JDL 862.* Mp 180-182°.

Delarge, J. *et al, Ann. Pharm. Fr.*, 1978, **36**, 369 (*synth*)
Dupont, L. *et al, Acta Crystallogr., Sect. B*, 1978, **34**, 1304, 2659 (*cryst struct*)
Lesne, M. *et al, Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1982, **20**, 382 (*pharmacol*)
Ghys, A. *et al, Arzneim.-Forsch.*, 1985, **35**, 1521, 1527, 1532, 1536 (*pharmacol*)
Delarge, F. *et al, Arzneim.-Forsch.*, 1988, **38**, 144 (*pharmacol, metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1272.

Torbafylline, INN **T-00387**

*7-(Ethoxymethyl)-3,7-dihydro-1-(5-hydroxy-5-methylhexyl)-3-methyl-1*H*-purine-2,6-dione,* 9CI

[105102-21-4]



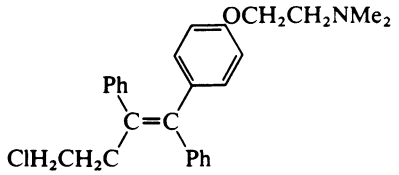
$C_{16}H_{26}N_4O_4$ M 338.406

Used in treatment of circulation disorders. Mp 102-103°.

Ger. Pat., 3 525 801, (*1987*); *CA*, **106**, 213648

Toremifene, BAN, INN **T-00388**

*2-[4-(4-Chloro-1,2-diphenyl-1-butenyl)phenoxy]-*N,N*-dimethylethanamine,* 9CI. *4-Chloro-1,2-diphenyl-1-[4-[2-(*N,N*-dimethylamino)ethoxy]phenyl]-1-butene. FC 1157a*



(*Z*)-*form*

$C_{26}H_{28}ClNO$ M 405.966

Cryst. (Me_2CO). Mp 108-110°.

(*Z*)-**form** [89778-26-7]

Antioestrogen, antineoplastic agent.

B,HCl: [89778-25-6]. Mp 194-196°.
Citrate: [89778-27-8]. Mp 160-162°.

Eur. Pat., 95 875, (*1983*); *CA*, **102**, 166452 (*synth*)
Kallio, S. *et al, Cancer Chemother. Pharmacol.*, 1986, **17**, 103, 109 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2830.

Tosifen, USAN, INN **T-00389**

*4-Methyl-*N*-[[(1-methyl-2-phenylethyl)amino]carbonyl]benzenesulfonamide,* 9CI. *1-(α-Methylphenethyl)-3-(*p*-tolylsulfonyl)urea,* 8CI. *Sch 11973*

[32295-18-4]



$C_{17}H_{20}N_2O_3S$ M 332.417

(*S*)-*form*

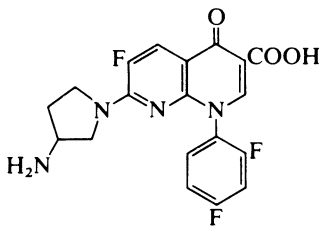
Antianginal, antiarrhythmic agent. Cryst. (Me_2CO). Mp 180-181°. $[\alpha]_D^{26}$ −33° (c, 0.06 in dioxan).

Ger. Pat., 2 042 230, (*1971*); *CA*, **75**, 5532h (*synth, pharmacol*)
U.S.P., 4 016 291, (*1977*); *CA*, **87**, 52962 (*synth, pharmacol*)
Zitowitz, L. *et al, Jpn. J. Pharmacol.*, 1977, **27**, 769 (*pharmacol*)
Lin, C. *et al, Drug Metab. Dispos.*, 1978, **6**, 50 (*metab*)

Tosufloxacin, INN **T-00390**

7-(3-Amino-1-pyrrolidinyl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, 9CI. *A 61827*

[108138-46-1]



$C_{19}H_{15}F_3N_4O_3$ M 404.348

Antibacterial agent.

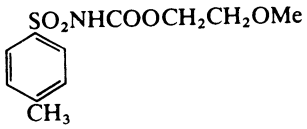
B,HCl: [104051-69-6]. *A60969.* Mp >275°.

Chu, D.T.W. *et al, J. Med. Chem.*, 1986, **29**, 2363 (*synth, activity*)
Fernandes, P.B. *et al, Antimicrob. Agents Chemother.*, 1988, **32**, 27 (*pharmacol*)

Tosulur, INN **T-00391**

[(4-Methylphenyl)sulfonyl]carbamic acid 2-methoxyethyl ester, 9CI. *Tosular*

[87051-13-6]



$C_{11}H_{15}NO_5S$ M 273.303

Coccidiostat. Mp 131-133°.

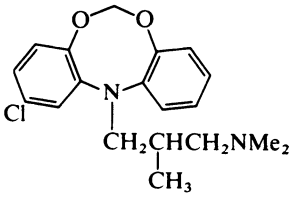
Na salt: Mp 212-213°.

Ger. Pat., 1 048 907, (*1959*); *CA*, **55**, 4434a (*synth, pharmacol*)

Traboxopine, INN **T-00392**

2-Chloro-N,N,β-trimethyl-12H-dibenzo[d,g] [*1,3,6*]-*dioxazocin-12-propanamine,* 9CI

[103624-59-5]



$C_{19}H_{23}ClN_2O_2$ M 346.856

(±)-*form* [110138-57-3]

Neuroleptic, dopamine antagonist, antiparkinsonian agent. Cryst. (2-propanol). Mp 73-75°.

B,HCl: [70133-85-6]. *EGYT 2509.* Cryst. (2-propanol). Mp 184-186°.

Ger. Pat., 2 833 892, (*1979*); *CA*, **90**, 187009 (*synth, pharmacol*)

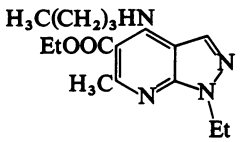
Farkas, M. *et al, J. Mol. Struct.*, 1985, **131**, 131 (*synth, ir, cmr, pmr, conformn*)

Gyure, K. *et al, Pol. J. Pharmacol. Pharm.*, 1985, **37**, 253 (*pharmacol*)

Tracazolate, BAN, USAN, INN **T-00393**

Ethyl 4-(butylamino)-1-ethyl-6-methyl-1H-pyrazolo[*3,4-b*]*pyridine-5-carboxylate,* 9CI. *ICI 136753*

[41094-88-6]



$C_{16}H_{24}N_4O_2$ M 304.391

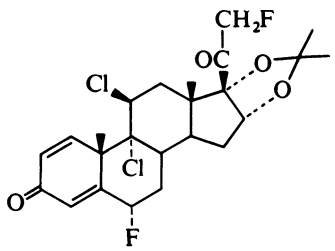
Antidepressant, tranquilliser. Cryst. (hexane). Mp 75-77°.

U.S.P., 3 925 388, (*1975*); *CA*, **85**, 21450s (*synth, pharmacol*)

Tralonide, USAN, INN **T-00394**

9,11β-Dichloro-6α,21-difluoro-16α,17-[(*methylethylidene*)*bis*(*oxy*)]*pregna-1,4-diene-3,20-dione,* 9CI. *Talidan*

[21365-49-1]



$C_{24}H_{28}Cl_2F_2O_4$ M 489.386

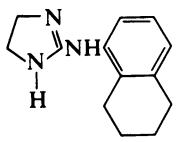
Glucocorticoid, antiinflammatory drug. Mp 245°. $[\alpha]_D$ +133°.

U.S.P., 3 409 613, (*1968*); *CA*, **70**, 58147q (*synth, pharmacol*)

Tramazoline, BAN, INN **T-00395**

4,5-Dihydro-N-(5,6,7,8-Tetrahydro-1-naphthalenyl)-1H-imidazol-2-amine, 9CI. *2-[(5,6,7,8-Tetrahydro-1-naphthyl)amino]-2-imidazoline,* 8CI

[1082-57-1]



$C_{13}H_{17}N_3$ M 215.297

Sympathomimetic drug. Cryst. (2-propanol). Mp 142-143°.

B,HCl: [3715-90-0]. *Tramazoline hydrochloride,* USAN. *Toramazoline hydrochloride,* JAN. *Other synonyms.* Cryst. + $1H_2O$ (EtOH/Et_2O). Sol. H_2O. Mp 172-174°.

▷NJ4530500.

Ger. Pat., 1 195 323, (*1965*); *CA*, **63**, 13274d (*synth*)

Sachsenröder, L. *et al, Arzneim.-Forsch.*, 1972, **22**, 392 (*pharmacol*)

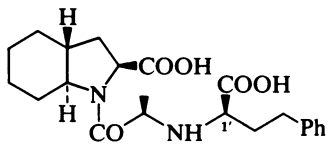
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2824.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2109.

Trandolaprilat, INN **T-00396**

1-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]octahydro-1H-indole-2-carboxylic acid, 9CI. *RU 44403*

[87679-71-8]



$C_{22}H_{30}N_2O_5$ M 402.489

Antihypertensive agent (angiotensin converting enzyme inhibitor). Mp 165-166°. $[\alpha]_D^{23}$ −34.0° (c, 1.0 in MeOH/0.1N HCl).

1'-Et ester: [87679-37-6]. ***Trandolapril, INN.*** $C_{24}H_{34}N_2O_5$ M 430.543

Antihypertensive agent (ACE inhibitor). Cryst. + $0.25H_2O$. $[\alpha]_D^{23}$ +28.8° (c, 1 in MeOH/1*N* HCl).

1'-Et ester, 3a-epimer: see Indolapril, I-00063

Eur. Pat., 84 164, (*1983*); *CA*, **100**, 139616g (*synth, pharmacol*)

Sybertz, E.J. *et al, J. Cardiovasc. Pharmacol.*, 1983, **5**, 643, 655 (*pharmacol*)

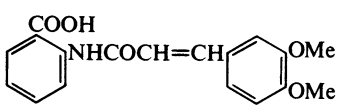
Blankley, C.J. *et al, J. Med. Chem.*, 1987, **30**, 992 (*synth*)

Brown, M.L. *et al, Eur. J. Pharmacol.*, 1988, **148**, 79 (*pharmacol*)

Tranilast, INN **T-00397**

2-[[3-(3,4-Dimethoxyphenyl)-1-oxo-2-propenyl]-amino]benzoic acid, 9CI. N-(*3,4-Dimethoxycinnamoyl*)-*anthranilic acid*

[53902-12-8]



$C_{18}H_{17}NO_5$ M 327.336

Antiallergic drug. Cryst. (EtOH). Mp 267-269°.

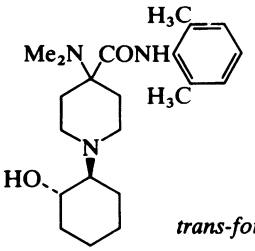
▷DG8731000.

Ger. Pat., 2 402 398, (*1974*); *CA*, **81**, 135741k (*synth, pharmacol*)

Villa, A.C. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 457 (*cryst struct*)
Japan. Pat., 84 70 654, (*1984*); *CA*, **101**, 130423 (*synth*)
Chen, X. *et al*, *CA*, 1985, **103**, 141585 (*synth*)
Slobodzian, D.K. *et al*, *J. Chromatogr.*, 1985, **345**, 345 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12988.

Transcainide, INN, USAN T-00398

4-(Dimethylamino)-N-(2,6-dimethylphenyl)-1-(2-hydroxycyclohexyl)-4-piperidinecarboxamide, 9CI



trans-form

$C_{22}H_{35}N_3O_2$ M 373.537

***trans*-(+)-form** [95630-16-3]
Cryst. (2-propanol). Mp 167.8°. $[\alpha]_{589}$+2.37° (c, 0.03 in MeOH).

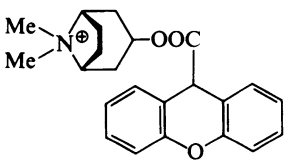
***trans*-(−)-form** [95630-14-1]
Cryst. (2-propanol). Mp 167.2°.

***trans*-(±)-form** [88296-62-2]
R 54718
Antiarrhythmic agent.

Eur. Pat., 121 972, (*1984*); *CA*, **102**, 149116 (*synth*)
Bennett, P.B. *et al*, *J. Cardiovasc. Pharmacol.*, 1987, **9**, 661 (*pharmacol*)
Carmeliet, E. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1987, **287**, 272 (*pharmacol*)
Johnson, N. *et al*, *Eur. J. Pharmacol.*, 1987, **135**, 41 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3924.

Trantelinium(1+) T-00399

8,8-Dimethyl-3-[(9H-xanthen-9-ylcarbonyl)oxy]-8-azoniaicyclo[3.2.1]octane, 9CI. 3α-Hydroxy-8-methyl-1αH,5αH-tropanium xanthene-9-carboxylate, 8CI



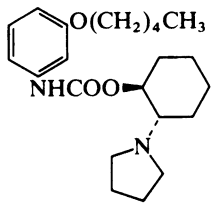
$C_{23}H_{26}NO_3^{\oplus}$ M 364.463 (ion)
Anticholinergic and spasmolytic drug, used for treatment of gastric ulcers.

Bromide: [4047-34-1]. *Trantelinium bromide, INN. Dexotropin. Gastrixin. N 640.*
$C_{23}H_{26}BrNO_3$ M 444.367
Mp 120°.

Ger. Pat., 1 042 593, (*1958*); *CA*, **55**, 3619a (*synth, pharmacol*)
Doda, M. *et al*, *Arch. Int. Pharmacodyn.*, 1963, **145**, 264 (*pharmacol*)

Trapencaine, INN T-00400

[3-(Pentyloxy)phenyl]carbamic acid 2-(1-pyrrolidinyl)-cyclohexyl ester. Pentacaine. K 1902
[76875-69-9]



trans-form

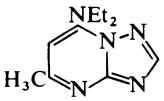
$C_{22}H_{34}N_2O_3$ M 374.522

***trans*-(±)-form** [104485-01-0]
Local anaesthetic; antiulcerogenic agent. Mp 150.5-153°.

Benes, L. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1972, **305**, 648 (*synth, pharmacol*)
Subert, J. *et al*, *Cesk. Farm.*, 1975, **24**, 5 (*anal*)
Benes, L. *et al*, *Cesk. Farm.*, 1976, **25**, 317 (*stereoisomer*)
Lycka, A. *et al*, *Pharmazie*, 1987, **42**, 271 (*N-15 nmr*)
Nosalova, V. *et al*, *Agents Actions*, 1988, **24**, 283, 286 (*pharmacol*)

Trapidil, INN T-00401

N,N-Diethyl-5-methyl[1,2,4]triazolo[1,5]pyrimidin-7-amine, 9CI. 7-(Diethylamino)-5-methyl-s-triazolo[1,5-a]pyrimidine, 8CI. AR 12008
[15421-84-8]



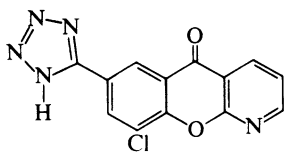
$C_{10}H_{15}N_5$ M 205.262
Coronary vasodilator. Bitter-tasting powder. Mp 98-99.4°.

▷XZ5700000.

Tenor, E. *et al*, *Pharmazie*, 1971, **26**, 534, 539, 554 (*synth, pharmacol*)
Pfeifer, E. *et al*, *Pharmazie*, 1972, **27**, 752 (*metab*)
Wierer, A. *et al*, *Pharmazie*, 1974, **29**, 692 (*ms*)
Borschein, I. *et al*, *Pharmazie*, 1976, **31**, 135 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13366.

Traxanox, INN T-00402

9-Chloro-7-(1H-tetrazol-5-yl)-5H-[1]benzopyrano[2,3-b]pyridin-5-one, 9CI
[58712-69-9]



$C_{13}H_6ClN_5O_2$ M 299.676
Antiallergic drug. Mp >300°. Used as Na salt.

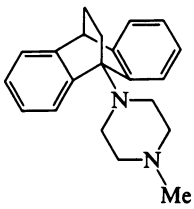
Na salt: [70502-82-8]. *Y 12141.*

Ger. Pat., 2 521 980, (*1975*); *CA*, **84**, 121842u (*synth, pharmacol*)

Trazitiline, INN **T-00403**

1-(9,10-Ethanoanthracen-9(10H)-yl)-4-methylpiperazine, 9CI. *1-(9,10-Dihydro-9,10-ethano-9-anthryl)-4-methylpiperazine. SD 1223-01*

[26070-23-5]



$C_{21}H_{24}N_2$ M 304.434

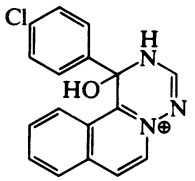
Antihistaminic agent. Mp 152-153°.

B,HCl: [24812-40-6]. Mp 211-213°.

Fr. Pat., 1 536 276, (*1967*); *CA*, **72**, 35041 (*synth, tox, pharmacol*)

Trazium(1+) **T-00404**

1-(4-Chlorophenyl)-1,2-dihydro-1-hydroxy[1,2,4]triazino[6,1-a]isoquinolin-5-ium, 9CI



$C_{17}H_{13}ClN_3O^{\oplus}$ M 310.762 (ion)

(±)-*form*

Antidepressant.

Chloride: Mp 227-228°.

B,EtSO$_3$H: [97110-59-3]. *Trazium esilate,* INN.

$C_{19}H_{18}ClN_3O_4S$ M 419.882

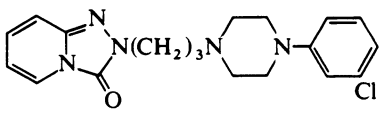
Prisms. Mp 187-188°.

Belg. Pat., 900 598, (*1985*); *CA*, **103**, 37503n (*synth, pharmacol*)

Trazodone, BAN, INN **T-00405**

2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-1,2,4-triazolo-[4,3-a]pyridin-3(2H)-one, 9CI

[19794-93-5]



$C_{19}H_{22}ClN_5O$ M 371.869

Antidepressant, antihypertensive agent. Mp 86-87°. pK_a 6.14.

▷XZ5650000.

B,HCl: [25332-39-2]. *Trazodone hydrochloride,* USAN. *Trittico. Other synonyms.* Plates (EtOH). Sol. $CHCl_3$, sl. sol. H_2O, EtOH. Mp 223°.

▷YM1431000.

U.S.P., 3 381 009, (*1969*); *CA*, **69**, 521440 (*synth*)

Palazzo, G., *Curr. Ther. Res. Clin. Exp.*, 1973, **15**, 745 (*rev*)

Fillers, J.P. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 498 (*cryst struct*)

Brogden, R.N. *et al*, *Drugs*, 1981, **21**, 401 (*rev, pharmacol*)

Silvestrini, B. *et al*, *Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 94 (*pharmacol*)

Gorecki, D.K.J. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 693 (*rev*)

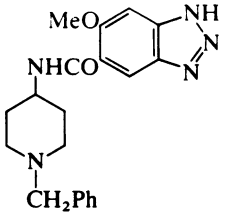
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5263.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2541.

Trazolopride, INN **T-00406**

6-Methoxy-N-[1-(phenylmethyl)-4-piperidinyl]-1H-benzotriazole-5-carboxamide, 9CI

[86365-92-6]



$C_{20}H_{23}N_5O_2$ M 365.434

Antiemetic. Stomachic.

B,HCl: [67289-79-6].

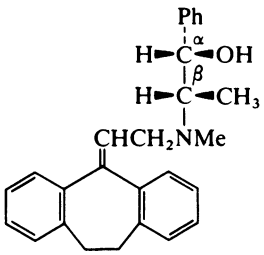
Ger. Pat., 2 751 138, (*1978*); *CA*, **89**, 109118 (*synth*)

Horton, R.W. *et al*, *Br. J. Pharmacol.*, 1988, **94**, 1234 (*pharmacol*)

Trecadrine, INN **T-00407**

α-[1-[[2-(10,11-Dihydro-5H-dibenzo[a,d]cyclohepten-5-ylidene)ethyl]methylamino]ethyl]benzenemethanol, 9CI. *WAS 4304*

[90845-56-0]



(*αR,βS*)-*form*

$C_{27}H_{29}NO$ M 383.532

(*αR,βS*)-*form* [108767-50-6]

erythro-*form*

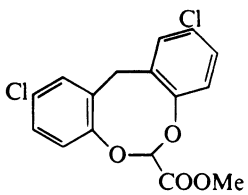
Antiulcerogenic agent.

Spanish Pat., 524 680, (*1984*); *CA*, **107**, 17884 (*synth*)

Treloxinate, USAN, INN **T-00408**

Methyl 2,10-dichloro-12H-dibenzo[d,g][1,3]dioxocin-6-carboxylate, 9CI, 8CI

[30910-27-1]



$C_{16}H_{12}Cl_2O_4$ M 339.174

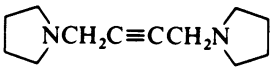
Antihyperlipoproteinaemic drug. Mp 216-218°.

Grisar, J.M. *et al*, *J. Med. Chem.*, 1972, **15**, 1273 (*synth, pharmacol, pmr, uv, ir*)

Tremorine T-00409

1,1′-(2-Butyne-1,4-diyl)bispyrrolidine, 9CI. *1,1′-(2-Butynylene)dipyrrolidine*, 8CI. *1,4-Dipyrrolidino-2-butyne*

[51-73-0]



$C_{12}H_{20}N_2$ M 192.303

Used to prod. experimental Parkinsonism (cholinergic agent). Liq. $Bp_{2.5}$ 116-116.5°, $Bp_{0.1}$ 93.5°.

▷UY0175000.

B,2HCl: [300-68-5]. Mp 236-238°.

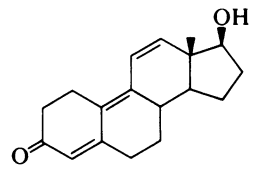
▷UY0200000.

Everett, G.M. *et al*, *Science*, 1956, **124**, 79 (*use*)
Biel, J.H. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 4609 (*synth*)
Karlen, B. *et al*, *CA*, 1970, **72**, 36903x; 1970, **73**, 54122s (*ms, rev*)
Bigg, D.C.H. *et al*, *Nature (London)*, 1976, **262**, 220 (*props*)

Trenbolone, BAN, INN T-00410

17-Hydroxyestra-4,9,11-trien-3-one, 9CI. *17β-Hydroxy-4,9,11-estratrien-3-one. Parabolan. R 2580. Trienbolone*

[10161-33-8]



$C_{18}H_{22}O_2$ M 270.371

Anabolic, veterinary androgen. Cryst. (Me_2CO aq.). Mp 186°. $[\alpha]_D^{20}$ +19° (c, 0.45 in EtOH).

Ac: [10161-34-9]. ***Trenbolone acetate, USAN***. *Finaplix. RU 1697. Finaject.*

$C_{20}H_{24}O_3$ M 312.408

Cryst. Mp 96-97°. $[\alpha]_D^{20}$ +36.8° (c, 0.4 in MeOH).

Cyclohexylmethylcarbonate: [23454-33-3]. *Hexabolan. Trenbolone hexahydrobenzylcarbonate.*

$C_{26}H_{35}O_4$ M 411.560

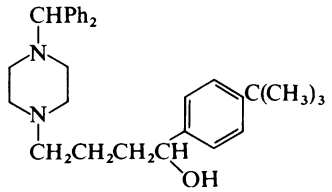
Anabolic. Cryst. (cyclohexane/pet. ether). Mp 90-95°. $[\alpha]_D^{20}$ +41.6° (c, 0.5 in EtOH).

Velluz, L. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1963, **257**, 569 (*synth*)
B.P., 1 035 683, (*1966*); *CA*, **65**, 17027c (*synth*)
Heller, M. *et al*, *Steroids*, 1967, **10**, 211 (*synth*)
Krueskemper, H.L. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 449 (*pharmacol*)
Galbraith, H., *Vet. Res. Commun.*, 1983, **7**, 27 (*rev*)
Heitzman, R.J. *et al*, *J. Anim. Sci.*, 1983, **57**, 226, 233 (*metab*)
Rico, A.G. *et al*, *Curr. Top. Vet. Med. Anim. Sci.*, 1984, **26**, 1, 72, 151 (*metab, toxic*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9117.

Trenizine, INN T-00411

α-[4-(1,1-Dimethylethyl)phenyl]-4-(diphenylmethyl)-1-piperazinebutanol, 9CI. *α-tert-Butylphenyl-4-(diphenylmethyl)-1-piperazinebutanol*

[89224-07-7]



$C_{31}H_{40}N_2O$ M 456.670

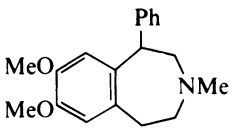
(±)-form [82190-93-0]

Vasodilator, antiemetic, antihistamine and antianaphylactic agent. Mp 155-157°.

Ger. Pat., 3 318 577, (*1983*); *CA*, **100**, 121110c (*synth, pharmacol*)

Trepipam, INN T-00412

2,3,4,5-Tetrahydro-7,8-dimethoxy-3-methyl-1-phenyl-1H-3-benzazepine, 9CI. *Trimopam*



$C_{19}H_{23}NO_2$ M 297.396

(+)-form

Tranquilliser. Cryst. (hexane). Mp 82-84°.

Maleate: [39624-66-3]. *Trepipam maleate*, USAN. *Sch 12679.*

Barnett, A. *et al*, *Psychopharmacologica*, 1974, **36**, 281 (*pharmacol*)
Swiss Pat., 555 831, (*1974*); *CA*, **82**, 72813h (*synth*)
Cooper, S.F. *et al*, *J. Chromatogr.*, 1979, **163**, 47 (*metab*)
Kaiser, C. *et al*, *J. Med. Chem.*, 1982, **25**, 697 (*resoln, synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13370.

Trepirium(2+) T-00413

1,1-Dimethyl-2-[[2-(trimethylammonio)ethoxy]carbonyl]pyrrolidinium(2+), 9CI. *2-Carboxy-1,1-dimethylpyrrolidinium (2-hydroxyethyl)trimethylammonium(2+)*



$C_{12}H_{26}N_2O_2^{\oplus\oplus}$ M 230.350 (ion)

(±)-form

Ganglion-blocking agent.

Diiodide: [1018-34-4]. *Trepirium iodide*, INN. *Hygronium. LL 1.*

$C_{12}H_{26}I_2N_2O_2$ M 484.159

Mp 221-222° dec.

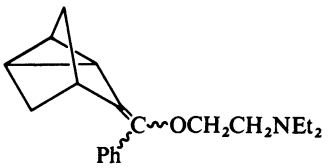
▷UY3670000.

Lebedeva, A.S. *et al*, *Khim.-Farm. Zh.*, 1967, **1**, 30 (*synth, pharmacol*)
Kharkevich, D.A. *et al*, *Khim.-Farm. Zh.*, 1974, **8**, 58 (*rev, synth, pharmacol*)

Treptilamine, INN **T-00414**

N,N-*Diethyl-2-(phenyltricyclo[2.2.1.0^{2,6}]hept-3-ylidenemethoxy)ethanamine,* 9CI. *2-[(α-Tricyclo[2.2.1.0^{2,6}]hept-3-ylidenebenzyl)oxy]-triethylamine. S 5521*

[58313-74-9]



$C_{20}H_{27}NO$ M 297.439

Spasmolytic and anticholinergic agent. $Bp_{0.1}$ 140-145°.

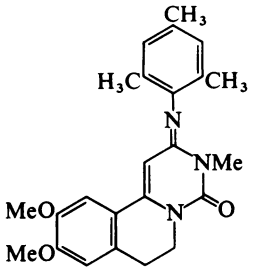
B,HCl: [58313-75-0]. Cryst. (EtOAc). Mp 123-125°.

Ger. Pat., 2 413 814, (*1975*); *CA*, **84**, 89707r (*synth, pharmacol*)
Harenberg, J. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1189 (*pharmacol*)
Perales, A. *et al*, *Acta Crystallogr., Sect. B*, 1980, **36**, 2692 (*cryst struct*)
Risch, N. *et al*, *Arzneim.-Forsch.*, 1982, **32**, 1409 (*synth, struct*)

Trequinsin, INN **T-00415**

2,3,6,7-Tetrahydro-9,10-dimethoxy-3-methyl-2-[(2,4,6-trimethylphenyl)imino]-4H-pyrimido[6,1-a]isoquinolin-4-one, 9CI. *2,3,6,7-Tetrahydro-2-(mesitylimino)-9,10-dimethoxy-3-methyl-4H-pyrimido[6,1-a]isoquinolin-4-one*

[79855-88-2]



$C_{24}H_{27}N_3O_3$ M 405.496

Antihypertensive agent. Mp 151-152°.

B,HCl: [78416-81-6]. Mp 198-200°.

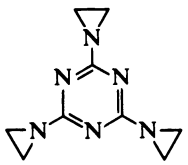
B,MeI: Mp 221-222°.

Fr. Pat., 2 470 130, (*1981*); *CA*, **96**, 6753b (*synth*)

Tretamine, BAN, INN **T-00416**

2,4,6-Tri(1-aziridinyl)-s-triazine. Triethylenemelamine. TEM. Triethanomelamine

[51-18-3]



$C_9H_{12}N_6$ M 204.234

Antineoplastic drug. Microcryst. powder ($CHCl_3$). Sol. H_2O. Mp 139° dec.

▷Highly toxic orally, exp. carcinogen and teratogen. Emits highly toxic fumes on heating to dec. XZ2100000.

Bestian, H., *Justus Liebigs Ann. Chem.*, 1950, **566**, 210.
Wystrach, V.P. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 5915, 5918.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1872.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2689.

Trethocanic acid, INN **T-00417**

3-Hydroxy-3,7,11-trimethyldodecanoic acid, 9CI, 8CI. *3-Hydroxy-3,7,11-trimethyllauric acid*

[7007-81-0]

$(H_3C)_2CH(CH_2)_3CH(CH_3)(CH_2)_3C(OH)(CH_3)CH_2COOH$

$C_{15}H_{30}O_3$ M 258.400

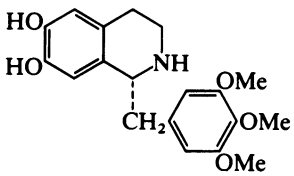
Antihypercholesterolaemic agent.

Holz, G.G. *et al*, *Compt. Rend. Trav. Lab. Carlsberg*, 1963, **33**, 289.

Tretoquinol, INN **T-00418**

1,2,3,4-Tetrahydro-1-[(3,4,5-trimethoxyphenyl)-methyl]-6,7-isoquinolinediol, 9CI

[14266-22-9]



(R)-form

$C_{19}H_{23}NO_5$ M 345.394

(R)-form [36478-07-6]

(+)-form

Inhibitor of platelet aggregation.

B,HCl: Mp 151-153°. $[\alpha]_D^{22}$ +29.2° (c, 1 in MeOH).

(S)-form [30418-38-3]

(−)-form

B,HCl: [18559-59-6]. *Trimetaquinol hydrochloride,* JAN. *Inolin. AQL 208. Expansolin. Pheumobenzil. TMQ. Triquinol. Vebelon. Other synonyms.* Bronchodilator, antiasthmatic. Pale-yellow cryst. Mp 151-153° dec. $[\alpha]_D^{23}$ −30° (c, 1 in MeOH).

▷NX0500000.

(±)-form [21650-42-0]

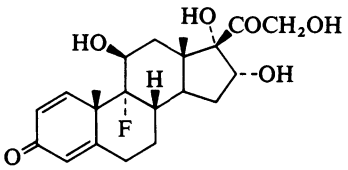
B,HCl: Pale-yellow cryst. ($MeOH/Et_2O$). Mp 224.5-226° dec.

Yamato, E. *et al*, *Tetrahedron*, 1966, **8**, 129 (*synth*)
South African Pat., 6 802 416, (*1968*); *CA*, **70**, 68198w (*resoln*)
Grundy, H.F. *et al*, *Br. J. Pharmacol.*, 1970, **38**, 416 (*pharmacol*)
Miller, D.D. *et al*, *J. Med. Chem.*, 1975, **18**, 454 (*synth, pharmacol*)
Dalton, C. *et al*, *Biochem. Pharmacol.*, 1976, **25**, 2209 (*props, isomers*)
Brossi, A., *Heterocycles*, 1978, **11**, 521 (*rev, pharmacol*)
Brennan, T.F. *et al*, *Cryst. Struct. Commun.*, 1979, **8**, 953 (*cryst struct*)
Mayo, J.R. *et al*, *Biochem. Pharmacol.*, 1981, **30**, 2237 (*pharmacol*)
Williams, D.A. *et al*, *Biochem. Pharmacol.*, 1983, **32**, 1447 (*metab*)
Noyori, R. *et al*, *J. Am. Chem. Soc.*, 1986, **108**, 7117 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2110.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5329 (*synonyms*)

Triamcinolone, BAN, INN **T-00419**

9α-Fluoro-11β,16α,17α,21-tetrahydroxy-1,4-pregnadiene-3,20-dione. Kenacort. Aristocort. Lederspan. Fluoxiprednisolone. Numerous other synonyms

[124-94-7]



$C_{21}H_{27}FO_6$ M 394.439

Glucocorticoid; antiinflammatory. Cryst. Mp 269-271°. $[\alpha]_D^{25}$ +75° (Me_2CO).

▷TU3850000.

16,21-Di-Ac: [67-78-7]. *Triamcinolone diacetate. Other synonyms.*

$C_{25}H_{31}FO_8$ M 478.514

Mp 186-188°, 235° (after drying). $[\alpha]_D$ +22° ($CHCl_3$).

▷TU3950000.

16,17-Acetone ketal: ***Triamcinolone acetonide, BAN, INN, USAN.*** *Adcortyl. Kenalog. Ledercort. Vetalog. Other synonyms.*

$C_{24}H_{31}FO_6$ M 434.504

Glucocorticoid, also employed as the 21-disodium phosphate; antiinflammatory agent. Cryst. Mp 292-294°. $[\alpha]_D^{23}$ +109° (c, 0.75 in $CHCl_3$).

▷TU3920000.

16,7-Acetone ketal 21-(dihydrogen phosphate), di-Na salt: [1997-15-5]. *Triamcinolone acetonide sodium phosphate, USAN.*

$C_{24}H_{30}FNa_2O_9P$ M 558.447

Glucocorticoid.

16,17-Acetone ketal, 21-(3,3-dimethylbutanoyl): [5611-51-8]. ***Triamcinolone hexacetonide, BAN, USAN, INN.*** *Aristospan. Fluoxiprednisolone hexacetonide. Other synonyms.*

$C_{30}H_{41}FO_7$ M 532.648

Glucocorticoid; antiinflammatory agent. Needles. Mp 295-296° dec., Mp 271-272° dec. $[\alpha]_D^{25}$ +90° (c, 0.02 in $CHCl_3$).

▷TU3930000.

16,17-2-Propenal acetal: [28971-58-6]. ***Acrocinonide, INN.*** *Triamcinolone acroleinide. SD 2102-18.*

$C_{24}H_{29}FO_6$ M 432.488

Glucocorticoid; antiinflammatory agent. Cryst. Mp 200-205°. $[\alpha]_D^{25}$ +82.5° (c, 1.0 in $CHCl_3$).

16,17-(3-Pentanone) ketal: [3924-70-7]. ***Amcinafal, INN, USAN.*** *Triamcinolone pentanonide. SQ 15102.*

$C_{26}H_{35}FO_6$ M 462.557

Glucocorticoid; antiinflammatory agent. Mp 265-268°. $[\alpha]_D$ +91° ($CHCl_3$).

16,17-Acetone ketal, 21-hemisuccinate: [3092-61-3]. *Solutedarol. Triamcinolone acetonide hemisuccinate.*

$C_{28}H_{35}FO_9$ M 534.578

Glucocorticoid (antiinflammatory, antiallergic).

Aminobenzal benzamidoisobutyrate: [51241-99-7]. *Taucorten. TBI/PAB.*

$C_{41}H_{47}FN_2O_8$ M 714.829

Glucocorticoid (antiinflammatory, antiallergic).

▷TU3690000.

16,17-Acetophenonide: see Amcinafide, A-00176

Acetonide metembonate: see Flupamesone, F-00196

O^{21}-(3-Benzamido-2-methylpropanoyl): [31002-79-6]. ***Triamcinolone benetonide, INN.*** *Alcorten. Benecorten.*

$C_{35}H_{42}FNO_8$ M 623.717

Antiinflammatory agent. Cryst. (MeOH). Mp 180-182°.

O^{21}-(2-Benzofurancarboxylate): [4989-94-0]. ***Triamcinolone furetonide, INN.*** *HE 192.*

$C_{33}H_{35}FO_8$ M 578.633

Antiinflammatory agent. Mp 250°.

Bernstein, S. *et al, J. Am. Chem. Soc.*, 1956, **78**, 5693 (*synth*)

Fried, J. *et al, J. Am. Chem. Soc.*, 1958, **80**, 2338 (*synth, pharmacol*)

Bernstein, S. *et al, J. Am. Chem. Soc.*, 1959, **81**, 1689 (*synth, acetonide*)

U.S.P., 3 316 152, (*1967*); *CA*, **67**, 44022w (*furetonide*)

Ger. Pat., 2 006 635, (*1970*); *CA*, **73**, 120823z (*Acrocinonide*)

Ger. Pat., 2 047 218, (*1971*); *CA*, **75**, 64113 (*benetonide*)

Florey, K., *Anal. Profiles Drug Subst.*, 1972, **1**, 367, 397, 423 (*rev*)

Toft, P. *et al, Can. J. Pharm. Sci.*, 1972, **7**, 53 (*ms*)

Fiegel, G., *Arzneim.-Forsch.*, 1975, **25**, 560 (*rev*)

Zbinovsky, V. *et al, Anal. Profiles Drug Subst.*, 1977, **6**, 579 (*rev*)

Sieh, D.H., *Anal. Profiles Drug Subst.*, 1982, **11**, 593, 615, 651 (*rev*)

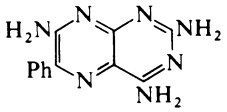
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6222, 7100, 7152, 7286, 7450, 7871, 7984, 8063.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1134, 1135, 1136, 1137, 13371.

2,4,7-Triamino-6-phenylpteridine, 8CI **T-00420**

6-Phenyl-2,4,7-pteridinetriamine, 9CI. ***Triamterene, BAN, USAN, INN.*** *Dytac. Dyrenium. Jatropur. NSC 77625. SKF 8542. Urocaudal. Other synonyms*

[396-01-0]



$C_{12}H_{11}N_7$ M 253.266

Diuretic, antimalarial agent. Yellow plates (butanol). Insol. Et_2O, sl. sol. EtOH, $CHCl_3$. Mp 316°.

▷UO3470000.

5,8-Dioxide: [51324-36-8].

$C_{12}H_{11}N_7O_2$ M 285.265

Fine needles (EtOH). Mp 340-341° dec.

Spickett, R.G.W. *et al, J. Chem. Soc.*, 1954, 2887 (*synth*)

Pachter, I.J., *J. Org. Chem.*, 1963, **28**, 1191 (*synth*)

Osdene, T.S. *et al, J. Med. Chem.*, 1967, **10**, 431 (*synth, pharmacol*)

Fales, H.M. *et al, Arch. Mass. Spectral Data*, 1971, **2**, 690 (*ms*)

Yamamoto, H. *et al, Chem. Ber.*, 1973, **106**, 3175.

Knau, F.H. *et al, Arzneim.-Forsch.*, 1978, **28**, 1414 (*metab*)

Gundert-Remy, U. *et al, Eur. J. Clin. Pharmacol.*, 1979, **16**, 39 (*pharmacol*)

Soergel, F. *et al, Clin. Pharmacol. Ther. (St. Louis)*, 1985, **38**, 306 (*pharmokinetics*)

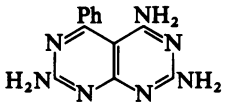
Schwalbe, C.H. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 1097 (*cryst struct*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2248.

2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]-pyrimidine, 8CI T-00421

5-Phenylpyrimido[4,5-d]pyrimidine-2,4,7-triamine. Ampyrimine, INN. SKF 13338

[5587-93-9]



$C_{12}H_{11}N_7$ M 253.266

Diuretic.

Phosphate: [19796-54-4]. Mp >300°.

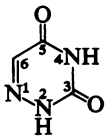
Graboyes, H. *et al, J. Med. Chem.*, 1968, **11**, 568 (*synth*)

Weinstock, J. *et al, J. Med. Chem.*, 1968, **11**, 573 (*pharmacol*)

1,2,4-Triazine-3,5(2*H*,4*H*)-dione T-00422

6-Azauracil. AzU. NSC 3425

[461-89-2]



$C_3H_3N_3O_2$ M 113.076

NH-Form predominates. Antibacterial and antitumour agent. Cryst. (H_2O). Mp 278-280° (sinters).

▷XY7700000.

NH-form

2-Me:

$C_4H_5N_3O_2$ M 127.102

Cryst. (EtOH). Mp 156-157°.

4-Me:

$C_4H_5N_3O_2$ M 127.102

Cryst. (EtOH). Mp 171°.

2,4-Di-Me:

$C_5H_7N_3O_2$ M 141.129

Cryst. (EtOH). Mp 64-65°.

OH-form

Minor tautomer.

3-Me ether:

$C_4H_5N_3O_2$ M 127.102

Cryst. (EtOH). Mp 167-169°.

5-Me ether:

$C_4H_5N_3O_2$ M 127.102

Cryst. (EtOAc/MeOH). Mp 163-165°.

3-Me ether, 4-Me:

$C_5H_7N_3O_2$ M 141.129

Cryst. (C_6H_6/pet. ether). Mp 100-101°.

5-Me ether, 2-Me:

$C_5H_7N_3O_2$ M 141.129

Cryst. (C_6H_6/pet. ether). Mp 67-68°.

Barlow, R.B. *et al, J. Am. Chem. Soc.*, 1956, **78**, 1258 (*synth*)

Falco, E.A. *et al, J. Am. Chem. Soc.*, 1956, **78**, 1938 (*synth*)

Welch, A.D. *et al, J. Pharmacol. Exp. Ther.*, 1960, **129**, 262 (*pharmacol*)

Mobek, M. *et al, Collect. Czech. Chem. Commun.*, 1967, **32**, 1295 (*synth*)

Singh, P. *et al, Acta Crystallogr., Sect. B*, 1974, **30**, 1430 (*cryst struct*)

Piskala, A. *et al, Collect. Czech. Chem. Commun.*, 1975, **40**, 2326 (*deriv*)

Lavergne, J.P. *et al, Org. Mass Spectrom.*, 1976, **11**, 1002 (*ms*)

Lovelette, C.A., *J. Heterocycl. Chem.*, 1979, **16**, 1649 (*synth*)

Miller, M.W. *et al, J. Med. Chem.*, 1979, **22**, 1483 (*synth, derivs*)

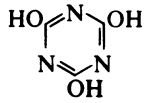
Rai, J.N., *Indian J. Phys. B*, 1983, **57**, 241 (*ir*)

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2608.

1,3,5-Triazine-2,4,6-triol, 9CI T-00423

Cyanuric acid

[108-80-5]



$C_3H_3N_3O_3$ M 129.075

Ethers (cyanuric esters) are hypnotics and anticonvulsants.

▷XZ1800000.

Tri-Me ether: [877-89-4].

$C_6H_9N_3O_3$ M 171.155

Mp 135°. Bp 265°.

Tri-Et ether: [884-43-5].

$C_9H_{15}N_3O_3$ M 213.236

Mp 30°. Bp 275°.

Tribenzyl ether:

$C_{24}H_{21}N_3O_3$ M 399.448

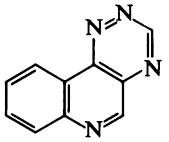
Mp 101-102°.

Smolin, E.M. *et al, Chem. Heterocycl. Compd.*, 1959, **13**, 17 (*rev*)

1,2,4-Triazino[5,6-*c*]quinoline, 9CI T-00424

Strinoline, INN

[39862-58-3]



$C_{10}H_6N_4$ M 182.184

Antiinflammatory agent. Analgesic. Cryst. (EtOH aq.). Mp 162-164°.

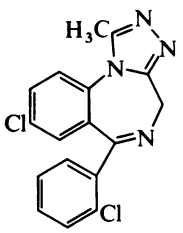
Ger. Pat., 2 322 394, (*1973*); *CA*, **80**, 27300m (*synth, pharmacol*)

Zolyomi, G. *et al, Chem. Ber.*, 1976, **109**, 2338 (*synth*)

Triazolam, BAN, USAN, INN, JAN T-00425

8-Chloro-6-(2-chlorophenyl)-1-methyl-4H-[1,2,4]-triazolo[4,3-a][1,4]benzodiazepine, 9CI. Halcion. Clorazolam. Insomnium. Novidorm. Nuctane. Somese. Songar. U-33030

[28911-01-5]



$C_{17}H_{12}Cl_2N_4$ M 343.215

Hypnotic, sedative. Tan cryst. (2-propanol). Mp 233-235°.

▷XZ5472500.

Hester, J.B. *et al, J. Med. Chem.*, 1971, **14**, 1078 (*synth*)

Majuro, K. *et al, Chem. Pharm. Bull.*, 1973, **21**, 2382 (*synth*)

Eberts, F.S., *Drug Metab. Dispos.*, 1977, **5**, 547 (*metab*)

Jochemsen, R. *et al, Br. J. Clin. Pharmacol.*, 1983, **16**, 291 (*pharmacol*)

Kroboth, P.D. *et al, Drug Intell. Clin. Pharm.*, 1983, **17**, 495 (*rev, pharmacol*)

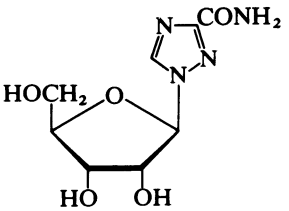
Vejdelek, Z.J. *et al, Collect. Czech. Chem. Commun.*, 1983, **48**, 123 (*synth*)

Fernandez-Arciniegaetal, M.A. *et al*, *Bull. Soc. Chim. Belg.*, 1985, **94**, 585 (*ms, nmr*)
Scahill, T.A. *et al*, *Magn. Reson. Chem.*, 1985, **23**, 280 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4073.

Tribavirin, BAN T-00426

1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide, 9CI. ***Ribavirin, USAN, INN****. Ribamidil. Vilona. Viramid. Viratek. Virazide. Virazole. Virustaz*

[36791-04-5]



$C_8H_{12}N_4O_5$ M 244.207

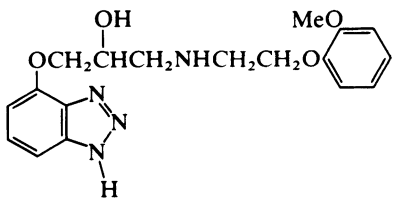
Antiviral agent. Sol. H_2O. Mp 174-176°. $[\alpha]_D^{25}$ −36.5°.

▷XZ4250000.

Kreishman, G.P. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 5894 (*pmr, cmr*)
Sidwell, R.W. *et al*, *Science*, 1972, **177**, 705 (*pharmacol*)
Prusiner, P. *et al*, *Nature (London)*, New Biol., 1973, **244**, 116 (*cryst struct*)
Witkowski, J.T. *et al*, *J. Med. Chem.*, 1973, **16**, 935 (*synth, pharmacol*)
Ito, Y. *et al*, *Tetrahedron Lett.*, 1979, 2521 (*synth*)
Chang, T.W. *et al*, *Drugs*, 1981, **22**, 111 (*rev, pharmacol*)
Canonica, P.G., *Antibiotics (N.Y.)*, 1983, **6**, 161 (*rev*)
Canonica, P.G., *Antiviral Res.*, 1985, 75 (*rev*)
Smith, R.A. *et al*, *Int. Congr. Symp. Ser.-R. Soc. Med.*, 1986, **108**, 3.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1685.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2368.

Tribendilol, INN T-00427

1-(1H-Benzotriazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]amino]-2-propanol, 9CI. 4-[2-Hydroxy-3-[2-(2-methoxyphenoxy)ethylamino]-propoxy]benzotriazole



$C_{18}H_{22}N_4O_4$ M 358.396

(±)-*form* [96258-13-8]

β-Adrenergic blocker (antihypertensive agent).

B,HCl: [76650-59-4]. *BM 11604.* Cryst. (MeOH/Et_2O). Mp 113-115°.

Ger. Pat., 2 905 877, (*1980*); *CA*, **94**, 121503 (*synth, pharmacol*)

2,2,2-Tribromoethanol, 9CI, 8CI T-00428

Avertin. Basikrol. Bromethol. Ethobrome. Tribromethanol. Narcolan. Narcotyl. Rectanol. Renarcol

[75-80-9]

Br_3CCH_2OH

$C_2H_3Br_3O$ M 282.757

Inhalation anaesthetic, hypnotic. Needles or prisms with slight ethereal odour. Sol. H_2O, EtOH, Et_2O, C_6H_6. Mp 80°. Bp_{10} 92-93°.

▷KM3675000.

Chloroformate: [17182-43-3]. *2,2,2-Tribromoethyl chloroformate.*

$C_3H_2Br_3Cl$ M 313.214

OH-Protecting reagent for nucleosides. Bp_{10} 103°, $Bp_{0.05}$ 47-50°.

Benzoyl:

$C_9H_7Br_3O_2$ M 386.865

Mp 35.5-36.5°.

Carbonate: Mp 112-113°.

Urethane:

$C_3H_4Br_3NO_2$ M 325.782

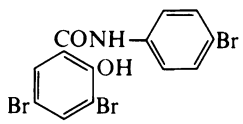
Prisms (EtOH). V. sol. H_2O, sol. EtOH, Et_2O. Mp 86-87°.

Edwards, G., *Proc. R. Soc. Med.*, 1945, **39**, 71; *CA*, **40**, 3232 (*rev*)
Hesse, G. *et al*, *Chem. Ber.*, 1959, **92**, 2022 (*synth*)
Krantz, J.C., *Kirk-Othmer Encycl. Chem. Technol.*, 1963, **2**, 393 (*rev, pharmacol*)
Bloxam, D.L., *Biochem. Pharmacol.*, 1967, **16**, 283 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3125.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 331.

Tribromsalan, BAN, USAN, INN T-00429

3,5-Dibromo-N-(4-bromophenyl)-2-hydroxybenzamide, 9CI. 3,4',5-Tribromosalicylanilide, 8CI. Other synonyms

[87-10-5]



$C_{13}H_8Br_3NO_2$ M 449.924

Antibacterial and antifungal agent used in soaps. Cryst. Sol. hot Me_2CO. Mp 227-228°. Component of Diaphene.

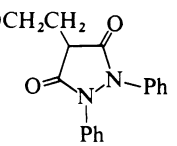
▷VN8925000.

Lemaire, H. *et al*, *J. Pharm. Sci.*, 1961, **50**, 831 (*synth*)
Takahashi, T. *et al*, *Bunseki Kagaku*, 1968, **17**, 199 (*ir*)
Tripathy, H. *et al*, *Agric. Biol. Chem.*, 1973, **37**, 1375 (*synth, pharmacol*)
Coburn, R.A. *et al*, *J. Med. Chem.*, 1981, **24**, 1245 (*synth, activity*)
Norburg, H.M. *et al*, *Xenobiotica*, 1981, **11**, 501 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2620.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2213.

Tribuzone, INN T-00430

4-(4,4-Dimethyl-3-oxopentyl)-1,2-diphenyl-3,5-pyrazolidinedione, 9CI, 8CI. Benetazone. Trimethazone. TMZ

[13221-27-7]



$C_{22}H_{24}N_2O_3$ M 364.443

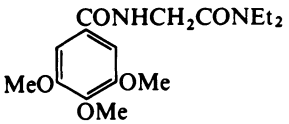
Analgesic, antiinflammatory agent. Mp 139-140°.

B.P., 1 117 679, (*1968*); *CA*, **68**, 96713h (*synth, pharmacol*)
Fisnerova, L. *et al*, *Collect. Czech. Chem. Commun.*, 1968, **33**, 2681 (*synth, pharmacol*)
Sarsunova, M. *et al*, *Pharmazie*, 1972, **27**, 447 (*tlc*)
Grimova, J. *et al*, *Cesk. Farm.*, 1974, **23**, 28 (*pharmacol*)
Knobloch, E. *et al*, *Cesk. Farm.*, 1974, **23**, 378 (*props, tox*)
Peterkova, M. *et al*, *Cesk. Farm.*, 1975, **24**, 128 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2714.

Tricetamide, USAN T-00431

N-[*2-(Diethylamino)-2-oxoethyl*]-*3,4,5-trimethoxybenzamide*, *9CI*. N-[(*Diethylcarbamoyl*)*methyl*]-*3,4,5-trimethoxybenzamide*, *8CI*. *Trimeglamide. GTBA. R 548. Riker 548. Thylamid. Trimethobenzylycine*

[363-20-2]



$C_{16}H_{24}N_2O_5$ M 324.376
Sedative. Cryst. (H_2O). Mp 133-134°.

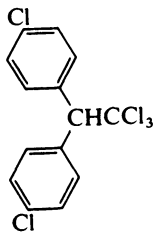
▷CV4285000.

Kuehne, M.E. *et al*, *J. Am. Chem. Soc.*, 1959, **81**, 4278 (*synth, pharmacol*)
Sharma, J.D. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1962, **137**, 218 (*pharmacol*)

1,1,1-Trichloro-2,2-bis(4-chlorophenyl)-ethane T-00432

1,1'-(2,2,2-Trichloroethylidene)bis(4-chlorobenzene), *9CI*. ***Clofenotane, INN***. *Chlorophenothane*. p,p'-*DDT*

[50-29-3]



$C_{14}H_9Cl_5$ M 354.490
Insecticide. Major component of commercial DDT (BSI) (other names Gespan, Gesarol, Geverol, Chlorophenotane). Mp 108.5-109°.

▷Toxic by skin absorption and oral ingestion. An exp. carcinogen and mutagen. KJ3325000.

Langer, P. *et al*, *Helv. Chim. Acta*, 1944, **27**, 282.
Bailes, *J. Chem. Educ.*, 1945, **22**, 122 (*synth*)
Haller, H.L. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 1591.
Downing, J.R., *Ind. Eng. Chem. Anal.*, 1946, **18**, 461 (*ir*)
Forrest, J. *et al*, *J. Chem. Soc.*, 1946, 333 (*synth*)
Mueller, P., *Helv. Chim. Acta*, 1946, **29**, 1560.
Sphon, J.A. *et al*, *Org. Mass Spectrom.*, 1970, **3**, 51 (*ms*)
Hague, R. *et al*, *Biochemistry*, 1973, **12**, 2346 (*nmr*)
Moilanew, K.W. *et al*, *Science*, 1973, **180**, 578.
Abou-Donici, M.B., *Appl. Spectrosc.*, 1975, **29**, 261 (*uv*)
Baldwin, M.K. *et al*, *Pestic. Sci.*, 1977, **8**, 110 (*anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3578.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 201.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 854.

2,2,2-Trichloro-1,1-ethanediol T-00433

Chloral hydrate. Trichloroacetaldehyde monohydrate. Noctec. Lorinal. Somnos

$Cl_3CCH(OH)_2$

$C_2H_3Cl_3O_2$ M 165.404
Hypnotic, sedative, topical antiseptic. Large plates + $1H_2O$ (H_2O). Mp 57°. Bp_{764} 96.3° dec.

▷Skin irritant, hypnotic

Betaine complex: [2218-68-0]. ***Chloral betaine, BAN, USAN***. *Cloral betaine, INN. Beta-Chlor. Somilan.* Hypnotic. Prisms (H_2O). Mp 122.5-124.5°.
Phenazone complex: [480-30-8]. ***Dichloralphenazone, BAN***. *Midrid. Paedo-Sed. Welldorm.* Hypnotic and sedative. Small needles (H_2O). Mp 68°.

▷CD2600000.

Maynert, E.W., *Drill's Pharmacol. Med., 4th Ed.*, 1971, 227 (*rev, pharmacol*)
Brown, G.M. *et al*, *Cryst. Struct. Commun.*, 1973, **2**, 107 (*cryst struct*)
Fairbrother, J.E., *Anal. Profiles Drug Subst.*, 1973, **2**, 85 (*rev, spectra*)
Mueller, G. *et al*, *Arch. Toxicol.*, 1974, **32**, 283 (*metab*)
Peters, J.H. *et al*, *Toxicol. Appl. Pharmacol.*, 1975, **31**, 290 (*metab, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 39.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4020.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 666.

2,2,2-Trichloroethanol, 9CI, 8CI T-00434

[115-20-8]

Cl_3CCH_2OH

$C_2H_3Cl_3O$ M 149.404
Hypnotic. Used as protecting group for carboxylic acids. Rhombic plates or hygroscopic liq. with ethereal odour. Sol. H_2O, EtOH, Et_2O. d_{20}^{20} 1.55. Mp 19°. Bp 151-153°, Bp_{125} 94-97°.

▷KM3850000.

4-Nitrobenzoyl: Prisms (EtOH). Mp 71°.
1-Naphthylurethane:
$C_{13}H_{10}Cl_3NO_2$ M 318.587
Cryst. (ligroin). Mp 120°.
Urethane: [107-69-7]. *Trichloroethanol carbamate*, *9CI*. *Carbamina. Trichloroethylurethan. Trichlorourethan. Voluntal.*
$C_3H_4Cl_3NO_2$ M 192.429
In former use as soporific. Needles (ligroin). Mp 64-65°.

▷FD1750000.

Org. Synth., Coll. Vol., **2**, 598 (*synth*)
Dean, P.M. *et al*, *J. Am. Chem. Soc.*, 1936, **58**, 332 (*synth*)
Sroog, C.E. *et al*, *J. Am. Chem. Soc.*, 1949, **71**, 1710 (*synth*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 605.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2621.

2,2,2-Trichloroethanol carbonate, 9CI T-00435

Carbonic acid bis(2,2,2-trichloroethyl) ester, *8CI*. ***Clorethate, USAN***. *Bis(2,2,2-trichloroethyl)carbonate. Cloretate, INN. SKF 12866*

[5634-37-7]

$O{=}C(OCH_2CCl_3)_2$

$C_5H_4Cl_6O_3$ M 324.803
Sedative, hypnotic. Mp 86-87°.
▷FF8925000.

Caldwell, H.C. *et al*, *J. Pharm. Sci.*, 1967, **56**, 920 (*synth, pharmacol*)
Evens, E.D. *et al*, *Tetrahedron Lett.*, 1969, **7**, 555 (*ms, nmr, synth*)

Trichloroethylene, 8CI, INN T-00436

Trichloroethene, 9CI. Tri-Clene. Trichloran. Chlorylen. Other proprietary names

[79-01-6]

$Cl_2C{=}CHCl$

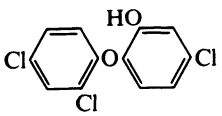
C_2HCl_3 M 131.389
Industrial solv. for grease, waxes, oils, etc.; veterinary inhalation anaesthetic. Nonflammable mobile liq. with characteristic odour. Insol. H_2O, sol. most org. solvs. d_4^{20} 1.46. Mp −84.8°. Bp 86.7°, Bp_{60} 20.0°. Widespread use declining due to toxicity.
▷Mod. toxic by inhalation and skin absorption, TLV 535. Violent reacn. with many metals. Vapour can ignite or explode if heated. KX4550000.

Japan. Pat., 6874, (*1954*); *CA*, **50**, 2651 (*synth*)
Shikaji, T., *Chem. Eng.* (*London*), 1970, **77**, 74 (*synth*)
Waters, E.M. *et al*, *J. Toxicol. Environ. Health*, 1977, **2**, 671 (*rev*)
McNeill, W.C., *Kirk-Othmer. Encycl. Chem. Technol. 3rd Ed.*, 1979, **5**, 745 (*rev*)
Fielder, R.J. *et al*, *Toxicol. Rev.*, 1982, 6 (*rev, metab, tox*)
Bretherick, L., *Chem. Eng. News*, Dec. 12, 1988, 2 (*haz*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 32.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 346.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 514.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2621.

2,4,4'-Trichloro-2'-hydroxydiphenyl ether T-00437

5-Chloro-2-(2,4-dichlorophenoxy)phenol, 9CI, 8CI. ***Triclosan, BAN, USAN, INN.*** *Irgasan DP 300. Cloxifenol. Other synonyms*

[3380-34-5]



$C_{12}H_7Cl_3O_2$ M 289.545
Bacteriostatic agent used in soaps and deodorants. Off-white cryst. powder or soft agglomerates. Insol. H_2O, sol. org. solvs. Mp 54-57°. Light-sensitive.
▷KO1100000.

Belg. Pat., 659 636, (*1965*); *CA*, **64**, 2010e (*synth*)
Furia, T.E. *et al*, *Proc. Annu. Meet., Chem. Spec. Manuf. Assoc.*, 1967, **54**, 131 (*rev, pharmacol*)
Black, J.G. *et al*, *Toxicology*, 1975, **3**, 33 (*metab*)
Siddiqui, W.H. *et al*, *J. Environ. Path. Toxicol.*, 1979, **2**, 861 (*pharmacol*)
Tulp, M.T.M. *et al*, *Xenobiotica*, 1979, **9**, 65 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2192.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2287.

(2,2,2-Trichloro-1-hydroxyethyl)carbamic acid T-00438

$Cl_3CCH(OH)NHCOOH$

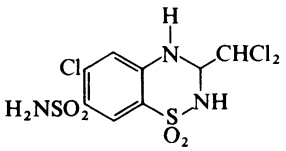
$C_3H_4Cl_3NO_3$ M 208.429
Free acid unknown.
Et ester: [541-79-7]. ***Carbocloral, BAN, USAN, INN.*** *Chloral urethane. Prodorm. Tradal. Ural. Uraline. CI 336. CN 16146. Hy 185. NSC 33077.*
$C_5H_8Cl_3NO_3$ M 236.482
Hypnotic, anticonvulsant. Mp ca. 103° part dec.
Benzyl ester: [6798-34-1].
$C_{10}H_{10}Cl_3NO_3$ M 298.553
Cryst. (C_6H_6/toluene). Mp 114-115°.

Bischoff, C., *Ber.*, 1874, **7**, 628 (*carbocloral*)
Weygand, F. *et al*, *Chem. Ber.*, 1966, **99**, 1944 (*ester*)

Trichloromethiazide, INN T-00439

6-Chloro-3-(dichloromethyl)-3,4-dihydro-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9CI, 8CI. Hydrotrichlorothiazide. Metahydrin. Naqua. Numerous tradenames

[133-67-5]



$C_8H_8Cl_3N_3O_4S_2$ M 380.648
▷DK8925000.

(±)-form

Diuretic, antihypertensive agent. Mp 280-281°.

Topliss, J.G. *et al*, *J. Org. Chem.*, 1961, **26**, 3842 (*synth, pharmacol*)
Smith, P.J. *et al*, *Anal. Biochem.*, 1968, **22**, 134 (*tlc, ir*)
Kracmar, J. *et al*, *Cesk. Farm.*, 1971, **20**, 287 (*uv*)
Moskalyk, R.E. *et al*, *J. Pharm. Sci.*, 1975, **64**, 1406 (*hplc*)
Stohs, S.J. *et al*, *J. Chromatogr.*, 1975, **114**, 329 (*tlc*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 846 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2359.

1,1,1-Trichloro-2-methyl-2-propanol, 9CI T-00440

Trichloro-tert-butylalcohol. Chloretone. ***Chlorobutanol, INN.*** *Chlortran. Acetonechloroform. Methaform. Sedaform. Other synonyms*

[57-15-8]

$(H_3C)_2C(OH)CCl_3$

$C_4H_7Cl_3O$ M 177.458
Antimicrobial agent, dental analgesic. Veterinary sedative, antipruritic, antiseptic, hypnotic. Hydrated cryst. Mp 78° (anhyd. 91°). Bp 167°, Bp_{246} 135°. Sublimes, steam-volatile.
▷Toxic and narcotic. UC0175000.

Ac:
$C_6H_9Cl_3O_2$ M 219.495
Bp 190-193°, Bp_{20} 87°.
Me ether:
$C_5H_9Cl_3O$ M 191.485

Mp 77-78°.

Matyushenskii, B.V. *et al*, *CA*, 1957, **51**, 2637d (*synth*)
Czech. Pat., 131 778, (*1968*); *CA*, **72**, 110775a (*synth*)
Velichko, F.K. *et al*, *Org. Magn. Reson.*, 1975, **7**, 46 (*cmr*)
Jensen, B.L. *et al*, *Tetrahedron Lett.*, 1977, 2639 (*synth*)
Merz, A. *et al*, *Chem. Ber.*, 1977, **110**, 96 (*synth*)
Tung, C. *et al*, *Biopharm. Drug Dispos.*, 1982, **3**, 371 (*pharmacol*)
Saljoughian, M. *et al*, *Monatsh. Chem.*, 1983, **114**, 813 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6640.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 203.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 89.

2,4,5-Trichlorophenol, 9CI, 8CI T-00441

Collunosol. Dowicide 2. Omal. Soldep

[95-95-4]

$C_6H_3Cl_3O$ M 197.448

Fungicide, bactericide. Needles (pet. ether). Mp 68°. Bp 253°. pK_a 7.42 (25°). Sublimes.

▷Irritant. SN1400000.

Me ether: [6130-75-2]. *1,2,4-Trichloro-5-methoxybenzene, 9CI. 2,4,5-Trichloroanisole.*
$C_7H_5Cl_3O$ M 211.475
Needles (EtOH). Mp 77.5°. Bp_{742} 252-255°.

Benzoyl:
$C_{13}H_7Cl_3O_2$ M 301.556
Needles (EtOH). Mp 92-93°.

Piperazine salt (2:1): see Piperazine, P-00285

▷*SN2670000.*

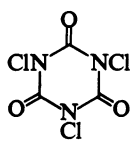
Complex with Triisobutyl phosphate: [3570-29-4]. *Trichlorex.*
$C_{18}H_{30}ClO_5P$ M 392.859
Antiseptic, antifungal agent. Liq. $Bp_{0.01}$ 94-103°.

Holleman, A.F., *Recl. Trav. Chim. Pays-Bas*, 1920, **39**, 737.
Kohn, M. *et al*, *Monatsh. Chem.*, 1931, **58**, 737.
Tiessens, G.J., *Recl. Trav. Chim. Pays-Bas*, 1931, **50**, 114.
Harrison, W.S.W. *et al*, *J. Chem. Soc.*, 1943, 235 (*synth*)
U.S.P., 2 457 805, (*1949*); *CA*, **43**, 3459
Galat, A., *J. Am. Chem. Soc.*, 1952, **74**, 3890.
Jondorf, W.R. *et al*, *Biochem. J.*, 1955, **61**, 512 (*synth, uv*)
Fr. Pat., M149, (*1961*); *CA*, **58**, 3356 (*Trichlorex*)
Freiter, E.R., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd Ed., 1979, **5**, 864 (*rev*)
Bayle, J.P. *et al*, *J. Mol. Struct.*, 1980, **58**, 487 (*Cl-35 nqr*)
Knuutinen, J. *et al*, *Org. Magn. Reson.*, 1980, **14**, 360 (*cmr*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1046.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 516.

1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione T-00442

Trichloroisocyanuric acid, JAN. **Symclosene,** *USAN, INN. Chloreal. ACL 85. NSC 405124*

[87-90-1]



$C_3Cl_3N_3O_3$ M 232.410

Chlorinating agent, topical disinfectant. Converts ethers to esters. Mp 248°.

▷XZ1925000.

Hands, C.H.G., *Chem. Ind. (London)*, 1948, **67**, 66 (*synth*)
Smolin, E.M. *et al*, *s-Triazines and Derivatives*, 1959, Interscience, N.Y. 391 (*rev*)
Petterson, R.C. *et al*, *J. Org. Chem.*, 1960, **25**, 1595 (*synth, struct*)
Jeromin, G.E. *et al*, *Chem. Ber.*, 1987, **120**, 649 (*use*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **6**, 605.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1045.

Trichlorphon, BSI T-00443

Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate, 9CI, 8CI. **Metriphonate, BAN.** *Metrifonate, INN. Dipterex. Neguvon. Tugon. Dylox. Trichlorfon. Other proprietary names*

[52-68-6]

$(MeO)_2P(O)CH(OH)CCl_3$

$C_4H_8Cl_3O_4P$ M 257.438

Agricultural insecticide and ectoparacticide. Cryst. Sol. C_6H_6, EtOH, mod. sol. H_2O, spar. sol. Et_2O, pet. ether. Mp 83-84°. Stable at room temp. but dec. by hot H_2O.

▷Toxic, cholinesterase inhibitor. TA0700000.

Butanoate: see Butonate, B-00413

Barthel, W.F. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 4186 (*synth*)
Lorenz, W. *et al*, *J. Am. Chem. Soc.*, 1955, **77**, 2554 (*synth, ir*)
Babad, H. *et al*, *Anal. Chim. Acta*, 1968, **41**, 259 (*pmr*)
Nikonorov, K.V. *et al*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1976, **25**, 1398 (*Engl. transl.* p.1341) (*pmr*)
Stan, H.-H. *et al*, *Z. Anal. Chem.*, 1977, **287**, 271 (*glc, ms*)
Brienne, M.J. *et al*, *Nouv. J. Chim.*, 1978, **2**, 19 (*config*)
Klima, R. *et al*, *Cryst. Struct. Commun.*, 1981, **10**, 901 (*cryst struct*)
Sohr, H. *et al*, *Z. Naturforsch., B*, 1983, **38**, 819 (*polymorphism, props*)
Stobiecki, S. *et al*, *Przem. Chem.*, 1984, **63**, 22, 33; *CA*, **100**, 174954.
Pesticide Manual, 6th Ed., 531; 7th Ed., 547.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 213.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3564.

Trichosanthin T-00444

Compound Q. GLQ 223

[60318-52-7]

Protein consisting of 234 amino acid residues (MW 25682 calc.). Isol. from *Trichosanthes kirilowii* root tubers. Potentially of use against HIV infection; currently undergoing clinical trials (1989). Monoclinic cryst. Partially purified trichosanthin preparations have been used as abortifacients and antitumour agents.

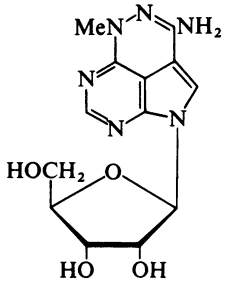
▷YD0806000.

Chan, Y. *et al*, *Shanghai J. Chin. Med.*, 1982, **3**, 30 (*use*)
Cheng, K.F., *Obstet. Gynecol.*, 1982, **59**, 494 (*use*)
Yeung, H.W. *et al*, *Int. J. Pept. Protein Res.*, 1985, **27**, 325.
Wang, Y. *et al*, *Pure Applied Chem.*, 1986, **58**, 789 (*isol, struct*)
McGrath, M.S. *et al*, *Proc. Natl. Acad. Sci. USA*, 1989, **86**, 2844 (*pharmacol*)

Triciribine, INN **T-00445**

1,5-Dihydro-5-methyl-1-β-D-ribofuranosyl-1,4,5,6,8-pentaazaacenaphthylen-3-amine, 9CI. 3-Amino-1,5-dihydro-5-methyl-1-β-D-ribofuranosyl-1,4,5,6,8-pentaazaacenaphthylene. NSC 154020. TCN

[35943-35-2]



$C_{13}H_{16}N_6O_4$ M 320.307

Antineoplastic, antileukaemic agent.

Phosphate salt: [61966-08-3]. *Triciribine phosphate, USAN. NSC 280594.* Solid (H_2O).

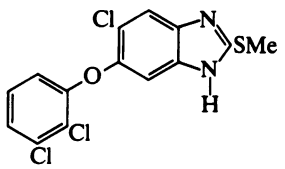
▷RY8450000.

Plagemann, P.G.W. *et al, J. Biol. Chem.*, 1977, **252**, 2010 (*metab*)
Bennett, L.L. *et al, Biochem. Pharmacol.*, 1978, **27**, 233 (*pharmacol*)
U.S.P., 4 123 524, (*1978*); *CA*, **89**, 44130j (*synth, pharmacol, tox*)
Schweinsberg, P.D., *Diss. Abstr. Int. B*, 1981, **42**, 1420 (*metab*)
Schilcher, R.B. *et al, J. Chromatogr.*, 1985, **337**, 55 (*hplc*)

Triclabendazole, INN **T-00446**

5-Chloro-6-(2,3-dichlorophenoxy)-2-(methylthio)-1H-benzimidazole, 9CI. Fasinex. CGA-89317

[68786-66-3]



$C_{14}H_9Cl_3N_2OS$ M 359.657

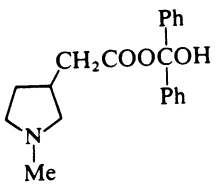
Anthelmintic. Cryst. (EtOH aq.). Mp 175-176°.

Ger. Pat., 2 815 621, (*1978*); *CA*, **90**, 38919c (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3230.

Triclazate, INN **T-00447**

α-Hydroxy-α-phenylbenzeneacetic acid (1-methyl-3-pyrrolidinyl)methyl ester, 9CI. Diphenylhydroxyacetic acid (1-methyl-3-pyrrolidinyl)methyl ester. 1-Methyl-3-pyrrolidinylmethyl benzilate. Tricylatate

[7009-76-9]



$C_{20}H_{23}NO_3$ M 325.407

Anticholinergic agent. Cryst. (heptane). Mp 132-134°.

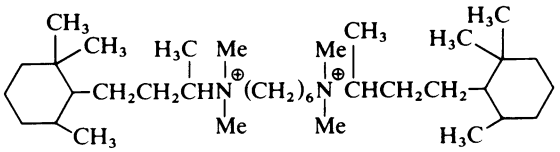
B,HCl: Cryst. (2-propanol). Mp 145-148°.

Doyle, F.P. *et al, J. Chem. Soc.*, 1958, 4458 (*synth, pharmacol*)
Wu, Y.-H. *et al, J. Org. Chem.*, 1961, **26**, 1524 (*synth*)

Triclobisonium(2+) **T-00448**

Hexamethylenebis[dimethyl[1-methyl-3-(2,2,6-trimethylcyclohexyl)propyl]]ammonium

[7187-64-6]



$C_{36}H_{74}N_2^{\oplus\oplus}$ M 534.994 (ion)

Topical antiinfective agent.

Dichloride: [79-90-3]. *Triclobisonium chloride, INN. Ro 5-081011. Triburon.*

$C_{36}H_{74}Cl_2N_2$ M 605.900

Cryst. Mp 243-253° dec.

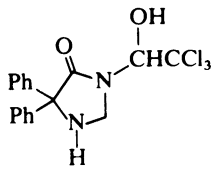
▷BQ8343000.

U.S.P., 3 064 052, (*1962*); *CA*, **58**, 8933f (*synth, pharmacol*)
Rudy, B.C. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 507 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2285.

Triclodazol, INN **T-00449**

5,5-Diphenyl-3-(2,2,2-trichloro-1-hydroxyethyl)-4-imidazolidinone, 9CI. Hypnofon

[56-28-0]



$C_{17}H_{15}Cl_3N_2O_2$ M 385.677

(±)-form

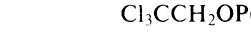
Tranquilliser. Yellowish-white powder. Mp 138° (148°).

Fr. Pat., M2619, (*1964*); *CA*, **62**, 566d (*synth*)
U.S.P., 3 140 290, (*1964*); *CA* (*synth, pharmacol*)
Cahen, R. *et al, Compt. Rend. Soc. Biol.*, 1965, **158**, 1252 (*pharmacol*)

Triclofos, BAN, INN **T-00450**

2,2,2-Trichloroethanol dihydrogen phosphate, 9CI, 8CI. Mono(2,2,2-trichloroethyl) phosphate

[306-52-5]



$C_2H_4Cl_3O_4P$ M 229.384

Sedative, hypnotic. Cryst. (C_6H_6). Mp 120-121°.

▷KM4400000.

Na salt: [7246-20-0]. *Triclofos sodium, USAN. Triclos. Tricloryl. Hipnogal. Sch 10159. Tricleryl. Tricloran.*

▷KM4500000.

Monoanilinium salt: Solid. Mp 116-118°.
Monocyclohexylammonium salt: Solid. Mp 139-140°.
Dichloride: [18868-46-7]. *2,2,2-Trichloroethyl phosphorodichloridate. 2,2,2-Trichloroethyl phosphoryl dichloride.*

$C_2H_2Cl_5O_2P$ M 266.275

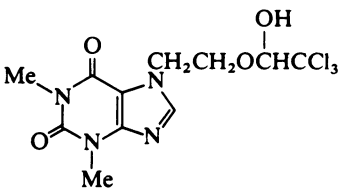
Precursor to reagents employed in nucleotide and phospholipid synth. Liq. Bp_{14} 116-118°.

Gerrard, W. *et al*, *J. Chem. Soc.*, 1954, 1148 (*dichloride*)
Hems, B.A. *et al*, *Br. Med. J.*, 1962, **1**, 1834 (*synth*)
Murakami, Y. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 1235 (*ir, props*)
Owen, G.R. *et al*, *Synthesis*, 1974, 704 (*synth, dichloride, ir*)
Gajda, T. *et al*, *Synthesis*, 1977, 623 (*synth*)
Lammers, J.G. *et al*, *Recl. Trav. Chim. Pays-Bas*, 1977, **96**, 216 (*use*)
Sellers, E.M. *et al*, *J. Clin. Pharmacol.*, 1978, **18**, 457 (*metab*)
Markowska, A. *et al*, *Bull. Acad. Pol. Sci., Ser. Sci. Chim.*, 1979, **27**, 115 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4074.

Triclofylline, INN **T-00451**

3,7-Dihydro-1,3-dimethyl-7-[2-(2,2,2-trichloro-1-hydroxyethoxy)ethyl]-1H-purine-2,6-dione, 9CI. 7-[2-(2,2,2-Trichloro-1-hydroxyethoxy)ethyl]theophylline, 8CI

[17243-70-8]

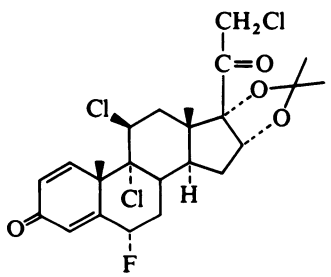


$C_{11}H_{13}Cl_3N_4O_4$ M 371.607
Antiasthmatic drug. Mp 152°.
Fr. Pat., M2060, (*1963*); *CA*, **60**, 4162d (*synth,pharmacol*)

Triclonide, USAN, INN **T-00452**

9,11,21-Trichloro-6-fluoro-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, 9CI. RS-4464

[26849-57-0]



$C_{24}H_{28}Cl_3FO_4$ M 505.840
Antiinflammatory drug.
Ger. Pat., 1 917 082, (*1969*); *CA*, **72**, 67206b (*synth, pharmacol*)

Tricosactide, INN **T-00453**

23-L-Tyrosinamide-α^{1-23}-corticotropin, 9CI

[20282-58-0]

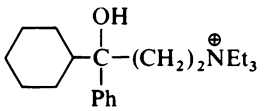
L-Ser-L-Tyr-L-Ser-L-Met-L-Glu-L-His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-L-Arg-L-Arg-L-Pro-L-Val-L-Lys-L-Val-L-Tyr-NH_2

$C_{131}H_{204}N_{40}O_{29}S$ M 2835.363
Corticotrophic analogue. $[\alpha]_D^{22}$ −73° (c, 1 in AcOH).
Acetate: [20166-32-9]. Synthetic ACTH preparation.
Geiger, R. *et al*, *Chem. Ber.*, 1964, **97**, 1207 (*synth*)
Fujino, M. *et al*, *Chem. Pharm. Bull.*, 1969, **17**, 2186 (*synth, uv*)
Tamm, J. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 27 (*pharmacol*)

Tridihexethyl(1+) **T-00454**

γ-Cyclohexyl-N,N,N-triethyl-γ-hydroxybenzenepropanaminium, 9CI. (3-Cyclohexyl-3-hydroxy-3-phenylpropyl)triethylammonium, 8CI

[60-49-1]



$C_{21}H_{36}NO^{\oplus}$ M 318.522 (ion)
(±)-*form*
Anticholinergic, spasmolytic agent.
Iodide: [125-99-5]. *Tridihexethyl iodide, INN. Claviton.*
$C_{21}H_{36}INO$ M 445.426
Sol. H_2O, EtOH, $CHCl_3$. Mp 179-184°.
▷BP5775000.
Chloride: [4310-35-4]. *Tridihexethyl chloride, BAN, USAN, JAN. Pathilon. Other synonyms.*
$C_{21}H_{36}ClNO$ M 353.975
Insol. Me_2CO, Et_2O, sol. $CHCl_3$, EtOH, H_2O. Mp 196-202°. Component of Milpath.
Harfenist, M. *et al*, *J. Am. Chem. Soc.*, 1956, **78**, 1060 (*synth*)
Carminati, C.M., *Arch. Intern. Pharmacodyn.*, 1965, **153**, 312 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6397.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 421.

Tridiurecaine **T-00455**

p-Carboxycarbanilic acid 4,4'-bis(2-diethylaminoethyl)-trimethylene ester. McN 100

[3565-92-2]

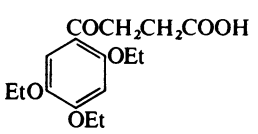


$C_{31}H_{44}N_4O_8$ M 600.711
Local anaesthetic. Antiarrhythmic agent. Cryst. (Et_2O/pet. ether). Mp 116-117°.
B,2HCl: Cryst. (EtOH/Me_2CO). Mp 170-171° dec.
Rau, G.C. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 421 (*pharmacol*)
Rabjohn, N. *et al*, *J. Am. Chem. Soc.*, 1952, **74**, 3215 (*synth*)
Arora, R.B. *et al*, *Indian J. Med. Res.*, 1956, **44**, 271 (*pharmacol*)

3-(2,4,5-Triethoxybenzoyl)propanoic acid **T-00456**

2,4,5-Triethoxy-γ-oxobenzenebutanoic acid, 9CI. Trepibutone, INN. Trepionate. Cholibil. Supacal. AA 149

[41826-92-0]



$C_{16}H_{22}O_6$ M 310.346
Choleretic agent; spasmolytic. Needles (EtOH). Mp 150-151°.
Ger. Pat., 2 244 324, (*1973*); *CA*, **79**, 18402y (*synth*)
Sawa, Y. *et al*, *CA*, 1978, **88**, 136250 (*synth*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13369.

Triethylenetetramine, 8CI T-00457

N,N′-*Bis*(*2-aminoethyl*)-*1,2-ethanediamine*, *9CI*. ***Trientine, BAN***. *Trien*

[112-24-3]

$H_2NCH_2CH_2NHCH_2CH_2NHCH_2CH_2NH_2$

$C_6H_{18}N_4$ M 146.235

Org. base with widespread uses, esp. manuf. of wet-strength resins and epoxy-resin curing agents. Complexing agent for metals. Used to treat Wilson's disease. Oil. d_{20} 0.975. Mp 12°. Bp 272°, Bp_{20} 157°. n_D^{20} 1.4961. Forms monohydrate, Fp 47°.

▷Irritant, causes burns. YE6650000.

B,2HCl: [38260-01-4]. *Trientine hydrochloride*, *USAN*. *Cuprid. MK 681*. Mp 115-118°.

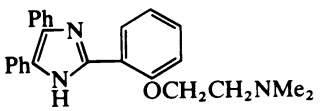
B,4HCl: [4961-40-4]. Needles (EtOH/HCl). Mp 266-270°.

Peacock, D.H., *J. Chem. Soc.*, 1936, 1518 (*synth*)
v. Alphen, J., *Recl. Trav. Chim. Pays-Bas*, 1936, **55**, 412 (*synth*)
Ger. Pat., 1 075 118, (*1960*); *CA*, **55**, 12302b (*purifn, props*)
Smith, G., *Experientia*, 1975, **31**, 84 (*pharmacol*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 1204.
Spitz, R.D., *Kirk-Othmer. Encycl. Chem. Technol. 3rd Ed.*, 1979, **7**, 580 (*rev*)
Haslam, R.H. *et al*, *Dev. Pharmacol. Ther.*, 1980, **1**, 318 (*pharmacol*)
Med. Lett., 1986, **28**, 67 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13377.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 518.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2640.

Trifenagrel, INN, USAN T-00458

2-[*2-*(*4,5-Diphenyl-1*H-*imidazol-2-yl*)*phenoxy*]-N,N-*dimethylethanamine*, *9CI*. *BW 325*U

[84203-09-8]



$C_{25}H_{25}N_3O$ M 383.492

Antithrombotic. Cryst. (MeOH). Mp 146.5-148.5°.

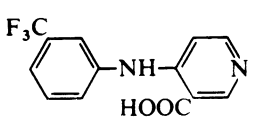
B,2HCl: [84203-16-7]. Mp 277-280°.

Eur. Pat., 58 890, (*1982*); *CA*, **98**, 53894 (*synth, props*)

Triflocin, USAN, INN, JAN, BAN T-00459

4-[[(*3-Trifluoromethyl*)*phenyl*]*amino*]-*3-pyridinecarboxylic acid*, *9CI*. 4-(α,α,α-*Trifluoro*-m-*toluidino*)-*nicotinic acid*, *8CI*. *CL 65562*. *JDL 38*

[13422-16-7]



$C_{13}H_9F_3N_2O_2$ M 282.222

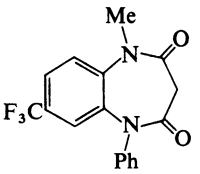
Diuretic, antiinflammatory drug. Mp 205-206°.

Evans, D. *et al*, *J. Med. Chem.*, 1967, **10**, 428 (*synth, pharmacol*)
Gussin, R.Z. *et al*, *J. Pharmacol. Exp. Ther.*, 1969, **167**, 194 (*pharmacol*)
Delarge, J. *et al*, *J. Pharm. Belg.*, 1973, **28**, 283 (*synth, pharmacol*)
Dideberg, O. *et al*, *Acta Crystallogr., Sect. B*, 1979, **35**, 1496 (*cryst struct*)

Triflubazam, USAN, INN T-00460

1-Methyl-5-phenyl-7-(*trifluoromethyl*)-*1*H-*1,5-benzodiazepine-2,4-*(*3*H,*5*H)-*dione*, *9CI*, *8CI*. *ORF 8063*. *We 352*

[22365-40-8]



$C_{17}H_{13}F_3N_2O_2$ M 334.297

Tranquilliser. Mp 204-206°.

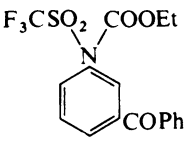
▷DE9610000.

Weber, K.H. *et al*, *Justus Liebigs Ann. Chem.*, 1972, **756**, 128 (*synth, pharmacol*)
Heilman, R.D. *et al*, *Curr. Ther. Res. Clin. Exp.*, 1974, **16**, 1022 (*pharmacol*)
Alton, K.B. *et al*, *Drug Metab. Dispos.*, 1975, **3**, 352 (*metab*)
Aversa, M.C. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 551 (*pmr*)
Aversa, M.C. *et al*, *J. Heterocycl. Chem.*, 1983, **20**, 1641 (*pmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7119.

Triflumidate, USAN, INN T-00461

Ethyl (*3-benzoylphenyl*)[(*trifluoromethyl*)*sulfonyl*]-*carbamate*, *9CI*. *Ethyl* m-*benzoyl*-N-[(*trifluoromethyl*)-*sulfonyl*]*carbanilate*, *8CI*. *BA 4223*. *MBR 4223*

[24243-89-8]



$C_{17}H_{14}F_3NO_5S$ M 401.357

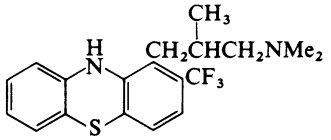
Antiinflammatory drug. Mp 131.5-132.5°.

Harrington, J.K. *et al*, *J. Med. Chem.*, 1970, **13**, 137 (*synth, pharmacol*)
Swingle, K.F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1971, **192**, 16 (*pharmacol*)

Trifluomeprazine, BAN, INN T-00462

N,N,β-*Trimethyl-2-*(*trifluoromethyl*)-*10*H-*phenothiazine-10-propanamine*, *9CI*. *10-*[*3-*(*Dimethylamino*)-*2-methylpropyl*]-*2-*(*trifluoromethyl*)*phenothiazine*, *8CI*

[2622-37-9]



$C_{19}H_{21}F_3N_2S$ M 366.444

Sedative, used as salts. $Bp_{0.7}$ 173-176°.

B,HCl: [3800-98-4]. Mp 167-168°.

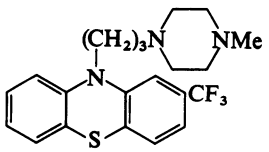
Maleate: [71609-19-3]. *Nortran. Nortan. SKF 5354-A. Triflutrimeprazine.* Sedative and hypnotic (vet. use). Insol. Et_2O, sol. EtOH, $CHCl_3$. Mp 178°.

Ger. Pat., 1 138 779, (*1962*); *CA*, **59**, 3934f (*synth*)
Flanagan, T.L. *et al*, *J. Pharm. Sci.*, 1962, **51**, 996.
Warren, R.J. *et al*, *J. Pharm. Sci.*, 1966, **55**, 144 (*nmr, uv, ir*)
Kelsey, R.C. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1968, **173**, 44 (*pharmacol*)
Baur, E.W., *J. Pharmacol. Exp. Ther.*, 1971, **177**, 219 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13378.

Trifluoperazine, BAN, INN **T-00463**

10-[3-(4-Methyl-1-piperazinyl)propyl]-2-(trifluoromethyl)-10H-phenothiazine, 9CI. Trifluoroperazine. Trifluperazine. Triphthazinum. Numerous other synonyms

[117-89-5]



$C_{21}H_{24}F_3N_3S$ M 407.496
Tranquilliser, antiemetic, neuroleptic agent. $Bp_{0.7}$ 202-210°.
▷SP1500000.

B,2HCl: [440-17-5]. *Trifluoperazine hydrochloride, USAN. Stelazine.* Cryst. (EtOH). Mp 242-243°.
▷SP1750000.

Craig, P.N. *et al*, *J. Org. Chem.*, 1957, **22**, 709 (*synth*)
Yale, H.L. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2039.
Feil, D. *et al*, *Nature (London)*, 1965, **207**, 285 (*cryst struct*)
Huang, H.L. *et al*, *J. Pharm. Sci.*, 1968, **57**, 1511 (*metab*)
West, N.R., *Arch. Int. Pharmacodyn. Ther.*, 1975, **215**, 318 (*pharmacol*)
Breyer, U. *et al*, *Drug Metab. Dispos.*, 1977, **5**, 97 (*metab*)
McDowell, J.J.H., *Acta Chem. Scand., Ser. B*, 1980, **36**, 2178 (*cryst struct*)
Post, A. *et al*, *Anal. Profiles Drug Subst.*, 1980, **9**, 543 (*rev, props, synth, pharmacol, metab*)
Shetty, H. *et al*, *Biomed. Mass Spectrom.*, 1983, **10**, 601 (*ms*)
Aravagiri, M. *et al*, *J. Pharm. Sci.*, 1985, **74**, 1196 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6126.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7120.

(2,2,2-Trifluoroethoxy)ethene, 9CI **T-00464**

2,2,2-Trifluoroethyl vinyl ether, 8CI. ***Fluroxene, USAN, INN.*** *Fluoromar. Fluoroxene*

[406-90-6]

$F_3CCH_2OCH{=}CH_2$

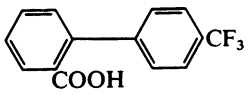
$C_4H_5F_3O$ M 126.078
Anaesthetic. Liq. d_4^{20} 1.14. Bp_{751} 42.5°. Potentially explosive.
▷KO4250000.

U.S.P., 2 830 007, (*1958*); *CA*, **52**, 14651b (*synth*)
Morris, L.E., *Handb. Exp. Pharmakol.*, 1972, **30**, 93 (*rev, pharmacol*)
Cascorbi, H.F., *Int. Anaesthesiol. Clin.*, 1974, **12**, 107; *CA*, **83**, 53013b (*rev, metab*)
Harrison, G.G. *et al*, *Anaesth. Analg.*, 1976, **55**, 529; *CA*, **86**, 116726a (*tox*)
Schaefer, T. *et al*, *Can. J. Chem.*, 1977, **55**, 2835 (*pmr, conformn*)
Merin, R.G. *et al*, *Recent Adv. Stud. Card. Struct. Metab.*, 1978, **11**, 473 (*metab*)
Adams, S.M. *et al*, *Mol. Pharmacol.*, 1981, **20**, 423 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3111.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2645.

4'-(Trifluoromethyl)[1,1'-biphenyl]-2-carboxylic acid, 9CI **T-00465**

4'-(Trifluoromethyl)-2-biphenylcarboxylic acid. ***Xenalipin, INN.*** *BW 207U*

[84392-17-6]



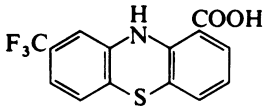
$C_{14}H_9F_3O_2$ M 266.219
Antilipidaemic, hypocholesterolaemic. Cryst. (Et_2O/pentane). Mp 167-169°.

U.S.P., 4 578 522, (*1986*); *CA*, **105**, 6311 (*synth, pharmacol*)
Lewis, M.C. *et al*, *Atherosclerosis (Shannon, Irel.)*, 1987, **64**, 27 (*pharmacol*)

8-(Trifluoromethyl)-10*H*-phenothiazine-1-carboxylic acid, 9CI, 8CI **T-00466**

Flutiazin, USAN, INN. *SKF 22908*

[7220-56-6]



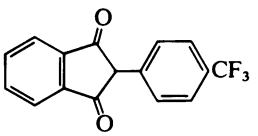
$C_{14}H_8F_3NO_2S$ M 311.278
Veterinary antiinflammatory agent. Mp 238-234°.

Birnie, J.H. *et al*, *Med. Pharmacol. Exp.*, 1967, **17**, 51 (*pharmacol*)
U.S.P., 3 471 482, (*1969*); *CA*, **72**, 21701f (*synth*)

2-[(4-Trifluoromethyl)phenyl]1,3-indanedione **T-00467**

2-[4-(Trifluoromethyl)phenyl]-1H-indene-1,3(2H)-dione, 9CI. 2-(α,α,α-Trifluoro-p-tolyl)-1,3-indandione, 8CI. ***Fluindarol, INN.*** *BS 7616D*

[6723-40-6]



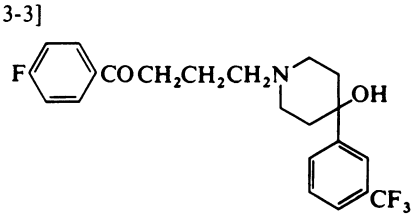
$C_{16}H_9F_3O_2$ M 290.241
Anticoagulant, rodenticide. Mp 177-184°.
▷NK6825000.

Netherlands Pat., 6 511 171, (*1966*); *CA*, **65**, 3814a (*synth*)
Van Eeken, C.J. *et al*, *Acta Pharmacol. Toxicol.*, 1970, **28**, 425 (*tox, pharmacol*)

Trifluperidol, BAN, USAN, INN **T-00468**

1-(4-Fluorophenyl)-4-[4-hydroxy-4-(3-trifluoromethyl)phenyl]-1-piperidinyl-1-butanone, 9CI. 4'-Fluoro-4-[4-hydroxy-4-(α,α,α-trifluoro-m-tolyl)-piperidino]butyrophenone, 8CI. Triperidol. Flumoperone. Psychoperidol. Other synonyms

[749-13-3]



$C_{22}H_{23}F_4NO_2$ M 409.423
Neuroleptic agent.
▷EU3500000.

B,HCl: [2062-77-3]. *Trifluperidol hydrochloride*, *JAN*. Cryst. (Me_2CO). Sol. H_2O. Mp 200.5-201.5°.

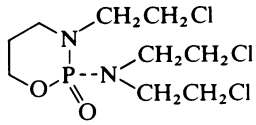
▷EU3550000.

B.P., 895 309, (*1962*); *CA*, **57**, 15081 (*synth*)
Janssen, P.A.J. *et al*, *Arzneim.-Forsch.*, 1970, **20**, 1701 (*metab*)
Li, J.P. *et al*, *J. Med. Chem.*, 1970, **13**, 1230 (*synth*)
Blessington, B., *Org. Mass Spectrom.*, 1971, **5**, 1113 (*ms*)
Givant, Y. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1973, **205**, 317 (*pharmacol*)
Nakao, M. *et al*, *CA*, 1975, **82**, 156086 (*synth, pmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6487.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7122.

Trifosfamide T-00469

N,N,*3-Tris(2-chloroethyl)tetrahydro-2*H*-1,3,2-oxazaphosphorin-2-amine 2-oxide. 2-Bis(2-chloroethyl)amino-3-chloroethyltetrahydro-2*H*-1,3,2-oxazaphosphorine 2-oxide.* **Trofosfamide, *INN***. *Ixoten. A 4828. NSC 109723*

[22089-22-1]



(*R*)-*form*

$C_9H_{18}Cl_3N_2O_2P$ M 323.586

Carcinostatic agent.

▷RP5880000.

(*R*)-*form* [72282-84-9]
Oil. $[\alpha]_D^{25}$ −28.6° (c, 2 in MeOH).

(*S*)-*form* [72282-85-0]
Oil. $[\alpha]_D^{25}$ +28.6° (MeOH).

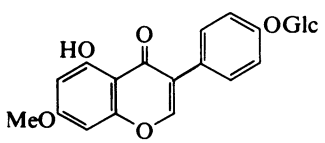
(±)-*form*
Cryst. (Et_2O). Mp 49-51°.

Potel, J. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1250 (*pharmacol*)
Schulten, H.-R. *et al*, *Biomed. Mass Spectrom.*, 1974, **1**, 223 (*ms*)
Brassfield, H.A. *et al*, *Cryst. Struct. Commun.*, 1976, **5**, 417 (*cryst struct*)
Perales, A. *et al*, *Acta Crystallogr., Sect. B*, 1977, **33**, 1939 (*cryst struct*)
Okruszek, A. *et al*, *Phosphorus Sulfur*, 1979, **7**, 235 (*synth, pmr, P nmr, complex*)
Pankiewicz, K. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 7712 (*resoln, ms, P nmr*)
Wroblewski, A.E. *et al*, *Inorg. Chem.*, 1980, **19**, 3713 (*resoln, cmr, P nmr*)
Smith, H.W. *et al*, *Acta Crystallogr., Sect. B*, 1981, **37**, 857 (*cryst struct*)
Buess, M.L. *et al*, *Org. Magn. Reson.*, 1984, **22**, 67 (*nqr*)

Trifoside T-00470

*3-[4-(β-D-Glucopyranosyloxy)phenyl]-5-hydroxy-7-methoxy-4*H*-1-benzopyran-4-one*, *9CI*. *4′-Glucosyloxy-5-hydroxy-7-methoxyisoflavone*, *8CI*. *Prunitrin. Prunetrin*

[154-36-9]



$C_{22}H_{22}O_{10}$ M 446.410

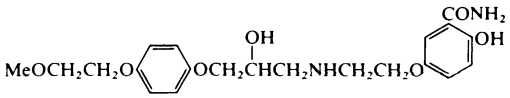
Occurs in *Trifolium pratense* and *Genista canualis*. Has antispasmodic, expectorant, hypolipidemic props. Cryst. (EtOH). Mp 208-209°.

Kattaev, N.Sh. *et al*, *Khim. Prir. Soedin.*, 1972, **6**, 806; *CA*, **78**, 94807d (*isol*)
Nakov, N. *et al*, *Pharmazie*, 1978, **33**, 463 (*isol*)
Kazakov, A.L., *Khim.-Pharm. Zh.*, 1979, **13**, 58; *CA*, **90**, 179910e (*use*)

Trigevolol, INN T-00471

2-Hydroxy-5-[2-[[2-hydroxy-3-[4-(2-methoxyethoxy)phenoxy]propyl]amino]ethoxy]benzamide, *9CI*. *1-[2-(3-Carbamoyl-4-hydroxyphenoxy)ethylamino]-3-[4-(2-methoxyethoxy)phenoxy]-2-propanol*

[76812-98-1]



$C_{21}H_{28}N_2O_7$ M 420.461

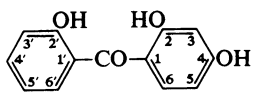
(±)-*form*
Antiarrhythmic, antihypertensive agent. Cryst. Mp 157-158°.

Fumarate: Cryst. (MeOH/Me_2CO). Mp 150-151°.

Eur. Pat., 15 505, (*1980*); *CA*, **94**, 121135x (*synth*)

2,2′,4-Trihydroxybenzophenone, 8CI T-00472

(*2,4-Dihydroxyphenyl*)(*2-hydroxyphenyl*)*methanone*, *9CI*



$C_{13}H_{10}O_4$ M 230.220

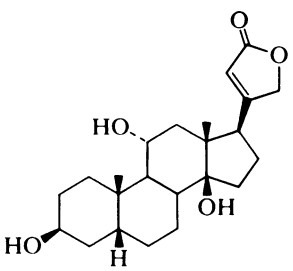
4-Me ether: [131-53-3]. **Dioxybenzone,** *USAN*, ***INN***. *Cyasorb. Spectra Sorb UV24.*
$C_{14}H_{12}O_4$ M 244.246
Ultraviolet sunscreen. Bp_1 170-175°.

▷DJ1049500.

2′-Me ether: 2,4-Dihydroxy-2′-methoxybenzophenone. Cryst. (EtOH). Mp 247-248°.

U.S.P., 2 853 521, (*1958*); *CA*, **53**, 5206c (*synth*)
Brown, A.R., *Chem. Prod. Chem. News*, 1960, **23**, 270 (*use*)
Merrill, J.R., *J. Phys. Chem.*, 1961, **65**, 2023 (*pmr*)
Usgaonkar, U.R. *et al*, *J. Indian Chem. Soc.*, 1963, **40**, 27 (*synth*)
Balaban, L., *Chem. Prum.*, 1965, **15**, 411 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9303.

3,11,14-Trihydroxy-20(22)-cardenolide T-00473



$C_{23}H_{34}O_5$ M 390.519

Cryst. (EtOH). Mp 270°. $[\alpha]_D$ +21.3° (EtOH).

(*3β,5β,11α,14β*)-*form* [76-28-8]
Sarmentogenin. *Syriogenin*
Constit. of seeds of *Strophanthus sarmentosus* and *Asclepias syriaca.*

▷FH5389000.

3,11-Di-Ac: Cryst. (Et_2O). Mp 120-160° dec. $[\alpha]_D$ +9° ($CHCl_3$).

3-O-β-D-Digitaloside: [547-07-9]. ***Sarnovide***.
$C_{30}H_{46}O_{10}$ M 566.687

Constit. of seeds of *S.* spp. Cryst. Mp 225°. $[\alpha]_D^{22}$ +6.9° (c, 1.9 in MeOH).

▷VQ5425000.

3-O-α-L-Rhamnopyranoside: [545-49-3]. ***Rhodexin A***.
$C_{29}H_{44}O_9$ M 536.661
Constit. of *Rhodea japonica*. Cardioactive agent. Cryst. + $2H_2O$. Mp 265° dec. $[\alpha]_D^{10}$ −20° ($CHCl_3$).

▷FH4774000.

3-Oleandroside: ***Divaricoside***.
$C_{30}H_{46}O_8$ M 534.689
Constit. of *S. divaricatus* and other *S.* spp. Cryst. Mp 220-223°. $[\alpha]_D^{17}$ −46° (c, 0.9 in MeOH).

3-Sarmentoside: ***Sarmentocymarin***.
$C_{30}H_{46}O_9$ M 550.688
Constit. of *S.* seeds. Cryst. Mp 130°. $[\alpha]_D^{20}$ −12.5° ($CHCl_3$).

▷Toxic, LD_{50} 0.202 mg/Kg (cat)

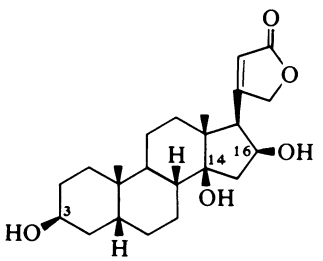
(3β,5β,11β,14β)-form [465-12-3]
Episarmentogenin
Mp 252-258°. $[\alpha]_D^{25}$ +29.2° (c, 1.072 in MeOH).

▷KC0970000.

(3β,5α,11α,14β)-form [27656-46-8]
Alliotoxigenin
Aglycone from seeds of *Cheiranthus alioni*. Mp 295-301°. $[\alpha]_D^{22}$ +25.8° (Py).

Katz, A., *Helv. Chim. Acta*, 1948, **31**, 993 (*isol, Sarmentocymarin*)
Reichsten, T. *et al*, *Helv. Chim. Acta*, 1950, **33**, 465, 522, 1006, 1551, 2153; 1951, **34**, 413.
Reber, F. *et al*, *Helv. Chim. Acta*, 1951, **34**, 1477 (*isol*)
Schindler, O. *et al*, *Helv. Chim. Acta*, 1954, **37**, 667 (*Divaricoside*)
Schindler, O., *Helv. Chim. Acta*, 1955, **38**, 538.
Makarevich, I.F., *Khim. Prir. Soedin.*, 1969, **5**, 189; *CA*, **72**, 59014x (*Alliotoxigenin*)
Kuchukhidze, D.K. *et al*, *CA*, 1972, **76**, 124137p (*struct*)
Kopp, B. *et al*, *Phytochemistry*, 1977, **16**, 687 (*biosynth*)

3,14,16-Trihydroxy-20(22)-cardenolide T-00474



$C_{23}H_{34}O_5$ M 390.519

(3β,5β,14β,16β)-form [545-26-6]
Gitoxigenin. *Bigitaligenin. 16β-Hydroxydigitoxin*
Cryst. (MeOH). Mp 220-225°. $[\alpha]_D^{18}$ +32.6° (c, 0.641 in MeOH).

▷FH5391000.

3-Ac: [1059-21-8]. *Digicorigenin.*
$C_{25}H_{36}O_6$ M 432.556
Cryst. (Me_2CO/Et_2O). Mp 236-238°. $[\alpha]_D$ +365° (c, 2.08 in $CHCl_3$).

▷FH5399200.

16-Ac: [465-15-6]. ***Oleandrigenin***.
$C_{25}H_{36}O_6$ M 432.556
Constit. of toad venom. Cryst. (Me_2CO/Et_2O). Mp 225-228°. $[\alpha]_D^{16}$ −9.5° (MeOH).

▷FH5400000.

16-Ac, 3-O-(2,6-dideoxy-3-O-methyl-L-arabino-hexopyranoside): [465-16-7]. ***Oleandrin***. *Folinerin.*
$C_{32}H_{48}O_9$ M 576.726
Constit. of *Nerium oleander*. Cryst. (EtOH). Mp 250° dec. $[\alpha]_D^{18}$ −52.1°.

▷FH4585000.

16-Ac, 3-O-diglucoside: ***Rhodexin D***.
$C_{37}H_{56}O_{16}$ M 756.840
Constit. of *Rhodea japonica*. Cryst. (EtOH/EtOAc). Mp 181-184°. $[\alpha]_D$ −42.4°.

3-O-(β-Cellobiosido-β-D-digitaloside): ***Gitostin***.
$C_{42}H_{66}O_{19}$ M 874.972
Constit. of *Digitalis purpurea*. Cryst. (EtOH aq./Et_2O). Mp 252-254°. $[\alpha]_D^{21}$ −3.4° (c, 2.14 in MeOH).

3-O-(6-Deoxy-3-O-methyl-D-galactopyranoside): [595-21-1]. ***Strospeside***.
$C_{30}H_{46}O_9$ M 550.688
Constit. of *D. purpurea*. Cryst. Mp 243-246°.

▷FH4901000.

3-O-2,6-Dideoxy-β-D-ribo-hexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribo-hexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-ribo-hexopyranoside: [4562-36-1]. ***Gitoxin***. *Anhydrogitalin. Bigitalin. Gitoxoside.*
$C_{41}H_{64}O_{14}$ M 780.948
Constit. of *D.* spp. Cryst. Mp 266-269°, 285°. $[\alpha]_D^{24}$ +5° (c, 1 in Py), $[\alpha]_D$ +22° ($CHCl_3$).

▷LZ0525000.

3-O-(Di-O-formyl-2,6-dideoxy-β-D-ribo-hexopyranosyl(1→4)-3-O-formyl-2,6-dideoxy-β-D-ribo-hexopyranosyl(1→4)-3-O-acetyl-2,6-dideoxy-β-D-ribo-hexopyranoside, O^{16}-formyl: [7685-23-6]. *Gitoxin 3',3'',3''',4''',16-pentaformate, 8Cl. Pentaformylgitoxin.* ***Gitoformate, INN***. *Dynocard. Formiloxin. AC 2770.*
$C_{46}H_{64}O_{19}$ M 921.000
Cardiotonic agent.

3-O-(Di-O-acetyl-2,6-dideoxy-β-D-ribo-hexopyranosyl(1→4)-3-O-acetyl-2,6-dideoxy-β-D-ribo-hexopyranosyl(1→4)-3-O-acetyl-2,6-dideoxy-β-D-ribo-hexopyranolide, O^{16}-Ac: [7242-04-8]. *Pentaacetylgitoxin.* ***Pengitoxin, INN***. *Acegit. Carnacid-Cor. Cordoval. Pentagit.*
$C_{51}H_{74}O_{19}$ M 991.134
Cardiotonic agent. Rhomboids. Mp 151-155°. $[\alpha]_D^{20}$ +14.0° (c, 1.6 in Py).

▷LZ1225000.

3-O-D-Digitoxoside: [545-27-7]. ***Gitoroside***.
$C_{29}H_{44}O_9$ M 536.661
Constit. of *Isoplexis isabelliana* and *D. purpurea*. Cryst. (EtOAc). Mp 213-216°. $[\alpha]_D^{26}$ +24.9° (c, 0.5 in EtOH).

16-O-Formyl: [514-21-6]. ***Gitaloxigenin***.
$C_{24}H_{34}O_6$ M 418.529
Cryst. (Me_2CO/pet. ether). Mp 215-217°.

▷FH5423000.

3-O-(β-Gentiobiosido-β-D-digitaloside): ***Neogitostin***.
$C_{42}H_{66}O_{19}$ M 874.972
Constit. of *D. purpurea*.

3-O-(β-Gentiobiosido-β-D-digitaloside), nona-Ac:
Cryst. (Me_2CO/Et_2O). Mp 197-199°. $[\alpha]_D^{21}$ −32.5° (c, 1.58 in $CHCl_3$).

3-O-Glucorhamnoside: [50906-57-5]. ***Rhodexin C***.
$C_{35}H_{54}O_{14}$ M 698.803
Constit. of *R. japonica*. Cryst. Mp 75° dec. $[\alpha]_D^{18}$ −17.7° (EtOH).

16-(3-Methylbutanoyl): [14259-53-1]. ***Adigenin***.
$C_{28}H_{42}O_6$ M 474.636
Aglycone from adigoside. Amorph. $[\alpha]_D^{24}$ −7.5° (c, 1.14 in MeOH).

16-(3-Methylbutanoyl), 3-O-D-diginoside: ***Adigoside***.
$C_{35}H_{54}O_9$ M 618.806

Constit. of *N. oleander*. Cryst. (Me_2CO/Et_2O). Mp 141-145° and 158° (double Mp). $[\alpha]_D^{25}$ −20.8° (c, 1 in MeOH).

3-O-Rhamnoside: [50906-58-6]. ***Rhodexin* B**.
$C_{29}H_{44}O_9$ M 536.661
Constit. of *R. japonica*. Cryst. Mp 262° dec. $[\alpha]_D^{25}$ −39.5°.

3-[6-Deoxy-4-O-β-D-glucopyranosyl-3-O-methyl-β-D-galactopyranoside], 16-formyl: [6022-99-7]. ***Glucoverodoxin***.
$C_{37}H_{56}O_{15}$ M 740.840
Constit. of *D. purpurea*. Cryst. Mp 179-183°. $[\alpha]_D^{20}$ −1° (Py).

3-L-Cymaroside, 16-Ac: [31087-94-2]. ***Beauwalloside***.
$C_{30}H_{46}O_8$ M 534.689
Constit. of *Beaumontia grandiflora*. Cryst. Mp 223-226°. $[\alpha]_D$ −80.7° ($CHCl_3$).

▷FH4587000.

3-(6-Deoxy-4-O-β-D-glucopyranosyl-3-O-methyl-β-D-galactopyranoside): [752-61-4]. ***Digitalin***.
$C_{36}H_{56}O_{14}$ M 712.830
Constit. of *D. purpurea*. Cryst. Mp 243.3-244.0° dec. $[\alpha]_D^{20}$ −1.1° (c, 0.9 in MeOH).

▷IH2030000.

3-Sarmentoside, 16-Ac: ***Cryptograndoside* A**.
$C_{32}H_{48}O_9$ M 576.726
Constit. of *Cryptostegia grandiflora*. Cryst. (Me_2CO aq.). Mp 122-124°. $[\alpha]_D^{17.5}$ −32.9° (c, 1 in MeOH).

3-(β-D-Glucosylsarmentoside), 16-Ac: ***Cryptograndoside* B**.
$C_{38}H_{58}O_{14}$ M 738.868
Constit. of *C. grandiflora*. Amorph. $[\alpha]_D^{17}$ −34° (c, 1 in MeOH).

*3-O-2,6-Dideoxy-β-D-*ribo*-hexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-*ribo*-hexopyranosyl-(1→4)-O-2,6-dideoxy-β-D-*ribo*-hexopyranoside, 16-formyl:* [3261-53-8]. ***Gitaloxin***. *16-O-Formylgitoxin.*
$C_{44}H_{64}O_{15}$ M 832.981
Isol. from *D. purpurea*. Cardiac poison. Cryst. (Me_2CO/pet. ether). Mp 250-253°. $[\alpha]_D^{20}$ −7° (Py).

▷Highly toxic. LZ1130000.

3-O-Digilanobioside: ***Gitorin***.
$C_{29}H_{44}O_{10}$ M 552.661
Constit. of *D.* spp. Cryst. (Me_2CO/MeOH). Mp 208-214°. $[\alpha]_D^{20}$ +7° (c, 1.307 in MeOH).

▷Toxic, LD_{50} 0.44 mg/Kg (cat)

16-Ac, 3-O-L-Acofrioside: ***Acoschimperoside* P**.
$C_{32}H_{48}O_{10}$ M 592.725
From *Acokanthera schimperi*. Cryst. Mp 275-279°. $[\alpha]_D$ −35.6° (MeOH).

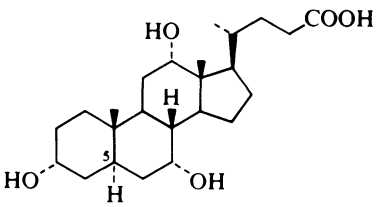
16-Ac, 3-O-6-Deoxy-3-O-methyl-α-L-altropyranoside: ***Vallarosolanoside***.
$C_{32}H_{48}O_{10}$ M 592.725
Isol. from seeds of *Vallaris solanacea*. Granules (Me_2CO/Et_2O). Mp 230-236°. $[\alpha]_D^{24}$ −51.8° (c, 0.99 in MeOH).

16-Ac, 3-O-(O-Acetyl-6-deoxy-3-O-methyl-α-L-mamopyranoside): ***Monoacetylacoschimperoside* P**.
$C_{34}H_{50}O_{11}$ M 634.762
Isol. from seeds of *V. solanacea*. Mp 239-241°. $[\alpha]_D^{23}$ −26.7° (c, 1.16 in MeOH). Locatien of Ac group in sugar ring not certain.

16-Ac, 3-O-[β-D-Glucopyranosyl(1→4)-2,3-di-O-methyl-β-SMCND-glucopyranoside]: ***16-O-Acetylglucogitrodimethoside***.
$C_{39}H_{60}O_{16}$ M 784.893
Isol. from fruit rind of *Streblus asper*. Amorph. $[\alpha]_D^{23}$ −19.4° (c, 0.67 in MeOH).

Aelic, A. *et al*, *Helv. Chim. Acta*, 1950, **33**, 1013 (*Cyptograndosides*)
Hunger, A. *et al*, *Helv. Chim. Acta*, 1950, **33**, 76 (*isol, Gitoxigenin*)
Rittel, W. *et al*, *Helv. Chim. Acta*, 1952, **35**, 434 (*Digitalin*)
Okono, A. *et al*, *Chem. Pharm. Bull.*, 1958, **6**, 178 (*Neogitostin, Gitostin*)
Sasakaw, Y. *et al*, *Chem. Pharm. Bull.*, 1959, **7**, 265 (*Gitorin*)
Thudium, F. *et al*, *Helv. Chim. Acta*, 1959, **42**, 2 (*acoschimperoside P*)
Krasso, A.F. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1691 (*Beauwalloside*)
Manzetti, A.R. *et al*, *Helv. Chim. Acta*, 1964, **47**, 2303, 2320 (*16-O-Acetylglucogitodimethoside*)
Kaufmann, H. *et al*, *Helv. Chim. Acta*, 1965, **48**, 65, 83 (*Vallarosolanoside*)
Henderson, F.G. *et al*, *J. Med. Chem.*, 1965, **8**, 577 (*Gitoformate*)
Hoffmann, S. *et al*, *Helv. Chim. Acta*, 1966, **49**, 1855 (*Adrigenin, Adigoside*)
Kaiser, F. *et al*, *Chem. Ber.*, 1966, **89**, 1353 (*Gitaloxigenin*)
Freitag, H. *et al*, *Helv. Chim. Acta*, 1967, **50**, 1336 (*Gitoroside*)
Calandi, V. *et al*, *Pharmazie*, 1968, **23**, 343 (*Glucoverodoxin*)
Voigtlaender, H.W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1968, **301**, 208 (*pmr*)
Wickramasinghe, J.A.F. *et al*, *Biochemistry*, 1968, **7**, 3248 (*biosynth, Gitoxigenin*)
Faruya, T. *et al*, *Chem. Pharm. Bull.*, 1970, **18**, 1080 (*biosynth, Gitoxin*)
Hoeringer, N. *et al*, *Helv. Chim. Acta*, 1970, **53**, 1503 (*oleandrigenin*)
Mitsukashi, H. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 282 (*Rhodexin*)
Krasso, A.F. *et al*, *Helv. Chim. Acta*, 1972, **55**, 1352 (*struct, Gitoxigenin*)
Omura, S. *et al*, *Tetrahedron*, 1975, 2939 (*cmr, Oleandrin*)
Megges, R. *et al*, *Pharmazie*, 1977, **32**, 665 (*rev, Pengitoxin*)
Dodion, L., *Drugs Exp. Clin. Res.*, 1980, **6**, 189 (*rev, Gitoformate*)
Haustein, K.O. *et al*, *Eur. J. Clin. Pharmacol.*, 1983, **25**, 369 (*Pengitoxin*)
Alken, R.G. *et al*, *Therapiewoche*, 1984, **34**, 2855 (*rev, Pengitoxin*)
Go, K. *et al*, *Acta Crystallogr., Sect. C*, 1984, **40**, 1866 (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5817, 5818.

3,7,12-Trihydroxy-24-cholanoic acid T-00475



$C_{24}H_{40}O_5$ M 408.577

(3α,5α,7α,12α)-form [2464-18-8]
Allocholic acid
Isol. from many animal sources. Bile acid in penguin and sturgeon. Cryst. (Me_2CO aq.). Mp 250-251°. $[\alpha]_D^{25}$ +27.8° (c, 0.75 in MeOH).
Me ester:
$C_{25}H_{42}O_5$ M 422.604
Cryst. (Me_2CO/hexane). Mp 225-226°. $[\alpha]_D^{25}$ +26.7° (c, 0.84 in MeOH).

(3α,5β,7α,12α)-form [81-25-4]
Cholic acid. *Cholalic acid. Cholagit. Colalin. Hypocholate. NSC 6135*
Isol. from bile and animal excretions. Widespread bile acid found in many spp. Choleretic, laxative and antihypertensive agent. Cryst. + 1 H_2O (H_2O or Et_2O aq.). Cryst. + 1EtOH (EtOH). Mp 197° (anhyd.). $[\alpha]_D^{20}$ +37° (EtOH).
▷FZ9350000.

Me ester: Exists in two cryst. forms (EtOH). Mp 155°, Mp 162°. $[\alpha]_D^{20}$ +30.09° ($CHCl_3$), $[\alpha]_D^{20}$ +25°.
3,7-Di-Ac: Mp 261-262°. $[\alpha]_D^{17}$ +49.8° (EtOH).
7,12-Di-Ac: Mp 204-205°. $[\alpha]_D^{28}$ +71° (MeOH).
3,7,12-Tri-Ac, Me ester: Mp 89-91°. $[\alpha]_D^{27}$ +77° (MeOH).

(3α,5β,7α,12β)-form [71883-64-2]
Cryst. (EtOH). Mp 200-201.5°. $[\alpha]_D$ +30.5° (EtOH).

(3α,5β,7β,12α)-form [28050-56-8]
Cryst. (EtOAc/hexane). Mp 127-129°.

(3α,5β,7β,12β)-form [81938-67-2]
Cryst. (EtOH aq.). Mp 191.5-193.0°.

(3β,5β,7α,12α)-form [3338-16-7]
Cryst. (EtOH). Mp 196.5-197.0°.

(3β,5β,7α,12β)-form [71883-66-4]
Cryst. (EtOH). Mp 225-226°. $[\alpha]_D$ +23.4° (EtOH).

(3β,5β,7β,12α)-form [10322-18-6]
Cryst. (EtOAc). Mp 164.5-165.5°.

(3β,5β,7β,12β)-form [81873-90-7]
Cryst. (EtOAc/MeOH). Mp 164.5-167.0°.

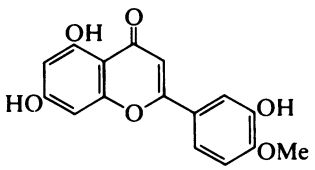
(3α,5α,7β,12β)-form
Cryst. (MeOH). Mp 256-257°. $[\alpha]_D$ +50° (EtOH).

Cortese, F., *J. Am. Chem. Soc.*, 1937, **59**, 2532 (*synth*)
Ziegler, P., *Can. J. Chem.*, 1956, **34**, 1528 (*synth*)
Anderson, I.G. *et al*, *Biochem. J.*, 1957, **67**, 323; 1962, **85**, 236 (*isol, struct*)
Eneroch, P. *et al*, *J. Lipid Res.*, 1966, **7**, 524 (*ms*)
Mitra, M.N. *et al*, *J. Org. Chem.*, 1968, **33**, 175 (*synth*)
Leibfritz, D. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 4996 (*cmr*)
Percy-Robb, I.W. *et al*, *Scot. Med. J.*, 1973, **18**, 166 (*biosynth, rev*)
Chang, F.C., *J. Org. Chem.*, 1979, **44**, 4567 (*synth*)
Iida, T. *et al*, *J. Org. Chem.*, 1982, **47**, 2972 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 788.

3',5,7-Trihydroxy-4'-methoxyflavone T-00476

Diosmetin

[520-34-3]

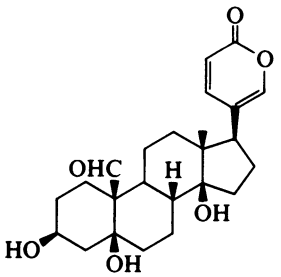


$C_{16}H_{12}O_6$ M 300.267
Isol. from aerial parts of *Valeriana* spp., leaves of *Digitalis* spp. and peel of *Citrus limon*. Pale-yellow cryst. (EtOH). Mp 258-259° (250-253°).

7-Rutinoside: [520-27-4]. ***Diosmin, INN***. *7-[[6-O-(6-Deoxy-α-L-mannopyranosyl)-β-D-glucopyranosyl]-oxy]-5-hydroxy-2-[3-hydroxy-4-methoxyphenyl)-4H-1-benzopyran-4-one, 9CI. Barosmin. Daflon. Ven-Detrex. Other synonyms.*
$C_{28}H_{32}O_{15}$ M 608.552
Isol. from *Zanthoxylum avicennae* and *Diosma crenulata*. Bioflavonoid used medicinally. Antihaemorrhagic, venotonic. Fine needles + $1H_2O$ (Py aq.). Mp 280° dec. (*in vacuo*).

Narasimhachari, N., *et al*, *Proc. Indian Acad. Sci.*, 1950, **32A**, 17 (*synth*)
Pankajamani, K.S. *et al*, *J. Indian Chem. Soc.*, 1954, **31**, 565 (*synth*)
Arthur, H.R. *et al*, *J. Chem. Soc.*, 1956, 632 (*Diosmin*)
Horowitz, R.M. *et al*, *J. Org. Chem.*, 1956, **21**, 1184 (*isol*)
Booth, A.N. *et al*, *J. Biol. Chem.*, 1958, **230**, 661 (*metab*)
Brieskorn, C.H. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1971, **304**, 557 (*isol*)
Wagner, H. *et al*, *Tetrahedron Lett.*, 1976, 1799 (*cmr*)
Oustrin, J. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1688 (*pharmacol*)
Le Quesne, P.W. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1978, 1572 (*isol, uv, pmr*)
Itokawa, H. *et al*, *Chem. Lett.*, 1982, **1**, 49 (*ms*)
Voigtländer, H.W. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1983, **316**, 219 (*synth*)
Voirin, B., *Phytochemistry*, 1983, **22**, 2107 (*uv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12667.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7661.

3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide T-00477



$C_{24}H_{32}O_6$ M 416.513

(3β,5β,14β)-form [465-90-7]
Hellebrigenin. *Bufotalidin*
Aglycone from Hellebrin. Cryst. Mp 150-153° and Mp 250-253° (dimorph.). $[\alpha]_D^{17}$ +17.8° (c, 0.8 in Me_2CO).
▷EI3175800.

3-Ac: [4064-09-9].
$C_{26}H_{34}O_7$ M 458.550
Isol. from *Bersama abyssinica*. Tumour inhibitor. Cryst. (MeOH). Mp 242°. $[\alpha]_D^{15}$ +33.7° (c, 0.7 in $CHCl_3$).

3,5-Di-Ac:
$C_{28}H_{36}O_8$ M 500.588
Isol. from *B. abyssinica*. Tumour inhibitor. Cryst. (MeOH). Mp 217-219°. $[\alpha]_D^{28}$ −23° (c, 0.5 in $CHCl_3$).

3-O-β-D-Glucosyl-α-L-rhamnoside: [13289-18-4]. ***Hellebrin***. *Corelborin. Helborsid.*
$C_{36}H_{52}O_{15}$ M 724.798
Constit. of *Helleborus niger* and other *H.* spp. Cardiotonic. Cryst. (MeOH). Mp 283-284°. $[\alpha]_D^{20}$ −23.4° (50% MeOH).
▷EI2958000.

3-O-(3-Methyl-2-butenoyl): [67696-82-6]. ***Acrihellin, INN***. *D 12316.*
$C_{29}H_{38}O_7$ M 498.615
Semisynthetic inotropic agent. Cardiotonic. Mp 218-219°.

3-O-β-D-Glucosyl:
$C_{30}H_{42}O_{11}$ M 578.655
Constit. of *Urginea depressa*. Cryst. (MeOH). Mp 240-244°, Mp 260-263°. $[\alpha]_D^{25}$ +0.05° (c, 1.1 in MeOH).

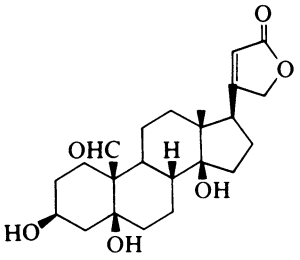
19-Alcohol, 3-O-β-glucosyl:
$C_{30}H_{44}O_{11}$ M 580.671
From *U. depressa*. Cryst. (MeOH). Mp 215-218°. $[\alpha]_D$ −20.0° (c, 0.778 in MeOH).

3-Suberoyl-L-arginine ester:
$C_{38}H_{56}N_4O_{10}$ M 728.881
Bufotoxin from *Bufo viridis*. Mp 195-197°. $[\alpha]_D^{12}$ −20.0° (c, 0.13 in MeOH).

Schmutz, J., *Helv. Chim. Acta*, 1949, **32**, 1442 (*struct*)
Rees, R. *et al*, *Helv. Chim. Acta*, 1959, **42**, 1052 (*isol*)

Gsell, L. *et al*, *Helv. Chim. Acta*, 1969, **52**, 551 (*pmr*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3894 (*isol*)
Achenbach, C. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 1215, 1425 (*Acrihellin*)
Stroman, F. *et al*, *Arzneim.-Forsch.*, 1984, 34, 769 (*Acrihellin*)
Shimada, K. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 3454 (*isol, deriv*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18718.

3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide T-00478



$C_{23}H_{32}O_6$ M 404.502

(3β,5β,14β)-form [66-28-4]
Strophanthidin. Corchorin
Constit. of *Strophanthus kombé*. Cryst. + $2H_2O$ (H_2O). Mp 169-170° (anhyd. 235°). $[\alpha]_D^{25}$ +43.1° (MeOH).
▷FH5425000.

3-O-Digilanidobioside: [7082-34-0]. ***Erysimoside***.
$C_{35}H_{52}O_{14}$ M 696.787
Cardiac glycoside present in *Erysimum* spp. and *S. kombé*. Cryst. (EtOH aq.). Mp 169-173°. $[\alpha]_D^{24}$ +22° (MeOH).
▷KF1360000.

3-Digilanidobioside, 19-alcohol: [11006-14-7]. *Erysimosol*.
$C_{35}H_{54}O_{14}$ M 698.803
Cardiac glycoside from the seeds of *S. kombé*. Amorph. Mp 146-149°. $[\alpha]_D$ +30.4° ($CHCl_3$).
▷KF1380000.

3-O-Digilanidobioside, 19-alcohol, hexa-Ac: Cryst. (Py/Et_2O/cyclohexane). Mp 146-149°. $[\alpha]_D^{20}$ +30.4° (MeOH).

3-O-Digitoxoside: [630-64-8]. *Erysimine*. ***Helveticoside***. *Alleoside. Erysimotoxin.*
$C_{29}H_{42}O_9$ M 534.645
Constit. of *E.* and *Cheiranthus* spp. Cardiac glycoside. Cryst. + $2H_2O$ (EtOH aq.). Mp 168-172° dec. $[\alpha]_D^{20}$ +43.5° (EtOH).
▷MH7440000.

3-(6-Deoxy-4-O-β-D-glucopyranosyl-β-D-gulopyranoside): [7044-33-9]. ***Cheirotoxin***.
$C_{35}H_{52}O_{15}$ M 712.787
Constit. of *C. cheiri, C. allioni* and *E. cuspidatum*. Cryst. Mp 198-201°. $[\alpha]_D^{12}$ −17.2° (MeOH).
▷FL8500000.

3-(D-Boivinoside): [508-76-9]. ***Corchoroside A***.
$C_{29}H_{42}O_9$ M 534.645
Constit. of *Corchorus capsularis* and *C. olitorius*. Cardiotonic. Cryst. + $2H_2O$ (EtOH). Mp 188-190° (anhyd.). $[\alpha]_D^{20}$ +19° (MeOH).
▷FH4970000.

3-Strophanthobioside: ***Glucocymarol***. Constit. of *S. kombé*. Amorph.

3-Strophanthobioside, tetra-Ac:
$C_{31}H_{40}O_{10}$ M 572.651
Cryst. (EtOH). Mp 202-208°.

3-(α-L-Mannopyranoside): 6'-Hydroxyconvallatoxin.
$C_{29}H_{42}O_{11}$ M 566.644
Constit. of *Convallaria* spp. Extremely potent cardenolide. Cryst. Mp 265-269°. $[\alpha]_D^{29}$ +6.28° (c, 0.49 in 95% EtOH).

3-(L-Rhamnoside): [508-75-8]. ***Convallotoxin***. *Convallaton. Convallopan. Convalpur. Convapur. Corglykon. Korglykon.*
$C_{29}H_{42}O_{10}$ M 550.645
Constit. of *C. majalis*. Highly active cardiotonic agent. Cryst. (MeOH/EtOH). Mp 247° (235-242°). $[\alpha]_D^{22}$ −1.7° (c, 0.65 in MeOH), $[\alpha]_D$ 0° ($CHCl_3$).
▷Extremely toxic, LD_{50} 0.079 mg/kg (cat). GL4025000.

3-(L-Rhamnoside), 19-dihydro: [3253-62-1]. ***Convallatoxol***. *Perconval.*
$C_{29}H_{44}O_{10}$ M 552.661
From *C. majalis*. Cardiotonic. Thin prisms (MeOH/Me_2CO/Et_2O). Mp 171-173°. $[\alpha]_D^{18}$ −10.4° (MeOH).
▷FH4900000.

3-(β-2-Eryscenobioside): Eryscenoside.
$C_{35}H_{52}O_{15}$ M 712.787
Constit. of *E. canescens*. Cryst. (2-propanol/Et_2O). Mp 138-142° and 162-170°. $[\alpha]_D^{25}$ +20.9° (c, 1 in MeOH).

3-Cymaroside: [508-77-0]. *Cymarin. Cimarin.*
$C_{30}H_{44}O_9$ M 548.672
Constit. of *Apocymum, Adonis* and *S.* spp. Cryst. (MeOH). Mp 148°. $[\alpha]_D^{22}$ +39° (c, 1.7 in $CHCl_3$).
▷GZ5600000.

3-O-(β-D-Glucoside): [6014-43-3]. ***Glucostrophantidin***.
$C_{29}H_{42}O_{11}$ M 566.644
Cardiotonic. Mp 234-238° dec. $[\alpha]_D^{24}$ +20.6° (c, 1.058 in H_2O).

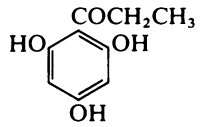
(3β,5β,14β,17α)-form [4331-85-5]
Allostrophanthidin. 17-Isostrophanthidin
Aglycone from *S. kombé*. Mp 251-253°. $[\alpha]_D^{26}$ +37° (EtOH).

Chen, K.K. *et al*, *J. Pharmacol. Exp. Ther.*, 1954, **111**, 365 (*pharmacol*)
Tschesche, R. *et al*, *Chem. Ber.*, 1954, **87**, 1108 (*Convallotoxol*)
Nagata, W. *et al*, *Helv. Chim. Acta*, 1957, **40**, 41 (*isol*)
Mauli, R. *et al*, *Helv. Chim. Acta*, 1957, **40**, 284 (*Glucostrophantidin*)
Kreis, M.K. *et al*, *Helv. Chim. Acta*, 1957, **40**, 588 (*isol, struct*)
Kaiser, F. *et al*, *Justus Liebigs Ann. Chem.*, 1961, **643**, 192 (*Glucocymarol, Erysimoside*)
Zorbach, N. *et al*, *Naturwissenchaften*, 1963, **50**, 93 (*6'-Hydroxyconvallatoxin*)
Bauer, S. *et al*, *Tetrahedron Lett.*, 1966, 1703 (*Eryscenoside*)
Wyss, E. *et al*, *Helv. Chim. Acta*, 1966, **43**, 664 (*Cymarin*)
Burkhardt, F. *et al*, *Helv. Chim. Acta*, 1967, **50**, 607.
Manzetti, A. *et al*, *Helv. Chim. Acta*, 1969, **52**, 482.
Umarova, R.U. *et al*, *Khim. Prir. Soedin.*, 1970, **6**, 140; *CA*, **73**, 88131j (*Corchoroside A*)
Gilardi, R.D. *et al*, *Acta Crystallogr., Sect. B*, 1973, **29**, 1842 (*cryst struct*)
Tori, K. *et al*, *Tetrahedron Lett.*, 1973, 1077 (*cmr*)
Kubelka, W. *et al*, *Phytochemistry*, 1974, **13**, 1805 (*Convallatoxin*)
Makarevich, I.F. *et al*, *Khim. Prir. Soedin.*, 1974, **10**, 607; *CA*, **82**, 121644q (*Cheirotoxin*)
Gonzalez, A.G. *et al*, *Ann. Quim.*, 1975, **71**, 97 (*Corchoroside A*)
Pal'yants, N.Sh. *et al*, *CA*, 1976, **85**, 143397a (*Convallatoxin*)

1-(2,4,6-Trihydroxyphenyl)-1-propanone, 9CI T-00479

*2′,4′,6′-Trihydroxypropiophenone. **Flopropione, INN**. Phloropropiophenone. Bilup. Compacsul. Cospanon. Ecapron. Pellegal. Argobyl. Floveton. Saritron. Spamorin. Labrodax. Tryalon. Mirulevatin. Padeskin. Profenon. Numerous proprietary names*

[2295-58-1]



$C_9H_{10}O_4$ M 182.176

Serotonin antagonist, spasmolytic agent. Needles + $1H_2O$ (H_2O). Sl. sol. H_2O. Mp 175-176°.

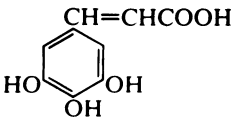
▷UH4429100.

Howells, H.P. *et al*, *J. Am. Chem. Soc.*, 1932, **54**, 2451 (*synth*)
Populaire, P. *et al*, *Therapie*, 1968, **23**, 91 (*metab*)
Inoue, S., *Jpn. J. Pharmacol.*, 1969, **19**, 224 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 1192 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5234.

3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid T-00480

3-(3,4,5-Trihydroxyphenyl)acrylic acid. 3,4,5-Trihydroxycinnamic acid

[6093-59-0]



$C_9H_8O_5$ M 196.159

Needles + $1H_2O$ (H_2O) becoming anhyd. at 120°. Mp 207-208° dec.

Et ester:
$C_{11}H_{12}O_5$ M 224.213
Mp 170°.

Tri-Ac:
$C_{15}H_{14}O_8$ M 322.271
Cryst. ($CHCl_3$/pet. ether). Mp 168°.

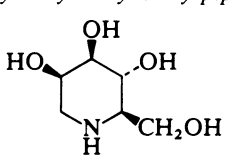
Tri-Me ether, amide: [5588-21-6]. *3-(3,4,5-Trimethoxyphenyl)-2-propenamide, 9CI*. ***Cintriamide, USAN***. *Cintramide, INN. CI 36746.*
$C_{12}H_{15}NO_4$ M 237.255
Isol. from *Alstonia lenormandii*. Tranquilliser. Mp 155-157°.

▷GD7435000.

Shinoda, J. *et al*, *J. Pharm. Soc. Jpn.*, 1931, **51**, 249; *CA*, **25**, 3979 (*synth*)
Freudenberg, K. *et al*, *Chem. Ber.*, 1952, **85**, 1181.
Moffett, R.B. *et al*, *J. Med. Chem.*, 1964, **7**, 319 (*deriv*)
Legseir, B. *et al*, *Phytochemistry*, 1986, **25**, 1735 (*isol*)

3,4,5-Trihydroxy-2-piperidinemethanol T-00481

3,4,5-Trihydroxy-2-hydroxymethylpiperidine



$C_6H_{13}NO_4$ M 163.173

(2R,3R,4R,5R)-form [84444-90-6]
1,5-Dideoxy-1,5-imino-D-mannitol, 9CI. ***Deoxymannojirimycin***
Alkaloid from the seeds of *Lonchocarpus sericeus* and *L. costaricensis* (Leguminosae). Mannosidase inhibitor. Cryst. ($MeOH/Et_2O$). Mp 185-187°. $[\alpha]_D^{20}$ −26.7° (c, 0.12 in MeOH).

(2R,3R,4R,5S)-form [19130-96-2]
1,5-Dideoxy-1,5-imino-D-glucitol, 9CI. ***Moranoline***. *Deoxynojirimycin. S-GI. Antibiotic S-GI*
Alkaloid from *Morus* spp. (Moraceae). Also prod. by various *Bacillus* spp. and *Streptomyces trehalosaticus*. Alkaloid from *Jacobinia suberecta*. α-Glucosidase inhibitor. Animal feedstuff additive. Cryst. (MeOH). Mp 206° (195-197°). $[\alpha]_D^{22}$ +44.7° (c, 1 in H_2O). pK_a 6.6.

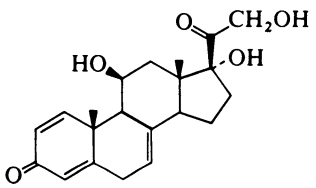
B,HCl: [73285-50-4]. Amorph. powder. Mp 196-198°. $[\alpha]_D^{22}$ +38° (c, 1 in H_2O).

N-*Me:* [69567-10-8]. *1,5-Dideoxy-1,5-(methylimino)-D-glucitol, 9CI*. **N-*Methyldeoxynojirimycin***.
$C_7H_{15}NO_4$ M 177.200
Isol. from an *S.* culture. Cryst. (EtOH). Mp 141-142°. $[\alpha]_D^{24}$ +15.5° (H_2O).

N-*Butyl:* **N-*Butyldeoxynojirimycin***. *Butyl-DNJ.*
$C_{10}H_{21}NO_4$ M 219.280
Currently undergoing clinical trials (1989); of potential use against HIV infections.

Yagi, M. *et al*, *CA*, 1977, **86**, 167851r (*isol*)
Fellows, L.E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1979, 977 (*isol, pmr, cmr, ms, cd, struct*)
Schmidt, D.D. *et al*, *Naturwissenschaften*, 1979, **66**, 584 (*isol*)
Murao, S. *et al*, *Agric. Biol. Chem.*, 1980, **44**, 219 (*isol*)
Legler, G. *et al*, *Carbohydr. Res.*, 1984, **128**, 61 (*synth*)
Fleet, G.W.J. *et al*, *Tetrahedron Lett.*, 1985, **26**, 1469 (*synth*)
Daigo, K. *et al*, *Chem. Pharm. Bull.*, 1986, **34**, 2243 (*isol*)
Bernotas, R.C. *et al*, *Tetrahedron Lett.*, 1984, **25**, 165.
Fleet, G.W.J. *et al*, *FEBS Lett.*, 1988, **237**, 128 (*synth, N-butyl*)
Karpas, A. *et al*, *Proc. Natl. Acad. Sci. USA*, 1988, **85**, 9229 (*pharmacol, N-butyl*)

11,17,21-Trihydroxy-1,4,7-pregnatriene-3,20-dione T-00482



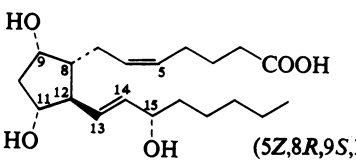
$C_{21}H_{26}O_5$ M 358.433

(11β,17α)-form [28421-52-5]
Δ⁷-Prednisolone
Steroid with antiinflammatory props. Cryst. (Me_2CO). Mp 275°. $[\alpha]_D^{20}$ ±0° (Py).

21-Ac:
$C_{23}H_{28}O_6$ M 400.471
Cryst. (Me_2CO/isopropyl ether). Mp 170-180° and 212-214° (double Mp).

Bucourt, R. *et al*, *Bull. Soc. Chim. Fr.*, 1970, 1891.

9,11,15-Trihydroxyprosta-5,13-dienoic acid, 9CI T-00483



(5Z,8R,9S,11R,12S,13E,15S)-form

$C_{20}H_{34}O_5$ M 354.486

(5Z,8R,9S,11R,12S,13E,15S)-form [551-11-1]
(9α,11α,15α)-(5Z,13E)-form. Prostaglandin $F_{2\alpha}$. *$PGF_{2\alpha}$.* ***Dinoprost,*** *BAN, INN, JAN. Other proprietary names*
Common naturally occurring prostaglandin. Abortifacient, oxytocic and smooth muscle stimulant. Oil or solid. Mp 25-35°. $[\alpha]_D^{25}$ +23.5° (c, 1 in THF).
▷UK8020000.
2-Amino-2-hydroxymethyl-1,3-propanediol salt (1:1): [38562-01-5]. *Dinoprost trometamol, BAN. Dinoprost tromethamine, USAN. Lutalyse. Prostin F2 Alpha.* Veterinary smooth muscle activator.
▷UK8025000.

(5Z,8RS,9SR,11RS,12SR,13E,15SR)-form
(±)-*$PGF_{2\alpha}$*
Oil which cryst. with difficulty from Et_2O. Mp 30-35°.

(5Z,8R,9R,11R,12S,13E,15S)-form [4510-16-1]
(9β,11α,15α)-(5Z,13E)-form. Prostaglandin $F_{2\beta}$. *$PGF_{2\beta}$.* *9-epi-$PGF_{2\alpha}$*
Powerful bronchodilator. Cryst. Mp 94-95°. $[\alpha]_{365}^{25}$ +12.7° (MeOH).
▷MJ9658000.
Me ester: Mp 84-85.5°. $[\alpha]_{365}^{25}$+10.1° (MeOH).

(5Z,8RS,9RS,11RS,12SR,13E,15SR)-form
(±)-*$PGF_{2\beta}$*
Prisms (EtOAc). Mp 96.5-97° (90-92°).
Me ester: Cryst. Mp 85-87°.

(5E,8R,9R,11R,12S,13E,15S)-form [36150-02-4]
Cryst. Mp 68-69°. $[\alpha]_D$ −8° (EtOH).

(5E,8R,9S,11R,12S,13E,15S)-form [36150-01-3]
(9α,11α,15α)-(5E,13E)-form. (5E)-*$PGF_{2\alpha}$*
Cryst. Mp 94.8-95.8°. $[\alpha]_D$ +9° (EtOH).

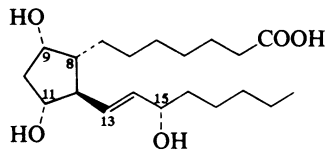
(5Z,8R,9S,11S,12S,13E,15S)-form [38432-87-0]
11-epi-*$PGF_{2\alpha}$*
Cryst. (EtOAc/hexane or MeCN). Mp 112-113.5°, 120-122°. $[\alpha]_D^{25}$ +80.6° (c, 1.0 in THF), +89.6° (MeOH).

(5Z,8RS,9SR,11RS,12SR,13E,15RS)-form [39762-37-3]
(±)-*15*-epi-*$PGF_{2\alpha}$*
Oil.

Corey, E.J. *et al, J. Am. Chem. Soc.*, 1969, **91**, 5675; *Tetrahedron Lett.*, 1970, 307, 311; 1977, 3529; *J. Chem. Soc., Chem. Commun.*, 1975, 658 (*synth*)
Pike, J.E. *et al, J. Org. Chem.*, 1969, **34**, 3552 (*synth, pmr, ir, ms*)
Rabinowitz, I. *et al, Nature* (*London*), New Biol., 1971, **233**, 88 (*conformn*)
Bundy, G.L. *et al, J. Am. Chem. Soc.*, 1972, **94**, 2124 (*synth*)
Lukacs, G. *et al, Tetrahedron Lett.*, 1973, 515 (*cmr*)
Schneider, W.P. *et al, J. Org. Chem.*, 1973, **38**, 397 (*synth*)
Leovey, E.M.K. *et al, J. Am. Chem. Soc.*, 1975, **97**, 4148 (*conformn, cd*)
Ernest, I., *Angew. Chem., Int. Ed. Engl.*, 1976, **15**, 207 (*rev*)
Andersen, N.H. *et al, Prostaglandins*, 1977, **14**, 61 (*synth*)
Martinez, E. *et al, J. Org. Chem.*, 1977, **42**, 1087 (*synth*)
Kondo, K. *et al, Tetrahedron Lett.*, 1978, 3927 (*synth*)
Lee, T.V. *et al, J. Chem. Soc., Perkin Trans. 1*, 1978, 1176 (*synth*)
Stork, G. *et al, J. Am. Chem. Soc.*, 1978, **100**, 8272 (*synth*)
Newton, R.F. *et al, J. Chem. Soc., Perkin Trans. 1*, 1979, 2789 (*synth, ir, pmr*)
Nicolaou, K.C. *et al, J. Chem. Soc., Chem. Commun.*, 1979, 83 (*synth*)
de Titta, G.T. *et al, Acta Crystallogr., Sect. B*, 1980, **36**, 638 (*cryst struct, conformn*)
Stehle, R.G., *Methods Enzymol.*, 1982, **86**, 436 (*rev*)
Kozikowski, A.P. *et al, J. Org. Chem.*, 1984, **49**, 2301 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5991.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8081, 2931.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1073.

9,11,15-Trihydroxyprost-13-enoic acid T-00484

3,5-Dihydroxy-2-(3-hydroxy-1-octenyl)-cyclopentaneheptanoic acid, 8CI



$C_{20}H_{36}O_5$ M 356.501

(8R,9S,11R,13E,15S)-form [745-62-0]
$PGF_{1\alpha}$
Constit. of sheep prostate gland. Stimulates rabbit duodenum *in vitro*. Mp 102-103°.
▷GY4569700.

(8S,9S,11R,13E,15S)-form [42607-55-6]
8-Epi-$PGF_{1\alpha}$
Occurs in semen.

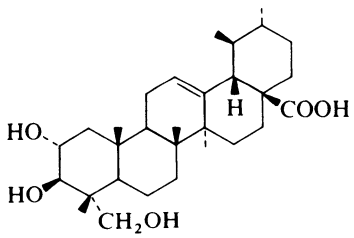
(8RS,9SR,11RS,13E,15SR)-form
(±)-*$PGF_{1\alpha}$*
Amorph. Mp 81°.
Me ester: Mp 75-77°.

(8R,9R,11R,13E,15S)-form [10164-73-5]
$PGF_{1\beta}$
Mp 128°.

(8RS,9RS,11RS,13E,15SR)-form [20348-60-1]
(±)-*$PGF_{1\beta}$*
Mp 116.4-116.8°.

Borgström, S. *et al, Acta Chem. Scand.*, 1960, **14**, 1693.
Eglinton, G. *et al, Nature* (*London*), 1963, **200**, 960 (*isol*)
Corey, E.J. *et al, J. Am. Chem. Soc.*, 1968, **90**, 3247 (*synth*)
Miyano, M. *et al, J. Org. Chem.*, 1972, **37**, 1810 (*synth*)
v. Hulle, F. *et al, Tetrahedron Lett.*, 1973, 2213 (*synth, ir, pmr, ms*)
de Clercq, P. *et al, J. Org. Chem.*, 1977, **42**, 3140 (*pmr*)
Desiderio, D.M., *GC-MS News*, 1979, **7**, 32 (*ms*)
Taylor, P., *Prostaglandins*, 1979, **17**, 259 (*occur*)
Cainelli, G. *et al, J. Chem. Soc., Perkin Trans. 1*, 1985, 203 (*synth*)

2,3,23-Trihydroxy-12-ursen-28-oic acid T-00485



$C_{30}H_{48}O_5$ M 488.706

(2α,3β)-form [464-92-6]
Asiatic acid
Constit. of *Dipterocarpus pilosus* and *Dryobalanops aromatica*. Cryst. by subl. Mp 300-305°.
▷Causes exp. neoplasms
28-[6-Deoxy-α-L-mannopyranosyl-(1→4)-O-β-D-glucopyranosyl-(1→6)-O-β-D-glucopyranoside]: [16830-15-2]. ***Asiaticoside.*** *Blastostimulina. Centelase. Emdecassol. Madecassol. Marticassol. FK 1080.*
$C_{48}H_{78}O_{19}$ M 959.133

Constit. of *Centella asiatica*. Shows antibiotic activity against gram-positive organisms and mycobacteria, particularly *M. tuberculosis*. Used in wound therapy. Cryst. Mp 235-238° (230-233°). $[\alpha]_D^{20}$ −14° (EtOH).

▷YU9625000.

Me ester: Cryst. (C_6H_6). Mp 224-225.5°. $[\alpha]_D$ +54.5°.

(2β,3α)-form

Constit. of *Nepeta hindostana*. Cryst. (MeOH). Mp 270°.

Polonsky, J. *et al*, *Bull. Soc. Chim. Fr.*, 1959, 880 (*isol*)
Polonsky, J. *et al*, *Bull. Soc. Chim. Fr.*, 1961, 1586 (*struct*)
Singh, B. *et al*, *Phytochemistry*, 1969, **8**, 917 (*isol*)
Chasseaud, L.F. *et al*, *Arzneim.-Forsch.*, 1971, **21**, 1379 (*metab, Asiaticoside*)
Gupta, A.S. *et al*, *Tetrahedron*, 1971, **27**, 823 (*isol*)
Velasco, M. *et al*, *Curr. Ther. Res. Clin. Exp.*, 1976, **19**, 121 (*Asiaticoside*)
Ahmad, V.U. *et al*, *Phytochemistry*, 1986, **25**, 1487 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1600.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 326.

Triiodomethane, 9CI, 8CI **T-00486**

Iodoform

[75-47-8]

CHI_3

CHI_3 M 393.732

Produced by *Aspergillus taxiformis*. Powerful antiseptic, disinfectant. Yellow hexagonal plates (Me_2CO), with characteristic disagreeable odour. Sol. org. solvs., pract. insol. H_2O. d_4^{20} 4.1. Mp 119-120°. Dec. slowly in light, steam-volatile.

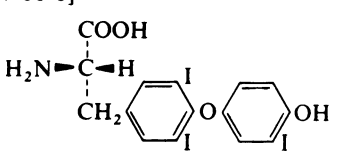
▷Toxic, TLV 10. PB7000000.

Datta, R.L. *et al*, *J. Am. Chem. Soc.*, 1917, **39**, 441 (*synth*)
Seelye, R.N. *et al*, *J. Chem. Educ.*, 1959, **36**, 572 (*rev*)
Burreson, B.J. *et al*, *J. Agric. Food Chem.*, 1976, **24**, 856 (*isol, ms, pmr*)
Iwata, Y. *et al*, *CA*, 1976, **85**, 54917 (*cryst struct*)
Anders, M.W. *et al*, *Drug Metab. Dispos.*, 1978, **6**, 556 (*metab*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **4**, 266.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4577.
Hazards in the Chemical Laboratory, (Bretherick, L., Ed.), 3rd Ed., Royal Society of Chemistry, London, 1981, 365.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1620.

3,3',5-Triiodothyronine **T-00487**

O-(4-Hydroxy-3-iodophenyl)-3,5-diiodotyrosine, 9CI. 3-[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]-alanine. 3'-Deiodothyroxine. Triothyrone. Numerous proprietary names

[327-86-6]



Absolute configuration

$C_{15}H_{12}I_3NO_4$ M 650.978

^{125}I and ^{131}I labelled compds. are used as radioactive agents; Triomet-125 and Tri-Thyrotope.

(R)-form [5714-08-9]

D-form. ***Detrothyronine, INN.*** *Dextrothyronine. SKFD 2623*

Hypocholesterolaemic agent.

(S)-form [6893-02-3]

L-form. ***Liothyronine, BAN, INN, USAN.*** *T_3. Numerous proprietary names*

Thyroid hormone. Mp 236-237° dec. $[\alpha]_D^{30}$ +21.5° (c, 4.75 in EtOH/1*M* HCl).

▷AY6750000.

B,HCl: [6138-47-2]. *Thybon.* Long needles. Mp 202-203° dec.

Na salt: [55-06-1]. *Liothyronine sodium, BAN, USAN. Cytobin. Cytomel. Cytomine. Tertroxin. Cynomel.* Component of Liotrix, Euthroid and Thyrolar.

(±)-form [3130-96-9]

Rathyronine, INN. *Trionine. Ro 2-5959*

Gross, J. *et al*, *Lancet*, 1952, 439; *Biochem. J.*, 1953, **53**, 645 (*isol*)
Roche, J. *et al*, *Bull. Soc. Chim. Fr.*, 1957, 462 (*synth*)
Goodman, H.M. *et al*, *Med. Physiol. 13th Ed.*, 1974, **2**, 1632 (*rev*)
Block, P., *J. Med. Chem.*, 1976, **19**, 1067 (*synth*)
Mazzocchi, P.H. *et al*, *Org. Magn. Reson.*, 1978, **11**, 143 (*cmr*)
Fossoul, C., *J. Pharm. Belg.*, 1980, **35**, 456 (*pharmacol*)
Chopra, I.J. *et al*, *Monogr. Endocrinol.*, 1981, **18**, 1 (*revs*)
Okabe, N. *et al*, *Biochim. Biophys. Acta*, 1982, **717**, 179 (*cryst struct*)
Schwartz, H.L. *et al*, *Endocrinology (Baltimore)*, 1983, **113**, 1236 (*isom, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3444, 3445, 3446.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9003, 9004, 9006.

Triletide, INN **T-00488**

N-[N-(N-Acetyl-L-phenylalanyl)-L-phenylalanyl-L-histidine methyl ester, 9CI. Zami 420

[62087-96-1]

AcNH-L-Phe-L-Phe-L-His-OMe

$C_{27}H_{31}N_5O_5$ M 505.572

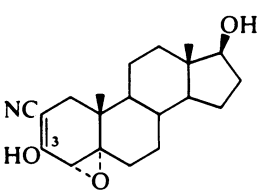
Antiulcer agent, gastric cytoprotective agent. Cryst. (MeOH aq.). Mp 160-165°. $[\alpha]_D^{20}$ −12.5° (c, 1 in MeOH).

Ger. Pat., 2 615 129, (*1976*); *CA*, **86**, 107046x (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1288.

Trilostane, BAN, USAN, INN **T-00489**

4α,5α-Epoxy-17β-hydroxy-3-oxoandrostane-2α-carbonitrile, 9CI. Desopan. Modrastane. Modrenal. Trilox. Winstan. Win 24540

[13647-35-3]



$C_{20}H_{27}NO_3$ M 329.438

Prob. tautom. at 3 position as keto-enol forms. Adrenocortical suppressant. Mp 258-270° dec. $[\alpha]_D$ +137.4° (Py).

▷BV8044200.

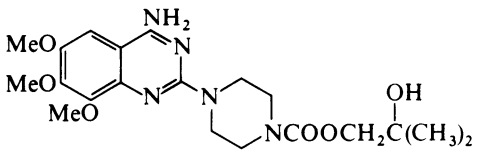
Neumann, H.C. *et al*, *J. Med. Chem.*, 1970, **13**, 948 (*synth, pharmacol, uv, ir*)

Potts, G.O. *et al*, *Steroids*, 1978, **32**, 257 (*pharmacol*)
Mori, Y. *et al*, *Chem. Pharm. Bull.*, 1981, **29**, 2646 (*metab*)
Owen, R.T., *Drugs of Today*, 1981, **17**, 201 (*rev*)
Christianson, R.G. *et al*, *J. Med. Chem.*, 1984, **27**, 928 (*synth, pharmacol*)
Robinson, D.T. *et al*, *J. Steroid Biochem.*, 1984, **21**, 601 (*metab*)
Brown, R.R. *et al*, *J. Chromatogr.*, 1985, **339**, 440 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13380.

Trimazosin, BAN, INN T-00490

2-Hydroxy-2-methylpropyl 4-(4-amino-6,7,8-trimethoxy-2-quinazolinyl)-1-piperazinecarboxylate, *9CI*

[35795-16-5]



$C_{20}H_{29}N_5O_6$ M 435.479

Antihypertensive drug, cardiac stimulant. Cryst. ($CHCl_3/Et_2O$). Mp 158-159°.

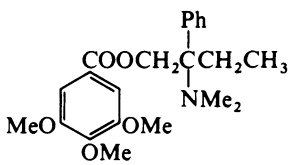
B,HCl: [35795-17-6]. *Trimazosin hydrochloride*, *USAN*. *Cardovar. Supres. CP 19106-1.* Cryst. + $1H_2O$.

Ger. Pat., 2 120 495, (*1971*); *CA*, **76**, 127012e (*synth, pharmacol*)
Weber, M.A. *et al*, *Clin. Pharmacol. Ther.*, 1982, **31**, 572 (*pharmacol*)
Reid, J.L. *et al*, *Am. Heart J.*, 1983, **106**, 1222 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 910.

Trimebutine, BAN, INN T-00491

3,4,5-Trimethoxybenzoic acid 2-(dimethylamino)-2-phenylbutyl ester, *9CI*. *Cerekinon. Digerent. Mebutin. Spabucol. Other proprietary names*

[39133-31-8]



$C_{22}H_{29}NO_5$ M 387.475

Antispasmodic drug. Cryst. (EtOH). Mp 78-80°.

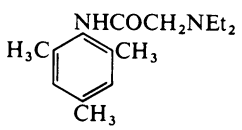
Maleate: Trimebutine maleate, *JAN*. Cryst. Mp 105-106°.

B.P., 1 342 547, (*1972*); *CA*, **78**, 58079j (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13381.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6665.

Trimecaine, INN T-00492

2-(Diethylamino)-N-(2,4,6-trimethylphenyl)acetamide, *9CI*. *2-Diethylamino-2',4',6'-trimethylacetanilide*, *8CI*. *Justecaina. Mesdicain. Mesocain. LL 31*

[616-68-2]



$C_{15}H_{24}N_2O$ M 248.367

Local anaesthetic. Mp 44°. Bp_6 187°, $Bp_{0.6}$ 154-155°.

▷AE2075000.

B,HCl: [1027-14-1]. Mp 140°.

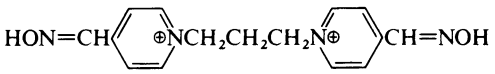
▷AE2100000.

Borovansky, A. *et al*, *J. Am. Pharm. Assoc.*, 1959, **48**, 402 (*synth, pharmacol*)
Novakova, E. *et al*, *Cesk. Farm.*, 1973, **22**, 347 (*tlc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7650.

Trimedoxime(2+) T-00493

1,1'-(1,3-Propanediyl)bis[4-[(hydroxyimino)methyl]-pyridinium, *9CI*. *1,1'-Trimethylenebis(4-formylpyridinium) dioxime*, *8CI*. *Dipiroxim. Dipyroxim*

[6736-02-3]



$C_{15}H_{18}N_4O_2^{\oplus\oplus}$ M 286.333 (ion)

Anticholinesterase.

▷UU7700500.

Dibromide: [56-97-3]. *Trimedoxime bromide*, *INN*. *C-434. TMB-4.*
$C_{15}H_{18}Br_2N_4O_2$ M 446.141
No phys. props. reported.

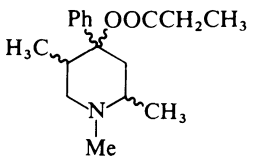
▷UU7525000.

Lamb, J.C. *et al*, *Biochim. Biophys. Acta*, 1964, **89**, 171 (*synth, pharmacol*)
Burrows, G.E. *et al*, *J. Chromatogr.*, 1972, **66**, 156 (*chromatog*)
De Miranda, P. *et al*, *J. Pharmacol. Exp. Ther.*, 1972, **180**, 435 (*metab*)

Trimeperidine, INN T-00494

1,2,5-Trimethyl-4-phenyl-4-piperidinol propanoate, *9CI*, *8CI*. *1,2,5-Trimethyl-4-phenyl-4-propionyloxypiperidine. Promedol*

[64-39-1]



$C_{17}H_{25}NO_2$ M 275.390

Narcotic analgesic.

▷TN8000000.

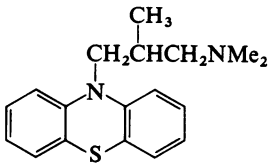
B,HCl: [125-80-4]. Mp 222-223°.

Guseva, E.N., *Farmakol. Toksikol.*, 1956, **19**, 17 (*pharmacol, tox*)
Nazarov, I.N. *et al*, *J. Gen. Chem. USSR*, 1956, **26**, 3117 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6264.

Trimeprazine, BAN T-00495

N,N,β-Trimethyl-10H-phenothiazine-10-propanamine, 9CI. 10-[3-(Dimethylamino)-2-methylpropyl]-phenothiazine, 8CI. ***Alimemazine, INN****. Vallergan. Other proprietary names*

[84-96-8]



$C_{18}H_{22}N_2S$ M 298.445

▷SO5700000.

(±)-form

Tranquilliser; antipruritic agent. Mp 68°. $Bp_{0.3}$ 150-175°.

B,HCl: Mp 216-217° dec.

Maleate: Mp 187°.

Tartrate (2:1): [4330-99-8]. *Trimeprazine tartrate, USAN. Alimemazine tartrate, JAN. Temaril.*

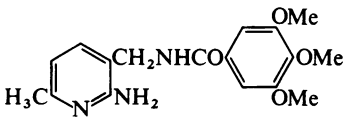
▷SO6475000.

Courvoisier, S. *et al, Arch. Int. Pharmacodyn. Ther.*, 1958, **115**, 90 (*pharmacol*)
U.S.P., 2 837 518, (*1958*); *CA*, **52**, 16382 (*synth*)
Kracmar, J. *et al, Pharmazie*, 1968, **23**, 651 (*uv*)
Gilbert, J.N. *et al, Org. Mass Spectrom.*, 1969, **2**, 17 (*ms*)
Patra, A. *et al, J. Indian Chem. Soc.*, 1982, **59**, 660 (*cmr*)
Pfeifer, S. *et al, Pharmazie*, 1986, **41**, 111 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4868.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6169.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2655.

Trimetamide, INN T-00496

N-[(2-Amino-6-methyl-3-pyridinyl)methyl]-3,4,5-trimethoxybenzamide. ***Trimetamide, INN***

[5789-72-0]



$C_{17}H_{21}N_3O_4$ M 331.371

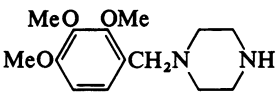
Antihypertensive agent. Mp 222°.

U.S.P., 3 037 988, (*1962*); *CA*, **57**, 12442b (*synth, pharmacol*)

Trimetazidine, BAN, INN T-00497

1-[(2,3,4-Trimethoxyphenyl)methyl]piperazine, 9CI. 1-(2,3,4-Trimethoxybenzyl)piperazine, 8CI

[5011-34-7]



$C_{14}H_{22}N_2O_3$ M 266.339

Coronary vasodilator. Bp_2 200-205°.

B,2HCl: [13171-25-0]. *Trimetazidine hydrochloride, JAN. Kyurinett. Vastarel. Yosimilon. Other proprietary names.* Mp 225-228°.

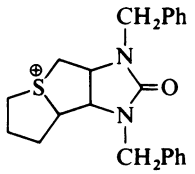
▷TM2976100.

Fr. Pat., M191, (*1961*); *CA*, **58**, 3442 (*synth*)
Fujita, Y., *Jpn. J. Pharmacol.*, 1967, **17**, 19 (*pharmacol*)
Japan. Pat., 73 32 889, (*1973*); *CA*, **79**, 32098k (*synth*)
Asano, M. *et al, Jpn. J. Pharmacol.*, 1983, **33**, 891 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3334.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9282.

Trimethaphan(1+) T-00498

Decahydro-2-oxo-1,3-bis(phenylmethyl)-thieno[1',2':1,2]thieno[3,4-d]imidazol-5-ium, 9CI. 1,3-Dibenzyldecahydro-2-oxothieno[1',2':1,2]thieno[3,4-d]-imidazol-5-ium, 8CI. 4,6-Diaza-4,6-dibenzyl-5-oxo-1-thiatricyclo[6.3.0.0^{3,7}]undecanium

[7187-66-8]



$C_{22}H_{26}N_2O_2S^{\oplus}$ M 382.520 (ion)

Antihypertensive, ganglion blocking agent.

(+)-Camphorsulphonate (1:1): [68-91-7]. *Trimetaphan camsylate, BAN. Trimetaphan camsilate, INN, JAN. Arfonad. Methioplegium. Thiophanium. Trimethiophane. Nu 2-2222. Ro 2-2222.* Bitter cryst. Mp ~45° approx. dec. $[\alpha]_D^{20}$ +22.0° (c, 4.0 in H_2O).

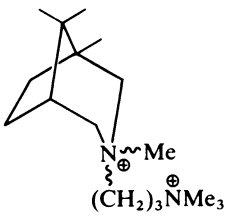
▷NJ6100000.

Randall, L.O. *et al, J. Pharmacol. Exp. Ther.*, 1949, **97**, 48 (*prep*)
Blessel, K.W. *et al, Anal. Profiles Drug Subst.*, 1974, **3**, 545 (*rev, spectra, bibl*)
Boura, A.L.A. *et al, Discoveries Pharmacol.*, 1984, **2**, 73 (*rev, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 911.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2656.

Trimethidinium(2+) T-00499

1,3,8,8-Tetramethyl-3-[3-(trimethylammonio)propyl]-3-azoniabicyclo[3.2.1]octane, 9CI. N-(γ-Trimethylammoniopropyl)-N-methylcamphidinium

[2624-50-2]



$C_{17}H_{36}N_2^{\oplus\oplus}$ M 268.485 (ion)

Antihypertensive, ganglion blocking agent.

Diiodide: [58594-48-2]. *Camphonium.*
$C_{17}H_{36}I_2N_2$ M 522.294
Mp 269-271°.

B,2Me$_2$SO$_4$: [14149-43-0]. *Trimethidinium methosulphate, BAN. Baratol. Camphidonium. Euprex. Ostensin. Ostensol. HA 106. Wy 1395.*
$C_{19}H_{42}N_2O_8S_2$ M 490.669
Cryst. Mp 192-193°.

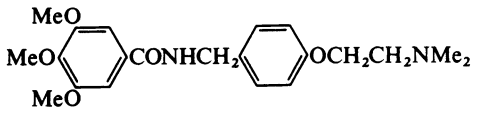
▷CO1747500.

Bilecki, G., *Med. Klin.*, 1956, **51**, 1516 (*pharmacol*)
Rice, L.M. *et al, J. Org. Chem.*, 1956, **22**, 185 (*synth*)
Klupp, H., *Arzneim.-Forsch.*, 1957, **7**, 123 (*pharmacol*)
Ger. Pat., 1 086 703, (*1960*); *CA*, **55**, 27379 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 912.

Trimethobenzamide, INN **T-00500**

N-[[4-[2-Dimethylamino)ethoxy]phenyl]methyl]-3,4,5-trimethoxybenzamide, 9CI

[138-56-7]



$C_{21}H_{28}N_2O_5$ M 388.463

Antiemetic drug.

B,HCl: [554-92-7]. *Trimethobenzamide hydrochloride, USAN. Xametina. Emamin. Anaus. Ro 2-9578. Nauseton. Numerous tradenames.* Mp 175-177°.

▷CV4550000.

Varshamov, Y.L. *et al, Farmakol. Toksikol.*, 1968, **31**, 537 (*pharmacol*)

Lerner, O.M. *et al, Khim.-Farm. Zh.*, 1969, **3**, 15 (*synth, pharmacol*)

Blessel, K.W. *et al, Anal. Profiles Drug Subst.*, 1973, **2**, 551 (*rev*)

Fr. Pat., 2 549 828, (*1985*); *CA*, **103**, 71073 (*synth*)

Robert, T.A., *Methodol. Anal. Toxicol.*, 1985, **3**, 201 (*hplc, glc-ms*)

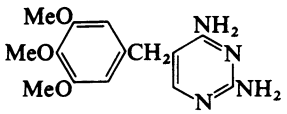
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6279 (*synonyms*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6170.

Trimethoprim, BAN, INN, USAN, JAN **T-00501**

5-[(3,4,5-Trimethoxyphenyl)methyl]-2,4-pyrimidinediamine, 9CI. 2,4-Diamino-5-(3,4,5-trimethoxybenzyl)-pyrimidine, 8CI. *Syraprim. Trimpex. NSC 106568. Numerous proprietary names*

[738-70-5]



$C_{14}H_{18}N_4O_3$ M 290.321

Antibacterial agent. Pale-yellow cryst. (EtOH aq.). Mp 199-203°. Widely used as mixt. with various sulphonamides for use as antibacterial agents. Component of Cotrimoxazole.

▷UV8225000.

2B,H_2SO_4: [56585-33-2]. *Trimethoprim sulfate, USAN.* Component of Polytrim.

U.S.P., 3 049 544, (*1963*); *CA*, **58**, 1478

Brossi, A. *et al, J. Med. Chem.*, 1971, **14**, 462 (*synth*)

Burchall, J.J., *Antibiotics (N.Y.)*, 1975, **3**, 304 (*rev*)

Koetzle, T.F. *et al, J. Am. Chem. Soc.*, 1976, **98**, 2074 (*cryst struct*)

Manius, G.J., *Anal. Profiles Drug Subst.*, 1978, **7**, 445 (*rev, synth, props, anal*)

Roth, B. *et al, J. Med. Chem.*, 1980, **23**, 379, 535 (*synth*)

Staedeli, W. *et al, Org. Magn. Reson.*, 1981, **16**, 170 (*N-15 nmr*)

Brogden, R.N. *et al, Drugs*, 1982, **23**, 405 (*rev, pharmacol*)

Sigel, C.W., *Handb. Exp. Pharmacol.*, 1983, **64**, 163 (*rev, metab*)

Bryan, R.F. *et al, Acta Crystallogr., Sect. C*, 1987, **43**, 2412 (*cryst struct*)

Huovinen, P., *Antimicrob. Agents Chemother.*, 1987, **31**, 1451 (*rev, props*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3212.

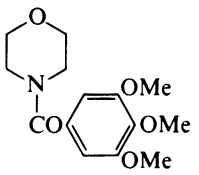
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1401.

Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2657.

4-(3,4,5-Trimethoxybenzoyl)morpholine, **T-00502**
9CI, 8CI

Trimetozine, *USAN, INN,* ***JAN****. Opalene. Trimolide. Trioxazine. NSC 62939. Other proprietary names*

[635-41-6]



$C_{14}H_{19}NO_5$ M 281.308

Sedative. Mp 120-122°.

▷QF1050000.

Pettit, G.R. *et al, J. Med. Chem.*, 1962, **5**, 800 (*synth*)

Moffett, R.B., *J. Med. Chem.*, 1964, **7**, 319 (*pharmacol*)

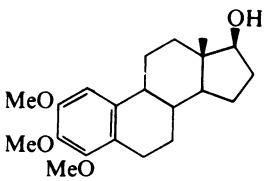
Kar, A., *Pharmazie*, 1983, **38**, 313 (*synth, pharmacol*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 3241.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7123.

2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol, **8CI** **T-00503**

[4314-54-9]



$C_{21}H_{30}O_4$ M 346.466

(+)-form

Potent analgesic. Dimorphic; (i) cryst. (MeOH, aq.) (ii) cryst. (Et_2O/pet. ether). Mp 52-55° and 131.5-132.5°. $[\alpha]_D^{27}$ +74° ($CHCl_3$).

(±)-form [33758-81-5]

Cryst. (Et_2O/pet. ether). Mp 135-136°.

Ac: [33758-82-6].

$C_{23}H_{32}O_5$ M 388.503

Mp 113-114°. $[\alpha]_D^{27}$ +38° ($CHCl_3$).

Axelrod, L.R. *et al, J. Am. Chem. Soc.*, 1966, **88**, 856 (*synth, uv*)

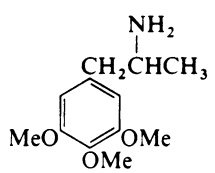
v. Deripe, D.R. *et al, J. Am. Chem. Soc.*, 1966, **88**, 5365 (*use*)

Rao, P.N. *et al, J. Chem. Soc. (C)*, 1971, 2855 (*synth, ir, uv, pmr*)

1-(3,4,5-Trimethoxyphenyl)-2-propylamine **T-00504**

3,4,5-Trimethoxy-α-methylbenzeneethanamine, 9CI. Trimethoxyamphetamine. TMA

[1082-88-8]



$C_{12}H_{19}NO_3$ M 225.287

▷SI3325000.

(±)-form

Potent psychotropic agent. Opt. active forms are also known.

B,HCl: [5688-80-2]. Mp 219-220°.

▷SI2285000.

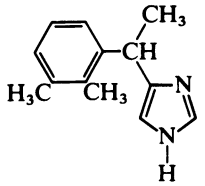
Picrate: Mp 171-173°.

Shulgin, A.T. *et al*, *Nature* (*London*), 1961, **189**, 1011
Shulgin, A.T., *Experientia*, 1963, **19**, 127.

4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole T-00505

4-[1-(2,3-Dimethylphenyl)ethyl]-1H-imidazole, 9CI. ***Medetomidine, INN, BAN.*** *MPU 295*

[86347-14-0]



$C_{13}H_{16}N_2$ M 200.283

(+)-***form*** [113775-47-6]
Dexmedetomidine, INN

(±)-***form***

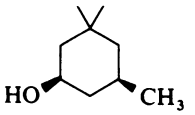
Veterinary tranquilliser, sedative and analgesic.
No phys. props. reported.

B.P., 2 101 114, (*1983*); *CA*, **99**, 38462 (*synth, pmr, cmr*)
Scheinin, M. *et al*, *Curr. Ther. Res.*, 1987, **41**, 637 (*pharmacol*)
Savola, J.M. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 29 (*pharmacol*)

3,3,5-Trimethylcyclohexanol, 9CI T-00506

Dihydroisophorol

[116-02-9]



(1*R*,5*R*)-*form* Absolute configuration

$C_9H_{18}O$ M 142.241

Used in hydraulic brake fluids, perfumes and pharmaceuticals. Acetate used in perfumery.

▷GW0875000.

O-(*2-Hydroxypropanoyl*): [15145-14-9]. *Ciclactate.*
$C_{12}H_{22}O_3$ M 214.304
Vasodilator. Bp_{18} 140°. n_D^{20} 1.4520. Stereochem. not indicated, prob. a mixt.

(***1S,5S*)-form** [54352-41-9]
(+)-cis-*form*
Mp 37.5°. $[\alpha]_D^{24.5}$ +9.43° (c, 1 in $CHCl_3$).

▷Mod. toxic

(***1R,5R*)-form** [54352-39-5]
(−)-cis-*form*
Mp 34-34.5°. Bp_{10} 80°. $[\alpha]_D^{24.5}$ −2.99° (c, 1 in $CHCl_3$).

(***1RS,5RS*)-form** [54307-79-8]
(±)-cis-*form*
d_4^{16} 0.90. Mp 12°. Bp_{750} 201-203°, Bp_{12} 92°.

Ac: [24691-16-5].
$C_{11}H_{20}O_2$ M 184.278
Bp 209-210° approx.

(***1RS,5SR*)-form** [64840-01-3]
(±)-trans-*form*
Needles (pet. ether). Mp 37°, Mp 58.5° (dimorph.).

3-Pyridinecarboxylate: [53449-58-4]. ***Ciclonicate, INN.*** *Cyclonicate. 3,3,5-Trimethylcyclohexylnicotinate. Bled. Cortofludan. Elastan. Euronicato. Rolil. Vasargil. Vasocidate.*
$C_{15}H_{21}NO_2$ M 247.336
Peripheral vasodilator, antilipolytic, spasmolytic agent.
$Bp_{0.6}$ 127-128°.

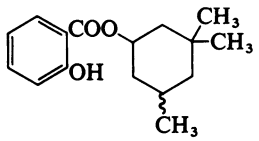
3-Pyridinecarboxylate; B,HCl: [54110-24-6].

Eliel, E.L. *et al*, *J. Org. Chem.*, 1961, **26**, 3504 (*synth*)
Netherlands Pat., 6 610 889, (*1967*); *CA*, **67**, 63925j (*Ciclactate*)
Ger. Pat., 2 406 849, (*1974*); *CA*, **82**, 4129q (*synth, Ciclonicate*)
Allinger, N.L. *et al*, *J. Org. Chem.*, 1975, **40**, 1316 (*synth*)
Sekules, G. *et al*, *Boll. Chim. Farm.*, 1980, **119**, 521 (*hplc, Ciclonicate*)
Faini, D. *et al*, *Farmaco, Ed. Prat.*, 1981, **36**, 478 (*pharmacol, Ciclonicate*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12566.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1059.

3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate, 9CI T-00507

3,3,5-Trimethylcyclohexyl salicylate, 8CI. *Homomenthyl salicylate.* ***Homosalate, INN, USAN.*** *Filtrosol* A. *Heliophan. Lipkote*

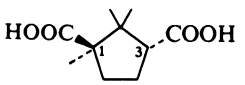
[118-56-9]



$C_{16}H_{22}O_3$ M 262.348
Ultraviolet sunscreen. Bp_4 161-165°.

U.S.P., 2 369 084, (*1945*); *CA*, **39**, 3886 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9306.

1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid T-00508



(1*R*,3*R*)-*form* Absolute configuration

$C_{10}H_{16}O_4$ M 200.234

▷Irritant, orally toxic

(***1R,3R*)-form** [595-32-4]
(−)-*Isocamphoric acid*
Cryst. (EtOH aq.). Mp 173°. $[\alpha]_D$ −48° (EtOH).

(***1R,3S*)-form** [124-83-4]
(+)-*Camphoric acid*
Cryst. (EtOH aq.). Mp 187°. $[\alpha]_D$ +47.7° (EtOH). pK_{a1} 4.65 (25°), pK_{a2} 4.85 (25°).

Anhydride:
$C_{10}H_{14}O_3$ M 182.219
Bp >270°. $[\alpha]_D$ −7.7° (C_6H_6).

Imide: (+)-*Camphorimide.*
$C_{10}H_{15}NO_2$ M 181.234
Needles (AcOH aq.). Sol. hot H_2O. Mp 248°. Bp 300°. $[\alpha]_D^{23}$ +1.6° ($CHCl_3$). Subl. above 120°.

1-[1-(4-Methylphenyl)ethyl] ester: [115-66-2]. ***Tocamphyl, INN.*** *Bilagen. Biliphorin. Gallogen. Hepasynthyl. Hepatoxane. Licarbin. Lymethol. Syncuma. Syntabil. Synthobilin.*
$C_{19}H_{26}O_4$ M 318.412
Choleretic drug. Administered as diethanolamine salt.

(***1S,3R*)-form**
(−)-*Camphoric acid*
Cryst. (EtOH aq.). Mp 187°. $[\alpha]_D^{25}$ −48° (EtOH).
Anhydride: Cryst. (EtOH). Mp 223.5°.

(1S,3S)-form
(+)-*Isocamphoric acid*
Cryst. (EtOH aq.). Mp 171-172°. $[\alpha]_D$ −47.6° (EtOH aq.).

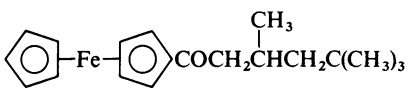
(1RS,3SR)-form
(±)-*Camphoric acid*
Anhydride: [7216-27-5]. Cryst. (EtOH), rhombohedra. Mp 226°.
Imide: (±)-*Camphorimide. 1,8,8-Trimethyl-3-azabicyclo[3.2.1]octane-2,4-dione*, 9CI. Needles (H_2O). Mp 249° (245°).

Perkin, W.H. *et al*, *J. Chem. Soc.*, 1906, **89**, 795 (*anhydrides*)
Evans, W.C. *et al*, *J. Chem. Soc.*, 1910, **97**, 2237 (*imide*)
Toivonen, N.J. *et al*, *Acta Chem. Scand.*, 1948, **2**, 597 (*anhydrides*)
Gunter, M.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1950, **99**, 465 (*Tocamphyl*)
Takahashi, T. *et al*, *Yakugaku Zasshi*, 1964, **84**, 911; *CA*, **62**, 4055 (*imide*)
Baker, K.M. *et al*, *Tetrahedron*, 1968, **24**, 1663 (*pmr*)
Brienne, M.-J. *et al*, *Tetrahedron*, 1970, **26**, 5087 (*abs config*)
Filippo, J.S. *et al*, *J. Org. Chem.*, 1976, **41**, 1077 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3750 (*Tocamphyl*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 466.

(3,5,5-Trimethylhexanoyl)ferrocene, 9CI T-00509

Diciferron, INN

[65606-61-3]



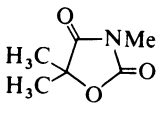
$C_{19}H_{26}FeO$ M 326.261
Mp 44-45°.

(±)-form
Iron supplement. Red solid. Mp 44-45°.
Ger. Pat., 2 623 486, (*1977*); *CA*, **88**, 89852s (*synth, pharmacol*)

3,5,5-Trimethyl-2,4-oxazolidinedione, 9CI, 8CI T-00510

Troxidone, BAN. *Trimethadione, INN. Tridione. Other proprietary names*

[127-48-0]



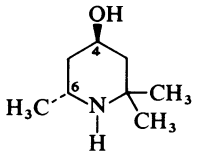
$C_6H_9NO_3$ M 143.142
Analgesic, anticonvulsant, antiepileptic agent. Cryst. (MeOH aq.) with slight camphor-like odour. Sl. sol. H_2O. Mp 46.5°. Bp_5 78-80°.

▷RQ2100000.

Spielmann, M.A., *J. Am. Chem. Soc.*, 1944, **66**, 1244 (*synth*)
Komowski, H. *et al*, *Bull. Soc. Chim. Fr.*, 1966, 3282 (*synth, ir*)
Nuhn, P. *et al*, *Pharmazie*, 1973, **28**, 484 (*pmr*)
Kutt, H., *Clin. Pharmacol. Ther.*, 1974, **16**, 243 (*rev, props*)
Withrow, C.D., *Adv. Neurol.*, 1980, **27**, 577 (*rev*)
Khera, K.S., *Prog. Clin. Biol. Res.*, 1985, **163C**, 317 (*rev, props*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 472.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6622.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2666.

2,2,6-Trimethyl-4-piperidinol, 9CI T-00511

4-Hydroxy-2,2,6-trimethylpiperidine. Vinyldiacetonalkamine



(4R,6R)-form

$C_8H_{17}NO$ M 143.228
▷TN7875000.

(4R,6R)-form
(+)-*β-form.* (+)-trans-*form*
Plates (C_6H_6). Mp 121-123°.
B,HCl: Plates. Mp 217-219°. $[\alpha]_{546}$+22.85°.
O-*Benzoyl; B,HCl:* (−)-*Iso-β-eucainehydrochloride*. Mp 271-273°. $[\alpha]_{546}$−14.25° (c, 1 in H_2O).

(4R,6S)-form
(−)-*α-form.* (−)-cis-*form*
Prisms (C_6H_6). Mp 79-81°.
B,HCl: Mp >300°. $[\alpha]_{546}$−18.5° (H_2O).

(4S,6R)-form
(+)-*α-form.* (+)-cis-*form*
B,HCl: Mp >300°. $[\alpha]_D$ +13.3° (H_2O).
O-*Benzoyl:* (+)-*β-Eucaine*. Columns (pet. ether). Mp 57-58°.

(4RS,6RS)-form
(±)-*β-form.* (±)-trans-*form*
Prisms (C_6H_6). Spar. sol. H_2O, Et_2O. Mp 160-161°. pK_a 10.6.
O-*Benzoyl:* (±)-*Iso-β-eucaine* Syrup.
O-*Benzoyl; B,HCl:* Silky needles or plates (H_2O). Mp 269-271°.
N-*Me:*
$C_9H_{19}NO$ M 157.255
Prisms (pet. ether). V. sol. H_2O. Mp 70-72°. Bp_{744} 220°.

(4RS,6SR)-form
(±)-*α-form*
Cryst. (C_6H_6). Sol. hot H_2O. Mp 137-138°. pK_a 10.0.
O-*Benzoyl:* [500-34-5]. ***β-Eucaine***. *Benzamine. Betacaine. Eucaine* B. *Betaeucaine.*
$C_{15}H_{21}NO_2$ M 247.336
Local anaesthetic. Plates (pet. ether). Mp 70-71° (91°).
▷TN7875000.
N-*Me:* Pale-yellow oil. V. sol. H_2O. Bp 218-220°.

Harries, C., *Justus Liebigs Ann. Chem.*, 1897, **294**, 372; 1897, **296**, 334 (*synth*)
King, H., *J. Chem. Soc.*, 1924, **125**, 41.
Perks, F. *et al*, *J. Pharm. Pharmacol.*, 1967, **19**, 318 (*stereochem*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7607.

Trimethyltetradecylammonium(1+), 8CI T-00512

Tetradonium

[10182-92-0]

$H_3C(CH_2)_{13}NMe_3^{\oplus}$

$C_{17}H_{38}N^{\oplus}$ M 256.494 (ion)
Antiseptic. Component of Cetrimide.
Bromide: [1119-97-7]. *Tetradonium bromide, INN.*
$C_{17}H_{38}BrN$ M 336.398

Mp 244-255°.

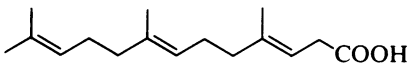
▷BT2677000.

Shelton, R.S. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 753 (*synth, pharmacol*)
van Seuden, K.G., *Rec. Trav. Chim.*, 1965, **84**, 1459 (*glc, ir*)
Laycock, H.H. *et al*, *J. Pharm. Pharmacol., Suppl.*, 1966, **18**, 9 (*glc*)
Welsh, T.L. *et al*, *J. Pharm. Sci.*, 1967, **56**, 1564 (*pharmacol*)
Uno, T. *et al*, *Spectrochim. Acta, Part A*, 1968, **24**, 1749 (*ir*)
Norbert, A. *et al*, *Bull. Soc. Fr. Mineral Cristallogr.*, 1975, **98**, 111 (*cryst struct*)
Isomaa, B. *et al*, *Acta Pharmacol. Toxicol.*, 1980, **47**, 17 (*pharmacol, toxicol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2216.

4,8,12-Trimethyl-3,7,11-tridecatrienoic acid T-00513

Farnesylcarboxylic acid. Homofarnesylic acid

[462-66-8]



$C_{16}H_{26}O_2$ M 250.380

$Bp_{0.3}$ 153-154°.

Et ester: [35750-41-5]. $Bp_{0.2}$ 126-127°.

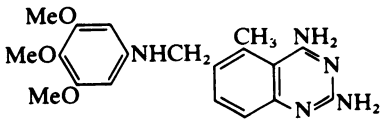
3,7,11-Trimethyl-2,6,10-dodecatrienyl ester: [83689-23-0]. ***Molfarnate, INN***. *Farnesyl farnesylcarboxylate.* $C_{31}H_{50}O_2$ M 454.735
Antiulcerogenic. Yellow oil. d_{23}^{25} 0.908. n_D^{25} 1.491.

Lucius, G., *Chem. Ber.*, 1960, **93**, 2663 (*synth*)
Fujisawa, T. *et al*, *Chem. Lett.*, 1981, 1307 (*synth*)
Ger. Pat., 3 150 055, (*1982*); *CA*, **97**, 216519 (*ester*)

Trimetrexate, USAN T-00514

5-Methyl-6-[[(3,4,5-trimethoxyphenyl)amino]methyl]-2,4-quinazolinediamine, 9CI. 2,4-Diamino-5-methyl-6[(3,4,5-trimethoxyanilino)methyl]quinazoline. CI-898. JB 11. NSC 249008. TMQ

[52128-35-5]



$C_{19}H_{23}N_5O_3$ M 369.422

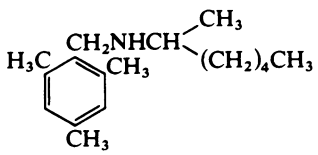
Antineoplastic agent, inhibits dihydrofolate reductase.

Acetate: Cryst. (H_2O). Mp 215-217° (as hydrate).

B.P., 1 345 502, (*1974*); *CA*, **80**, 133461z (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13382.

Trimexiline, INN T-00515

2,4,6-Trimethyl-N-(1-methylhexyl)-benzenemethanamine, 9CI. 2,4,6-Trimethyl-N-(1-methylhexyl)benzylamine



$C_{17}H_{29}N$ M 247.423

(+)-*form*

B,HCl: Mp 163°.

(−)-*form*

B,HCl: Mp 161°.

(±)-*form* [58757-61-2]

Antihistamine, venotonic.

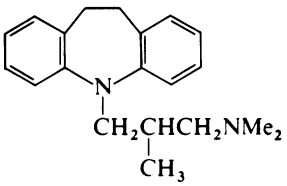
B,HCl: Mp 167°.

Ger. Pat., 2 428 625, (*1976*); *CA*, **84**, 135272v (*synth, pharmacol*)

Trimipramine, BAN, USAN, INN T-00516

10,11-Dihydro-N,N,β-trimethyl-5H-dibenz[b,f]azepine-5-propanamine, 9CI. 5-(3-Dimethylamino-2-methylpropyl)-10,11-dihydrodibenz[b,f]azepine. Trimeproprimine. Herphonal. Sapilent. Stangyl. Surmontil. Tydamine. FI 6120. IL 6001. RP 7162

[739-71-9]



$C_{20}H_{26}N_2$ M 294.439

▷HO1225000.

(+)-*form*

Oil.

Maleate: Mp 132°. $[\alpha]_D$ +25.5°.

(±)-*form*

Antidepressant. Mp 45°.

Maleate: [521-78-8]. *Trimipramine maleate, USAN.* Mp 142°.

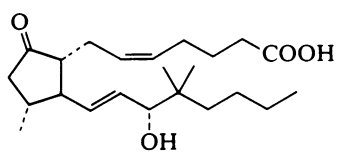
▷HN9260000.

Jacob, R.M. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1961, **252**, 2117 (*synth*)
Julou, L. *et al*, *Compt. Rend. Soc. Biol.*, 1961, **155**, 307 (*pharmacol*)
Poiret-Lagubeau, J. *et al*, *Ann. Pharm. Fr.*, 1975, **33**, 279 (*pmr*)
Al-Badr, A.A., *Anal. Profiles Drug Subst.*, 1983, **12**, 683 (*rev, synth, props, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2538, 2539.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2502.

Trimoprostil, USAN, INN T-00517

15-Hydroxy-11,16,16-trimethyl-9-oxoprosta-5,13-dien-1-oic acid, 9CI. 7-[2-(3-Hydroxy-4,4-dimethyl-1-octenyl)-3-methyl-5-oxocyclopentyl]-5-heptenoic acid. Ro-21-6937/000

[69900-72-7]



$C_{23}H_{38}O_4$ M 378.551

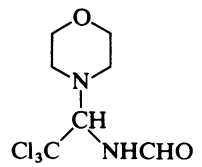
Gastric antisecretory agent. Stereoisomers also prepd.

Ger. Pat., 2 829 331, (*1979*); *CA*, **90**, 168143f (*synth, pharmacol*)
Dammann, H.G. *et al*, *Arzneim.-Forsch.*, 1983, **33**, 905 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17016.

Trimorphamide T-00518

N-[*2,2,2-Trichloro-1-(4-morpholinyl)ethyl]formamide*, *9CI*. N-(*1-Formylamido-2,2,2-trichloroethyl*)-*morpholine*. *Trimorfamid*. *Fademorf EK20*

[60029-23-4]



$C_7H_{11}Cl_3N_2O_2$ M 261.535

▷LQ3500100.

(±)-*form*

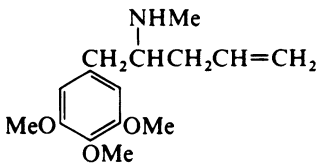
Antifungal agent. Cryst. (C_6H_6/pet. ether). Mp 116°.

Böhme, H. *et al*, *Arch. Pharm.*, 1961, **294**, 307 (*synth*)
Ger. Pat., 2 439 610, (*1976*); *CA*, **85**, 88501c (*activity*)
Vargova, M. *et al*, *Mutat. Res.*, 1980, **78**, 361 (*toxicity*)
Czech. Pat., 193 659, (*1982*); *CA*, **96**, 138029e (*activity*)
Vrabel, V. *et al*, *Collect. Czech. Chem. Commun.*, 1985, **50**, 1619 (*cryst struct*)

Trimoxamine, INN T-00519

3,4,5-Trimethoxy-N-*methyl*-α-*2-propenylbenzeneethanamine*, *9CI*. α-*Allyl-3,4,5-trimethoxy*-N-*methylphenethylamine*, *8CI*

[15686-23-4]



$C_{15}H_{23}NO_3$ M 265.352

(±)-*form*

Antihypertensive agent. Mp 146-147°.

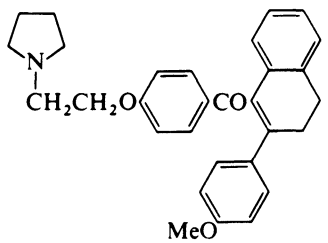
B,HCl: [7082-27-1]. *Trimoxamine hydrochloride*, *USAN*. *NAT 327*. *NDR 5523*A.

McCarty, F.J. *et al*, *J. Med. Chem.*, 1970, **13**, 814 (*synth, pharmacol*)

Trioxifene, INN T-00520

[*3,4-Dihydro-2-(4-methoxyphenyl)-1-naphthalenyl*] [*4-[2-(1-pyrrolidinyl)ethoxy]phenyl*]*methanone*, *9CI*

[63619-84-1]



$C_{30}H_{31}NO_3$ M 453.580

Antioestrogen.

Methanesulphonate salt: [68307-81-3]. *Trioxifene mesylate*, *USAN*. *Lilly 133314*. Mp 171.5-172.5°.

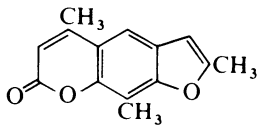
▷OB1832000.

Jones, C.D. *et al*, *J. Med. Chem.*, 1979, **22**, 962 (*synth, ir, pmr, uv, pharmacol*)
Wakeling, A.E. *et al*, *J. Endocrinol.*, 1983, **99**, 455 (*pharmacol*)

Trioxsalen, USAN T-00521

2,5,9-Trimethyl-7H-furo[*3,2-g*][*1*]*benzopyran-7-one*, *9CI*, *8CI*. *4,5',8-Trimethylpsoralen*. ***Trioxysalen***, ***INN***, ***JAN***. *Dermetrix*. *Levrison*. *Tripsos*. *Trisoralen*. *NSC 71047*

[3902-71-4]



$C_{14}H_{12}O_3$ M 228.247

Phytotoxic metab. of "pink rot" disease, produced by *Sclerotinia sclerotiorum*. Photosensitiser, medicinal pigmentation agent. Prisms ($CHCl_3$). Mp 234.5-235°.

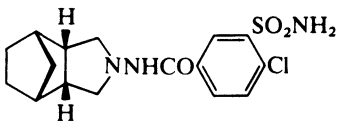
▷LV1576000.

Kaufman, K.D., *J. Org. Chem.*, 1961, **26**, 117 (*synth, uv*)
Scheel, L.D. *et al*, *Biochemistry*, 1963, **2**, 1127 (*isol*)
Caporale, G. *et al*, *Experientia*, 1967, **23**, 985 (*pharmacol*)
Bender, D.R. *et al*, *J. Org. Chem.*, 1979, **44**, 2176 (*synth*)
Elgamal, M.H.A. *et al*, *Phytochemistry*, 1979, **18**, 139 (*cmr*)
Kaufman, K.D. *et al*, *J. Org. Chem.*, 1980, **45**, 738 (*synth*)
Taskineu, J. *et al*, *Biomed. Mass Spectrom.*, 1980, **7**, 556 (*ms*)
Hassan, M.A., *Anal. Profiles Drug Subst.*, 1981, **10**, 705 (*rev*)
Thompson, H.J. *et al*, *J. Chromatogr.*, 1984, **314**, 323 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1657.

Tripamide, USAN, INN T-00522

3-(Aminosulfonyl)-4-chloro-N-(*octahydro-4,7-methano-2H-isoindol-2-yl*)*benzamide*, *9CI*. *4-Chloro*-N-(*endohexahydro-4,7-methanoisoindolin-2-yl*)-*3-sulfamoylbenzamide*. *ADR-033*. *E-614*. *Normonal*

[73803-48-2]



$C_{16}H_{20}ClN_3O_3S$ M 369.865

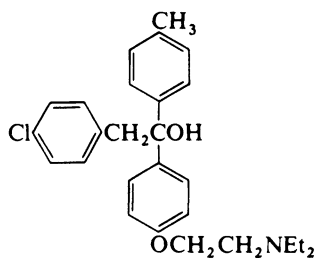
Antihypertensive, diuretic.

Japan. Pat., 73 05 585, (*1973*); *CA*, **78**, 136070r
Horie, T. *et al*, *Xenobiotica*, 1981, **11**, 197 (*metab*)
Asada, H. *et al*, *Gen. Pharmacol.*, 1982, **13**, 215 (*pharmacol*)
Horie, T. *et al*, *J. Chromatogr.*, 1982, **231**, 111 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1293.

Triparanol, BAN, INN T-00523

4-Chloro-α-[*4-[2-(diethylamino)ethoxy]phenyl*]-α-(*4-methylphenyl*)*benzeneethanol*, *9CI*. *2*-(p-*Chlorophenyl*)-*1*-[p-[*2-(diethylamino)ethoxy*]*phenyl*]-*1*-p-*tolylethanol*, *8CI*. *Numerous proprietary names*

[78-41-1]



$C_{27}H_{32}ClNO_2$ M 438.008

▷KK2400000.

(±)-*form*

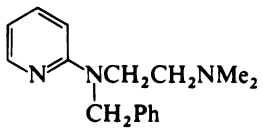
Antilipaemic drug. Mp 103-104°. No longer available as pharmaceutical product because of irreversible cataract formation.

Laughlin, C. *et al*, *J. Am. Med. Assoc.*, 1962, **181**, 339 (*tox*)
Zonis, L.S. *et al*, *Zh. Obshch. Khim.*, 1963, **33**, 3141 (*synth, pharmacol*)
Kritchevsky, D., *Drill's Pharmacology in Medicine*, 1971, McGraw-Hill, N.Y., 4th Ed., 1315 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7536.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2681.

Tripelennamine, BAN, INN T-00524

N,N-Dimethyl-N′-(phenylmethyl)-N′-2-pyridinyl-1,2-ethanediamine, 9CI. N-Benzyl-N′,N′-dimethyl-N-2-pyridylethylenediamine. Dehistin. Azaron. Pyribenzamine. Tonaul. Numerous proprietary names

[91-81-6]



$C_{16}H_{21}N_3$ M 255.362

Antihistamine, freq. for vet. use. Oily liq. $Bp_{1.7}$ 185-190°. pK_a 9.07.

▷US2800000.

Dipicrate: Yellow cryst. Mp 191.6-194.8°.

Citrate: [6138-56-3]. *Tripelennamine citrate, USAN.* Mp 106-110°.

▷US2950000.

B,HCl: [154-69-8]. *Pyrinamine. Resistamine. Vetibenzamine. Tri-tumine.* Mp 192.5-193.5°.

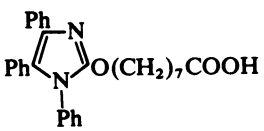
▷US3150000.

Huttrer, C.P. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1999.
U.S.P., 2 406 594, (*1946*); *CA*, **41**, 489
Fales, H.M. *et al*, *Arch. Mass Spectral Data*, 1971, **2**, 670 (*ms*)
Haley, T.J., *Dangerous Prop. Ind. Mater. Rep.*, 1983, **3**, 7 (*rev, pharmacol, tox, metab*)
Piskorik, H.G., *Anal. Profiles Drug Subst.*, 1985, **14**, 107 (*rev, synth, anal, props*)
Parvez, M., *Acta Crystallogr., Sect. C*, 1987, **43**, 1408 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4074.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6171, 6172.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2325.

8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]-octanoic acid, 9CI T-00525

Octimibate, INN. *NAT 04-152*

[89838-96-0]



$C_{29}H_{30}N_2O_3$ M 454.568

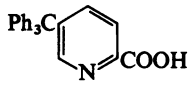
Antilipidaemic agent. Mp 165°.

Ger. Pat., 3 228 271, (*1984*); *CA*, **100**, 174832 (*synth*)
Ruecker, W. *et al*, *Atherosclerosis* (*Shannon, Irel.*), 1988, **69**, 155 (*pharmacol*)

5-(Triphenylmethyl)-2-pyridinecarboxylic acid, 9CI T-00526

5-Tritylpicolinic acid. ***Picotrin, INN***

[64063-57-6]



$C_{25}H_{19}NO_2$ M 365.431

Used for treatment of acne, keratolytic agent. Cryst. (MeCN). Mp 215-217°.

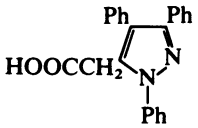
2,2′-Dihydroxydiethylamine salt: [64063-83-8]. *Picotrin diolamine, USAN. Sch 19741.* Cryst. (EtOH). Mp 206-209°.

Ger. Pat., 2 653 138, (*1977*); *CA*, **87**, 117787z (*synth*)

1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, 9CI T-00527

Isofezolac, INN. *Sofenac. LM 22102*

[50270-33-2]



$C_{23}H_{18}N_2O_2$ M 354.407

Analgesic, antipyretic, antiinflammatory agent.

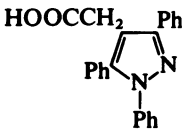
▷UQ4929000.

Ger. Pat., 2 312 256, (*1973*); *CA*, **79**, 146516a (*synth, pharmacol*)
Bannier, A. *et al*, *J. Chromatogr.*, 1980, **182**, 369 (*hplc*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16863.

1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid T-00528

Trifezolac, INN

[32710-91-1]



$C_{23}H_{18}N_2O_2$ M 354.407

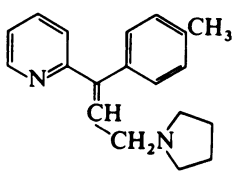
Analgesic, antipyretic, antiinflammatory agent. Cryst. (MeOH aq.). Mp 211-212°.

Na salt: [32702-17-3]. Mp 209-210°.

Ger. Pat., 1 946 370, (*1971*); *CA*, **75**, 49072n (*synth, pharmacol*)

Triprolidine, BAN, INN T-00529

2-[1-(4-Methylphenyl)-3-(1-pyrrolidinyl)-1-propenyl]-pyridine, 9CI. 1-(2-Pyridyl)-3-(1-pyrrolidinyl)-1-p-tolyl-1-propene



$C_{19}H_{22}N_2$ M 278.396

▷UT7656000.

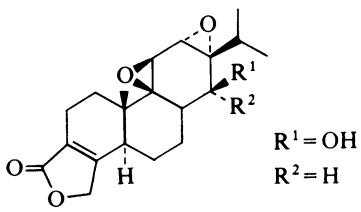
(E)-form [486-12-4]
Antihistamine. Cryst. (pet. ether). Mp 59-61°.
▷UT7656000.

B,HCl: [550-70-9]. *Triprolidine hydrochloride, USAN. Actidilon. Pro-Actidil. Pro-Entra. Actidil. Other proprietary names.* Cryst. + $1H_2O$ (H_2O). Mp 116-118°. Component of Actifed.
▷UT7657000.

B.P., 719 276, (*1954*); *CA*, **50**, 1090 (*synth*)
Adamson, D.W. *et al*, *J. Chem. Soc.*, 1958, 312 (*synth*)
James, M.N.G. *et al*, *Can. J. Chem.*, 1974, **52**, 1880 (*cryst struct*)
Benezra, S.A. *et al*, *Anal. Profiles Drug Subst.*, 1979, **8**, 509 (*rev, synth, props, anal*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5269.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 6173.

Triptolide T-00530

[38748-32-2]



$C_{20}H_{24}O_6$ M 360.406
Constit. of *Tripterygium wilfordii*. Antineoplastic agent, effective against leukaemia and lung carcinoma. Cryst. Mp 226-227°. $[\alpha]_D^{25}$ −154° (c, 0.369 in CH_2Cl_2).
▷YK7751000.

Kupchan, S.M. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 7194 (*isol*)
Gilmore, C.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 816 (*cryst struct*)
Kupchan, S.M. *et al*, *Science*, 1974, **185**, 791 (*rev*)
Garver, L.C. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 867 (*synth*)
Lai, C.K. *et al*, *J. Org. Chem.*, 1982, **47**, 2364 (*synth*)
v. Tamelen, E.E. *et al*, *J. Am. Chem. Soc.*, 1982, **104**, 1785 (*synth*)

Triptorelin, INN T-00531

6-D-Tryptophanluteinizing hormone-releasing factor (pig), 9CI. Decapeptyl. Gonadorelin [6-D-Trp]. Triptoreline. AY 25650. D-Trp⁶ LHRH

[57773-63-4]

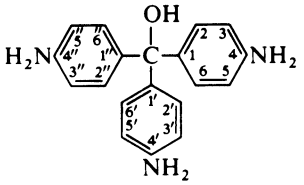
H-5-OxoPro-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH_2

$C_{64}H_{82}N_{18}O_{13}$ M 1311.465
Antineoplastic agent. $[\alpha]_D^{23}$ −59° (c, 0.33 in AcOH aq.).

Coy, D.H. *et al*, *J. Med. Chem.*, 1976, **19**, 423 (*synth, props*)
Banik, U.K. *et al*, *Reprod. Processes Contracept.*, 1981, 143 (*rev*)
Barron, J.L. *et al*, *J. Clin. Endocrinol. Metab.*, 1982, **54**, 1169 (*metab*)
Belg. Pat., 904 458, (*1986*); *CA*, **106**, 5449 (*synth*)
Horvath, A. *et al*, *Biochem. Biophys. Res. Commun.*, 1986, **138**, 419 (*synth, props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16834.

Tris(4-aminophenyl)methanol T-00532

4,4′,4″-Triaminotriphenylcarbinol. Tris(p-aminophenyl)methanol. Pararosaniline base



$C_{19}H_{19}N_3O$ M 305.379
Cryst. Mp ca. 205°.

Me ether:
$C_{20}H_{21}N_3O$ M 319.405
Cryst. + $1Et_2O$ (Et_2O), cryst. + $1C_6H_6$ (C_6H_6). Mp 105° (Et_2O), 135° (C_6H_6).

4,4′,4″-Tri-N-Ac:
$C_{25}H_{25}N_3O_4$ M 431.490
Cryst. (Me_2CO/Et_2O). Mp 192°.

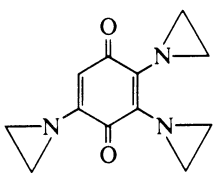
Compd. with 4,4′-methylenebis(3-hydroxy-2-naphthoate)(2:1): [7232-51-1]. ***Pararosaniline pamoate, USAN.*** *Pararosaniline embonate, INN. CI 403A. CN 15575-23A. NSC 107529. PS 1286.*
Antischistosomal. Solid + $3H_2O$.

Wieland, H. *et al*, *Ber.*, 1921, **54**, 2527.
Stora, C. *et al*, *C. R. Hebd. Seances Acad. Sci.*, 1949, **229**, 766 (*cryst struct*)
B.P., 908 634, (*1962*); *CA*, **58**, 3278 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13079.

Tris(1-aziridinyl)-1,4-benzoquinone T-00533

2,3,5-Tris(1-aziridinyl)-2,5-cyclohexadiene-1,4-dione, 9CI. ***Triaziquone, BAN, INN.*** *Triaziquinone. Oncoredox. Trenimon. A 163. Bayer 3231. NSC 29215. Riker 601. RP 10257*

[68-76-8]



$C_{12}H_{13}N_3O_2$ M 231.254
Antineoplastic agent. Purple cryst. (EtOAc). Mp 162.5-163°.
▷DK7175000.

Gauss, W., *Chem. Ber.*, 1958, **91**, 2216 (*synth*)
U.S.P., 2 976 279, (*1961*); *CA*, **55**, 18771 (*synth*)
Linford, J.H., *Chem.-Biol. Interactions*, 1973, **6**, 149 (*rev, props*)
Obe, G. *et al*, *Mutat. Res.*, 1979, **65**, 21 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1873.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2689.

Tris(2-chloroethyl)amine T-00534

2-Chloro-N,N-bis(2-chloroethyl)ethanamine, 9CI. 2,2′,2″-Trichlorotriethylamine, 8CI. ***Trimustine, BAN.*** *Trichlormethine, INN. Nitrogen Lost. NSC 30211*

[555-77-1]

$(ClCH_2CH_2)_3N$

$C_6H_{12}Cl_3N$ M 204.527

Chemical warfare agent, severe irritant, biological alkylating agent with mutagenic and cytotoxic activity. Antineoplastic agent. Mobile liq. with faint odour of fish and soap. Bp_2 98°.

▷Powerful vesicant. Exp. carcinogen. YE2625000.

B,HCl: [817-09-4]. *Lekamin. Trillekamin. Trimitan. SK 100. TS 160.* Cryst. (EtOH/Me_2CO). Mp 131-132.2°.

▷YE2800000.

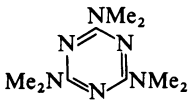
N-*Oxide; B,HCl:*
$C_6H_{12}Cl_3NO$ M 220.526
Cryst. (Me_2CO). Mp 91-92°.

Ward, K., *J. Am. Chem. Soc.*, 1935, **57**, 914 (*synth*)
Wilson, E. *et al*, *J. Am. Chem. Soc.*, 1951, **73**, 3635 (*synth*)
Kimura, E. *et al*, *Inorg. Chem.*, 1970, **9**, 1183 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1874.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1043, 1071.

Tris(dimethylamino)-1,3,5-triazine T-00535

N,N,N′,N′,N″,N″-*Hexamethyl-1,3,5-triazine-2,4,6-triamine*, *9CI*. ***Altretamine, INN***. *Hexamethylmelamine. Henel. Hexastat. ENT 50852. NSC 13875. RB 1515. WR 95704. HMM*

[645-05-6]



$C_9H_{18}N_6$ M 210.281
Antitumour agent. Insect chemosterilant. Needles (EtOH). Mp 172-174°.

▷OS1050000.

Bullen, G.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 642 (*cryst struct*)
Bessière-Chretien, Y. *et al*, *Bull. Soc. Chim. Fr.*, 1973, 2039 (*synth*)
Woerle, R. *et al*, *Justus Liebigs Ann. Chem.*, 1973, 1430 (*synth*)
Mitchie, P.D. *et al*, *Org. Mass Spectrom.*, 1983, **18**, 202 (*synth, ms*)
Dubois, J. *et al*, *Cancer Chemother. Pharmacol.*, 1986, **18**, 226 (*metab*)
Foster, B.J. *et al*, *Cancer Treat. Rev.*, 1986, **13**, 197 (*rev, pharmacol*)
Aroney, M.J. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1987, 1747 (*pmr, cryst struct*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1838.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1522.

Tris(2-hydroxyethyl)amine T-00536

2,2′,2″-Nitrilotrisethanol, *9CI*. *2,2′,2″-Nitritotriethanol*, *8CI*. *2,2′,2″-Trihydroxytriethylamine. Triethanolamine. Tricolamine.* ***Trolamine, USAN***. *Sting-Kill*

[102-71-6]

$N(CH_2CH_2OH)_3$

$C_6H_{15}NO_3$ M 149.189
Catalyst for condensation reacns. Pharmaceutic aid, analgesic. Hygroscopic, viscous liq. Misc. H_2O, MeOH, Me_2CO. Mp 21.6°. Bp 335.4°. pK_a 9.50. Not volatile in steam. Darkens in air.

▷KL9275000.

B,HCl: [637-39-8]. Cryst. (EtOH). Spar. sol. H_2O, EtOH. Mp 177°.

Tri-Ac: [3002-18-4].
$C_{12}H_{21}NO_6$ M 275.301
Mobile oil. V. sol. EtOH, Et_2O, insol. H_2O. $Bp_{2.0}$ 206-207°.

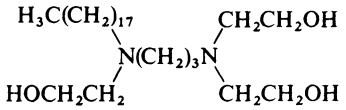
N-*Oxide:* [7529-23-9].
$C_6H_{15}NO_4$ M 165.189
Large cryst. V. sol. H_2O, EtOH, insol. EtOAc, ligroin. Mp 104-105.5°.

Wurtz, *Justus Liebigs Ann. Chem.*, 1862, **121**, 227 (*synth*)
Jones, L.W. *et al*, *J. Am. Chem. Soc.*, 1925, **47**, 2966 (*synth, props*)
B.P., 1 092 499, (*1967*); *CA*, **68**, 49030 (*synth, props*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **1**, 1196.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 218, 9593.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2653.

N,N,N′-Tris(2-hydroxyethyl)-*N′*-octadecyl-1,3-propanediamine T-00537

2,2′-[[3-[(2-Hydroxyethyl)octadecylamino]propyl]imino]bisethanol, *9CI*, *8CI*

[17671-49-7]



$C_{27}H_{58}N_2O_3$ M 458.767

B,2HF: [6818-37-7]. ***Olafur, INN, USAN***. *SKF 38095. GA 297.* Dental caries prophylactic. Main constit. of Elmex.

▷KL2895000.

U.S.P., 2 759 021, (*1956*); *CA*, **51**, 7407 (*synth*)
Dolan, M.M. *et al*, *J. Dental Res.*, 1973, **52**, 1323 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2496.

Tris(2-nitroxyethyl)amine T-00538

2,2′,2″-Nitrilotriethanol trinitrate, *9CI*, *8CI*. ***Trolnitrate, INN***

[7077-34-1]

$(O_2NOCH_2CH_2)_3N$

$C_6H_{12}N_4O_9$ M 284.182
Vasodilator.

B,2H₃PO₄: [588-42-1]. *Trolnitrate phosphate. Metamine. Nitretamin. Angitrit. Bentonyl. Duronitrin. Kardin. Nitranol. Nitroduran. Ortin. Numerous proprietary names.* Cryst. Insol. $CHCl_3$, Et_2O, sol. mineral acids. Mp 107-109° dec.

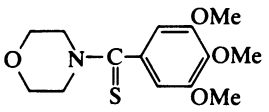
▷KL9360000.

Ger. Pat., 830 955, (*1952*); *CA*, **52**, 11109i (*synth*)
Buyanov, V.V., *Farmakol. Toksikol.*, 1967, **30**, 30 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 532 (*synonyms*)

Tritiozine, INN **T-00540**

4-(3,4,5-Trimethoxythiobenzoyl)morpholine, 9CI. *Sulmetozin. Clositol. ISF 2001. Tolentil. Tresanil. Trizinoral*

[35619-65-9]



$C_{14}H_{19}NO_4S$ M 297.368

Tranquilliser, gastric antisecretory agent. Cryst. (EtOH). Mp 138-140°.

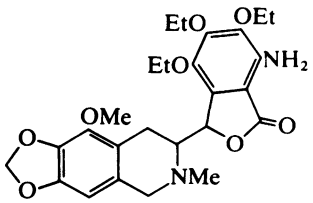
▷QF1790000.

Ger. Pat., 2 102 246, (*1972*); *CA*, **76**, 99690d (*synth, pharmacol*)
Pilferi, G. *et al*, *Chim. Ther.*, 1973, **8**, 462 (*synth, pharmacol*)
Pellegrini, R., *J. Int. Med. Res.*, 1979, **7**, 452 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13383.

Tritoqualine, INN **T-00541**

7-Amino-4,5,6-triethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-g]-isoquinolin-5-yl-1(3H)isobenzofuranone, 9CI. *7-Amino-4,5,6-triethoxy-3-(1,2,3,4-tetrahydro-5-methoxy-2-methyl-6,7-methylenedroxyquinolin-3-yl)phthalide. L-554. Hypohistamine. Inhibostamin. 35-NZ*

[14504-73-5]



$C_{26}H_{32}N_2O_8$ M 500.547

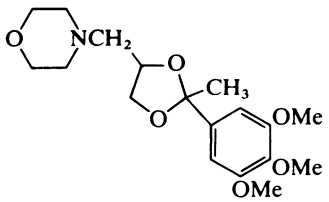
Histidine decarboxylase inhibitor, antihistamine, antiallergic agent. Mp 183°.

B.P., 873 935, (*1959*); *CA*, **56**, 7286 (*synth, pharmacol*)
Maccari, M., *Arch. Ital. Sci. Farmacol.*, 1964, **14**, 256 (*tox, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13384.

Trixolane, INN **T-00542**

4-[[2-Methyl-2-(3,4,5-trimethoxyphenyl)-1,3-dioxolan-4-yl]methyl]morpholine, 9CI

[47420-28-0]



$C_{18}H_{27}NO_6$ M 353.414

Spasmolytic, vasodilator, choleretic agent.

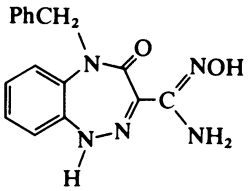
Maleate: [38034-17-2]. Cryst. (2-propanol/isopropyl ether). Mp 122°.

Ger. Pat., 2 200 766, (*1972*); *CA*, **77**, 140022y (*synth, pharmacol*)

Trizoxime, INN **T-00543**

4,5-Dihydro-N-hydroxy-4-oxo-5-(phenylmethyl)-1H-1,2,5-benzotriazepine-3-carboximidamide, 9CI. *5-Benzyl-4,5-dihydro-4-oxo-1H-1,2,5-benzotriazepine-3-carboxamidoxine*

[35710-57-7]



$C_{16}H_{15}N_5O_2$ M 309.327

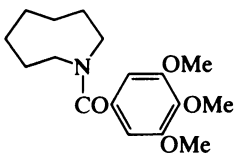
Antidepressant. Mp 180-181°.

Ger. Pat., 2 135 765, (*1972*); *CA*, **76**, 99722r (*synth, pharmacol*)

Trocimine, INN **T-00544**

Octahydro-1-(3,4,5-trimethoxybenzoyl)azocine, 9CI. *Origen. N-1157*

[14368-24-2]



$C_{17}H_{25}NO_4$ M 307.389

Antidepressant. Cryst. (C_6H_6). Mp 86°.

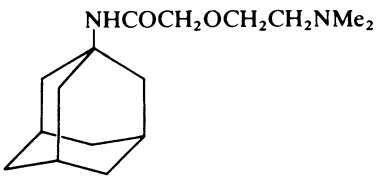
▷CN5075000.

Luts, H.A. *et al*, *J. Pharm. Sci.*, 1966, **55**, 1459 (*synth, pharmacol*)
Palosi, E. *et al*, *Arzneim.-Forsch.*, 1969, **19**, 1882 (*pharmacol*)

Tromantadine, INN **T-00545**

2-[2-(Dimethylamino)ethoxy]-N-tricyclo[3.3.1.1^{3,7}]dec-1-ylacetamide, 9CI. *N-1-Adamantyl-2-[(2-dimethylamino)ethoxy]acetamide*

[53783-83-8]



$C_{16}H_{28}N_2O_2$ M 280.409

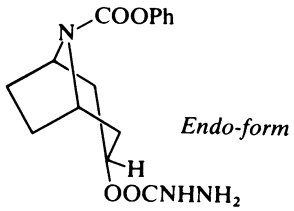
Antiviral agent.

B,HCl: [41544-24-5]. *Viro Serol. Viru-Merz-Serol. Viruserol. Vir-Merz. D41.* Cryst. Mp 157-158°.

Ger. Pat., 1 941 218, (*1971*); *CA*, **74**, 99516k (*synth*)
May, G. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 577, 718 (*synth, pharmacol*)
Rosenthal, K.S. *et al*, *Antimicrob. Agents Chemother.*, 1982, **22**, 1031 (*pharmacol*)
Koppel, C. *et al*, *Biomed. Mass Spectrom.*, 1985, **12**, 497 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1689.

Tropabazate, INN T-00546

Phenyl 3-[(hydrazinocarbonyl)oxy]-8-azabicyclo[3.2.1]octane-8-carboxylate. Phenyl 3α-hydroxy-8-azabicyclo[3.2.1]octane-8-carboxylate carbazate. 3-[(Hydrazinocarbonyl)oxy]-8-azabicyclo[3.2.1]octane-8-carboxylic acid phenyl ester, 9CI



Endo-form

$C_{15}H_{19}N_3O_4$ M 305.333

endo-form [64294-94-6]

Narcosis potentiator, tranquilliser. Cryst. (EtOH). Mp 183-184°.

B,HCl: Mp 217-219°.

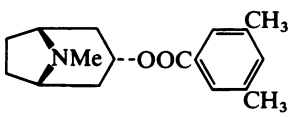
exo-form

Mp 88-90°.

Ger. Pat., 2 754 735, (*1978*); *CA*, **89**, 179863w (*synth, deriv, pharmacol*)

Tropanserin, INN, BAN T-00547

3,5-Dimethylbenzoic acid 8-methyl-8-azabicyclo[3.2.1]-oct-3-yl-ester, 9CI. Tropan-3-yl 3,5-dimethylbenzoate. Tropan-3-yl mesitylenoate



endo-form

$C_{17}H_{23}NO_2$ M 273.374

endo-form [85181-40-4]

Antimigraine agent (serotonin receptor antagonist).

B,HCl: [85181-38-0]. *Tropanserin hydrochloride, BAN, USAN. MDL 72422.* Cryst. (EtOH). Mp 260°.

exo-form [93235-19-9]

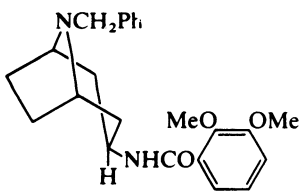
Pseudotropyl-3,5-dimethylbenzoate

B,HCl: [93235-24-6]. Cryst. (EtOH). Mp 245°.

Eur. Pat., 67 770, (*1982*); *CA*, **98**, 149590 (*synth, pharmacol*)
B.P., 2 131 420, (*1984*); *CA*, **101**, 230355 (*isomer, pharmacol*)

Tropapride, INN T-00548

2,3-Dimethoxy-N-[8-(phenylmethyl)-8-azabicyclo[3.2.1]oct-3-yl]benzamide, 9CI. N-(8-Benzyl-nortropan-3-yl)-o-veratramide. MD 790501



Exo-form

$C_{23}H_{28}N_2O_3$ M 380.486

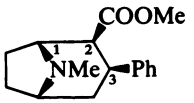
exo-form [76352-13-1]

Neuroleptic, antipsychotic agent. Mp 78° (as hydrate).

Ger. Pat., 3 001 328, (*1980*); *CA*, **94**, 65926s (*synth, pharmacol*)

Troparil T-00549

8-Methyl-3-phenyl-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester, 9CI. 3-Phenyltropane-2-carboxylic acid methyl ester. Win 35065



(1R,2R,3S)-form

$C_{16}H_{21}NO_2$ M 259.347

(1R,2R,3S)-form [50372-80-0]

(1R)-(exo,exo)-form

CNS stimulant. Plates (pentane). Mp 62-64°. $[\alpha]_D^{25}$ −5.3° (c, 1 in $CHCl_3$).

(1R,2S,3S)-form [50370-54-2]

(1R)-(endo,exo)-form

Prisms (pentane). Mp 70-72°. $[\alpha]_D^{25}$ +4.6° (c, 2 in $CHCl_3$).

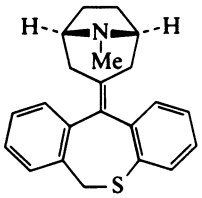
B,HCl: [50372-81-1]. $[\alpha]_D^{25}$ +31.4° (c, 1 in H_2O).

Clarke, R.L. *et al, J. Med. Chem.*, 1973, **16**, 1260 (*synth, pharmacol*)
Spealman, R.D. *et al, J. Pharmacol. Exp. Ther.*, 1983, **225**, 509 (*pharmacol*)

Tropatepine, INN T-00550

3-Dibenzo[b,e]thiepin-11(6H)-ylidene-8-methyl-8-azabicyclo[3.2.1]octane, 9CI. 3-Dibenzo[b,e]thiepin-11(6H)-ylidenetropane, 8CI

[27574-24-9]



$C_{22}H_{23}NS$ M 333.490

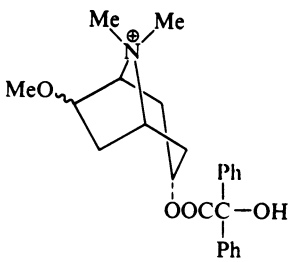
Spasmolytic, antihistamine, antiparkinsonian agent. Cryst. (MeCN). Mp 156-158°.

B,HCl: [27574-25-0]. *Lepticur. SD 1248-17.* Cryst. (2-propanol/Et_2O). Mp 272-274°.

Ger. Pat., 1 952 206, (*1970*); *CA*, **72**, 132563g (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13385.

Tropenziline(1+) T-00551

3-[(Hydroxydiphenylacetyl)oxy]-6-methoxy-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane, 9CI. 3α-Hydroxy-6-methoxy-8-methyltropanium benzilate. 7-Methoxy-8-methyltropinium benzilate. MTS 263



$C_{24}H_{30}NO_4^{\oplus}$ M 396.505 (ion)

Spasmolytic agent; anticholinergic agent.

Bromide: [143-92-0]. *Tropenziline bromide, INN. Palerol. Palerosan.*

$C_{24}H_{30}BrNO_4$ M 476.409

No phys. props. reported.

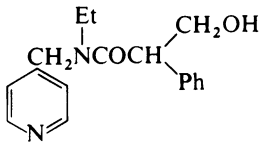
B.P., 765 821, (*1957*); *CA*, **51**, 15619

Lecchini, S. *et al*, *J. Pharm. Pharmacol.*, 1969, **21**, 662 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 423.

Tropicamide, BAN, USAN, INN **T-00552**

N-Ethyl-α-(hydroxymethyl)-N-(4-pyridinylmethyl)-benzeneacetamide, 9CI. N-Ethyl-N-(4-pyridylmethyl)-tropamide. Mydriacyl. Numerous proprietary names [1508-75-4]



$C_{17}H_{20}N_2O_2$ M 284.357

(±)-form [57322-49-3]

Mydriatic. Mp 96-97°.

B,HCl: Mp 123-125°.

B,HBr: Mp 147-149°.

B.P., 728 579, (*1955*); *CA*, **50**, 5773 (*synth*)

Blessel, K.W. *et al*, *Anal. Profiles Drug Subst.*, 1974, **3**, 565 (*rev, synth, props, anal*)

Hopkins, S.J., *Drugs of Today*, 1980, **16**, 89 (*rev*)

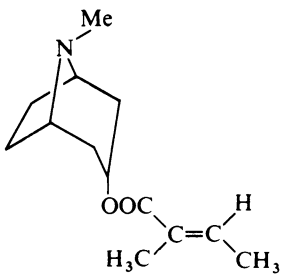
Yu, S. *et al*, *CA*, 1983, **99**, 139724 (*synth*)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4408.

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 424.

Tropigline, BAN, INN **T-00553**

1αH,5αH-Tropan-3α-ol 2-methylcrotonate, 8CI [533-08-4]



$C_{13}H_{21}NO_2$ M 223.314

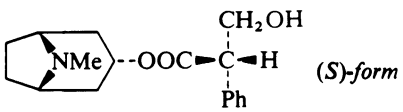
***(E)*-form**

Produced by *Physalis peruviana*. Anticholinergic, antiparkinsonian drug. Mp 204-207°.

Beresford, P.J. *et al*, *Phytochemistry*, 1974, **13**, 2143 (*biosynth, isol*)

Tropine tropate **T-00554**

α-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, 9CI



***(S)*-form**

$C_{17}H_{23}NO_3$ M 289.374

(*S*)-form [101-31-5]

Hyoscyamine, USAN, BAN. *Daturine. Duboisine*

Alkaloid from *Atropa, Datura, Duboisia, Hyoscyamus* and *Scopolia* spp. and several other genera in the Solanaceae, esp. some strains of *Duboisia myoporoides*. Used in medicine as a mydriatic. Mp 108-111°. $[\alpha]_D^{15}$ −22° (50% EtOH aq.). Racemises slowly in EtOH to Atropine, more rapidly in alkali or on melting; sometimes occurs naturally as partial racemate.

▷Highly toxic. NH0875000.

B,HBr: [306-03-6]. *Hyoscyamine hydrobromide, USAN.* Mp 151°. Deliquescent. Component of Dolonil and Pyridium Plus.

2B,H_2SO_4: [6835-16-1]. *Hyoscyamine sulfate, USAN. Anaspaz. Peptard.* Component of Donnagel, Donnazyme, Kinesed and Spalix.

N-*Oxide* (*equatorial O*): [56362-73-3]. ***Hyoscyamine* N-oxide *1***.

$C_{17}H_{23}NO_4$ M 305.373

Alkaloid from *A., Datura, H., S.* and *Mandragora* spp. (Solanaceae). Mp 165-170° dec. (as hydrochloride).

N-*Oxide* (*axial O*): [56362-74-4]. ***Hyoscyamine* N-oxide *2***.

$C_{17}H_{23}NO_4$ M 305.373

Alkaloid from *A., D., H., S.* and *M.* spp. Mp 175-180° dec. (as hydrochloride).

N-*De-Me:* [537-29-1]. ***Norhyoscyamine***.

$C_{16}H_{21}NO_3$ M 275.347

Alkaloid from aerial parts of *Datura meteloides*. The major alkaloid of some strains of *Duboisia myoporoides* (Solanaceae).

Picrate: [5934-49-6]. Mp 165°.

(±)-form [51-55-8]

Atropine, USAN, INN

Alkaloid from *A. belladonna, Datura stramonium* and other Solanaceae. Mydriatic, antispasmodic and cycloplegic agent. Used in preanaesthetic medication to prevent reflex brachycardia and bronchospasm and to decrease gland secretions. Reduces rigidity in parkinsonism. Antidote to poisoning with parasympathomimetic agents, e.g. nerve gases, organophosphorus insecticides. Cause of deliberate and accidental poisoning of humans and livestock. Nontoxic to some spp., e.g. rabbits. Mp 116-117°. In many cases, Atropine may be an artifact of the extraction procedure.

▷Highly toxic. Human lethal dose ~100 mg. Occasional hypersensitivity occurs. CK0700000.

B,HBr: [6415-90-3]. Mp 163-164°.

Picrate: Mp 175-176°.

N-*Oxide:* [4438-22-6]. *Aminoxytropine tropate.* ***Atropine oxide, INN.*** *Genatropine.*

$C_{17}H_{23}NO_4$ M 305.373

Mp 127-128°. Dec. at 135°.

N-*Oxide; B,HCl:* [4574-60-1]. *Atropine oxide hydrochloride, USAN. Atropigen. Tropinox. Xtro.* Prisms (EtOH). Mp 192-193°.

N-*De-Me: Noratropine.*

$C_{16}H_{21}NO_3$ M 275.347

Cryst. (Me_2CO). Mp 113-114°.

B, $MeNO_3$: [52-88-0]. *Methylatropine nitrate, USAN. Atropine methonitrate, BAN, INN, JAN. Metropine. Harvatrate. Metanite. Ekomine. Eumydrin.*

$C_{18}H_{26}N_2O_6$ M 366.413

Anticholinergic. Mp 166-168°.

▷CK2800000.

Propionate: [7009-65-6]. ***Prampine, BAN, INN.*** *Atropine propionate. Tropan-3-yl-O-propionyltropate. PAMN.*

$C_{20}H_{27}NO_4$ M 345.438

Used in treatment of peptic ulcers.

2B,H_2SO_4: [55-48-1]. *Atropine sulfate, USAN. Atropisol.* Cryst. Mp 190-194°. Component of Antrocol, Colonaid, Donnagel, Kinesed, Lomotil and Hydrapred.

▷CK2450000.

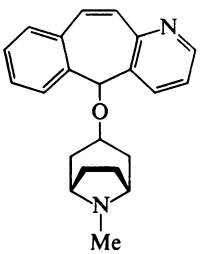
Leete, E. *et al*, *Can. J. Chem.*, 1954, **32**, 1116; 1955, **33**, 1853 (*isol, biosynth*)

Baralle, F.E. *et al*, *J. Chem. Soc., Chem. Commun.*, 1969, 721 (*biosynth*)
Cannon, J.R. *et al*, *Aust. J. Chem.*, 1969, **22**, 221 (*pmr*)
Liebisch, H.W. *et al*, *Justus Liebigs Ann. Chem.*, 1969, **721**, 163 (*biosynth*)
Fales, H.M. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 1590 (*ms*)
Takeuchi, Y. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 2603 (*synth*)
Kussäther, E. *et al*, *Acta Crystallogr., Sect. B*, 1972, **28**, 2896 (*cryst struct*)
Innes, I.R. *et al*, *Pharmacol. Basis Ther. 5th Ed.*, 1975, 514 (*rev, pharmacol*)
Phillipson, J.D. *et al*, *Phytochemistry*, 1975, **14**, 999 (*oxides*)
Sternberg, V.I. *et al*, *J. Heterocycl. Chem.*, 1977, **14**, 225 (*cmr*)
Pfister, J.R., *J. Org. Chem.*, 1978, **43**, 4373 (*synth*)
Shutt, L.E. *et al*, *Anaesthesia*, 1979, **34**, 476 (*rev, pharmacol*)
Kanto, J., *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1983, **21**, 92 (*rev*)
Al-Badr, A.A. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 325 (*rev, uv, ir, pmr, cmr, ms, anal*)
Seeger, R. *et al*, *Dtsch. Apoth. Ztg.*, 1986, **126**, 1930 (*rev, pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4503, 4504 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 381, 382, 383.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 328, 1602, 1804.

Tropirine, INN T-00555

5-(3-Tropanyloxy)-5H-benzo[4,5]cyclohepta[1,2-b]-pyridine, *8CI*. *3-(5H-Benzo[4,5]cyclohepta[1,2-b]-pyridyl-5-oxy)tropane*

[19410-02-7]



$C_{22}H_{24}N_2O$ M 332.444

Antihistaminic, anticholinergic and respiratory stimulant.

▷DE8025800.

Maleate: [17929-04-3]. *BS 7723*. Mp 196-198°.

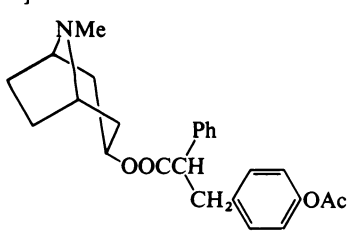
▷DE8025850.

Harms, A.F., *Chim. Ther.*, 1968, **3**, 277 (*synth, tox, pharmacol*)
Van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1968, **18**, 756 (*synth, pharmacol*)
Lavy, U.I. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 854 (*pharmacol*)

Tropodifene, INN T-00556

8-Methyl-8-azabicyclo[3.2.1]oct-3-yl 4-(acetyloxy)-α-phenylbenzenepropanoate, *9CI*. *3-Tropanol 3-(p-hydroxyphenyl)-2-phenylpropionate acetate*, *8CI*. *Tropine 3-(p-hydroxyphenyl-2-phenylpropionate) acetate*. *Tropaphen*

[15790-02-0]



$C_{25}H_{29}NO_4$ M 407.508

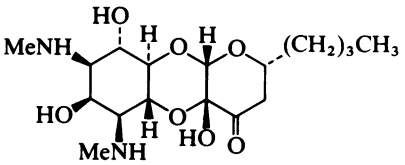
Antiadrenolytic and anticholinergic agent.

Zaitseva, K.A. *et al*, *Farmakol. Toksikol.*, 1969, **32**, 53 (*pharmacol*)

Trospectomycin, INN T-00557

2-Butyldecahydro-4a,7,9-trihydroxy-6,8-bis(methylamino)-4H-pyrano[2,3-b][1,4]benzodioxin-4-one, *9CI*

[88669-04-9]



$C_{17}H_{30}N_2O_7$ M 374.433

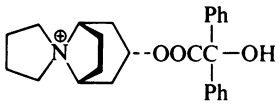
Antibiotic.

B,H₂SO₄: [88851-61-0]. *Trospectomycin sulfate*, *USAN*. *U 63-366F*.

White, D.R. *et al*, *J. Antibiot.*, 1983, **36**, 339 (*synth, pharmacol*)
Cialdella, J.I. *et al*, *J. Antibiot.*, 1986, **39**, 978 (*pharmacol*)
Cisneros, R.L. *et al*, *Curr. Ther. Res.*, 1988, **43**, 456 (*pharmacol*)
Zurenko, G.E. *et al*, *Antimicrob. Agents Chemother.*, 1988, **32**, 216, 257 (*pharmacol*)

Trospium(1+) T-00558

3-[(Hydroxydiphenylacetyl)oxy]spiro[8-azoniabicyclo[3.2.1]octane-8,1'-pyrrolidinium], *9CI*. *3α-Hydroxyspiro[nortropane-8,1'-pyrrolidinium] benzilate*



$C_{25}H_{30}NO_3^{\oplus}$ M 392.517 (ion)

Drug for relief of smooth muscle spasm. Anticholinergic agent.

Chloride: [10405-02-4]. *Trospium chloride*, *INN*. *Keptan*. *Relaspium*. *Spasmex*. *Spasmo 3*.

$C_{25}H_{30}ClNO_3$ M 427.970

Mp 255-257° dec.

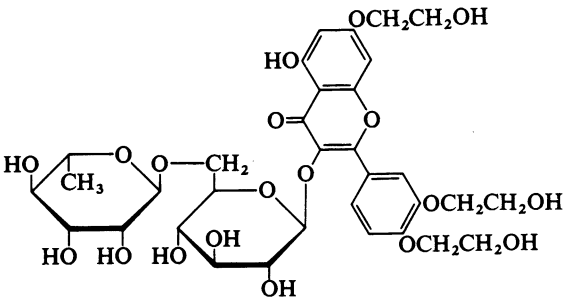
▷WH1317560.

Antweiler, H. *et al*, *Arzneim.-Forsch.*, 1966, **16**, 1581 (*pharmacol*)
Bertholdt, H. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 719 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5246.

Troxerutin, BAN, INN **T-00559**

2-[3,4-Bis(2-hydroxyethoxy)phenyl]-3-[[6-O-(6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranosyl]oxy]-5-hydroxy-7-(2-hydroxyethoxy)-4H-1-benzopyran-4-one, 9CI. 3,5-Dihydroxy-3',4',7-tris(2-hydroxyethoxy)-3-[6-O-(6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranoside]flavone, 8CI. Posorutin. Ruven. Veinamitol. Other proprietary names

[7085-55-4]



$C_{33}H_{42}O_{19}$ M 742.683

Principal component of a mixt. which contains about 40% mono, di and tetra(hydroxyethyl)rutins. Used for venous disorders (haemorrhoids). Yellow powder. Insol. EtOH. Mp 181°.

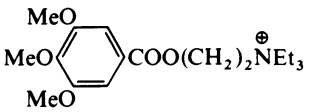
Mixture: **Oxerutins**. *Factor P-Zyma. Parovan. Relvene. Venoruten. Verutil. Vitamin P_4.* Yellow powder. Mp 156°.

B.P., 833 174, (*1960*); *CA*, **54**, 21135i
Courbat, P. *et al*, *Helv. Chim. Acta*, 1966, **49**, 1203, 1420 (*isol, struct*)
Mucharska, A., *Farm. Pol.*, 1971, **27**, 149; *CA*, **75**, 80315t (*chromatog*)
Ger. Pat., 2 320 858, (*1973*); *CA*. **80**, 30699d
Tomas, F. *et al*, *An. Quim.*, 1973, **69**, 357; *CA*, **79**, 57730y (*uv*)
Hackett, A.M. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 925 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7996 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13386.

Troxonium(1+) **T-00560**

N,N,N-*Triethyl-2-[(3,4,5-trimethoxybenzoyl)oxy]-ethanaminium, 9CI. Triethyl(2-hydroxyethyl)-ammonium 3,4,5-trimethoxybenzoate, 8CI*

[4386-76-9]



$C_{18}H_{30}NO_5^{\oplus}$ M 340.439 (ion)

Antihypertensive agent.

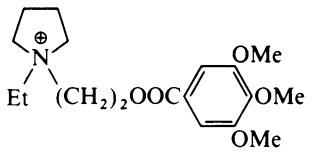
p-*Toluenesulphonate:* [391-70-8]. *Troxonium tosilate, INN. Troxonium tosylate, BAN. Troxone. FWH 429.* Mp 131°.

▷BT0175000.

B.P., 957 992, (*1964*); *CA*, **61**, 14591 (*synth, pharmacol*)
U.S.P., 3 350 396, (*1967*); *CA*, **69**, 2866k (*synth*)
Holden, J.T. *et al*, *Mol. Pharmacol.*, 1975, **11**, 19 (*pharmacol*)

Troxypyrrolium(1+) **T-00561**

1-Ethyl-1-[2-[(3,4,5-trimethoxybenzoyl)oxy]ethyl]-pyrrolidinium, 9CI. 1-Ethyl-1-(2-hydroxyethyl)-pyrrolidinium 3,4,5,-trimethoxybenzoate, 8CI



$C_{18}H_{28}NO_5^{\oplus}$ M 338.423 (ion)

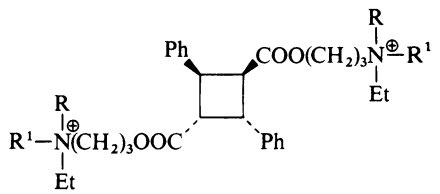
Anticholinergic, antihypertensive agent.

p-*Toluenesulphonate:* [3612-98-4]. *Troxypyrrolium tosylate, BAN, INN. Trox. Troxypyrrole. FWH 428.*
$C_{25}H_{35}NO_8S$ M 509.613
Mp 149°.

B.P., 957 992, (*1964*); *CA*, **61**, 14591 (*synth, pharmacol*)
U.S.P., 3 350 396, (*1967*); *CA*, **69**, 2866k (*synth*)
Holden, J.T. *et al*, *Mol. Pharmacol.*, 1975, **11**, 19 (*pharmacol*)

Truxicurium(2+), INN **T-00562**

3,3'-[(2,4-Diphenyl-1,3-cyclobutanediyl)-bis(carbonyloxy)]bis[N,N-diethyl-N-methyl-1-propanaminium], 9CI. Diethyl(3-hydroxypropyl)-methylammonium 2,4-diphenyl-1,3-cyclobutanedicarboxylate, 8CI. Cyclobutonium



R = Me, R^1 = Et

$C_{34}H_{52}N_2O_4^{\oplus\oplus}$ M 552.796 (ion)

Ganglionic blocking agent.

Diiodide: [4304-01-2].
$C_{34}H_{52}I_2N_2O_4$ M 806.605
Pale-yellow cryst. Mp 211-212°.

Samoilov, D.N., *Farmakol. Toksikol.*, 1971, **34**, 544 (*pharmacol*)
U.S.S.R. Pat., 360 849, (*1973*); *CA*, **79**, 66036 (*synth*)
Kharkevich, D.A. *et al*, *Khim.-Farm. Zh.*, 1977, **11**, 145 (*pharmacol*)

Truxipicurium(2+) **T-00563**

1,1'-[(2,4-Diphenyl-1,3-cyclobutanediyl)-bis(carbonyloxy-3,1-propanediyl)]bis[1-ethylpiperidinium], 9CI. 1-Ethyl-1-(3-hydroxypropyl)piperidinium α-2,4-diphenyl-1,3-cyclobutanedicarboxylate. Anatruxonium

As Truxicurium(2+), T-00562 with

$RR' = —(CH_2)_5—$

$C_{38}H_{56}N_2O_4^{\oplus\oplus}$ M 604.871 (ion)

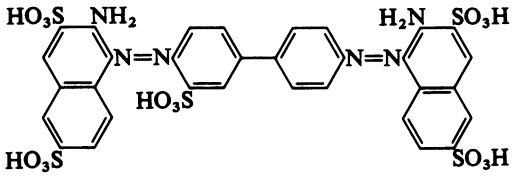
Neuromuscular blocker.

Diiodide: [35515-77-6]. *Truxipicurium iodide, INN.*
$C_{38}H_{56}I_2N_2O_4$ M 858.680
Cryst. (EtOH aq.). Mp 220-221°.

Arendaruk, A.P. *et al*, *Khim.-Farm. Zh.*, 1967, **1**, 3; *CA*, **68**, 49261d (*synth*)
Fisenko, V.P. *et al*, *Farmakol. Toksikol.*, 1973, **36**, 206 (*pharmacol*)
Kharkevich, D.A. *et al*, *Khim.-Farm. Zh.*, 1974, **8**, 59 (*synth, pharmacol*)

Trypan red T-00564

4,4'-[(3-Sulfo[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[3-amino-2,7-naphthalenedisulfonic acid], *9CI. C.I. 22850*



$C_{32}H_{24}N_6O_{15}S_5$ M 892.873

Usually obt. as penta-Na salt. Biological stain, veterinary trypanocide. Sol. H_2O.

Penta-Na salt: [574-64-1]. Reddish-brown powder.

Krauss, R.B. *et al*, *J. Am. Chem. Soc.*, 1914, **36**, 961 (*synth*)
Thoma, K. *et al*, *Pharm. Ind.*, 1975, **37**, 455 (*anal*)

Trypsin T-00565

Parenzyme. Parenzymol. Tryptar. Trypure

[9002-07-7]

Extracted from pancreatic gland of *Bos taurus* (ox). Proteolytic enzyme. Yellowish cryst. Component of Chymoral.

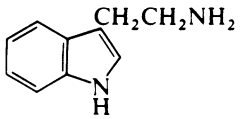
▷YN5075000.

U.S.P., 2 637 680, (*1953*); *CA*, **47**, 8972h (*isoln*)
Walsh, K.A. *et al*, *Proc. Natl. Acad. Sci. U.S.A.*, 1964, **51**, 301 (*struct, function*)
Tamburro, A.M. *et al*, *Gazz. Chim. Ital.*, 1968, **98**, 1256 (*conformn*)
Markley, J.L. *et al*, *Dev. Biochem.*, 1980, **10**, 31 (*rev, props*)
Marquart, M. *et al*, *Acta Crystallogr., Sect. B*, 1983, **39**, 480 (*cryst struct*)
Bohe, M. *et al*, *Digestion*, 1986, **34**, 127 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3751.

Tryptamine T-00566

1H-Indole-3-ethanamine, *9CI. 3-(2-Aminoethyl)indole. 2-(3-Indolyl)ethylamine*

[61-54-1]



$C_{10}H_{12}N_2$ M 160.218

Occurs widely in plants, esp. *Acacia* spp., *Lens esculenta* (lentil) and *Prosopsis juliflora* (Leguminosae) and the fungi *Ponaeolus foenisicii* and *Coprinus micaceus*. Also obt. from the gorgonian *Paramuricia chamaeleon*. Shows psychotropic effects. Metab. precursor of indoleacetic acid. Needles (pet. ether). V. spar. sol. Et_2O, $CHCl_3$, C_6H_6. Mp 118°. $Bp_{0.15}$ 137°.

▷NL4020000.

B,HCl: [343-94-2]. Needles (EtOH/EtOAc). Mp 248°.

▷NL4375000.

Picrate: Dark-red prisms (Et_2O). Mp 247° dec.

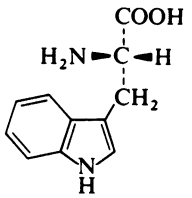
N^b-*Ac:*
$C_{12}H_{14}N_2O$ M 202.255
Mp 77°.

N^b-*Benzoyl:*
$C_{17}H_{16}N_2O$ M 264.326
Prisms. Mp 137-138°.

Ewins, A.J., *J. Chem. Soc.*, 1911, **99**, 270 (*synth*)
White, E.P., *N.Z.J. Sci. Technol. Sect. B.*, 1944, **25**, 157; 1951, **33**, 54; 1957, **38**, 718 (*isol*)
Cohen, L.A. *et al*, *J. Am. Chem. Soc.*, 1960, **82**, 2184 (*pmr*)
Jackson, A.H. *et al*, *J. Chem. Soc.*, 1965, 3498 (*synth*)
Kametani, T. *et al*, *Synthesis*, 1972, 475 (*synth*)
Wakahara, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1973, **46**, 2487 (*cryst struct*)
Cimino, G. *et al*, *Comp. Biochem. Physiol. C*, 1978, **61**, 361 (*isol*)

Tryptophan, USAN T-00567

2-Amino-3-(3-indolyl)propanoic acid. 3-3'-Indolyl-2-alanine



(*S*)-*form*
Absolute configuration

$C_{11}H_{12}N_2O_2$ M 204.228

(*R*)-*form* [153-94-6]

D-form

Plates (EtOH aq.). Mp 275-282°. $[\alpha]_D$ +33° (H_2O).

▷YN6129000.

Me ester, N-*Ac:*
$C_{14}H_{16}N_2O_3$ M 260.292
Prisms (EtOAc). Mp 152.5°. $[\alpha]_D^{25}$ −12° (MeOH).

Amide, N-*Ac:*
$C_{13}H_{15}N_3O_2$ M 245.280
Needles (MeOH aq.). Mp 192-193°. $[\alpha]_D^{25}$ −19° (MeOH).

N-*Benzyloxycarbonyl:*
$C_{19}H_{16}N_2O_4$ M 336.346
Mp 127-129°. $[\alpha]_D$ +5.0° (MeOH).

(*S*)-*form* [73-22-3]

L-form

Constit. of many plants. Enzymatic hydrol. prod. of most plant and animal proteins. Dietary supplement. Plates (EtOH aq.). Sol. boiling H_2O, hot EtOH, spar. sol. cold H_2O, EtOH, insol. $CHCl_3$. Mp 278° (252°, 289°). $[\alpha]_D^{20}$ −33.4° (EtOH); +6.1° (1N NaOH). Derivs. used in peptide synth. have been listed elsewhere.

▷YN6130000.

B,HCl: Needles (MeOH). Mp 257° dec.

Me ester:
$C_{12}H_{14}N_2O_2$ M 218.255
Plates (Et_2O). V. sol. MeOH, sol. Et_2O, EtOAc, spar. sol. pet. ether. Mp 89.5°.

Me ester; B,HCl: Microneedles (MeOH or EtOAc). Mp 214° dec.

Me ester, N-*Ac:* Prisms (EtOAc). Mp 152.5°. $[\alpha]_D^{25}$ +11.5° (MeOH).

Me ester, β,β-N,N-*di-Me:*
$C_{14}H_{18}N_2O_2$ M 246.308
Alkaloid present in *Pultenaea altissima* and the seeds of *Abrus precatorius*. Plant growth inhibitor. Needles (hexane). Mp 97-98°. $[\alpha]_D^{20}$ +65° (c, 2 in EtOH), +70° (c, 0.5 in dil. HCl). λ_{max} 203, 222, 276, 283 and 290 nm (EtOH).

Me ester, picrate: Reddish needles (H_2O). Mp 174°.

Benzyl ester:
$C_{18}H_{18}N_2O_2$ M 294.352
Mp 71-72°.

Chloride; B,HCl: Mp 228° dec. (darkens at 172°; sinters at 208°).

Amide:
$C_{11}H_{13}N_3O$ M 203.243
Mp 167-170°. $[\alpha]_D^{20}$ −7.9° (EtOH).
Amide, N-*Ac:* Needles (MeOH/Et_2O). Mp 192-193°. $[\alpha]_D^{25}$ +20.5° (MeOH).
Ethylamide:
$C_{13}H_{17}N_3O$ M 231.297
Mp 67-69°. $[\alpha]_D^{20}$ −14.4° (EtOH).
Diethylamide:
$C_{15}H_{21}N_3O$ M 259.350
Mp 183-185°. $[\alpha]_D^{20}$ −24.7° (EtOH).
Anilide:
$C_{17}H_{17}N_3O$ M 279.341
Mp 83-85°. $[\alpha]_D^{20}$ −9.5° (EtOH).
N-*Ac:*
$C_{13}H_{14}N_2O_3$ M 246.265
Needles (MeOH aq.). Mp 189-190°. $[\alpha]_D^{25}$ +30° (MeOH aq.).
N-*Ac, anilide:*
$C_{19}H_{19}N_3O_2$ M 321.378
Mp 198-199°. $[\alpha]_D^{31}$ +82.4°.
N-*Chloroacetyl:*
$C_{12}H_{13}ClN_2O_3$ M 268.699
Plates (H_2O). Mp 159°.
N-*Phenoxyacetyl:*
$C_{19}H_{18}N_2O_3$ M 322.363
Mp 196-197°. $[\alpha]_D^{20}$ +15°.
N-*Benzoyl:*
$C_{18}H_{16}N_2O_3$ M 308.336
Cryst. (H_2O). Mp 104-105°. $[\alpha]_D^{20}$ −37°.
N-*4-Chlorobenzoyl:* [39544-74-6]. ***Benzotript, INN.***
$C_{18}H_{15}ClN_2O_3$ M 342.781
Muscle relaxant, inhibits gastric secretion.
N-*Benzenesulfonyl:* Cryst. (EtOH aq.). Mp 185° dec.
N-*2,4-Dinitrophenyl:* Cryst. (MeOH aq.). Mp 175°.
Phenylhydrazide: Mp 213-214.5°.
Picrate: Red needles and plates. Mp 195-196° slight dec.
Picrolonate: Orange-red needles (H_2O). Mp 203-204° dec.

(±)-*form* [54-12-6]
Plates (EtOH aq.). Mp 275-282° (293°).
▷YN6129200.
Me ester; B,HCl: Mp 221-222°.
Me ester, N-*Ac:* Prisms (EtOAc). Mp 153-155°.
Me ester, N-*triphenylmethyl:* Cryst. (MeOH). Mp 171-172°.
Et ester, N-*Ac:*
$C_{15}H_{18}N_2O_3$ M 274.319
Mp 133.5°.
Isopropyl ester; B,HCl: Mp 217-222°.
*Amide, 1*N-*Me:*
$C_{12}H_{15}N_3O$ M 217.270
Mp 231-233°.
α-N-*Me:* Needles (EtOH aq.). Mp 297° dec. (darkens at 280°).
Picrate: Plates (MeOH/pet. ether). Mp 186° dec.
N-*Ac:* Cryst. (EtOH aq.). Mp 206°.
N-*Benzoyl:* Cryst. (EtOH aq.). Mp 188-191°.
N-p-*Nitrobenzoyl:* Cryst. (EtOH aq.). Mp 196.5-197.5°.
N-*Benzenesulfonyl:* Mp 185° dec.
N-*4-Methylbenzenesulfonyl:* Needles (Me_2CO). Mp 176°.
N-*Triphenylmethyl:* Cryst. (toluene). Mp ca. 245° dec.

Org. Synth., 1930, **10**, 100 (*synth*)
Boyd, W.J. *et al*, *Biochem. J.*, 1935, **29**, 2256 (*synth*)
Baker, J.W. *et al*, *Biochem. J.*, 1940, **34**, 657.
Albertson, N.F. *et al*, *J. Am. Chem. Soc.*, 1945, **67**, 36 (*synth*)
Spies, J.R., *J. Am. Chem. Soc.*, 1948, **70**, 3717 (*derivs*)
Greenstein, J.P. *et al*, *Chemistry of the Amino Acids*, 1961, Wiley, N.Y., Chapter 39.
Ger. Pat., 2 442 303, (*1975*); *CA*, **83**, 43741y (*Benzotript*)
Masumi, F. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 3831 (*synth*)
Morales-Ríos, M.S. *et al*, *J. Heterocycl. Chem.*, 1986, **23**, 1617 (*cmr*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 664.

L-Tryptophyl-L-alanyl-glycyl-glycyl-L-aspartyl-L-alanyl-L-seryl-glycyl-L-glutamic acid T-00568

Delta sleep-inducing peptide (rabbit), q.v. DSIP
[62568-57-4]

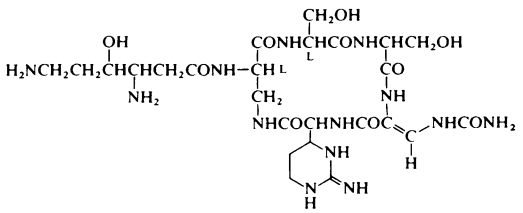
H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-GluOH

$C_{35}H_{48}N_{10}O_{15}$ M 848.822
Originally isol. from the extracorporeal dialysate of cerebral venous blood of rabbits. Subsequently synthesised. Induces sleep when administered intravenously.

Schoenenberger, G.A. *et al*, *Brain and Sleep*, (*v. Praag, H.M. et al*, Ed.), 1974, De Erven Bohn BV, Amsterdam, 39 (*isol*)
Schoenenberger, G.A. *et al*, *Proc. Natl. Acad. Sci. USA*, 1977, **74**, 1282 (*props*)
Schneider-Helmert, D. *et al*, *Int. J. Clin. Pharmacol. Ther. Toxicol.*, 1981, **19**, 341.
Kiso, Y. *et al*, *Pept. Chem.*, 1986, **24**, 299 (*synth, activity*)
Obal, F. *et al*, *Pharmacol. Biochem. Behav.*, 1986, **24**, 889 (*struct, activity*)

Tuberactinomycin *N* T-00569

Enviomycin, INN, JAN. *HI 47*
[33103-22-9]



$C_{25}H_{43}N_{13}O_{10}$ M 685.696
Cyclic peptide antibiotic. Metab. of *Streptomyces griseoverticillatus* var. *tuberacticus*. Active against gram-positive and -negative bacteria and mycobacteria. Tuberculostatic agent.
▷ZA3930000.
B,HCl: Mp 245° dec. $[\alpha]_D^{21}$ −19.1° (c, 1 in H_2O).
De(hydroxylysyl): [56257-31-9]. ***Tuberactinamine*** N.
$C_{19}H_{31}N_{11}O_8$ M 541.523
Cyclic peptide moiety of Tuberactinomycins *N* and *O*, obt. by hydrolysis. Shows similar antitubercular activity, but is less toxic. Fine needles + $\frac{1}{2}H_2O$ (EtOH) (as hydrochloride). Mp 269.9° dec. (hydrochloride). $[\alpha]_D^{27}$ −6.3° (c, 1 in H_2O).

Ando, T. *et al*, *J. Antibiot.*, 1971, **24**, 680.
Yoshioka, H. *et al*, *Tetrahedron Lett.*, 1971, 2043 (*struct*)
Wakamiya, T. *et al*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 2502 (*nmr*)
Wakamiya, T. *et al*, *J. Antibiot.*, 1975, **28**, 292 (*deriv*)
Shiba, T. *et al*, *Experientia*, 1976, **32**, 1109 (*nmr*)
Shiba, T. *et al*, *J. Antibiot.*, 1979, **32**, 1078 (*synth*)
Shiba, T. *et al*, *Pept. Chem.*, 1979, **17**, 83 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12691.

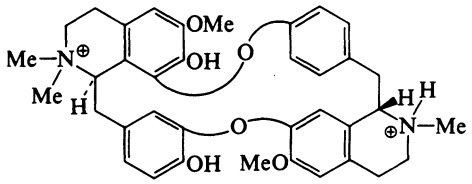
Tuberculin, USAN **T-00570**

Aplisol. Aplitest

Isol. from *Mycobacteria tuberculosis*. Diagnostic aid (dermal reactivity indicator).

Kuwabara, S. *et al*, *Jpn. J. Exp. Med.*, 1974, **44**, 129 (*struct*)
U.S.P., 3 875 002, (*1975*); *CA*, **83**, 84841z
Kuwabara, S., *J. Biol. Chem*, 1975, **250**, 2556 (*purifn, props*)
Gupta, K.C. *et al*, *Can. J. Microbiol.*, 1978, **24**, 1242 (*isoln*)
Landi, S., *Microbiol. Ser.*, 1984, **15**, 505 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 8024.

Tubocurarine(2+) **T-00571**



(+)-*form*

$C_{37}H_{42}N_2O_6^{\oplus\oplus}$ M 610.749 (ion)

▷YO4025000.

(+)-***form*** [57-95-4]

Quaternary alkaloid from Amazon curare (*Chondodendron tomentosum*) (Menispermaceae). Acts as a non-depolarising muscle relaxant producing paralysis. Used mainly as an adjuvant to anaesthesia.

▷Powerful curarising poison. YO4025000.

Dichloride: [6533-76-2]. *Tubocurarine chloride, BAN, INN, USAN. Amelizol. Tubocurin. Other proprietary names.*

$C_{37}H_{42}Cl_2N_2O_6$ M 681.655

Mp 274-275°. $[\alpha]_D^{22}$ +215° (H_2O).

Diiodide:

$C_{39}H_{42}I_2N_2O_6$ M 888.580

Mp 263-265° dec. $[\alpha]_D^{23}$ +140° (H_2O).

Di-Me ether, dichloride: [33335-58-9]. *Dimethyltubocurarinium chloride, INN. Dimeberine chloride. Mecostrin chloride. Metocurine chloride. Other proprietary names.*

$C_{40}H_{48}Cl_2N_2O_6$ M 723.735

Synthetic. Intramuscular relaxant. Mp 236° dec. $[\alpha]_D^{25}$ +195° (c, 0.5 in H_2O).

(−)-***form***

From *C. tomentosum* (Menispermaceae). This appears to have been isolated only once and is the abnormal enantiomer. Much less powerful pharmacologically than the (+)-form.

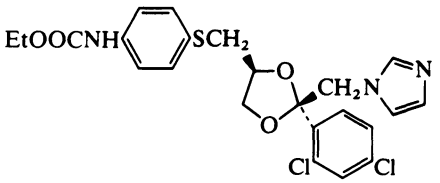
Dichloride: Minute needles + $5H_2O$ (H_2O). Mp 275° dec. $[\alpha]_{546}^{20}$ −258° (c, 0.38 in H_2O) (anhyd.).

Dutcher, J.D., *J. Am. Chem. Soc.*, 1946, **68**, 419; 1952, **74**, 2221 (*isol*)
King, H., *J. Chem. Soc.*, 1947, 936 ((−)-Tubocurarine)
Everett, A.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1970, 1020 (*struct*)
Codding, P.W. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 1174 (*cryst struct*)
Egan, R.S. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1973, 716 (*pmr*)
Sofia, R.D. *et al*, *Toxicol. Appl. Pharmacol.*, 1974, **28**, 227 (*pharmacol, tox*)
Reynolds, C.D. *et al*, *Acta Crystallogr., Sect. B*, 1976, **32**, 1431 (*cryst struct*)
Shamma, M. *et al*, *Alkaloids (N.Y.)*, 1977, **16**, 363 (*rev, attempted synth*)
Papastephanou, C., *Anal. Profiles Drug Subst.*, 1978, **7**, 477 (*rev, ir, pmr, uv, ms, anal*)
Koike, L. *et al*, *J. Org. Chem.*, 1981, **46**, 2385 (*cmr*)
Matteo, R.S. *et al*, *Anesthesiology*, 1982, **57**, 183 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8135, 8158.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5736.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2703.

Tubulozole, INN **T-00572**

Ethyl [[[*2-(2,4-dichlorophenyl)-2-(imidazo-1-yl-methyl)-1,3-dioxolan-4-yl]methyl]thio]carbanilate, *8CI*

[84697-22-3]



$C_{23}H_{33}Cl_2N_3O_4S$ M 518.497

Antineoplastic and antifungal agent (microtubule inhibitor).

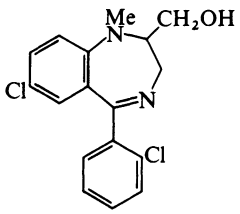
B,HCl: [83529-08-2]. *Tubulozole hydrochloride, USAN. R 46846.*

Van Ginckel, R. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1984, **20**, 99 (*pharmacol*)

Tuclazepam, INN **T-00573**

7-Chloro-5-(2-chlorophenyl)-2,3-dihydro-1-methyl-1H-1,4-benzodiazepine-2-methanol, 9CI

[51037-88-8]



$C_{17}H_{16}Cl_2N_2O$ M 335.232

(+)-***form***

More active enantiomer. $[\alpha]_D^{23}$ −39.3° (c, 1 in MeOH).

Tartrate: [103408-84-0]. Cryst. (Me_2CO). Mp 135-137°. $[\alpha]_D^{23}$ +51.5° (c, 1 in MeOH).

(−)-***form*** [103380-60-5]

$[\alpha]_D^{23}$ +40.7° (c, 1 in MeOH).

Tartrate: [103408-82-8]. Cryst. (Me_2CO). Mp 121-126°. $[\alpha]_D^{23}$ −57.5° (c, 1 in MeOH).

(±)-***form*** [103379-79-9]

Tranquilliser. Cryst. (2-propanol). Mp 173-175°.

B,HCl: Cryst. (EtOH). Mp 218-220°.

Tartrate: [103380-22-9]. Cryst. (Me_2CO). Mp 87-91°.

Milkowski, W. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1976, **11**, 501, 508; 1985, **20**, 345 (*synth, ir, uv, pmr, pharmacol*)

Tuftsin **T-00574**

N^2-[*1-*N^2*-L-Threonyl-L-lysyl)-L-prolyl]-L-arginine, 9CI*

[9063-57-4]

Thr-Lys-Pro-Arg

$C_{21}H_{40}N_8O_6$ M 500.597

Phagocytosis stimulating tetrapeptide present in γ-globulin. Under investigation as an immunostimulant.

Nishioka, K. *et al*, *Biochem. Biophys. Res. Commun.*, 1972, **47**, 172 (*isol, synth*)
Vicar, I. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 3467 (*synth*)
Stabinsky, Y. *et al*, *Int. J. Pept. Protein Res.*, 1978, **12**, 130 (*synth*)
Nishioka, K. *et al*, *Cancer Invest.*, 1984, **2**, 39 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1329.

Tumour necrosis factor T-00575

Cachectin. TNF-α. DIF

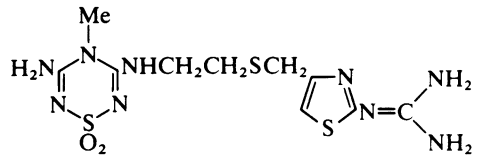
Cytokine peptide containing 157 amino acid residues. Immunomodulating agent; antitumour agent.

Pennica, D. *et al*, *Nature (London)*, 1984, **312**, 724 (*cloning*)
Aggarwal, B.B. *et al*, *J. Biol. Chem*, 1985, **260**, 2345 (*isol*)
Palladino, M.A. *et al*, *Trends Pharmacol. Sci.*, 1986, 388 (*rev*)
Beuter, B. *et al*, *New Engl. J. Med.*, 1987, **316**, 379 (*rev*)
Horohov, D.W. *et al*, *Drugs*, 1987, **33**, 289.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1331.

Tuvatidine, INN T-00576

[4-[[[2-[(5-Amino-4-methyl-4H-1,2,4,6-thiatriazin-3-yl)amino]ethyl]thio]methyl]-2-thiazolyl]guanidine S,S-*dioxide*, *9CI. HUK 978*

[91257-14-6]



$C_{10}H_{17}N_9O_2S_3$ M 391.483

H_2-receptor antagonist, antiulcerogenic agent. Cryst. (H_2O). Mp 213-215°.

B,HCl: [100499-91-0]. Cryst. (H_2O). Mp 250-252° dec.

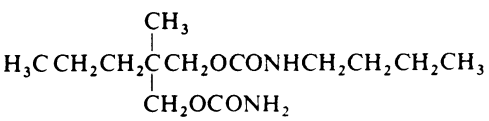
Maleate (2:1): [100499-96-5]. Cryst. (H_2O). Mp 192-194°.

Eur. Pat., 156 286, (*1985*); *CA*, **104**, 95470 (*synth, props*)
Coombes, J.D. *et al*, *Life Sci.*, 1985, **37**, 1711, 1719 (*pharmacol*)

Tybamate, BAN, USAN, INN T-00577

2-[[(Aminocarbonyl)oxy]methyl]-2-methylpentyl butylcarbamate, *9CI. Benvil. Depran. Effisax. Nospan. Reposan. Solacen. Solacin. Tibamax. Tybatran. W 713*

[4268-36-4]



$C_{13}H_{26}N_2O_4$ M 274.359

Tranquilliser, muscle relaxant. Cryst. (1,1,2-trichloroethane/hexane). Mp 49-51°. $Bp_{0.06}$ 150-152°.

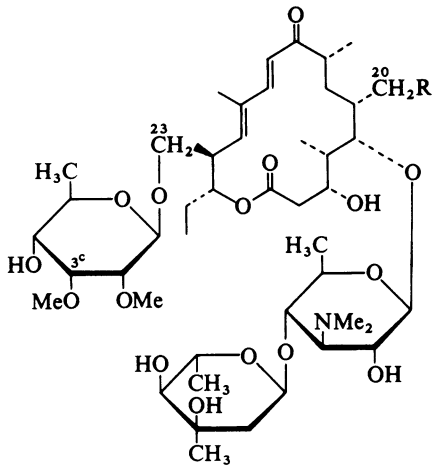
▷EZ0875000.

U.S.P., 2 937 119, (*1960*); *CA*, **54**, 18368a (*synth, pharmacol*)
Berger, F.M. *et al*, *Med. Exp.*, 1964, **10**, 327 (*pharmacol*)
Reisberg, P. *et al*, *Anal. Profiles Drug Subst.*, 1975, **4**, 494 (*synth, rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7124.

Tylosin, BAN, INN, 9CI, 8CI T-00578

Dehydrorelomycin. Corvel-Tylocine. Elanco-M. Norco T-2. Parkenova. Tylan. Tylon

[1401-69-0]



R = CHO

$C_{46}H_{77}NO_{17}$ M 916.111

Macrolide antibiotic. Isol. from *Streptomyces fradiae*. Antibacterial and used in treatment of mycoplasmas in poultry. Amorph. (Me_2CO/hexane). Mp 131°. $[\alpha]_D$ −55°.

▷YP0350000.

B,HCl: Mp 141-145°.

23-De(mycinosyl): [79592-92-0]. ***23-De(6-deoxy-2,3-di-O-methyl-β-D-allopyranosyl)tylosin***, *9CI.*
$C_{38}H_{63}NO_{13}$ M 741.915
From *S. fradiae*. Inhibits bacteria and mycoplasmas and is more active than tylosin.

23-De(mycinosyloxy): [79404-97-0]. ***23-De[(6-deoxy-2,3-di-O-methyl-β-D-allopyranosyl)oxy]tylosin***, *9CI.*
$C_{38}H_{63}NO_{12}$ M 725.915
From *S. fradiae*. Inhibits bacteria and mycoplasmas and is more active than tylosin.

3^C-O-De-Me: [11049-15-3]. ***Tylosin C***. *3^C-O-Demethyltylosin*, *9CI. Macrocin.*
$C_{45}H_{75}NO_{17}$ M 902.084
Isol. from *S. fradiae*. Cryst. (Me_2CO aq.). Mp 134-136°. $[\alpha]_D^{25}$ −52.5° (c, 2 in MeOH). pK_a 7.0.

▷OL9330000.

20-Alcohol: see Tylosin D, T-00579

3^C-O-De-Me, 4^A-Demycarosyl: [11049-05-1]. ***Lactenocin***.
$C_{38}H_{63}NO_{14}$ M 757.914
From *S. fradiae*. Mainly active against gram-positive bacteria.

▷YP0480000.

2^{C}3^C-Di-de-Me: [79404-98-1]. ***Demethylmacrocin***.
2^C,3^C-Di-O-demethyltylosin, *9CI.*
$C_{44}H_{73}NO_{17}$ M 888.057
From *S. fradiae*.

9,20-Dialcohol: [39282-31-0]. *9,20-Dideoxo-9,20-dihydroxytylosin*, *9CI. 9,20-Tetrahydrotylosin.*
$C_{48}H_{81}NO_{17}$ M 944.164
Prod. by microbial transformation of Tylosin by *S. ambofaciens*. Weakly active against gram-positive bacteria.

2^C-O-De-Me: ***2^C-O-Demethyltylosin***.
$C_{45}H_{75}NO_{17}$ M 902.084

From *S. fradiae*. Biol. less active than parent. Mp 124-128°. $[\alpha]_D^{23}$ −38.9° (c, 0.5 in MeOH).

2^C-Demethoxy: ***2^C-Demethoxytylosin***.
$C_{45}H_{75}NO_{16}$ M 886.085
From *S. fradiae*. Similar biol. props. to parent. Mp 122-126°. $[\alpha]_D^{23}$ −36.6° (c, 0.77 in MeOH).

2^C-Demethoxy, 4^C-Epimer: ***4-epi-2^C-Demethoxytylosin***.
$C_{45}H_{75}NO_{16}$ M 886.085
From *S. fradiae*. Similar biol. props. as parent. Mp 133-137°. $[\alpha]_D^{23}$ −45.9° (c, 0.67 in MeOH).

Hamill, R.L. *et al*, *J. Antibiot. Ser. A*, 1964, **17**, 133 (*Lactenocin*)
Morin, R.B. *et al*, *Tetrahedron Lett.*, 1964, 2339; 1970, 4737 (*uv, struct, ir, ms, nmr*)
Achenbach, H. *et al*, *Chem. Ber.*, 1975, **108**, 2481 (*struct, nmr*)
Omura, S. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4001, 4503 (*cmr, biosynth*)
Seno, E.T. *et al*, *Antimicrob. Agents Chemother.*, 1977, **11**, 455; 1982, **21**, 758 (*biosynth*)
Omura, S. *et al*, *J. Antibiot.*, 1980, **33**, 911, 915 (*deriv, abs config*)
Baltz, R.H. *et al*, *Antimicrob. Agents Chemother.*, 1981, **20**, 214 (*isol, deriv*)
U.S.P., 4 304 856, (*1981*); *CA*, **96**, 120889
Kirst, H.A. *et al*, *J. Antibiot.*, 1982, **35**, 1675 (*props*)
Matsubara, H. *et al*, *Chem. Pharm. Bull.*, 1982, **30**, 97 (*props*)
Okamoto, R. *et al*, *J. Antibiot.*, 1982, **35**, 921 (*isol*)
Tatsuta, K. *et al*, *Tetrahedron Lett.*, 1982, 3375 (*synth*)
Baltz, R.H. *et al*, *J. Antibiot.*, 1983, **36**, 131 (*deriv*)
Kirst, H.A. *et al*, *J. Antibiot.*, 1983, **36**, 376, 1675 (*deriv, props, rev*)
Gray, P.P. *et al*, *Drugs Pharm. Sci.*, 1984, **22**, 743 (*rev*)
Kiyoshima, K. *et al*, *J. Antibiot.*, 1987, **40**, 1123 (*derivs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 13388, 13389.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2706.

Tylosin *D* T-00579

20-Deoxo-20-hydroxytylosin, 9CI. ***Relomycin, 8CI, INN, USAN.*** *LL-AM 684β. Antibiotic LL-AM 684β*

[1404-48-4]

As Tylosin, T-00578 with

R = $-CH_2OH$

$C_{46}H_{79}NO_{17}$ M 918.127
Macrolide antibiotic. Isol. from *Streptomyces hygroscopicus*. Active against gram-positive bacteria and exptl. infections in mice. Mp 172-175°. $[\alpha]_D^{25}$ −44°.

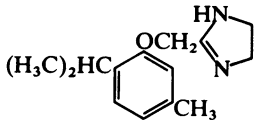
23-Demycinoyl: [80830-17-7]. ***23-Demycinosyltylosin D***.
$C_{38}H_{65}NO_{12}$ M 727.931
From *S. fradiae*. Weakly active against gram-positive bacteria. Cryst. Mp 198-200°. $[\alpha]_D^{25}$ −46.3° (c, 3.3 in MeOH).

Whaley, H.A. *et al*, *Antimicrob. Agents Chemother.*, 1963, 45, 49, 54 (*isol, uv, ir, props*)
Corcoran, J.W. *et al*, *J. Antibiot.*, 1977, **30**, 1012 (*props*)
Ganguly, A.K. *et al*, *J. Chem. Soc., Chem. Commun.*, 1982, 855 (*synth*)
Kirst, H.A. *et al*, *J. Antibiot.*, 1982, **35**, 1675; 1983, **36**, 376.
Seno, E.T. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 758 (*biosynth*)

Tymazoline, BAN T-00580

2-[(Thymyloxy)methyl]-2-imidazoline, 8CI. Pernazene. Thymazen

[24243-97-8]



$C_{14}H_{20}N_2O$ M 232.325
Vasoconstrictor. Nasal decongestant.

B,HCl: [28120-03-8]. Cryst. (H_2O). Mp 223.5-225° (215-217°).

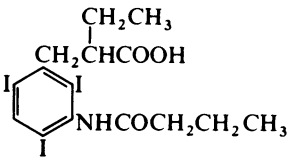
Hydrogen oxalate: Mp 220-223° dec.

Djerassi, C. *et al*, *J. Am. Chem. Soc.*, 1947, **69**, 1688 (*synth*)
Belzecki, C. *et al*, *Acta Polon. Pharm.*, 1960, **17**, 349; *CA*, **55**, 12391b (*synth*)
Pham-Huu-Chanh, *et al*, *Therapie*, 1969, **24**, 797 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2113.

Tyropanoic acid T-00581

α-Ethyl-2,4,6-triiodo-3-[(1-oxobutylamino]-benzenepropanoic acid, 9CI. 3-Butyramido-α-ethyl-2,4,6-triiodohydrocinnamic acid, 8CI

[27293-82-9]



$C_{15}H_{18}I_3NO_3$ M 641.026
Contrast medium for cholecystography. Pale-tan prisms (EtOAc). Mp 182-184°.

Na salt: [7246-21-1]. *Sodium tyropanoate, BAN, INN, JAN. Tyropanoate sodium, USAN. Bilopaque. Lumopaque. Tyropaque. NSC 107434. TO 057. Win 8851-2.* Mp 208-210°.

▷MW5100000.

Hoppe, J.O. *et al*, *J. Med. Chem.*, 1970, **13**, 997 (*synth, uv, pharmacol*)
Magos, E. *et al*, *J. Belge Radiol.*, 1976, **59**, 369 (*use*)
Muhletahler, C.A. *et al*, *Invest. Radiol.*, 1982, **17**, 506 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1586.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2457.

Tyrosylprolylphenylalanylprolinamide, 9CI T-00582

H-Tyr-Pro-Phe-Pro-NH_2

$C_{28}H_{35}N_5O_5$ M 521.615

(1S,2S,3S,4R)-form [84799-23-5]
L-L-L-D-form. ***Deproceptin***
Analgesic.

(1S,2S,3S,4S)-form [74135-04-9]
L-L-L-L-form. ***Morphiceptin***
Analgesic.

Chang, K.J. *et al*, *Science (Washington)*, 1981, **212**, 75 (*synth, pharmacol*)
Zhang, A.-Z. *et al*, *Life Sci.*, 1981, **28**, 2829 (*pharmacol*)
Chang, K.J. *et al*, *J. Pharmacol. Exp. Ther.*, 1983, **227**, 403 (*synth, pharmacol*)
Chang, K.J. *et al*, *NIDA Res. Monogr.*, 1986, **69**, 101 (*rev*)

Tyrothricin, INN, USAN **T-00583**

Bactratycin

[1404-88-2]

Mixt. containing mainly gramicidin and tyrocidine. Prod. by *Bacillus brevis*. Antibacterial agent. Component of Otalgine.

▷YP2975000.

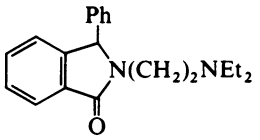
Tréfouël, J. *et al*, *Therapie*, 1956, **11**, 961 (*rev, pharmacol*)
Austrian Pat., 205 169, (*1959*); *CA*, **53**, 20706f (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 176.

U

Ubisindine, BAN, INN **U-00001**

2-[2-(Diethylamino)ethyl]-2,3-dihydro-3-phenyl-1H-isoindol-1-one, 9CI. *2-[(Diethylamino)ethyl]-3-phenylphthalimidine,* 8CI

[26070-78-0]



$C_{20}H_{24}N_2O$ M 308.422

Antitussive, antiarrhythmic agent. Cryst. (pet. ether). Mp 63-64°.

B,H_3PO_4: [26070-68-8]. *Gitan. Bu 232.*

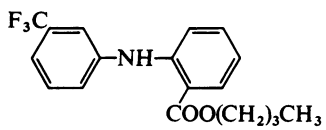
B,HCl: Cryst. (Et_2O). Mp 156-157°.

Ger. Pat., 1 135 461, (*1962*); *CA*, **58**, 1412 (*synth*)
U.S.P., 3 296 276, (*1967*); *CA*, **67**, 73519u (*synth*)
Hanna, C., *Arch. Int. Pharmacodyn. Ther.*, 1970, **185**, 47 (*pharmacol*)

Ufenamate, INN **U-00002**

Butyl 2-[[3-(Trifluoromethyl)phenylamino]benzoate, 9CI. *Butyl* N-(α,α,α-*trifluoro*-m-*tolyl*)*anthranilate. Butyl flufenamate. Combec. Fenazol. Phenasol. HF 264*

[67330-25-0]



$C_{18}H_{18}F_3NO_2$ M 337.341

Antiinflammatory agent. Bp_1 169-170°.

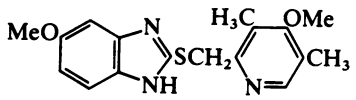
▷DH8511000.

Ger. Pat., 2 754 654, (*1979*); *CA*, **91**, 74346 (*synth, pharmacol*)
Kubo, S. *et al*, *CA*, 1980, **92**, 174371, 174434, 191286; **93**, 125640 (*props*)

Ufiprazole, INN **U-00003**

5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)-methyl]thio]-1H-benzimidazole

[73590-85-9]



$C_{17}H_{19}N_3O_2S$ M 329.416

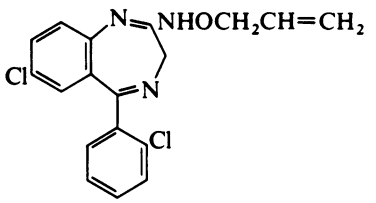
Gastric acid secretion inhibitor. Mp 110-119°. Metab. of Omeprazole, O-00044 .

Eur. Pat., 74 341, (*1983*); *CA*, **99**, 194956 (*synth, pharmacol*)
Amantea, M.A. *et al*, *J. Chromatogr.*, 1988, **426**, 216 (*hplc*)

Uldazepam, USAN, INN **U-00004**

7-Chloro-5-(2-chlorophenyl)-N-(2-propenyloxy)-3H-1,4-benzodiazepin-2-amine, 9CI. *2-[(Allyloxy)amino]-7-chloro-5(*o*-chlorophenyl)-3H-1,4-benzodiazepine,* 8CI. *U 31920*

[28546-58-9]



$C_{18}H_{15}Cl_2N_3O$ M 360.242

Tranquilliser. Mp 130-131°.

Hester, J.B., *J. Med. Chem.*, 1974, **17**, 293 (*synth, pharmacol*)

Ulinastatin, INN **U-00005**

Miracrid

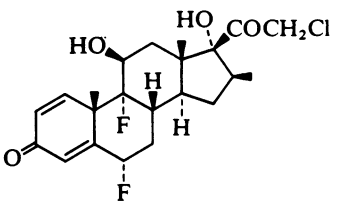
Isol. from human urine. Glycoprotein proteolytic enzyme inhibitor used in acute pancreatitis and in acute circulatory insufficiency.

Kato, K. *et al*, *Nippon Yakurigaku Zasshi*, 1988, **91**, 29; *CA*, **108**, 106109f (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2998.

Ulobetasol, INN **U-00006**

21-Chloro-6,9-difluoro-11,17-dihydroxy-16-methyl-pregna-1,4-diene-3,20-dione, 9CI

[98651-66-2]



$C_{22}H_{27}ClF_2O_4$ M 428.903

Glucocorticoid. Antiinflammatory and antiallergic agent.

17-Propanoyl: [66852-54-8]. ***Ulobetasol propionate.*** $C_{25}H_{31}ClF_2O_5$ M 484.967

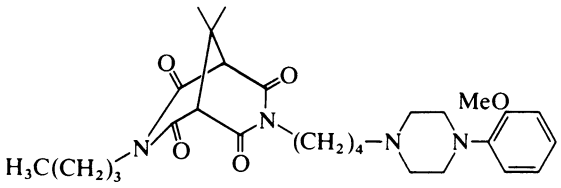
Glucocorticoid. Antiinflammatory and antiallergic agent. Cryst. (CH_2Cl_2/Et_2O). Mp 220-221°.

Ger. Pat., 2 743 069, (*1978*); *CA*, **89**, 43977 (*synth*)

Umespirone, INN **U-00007**

3-Butyl-7-[4-[4-(2-methoxyphenyl)-1-piperazinyl]-butyl]-9,9-dimethyl-3,7-diazabicyclo[3.3.1]nonane-2,4,6,8-tetrone, 9CI

[107736-98-1]



$C_{28}H_{40}N_4O_5$ M 512.648

Central nervous system agent.

Ger. Pat., 3 529 872, (*1987*); *CA*, **106**, 156511k (*synth, pharmacol*)

10-Undecenoic acid **U-00008**

Undecylenic acid, USAN

[112-38-9]

$H_2C{=}CH(CH_2)_8COOH$

$C_{11}H_{20}O_2$ M 184.278

Metab. of *Rhodotorula glutinis* var. *lusitanica*. Formed on pyrol. of ricinoleic acid. Antifungal agent. Simple esters are perfumery and flavour ingredients. Mp 24.5°. Bp 275°, Bp_{15} 165°. Component of Cruex, Desenex, Fulvidex and Ting.

▷YQ2975000.

Me ester: [111-81-9].
$C_{12}H_{22}O_2$ M 198.305
Fp −27.5°. Bp 248°, Bp_{10} 124°.

Et ester: [692-86-4].
$C_{13}H_{24}O_2$ M 212.331
Bp 263.5-265.5°, Bp_{16} 131.5°.

▷YQ2978400.

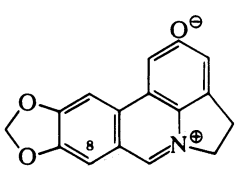
Zn salt: Zinc undecylenate, USAN. Mp 116-121°. Component of Cruex, Desenex and Ting.

Krafft, F. *et al*, *Ber.*, 1884, **17**, 2985 (*synth*)
Osman, S.M. *et al*, *Fette, Seifen, Anstrichm.*, 1975, **77**, 473.
McGrattan, C.J. *et al*, *J. Phycol.*, 1976, **12**, 129.
Gunstone, F.D. *et al*, *Chem. Phys. Lipids*, 1977, **18**, 115 (*cmr*)
Tamao, K. *et al*, *J. Am. Chem. Soc.*, 1978, **100**, 2268 (*synth*)
Dalavoy, V.S. *et al*, *J. Sci. Ind. Res.*, 1981, **40**, 520 (*rev*)
Hunting, A.L.L., *Cosmet. Toiletries*, 1981, **96**, 29 (*rev, uses*)
Brauner, A. *et al*, *Org. Mass Spectrom.*, 1985, **20**, 578 (*ms*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2165.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3012, 3014.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2710.

Ungeremine **U-00009**

Lycobetaine. AT 1840

[2121-12-2]



$C_{16}H_{11}NO_3$ M 265.268

Alkaloid from the leaves of *Ungernia minor* and the fruits of *Crinum asiaticum* (Amaryllidaceae). Has antitumour props. Mp 270-272° dec.

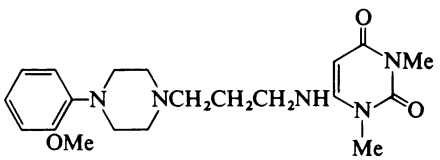
B,HCl: [2121-16-6]. Mp 314-315° dec.
B,HBr: Mp 327-329° dec.
B,HNO_3: [21326-01-2]. Mp 277-281° dec.
Picrate: Mp 280-282° dec.
8-Methoxy: [105708-77-8]. ***Zeflabetaine***.
$C_{17}H_{13}NO_4$ M 295.294
Alkaloid from fresh mature seeds of *Zephyranthes flava* (Amaryllidaceae). Light-brown powder (EtOH).
8-Methoxy; B,HCl: Yellow powder + $1H_2O$. Mp >300°.

Normatov, M. *et al*, *Uzb. Khim. Zh.*, 1965, **9**, 25; *CA*, **63**, 7061f (*struct*)
Allayarov, K. *et al*, *Khim. Prir. Soedin.*, 1970, **6**, 143 (*isol*)
Ru-yun, J., *Drugs of the Future*, 1983, **8**, 118 (*rev*)
Ghosal, S. *et al*, *J. Chem. Res. (S)*, 1986, 112 (*isol, uv, pmr, ms, synth*)
Ghosal, S. *et al*, *Phytochemistry*, 1986, **25**, 1975 (*isol, uv, ir, pmr, ms, struct, Zeflabetaine*)

Urapidil, BAN, INN **U-00010**

6-[[3-[4-(2-Methoxyphenyl)-1-piperazinyl]propyl]-amino]-1,3-dimethyl-2,4(1H,3H)-pyrimidinedione, 9CI.
6-[3-[4-(2-Methoxyphenylpiperazin-1-yl)propyl]-amino]]-1,3-diamethyluracil. Ebrantil

[34661-75-1]



$C_{20}H_{29}N_5O_3$ M 387.481

Antihypertensive agent. Mp 156-158°. pK_a 7.10. LD_{50} in rats 550 mg/kg, p.o.; 145 mg/kg i.v.

▷YQ9862000.

Klemm, W. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1895 (*synth*)
Koenig, J. *et al*, *Arzneim.-Forsch.*, 1977, **27**, 1919 (*tox*)
Eltze, M., *Eur. J. Pharmacol.*, 1979, **59**, 1 (*pharmacol*)
Schoetensack, W. *et al*, *New Drugs Annu.: Cardiovasc. Drugs*, 1983, **1**, 19 (*rev*)
Sturm, E. *et al*, *Biomed. Mass Spectrom.*, 1984, **11**, 211 (*ms, metab*)
Shepherd, A.M.M., *Drugs*, 1988, **35**, 34 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14001.

Urea, 9CI, 8CI, USAN **U-00011**

Carbamide. Ureaphil

[57-13-6]

H_2NCONH_2

CH_4N_2O M 60.055

Constit. of all vertebrate tissues and of many invertebrates. Found esp. in urine. Manuf. on large scale from $NH_3 + CO_2$ at high press. World prodn. 7.2 mt/a in 1970. Fertiliser, cattle feed supplement, also used in manuf. of urea-formaldehyde resins. Forms clathrates (inclusion complexes) with hydrocarbons. This prop. used in petrochemicals industry. Diuretic, dermatic, keratolytic and antiseptic. Tetragonal needles or prisms with faint salty taste (H_2O or EtOH). V. sol. H_2O, sol. MeOH, EtOH, insol. $CHCl_3$, C_6H_6. Mp 132.7° dec. Aq. solns hydrol. v. slowly to ammonium carbamate then to $NH_3 + CO_2$. Weak base. Polymer with formaldehyde (Polynoxylin, BAN, INN) used as a topical antibacterial and antifungal agent.

▷Mod. toxic. YR6250000.

B,HCl: [506-89-8]. Plates or faintly yellow, deliquescent cryst. Sol. H_2O. Mp 145° dec.

N-*Ac:* [591-07-1]. N-*Aminocarbonylacetamide*, 9CI.
$C_3H_6N_2O_2$ M 102.093
Cryst. Mp 215-216°.

N,N'-*Di-Ac:* N,N'-*Carbonylbisacetamide*, 9CI.
$C_5H_8N_2O_3$ M 144.130
Needles (EtOH). Mp 152-153°.

N,N'-*Dibenzoyl:*
$C_{15}H_{12}N_2O_3$ M 268.271
Needles (Me_2CO or EtOH). Mp 215.5-216.5°.

Cpd. with H_2O_2 (1:1): [124-43-6]. ***Carbamide peroxide, USAN.*** Topical antiinfective (dental). Component of Murine.

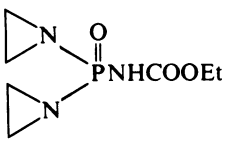
▷YT4850000.

Terss, R.H. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 580 (*deriv*)
Kirk-Othmer Encycl. Chem. Technol., 2nd Ed., 1970, **21**, 37 (*rev, bibl*)
Witanowski, M. *et al*, *Tetrahedron*, 1976, **32**, 2127 (*nmr*)
Swawinathan, S. *et al*, *Acta Crystallogr., Sect. B*, 1984, **40**, 300 (*cryst struct*)
Horsch, W. *et al*, *Pharmazie*, 1985, **40**, 665 (*rev, use, props*)
Fieser, M. *et al*, *Reagents for Organic Synthesis*, Wiley, 1967-84, **2**, 455.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2361.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 16, 216.
Bretherick, L., *Handbook of Reactive Chemical Hazards*, 2nd Ed., Butterworths, London and Boston, 1979, 312.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2713.

Uredepa, USAN, INN U-00012

Ethyl [bis(1-aziridinyl)phosphinyl]carbamate, 9CI, 8CI. *Bis(ethyleneimido)phosphorylurethane. Avinar. Urethimine. AB 100. NSC 37095*

[302-49-8]



$C_7H_{14}N_3O_3P$ M 219.180
Antineoplastic agent, exptl. insect chemosterilant. Cryst. (C_6H_6/cyclohexane). Mp 88-90°. Aq. solns. dec.

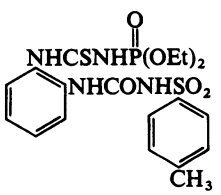
▷EY8800000.

Papanastassiou, Z.B. *et al*, *J. Med. Chem.*, 1962, **5**, 1000 (*synth, ir*)
Gouck, H.K. *et al*, *J. Econ. Entomol.*, 1964, **57**, 663 (*use, props*)
Bardos, T.J. *et al*, *Ann. N.Y. Acad. Sci.*, 1969, **163**, 1006 (*pharmacol*)

Uredofos, BAN, INN, USAN U-00013

[[[2-[[[[(4-Methylphenyl)sulfonyl]amino]carbonyl]-amino]phenyl]amino]thioxomethyl]phosphoramidic acid diethyl ester, 9CI. *Diethyl 3-[2-(3-tosylureido)-phenyl]-2-thioureidophosphonate. Sansalid. RH 565. RH 32565*

[52406-01-6]



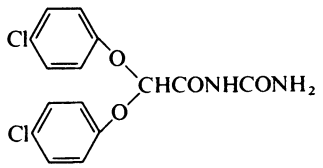
$C_{19}H_{25}N_4O_6PS_2$ M 500.523
Anthelmintic. Mp 168-169° dec.

Ger. Pat., 2 325 036, (*1974*); *CA*, **80**, 95531 (*synth*)
Ger. Pat., 2 346 241, (*1974*); *CA*, **81**, 37407 (*synth*)
Bogan, J.A., *Med. Actual.*, 1977, **13**, 393 (*rev, synth, props*)
Wollweber, H. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 531 (*synth, activity*)

Urefibrate, INN U-00014

N-(*Aminocarbonyl*)-*2,2-bis(4-chlorophenoxy)-acetamide*, 9CI. *Glyoxyloylurea* aldehydo-[*bis*(p-*chlorophenyl*)*acetal*]. *Egyt 1299. M 451*

[38647-79-9]



$C_{15}H_{12}Cl_2N_2O_4$ M 355.177
Hypolipaemic agent.

Fischer, J. *et al*, *Acta Pharm. Hung.*, 1973, **43**, 229 (*synth, pharmacol*)
Fischer, J. *et al*, *Magy. Kem. Foly.*, 1973, **79**, 354 (*synth, pharmacol*)

Urofollitropin, INN, USAN U-00015

Urofollitrophin, BAN. *Metrodin*

[97048-13-0]

Isol. from urine of postmenopausal women. Follicle-stimulating hormone used in the treatment of infertility.

Yano, J. *et al*, *Fertil. Steril.*, 1985, **43**, 799 (*activity*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12013.

Urokinase, 9CI, BAN, INN, USAN U-00016

Abbokinase. Actosolv. Breokinase. Ukidan. Uronase. Win-Kinase. Win 22005

[9039-53-6]

A proteolytic enzyme present in mammalian blood and urine which activates plasminogen to plasmin. Fibrinolytic agent used to treat pulmonary embolism and myocardial infarction.

▷OB8900000.

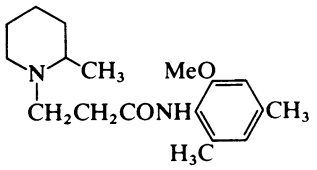
Lesuk, A., *Science*, 1965, **147**, 880.
White, W.F., *Biochemistry*, 1966, **5**, 2160 (*purifn*)
Duckert, F., *Folia Haematol. (Leipzig)*, 1971, **95**, 131 (*rev*)
Morita, T. *et al*, *J. Biochem. (Tokyo)*, 1977, **82**, 1495
Duckert, F., *Handb. Exp. Pharmacol.*, 1978, **46**, 209 (*rev*)
Truebestein, G., Ed., *Urokinase Therapy. European Urokinase Symp. Mainz, 1980*, Schattauer, Stuttgart, 1981 (*book*)
Günzler, W.A. *et al*, *Hoppe-Seylers Z. Physiol. Chem.*, 1982, **363**, 133 (*isol*)
Verde, P. *et al*, *Proc. Natl. Acad. Sci. USA*, 1984, **81**, 4727 (*cloning*)
Verstraete, M. *et al*, *Blood*, 1986, **67**, 1529 (*rev, props*)
Collen, D., *J. Cell Biochem.*, 1987, **33**, 77 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3752.

V

Vadocaine, INN **V-00001**

N-(*2-Methoxy-4,6-dimethylphenyl*)-*2-methyl-1-piperidinepropanamide*, *9CI*. *OR K 242*

[72005-58-4]



$C_{18}H_{28}N_2O_2$ M 304.431

(±)-*form*

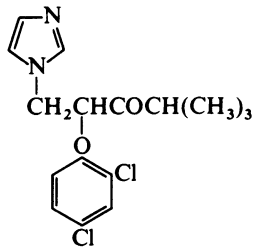
Antitussive, local anaesthetic. Mp 77-78°.

B,HCl: Cryst. (2-propanol/Me_2CO). Mp 192-193°.

Belg. Pat., 873 957, (*1979*); *CA*, **91**, 210925 (*synth, pharmacol*)
Nissinen, E. *et al*, *J. Chromatogr.*, 1983, **278**, 225 (*hplc*)
Mannisto, P.T. *et al*, *Arzneim.-Forsch.*, 1988, **38**, 597 (*pharmacol*)

Valconazole, BAN, INN **V-00002**

2-(2,4-Dichlorophenoxy)-1-(1H-imidazol-1-yl)-4,4-dimethyl-3-pentanone, *9CI*. *Bay f8751*



$C_{16}H_{18}Cl_2N_2O_2$ M 341.236

(−)-*form*

B,HCl: Mp 160-162°. $[\alpha]_D$ −39.4° (c, 0.15 in EtOH).

(±)-*form* [56097-80-4]

Antimycotic drug. Mp 85-87°.

Ger. Pat., 2 348 663, (*1975*); *CA*, **83**, 43336v (*synth, pharmacol*)
Eur. Pat., 4 918, (*1979*); *CA*, **92**, 94399 (*resoln, pharmacol*)

Valethamate(1+) **V-00003**

N,N-*Diethyl*-N-*methyl*-*2*-[(*3-methyl-1-oxo-2-phenylpentyl*)*oxy*]*ethanaminium*, *9CI*. *3-Methyl-2-phenylvalerate, diethyl*(*2-hydroxyethyl*)*methylammonium*, *8CI*

[16376-74-2]

$H_3CCH_2CH(CH_3)CHPhCOOCH_2CH_2N^{\oplus}MeEt_2$

$C_{19}H_{32}NO_2^{\oplus}$ M 306.467 (ion)

Anticholinergic, spasmolytic drug.

Bromide: [90-22-2]. *Valethamate bromide. Barespan. Celvan. Epidosan. Letamate. Spantrin. Valemate. Velamate. Numerous proprietary names.*
$C_{19}H_{32}BrNO_2$ M 386.371
Cryst. (Me_2CO/Et_2O). Mp 118-120°.

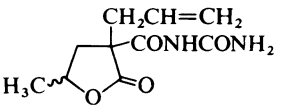
▷BP7600000.

B.P., 748 064, (*1956*); *CA*, **52**, 12912i (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 425.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5519 (*synonyms*)

Valofane, INN **V-00004**

N-(*Aminocarbonyl*)*tetrahydro-5-methyl-2-oxo-3-(2-propenyl)-3-furancarboxamide*, *9CI*. *α-Allophanyl-α-allyl-γ-valerolactone. 2-Allyl-N-carbamoyl-2-(2-hydroxypropyl)malonamic acid γ-lactone. 2-Allyl-2-(2-hydroxypropyl)malonic acid lactone ureide. (3-Allyltetrahydro-5-methyl-2-oxo-3-furoyl)urea. HH 10018*

[3258-51-3]



$C_{10}H_{14}N_2O_4$ M 226.232

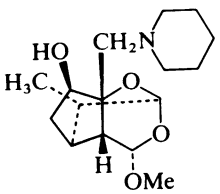
Tautomerises to Proxibarbal, P-00546 *in vivo*. Sedative. Used in treatment of migraine. Mp 135-136°.

Bobranski, B. *et al*, *Rocz. Chem.*, 1963, **37**, 795 (*synth*)
Bobranski, B. *et al*, *Arch. Immunol. Ther. Exp.*, 1965, **13**, 672 (*metab*)
Fr. Pat., 1 494 204, (*1967*); *CA*, **69**, 105949u (*synth*)
Alhadeff, M., *Drugs of Today*, 1976, **12**, 391 (*rev*)
Anulewicz, R., *Pol. J. Chem.*, 1981, **55**, 2129 (*cryst struct*)
Lauterwein, J. *et al*, *Helv. Chim. Acta*, 1984, **67**, 1662 (*cryst struct, metab, bibl*)
Wittekind, H. *et al*, *Helv. Chim. Acta*, 1988, **71**, 1220, 1228 (*tautom*)

Valperinol, INN **V-00005**

Hexahydro-4-methoxy-8-methyl-7a-(1-piperidinylmethyl)-2,5-methanocyclopenta-1,3-dioxin-7-ol, *9CI*. *GA 30-905*

[64860-67-9]



$C_{16}H_{27}NO_4$ M 297.394

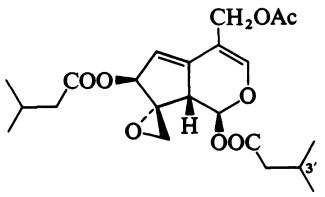
Sedative, antiepileptic, antiparkinsonian agent. Oil.

Ger. Pat., 2 607 106, (*1977*); *CA*, **88**, 6896k (*synth*)
Thies, P.W. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 1460, 1464 (*synth, pharmacol*)

Valtrate V-00006

Valepotriate. Valepotriatum

[18296-44-1]



$C_{22}H_{30}O_8$ M 422.474

Constit. of *Valeriana* spp. Sedative. Oil. $[\alpha]_D^{21}$ +172.7° (MeOH).

▷EK7902000.

3'-Acetoxy: ***Acevaltrate, INN.***

$C_{24}H_{32}O_{10}$ M 480.511

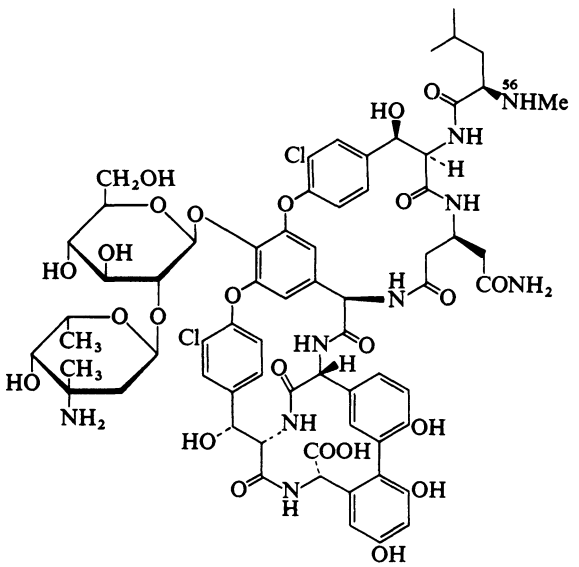
Prod. by *V.* spp. and by *Centranthus ruber.* Hypnotic, sedative.

Thies, P.W. *et al, Tetrahedron*, 1973, **29**, 3213 (*struct*)
Verzar-Petri, G. *et al, Acta Pharm. Hung.*, 1974, **44** (*Suppl.*), 54; *CA*, **81**, 166441s (*biosynth*)
Hoelzl, J., *Planta Med.*, 1975, **28**, 301 (*biosynth*)
Bock, K. *et al, Phytochemistry*, 1978, **17**, 753 (*cmr*)
Tittel, G. *et al, J. Chromatogr.*, 1978, **148**, 459 (*hplc, deriv*)
Schnieder, G. *et al, Arch. Pharm.* (*Weinheim, Ger.*), 1982, **315**, 691 (*pharmacol*)
Khandzhieva, N. *et al, Int. J. Mass Spectrom. Ion Phys.*, 1983, **48**, 181 (*ms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14008.

Vancomycin, BAN, INN V-00007

Vancocin

[1404-90-6]



$C_{66}H_{77}Cl_2N_9O_{24}$ M 1451.286

Glycopeptide antibiotic. From a strain of *Streptomyces orientalis.* Active against gram-positive bacteria.

▷YW4375000.

B,HCl: [1404-93-9]. *Vancomycin hydrochloride, JAN.* Amorph. solid.

▷YW4380000.

N^{56}*-De-Me:* [91700-98-0]. ***56-Demethylvancomycin, 9CI.*** *Antibiotic A 51568A. A 51568A.*

$C_{65}H_{75}Cl_2N_9O_{24}$ M 1437.259

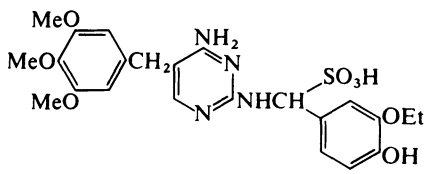
Isol. from *Nocardia orientalis.* Active against gram-positive bacteria. $[\alpha]_D^{25}$ −20.4° (c, 1 in H_2O).

Higgins, H. *et al, Antibiot. Annu.*, 1957-8, 906 (*isol*)
Williams, D.H. *et al, J. Am. Chem. Soc.*, 1977, **99**, 2768 (*nmr*)
Sheldrick, G.M. *et al, Nature* (*London*), 1978, **273**, 223 (*cryst struct*)
Bongini, A. *et al, J. Chem. Soc., Perkin Trans. 2*, 1981, 201 (*nmr*)
Hammond, S.J. *et al, J. Chem. Soc., Chem. Commun.*, 1982, 344 (*biosynth*)
Harris, C.M. *et al, J. Am. Chem. Soc.*, 1982, **104**, 4293; 1983, **105**, 6915 (*struct*)
Perkins, H.R., *Pharmacol. Ther.*, 1982, **16**, 181 (*rev, pharmacol*)
Boeck, L.D. *et al, J. Antibiot.*, 1984, **37**, 446 (*isol, deriv, props*)
Hunt, A.H. *et al, J. Antibiot.*, 1984, **37**, 917 (*isol, deriv, props*)
Watanakunakorn, C., *J. Antimicrob. Chemother.*, 1984, **14**, 7 (*rev*)
Cheung, R.P.F. *et al, Pharmacotherapy* (*Carlisle, Mass.*), 1986, **6**, 153 (*rev, pharmacol*)
Levine, J.F., *Med. Clin. North Am.*, 1987, **71**, 1135 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 177.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2720.

Vaneprim, INN V-00008

α-[[4-Amino-5-[(3,4,5-trimethoxyphenyl)methyl]-2-pyrimidinyl]amino]-3-ethoxy-4-hydroxybenzenemethanesulfonic acid, 9CI. α-[[4-Amino-5-(3,4,5-trimethoxybenzyl)-2-pyrimidinyl]amino]-3-ethoxy-4-hydroxy-α-toluenesulfonic acid. MD 102

[84854-86-4]



$C_{23}H_{28}N_4O_8S$ M 520.556

(±)-form [81523-49-1]

Antibacterial agent. Mp 145°.

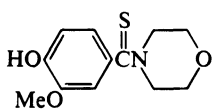
Na salt: Mp 170°.

Eur. Pat., 61 397, (*1982*); *CA*, **98**, 107313e (*synth, pharmacol*)

Vanitiolide, INN V-00009

4-[(4-Hydroxy-3-methoxyphenyl)thioxomethyl]-morpholine, 9CI. 4-(Thiovanilloyl)morpholine, 8CI. 4-(Morpholinothiocarbonyl)guiacol. Bildux

[17692-71-6]



$C_{12}H_{15}NO_3S$ M 253.315

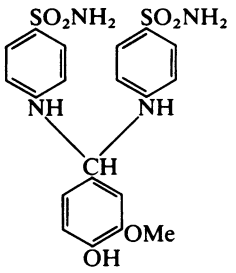
Choleretic agent. No phys. props. reported.

Chabrier, P. *et al, Bull. Soc. Chim. Fr.*, 1950, 1167 (*synth*)
Grandgeorge, M. *et al, Therapie*, 1973, **28**, 1013 (*pharmacol*)
Japan Pat., 81 12 316, (*1981*); *CA*, **94**, 168052 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 3754.

Vanyldisulfamide, INN V-00010

4,4'-[[(4-Hydroxy-3-methoxyphenyl)methylene]-diimino]bis[benzenesulfonamide], 9CI. $N^4,N^{4'}$*-Vanillylidenebissulfanilamide, 8CI. Argolamide active substance. Vanyldisulfanilamide*

[119-85-7]



$C_{20}H_{22}N_4O_6S_2$ M 478.537

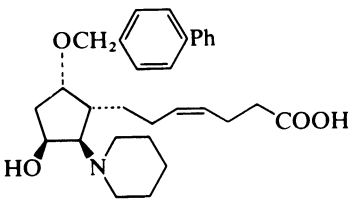
Antibacterial agent.

Mercier, F. *et al*, *J. Physiol. (Paris)*, 1956, **48**, 643; *CA*, **51**, 1459g (*pharmacol*)

Vapiprost, INN V-00011

7-[5-[(1,1'-Biphenyl)-4-ylmethoxy]-3-hydroxy-2-(1-piperidinyl)cyclopentyl]-4-heptenoic acid, 9CI

[85505-64-2]



$C_{30}H_{39}NO_4$ M 477.642

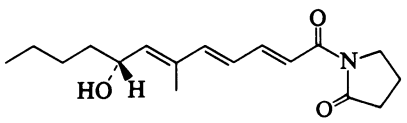
Platelet aggregation inhibitor, bronchodilator.

B.P., 2 167 403, (*1986*); *CA*, **106**, 18235x

Variotin V-00012

1-(8-Hydroxy-6-methyl-2,4,6-dodecatrienoyl)-2-pyrrolidinone, 8CI. ***Pecilocin, BAN, INN.*** *Leofungine. Supral*

[19504-77-9]



$C_{17}H_{25}NO_3$ M 291.389

Isol. from *Paecilomyces varioti* var. *antibioticus*. Antifungal antibiotic. Hygroscopic needles + $1H_2O$ (Et_2O/pet. ether). Mp 41.5-42.5°. $[\alpha]_D^{28}$ −5.68° (MeOH). Unstable, v. air-sensitive.

▷UY5777000.

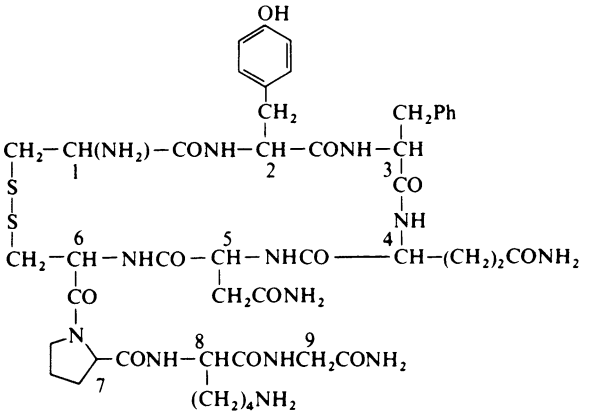
Takeuchi, S. *et al*, *J. Antibiot.*, 1969, **22**, 179 (*pmr, struct*)

Sakakibara, M. *et al*, *Agric. Biol. Chem.*, 1973, **37**, 911 (*ir, uv, ms, nmr, synth*)

Ishida, A. *et al*, *Bull. Chem. Soc. Jpn.*, 1978, **51**, 2077 (*synth, ir, uv, ms, nmr*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2598.

Vasopressins V-00013



8-L-Lysine vasopressin [50-57-7]

Vasopressin. 8-Lysine-3-phenylalanyloxytocin. Pitressin. ***Lypressin, BAN, USAN, INN.*** *Diapid. Insipidin. Numerous proprietary names*

$C_{47}H_{65}N_{13}O_{12}$ M 1004.110

Obt. from posterior lobe of mammalian pituitaries. Peptide; displays antidiuretic effect. Amorph. $[\alpha]_D^{26}$ −47.5°. Many hundred analogues have been synthesised and tested. Analogues more active than the parent are listed here.

▷YW8659000.

Deamino[Dab^8*]vasopressin:*
Hydroxy[Val^4*,-D-Arg*^{7}*]vasopressin:*
Deamino[Thr^4*,D-Arg*^{8}*]vasopressin:*
Deamino[Asn^4*,D-Arg*^{8}*]vasopressin:*
Hydroxy[D-Arg^8*]vasopressin:*
Deamino[Val^4*,D-homoarginyl*^{8}*]vasopressin:*
Deamino[Val^4*,D-homolysyl*^{8}*]vasopressin:*

8-L-Arginine vasopressin [113-79-1]

Argipressin, BAN, INN. *Arginine vasopressin*

$C_{46}H_{65}N_{15}O_{12}S_2$ M 1084.233

Vasopressor hormone from posterior lobe of pituitary glands of cattle. Peptide; has antidiuretic activity. Amorph. $[\alpha]_D^{25}$ −22.2° (1N AcOH). Many analogues have been synthesised. Listed below are analogues more potent than the parent. Used as tannate (Argipressin tannate, USAN).

Deamino[Phe^2*,Δ*^{3}*-Pro*^{7}*]arginine vasopressin:*
Deamino[Δ^3*-Pro*^{7}*]arginine vasopressin:*
[Δ-Pro^7*]arginine vasopressin:*
Hydroxyarginine vasopressin:

Ile*^{3}*-Arginine vasopressin [113-80-4]

Arginine vasotocin. Arg^8*-Oxytocin. 8-Arginineoxytocin.* ***Argiprestocin, INN***

$C_{43}H_{67}N_{15}O_{12}S_2$ M 1050.216

Native neurohypophyseal hormone of many nonmammalian invertebrates. Peptide, oxytocic agent, vasoconstrictor. More active derivs. include analogues listed below.

▷RS7534500.

Deamino[Leu^4*,D-Arg*^{8}*]vasotocin:*
[Leu^4*,D-Arg*^{8}*]vasotocin:*

8-L-Ornithinevasopressin [3397-23-7]

Ornipressin, INN. *POR 8*

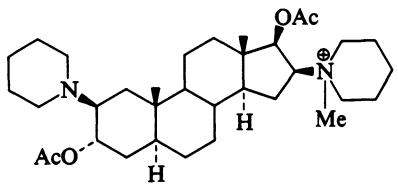
$C_{45}H_{63}N_{13}O_{12}S_2$ M 1042.193

Antihaemorrhagic agent, vasoconstrictor.

du Vignaeud, V., *Experientia*, 1955, **11**, 9; *J. Am. Chem. Soc.*, 1957, **59**, 5572 (*struct*)
Huguenin, R.L. *et al*, *Helv. Chim. Acta*, 1962, **45**, 1629; *Experientia*, 1962, **18**, 444.
Huguenin, R.L. *et al*, *Helv. Chim. Acta*, 1963, **46**, 1669 (*synth, pharmacol, Ornipressin*)
Bodanszky, M. *et al*, *J. Am. Chem. Soc.*, 1964, **86**, 4452 (*isol*)
Schally, A.V. *et al*, *Arch. Biochem. Biophys.*, 1964, **107**, 332 (*isol*)
Meienhofer, J. *et al*, *J. Am. Chem. Soc.*, 1968, **90**, 2996; *Proc. Natl. Acad. Sci. U.S.A.*, 1971, **68**, 1195 (*synth*)
Manning, M. *et al*, *J. Med. Chem.*, 1973, **16**, 463; 1977, **20**, 1173; 1976, **19**, 842.
Surovec, D. *et al*, *Experientia*, 1974, **30**, 250 (*pharmacol*)
Larsson, L.E. *et al*, *Int. J. Pept. Protein Res.*, 1976, **8**, 39 (*synth*)
Zaoral, M. *et al*, *Collect. Czech. Chem. Commun.*, 1976, **41**, 2088; 1977, **42**, 3500; *Endocrinol. Exp.*, 1976, **10**, 183.
Smith, C.W. *et al*, *Science*, 1978, **199**, 297.
Manning, M. *et al*, in *Amino Acids, Peptides and Proteins* (*Sheppard, R.C., Ed.*), The Chemical Society, London, 1979, **10**, 418 (*rev*)
Forsling, M., *Anti-Diuret Hormone*, Eden Press, Montreal, Que., 1982 (*book*)
Hagler, A.T. *et al*, *Science*, 1985, **227**, 1309 (*conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5934, 5948, 5949.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8276 (*synonyms*)

Vecuronium (1+) V-00014

1-[3,17-Bis(acetyloxy)-2-(1-piperidinyl)androstan-16-yl]-1-methylpiperidinium(1+), *9CI*



$C_{34}H_{57}N_2O_4^{\oplus}$ M 557.835 (ion)

Myoneural, non-depolarising blocking agent.

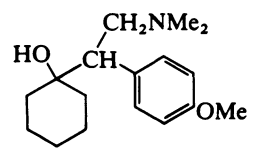
Bromide: [50700-72-6]. *Vecuronium bromide*, *BAN, USAN, INN. Norcuron. Org NC 45.*
$C_{34}H_{57}BrN_2O_4$ M 637.739
Mp 227-229°.

▷Highly toxic, LD_{50} 0.061 mg/kg, i.v., in mice.
TN4875000.

Buckett, W.R. *et al*, *J. Med. Chem.*, 1973, **16**, 1116 (*synth, tox, pharmacol*)
Agoston, S. *et al*, (*Ed.*), *Current Clinical Practice Series*, Excerpta Medica, Amsterdam, 1983, 11 (*book*)
Hilgenberg, J.C., *Anesth. Analg.* (*N.Y.*), 1983, **62**, 524 (*rev*)
Baird, W.L.M. *et al*, *Clin. Anaesthesiol.*, 1985, **3**, 347 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14012.

Venlafaxine, INN, BAN, USAN V-00015

1-[2-(Dimethylamino)-1-(4-methoxyphenyl)ethyl]-cyclohexanol, *9CI*



$C_{17}H_{27}NO_2$ M 277.406

(±)-***form*** [93413-69-5]

Antidepressant.

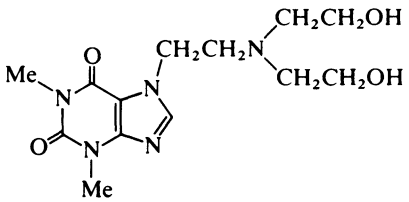
B,HCl: [99300-78-4]. *Wy 45030.* Mp 215-217°.

Eur. Pat., 112 669, (*1984*); *CA*, **102**, 5895e (*pmr, synth, pharmacol*)
Muth, E.A. *et al*, *Biochem. Pharmacol.*, 1986, **35**, 4493 (*pharmacol*)
Fabre, L.F. *et al*, *Curr. Ther. Res.*, 1987, **42**, 901 (*pharmacol*)

Vephylline V-00016

7-[2-[Bis(2-hydroxyethyl)amino]ethyl]-3,7-dihydro-1,3-dimethyl-1H-purine-2,6-dione, *9CI. 7-[β-(β,β'-Dihydroxydiethyl)aminoethyl]theophylline. Vephilin. Vefilin. G 112*

[38285-26-6]



$C_{13}H_{21}N_5O_4$ M 311.340

Bronchodilator, diuretic.

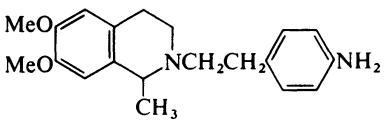
B,HCl: [65881-57-4]. Needles (EtOH/Et_2O). Mp 180-182°.

Ride, S.M. *et al*, *Pharmazie*, 1977, **32**, 672 (*synth*)
Gagauzov, I. *et al*, *Farmatsiya* (*Sofia*), 1979, **29**, 1 (*synth, pharmacol*)
Tencheva, Y. *et al*, *J. Chromatogr.*, 1986, **380**, 206 (*hplc*)

Veradoline, INN V-00017

4-[2-(3,4-Dihydro-6,7-dimethoxy-1-methyl-2(1H)-isoquinolinyl)ethyl]benzenamine, *9CI. 2-(p-Aminophenethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-methylisoquinoline*

[79201-80-2]



$C_{20}H_{26}N_2O_2$ M 326.438

(±)-***form***

Analgesic. Cryst. (cyclohexane). Mp 102-103°.

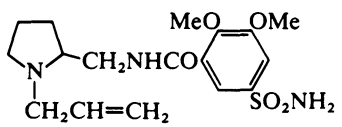
B,2HCl: [76448-47-0]. *Veradoline hydrochloride*, *USAN. PR 870-714A.*

Eur. Pat., 51 190, (*1980*); *CA*, **97**, 127518

Veralipride, INN V-00018

5-(Aminosulfonyl)-2,3-dimethoxy-N-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]benzamide, *9CI. N-[(1-Allyl-2-pyrrolidinyl)methyl]-2,3-dimethoxy-5-sulfamoylbenzamide. Agradil. Agreal. Faltium. LIR 1660. Veralipral*

[66644-81-3]



$C_{17}H_{25}N_3O_5S$ M 383.462

(±)-***form***

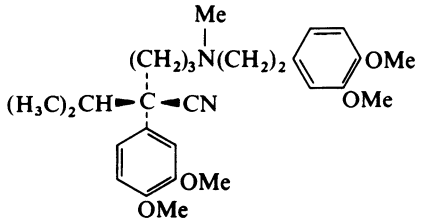
Dopamine antagonist. Used in treatment of menopausal syndromes. Cryst. (EtOAc). Mp 117-118°. Exists in 5 allotrophic forms with Mp's ranging from 96-129°. Opt. isomers also known.

B.P., 1 539 319, (*1979*); *CA*, **89**, 30768m (*synth*)
Neuman, M., *Drugs of Today*, 1981, **17**, 96 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17026.

Verapamil, BAN, USAN, INN, JAN **V-00019**

α-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]-propyl]-3,4-dimethoxy-α-(1-methylethyl)-benzeneacetonitrile, 9CI. *2-[3,4-Dimethoxyphenyl]-5-[N-homoveratryl-N-methylamino]-2-isopropylvaleronitrile. Isoptin. Numerous proprietary names*

[52-53-9]



$C_{27}H_{38}N_2O_4$ M 454.608

▷YV8300000.

(R)-form

Oil. $[\alpha]_D^{25}$ +27.2° (c, 1 in C_6H_6).

B,HCl: Cryst. (2-propanol). Mp 134-136°. $[\alpha]_D^{25}$ +8.8° (c, 5 in EtOH).

Oxalate: Cryst. (THF). Mp 122-124°. $[\alpha]_D^{25}$ +14.6° (c, 1 in EtOH).

(±)-form

Coronary vasodilator. Viscous, pale-yellow oil. Freely sol. lower alcs, Me_2CO, EtOAc, $CHCl_3$, spar. sol. C_6H_6, Et_2O, hexane, prac. insol. H_2O. $Bp_{0.01}$ 243-246°.

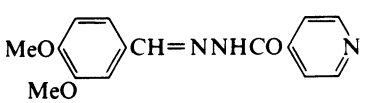
B,HCl: [23313-68-0]. *Verapamil hydrochloride,* USAN. *Cordilox. Calan. Isoptin.* Cryst. Fairly sol. H_2O, spar. sol. $CHCl_3$, sol. most org. solvs. Mp 138.5-140.5° dec.

Knoll, A.G., *Angew. Chem., Int. Ed. Engl.*, 1964, **3**, 68 (*synth, pharmacol*)
Ramuz, H., *Helv. Chim. Acta*, 1975, **58**, 2050 (*synth, ir, ms, pmr, abs config*)
Ger. Pat., 2 631 222, (*1978*); *CA*, **88**, 169796 (*synth*)
Baky, S.H. *et al, Pharmacol. Biochem. Prop. Drug Subst.*, 1981, **3**, 226 (*rev, pharmacol*)
Guerrero, J.R. *et al, Med. Res. Rev.*, 1984, **4**, 87 (*rev*)
Carpy, A. *et al, Acta Crystallogr., Sect. C*, 1985, **41**, 624 (*cryst struct*)
Echizen, H. *et al, Clin. Pharmacokinet.*, 1986, **11**, 425 (*rev*)
Larangh, J.H., Ed., *Am. J. Cardiol.*, 1986, **57**, Part 7 (*book*)
Theodore, L.J. *et al, J. Org. Chem.*, 1987, **52**, 1309 (*synth*)
Chang, Z.L., *Anal. Profiles Drug Subst.*, 1988, **17**, 643 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7794.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7585.

Verazide, BAN, INN **V-00020**

4-Pyridinecarboxylic acid [(3,4-dimethoxyphenyl)-methylene]hydrazide, 9CI. *2′-Veratrylidineisonicotinohydrazide,* 8CI. *N-Isonicotinoyl-N′-veratrylidenehydrazine. Veratrylidenisoniazid. Isoverazide. Nicotazide. Verazina*

[93-47-0]



$C_{15}H_{15}N_3O_3$ M 285.302

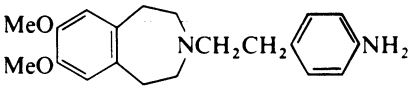
Used in treatment of tuberculosis. Cryst. (2-propanol). Mp 189-190°.

Fox, H.H. *et al, J. Org. Chem.*, 1953, **18**, 933 (*synth*)
Rubbo, S.D. *et al, Nature (London)*, 1955, **176**, 887 (*pharmacol*)

Verilopam, INN **V-00021**

4-[2-(1,2,4,5-Tetrahydro-7,8-dimethoxy-3H-3-benzazepin-3-yl)ethyl)]benzenamine, 9CI

[68318-20-7]



$C_{20}H_{26}N_2O_2$ M 326.438

Analgesic. Cryst. Mp 161-163.5°.

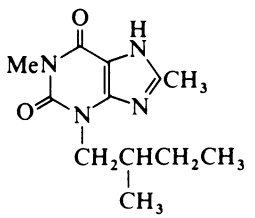
B,2HCl: [67394-31-4]. *Verilopam hydrochloride,* USAN. *PR 0808-156A.* Cryst. (MeOH/2-propanol). Mp 235° dec.

B.P., 2 037 278, (*1980*); *CA*, **93**, 186198u (*synth*)

Verofylline, USAN, INN **V-00022**

3,7-Dihydro-1,8-dimethyl-3-(2-methylbutyl)-1H-purine-2,6-dione, 9CI. *CK 0383*

[66172-75-6]



$C_{12}H_{18}N_4O_2$ M 250.300

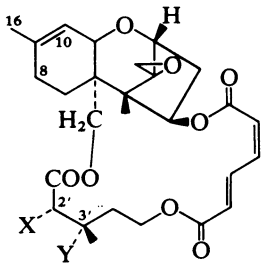
Bronchodilator, antiasthmatic drug. Mp 189-191°.

B.P., 1 561 005, (*1977*); *CA*, **88**, 22948t (*synth, pharmacol*)

Verrucarin *A*, 9CI **V-00023**

Muconomycin A. *VER-A. 397* Y

[3148-09-2]



X = OH, Y = H

$C_{27}H_{34}O_9$ M 502.560

CA numbering shown. Trichothecene antibiotic. From *Myrothecium verrucaria.* Inhibitor of protein synth. in fungi. Cryst. Mp >330°. $[\alpha]_D$ +260° ($CHCl_3$), +208° (dioxan). λ_{max} 260 nm (EtOH).

▷WH1316810.

O-Ac: Needles (Me_2CO/Et_2O). Mp 212-215°. $[\alpha]_D^{23}$ +132.5° (c, 1.18 in $CHCl_3$).

2′,3′-Didehydro: ***Dehydroverrucarin* A.**

$C_{27}H_{32}O_9$ M 500.544

Isol. from *M. roridum.* Shows similar activity to that of Verrucarin *A*. Needles (Me_2CO/Et_2O). Mp 233-240°. $[\alpha]_D^{25}$ +118° ($CHCl_3$).

9,10-Epoxy-16-hydroxy: [87532-32-9]. *9,10-Epoxy-16-hydroxyverrucarin* A.

$C_{27}H_{34}O_{11}$ M 534.559

Semisynthetic. Antileukaemic agent. Mp 294-298°.

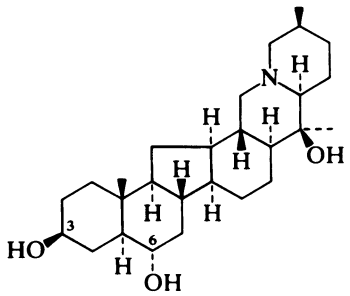
8-Hydroxy: [74608-63-2]. *8-Hydroxyverrucarin* A.
$C_{27}H_{34}O_{10}$ M 518.560
Semisynthetic. Antileukaemic agent. Cryst. (Me_2CO/hexane). Mp >300°. $[\alpha]_D^{25}$ +229° (c, 1.37 in MeOH).

16-Hydroxy: [74516-64-6]. *16-Hydroxyverrucarin* A.
$C_{27}H_{34}O_{10}$ M 518.560
Semisynthetic. Antileukaemic agent. Cryst. (Me_2CO/hexane). Mp >300°. $[\alpha]_D^{25}$ +169° (c, 1.65 in MeOH).

Tamm, Ch. *et al*, *Helv. Chim. Acta*, 1962, **45**, 1726; 1963, **46**, 1786.
McPhail, A.T. *et al*, *J. Chem. Soc. (C)*, 1966, 1394 (*cryst struct*)
Zurcher, W. *et al*, *Helv. Chim. Acta*, 1966, **49**, 2594 (*isol, deriv*)
Breitenstein, W. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1172 (*nmr*)
Müller, B. *et al*, *Helv. Chim. Acta*, 1975, **58**, 453, 471 (*biosynth*)
Jarvis, B.B. *et al*, *J. Med. Chem.*, 1980, **23**, 1054; 1984, **27**, 239 (*derivs*)
Still, W.C. *et al*, *J. Org. Chem.*, 1981, **46**, 5242 (*synth*)
Mohr, P. *et al*, *Helv. Chim. Acta*, 1982, **65**, 1412 (*synth*)
McDougal, P.G., *Diss. Abstr. Int. B*, 1983, **43**, 3245 (*synth*)
Kemppainen, B.W. *et al*, *Food Chem. Toxicol.*, 1987, **25**, 379 (*toxicol*)
Cole, R.J. *et al*, *Handbook of Toxic Fungal Metabolites*, Academic Press, N.Y. 1981, 247.

Verticine V-00024

(3β,5α,6α)-Cevane-3,6,20-triol, 9CI. Peimine
[23496-41-5]



$C_{27}H_{45}NO_3$ M 431.657
Alkaloid from *Fritillaria roylei*; main alkaloid of *F. verticillata* var. *thunbergii* (Liliaceae). Mp 223-224°. $[\alpha]_D^{16}$ −19.4° (EtOH). May be identical with Apoverticine.

B, HCl: Mp 310-312° dec. (291-294° dec.). $[\alpha]_D^{14}$ −18.5° (H_2O).

B, MeI: Mp 205-210° dec. $[\alpha]_D^{18}$ −14° (H_2O).

O^3-*β-D-Glucopyranoside:* ***Peiminoside***.
$C_{33}H_{55}NO_8$ M 593.799
Alkaloid from *F. verticillata* var. *thunbergii* (Liliaceae). Noncryst.

O^3-*β-D-Glucopyranoside, penta-Ac:* Mp 195°. $[\alpha]_D^{20}$ −36° (c, 0.5 in EtOH).

6-Ketone: [18059-10-4]. ***Verticinone***. *Fritillarine. Peiminine.*
$C_{27}H_{43}NO_3$ M 429.642
Alkaloid from bulbs of *F. thunbergii* and from *F. verticillata* and *F. roylei* (Liliaceae). Mp 212-213°. $[\alpha]_D$ −58.3° (EtOH), $[\alpha]_D^{13}$ −54.5° ($CHCl_3$).

N-*Oxide (β-):* [77410-34-5]. ***Verticine N-oxide***. *Alkaloid* F-*3*.
$C_{27}H_{45}NO_4$ M 447.657
Isol. from the crude drug "Bai-mo" (sun-bleached lime-treated bulbs of *F. thunbergii*) (Liliaceae). Needles (EtOAc/hexane). Mp 283-288° dec. $[\alpha]_D$ +8.4° (c, 1.9 in MeOH).

6-Ketone, N-*oxide (β-):* [62565-72-4]. ***Verticinone N-oxide***. *Alkaloid* F-*4*.
$C_{27}H_{43}NO_4$ M 445.641
Isol. from "Bai-mo" (*F. thunbergii*) (Liliaceae). Prisms (EtOAc/hexane). Mp 283-285° dec. $[\alpha]_D$ −54.5° (c, 1.8 in MeOH).

3-Epimer: [74184-79-5]. ***Isobaimonidine***.
$C_{27}H_{45}NO_3$ M 431.657
Minor alkaloid from *F. imperialis* (Liliaceae). Cryst. (Me_2CO/$CHCl_3$). Mp 238-239°. $[\alpha]_D^{22}$ −12° (c, 0.5 in $CHCl_3$), $[\alpha]_D$ −59.2° (c, 0.25 in $CHCl_3$).

6-Epimer: [23496-43-7]. ***Isoverticine***.
$C_{27}H_{45}NO_3$ M 431.657
Alkaloids from *F. verticillata* (Liliaceae). Mp 135-137°. $[\alpha]_D$ −45.0° (c, 1 in $CHCl_3$).

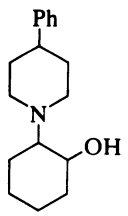
22-Epimer: ***Wanpeinine*** A.
$C_{27}H_{45}NO_3$ M 431.657
Alkaloid from the Chinese drug Wan Bei Mu (bulbs of *F. anhuiensis*) (Liliaceae).

3,6-Diepimer: [73650-52-9]. ***Baimonidine***.
$C_{27}H_{45}NO_3$ M 431.657
Alkaloid from *F. verticillata* (Liliaceae). Mp 179-181.5°. $[\alpha]_D$ −36.4° (c, 1 in $CHCl_3$).

Morimoto, H. *et al*, *Chem. Pharm. Bull.*, 1960, **8**, 302 (*Peiminoside*)
Ito, S. *et al*, *Chem. Pharm. Bull.*; 1961, **9**, 253; 1963, **11**, 1337 (*pmr, struct*)
Ito, S. *et al*, *Tetrahedron Lett.*, 1968, 5373 (*cryst struct*)
Kutney, J.P. *et al*, *J. Am. Chem. Soc.*, 1977, **99**, 964 (*synth*)
Kaneko, K. *et al*, *Tetrahedron Lett.*, 1979, 3737 (*cmr, Baimonidine, Isoverticine*)
Kaneko, K. *et al*, *Chem. Pharm. Bull.*, 1980, **28**, 1345 (*Isobaimonidine*)
Kitajima, J. *et al*, *Heterocycles*, 1981, **15**, 791 (*isol, derivs*)
Mašterová, I. *et al*, *Arch. Pharm. (Weinheim, Ger.)*, 1982, **315**, 157 (*Isobaimonidine*)
Kettmann, V., *Acta Crystallogr., Sect. B*, 1982, **38**, 978; 1985, **41**, 392 (*cryst struct, Verticinone, Isobaimonidine*)
Li, Q. *et al*, *Yaoxue Xuebao*, 1986, **21**, 767; *CA*, **106**, 135231d (*Wanpeinine A*)

Vesamicol V-00025

2-(4-Phenylpiperidino)cyclohexanol. 2-(4-Phenyl-1-piperidinyl)cyclohexanol, 9CI. AH 5183
[22232-64-0]



$C_{17}H_{25}NO$ M 259.391

(−)-***form***
Pharmacol. active isomer. Potent inhibitor of acetylcholine storage.

B,HCl: Mp 242-243°. $[\alpha]_D^{25}$ −23.2° (c, 1 in EtOH).

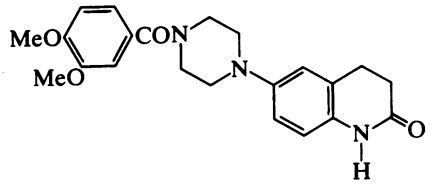
(±)-***form***
B,HCl: Mp 237-238°.

Marien, M.R. *et al*, *Proc. Natl. Acad. Sci. USA*, 1987, **84**, 876.
Marshall, I.G. *et al*, *Trends Neurosci.*, 1987, **10**, 174 (*rev*)
Parsons, S.M. *et al*, *Ann. N.Y. Acad. Sci.*, 1987, **493**, 220 (*rev*)
Rogers, G.A. *et al*, *Cell. Mol. Basis Cholinergic Funct.*, 1987, 333 (*rev*)
Estrella, D. *et al*, *Br. J. Pharmacol.*, 1988, **93**, 759 (*pharmacol*)

Vesnarinone, INN V-00026

1-(3,4-Dimethoxybenzoyl)-4-(1,2,3,4-tetrahydro-2-oxo-6-quinolinyl)piperazine, 9CI. OPC 8212

[81840-15-5]



$C_{22}H_{25}N_3O_4$ M 395.457

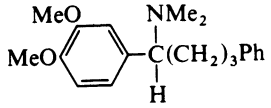
Coronary vasodilator. Positive inotropic agent. Cryst. (EtOH/$CHCl_3$). Mp 238-239.5°.

Shimizu, T. *et al*, *Arzneim.-Forsch.*, 1984, **34**, 334 (*synth, uv, ir, pmr, ms, hplc, cryst struct, pharmacol, numerous papers*)
Miyamoto, G. *et al*, *J. Chromatogr.*, 1985, **338**, 450 (*hplc*)
Tominaga, M. *et al*, *Chem. Pharm. Bull.*, 1985, **32**, 2100 (*synth*)

Vetrabutine, BAN, INN V-00027

α-(3,4-Dimethoxyphenyl)-N,N-dimethylbenzenebutanamine, 9CI. N,N-Dimethyl-α-(3-phenylpropyl)veratrylamine, 8CI. Dimephebumine. Profenveramine. Revatrine

[3735-45-3]



$C_{20}H_{27}NO_2$ M 313.439

(±)-form

Uterine relaxant. $Bp_{0.1}$ 166-168°.

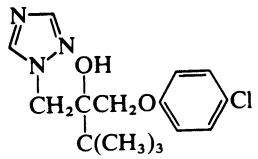
B,HCl: Monzal. Monzaldon. Sp 281. Mp 146-148°.

U.S.P., 3 133 967, (*1964*); *CA*, **61**, 9436g (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12663.

Vibunazole V-00028

α-[(4-Chlorophenoxy)methyl]-α-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol, 9CI. Bay n 7133

[80456-55-9]



$C_{15}H_{20}ClN_3O_2$ M 309.795

(±)-form

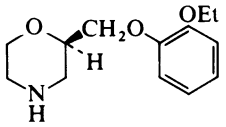
Antifungal, antiviral agent. Mp 84-87°.

Ger. Pat., 3 018 865, (*1981*); *CA*, **96**, 62979 (*synth*)
Ger. Pat., 3 238 903, (*1984*); *CA*, **101**, 83981 (*synth*)
Hoeprich, P.D. *et al*, *Antimicrob. Agents Chemother.*, 1984, **25**, 339 (*pharmacol*)
Fasching, C.E. *et al*, *Antimicrob. Agents Chemother.*, 1984, **25**, 596 (*pharmacol*)
Ritter, W. *et al*, *J. Antimicrob. Pharmacol.*, 1984, **14**, 243 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1450.

Viloxazine, BAN, INN V-00029

2-[(2-Ethoxyphenoxy)methyl]morpholine, 9CI. ICI 58834

[46817-91-8]



(R)-form
Absolute configuration

$C_{13}H_{19}NO_3$ M 237.298

▷QE3940000.

(R)-form [52730-45-7]

Oil.

(S)-form [52730-46-8]

Oil.

(±)-form

Psychotropic agent, antidepressant.

B,HCl: [35604-67-2]. *Viloxazine hydrochloride, USAN. Emovit. Vicilan. Viloksan. Vivalen. Vivarint.* Mp 185-186°.

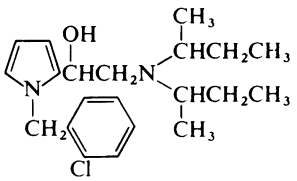
▷QE3950000.

Mallion, K.B. *et al*, *Nature (London)*, 1972, **238**, 157 (*synth, pharmacol*)
Lowe, R. *et al*, *J. Med. Chem.*, 1976, **19**, 1074 (*synth, pharmacol*)
Pinder, R.M. *et al*, *Drugs*, 1977, **13**, 401 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2540.

Viminol, INN V-00030

α-[[Bis(1-methylpropyl)amino]methyl]-1-[(2-chlorophenyl)methyl]-1H-pyrrole-2-methanol, 9CI. 1-(o-Chlorobenzyl)-α-[(di-sec-butylamino)methyl]-pyrrole-2-methanol, 8CI. Dividol. Diviminol. Lenigesial. Z 424

[21363-18-8]



$C_{21}H_{31}ClN_2O$ M 362.942

Several stereoisomers have been characterised. Analgesic, antipyretic, antitussive. $Bp_{0.1}$ 160-165°.

▷UX9635500.

4-Hydroxybenzoate (salt): [23784-10-3]. Mp 128-130° dec.

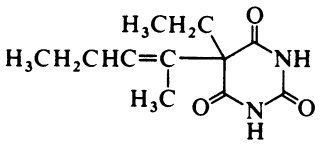
▷UX9635000.

Babbini, M. *et al*, *Eur. J. Pharmacol.*, 1973, **23**, 137 (*pharmacol*)
Cameron, B.D. *et al*, *Arzneim.-Forsch.*, 1973, **23**, 708 (*synth, metab*)
Silverton, J.V. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 1576 (*cryst struct*)
Della Bella, D. *et al*, *Pharmacol. Res. Commun.*, 1976, **8**, 111 (*rev*)
May, E.L., *Pharmacol. Res. Commun.*, 1977, **9**, 197 (*pharmacol*)
Chiarino, D. *et al*, *Arzneim.-Forsch.*, 1978, **28**, 1554 (*synth, stereochem, pharmacol*)
Lodola, E. *et al*, *Prog. Anesthesiol.*, 1983, **3**, 167 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2715.

Vinbarbitone, BAN **V-00031**

5-Ethyl-5-(1-methyl-1-butenyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. *5-Ethyl-5-(1-methyl-1-butenyl)-barbituric acid.* ***Vinbarbital, INN.*** *Delvinal. Diminal. Sonuctone*

[125-42-8]



$C_{11}H_{16}N_2O_3$ M 224.259

Hypnotic, sedative. Mp 162-163°. Used as Na salt.

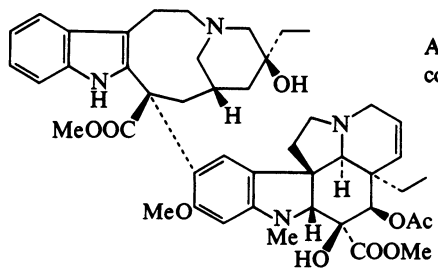
▷CQ5595000.

Cope, A.C. *et al, J. Am. Chem. Soc.*, 1939, **61**, 776 (*synth*)
U.S.P., 2 187 703, (*1940*); *CA*, **34**, 3449 (*synth*)
Marvin, F.W., *Anesth. Analg. (Cleveland)*, 1942, **21**, 229 (*rev*)
Craven, B.M. *et al, J. Mol. Struct.*, 1973, **16**, 331 (*cryst struct*)
Andrews, P.R. *et al, Eur. J. Med. Chem.-Chim. Ther.*, 1981, **16**, 145 (*pmr, cmr, conformn*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4075.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2725.

Vinblastine, BAN, INN **V-00032**

Vincaleukoblastine, 9CI. *VLB*

[865-21-4]



Absolute configuration

$C_{46}H_{58}N_4O_9$ M 810.986

Alkaloid from *Vinca rosea* (*Catharanthus roseus*) (Apocynaceae). Antineoplastic agent, used widely in the treatment of Hodgkin's disease and other lymphomas. Mp 180-182° (Et_2O solvate), 216° (dry). $[\alpha]_D$ +42° ($CHCl_3$).

▷YY8050000.

B,H_2SO_4: [143-67-9]. *Vinblastine sulfate,* USAN, JAN. *Blastovin. Exal. Periblastine. Rozevin. Velban. Velbe. LE 29060. NSC 49842.* Mp 284-285°. $[\alpha]_D^{26}$ −28° (MeOH).

▷YY8400000.

O,O-*Di-Ac:* Mp 168-170°. $[\alpha]_D$ −26.4° ($CHCl_3$).

3-Carbamoyl-3-de(methoxycarbonyl)-O-deacetyl: [53643-48-4]. ***Vindesine,*** *BAN, USAN, INN.*

$C_{43}H_{55}N_5O_7$ M 753.937

Antineoplastic agent. Cryst. (EtOH/MeOH). Mp 230-232°. $[\alpha]_D^{25}$ +39.4° (c, 1 in MeOH).

▷YY8080000.

3-Carbamoyl-3-de(methoxycarbonyl)-O-deactyl; B,H_2SO_4: [59917-39-4]. *Vindesine sulfate,* USAN. *Eldisine. Elsedine. Fildesin. Gesidine. Lilly 112531. LY 99094. NSC 245467.* Amorph. solid (2-propanol). Mp >250°.

O^4-*Deacetyl:* [3352-69-0].

$C_{44}H_{56}N_4O_8$ M 768.948

From *V. rosea* (Apocynaceae). Antineoplastic agent.

▷YY8150000.

2'-Hydroxy: [56974-17-5]. ***Leurocolumbine.*** *2'-Hydroxyvincaleukoblastine,* 9CI.

$C_{46}H_{58}N_4O_{10}$ M 826.985

From *V. rosea.* Antineoplastic and antimitotic agent.

N-*De-Me:* **N-Demethylvinblastine.** N-*Deformylvincristine.*

$C_{45}H_{56}N_4O_9$ M 796.959

Alkaloid from *C. roseus* (Apocynaceae).

N-*De-Me; B,H_2SO_4:* Alkaloid from *V. rosea* (Apocynaceae). Cryst. (EtOH). Mp 250° dec.

Deacetoxy: ***Deacetoxyvinblastine.***

$C_{44}H_{56}N_4O_7$ M 752.949

Cryst. (MeOH). Mp 183-190° dec. $[\alpha]_D^{26}$ +95.3° ($CHCl_3$).

15'α-Hydroxy: [56897-74-6]. ***Vincadioline.***

$C_{46}H_{58}N_4O_{10}$ M 826.985

Alkaloid from the leaves of *V. rosea* (Apocynaceae). Antimitotic agent. Proposed struct. No details concerning the elucidation of its struct. have been publ.

O^4-*(2-Dimethylaminoacetyl):* [865-24-7]. ***Vinglycinate, INN.*** *Lilly 49040.*

$C_{48}H_{63}N_5O_9$ M 854.054

Antineoplastic agent. Cryst. (Et_2O).

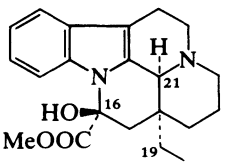
▷YY8180300.

O^4-*(2-Dimethylaminoacetyl); 2B,3H_2SO_4:* [7281-31-4]. *Vinglycinate sulfate,* USAN. Cryst. (MeOH/EtOH).

Neuss, N. *et al, J. Am. Chem. Soc.*, 1959, **81**, 4754; 1962, **84**, 1509; 1964, **86**, 1440 (*uv, ir, pmr, struct*)
Bommer, P. *et al, J. Am. Chem. Soc.*, 1964, **86**, 1439 (*ms*)
Svoboda, G.H. *et al, J. Pharm. Sci.*, 1964, **53**, 1227.
Moncrief, J.W. *et al, J. Am. Chem. Soc.*, 1965, **87**, 4963 (*cryst struct*)
Johnson, I.S. *et al, Cancer Res.*, 1966, **26**, 2431 (*pharmacol, vinglycinate*)
Netherlands Pat., 6 501 121, (*1966*); *CA*, **65**, 18642f (*synth, vinglycinate*)
Armstrong, J.G. *et al, Cancer Res.*, 1967, **27A**, 221 (*pharmacol, vinglycinate*)
U.S.P., 3 387 001, (*1968*); *CA*, **69**, 59476n (*synth, vinglycinate*)
Burns, J.H., *Anal. Profiles Drug Subst.*, 1972, **1**, 443 (*rev, uv, ir, pmr, anal*)
Wenkert, E. *et al, J. Am. Chem. Soc.*, 1973, **95**, 4990.
Neuss, N. *et al, Experientia*, 1975, **31**, 18 (*Deacetoxyvinblastine*)
Tafur, S. *et al, J. Pharm. Sci.*, 1975, **64**, 1953 (*Leurocolumbine*)
Wenkert, E. *et al, Helv. Chim. Acta*, 1975, **58**, 1560 (*cmr*)
U.S.P., 3 887 565, (*1975*); *CA*, **84**, 5230u (*Vincadioline*)
Atta-ur-Rahman, B.A. *et al, Z. Naturforsch., B*, 1976, **31**, 1416 (*rev*)
Dorman, D.E. *et al, Org. Magn. Reson.*, 1976, **8**, 413 (*cmr*)
Sieber, S.M. *et al, Cancer Treat. Rep.*, 1976, **60**, 1127 (*pharmacol*)
Kutney, J.P., *Lloydia*, 1977, **40**, 107 (*rev*)
Burnett, C.J. *et al, J. Med. Chem.*, 1978, **21**, 88 (*Vindesine*)
Hassam, S.B. *et al, Tetrahedron Lett.*, 1978, 1681 (*biosynth*)
Potier, P. *et al, J. Am. Chem. Soc.*, 1979, **101**, 2243 (*synth*)
Dana, W.J., *Drug Intell. Clin. Pharmacol.*, 1980, **14**, 28 (*Vindesine, rev*)
Brade, W. *et al*, Eds., *Contributions to Oncology, Vol. 6-Vindesine*, S. Karger, Basel, Switz., 1981 (*book*)
Baxter, R.L. *et al, J. Chem. Soc., Chem. Commun.*, 1982, 791 (*biosynth*)
Kutney, J.P. *et al, Helv. Chim. Acta*, 1982, **65**, 2088 (*biosynth*)
McLauchlan, W.R. *et al, Tetrahedron*, 1983, **39**, 3777 (*biosynth*)
Simonds, R. *et al, Planta Med.*, 1984, **50**, 274 (*N-Demethylvinblastine*)
Magnus, P. *et al, Stud. Org. Chem. (Amsterdam)*, 1986, **25**, 203, 257 (*synth, revs*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1878.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1880, 2725, 2726.

Vincamine, BAN, INN V-00033

14,15-Dihydro-14-hydroxyeburnamenine-14-carboxylic acid methyl ester, 9CI. Vincamarine. Minorine. Numerous proprietary names



(+)-*form*
Absolute configuration

$C_{21}H_{26}N_2O_3$ M 354.448

(+)-*form* [1617-90-9]

Alkaloid from *Vinca minor*, *V. major*, *V. erecta*, *V. difformis* and *Tabernaemontana rigida* (Apocynaceae). Used in a wide variety of disorders to increase cerebral blood circulation. Antihypertensive agent. Mp 232-233° dec. (190-220°, 274° dec.). $[\alpha]_D^{24}$ +15.3° (c, 0.11 in AcOH) (synthetic). Mp behaviour variable owing to phase change.

▷YY8575000.

B,HCl: Mp 202-212°. Difficult to prepare owing to acid sensitivity of the alkaloid.

Picrate: Mp 228-229°.

16-Epimer: [6835-99-0]. **(−)-*16-Epivincamine***. *Base TR-1.*

$C_{21}H_{26}N_2O_3$ M 354.448

Alkaloid from *V. minor* (Apocynaceae). Mp 181-185°. $[\alpha]_D^{22}$ −36.4° (c, 1.036 in $CHCl_3$), $[\alpha]_D^{26}$ −5° (c, 2.69 in Py). Base TR-1, with the lower recorded opt. rotn., was prob. largely racemic.

21-Epimer: ***Base TR-2***.

$C_{21}H_{26}N_2O_3$ M 354.448

Alkaloid from *T. rigida* (Apocynaceae). Cryst. ($EtOH/CH_2Cl_2$). Mp 209-211°. $[\alpha]_D^{26}$ +1.8° (c, 1.45 in Py). Biogenetically most probable struct. (as a mixt. of + and ± forms) for this substance.

19-Hydroxy: ***19-Hydroxyvincamine***. *20-Hydroxyvincamine.* Alkaloid from *V. minor* (Apocynaceae). Mp 222-225°.

(−)-*form* [38990-16-8]

Synthetic. Mp 227-228.5°. $[\alpha]_D^{20}$ −14.6° (c, 0.5 in AcOH).

(±)-*form* [2122-39-6]

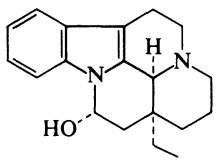
Alkaloid from *T. rigida* (Apocynaceae). Mp 235-236°.

Schlittler, E. *et al*, *Helv. Chim. Acta*, 1953, **36**, 2017 (*isol, uv, ir*)
Trojánek, J. *et al*, *Tetrahedron Lett.*, 1961, 702 (*uv, ir, struct*)
Plat, M. *et al*, *Bull. Soc. Chim. Fr.*, 1962, 1082 (*ms, uv*)
Mokrý, J. *et al*, *Tetrahedron Lett.*, 1963, 999, 1917 (*pmr, abs config, epimer*)
Mokrý, J. *et al*, *Lloydia*, 1964, **27**, 428 (*19-Hydroxyvincamine*)
Cava, M.P. *et al*, *J. Org. Chem.*, 1968, **33**, 1055 (*Bases TR-1 and TR-2*)
Hugel,G. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1972, **274**, 1350 (*synth*)
Hava, M., *Vinca Alkaloids*, 1973, 305 (*rev, pharmacol*)
Neuss, N. *et al*, *Helv. Chim. Acta*, 1973, **56**, 2660 (*cmr*)
Pfäffli, P. *et al*, *Helv. Chim. Acta*, 1975, **58**, 1131 (*synth, pmr, uv, ir*)
Gibson, K.H. *et al*, *Tetrahedron*, 1977, **33**, 833 (*synth*)
Oppolzer, W. *et al*, *Helv. Chim. Acta*, 1977, **60**, 1801 (*synth*)
Rossey, G. *et al*, *J. Org. Chem.*, 1982, **47**, 4745 (*synth*)
Govindachari, T.R. *et al*, *Indian J. Chem., Sect. B*, 1983, **22**, 531 (*synth*)
Szabó, L. *et al*, *Tetrahedron*, 1983, **39**, 3737 (*synth*)
Vereczkey, L., *Eur. J. Drug Metab. Pharmacokinet.*, 1985, **10**, 89 (*rev*)
Lounasmaa, M. *et al*, *Heterocycles*, 1986, **24**, 1663 (*synth*)
Takano, S. *et al*, *J. Chem. Soc., Chem. Commun.*, 1986, 156 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6203 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14015.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2726.

Vincanol, INN, 8CI V-00034

14,15-Dihydroeburnamenin-14-ol, 9CI. Torondel. RGH 4406

[19877-89-5]



$C_{19}H_{24}N_2O$ M 296.411

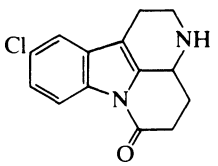
Isol. from *Kopsia* spp. Antihypertensive agent. Mp 178-180°. $[\alpha]_D$ +96.0° (c, 0.1 in $CHCl_3$).

Gesztes, L. *et al*, *Acta Pharm. Hung.*, 1968, **38**, 71 (*synth*)
Hungarian Pat., 157 687, (*1970*); *CA*, **74**, 3764r (*synth, pharmacol*)
Toth, G. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1980, 701; 1985, 1319 (*cd, pmr, cmr*)
Takano, S. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1985, 305 (*synth*)
Zhu, J. *et al*, *Planta Med.*, 1986, 63 (*isol*)

Vincantril, INN V-00035

10-Chloro-1,2,3,3a,4,5-hexahydro-6H-indolo[3,2,1-de][1,5]naphthyridin-6-one, 9CI

[65285-58-7]



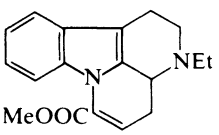
$C_{14}H_{13}ClN_2O$ M 260.723

Antianoxia agent. Mp 161-163°.

Hahn, G. *et al*, *Ber.*, 1938, **71B**, 2163.
Taborsky, R.G. *et al*, *J. Med. Chem.*, 1964, **7**, 135.
B.P., 1 543 283, (*1978*); *CA*, **88**, 50831j (*synth*)

Vinconate, INN V-00036

Methyl 3-ethyl-2,3,3a,4-tetrahydro-1H-indolo[3,2,1-de][1,5]naphthyridine-6-carboxylate, 9CI. Vincantenate. Vintenate. OC 34



$C_{18}H_{20}N_2O_2$ M 296.368

(±)-*form* [70704-03-9]

Antianoxic agent. Mp 120-121°.

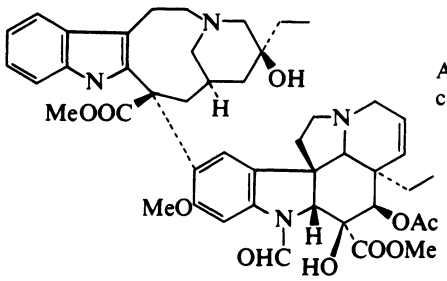
B,HCl: Mp 194-195°.

Belg. Pat., 870 887, (*1979*); *CA*, **91**, 39718u (*synth, pharmacol*)

Vincristine, BAN, INN **V-00037**

22-Oxovincaleukoblastine, 9CI. Leurocristine. Cristovin. Kyocristine. Leucid. Oncovin. Pericristine. Vincosid. Vincrisul. L 37231

[57-22-7]



Absolute configuration

$C_{46}H_{56}N_4O_{10}$ M 824.969

Alkaloid from *Vinca rosea* (*Catharanthus roseus*) (Apocynaceae). Antineoplastic agent. Blades (MeOH). Mp 218-220° dec. $[\alpha]_D^{25}$ +26.2° (1,2-dichloroethane).

▷Exp. teratogen. OH6300000.

B,H_2SO_4: [2068-78-2]. *Vincristine sulfate, USAN, JAN. NSC 67574.* Cryst. (EtOH).

▷OH6340000.

4′-Deoxy, 4′-Epimer: [68170-69-4]. *(4′α)-4′-Deoxy-22-oxovincaleukoblastine, 9CI.* ***Vinepidine, INN.*** *LY 119863.*

$C_{46}H_{56}N_4O_9$ M 808.970

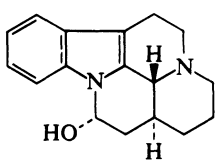
Antineoplastic agent.

4′-Deoxy, 4′-Epimer; B,H_2SO_4: [83200-11-7]. *Vinepidine sulfate, USAN.*

Svoboda, G.H. *et al, Lloydia*, 1961, **24**, 173 (*isol, uv, ir*)
Neuss, N. *et al, J. Am. Chem. Soc.*, 1962, **84**, 1509; 1964, **86**, 1440 (*uv, ir, pmr, struct*)
Moncrief, J.W. *et al, J. Am. Chem. Soc.*, 1965, **87**, 4963 (*cryst struct*)
Johnson, I.S., *Cancer Chemother. Rep.*, 1968, **52**, 455 (*numerous papers*)
Burns, J.H., *Anal. Profiles Drug Subst.*, 1972, **1**, 463 (*rev, uv, ir, pmr, anal*)
Sieber, S.M. *et al, Cancer Treat. Rep.*, 1976, **60**, 127.
Kutney, J.P. *et al, Can. J. Chem.*, 1978, **56**, 2560 (*Vinepidine*)
Ger. Pat., 2 801 748, (*1978*); *CA*, **89**, 197778 (*Vinepidine*)
Potier, P. *et al, J. Am. Chem. Soc.*, 1979, **101**, 2243 (*synth*)
Brade, W. *et al*, Eds., *Contributions to Oncology, Vol. 6*, S. Karger, Basel, Switz., 1981 (*bibl*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1879.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1702.

Vindeburnol, INN **V-00038**

14,15-Dihydro-20,21-dinoreburnaminin-14-ol, 9CI. 20,21-Dinor-16α-eburnamine. RU 24722



$C_{17}H_{20}N_2O$ M 268.358

(±)-*form* [74709-54-9]

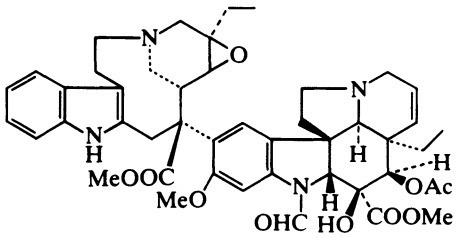
Antianoxic agent. Cryst. (Et_2O). Mp 235°.

Fr. Pat., 2 433 528, (*1980*); *CA*, **93**, 114800m (*synth, pharmacol*)

Vinformide, INN **V-00039**

4′-Deoxy-3′,4′-epoxy-22-oxovincaleukoblastine, 9CI. N-*Demethyl*-N-*formylleurosine. Leuroformine.* F-*Leurosine*

[54022-49-0]



$C_{46}H_{54}N_4O_{10}$ M 822.953

Antineoplastic agent. Cryst. (MeOH). Mp 209-211° (212-216°). $[\alpha]_D^{20}$ +80.3° (c, 1 in $CHCl_3$).

▷LR2962000.

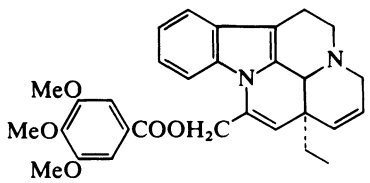
B,H_2SO_4: [58115-81-4]. *Vinformide sulfate. Alzegir.* Mp 248-252°. $[\alpha]_D^{20}$ +37° (c, 1.0 in H_2O).

Ger. Pat., 2 404 120, (*1974*); *CA*, **81**, 169686m (*synth, pharmacol*)
Belg. Pat., 823 560, (*1975*); *CA*, **84**, 59835p (*synth*)
Gorog, S. *et al, J. Chromatogr.*, 1977, **139**, 203 (*hplc*)
Kutney, J.P. *et al, Heterocycles*, 1978, **9**, 201 (*synth*)
Csuka, O. *et al, Oncology*, 1980, **37** (*Suppl. 1*), 83
Langlois, N. *et al, Helv. Chim. Acta*, 1980, **63**, 793 (*synth*)
Ronai-Lukacs, S. *et al, Eur. J. Drug Met. Pharmacokinet.*, 1982, **7**, 47 (*metab, pharmacol*)

Vinmegallate, INN **V-00040**

17,18-Didehydroeburnamenine-14-methanol 3,4,5-trimethoxybenzoate, 9CI. 17,18-Dehydroapovincamino 3′,4′,5′-trimethoxybenzoate. RGH 4417

[83482-77-3]



$C_{30}H_{32}N_2O_5$ M 500.593

Used in treatment of psoriasis. Cryst. (EtOH). Mp 138-140°. $[\alpha]_D^{20}$ +31.5° (c, 1 in $CHCl_3$).

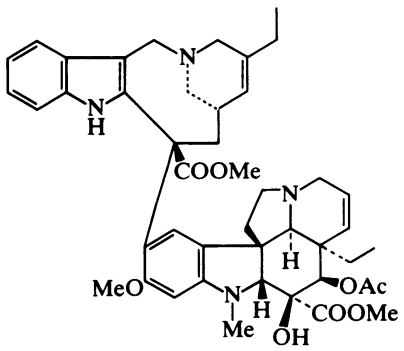
Tartrate: [83482-78-4]. Mp 110° dec.

Ger. Pat., 3 204 630, (*1982*); *CA*, **97**, 182715v (*synth, pharmacol*)
Keve, T. *et al, Acta Pharm. Hung.*, 1987, **57**, 199 (*synth, pharmacol*)

Vinorelbine, INN **V-00041**

3′,4′-Didehydro-4′-deoxy-C′-norvincaleukoblastine, 9CI. *Noranhydrovinblastine. 5′-Noranhydrovincaleukoblastine. Navelbine. NVB*

[71486-22-1]



$C_{45}H_{54}N_4O_8$ M 778.944

Antineoplastic agent. $[\alpha]_D^{20}$ +52.4° (c, 0.3 in $CHCl_3$).

Mangeney, P. *et al, Tetrahedron,* 1979, **35**, 2175 (*synth, uv, ir, pmr*)

Andriamialisoa, R.Z. *et al, Tetrahedron,* 1980, **36**, 3053 (*synth*)

Gueritte, F. *et al, Eur. J. Med. Chem.-Chim. Ther.,* 1983, **18**, 419 (*synth*)

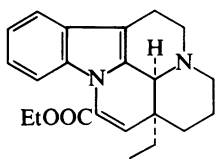
Maral, R. *et al, Cancer Lett.* (*Shannon, Irel.*), 1984, **22**, 49 (*pharmacol*)

Rahmani, R. *et al, Cancer Chemother. Pharmacol.,* 1986, **16**, 223 (*pharmacol*)

Vinpocetine, USAN, INN, JAN **V-00042**

Ethyl eburnamenine-14-carboxylate, 9CI. *Ethyl apovincamin-22-oate. Calan. Cavinton. Finacilen. RGH 4405. TCV 3*B

[42971-09-5]



$C_{22}H_{26}N_2O_2$ M 350.460

Cerebral vasodilator. Cryst. (EtOH). Mp 148-152°. $[\alpha]_D^{20}$ +114° (c, 1 in Py).

▷JW4792000.

Lorincz, C. *et al, Arzneim.-Forsch.,* 1976, **26**, 1907 (*synth, pharmacol, props*)

Szabo, L. *et al, Tetrahedron,* 1983, **39**, 3737.

Czira, G. *et al, Org. Mass Spectrom.,* 1984, **19**, 555 (*ms*)

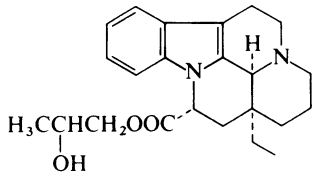
Vereczkey, L., *Eur. J. Drug Metab. Pharmacokinet.,* 1985, **10**, 89 (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14016.

Vinpoline, INN **V-00043**

2-Hydroxypropyl 14,15-dihydro-3α,16α-eburnamenine-14α-carboxylate, 9CI. *2-Hydroxypropyl 14-deoxyvincaminate*

[57694-27-6]



$C_{23}H_{30}N_2O_3$ M 382.502

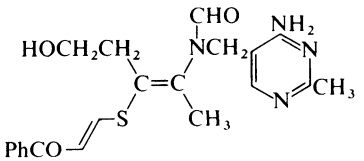
Cerebrotonic. Resin.

Fr. Pat., 2 275 455, (*1976*); *CA,* **85**, 160407w (*synth, pharmacol*)

Vintiamol, INN **V-00044**

N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-N-[2-[(benzoylvinyl)thio]-4-hydroxy-1-methyl-1-butenyl]-formamide. S-(*Benzoylvinyl*)*thiamine. Vinthiamol*

[26242-33-1]



$C_{21}H_{24}N_4O_3S$ M 412.506

Analgesic (vitamin B_1 source). Mp 100-103°, 202-204°. Two isomers isol.

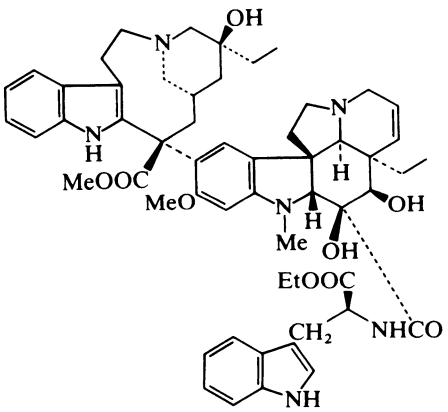
Fusco, R. *et al, Farmaco, Ed. Sci.,* 1965, **20**, 866 (*synth*)

Furomo, K. *et al, J. Vitaminol.,* 1972, **18**, 112 (*pharmacol*)

Vintriptol, INN **V-00045**

O⁴-Deacetyl-3-de(methoxycarbonyl)-3-[[[2-ethoxy-1-(1H-indol-3-ylmethyl)-2-oxoethyl]amino]carbonyl]-vincaleukoblastine, 9CI. *OC 6020*

[81600-06-8]



$C_{56}H_{68}N_6O_9$ M 969.188

Antineoplastic agent. Mp 230°. $[\alpha]_D$ +80° (c, 0.51 in $CHCl_3$).

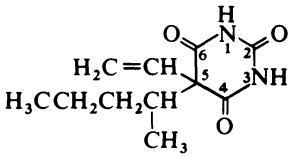
Rao, K.S.P. *et al, Bull. Soc. Chim. Belg.,* 1985, **94**, 133 (*synth, pmr*)

Rao, K.S.P. *et al, J. Med. Chem.,* 1985, **28**, 1079 (*synth, pharmacol*)

Vinylbitone, BAN **V-00046**

5-Ethenyl-5-(1-methylbutyl)-2,4,6(1H,3H,5H)-pyrimidinetrione, 9CI. 5-(1-Methylbutyl)-5-vinylbarbituric acid, 8CI. ***Vinylbital, INN.*** *Bykonox. Butyvinal. Optanox. Speda. Suppoptanox. JD 96*

[2430-49-1]



$C_{11}H_{16}N_2O_3$ M 224.259

Exists in several tautomeric forms.

(+)-*form*

Cryst. Mp 94°. $[\alpha]_D^{20}$ +0.32° (c, 3.460 in EtOH).

(−)-*form* [5767-33-9]

Cryst. Mp 94°. $[\alpha]_D^{20}$ −0.40° (c, 4.275 in EtOH).

(±)-*form*

Anticonvulsant, hypnotic and sedative. Cryst. Mp 90-91.5°.

Fr. Pat., M 896, (*1961*); *CA*, **58**, 2460 (*synth*)
Seefelder, M., *CA*, 1962, **56**, 9928 (*synth*)
Knabe, J. *et al*, *Arch. Pharm.* (*Weinheim, Ger.*), 1966, **299**, 231 (*resoln*)
Preuss, F.R. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 2080 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4076.

Vinylsulfonic acid **V-00047**

Ethenesulfonic acid, 9CI, 8CI. Ethylenesulfonic acid

[1184-84-5]

$H_2C{=}CHSO_3H$

$C_2H_4O_3S$ M 108.112

Liq. Bp_2 135°. Readily polymerises.

Me ester: [1562-31-8].
$C_3H_6O_3S$ M 122.139
Liq. d_4^{20} 1.248. Bp_{15} 90-91°. Causes skin burns.

Homopolymer: [26101-52-0]. *Lyapolic acid. Poly(1-sulfoethylene).*
$(C_2H_4O_3S)_n$

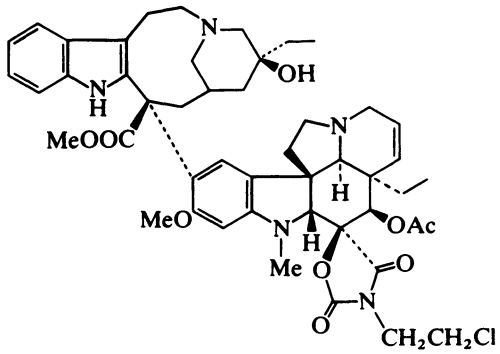
Homopolymer, Na salt: [25053-27-4]. *Lyapolate sodium, USAN. Sodium apolate, BAN, INN. Pergagel. Pergalen. Pesar.* Anticoagulant.

Whitmore, W.F. *et al*, *J. Am. Chem. Soc.*, 1946, **68**, 1797 (*synth*)
Breslow, D.S. *et al*, *J. Am. Chem. Soc.*, 1954, **76**, 6399 (*synth*)
Kern, W. *et al*, *Angew. Chem.*, 1957, **69**, 153 (*synth, polymer*)
Salafsky, B. *et al*, *Arch. Int. Pharmacodyn.*, 1964, **150**, 107 (*props, polymer*)
Trostyanskaya, E.B. *et al*, *CA*, 1971, **74**, 99402 (*synth*)
Etienne, A. *et al*, *Bull. Soc. Chim. Fr.*, 1977, 483 (*ester*)
Salamone, J.C. *et al*, *J. Polym. Sci., Polym. Lett. Ed.*, 1977, **15**, 487 (*synth*)

Vinzolidine, INN **V-00048**

Vincaleukoblastine 3″-(β-chloroethyl)-3-spiro-5″-oxazolidine-2″,4″-dione. VZL

[67699-40-5]



$C_{48}H_{58}ClN_5O_9$ M 884.467

Semisynthetic vinblastine analogue. Antineoplastic agent.

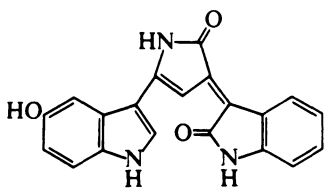
B,H₂SO₄: [67699-41-6]. *Vinzolidine sulfate, USAN. LY 104208.*

Ger. Pat., 2 753 791, (*1978*); *CA*, **89**, 129778b (*synth, pmr*)
Takasugi, B.J. *et al*, *Invest. New Drugs*, 1984, **2**, 49 (*props*)
Kreis, W. *et al*, *Cancer Chemother. Pharmacol.*, 1986, **16**, 70 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14018.

Violacein **V-00049**

3-[2-(5-Hydroxyindol-3-yl)-5-oxo-2-pyrrolin-4-ylidene]-2-indolinone, 8CI

[548-54-9]



$C_{20}H_{13}N_3O_3$ M 343.341

Violet phenolic pigment produced by *Chromobacterium violaceum*. Antibiotic with antibacterial and antiprotozoal activity. Shows potential as a photochemotherapeutic drug. Nontoxic. Purplish-black needles. Mp >350° dec.

▷NM2203500.

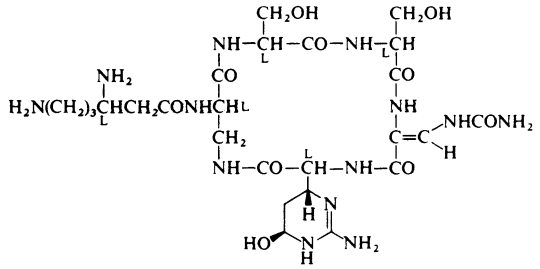
3,3′-Dihydro: [83555-57-1].
$C_{20}H_{15}N_3O_3$ M 345.357
Prod. by *C. violaceum*. Active against gram-positive and -negative bacteria.

Beer, R.J.S. *et al*, *J. Chem. Soc.*, 1949, 885; 1958, 755 (*isol*)
Ballantine, J.A. *et al*, *J. Chem. Soc.*, 1960, 2292 (*synth*)
de Moss, R.D., *Antibiotics*, 1967, **2**, 77 (*rev*)
Kimmel, K.E. *et al*, *Can. J. Microbiol.*, 1969, **15**, 111 (*biosynth*)
Duran, N. *et al*, *An. Acad. Bras. Cienc.*, 1980, **52**, 297; 1983, **55**, 231 (*props, isol*)
Hoshino, T. *et al*, *Agric. Biol. Chem.*, 1987, **51**, 965, 2733 (*biosynth*)

Viomycin, BAN, INN, 9CI V-00050

Vinactin A. *Vinactane. Celiomycin. Viocin. Tuberactinomycin* B. *Florimycin. Koluopthisin. Antibiotic S 300. Phtiomycin. Vionactane*

[32988-50-4]



$C_{25}H_{43}N_{13}O_{10}$ M 685.696

Cyclic peptide antibiotic. From *Streptomyces puniceus* and *S. floridae*. Tuberculostatic agent. Active against gram-positive and -negative bacteria. Inhibitis protein synth. and assembly of ribosomal units. Purple cryst. (MeOH aq.). pK_{a1} 8.2, pK_{a2} 10.3, pK_{a3} 12 (H_2O).

▷ZA3900000.

B,HCl: Plates. Mp 226° dec. $[\alpha]_D^{25}$ −29.5° (c, 1 in H_2O).

B,H_2SO_4: Purple plates. Mp 270° dec. $[\alpha]_D^{25}$ −16.7° (c, 1 in H_2O).

N^1-*Ac; B,H_2SO_4:* Amorph. powder. Mp 270° dec. $[\alpha]_D^{20}$ −37.9° (c, 1 in H_2O).

N^6-*Ac; B,2AcOH:* Amorph. powder + $3H_2O$. Mp 259° dec. $[\alpha]_D^{20}$ −48.8° (c, 1 in H_2O).

N^1,N^6-*Di-Ac; B,HCl:* Shows no antibiotic activity. Plates. Mp 265° dec. $[\alpha]_D^{25}$ −33° (c, 1 in H_2O).

N^1,N^6-*Dipropanoyl; B,HCl:* Plates. Mp 245° dec. $[\alpha]_D^{25}$ −19° (c, 1 in H_2O).

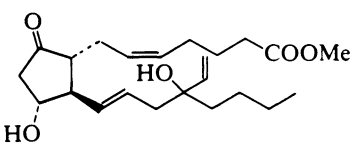
1-Guanyl: 1-Guanylviomycin. Semisynthetic. Shows similar activity to Viomycin. Amorph. powder + $^3/_2H_2SO_4$ + $6H_2O$. Mp >280°. λ_{max} 268 nm (H_2O).

Haskell, T.H. *et al, J. Am. Chem. Soc.*, 1952, **74**, 599.
Bycroft, B.W., *J. Chem. Soc., Chem. Commun.*, 1972, 660 (*cryst struct*)
Wakamiya, T. *et al, Bull. Chem. Soc. Jpn.*, 1975, **48**, 2502 (*nmr*)
Hawkes, G.E. *et al, J. Chem. Soc., Chem. Commun.*, 1977, 546 (*N nmr*)
Kitagawa, T. *et al, Chem. Pharm. Bull.*, 1977, **25**, 280 (*nmr*)
Kitagawa, T. *et al, Chem. Pharm. Bull.*, 1979, **27**, 2551 (*derivs*)
Yamada, T. *et al, CA*, 1983, **98**, 122653 (*props*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7574.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2731.

Viprostol, BAN, USAN, INN V-00051

16-Ethenyl-11,16-dihydroxy-9-oxoprosta-5,13-dien-1-oic acid methyl ester, 9CI. CL 115347. DHV PGE$_2$ ME

[73647-73-1]



$C_{23}H_{36}O_5$ M 392.534

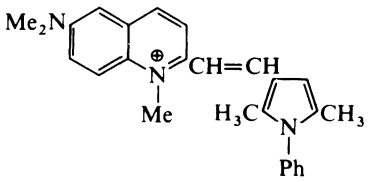
Vasodilator and antihypertensive agent.

B.P., 2 009 173, (*1977*); *CA*, **92**, 214968 (*synth*)
Birnbaum, J.E. *et al, J. Med. Chem.*, 1982, **25**, 492 (*synth, pharmacol*)
Chan, P.S. *et al, J. Pharmacol. Exp. Ther.*, 1983, **226**, 726 (*pharmacol*)
Chan, P.S. *et al, J. Hypertens.*, 1986, **4**, 741 (*pharmacol*)
Nicolau, G. *et al, Prostaglandins*, 1986, **31**, 811 (*metab*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18694.

Viprynium(1+) V-00052

6-(Dimethylamino)-2-[2-(2,5-dimethyl-1-phenyl-1H-pyrrol-3-yl)ethenyl]-1-methylquinolinium, 9CI. 6-(Dimethylamino)-2-[2-(2,5-dimethyl-1-phenylpyrrol-3-yl)vinyl]-1-methylquinolinium, 8CI. Pyrvinium. Pyrrovinyquinium

[7187-62-4]



$C_{26}H_{28}N_3^{\oplus}$ M 382.527 (ion)

(E)-form

Anthelmintic against intestinal pinworms.

Chloride: [548-84-5]. *Pyrvinium chloride, INN. SN 4395.* $C_{26}H_{28}ClN_3$ M 417.980

Deep-red powder + $2H_2O$. Dec. at 249-251°.

▷VC3542500.

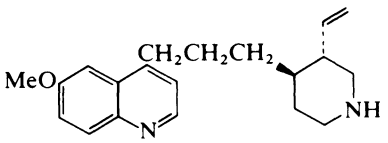
4,4′-Methylenebis(3-hydroxy-2-naphthoate) (2:1): [3546-41-6]. *Viprynium embonate, BAN. Pyrvinium pamoate, USAN. Povan. Vanquil. Other proprietary names.* Orange/orange-red (black) solid. Sol. $CHCl_3$, methoxyethanol, insol. H_2O, Et_2O. Mp 210-215°.

▷VC3543500.

U.S.P., 2 515 912, (*1950*); *CA*, **45**, 3568 (*synth*)
Hales, D.R. *et al, J. Pharmacol. Exp. Ther.*, 1953, **107**, 310, 315 (*pharmacol*)
U.S.P., 2 925 417, (*1960*); *CA*, **54**, 11057 (*synth*)
Uhlebroock, K., *Arzneim.-Forsch.*, 1965, **15**, 1349 (*tox*)
Brody, G. *et al, J. Parasitol.*, 1971, **57**, 1068 (*pharmacol*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7412.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 819.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2345.

Viqualine V-00053

Ivoqualine, INN. *4-[3-(3-Ethenyl-4-piperidinyl)propyl]-6-methoxy]quinoline, 9CI. 6-Methoxy-4-[3-(3-vinyl-4-piperidyl)propyl]quinoline. PK 5078*



(3*S*,4*R*)-*form*

$C_{20}H_{26}N_2O$ M 310.438

(3S,4R)-form [72714-75-1]

Antidepressant. Oil.

B,HCl: Mp 151°. $[\alpha]_D^{25}$ −31° (H_2O).

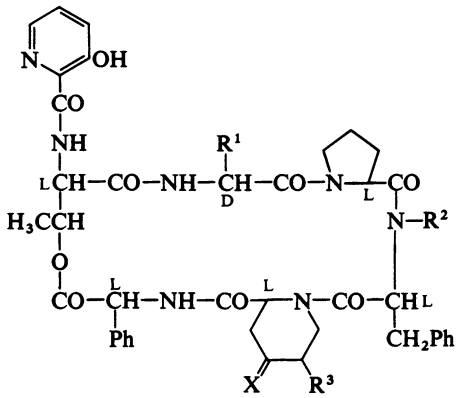
Fumarate: Mp 180°.

U.S.P., 4 237 139, (*1980*); *CA*, **94**, 156763 (*synth, pharmacol*)
Kenny, M. *et al, Eur. J. Clin. Pharmacol.*, 1983, **25**, 23 (*pharmacol*)
LeFur, G. *et al, Neuropharmacology*, 1984, **23**, 169 (*pharmacol*)

Virginiamycin S_1 V-00054

Staphylomycin S. *PA 114B$_2$. Antibiotic 899. Antibiotic PA 114B$_2$. Antibiotic 1745Z$_3$B*

[23152-29-6]



R^1 = CH_2CH_3, R^2 = CH_3, R^3 = H, X = O

$C_{43}H_{49}N_7O_{10}$ M 823.901

Cyclic depsipeptide antibiotic. Isol. from *Streptomyces virginiae* and *S. alborectus*. Of limited clinical and vet. use against topical gram-positive infections. Cryst. Mp 241-242°. $[\alpha]_D^{23}$ −34.5° (EtOH). Component of Virginiamycin, BAN, INN, USAN.

4′-Dihydro, N-*De-Me:* [33477-38-2]. ***Virginamycin S_2***. *Staphylomycin S_2*.
$C_{42}H_{49}N_7O_{10}$ M 811.890
Isol. from *S. virginiae*.

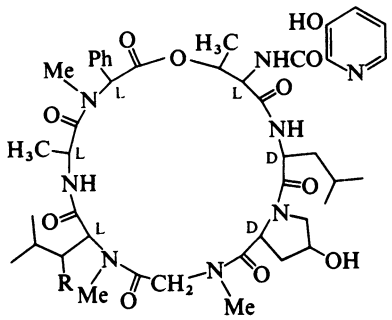
5′-Hydroxy: [33477-39-3]. ***Virginiamycin S_3***. *Staphylomycin S_3*.
$C_{43}H_{49}N_7O_{11}$ M 839.900
Isol. from *S. virginiae*.

Kiryushkin, A.A. *et al*, *Tetrahedron Lett.*, 1967, 2675 (*ms*)
Vanderhaeghe, H. *et al*, *Tetrahedron Lett.*, 1971, 2687 (*isol*)
Compernolle, F. *et al*, *Org. Mass Spectrom.*, 1972, **6**, 151 (*ms, struct*)
Anteunis, M.J.O. *et al*, *Eur. J. Biochem.*, 1975, **58**, 259 (*pmr, cmr, conformn*)
Declerq, J.P. *et al*, *Acta Crystallogr., Sect. B*, 1978, **34**, 3644 (*cryst struct*)
Ogata, K. *et al*, *J. Antibiot.*, 1978, **31**, 1313 (*isol, ir, pmr, struct*)
Callens, R.E.A. *et al*, *Biochim. Biophys. Acta*, 1979, **577**, 324 (*conformn*)
Kessler, H. *et al*, *Justus Liebigs Ann. Chem.*, 1986, 21 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 178.

Viridogrisein V-00055

Etamycin A, *9CI. Neoviridogrisein IV*

[299-20-7]



R = CH_3

$C_{44}H_{62}N_8O_{11}$ M 879.021

Cyclic depsipeptide antibiotic. Isol. from *Streptomyces* sp. Antibacterial antibiotic. Cryst. Mp 168-170° dec. $[\alpha]_D^{25}$ +59° ($CHCl_3$), +28° (EtOH), −10° (50% EtOH aq.).

▷KH0600000.

B,HCl: Mp 163-170° dec.

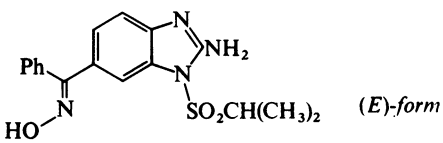
De-Me: [85640-89-7]. ***Viridogrisein II***. *5-(N-Methyl-L-leucyl)etamycin* A.
$C_{43}H_{60}N_8O_{11}$ M 864.994
Minor component of the Viridogrisein complex from *S. griseus*. Active against gram-positive bacteria, shows ionophoric props. Mp 130° (163-167° dec.). Contains an *N*-methylleucine residue in place of the *N,β*-dimethylleucine.

Heinemann, B. *et al*, *Antibiot. Annu.*, 1954-5, 728 (*isol*)
Bartz, Q.R. *et al*, *Antibiot. Annu.*, 1954-5, 777, 784 (*isol*)
Sheehan, J.C. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3933; 1958, **80**, 3349 (*struct*)
Hook, D.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1973, 185 (*biosynth*)
Sheehan, J.C. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 875 (*synth*)
Oberbäumer, I. *et al*, *Helv. Chim. Acta*, 1982, **65**, 2280 (*deriv*)

Viroximine, INN V-00056

6-[(Hydroxyimino)phenylmethyl]-1-[(1-methylethyl)-sulfonyl]-1H-benzimidazol-2-amine, 9CI. LY 122771-72

[63198-97-0]



(E)-form

$C_{17}H_{18}N_4O_3S$ M 358.414

A 1:1 mixt. of *E*- and *Z*-forms.

(E)-form [72301-79-2]
Enviroxime, INN, USAN. *LY 122772*
Antiviral agent. Cryst. (MeCN). Mp 198-199°. More potent than zinviroxime.

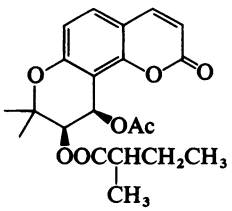
(Z)-form [72301-78-1]
Zinviroxime, INN, USAN. *AR 336. LY 122771*
Antiviral agent. Cryst. (MeOH). Mp 182-183°.

Wickel, J.H., *J. Med. Chem.*, 1980, **23**, 368 (*synth, hplc, uv, nmr, pharmacol, cryst struct*)
Haden, F.G. *et al*, *Antimicrob. Agents Chemother.*, 1982, **21**, 892 (*props*)
Ravindranathan, T. *et al*, *Org. Prep. Proced. Int.*, 1987, **19**, 9 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 12692, 14030.

Visnadine, BAN, INN V-00057

***Visnadine**, BAN, INN. Provismin. Argiodin. Cardine. Carduben. Provismine. Selva. Vibeline. Visgan. Visnacorin. Visnagan. Visnamine*

[477-32-7]



(+)-*form*
Absolute configuration

$C_{21}H_{24}O_7$ M 388.416

▷ET5600000.

(+)-*form*

Constit. of *Ammi visnaga* and *Phlododicarpus sibiricus*. Needles (Et_2O/hexane). Mp 84-86°. $[\alpha]_D$ +9° (c, 2.0 in EtOH), +38° (c, 1.0 in dioxan).

(±)-*form*

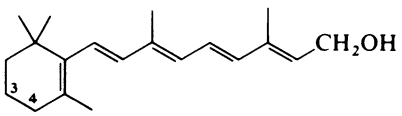
Coronary vasodilator. Cryst. (pet. ether). Mp 150-152°.

Smith, E. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3534 (*struct, uv*)
Schroeder, H.D. *et al*, *Chem. Ber.*, 1959, **92**, 2338 (*isol, ir*)
Shanbag, S.N. *et al*, *Tetrahedron*, 1965, **21**, 3591; 1967, **23**, 1235 (*synth, pmr*)
Erbring, H. *et al*, *Arzneim.-Forsch.*, 1967, **17**, 283 (*pharmacol, tox*)
Lemmich, J. *et al*, *Tetrahedron Lett.*, 1969, 3365.
Galal, E.E. *et al*, *J. Drug Res.*, 1975, **7**, 9, 45, 109 (*pharmacol, tox*)
Shaath, N.A. *et al*, *J. Pharm. Sci.*, 1976, **65**, 1028 (*ms*)
Gromakova, A.I. *et al*, *Khim.-Farm. Zh.*, 1982, **16**, 444 (*isol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9284.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1821.

Vitamin A_1 V-00058

***Retinol**, 9CI, INN. 3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl) 2,4,6,8-nonatetraen-1-ol. 15-Apo-β-caroten-15-ol. Afaxin. Axerol. Gadol. Prepalin. Testavol. Vitamin A. Numerous proprietary names*

[68-26-8]



$C_{20}H_{30}O$ M 286.456

$C_{36}H_{60}O_2$ M 524.869

Constit. of many fish-liver oils, milk, egg-yolk, etc. Yellow cryst. Mp 63-64°. $Bp_{0.000001}$ 137-138°.

▷VH6750000.

Ac: [127-47-9]. *Retinol acetate. Vitamin A acetate. Other proprietary names.*
$C_{22}H_{32}O_2$ M 328.494
Cryst. (MeOH). Mp 57-58°.

▷VH6825000.

3,4-Didehydro: [79-80-1]. ***Vitamin* A_2**. *3,4-Didehydroretinol, 9CI. Dehydroretinol. 3-Dehydroretinol.*
$C_{20}H_{28}O$ M 284.441
Constit. of fresh-water fish oils. Golden-yellow oil. Mixt. of stereoisomers. Has 40% biological activity of Vit. A_1.

Hexadecanoate: [79-81-2]. *Retinol palmitate. Vitamin A palmitate. Arovit. Other synonyms.*
$C_{36}H_{60}O_2$ M 524.869
Found in fish liver oils. Mp 28-29°.

▷VH6860000.

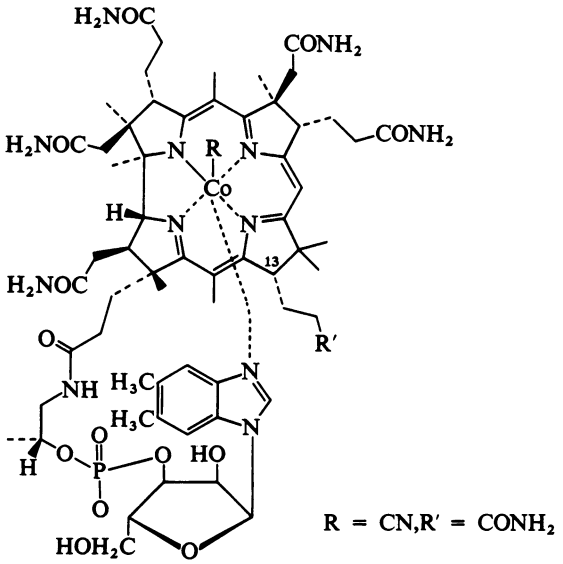
Propanoate: [7069-42-3]. *Retinol propanoate. Axerofluid. Axerophthol propionate. Vitamin A propionate.*
$C_{23}H_{34}O_2$ M 342.520
n_D^{25} 1.6042. Fluid to −10°.

Isler, O. *et al*, *Adv. Org. Chem.*, 1963, **4**, 115 (*synth, rev*)
Fr. Pat., 1 452 791, (*1966*); *CA*, **66**, 105072r (*synth, propanoate*)
Isler, O. *et al*, *Chim. Ind. (Milan)*, 1967, **49**, 1317 (*rev*)
Sebrell, W.H. *et al*, *The Vitamins*, 1967, Academic Press, Vol. 1 (*rev*)
Westermann, F.H., *Int. J. Vitamin Nutr. Res.*, 1972, **42**, 104 (*metab, palmitate*)
Oberhänsli, W.E. *et al*, *Acta Crystallogr., Sect. B*, 1974, **30**, 161 (*cryst struct*)
Englert, G., *Helv. Chim. Acta*, 1975, **58**, 2367 (*cmr*)
Mukaiyama, T. *et al*, *Chem. Lett.*, 1975, 1201 (*synth*)
Baumann, C., *Method. Chim.*, 1978, **11**, 200 (*rev, Vit. A_2*)
Cardillo, G. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 1729 (*synth*)
Mehta, R.R. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1982, **12**, 2921 (*synth, acetate*)
Pitt, G.A., *Proc. Nutr. Soc.*, 1983, **42**, 43 (*struct, activity, rev*)
Pure Appl. Chem., 1983, **55**, 722 (*nomencl*)
Goodman, D.S. *et al*, *Retinoids*, 1984, **2**, 1, 177 (*metab, biosynth, rev*)
Liu, R.S.H. *et al*, *Tetrahedron*, 1984, **40**, 1931 (*rev*)
Williams, J.B. *et al*, *J. Lipid Res.*, 1984, **25**, 638 (*metab, acetate*)
Harbison, G.S. *et al*, *J. Am. Chem. Soc.*, 1985, **107**, 4809 (*cmr, acetate*)
Ajima, A. *et al*, *Biotechnol. Lett.*, 1986, **8**, 547 (*synth, hexadecanoate*)
Otera, J. *et al*, *J. Org. Chem.*, 1986, **51**, 3834 (*synth*)
Hosoda, A. *et al*, *Tetrahedron Lett.*, 1987, **28**, 65 (*synth*)
Sundaresan, P., *J. Sci. Ind. Res.*, 1987, **46**, 105 (*rev, metab*)
Vaezi, H.F. *et al*, *Org. Prep. Proced. Int.*, 1987, **19**, 187 (*synth, Vit. A_2*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7821, 7822, 7823.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5941, 6719, 8103.

Vitamin B_{12} V-00059

Cyanocobalamin, *BAN, USAN, INN. α-(5,6-Dimethylbenzimidazoyl)cobamide cyanide. Numerous proprietary synonyms*

[68-19-9]



$C_{63}H_{88}CoN_{14}O_{14}P$ M 1355.381

Antipernicious anaemia factor isol. from liver extracts; now obt. comly. from fermentation liquors of *Streptomyces griseus* and other microorganisms, e.g. *Propionibacterium shermanii*. Haematopoietic vitamin. Red needles. Sol. H_2O, alcohols, AcOH. Mp >300°, Mp 210-220° darkens. $[\alpha]_{656}^{23}$ −59° (H_2O). λ_{max} 279, 306, 322, 361, 520, 550 nm. Isotopic variants contg. ^{57}Co ($t_{1/2}$ 270d), ^{58}Co ($t_{1/2}$ 71.3d) and ^{60}Co ($t_{1/2}$ 5.26y) are prepd. by fermentation in the presence of radiocobalt and are used for diagnostic purposes.

▷GG3750000.

13-Epimer: [32627-64-8]. *Cyanoneocobalamin. Neovitamin* B_{12}. Formed by acid-catalysed epimerisation. Red cryst. (Me_2CO aq.). CD; λ_{max} 330 nm, $\Delta\epsilon$ + 8.4 (0.1M KCN). Dec. at ca. 200° without melting.

Bonnett, R., *Chem. Rev.*, 1963, **63**, 573.
Nockolds, C.K. *et al*, *Nature (London)*, 1967, **214**, 129 (*cryst struct*)
Pratt, J.M., *Inorg. Chem. of Vit. B_{12}*, 1972, Academic Press (*rev*)
Stöckli-Evans, H. *et al*, *J. Chem. Soc., Perkin Trans. 2*, 1972, 605 (*cryst struct*)
Woodward, R.B., *Pure Appl. Chem.*, 1973, **33**, 145 (*synth*)
Bonnett, R., *Philos. Trans. R. Soc. London*, 1976, **273**, 295 (*epimer*)
Rajoria, D.S. *et al*, *J. Inorg. Nucl. Chem.*, 1977, **39**, 1291 (*ir*)
Schrauzer, G.N., *Angew. Chem.*, 1977, **89**, 239.
Florent, J., *Microbial Technology*, Peppler, H.J. *et al*, Eds., Academic Press, 1979, 2nd Ed., **1**, 497 (*rev, manuf*)
Kirschbaum, J., *Anal. Profiles Drug Subst.*, 1981, **10**, 183 (*rev*)
Anton, D.L. *et al*, *Biochemistry*, 1982, **21**, 2372 (*cmr*)
Dolphin, D., Ed., *B_{12}*, Vols. **1** and **2**, Wiley N.Y., 1982 (*books*)
Friedrich, N., *Kirk-Othmer Encycl. Chem. Technol. 3rd. Ed.*, 1983, **24**, 158 (*rev*)
Brown, K.L. *et al*, *J. Am. Chem. Soc.*, 1984, **106**, 7894 (*P-31 nmr*)
Ellenbogen, L., *Food Sci. Technol.*, 1984, **13**, 497 (*rev*)
Battersby, A.R., *Acc. Chem. Res.*, 1986, **19**, 147 (*rev, biosynth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 8358.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7853.

Vitamin B_{12a} V-00060

α-(5,6-Dimethylbenzimidazolyl)aquocobamide. Aquocobalamin

[13422-52-1]

As Vitamin B_{12}, V-00059 with

R = H_2O, R' = $CONH_2$

$C_{62}H_{92}CoN_{13}O_{15}P$ M 1349.394

Red cryst. (Me_2CO aq.).

Bonnett, R., *Chem. Rev.*, 1963, **63**, 573.

Vitamin B_{12b} V-00061

Hydroxycobalamin, *BAN, INN, USAN. Cobinamide dihydroxide, dihydrogen phosphate (ester), mono(inner salt), 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1H-benzimidazole, 9CI. Codroxomin. Lipflavonoid. Neo-Betalin 12. Sytobex-H. alphaRedisol*

[13422-51-0]

As Vitamin B_{12}, V-00059 with

R = OH, R' = $CONH_2$

$C_{62}H_{89}CoN_{13}O_{15}P$ M 1346.370

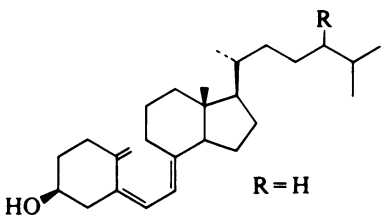
Exists in aq. soln. as an equilibrium mixture with the ionic aquo isomer (Vitamin B_{12a}). Vitamin (haematopoietic). Red cryst. (Me_2CO aq.).

Bonnett, R., *Chem. Rev.*, 1963, **63**, 573.

Vitamin D_3 V-00062

9,10-Seco-5Z,7E,10(19)-cholestatrien-3β-ol, 9CI. Cholecalciferol, BAN. ***Colecalciferol, INN.*** *Delsterol. Provitina. Ricketon. Vigorsan*

[67-97-0]



$C_{27}H_{44}O$ M 384.644

Constit. of fish-liver oil, esp. tuna oil. Antirachitic vitamin with approx. the same potency as vitamin D_2 in humans. Cryst. (Me_2CO). Mp 87-88°. $[\alpha]_D^{20}$ +84.8° (c, 1.6 in Me_2CO). A lower-melting form, Mp 63-4° (from MeOH) was also reported.

▷VS2900000.

Ac: [22350-49-8].
$C_{29}H_{46}O_2$ M 426.681
Mp 131-132°. $[\alpha]_D^{18}$ +142° ($CHCl_3$).

Benzoyl:
$C_{34}H_{48}O_2$ M 488.752
Mp 63-64°. $[\alpha]_D$ +39° ($CHCl_3$).

3,5-Dinitrobenzoyl: Yellow needles. Mp 131°.

6-Fluoro: [91625-75-1]. *6-Fluorovitamin D_3.*
$C_{27}H_{43}FO$ M 402.635
Oil.

Inhoffen, M. *et al*, *Angew. Chem.*, 1960, **72**, 875 (*rev*)
Haussler, M.S. *et al*, *J. Biol. Chem.*, 1972, **247**, 2328 (*rev*)
Borle, A.B., *Annu. Rev. Physiol.*, 1974, **36**, 361 (*rev, metab*)

Wing, R.M. *et al*, *J. Am. Chem. Soc.*, 1975, **97**, 4980 (*pmr, conformn*)
Okamura, W.H. *et al*, *Tetrahedron Lett.*, 1976, 4807 (*ms*)
Lythgoe, B. *et al*, *Tetrahedron Lett.*, 1977, 3685 (*synth*)
Fraser, D.R., *Br. Med. Bull.*, 1981, **37**, 37 (*rev, metab*)
Pure Appl. Chem., 1982, **54**, 1511 (*nomencl*)
Koshy, K.T. *et al*, *Anal. Profiles Drug Subst.*, 1984, **13**, 655 (*rev*)
Wilson, S.R. *et al*, *Tetrahedron Lett.*, 1984, **25**, 3147 (*synth*)
Dauben, W.G. *et al*, *J. Org. Chem.*, 1985, **50**, 2007 (*synth, fluoro*)
Nemoto, H. *et al*, *Heterocycles*, 1985, **23**, 567; *J. Org. Chem.*, 1986, **51**, 5311 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7884.

Vitamin D_4 V-00063

9,10-Seco-5Z,7E,10(19)-ergostatrien-3β-ol

[511-28-4]

As Vitamin D_3, V-00062 with

R = CH_3

$C_{28}H_{46}O$ M 398.671

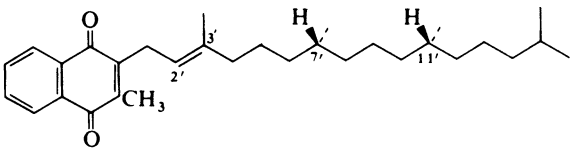
Synthetic. Shows antirachitic activity about half that of Vitamin D_3, V-00062 . Cryst. (Me_2CO). Mp 107-108°. $[\alpha]_D^{16}$ +89.3° (Me_2CO).

Windaus, A. *et al*, *Justus Liebigs Ann. Chem.*, 1939, **538**, 120.
Kocienski, P.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 1290 (*synth*)
Anon., *Synform*, 1985, **3**, 75 (*synth, rev*)

Vitamin K_1 V-00064

2-Methyl-3-(3,7,11,15-tetramethyl-2-hexadecenyl)-1,4-naphthalenedione, 9CI. 2-Methyl-3-phytyl-1,4-naphthoquinone. ***Phytomenadione, BAN, INN.*** *Phytonadione, USAN. Phylloquinone. Numerous proprietary names*

[84-80-0]



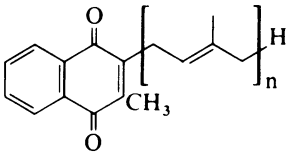
$C_{31}H_{46}O_2$ M 450.703

Fat sol. dietary factor essential for blood coagulation, widely distributed in green leaves and vegetables, esp. chestnut leaves and alfalfa. Anticoagulant. Prothrombogenic vitamin. Cryst. (Me_2CO or EtOH at −70°). Mp −20°.

▷QJ5800000.

Fieser, L.F., *J. Am. Chem. Soc.*, 1939, **61**, 3467.
Doisy, E.A. *et al*, *Chem. Rev.*, 1941, **28**, 477 (*rev, bibl*)
Mayer, H. *et al*, *Helv. Chim. Acta*, 1964, **47**, 221 (*abs config*)
Barkhan, P., *Proc. R. Soc. Med.*, 1977, **70**, 93 (*rev, metab*)
Chenard, B.L. *et al*, *J. Org. Chem.*, 1980, **45**, 378 (*synth*)
Naruta, Y., *J. Org. Chem.*, 1980, **45**, 4097 (*synth*)
Doetz, K.H. *et al*, *J. Organomet. Chem.*, 1981, **209**, C4 (*synth*)
Schmid, M. *et al*, *Helv. Chim. Acta*, 1982, **65**, 684 (*synth*)
Bentley, R. *et al*, *J. Nat. Prod.*, 1983, **46**, 44 (*biosynth*)
Masaki, Y. *et al*, *Chem. Pharm. Bull.*, 1984, **32**, 3959 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 7926.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 7902, 7903.

Vitamin K_2 V-00065



Fat sol. dietary factor effective in controlling blood coagulation. Widely distributed in green leaves and vegetables. Consists of a mixt. of homologues. The figure in brackets after the name indicates the number of carbon atoms in the sidechain. The name vitamin K_2 is sometimes applied to vitamin K_2(30). Various partially hydrogenated derivatives Dihydromenaquinones, Tetrahydromenaquinones, Hexahydromenaquinone 9 and Octahydromenaquinone 9 with partly saturated sidechains occur, e.g. in cultures of *Oerskovia turbata*, *Breisbacterium lipopolyticum* and *Actinomadura madurae*.

Vitamin K_2(30) [84-81-1]
Menaquinone-6. Menaquinone K_6. *Farnoquinone. β-Phylloquinone*
$C_{41}H_{56}O_2$ M 580.892
Minor constit. of vitamin K_2 complex. Yellow cryst. (Me_2CO/EtOH or pet. ether). Mp 50°.

Vitamin K_2(35) [2124-57-4]
Menaquinone-7. Menaquinone K_7
$C_{46}H_{64}O_2$ M 649.010
Constit. of chestnut leaves. Cryst. (Me_2CO/EtOH or MeOH/$CHCl_3$). Mp 54°.

Vitamin K_2(40) [523-38-6]
Menaquinone-8. Menaquinone K_8
$C_{51}H_{72}O_2$ M 717.129
Present in *Escherichia coli*, *Proteus vulgaris* and *Chromatium vinosum*.

Vitamin K_2(45) [523-39-7]
Menaquinone-9. Menaquinone K_9
$C_{56}H_{80}O_2$ M 785.247
Constit. of lipids of *Myobacterium tuberculosis*. Cryst. Mp 58-59°.

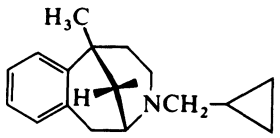
Vitamin K_2(50) [523-40-0]
Menaquinone-10. Menaquinone K_{10}
$C_{61}H_{88}O_2$ M 853.365
Cryst. Mp 62°.

Isler, O. *et al*, *Helv. Chim. Acta*, 1958, **41**, 786.
Isler, O. *et al*, *Vitam. Horm. (N. Y.)*, 1959, **17**, 53 (*rev*)
Noll, H. *et al*, *J. Biol. Chem.*, 1960, **235**, 2207; *Helv. Chim. Acta*, 1960, **43**, 433 (*isol*)
Osnitskaya, L.K. *et al*, *Nature (London)*, 1964, **204**, 80
Sato, K. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1973, 2289 (*synth*)
Snyder, C.D. *et al*, *J. Am. Chem. Soc.*, 1974, **96**, 8046 (*synth*)
Yamada, Y. *et al*, *Biochim. Biophys. Acta*, 1977, **486**, 195 (*isol, derivs*)
Yamada, Y. *et al*, *Agric. Biol. Chem.*, 1980, **44**, 1693; 1982, **46**, 1105 (*isol, derivs*)

Volazocine, USAN, INN **V-00066**

3-(Cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocine, 9CI, 8CI. *Win 23200*

[15686-68-7]



$C_{18}H_{25}N$ M 255.402

Analgesic. Mp 78-81°.

U.S.P., 3 382 249, (*1968*); *CA*, **69**, 96509w (*synth, pharmacol*)

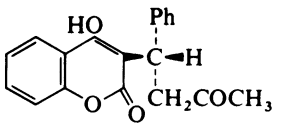
U.S.P., 4 108 857, (*1978*); *CA*, **90**, 103862 (*synth, pharmacol, isom*)

W

Warfarin, BSI, BAN, INN **W-00001**

4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2H-1-benzopyran-2-one, 9CI. 3-(2-Acetyl-1-phenylethyl)-4-hydroxycoumarin. Numerous proprietary names

[81-81-2]



(*S*)-*form*
Absolute configuration

$C_{19}H_{16}O_4$ M 308.333

▷Toxic TLV 0.1. GN4550000.

(*S*)-*form* [5543-57-7]

Cryst. (Me_2CO). Mp 172-175°.

(±)-*form* [5543-56-6]

Anticoagulant and rodenticide. Cryst. (EtOH). Mp 161°.

Na salt: [129-06-6]. *Warfarin sodium, BAN, USAN. Coumadin. Panwarfin. Marevan.*

▷GN4725000.

K salt: [2610-86-8]. *Warfarin potassium, USAN. Athrombin K.*

▷GN4600000.

2-(Dimethylamino)ethanol salt (1:1): [3324-63-8]. *Warfarin deanol. Adoisine. MD 6134.* Mp 159-162°.

Ac:

$C_{21}H_{18}O_5$ M 350.370

Mp 117-118°.

Oxime:

$C_{19}H_{17}NO_4$ M 323.348

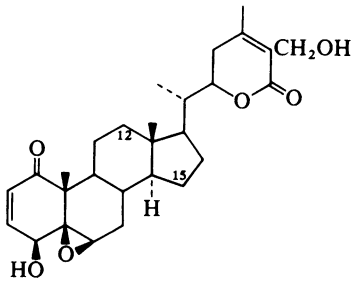
Mp 182-183°.

U.S.P., 2 427 578, (*1947*); *CA*, **42**, 603 (*synth*)
La Barre, J. *et al*, *Therapie*, 1963, **18**, 921 (*Deanol*)
U.S.P., 3 141 894, (*1964*); *CA*, **61**, 9470 (*Deanol*)
Bravic, G. *et al*, *C. R. Hebd. Seances Acad. Sci., Ser. C*, 1973, **277**, 1215 (*cryst struct*)
Valente, E.J. *et al*, *Acta Crystallogr., Sect. B*, 1975, **31**, 954 (*abs config*)
Chan, K.K. *et al*, *Tetrahedron*, 1977, **33**, 899 (*cmr*)
Valente, E.J. *et al*, *J. Med. Chem.*, 1977, **21**, 141, 231 (*uv, pmr*)
Babhair, S.A. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 423 (*rev, synth, pharmacol, anal*)
Sato, Y. *et al*, *Chem. Pharm. Bull.*, 1985, **33**, 4606 (*resoln*)
Park, B.K., *Biochem. Pharmacol.*, 1988, **37**, 19 (*rev, metab, props*)
Pesticide Manual, 6th Ed., 545.
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 5126.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 4822, 4823, 4824.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 5th Ed., Van Nostrand-Reinhold, 1979, 1091.

Withaferin *A* **W-00002**

5,6-Epoxy-4,22,27-trihydroxy-1-oxoergasta-2,24-dien-26-oic acid δ-lactone, 9CI

[5119-48-2]



$C_{28}H_{38}O_6$ M 470.605

Constit. of *Withania somnifera* and leaves of *Acnistus arborescens*. Shows antitumour activity. Antifungal. Antiinflammatory. Cryst. (Me_2CO/pet. ether). Mp 252-253°. $[\alpha]_D^{28}$ +125° (c, 1.30 in $CHCl_3$).

Di-Ac: Cryst. (Me_2CO/pet. ether). Mp 201-202°. $[\alpha]_D^{30}$ +192° (c, 1.09 in $CHCl_3$).

27-Deoxy: [27920-64-5]. *5β,6β-Epoxy-4β-hydroxy-1-oxo-20S,22R-witha-2,24-dienolide.* ***27-Deoxywithaferin* A.**

$C_{28}H_{38}O_5$ M 454.605

Constit. of leaves of *W. somnifera*. Cryst. (EtOAc). Mp 168-169°. $[\alpha]_D$ +101.5° (c, 0.5 in $CHCl_3$).

12β-Hydroxy: [84461-54-1]. *12β-Hydroxywithaferin* A.

$C_{28}H_{38}O_7$ M 486.604

Semisynthetic. Antileukaemic substance. Cryst. (EtOAc). Mp 117-120°.

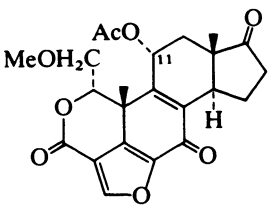
15β-Hydroxy: [84461-53-0]. *15β-Hydroxywithaferin* A. Semisynthetic. Antileukaemic substance. Cryst. (EtOAc). Mp 270-274°.

McPhail, A.T. *et al*, *J. Chem. Soc. (B)*, 1968, 962 (*cryst struct*)
Kupchan, S.M. *et al*, *J. Org. Chem.*, 1969, **34**, 3858 (*isol, struct*)
Kirson, I. *et al*, *Tetrahedron*, 1970, **26**, 2209 (*isol, struct, deriv*)
Fuegner, A., *Arzneim.-Forsch.*, 1973, **23**, 932 (*props*)
Lockley, W.J.S. *et al*, *Phytochemistry*, 1976, **15**, 937 (*biosynth*)
Gottlieb, H.E. *et al*, *Org. Magn. Reson.*, 1981, **16**, 20 (*cmr*)
Fuska, J. *et al*, *Steroids*, 1982, **40**, 157 (*derivs*)
Hirayama, M. *et al*, *Tetrahedron Lett.*, 1982, **23**, 4725 (*synth*)
Fuska, J. *et al*, *Neoplasma*, 1984, **31**, 31 (*props*)
Valeiro, A.S. *et al*, *Phytochemistry*, 1985, **24**, 2263, 2573 (*biosynth*)
Monteagudo, E.S. *et al*, *Z. Naturforsch., B*, 1987, **42**, 1471 (*biosynth*)

Wortmannin W-00003

11-(Acetyloxy)-1-(methoxymethyl)-2-oxaandrosta-5,8-dieno[6,5,4-bc]furan-3,7,17-trione, 9CI

[19545-26-7]



$C_{23}H_{24}O_8$ M 428.438

Metab. of *Penicillium wortmanii* and *Myrothecium roridium*. Shows antifungal and antiinflammatory activity. Needles. Mp 240°. $[\alpha]_D^{26}$ +89° (c, 1.1 in $CHCl_3$). Unstable in aq. solns. pH 3-8.

11-Deacetoxy: [31652-69-4].

$C_{21}H_{22}O_6$ M 370.401

Metab. of *P. funiculosum*. Antiinflammatory used in treatment of rheumatism. Cryst. (CH_2Cl_2/Et_2O). Mp 178-180°. $[\alpha]_D^{20}$ +104° (c, 0.97 in $CHCl_3$).

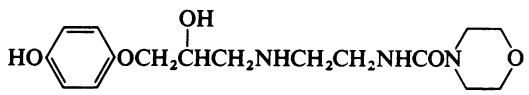
Brian, P.W. *et al*, *Trans. Br. Mycol. Soc.*, 1957, **40**, 365 (*isol*)
MacMillan, J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1972, 2898 (*struct*)
Petcher, T.J. *et al*, *J. Chem. Soc., Chem. Commun.*, 1972, 1061 (*cryst struct, abs config*)
Ramadas, S.R. *et al*, *J. Sci. Ind. Res.*, 1972, **31**, 145 (*rev, props*)
Haefliger, W. *et al*, *Helv. Chim. Acta*, 1973, **56**, 2901 (*deriv*)
Wiesinger, D. *et al*, *Experientia*, 1974, **30**, 135 (*pharmacol*)
Simpson, T.J. *et al*, *J. Chem. Soc., Perkin Trans. 1*, 1979, 931 (*biosynth*)

X

Xamoterol, BAN, USAN, INN **X-00001**

N-[2-[[2-Hydroxy-3-(4-hydroxyphenoxy)propyl]-amino]ethyl]-4-morpholinecarboxamide, *9CI*

[81801-12-9]



$C_{16}H_{25}N_3O_5$ M 339.391

Cardiac stimulant.

(±)-form

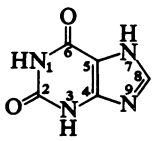
Oxalate: ICI 118587. Mp 168-169°.

Barlow, J.J. *et al*, *Br. J. Pharmacol.*, 1979, **67**, 412P (*pharmacol*)
Barlow, J.J. *et al*, *J. Med. Chem.*, 1981, **24**, 315 (*synth*)
Marten, T.R. *et al*, *Drug. Metab. Dispos.*, 1984, **12**, 652 (*metab*)
Oddie, C.J. *et al*, *J. Chromatogr.*, 1984, **308**, 370 (*chromatog*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17031.

Xanthine **X-00002**

3,7-Dihydro-1H-purine-2,6-dione, 9CI. 2,6-Dihydroxypurine

[69-89-6]



7H-form

$C_5H_4N_4O_2$ M 152.112

Found in potatoes, coffee beans, etc. Cryst. Mp >350°.

▷ZD7700000.

7H-form

1,3-Di-Me: see Theophylline, T-00169

3,7-Di-Me: see Theobromine, T-00166

1,3,7-Tri-Me: see Caffeine, C-00010

3-Propyl: [41078-02-8]. *3,7-Dihydro-3-propyl-1H-purine-2,6-dione, 9CI. 3-Propylxanthine.* ***Enprofylline, INN.*** *D 4028.*

$C_8H_{10}N_4O_2$ M 194.193

Diuretic, antiasthmatic agent, bronchodilator. Mp 287-289°.

7H,9H-form

Imidazolium betaine form

Minor tautomer.

7,9-Di-Me: [5752-21-6]. *2,3,6,7-Tetrahydro-7,9-dimethyl-2,6-dioxo-1H-purinium hydroxide inner salt, 9CI.*

$C_7H_8N_4O_2$ M 180.166

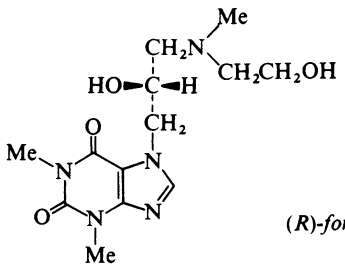
Cryst. (MeOH aq.). Mp 378-379° dec.

Mizuno, H. *et al*, *Bull. Chem. Soc. Jpn.*, 1969, **42**, 3099 (*cryst struct*)
Lister, J.H, *Purines, Chem. Heterocycl. Compd.*, (*Weissberger, A. et al*, Ed.), 1971 (*rev*)
Ohtsuka, Y., *Bull. Chem. Soc. Jpn.*, 1973, **46**, 506 (*synth, Enprofylline*)
Twanmoh, L.-M. *et al*, *J. Heterocycl. Chem.*, 1973, **10**, 187 (*nmr*)
Takayama, S. *et al*, *Chem. Pharm. Bull.*, 1974, **22**, 1200 (*synth*)
Sekiya, M. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 1331 (*synth*)
Andersson, K.E. *et al*, *Curr. Clin. Pract. Ser.*, 1985, **19**, 41 (*rev, Enprofylline*)
Stalhandske, C. *et al*, *Acta Crystallogr., Sect. C*, 1985, **41**, 1517 (*cryst struct, Enprofylline*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 16624.

Xanthinol **X-00003**

3,7-Dihydro-7-[(2-hydroxy-3-hydroxyethyl)-methylamino]propyl-1,3-dimethyl-1H-purine-2,6-dione, 9CI. 7-[2-Hydroxy-3-[(2-hydroxyethyl)methylamino]-propyl]theophylline, 8CI. Xantinol. Metoxiprofilin. Numerous proprietary names

[2530-97-4]



(R)-form

$C_{13}H_{21}N_5O_4$ M 311.340

▷XH5867000.

(R)-form

Cryst. (cold Me_2CO/pentane). Mp 87-88°. $[\alpha]_D^{20}$ −76.54° (c, 8.1 in EtOH).

(±)-form

Peripheral vasodilator. Also used as compd. with clofibric acid (Xantifibrate, INN).

Nicotinate (1:1): [437-74-1]. *Xanthinol niotinate, BAN. Xanthinol niacinate, USAN. Xantinol nicotinate, INN. Complamin.* Sol. H_2O. Mp 180°.

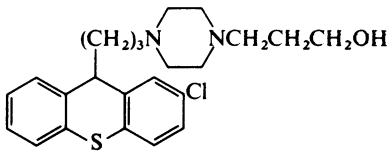
▷QT1500000.

Ger. Pat., 1 102 750, (*1961*); *CA*, **56**, 11602i (*synth*)
Hemmer, R. *et al*, *Arzneim.-Forsch.*, 1962, **12**, 672, 675, 679 (*pharmacol*)
Korbonits, D. *et al*, *Acta Pharm. Hung.*, 1968, **38**, 98 (*synth*)
Kuhnert-Brandstaetter, M. *et al*, *Sci. Pharm.*, 1974, **42**, 150 (*uv, props*)
Grace, D. *et al*, *Acta Chem. Scand., Ser. B*, 1985, **39**, 607 (*resoln, pmr, cd, abs config*)
Absava, G.I., *Khim.-Farm. Zh.*, 1986, **20**, 498 (*rev, pharmacol*)
Schelderup, L. *et al*, *Acta Chem. Scand., Ser. B*, 1986, 505 (*synth*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2943.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 9285.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2737.

Xanthiol, INN **X-00004**

4-[3-(2-Chlorothioxanthen-9-yl)propyl]-1-piperazinepropanol

[14008-71-0]



$C_{23}H_{29}ClN_2OS$ M 417.008

(±)-*form*

Antiemetic and psychosedative.

B,2HCl: [17162-32-2]. *Daxid. S 9-888.* Mp 236-238°.

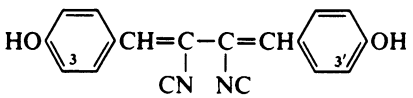
▷TM2665000.

B.P., 863 699, (*1961*); *CA*, **55**, 18781 (*synth, pharmacol*)
Usdin, V.R. *et al*, *Proc. Soc. Exptl. Biol. Med.*, 1961, **108**, 457.
Steiner, W.G. *et al*, *Int. J. Neuropharmacol.*, 1963, **2**, 327 (*pharmacol*)
Abernathy, C.D. *et al*, *Proc. Soc. Exptl. Biol. Med.*, 1975, **150**, 385 (*tox*)

Xanthocillin *X* **X-00005**

4,4'-(2,3-Diisocyano-1,3-butadiene-1,4-diyl)bisphenol, 9CI. ***Xanthocillin, BAN.*** *Xantocillin, INN. Ophthocillin. Trianthil. Xantyrid. Brevicide*

[580-74-5]



$C_{18}H_{12}N_2O_2$ M 288.305

Metab. of *Penicillium notatum* and *Eupenicillium egyptiacum*. Cytotoxic. Antibacterial used in feed supplements. Yellow cryst. Mp ca. 200° dec.

▷KX1625000.

3-Hydroxy: [38965-69-4]. ***Xanthocillin* Y_1.**

$C_{18}H_{12}N_2O_3$ M 304.304

From *P. notatum*.

▷CZ8985000.

3,3'-Dihydroxy: [38965-70-7]. ***Xanthocillin* Y_2.**

$C_{18}H_{12}N_2O_4$ M 320.304

From *P. notatum*.

▷CZ8937750.

Mono-Me ether: [19559-24-1]. ***4-[2,3-Diisocyano-4-(4-methoxyphenyl)-1,3-butadienyl]phenol, 9CI.***

$C_{19}H_{14}N_2O_2$ M 302.332

From *Dichotomomyces albus* and *D. cejpii*. Potent inhibitor of prostaglandin biosynth. Active against some gram-positive and -negative bacteria. Yellow cryst. (C_6H_6).

▷KX1700000.

Di-Me ether: [4464-33-9]. ***Xanthocillin* X *dimethyl ether*.**

$C_{20}H_{16}N_2O_2$ M 316.359

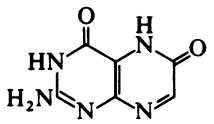
Metab. of *Aspergillus clavatus*. Yellow needles (CH_2Cl_2/hexane). Mp 186° dec.

Hagedorn, I. *et al*, *Angew. Chem., Int. Ed. Engl.*, 1962, **1**, 212 (*synth*)
Ando, K. *et al*, *J. Antibiot.*, 1968, **21**, 582, 587.
Zarnack, J. *et al*, *Pharmazie*, 1971, **26**, 503 (*isol*)
Achenbach, H. *et al*, *Chem. Ber.*, 1972, **105**, 784, 3061 (*biosynth, derivs*)
Takahashi, C. *et al*, *Chem. Pharm. Bull.*, 1976, **24**, 2317 (*pmr, derivs*)
Büchi, G. *et al*, *J. Org. Chem.*, 1977, **42**, 244 (*isol, uv, ir, pmr, deriv*)
Vesonder, R.F. *et al*, *J. Nat. Prod.*, 1979, **42**, 232 (*isol*)
Britton, D. *et al*, *Cryst. Struct. Commun.*, 1981, **10**, 1497 (*cryst struct*)
Kitahara, N. *et al*, *J. Antibiot.*, 1981, **34**, 1556.
Herbert, R.B. *et al*, *Tetrahedron Lett.*, 1984, **25**, 4263.
Cable, K.M. *et al*, *Tetrahedron Lett.*, 1987, **28**, 3159 (*biosynth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 1230.

Xanthopterin **X-00006**

2-Amino-1,5-dihydro-4,6-pteridinedione, 9CI. Uropterin

[119-44-8]



$C_6H_5N_5O_2$ M 179.138

Important naturally occuring pteridine. Normal constit. of human urine. Yellow wing pigment of butterflies e.g. *Gonepteryx rhamni, Appias nero, Colias edusa*. Injected to stimulate kidney regeneration. Sol. acids, alkalis. Mp >410° (carbonises above 360°).

6-O-Sulfate: Xanthopterinsulfonic acid.

$C_6H_5N_5O_5S$ M 259.196

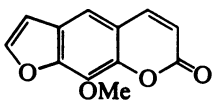
Prod. by *Azotomonas insolita* and *Escherischia coli*. Needles (H_2O) (as Na salt). Mp >300° (Na salt).

Schöpf, C. *et al*, *Justus Liebigs Ann. Chem.*, 1933, **507**, 266.
Goto, M. *et al*, *Arch. Biochim. Biophys.*, 1965, **111**, 8 (*Xanthopterinsulfonic acid*)
Taylor, E.C. *et al*, *J. Am. Chem. Soc.*, 1973, **95**, 4455 (*synth*)
Bieri, J.H. *et al*, *Helv. Chim. Acta*, 1976, **59**, 2374 (*cryst struct*)

Xanthotoxin **X-00007**

9-Methoxy-7H-furo[3,2-g][1]benzopyran-7-one, 9CI, 8CI. 9-Methoxyfuro[3,2-g]chromen-7-one. 8-Methoxy-4',5':6,7-furocoumarin. 9-Methoxypsoralen. ***Methoxsalen, BAN.*** *Zanthotoxin. Ammoidin. Meloxine. Methoxa-Dome. Numerous proprietary names*

[298-81-7]



$C_{12}H_8O_4$ M 216.193

Isol. from *Cnidium dubium, Cryptodiscus didymus, Evodia hupehensis, Selinum tenuifolium* and *Aegle marmelos*. Aid to dermal pigmentation and to increased light tolerance. Used with UV light in treatment of psoriasis. Radioprotectant. Cryst. (EtOH aq.). Mp 148°. Bitter tasting with tingling sensation.

▷LV1400000.

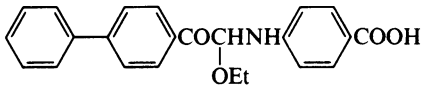
Späth, E. *et al*, *Ber.*, 1936, **69**, 769 (*isol*)
Schonberg, J.R. *et al*, *Nature (London)*, 1947, **168**, 468 (*isol*)
Sommers, A.H. *et al*, *J. Am. Chem. Soc.*, 1957, **79**, 3491 (*synth*)
Scheel, W. *et al*, *Biochemistry*, 1963, **12**, 1127 (*isol*)
Chatterjee, A. *et al*, *Tetrahedron*, 1972, **28**, 5175 (*synth*)
Austin, D.J. *et al*, *Phytochemistry*, 1973, **12**, 1657 (*biosynth*)
Mikayado, M. *et al*, *Phytochemistry*, 1978, **17**, 143 (*synth*)
Lin, Y.-Y. *et al*, *J. Heterocycl. Chem.*, 1979, **16**, 799 (*synth*)
Anderson, T.F. *et al*, *Ann. Rev. Pharmacol. Toxicol.*, 1980, **20**, 235 (*rev, pharmacol*)
Loutfy, M.A. *et al*, *Anal. Profiles Drug. Subst.*, 1980, **9**, 427 (*rev*)
Nore, P. *et al*, *J. Heterocycl. Chem.*, 1980, **17**, 985 (*synth, bibl*)

Dall'Acqua, F. *et al*, *Cryst. Struct. Commun.*, 1981, **10**, 505 (*cryst struct*)
Mays, D.C. *et al*, *J. Pharmacol. Exp. Ther.*, 1986, **236**, 364 (*metab*)
Stolk, L.M.L. *et al*, *Pharm. Int.*, 1986, **7**, 259 (*rev, pharmacol*)
Duddeck, H. *et al*, *Magn. Reson. Chem.*, 1987, **25**, 489 (*O-17 nmr*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 2202.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1623.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2738.

Xenazoic acid, INN X-00008

p-[(α-*Ethoxy*-p-*phenylphenacyl*)*amino*]*benzoic acid*, *8CI. Xenalamine. Xenovis. Xenovistar. CV 58903. LG 278. SKF 8318*

[1174-11-4]



$C_{23}H_{21}NO_4$ M 375.423
Cryst. (EtOH).

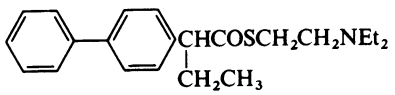
(±)-*form*
Antiviral agent. Mp 192° dec.

Cavallini, G. *et al*, *J. Med. Chem.*, 1960, **2**, 99 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1691.

Xenthiorate, INN X-00009

S-[2-(*Diethylamino*)*ethyl*] α-*ethyl*-4-*phenylbenzeneethanethioate*. S-[2-(*Diethylamino*)*ethyl*] 2-(4-*biphenylyl*)-*thiobutyrate*

[7009-79-2]



$C_{22}H_{29}NOS$ M 355.537

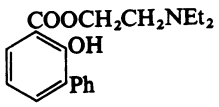
(±)-*form*
Hypocholesterolaemic agent.

Eades, Ch.H. *et al*, *Med. Pharmacol. Exp.*, 1966, **14**, 225 (*pharmacol*)

Xenysalate, BAN, INN X-00010

2-*Hydroxy*[1,1′-*biphenyl*]-3-*carboxylic acid* 2-(*diethylamino*)*ethyl ester*, *9CI. 2-Diethylaminoethyl* 3-*phenylsalicylate. Biphenamine*

[3572-52-9]



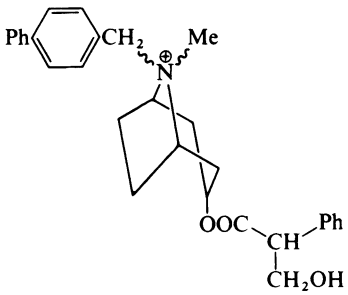
$C_{19}H_{23}NO_3$ M 313.396
Topical anaesthetic, antibacterial, antifungal, frequently present in medicated shampoos. Oily liq. Sol. H_2O. Component of Alvinine.

B,HCl: [5560-62-3]. *Melsaphine. Sebaclen. Sebaklen. Biphenamine hydrochloride*, *USAN*.

U.S.P., 2 594 350, (*1952*); *CA*, **47**, 1190 (*synth, pharmacol*)
Shotaro, N. *et al*, *J. Pharm. Soc. Jpn.*, 1956, **76**, 1211 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1658.

Xenytropium(1+) X-00011

8-([1,1′-*Biphenyl*]-4-*ylmethyl*)-3-(3-*hydroxy*-1-*oxo*-2-*phenylpropoxy*)-8-*methyl*-8-*azoniabicyclo*[3.2.1]*octane*, *9CI. 3-Hydroxy*-8-(p-*phenylbenzyl*)*tropanium*, *8CI. 8*-(p-*Phenylbenzyl*)*atropinium. Fentropilium. Dendripar. Gastripon. Gastropin. BTTB. FX 501. N 399*



$C_{30}H_{34}NO_3^{\oplus}$ M 456.604 (ion)
Spasmolytic agent.

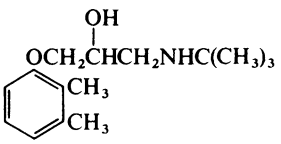
Bromide: [511-55-7]. *Xenytropium bromide*, *INN*.
$C_{30}H_{34}BrNO_3$ M 536.508
Mp 230°.

▷CK2990000.

Gyermek, L. *et al*, *Acta Physiol. Acad. Sci. Hung.*, 1955, **8**, 43 (*pharmacol*)
U.S.P., 2 833 773, (*1958*); *CA*, **52**, 15602b (*synth, pharmacol*)
Suga, T. *et al*, *Chem. Pharm. Bull.*, 1971, **19**, 2235 (*metab*)

Xibenolol, INN X-00012

1-[(1,1-*Dimethylethyl*)*amino*]-3-(2,3-*dimethylphenoxy*)-2-*propanol*, *9CI. 1*-(tert-*Butylamino*)-3-(2,3-*xylyloxy*)-2-*propanol*, *8CI. Rhythminal. D 32*



$C_{15}H_{25}NO_2$ M 251.368

(±)-*form* [81584-06-7]
β-Adrenergic blocker, antihypertensive agent. Cryst. (cyclohexanol). Mp 71-72°.

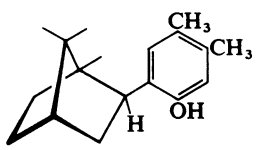
B,HCl: [59708-57-5]. Mp 135-137°.

Ger. Pat., 1 236 523, (*1967*); *CA*, **67**, 64046 (*synth*)
Japan. Pat., 70 29 294, (*1970*); *CA*, **74**, 22544 (*synth*)
Honma, S. *et al*, *Chem. Pharm. Bull.*, 1975, **23**, 1045; 1977, **25**, 1843; 1985, **33**, 760 (*metab, ms*)
Himori, N. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1976, **220**, 4 (*pharmacol*)

Xibornol, BAN, INN X-00013

4,5-*Dimethyl*-2-(1,7,7-*trimethyltricyclo*[2.2]*hept*-2-*yl*)-*phenol*, *9CI. 6-Isobornyl*-3,4-*xylenol*, *8CI. 6*-(2-*Bornyl*)-3,4-*xylenol. Bactacine. Bracen. Nanbacine. Tumixol. Xibol. Xibor. CP 3*H

[13741-18-9]



$C_{18}H_{26}O$ M 258.403
Antibacterial agent, rubber antioxidant. Mp 94-96°. Bp_3 165-168°.

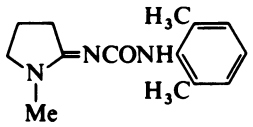
Moldovanskaya, G.I. *et al*, *CA*, 1967, **66**, 76163 (*synth*)

Starkov, S.P. *et al*, *Zh. Prikl. Khim.*, 1967, **40**, 224 (*synth*)
Capponi, M., *Bull. Soc. Pathol. Exot.*, 1969, **62**, 658 (*pharmacol*)
Voucotrub, M.H. *et al*, *Zh. Prikl. Spektrosk.*, 1970, **13**, 930 (*ir*)
Ger. Pat., 2 032 170, (*1971*); *CA*, **74**, 88171 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14022.

Xilobam, USAN, INN **X-00014**

N-(2,6-Dimethylphenyl)-N′-(1-methyl-2-pyrrolidinylidene)urea, 9CI. McN 3113

[50528-97-7]



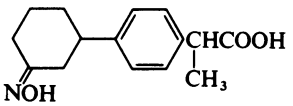
$C_{14}H_{19}N_3O$ M 245.324
Muscle relaxant. Mp 119-120°.
▷YT8850000.
B,HCl: [67531-76-4]. Mp 177-180°.
B,H_2SO_4: [67531-77-5]. Mp 160° dec.

Rasmussen, C.R. *et al*, *J. Med. Chem.*, 1978, **21**, 1044 (*synth, pharmacol*)
Gardocki, J.F. *et al*, *Arch. Int. Pharmacodyn. Ther.*, 1978, **233**, 326 (*pharmacol*)

Ximoprofen, INN **X-00015**

4-[3-(Hydroxyimino)cyclohexyl]-α-methylbenzeneacetic acid, 9CI. p-(*3-Oxocyclohexyl*)*hydratropic acid oxime*

[56187-89-4]



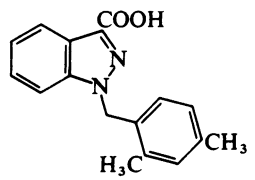
$C_{15}H_{19}NO_3$ M 261.320
(±)-form
Analgesic, antipyretic, antiinflammatory agent. Cryst. (MeOH aq.). Mp 178°.

Ger. Pat., 2 442 910, (*1975*); *CA*, **83**, 43056d (*synth, pharmacol*)
Maillard, J. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1977, **12**, 161 (*synth, pharmacol*)

Xinidamine, INN **X-00016**

1-(2,4-Dimethylbenzyl)-1H-indazole-3-carboxylic acid, 8CI

[50264-78-3]



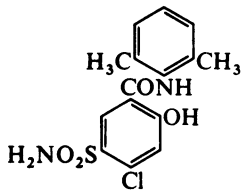
$C_{17}H_{16}N_2O_2$ M 280.326
Antispermatogenic agent. Mp 170° dec.
▷NK7886300.

Corsi, G. *et al*, *J. Med. Chem.*, 1976, **19**, 778 (*synth, pharmacol*)

Xipamide, BAN, INN, USAN **X-00017**

5-(Aminosulfonyl)-4-chloro-N-(2,6-dimethylphenyl)-2-hydroxybenzamide, 9CI. 4-Chloro-5-sulfamoyl-2′,6′-salicyloxylidide, 8CI. Acturin. Aquaforil. Aquaphor. Aquaphoril. Diurex. Diurexan. Zipex. Zipix. BEI 1293. MJF 10938

[14293-44-8]



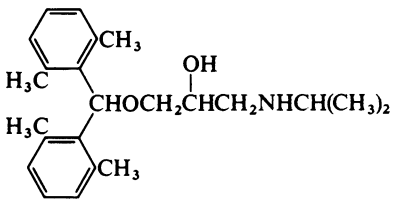
$C_{15}H_{15}ClN_2O_4S$ M 354.808
Diuretic, antihypertensive agent. Cryst. (MeOH aq.). Mp 256°.

Liebenow, W. *et al*, *Arzneim.-Forsch.*, 1975, **25**, 240 (*synth, pharmacol*)
Hempelmann, F.W., *Arzneim.-Forsch.*, 1977, **27**, 2140 (*props*)
Prichard, B.N.C. *et al*, *Drugs*, 1985, **30**, 313 (*rev, pharmacol*)

Xipranolol, INN **X-00018**

1-[Bis(2,6-dimethylphenyl)methoxy]-3-[(1-methylethyl)amino]-2-propanol, 9CI. 1-(Di-2,6-xylylmethoxy)-3-(isopropylamino)-2-propanol, 8CI

[19179-78-3]



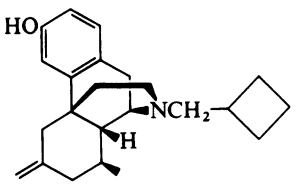
$C_{23}H_{33}NO_2$ M 355.519
(±)-form
β-Adrenergic blocker, antiarrhythmic agent.
B,HCl: [19179-88-5]. *BS 7977*-D. Mp 189-191°.

Netherlands Pat., 67 12 697, (*1968*); *CA*, **69**, 76905u (*synth, pharmacol*)
B.P., 1 266 454, (*1972*); *CA*, **76**, 140173 (*synth, pharmacol*)

Xorphanol, INN **X-00019**

17-(Cyclobutylmethyl)-8-methyl-6-methylenemorphinan-3-ol, 9CI

[77287-89-9]



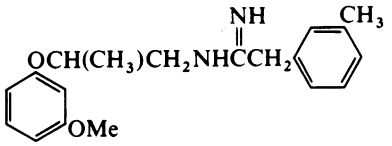
$C_{23}H_{31}NO$ M 337.504
Analgesic. Mp 165-169°.
B,$MeSO_3H$: [77287-90-2]. *Xorphanol mesylate,* USAN. *TR 5379*M.
▷QD0763000.

Polazzi, J.O. *et al*, *J. Med. Chem.*, 1981, **24**, 1516 (*synth, nmr, pharmacol*)

Xylamidine X-00020

N-[2-(3-Methoxyphenoxy)propyl]-3-methylbenzeneethanimidamide, 9CI. N-[2-(m-Methoxyphenoxy)propyl]-2-m-tolylacetamide. Xylamidine

[6443-50-1]



$C_{19}H_{24}N_2O_2$ M 312.411

(±)-form

Anticholinergic agent for treatment of duodenal and gastric ulcers. Serotonin inhibitor. Used mainly as tosylate salt.

4-Methylbenzenesulfonate salt: [6443-40-9]. *Xylamide tosylate. Xylamidine tosylate, USAN. Xylamidine tosilate, INN. BW 64-545. BW 545-C-64.* Mp 142-145°.

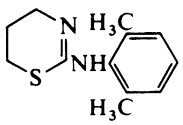
▷AD1010000.

Netherlands Pat., 6 508 754, (*1966*); *CA*, **65**, 2181e (*synth*)
Copp, F.C. *et al*, *Nature* (*London*), 1967, **214**, 200 (*pharmacol*)

Xylazine, BAN, INN X-00021

N-(2,6-Dimethylphenyl)-5,6-dihydro-4H-1,3-thiazin-2-amine, 9CI. 5,6-Dihydro-2-(2,6-xylidine)-4H-1,3-thiazine, 8CI. *Celactal. Rompun. Bayer 1470*

[7361-61-7]



$C_{12}H_{16}N_2S$ M 220.332

Sedative, analgesic, muscle relaxant. Cryst. (C_6H_6/pet. ether). Sol. dil. acids, C_6H_6, Me_2CO, $CHCl_3$, insol. H_2O. Mp 140-142°.

▷XJ0776300.

B,HCl: [23076-35-9]. *Xylazine hydrochloride, USAN.* Cryst. (EtOH/Et_2O). Mp 236-239°.

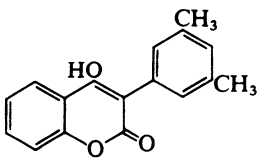
▷XJ0776350.

Simon, P. *et al*, *Therapie*, 1973, **28**, 651 (*pharmacol*)
Sohar, P. *et al*, *Acta Chim.* (*Budapest*), 1973, **75**, 99 (*ir*)
Jen, T. *et al*, *J. Med. Chem.*, 1975, **18**, 90 (*synth, pharmacol*)
Bujtas, G. *et al*, *Org. Mass Spectrom.*, 1976, **11**, 726 (*ms*)
Argay, G. *et al*, *Cryst. Struct. Commun.*, 1977, **6**, 665 (*cryst struct*)
Mohammad, F.K., *Vet. Med. Rev.*, 1987, 3 (*rev*)
Greene, S.A. *et al*, *J. Vet. Pharmacol. Ther.*, 1988, **11**, 295 (*rev, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14023.

Xylocoumarol, INN X-00022

3-(3,5-Dimethylphenyl)-4-hydroxy-2H-1-benzopyran-2-one. 4-Hydroxy-3-(3,5-xylyl)coumarin. *BS 7173D*

[15301-97-0]



$C_{17}H_{14}O_3$ M 266.296

Anticoagulant. Mp 216°.

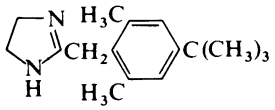
▷GN6765000.

van Zanten, B. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 29 (*synth, pharmacol*)

Xylometazoline, BAN, INN X-00023

2-[[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]methyl]-4,5-dihydro-1H-imidazole, 9CI. 2-(4-tert-Butyl-2,6-dimethylbenzyl)-2-imidazoline

[526-36-3]



$C_{16}H_{24}N_2$ M 244.379

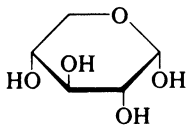
Vasoconstrictor, nasal decongestant, adrenergic agent. Cryst. (C_6H_6/pet. ether). Mp 131-133°.

▷NJ2380000.

B,HCl: [1218-35-5]. *Xylometazoline hydrochloride, USAN. Novorin. Olynth. Otrivine. Otrix. Other proprietary names.* Mp 327-329° dec.

U.S.P., 2 868 802, (*1959*); *CA*, **53**, 10253
Boon, P.F.G. *et al*, *J. Pharm. Pharmacol., Suppl.*, 1967, **19**, 88 (*glc*)
Mollica, J.A. *et al*, *Anal. Chem.*, 1973, **45**, 1859 (*hplc*)
Golander, Y. *et al*, *Anal. Profiles Drug Subst.*, 1985, **14**, 135 (*rev, synth, pharmacol, anal*)
Ghose, S. *et al*, *Acta Crystallogr., Sect. C*, 1986, **42**, 1524 (*cryst struct*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 4150.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2114.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2097.

Xylose, 9CI, 8CI X-00024



α-D-Pyranose-*form*

$C_5H_{10}O_5$ M 150.131

An aq. soln. at 31° contains 36.5% α-pyr, 63% β-pyr, <1% α- and β-fur and 0.02% aldehyde.

D-form [58-86-6]

Losan. Xylomed. Xylo-Pfan

Found mainly in the form of Xylan or as glycosides. Present in wood (maple and cherry), straw, corncobs, cottonseed hulls and pecan shells. Diagnostic aid (intestinal function determination). Mp 144-145°, Mp 153°. $[\alpha]_D^{20}$ +92° → 19° (H_2O).

Phenylosazone: Mp 165-167°. $[\alpha]_D$ −26° → +46° (EtOH).

p-*Bromophenylhydrazone:* Mp 128°. $[\alpha]_D$ −21°.

α-D-Pyranose-form [6763-34-4]

2,3,4-Tri-Ac: [10369-25-2].
$C_{11}H_{16}O_8$ M 276.243
Mp 160°. $[\alpha]_D^{20}$ +94° → +64° (c, 1.0 in Py).

Tetra-Ac: [4257-98-1]. *Tetra-O-acetyl-α-D-xylopyranose.*
$C_{13}H_{18}O_9$ M 318.280
Mp 58.5°. $[\alpha]_D$ +88.9° (c, 1.42 in $CHCl_3$).

1,2,4-Tribenzoyl: [56933-08-5].
$C_{26}H_{22}O_8$ M 462.455

Syrup. $[\alpha]_D$ +88° (Py).

2,3,4-Tribenzoyl: [56933-07-4].
$C_{26}H_{22}O_8$ M 462.455
Mp 181-183°. $[\alpha]_D$ +24° (5 min).

Tetrabenzoyl: [30319-44-9]. *1,2,3,4-Tetra-O-benzoyl-α-D-xylopyranoside.*
$C_{33}H_{26}O_9$ M 566.563
Mp 119-121°. $[\alpha]_D$ +149° ($CHCl_3$).

2,2,2-Trichloroethyl glycoside, tri-Ac: Mp 117-120°. $[\alpha]_D^{20}$ +130.3° ($CHCl_3$).

β-D-Pyranose-form [2460-44-8]

Tetra-Ac: [4049-33-6]. *Tetra-O-acetyl-β-D-xylopyranose.*
$C_{13}H_{18}O_9$ M 318.280
Mp 126-128°. $[\alpha]_D^{11}$ −24.4° ($CHCl_3$).

2,3,4-Tribenzyl, 1-(4-nitrobenzoyl): Mp 126-128°. $[\alpha]_D^{25}$ −52.4° (c, 1.0 in $CHCl_3$).

2,2,2-Trichloroethyl glycoside, tri-Ac: Mp 155-157°. $[\alpha]_D^{20}$ −64.5° ($CHCl_3$).

α-D-Furanose-form

1,2:3,5-Di-O-benzylidene: [18422-74-7]. *1,2:3,5-Di-O-benzylidene-α-D-xylofuranose.*
$C_{19}H_{18}O_5$ M 326.348
Mp 155-156°. $[\alpha]_D$ +27° ($CHCl_3$).

1,2:3,5-Di-O-benzylidene (second isomer): [18422-73-6].
Mp 132-133°. $[\alpha]_D$ +25° ($CHCl_3$).

β-D-Furanose-form [37110-85-3]

2,3,5-Tri-Ac, 1-benzoyl: [55734-49-1]. *2,3,5-Tri-O-acetyl-1-O-benzoyl-β-D-xylofuranose.*
$C_{18}H_{20}O_9$ M 380.351
Syrup. $[\alpha]_D^{25}$ −46.8° ($CHCl_3$).

L-form [609-06-3]
Mp 144°. $[\alpha]_D^{20}$ −79.3° → −18.6° (H_2O).

Phenylosazone: Mp 160-163°. $[\alpha]_D$ +0.1° (Py/EtOH).

2,4-Dinitrophenylhydrazone: Mp 165°.

α-L-Pyranose-form [7296-58-4]

Tetra-Ac: Tetra-O-acetyl-α-L-xylofuranose.
$C_{13}H_{18}O_9$ M 318.280
Mp 86°. $[\alpha]_D^{21}$ +17.6° ($CHCl_3$).

Tetrabenzoyl: Mp 115-116°. $[\alpha]_D^{20}$ −115° ($CHCl_3$).

β-L-Pyranose-form

Tetra-Ac: Tetra-O-acetyl-β-L-xylopyranose.
$C_{13}H_{18}O_9$ M 318.280
Mp 126°. $[\alpha]_D^{25}$ +25.7° ($CHCl_3$).

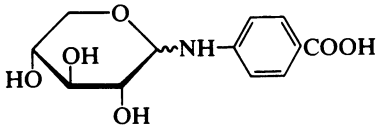
Tetrabenzoyl: 2,3,4,5-Tetra-O-benzoyl-β-L-xylopyranoside.
$C_{33}H_{26}O_9$ M 566.563
Mp 173-174°. $[\alpha]_D^{20}$ +44.5° ($CHCl_3$).

DL-form
Mp 129-131°.

De Belder, A.N., *Adv. Carbohydr. Chem. Biochem.*, 1965, **20**, 219; 1977, **34**, 179 (*acetals*)
Hough, L. *et al*, *Rodd's Chemistry of Carbon Compds.*, 1967, **1F**, 231 (*occur, isol*)
Bock, K. *et al*, *Tetrahedron Lett.*, 1973, **13**, 1037 (*cmr*)
Batey, J.F. *et al*, *Carbohydr. Res.*, 1975, **43**, 43.
Bock, K. *et al*, *Acta Chem. Scand., Ser. B*, 1975, **29**, 185, 258, 389.
Excoffer, G. *et al*, *Carbohydr. Res.*, 1975, **39**, 368.
Magnusson, G. *et al*, *Acta Chem. Scand., Ser. B*, 1981, **35**, 213 (*glycoside*)
Angyal, S.J., *Adv. Carbohydr. Chem. Biochem.*, 1984, **42**, 15 (*equilib*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2154.

(Xylosylamino)benzoic acid, 8CI X-00025

N-(*4-Carboxyphenyl*)*xylosamine*



$C_{12}H_{15}NO_6$ M 269.254

D-pyranose-form [27661-27-4]

Benaxibine, INN. *Chevalizon. K-247*

Antineoplastic agent (cyclophosphamide synergizer); antidiabetic, antihypertensive agent. Cryst. (EtOH aq.). Mp 172°. $[\alpha]_D^{20}$ +61.6° (EtOH).

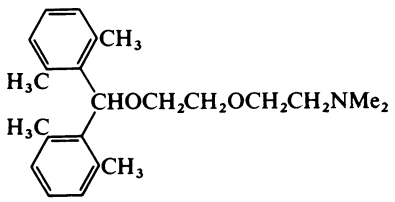
Na salt: [72782-43-5]. Cryst. (Me_2CO aq.). Mp 149-158°.

Inoue, Y. *et al*, *J. Agr. Chem. Soc. Jpn.*, 1951, **25**, 59; *CA*, **48**, 2001c (*synth*)
Shcherbukhin, V.D. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1967, **174**, 725; **177**, 607 (*ir*)
Stepanenko, B.N. *et al*, *Dokl. Akad. Nauk SSSR, Ser. Sci. Khim.*, 1967, **177**, 607.
U.S.P., 4 315 921, (*1982*); *CA*, **96**, 168753d (*synth, pharmacol*)

Xyloxemine, INN X-00026

2-[2-[Bis(2,6-dimethylphenyl)methoxy]ethoxy]-N,N-dimethylethanamine, 9CI. 2-[2-Di-(2,6-xylylmethoxy)-ethoxy]-N,N-dimethylethylamine, 8CI. BS 6748

[1600-19-7]



$C_{23}H_{33}NO_2$ M 355.519
Antitussive. $Bp_{0.1}$ 176-180°.

B,HCl: [2827-06-7]. Mp 133-135°.

▷KR7350000.

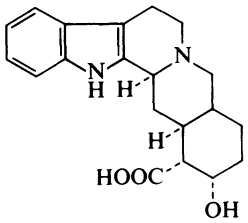
van der Stelt, C. *et al*, *Arzneim.-Forsch.*, 1964, **14**, 1053 (*synth, pharmacol*)

Y

Yohimbic acid, INN **Y-00001**

17α-Hydroxyyohimban-16α-carboxylic acid, 9CI

[522-87-2]



$C_{20}H_{24}N_2O_3$ M 340.421

Sympatholytic agent. Cryst. (MeOH or EtOH). Mp 280-300°. $[\alpha]_D$ +148.7°.

Monohydrate: Cryst. (H_2O). Mp 265°.

Me ester: see Yohimbine, Y-00002

Et ester:

$C_{22}H_{28}N_2O_3$ M 368.475

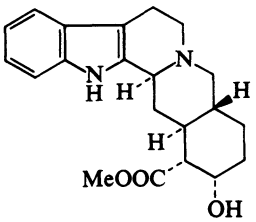
Mp 190°.

Spiegel, L., *Ber.*, 1903, **36**, 169 (*isol*)
Field, E., *J. Chem. Soc.*, 1923, 3003 (*ester*)
Worrall, D.E., *J. Am. Chem. Soc.*, 1933, **55**, 3715 (*esters*)
Janot, M.M. *et al*, *Bull. Soc. Chim. Fr.*, 1949, 509 (*synth*)
Raymond-Hamet, *C.R. Hebd. Seances Acad. Sci.*, 1963, **257**, 2351 (*pharmacol*)

Yohimbine **Y-00002**

Methyl (16α,17α)-17-hydroxyyohimban-16-carboxylate, 9CI. *Hydroergotocin. Aphrodine. Corynine. Quebrachine. Corymbin. Yohimvetol*

[146-48-5]



(+)-*form*
Absolute configuration

$C_{21}H_{26}N_2O_3$ M 354.448

▷ZG1000000.

(+)-*form*

Alkaloid from *Alchorea, Alstonia, Amsonia, Aspidosperma, Catharanthus, Corynanthe, Diplorhynchus, Rauwolfia, Vinca, Pausinystalia, Lochnera, Pouteria, Hunteria* and *Pseudocinchona* spp. (Apocynaceae, Rubiaceae). Preferential presynaptic α-adrenolytic agent. Yohimbine and its stereoisomers are used as tools for study of different adrenoceptor sites. Antidepressant used clinically. Shows hypertensive activity, causes vasopressin release and shows antidiuretic activity. Alleged aphrodisiac. Needles (EtOH aq.). Mp 241° (235-236°). $[\alpha]_D^{20}$ +108° (Py).

▷Toxic

B,HCl: [65-19-0]. *Yohimbine hydrochloride,* INN. *Yocon. Yohimex. Yohydrol. Gynimbine. Menolysin. Parkimbine. Tosanpin. Yobinol.* Plates. Mp 302°. $[\alpha]_D^{22}$ +103° (H_2O). Component of Potensan, Vikonon.

▷ZG1015000.

O-*Ac:* [15471-41-7]. **O-*Acetylyohimbine*.**
$C_{23}H_{28}N_2O_4$ M 396.485
Alkaloid from *Aspidosperma excelsum* (Apocynaceae). Mp 150°.

O-*Ac; B,HCl:* [14430-18-3]. Mp 274-275° dec.

(±)-*form* [24252-70-8]

Synthetic. Mp 218-220°.

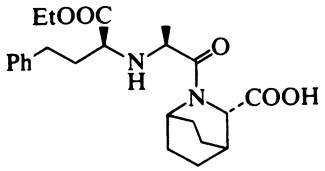
Swan, G.A., *J. Chem. Soc.*, 1950, 1534 (*struct*)
Marion, L., *Alkaloids (N.Y.)*, 1952, **2**, 406 (*rev, bibl, occur*)
van Tamelen, E.E. *et al*, *J. Am. Chem. Soc.*, 1958, **80**, 5006 (*synth*)
Albright, J.D. *et al*, *J. Org. Chem.*, 1963, **28**, 38 (*pmr*)
Ban, Y. *et al*, *Tetrahedron*, 1964, **20**, 2877 (*sterochem*)
Benoin, P.R. *et al*, *Can. J. Chem.*, 1967, **45**, 725 (*isol, deriv*)
Klyne, W. *et al*, *Helv. Chim. Acta*, 1967, **50**, 115 (*ord*)
Fales, H.M. *et al*, *J. Am. Chem. Soc.*, 1970, **92**, 1590 (*ms*)
Stork, G. *et al*, *J. Am. Chem. Soc.*, 1972, **94**, 5109 (*synth*)
Ambady, G. *et al*, *J. Cryst. Mol. Struct.*, 1973, **3**, 37 (*cryst struct, abs config*)
Levin, R.H. *et al*, *J. Org. Chem.*, 1973, **38**, 1983 (*cmr*)
Szantay, C. *et al*, *Chem. Ber.*, 1976, **109**, 1737 (*synth*)
Miet, C. *et al*, *Phytochemistry*, 1977, **16**, 807 (*pmr*)
Fanso-Free, S.N.Y. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 1549 (*N nmr*)
Wenkert, E. *et al*, *J. Am. Chem. Soc.*, 1979, **101**, 5370 (*synth*)
Timmermans, P.B.H.W.M. *et al*, *J. Med. Chem.*, 1982, **25**, 1389 (*rev, pharmacol*)
Miyata, O. *et al*, *J. Chem. Soc., Chem. Commun.*, 1983, 1231 (*synth*)
Blasko, G. *et al*, *Justus Liebigs Ann. Chem.*, 1986, 655 (*synth*)
Szantay, C. *et al*, *Alkaloids*, 1986, **27**, 131 (*rev*)
Mekkawi, A.G. *et al*, *Anal. Profiles Drug Subst.*, 1987, **16**, 731 (*rev, synth, anal, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14024.
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2748.

Z

Zabicipril, INN **Z-00001**

2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-2-azabicyclo[2.2.2]octane-3-carboxylic acid, 9CI

[83059-56-7]



$C_{23}H_{32}N_2O_5$ M 416.516

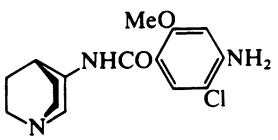
Antihypertensive agent.

Eur. Pat., 51 020, (*1982*); *CA*, **97**, 144792k (*synth, pmr*)

Zacopride, INN **Z-00002**

4-Amino-N-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxybenzamide, 9CI

[90182-92-6]



$C_{15}H_{20}ClN_3O_2$ M 309.795

Antiemetic. Glassy, amorph. solid.

B,HCl: [101303-98-4]. *Zacopride hydrochloride,* USAN. Cryst. + $1H_2O$ (Me_2CO aq.). Mp 158-160°.

Fumarate (1:1): [99146-52-8]. *AHR 11190.* Cryst. (MeOH aq./isopropyl ether). Mp 223-225°.

N^4-*Me:* [89613-77-4]. ***Mezacopride, INN.*** N-(*1-Azabicyclo[2.2.2]oct-3-yl*)-*5-chloro-2-methoxy-4-(methylamino)benzamide.*

$C_{16}H_{22}ClN_3O_2$ M 323.822

Antiemetic.

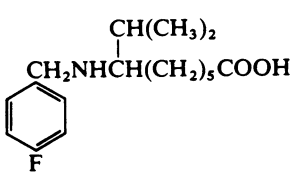
N^4-*Me; B,HCl:* [99617-33-1]. *Mezacopride hydrochloride. AHR 12135*B. Cryst. (EtOH aq.). Mp 255-258°.

N^4-*Me; Fumarate (1:1):* Cryst. (MeOH aq.). Mp 237-238°.

Eur. Pat., 158 532, (*1985*); *CA*, **104**, 148760 (*synth, pharmacol*)
U.S.P., 4 605 652, (*1986*); *CA*, **106**, 67141 (*mezacopride*)
Smith, W.L. *et al*, *J. Pharm. Pharmacol.*, 1988, **40**, 142 (*props*)

Zafuleptine, INN **Z-00003**

7-[[(4-Fluorophenyl)methyl]amino]-8-methylnonanoic acid, 9CI



$C_{17}H_{26}FNO_2$ M 295.396

(+)-***form*** [59210-06-9]

Mp 91-99°. $[\alpha]_{578}^{22}$+5° (c, 0.3 in pH7 buffer).

(−)-***form*** [59210-05-8]

Cryst. (MeCN). Mp 91-100°. $[\alpha]_{578}^{22}$−5.1° (c, 0.3 in pH7 buffer).

(±)-***form*** [59209-97-1]

Thymeon

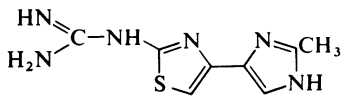
Antidepressant.

Ger. Pat., 2 710 807, (*1977*); *CA*, **87**, 201126 (*synth, resoln, pharmacol*)

Zaltidine, INN, BAN **Z-00004**

[4-(2-Methyl-1H-imidazol-5-yl)-2-thiazolyl]guanidine, 9CI

[85604-00-8]



$C_8H_{10}N_6S$ M 222.267

Histamine H_2-receptor antagonist.

B,2HCl: [90274-23-0]. *Zaltidine hydrochloride,* USAN. *CP 57361-01.* Cryst. (2-propanol).

B,HBr: [82982-53-4]. Mp 158° dec.

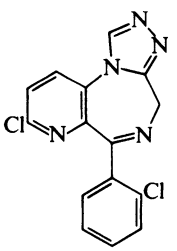
B,2HBr: [102996-07-6]. Mp 300° dec.

Laferla, G. *et al*, *Br. J. Clin. Pharmacol.*, 1986, **22**, 395 (*pharmacol*)
Lipinski, C.A. *et al*, *J. Med. Chem.*, 1986, **29**, 2154 (*synth, pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18696.

Zapizolam, INN **Z-00005**

8-Chloro-6-(2-chlorophenyl)-4H-pyrido[2,3-f]-1,2,4-triazolo[4,3-a][1,4]diazepine, 9CI. *D 13129*

[64098-32-4]



$C_{15}H_9Cl_2N_5$ M 330.176

Anticonvulsant. Cryst. Mp 247-248°.

▷UV1200300.

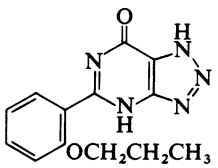
N-*Oxide:* [64098-30-2]. Cryst. Mp 242-244°.

Ger. Pat., 2 649 116, (*1977*); *CA*, **87**, 135424h (*synth, pharmacol*)

Zaprinast, BAN, INN **Z-00006**

1,4-Dihydro-5-(2-propoxyphenyl)-7H-1,2,3-triazolo[4,5-d]pyrimidin-7-one, 9CI. 2-(2-Propoxyphenyl)-8-azahypoxanthine. M&B 22948

[37762-06-4]



$C_{13}H_{13}N_5O_2$ M 271.278

Antiallergic, antiasthmatic agent. Prisms (MeOH). Mp 241° dec.

Broughton, B.J. *et al, J. Med. Chem.*, 1975, **18**, 1117 (*synth, pharmacol*)

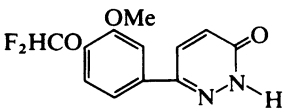
Wilson, S.R. *et al, J. Am. Chem. Soc.*, 1982, **104**, 259 (*cryst struct*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14026.

Zardaverine **Z-00007**

6-[4-(Difluoromethoxy)-3-methoxyphenyl]-3(2H)-pyridazinone, 9CI

[101975-10-4]



$C_{12}H_{10}F_2N_2O_3$ M 268.219

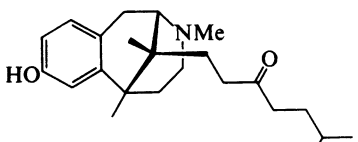
Bronchospasmolytic agent. Cryst. (2-propanol). Mp 204°.

Eur. Pat., 163 965, (*1985*); *CA*, **104**, 186435q (*synth, pharmacol*)

Zenazocine **Z-00008**

1-(1,2,3,4,5,6-Hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-6-methyl-3-heptanone, 9CI

[68681-43-6]



$C_{23}H_{35}NO_2$ M 357.535

Analgesic.

B,HCl: Mp 260-263°.

B,MeSO$_3$H: [74559-85-6]. *Win 42964-4. Zenazocine mesylate, USAN.*

(+)-*form*

B,HCl:

Mp 240-242°. $[\alpha]_D^{25}$ +32.1° (c, 1 in EtOH).

Aceto, M.D. *et al, NIDA Res. Monogr.*, 1979, **27**, 330 (*pharmacol*)

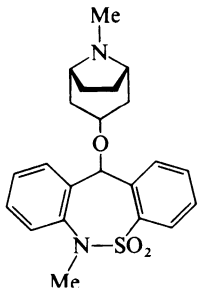
Michine, W.F. *et al, J. Med. Chem.*, 1979, **22**, 1158 (*synth, pharmacol*)

B.P., 1 565 935, (*1980*); *CA*, **94**, 30586 (*synth, pharmacol*)

Zepastine, INN **Z-00009**

6,11-Dihydro-6-methyl-11-(8-methyl-8-azabicyclo[3.2.1]oct-3-yloxy)dibenzo[c,f][1,2]-thiazepine 5,5-dioxide, 9CI. 6,11-Dihydro-6-methyl-11-(1α,5α-tropan-3α-yloxy)dibenzo[c,f]thiazepine 5,5-dioxide, 8CI

[28810-23-3]



$C_{22}H_{26}N_2O_3S$ M 398.519

(±)-*form*

Antihistamine, anticholinergic. Cryst. (EtOAc). Mp 162°.

Maleate: [28266-61-7]. *RN 927.* Cryst. (EtOH). Mp 215°.

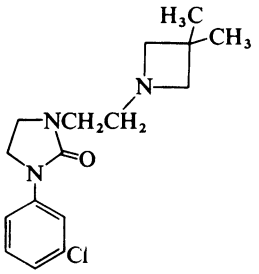
Allain, P. *et al, Therapie*, 1969, **24**, 1011 (*pharmacol*)

U.S.P., 3 700 663, (*1972*); *CA*, **78**, 16252e (*synth, pharmacol*)

Zetidoline, BAN, INN **Z-00010**

1-(3-Chlorophenyl)-3-[2-(3,3-dimethyl-1-azetidinyl)-ethyl]-2-imidazolidinone, 9CI

[51940-78-4]



$C_{16}H_{22}ClN_3O$ M 307.822

Antipsychotic, neuroleptic agent. Cryst. (hexane). Mp 84-85°.

B,HCl: [74315-62-1]. *L 9308. DL-308-IT. MDL-308.* Mp 191-192°.

Ger. Pat., 2 337 414, (*1974*); *CA*, **80**, 120943h (*synth, pharmacol*)

Fontanella, L. *et al, Farmaco, Ed. Sci.*, 1981, **36**, 3 (*synth, pharmacol*)

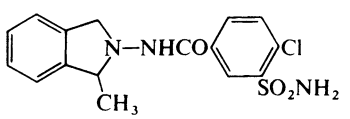
Corsico, N. *et al, J. Pharm. Pharmacol.*, 1982, **34**, 129 (*pharmacol*)

Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 17034.

Zidapamide, INN **Z-00011**

3-(Aminosulfonyl)-4-chloro-N-(1,3-dihydro-1-methyl-2H-isoindol-2-yl)benzamide, 9CI. 4-Chloro-N-(1-methyl-2-isoindolinyl)-3-sulfamoylbenzamide. Isodapamide

[75820-08-5]



$C_{16}H_{16}ClN_3O_3S$ M 365.834

(±)-form

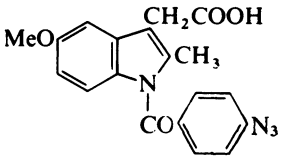
Antihypertensive, diuretic. Cryst. (EtOH). Mp 210-212°.

Ger. Pat., 3 009 932, (*1980*); *CA*, **91**, 239226k (*synth, pharmacol*)

Zidometacin, USAN, INN Z-00012

1-(4-Azidobenzoyl)-5-methoxy-2-methyl-1H-indole-3-acetic acid, 9CI

[62851-43-8]



$C_{19}H_{16}N_4O_4$ M 364.360

Antiinflammatory drug. Light-yellow cryst. (C_6H_6). Mp 170-172°.

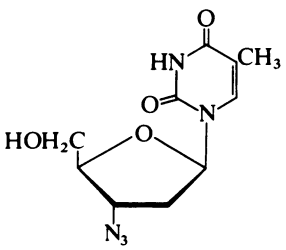
▷LD_{50} 250 mg/kg; mice, p.o.

Tricerri, S. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1979, **14**, 181 (*synth, pharmacol*)
Riva, M. *et al*, *Drugs Exp. Clin. Res.*, 1981, **7**, 617 (*pharmacol*)
Usardi, M.M. *et al*, *Pharmacol. Res. Commun.*, 1981, **13**, 301 (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1587.

Zidovudine, BAN, INN, USAN Z-00013

3'-Azidothymidine. 3'-Azido-3'-deoxythymidine, 9CI. Retrovir. BW A509U. AZT

[30516-87-1]



$C_{10}H_{13}N_5O_4$ M 267.244

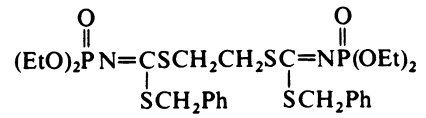
Antiviral agent active exclusively against retroviruses, esp. AIDS virus and leukaemias. Drug of choice (1986) for AIDS treatment. Needles (Et_2O). Mp 106-112°, Mp 119-121° (after drying). $[\alpha]_D^{25}$ +99° (c, 0.5 in H_2O).

Horowitz, J.P. *et al*, *J. Org. Chem.*, 1964, **29**, 2076 (*synth, uv*)
Lin, T-S. *et al*, *J. Med. Chem.*, 1978, **21**, 109 (*synth*)
Mitsuya, H. *et al*, *Proc. Nat. Acad. Sci., USA*, 1985, **82**, 7096 (*pharmacol*)
Dyer, I. *et al*, *Acta Crystallogr., Sect. C*, 1988, **44**, 767 (*cryst struct*)
Fleet, G.W.J. *et al*, *Tetrahedron*, 1988, **44**, 625 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 18797.

Zilantel, USAN, INN Z-00014

1,2-Ethanediyl bis(phenylmethyl)carbonimidodithioate, 9CI. Ethylene dibenzyl P,P,P',P'-tetraethylphosphonodithioimidocarbonate, 8CI. CL 64976

[22012-72-2]



$C_{26}H_{38}N_2O_6P_2S_4$ M 664.784

Anthelmintic agent. Cryst. (H_2O). Mp 67.5-68.5°.

South African Pat., 68 01 720, (*1968*); *CA*, **70**, 86572t (*synth, pharmacol*)
U.S.P., 3 691 283, (*1972*); *CA*, **77**, 156345 (*synth, ir*)

Zimeldine, BAN, INN Z-00015

3-(4-Bromophenyl)-N,N-dimethyl-3-(3-pyridinyl)-2-propen-1-amine, 9CI. 4-Bromo-γ-(3-pyridyl)-cinnamyldimethylamine. Zimelidine



$C_{16}H_{17}BrN_2$ M 317.228

(*Z*)-*form* shown. Antidepressant.

(*E*)-form [56775-89-4]

Sesquioxalate: Cryst. (MeOH). Mp 174-176°.

(*Z*)-form [56775-88-3]

The clinically effective isomer.

▷UC6555000.

B,2HCl: [61129-30-4]. *Zimeldine hydrochloride, USAN. H102/09. Normud. Zelmid. Zelmidine.* Cryst. + $1H_2O$ (2-propanol aq.). Mp 192-194°.

Abrahamsson, S. *et al*, *Acta Chem. Scand., Ser. A*, 1976, **30**, 609 (*cryst struct*)
Högberg, T., *Acta Chem. Scand., Ser. B*, 1980, **34**, 629 (*pmr, config*)
Lundström, J. *et al*, *Arzneim.-Forsch.*, 1981, **31**, 486 (*metab*)
Carnmalm, B. *et al*, *Acta Chem. Scand., Ser. B*, 1982, **36**, 91 (*synth, bibl*)
Heel, R.C. *et al*, *Drugs*, 1982, **24**, 169 (*rev, pharmacol*)
Hoegberg, T. *et al*, *J. Org. Chem.*, 1984, **49**, 4209 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14028.

Zinc chloride Z-00016

Zinctrace

[7646-85-7]

$ZnCl_2$

Cl_2Zn M 136.286

Astringent, dentin desensitiser. Deliquesc.cryst. Mp ca. 290°. Bp 732°. ^{65}Zn labelled cpd. used as radioactive agent.

▷ZH1400000.

Bruner, H.D., *Fed. Proc.*, 1950, **9**, 260 (*tox*)
Brauer, G., *Handbuch Prap. Anorg. Chem.*, 3rd Edn., 1975-1981, 1023 (*synth*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5329.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3513.

Zinc oxide Z-00017

[1314-13-2]

ZnO

OZn M 81.379

Astringent, topical protectant. Hexagonal cryst. Component of Wyanoids and Ziradryl. Used extensively in pigment industry.

▷ZH4810000.

U.S.P., 2 372 367, (*1945*); *CA*, **39**, 3405[7] (*purifn*)
Lowenheim, F.A. *et al*, (*Eds.*), *Industrial Chemicals*, 4th Ed., Wiley-Interscience, N.Y., 1975, 882 (*synth*)
Colour Index, 3rd Ed., **4**, 4687.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1660.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3517.

Zinc sulfate Z-00018

Verazinc. Zincate. Zincomed

[7733-02-0]

$ZnSO_4$

O_4SZn M 161.438

Ophthalmic astringent (used to reduce corneal inflammation in conjunctivitis). Colourless rhombic cryst. Mp 680° dec. Component of Phenylzin and Zincfrin. Forms several stable hydrates.

▷ZH5260000.

Heptahydrate: [7446-20-0]. Mp 100°. Dec. >500°.

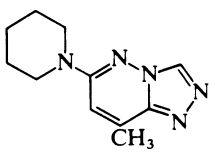
▷ZH5300000.

Michaelsson, G. *et al*, *Arch. Dermatol.*, 1977, **113**, 31 (*use*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5330.
Sax, N.I. *et al*, *Dangerous Properties of Industrial Materials*, 7th Ed., Van Nostrand-Reinhold, 1989, 3520, 3521.

Zindotrine, INN, USAN Z-00019

8-Methyl-6-(1-piperidinyl)-1,2,4-triazolo[4,3-b]-pyridazine, *9CI*. *MDL 257*

[56383-05-2]



$C_{11}H_{15}N_5$ M 217.273

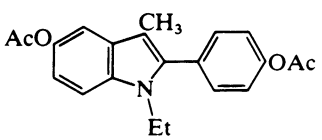
Bronchodilator. Cryst. (EtOAc). Mp 118-120°.

U.S.P., 4 136 182, (*1979*); *CA*, **90**, 145958 (*synth, pharmacol*)
Abdallah, A.H. *et al*, *Drug Dev. Res.*, 1986, **7**, 185 (*pharmacol*)
Coutant, J.E. *et al*, *Biomed. Environ. Mass Spectrom.*, 1987, **14**, 325 (*ms, metab*)

Zindoxifene, INN Z-00020

2-[4-(Acetyloxy)phenyl]-1-ethyl-3-methyl-1H-indol-5-ol acetate (ester), *9CI*. *D 16726*. *NSC 341952*

[86111-26-4]



$C_{21}H_{21}NO_4$ M 351.401

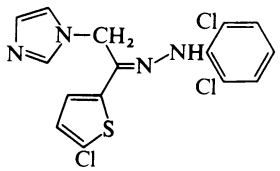
Antioestrogen (mammary tumour inhibitor). Mp 146-147°.

Von Angerer, E. *et al*, *Cancer Treat. Rev.*, 1984, **11**, 147 (*pharmacol*)
Von Angerer, E. *et al*, *J. Med. Chem.*, 1984, **27**, 1439 (*synth, pharmacol*)
Von Angerer, E. *et al*, *Eur. J. Cancer Clin. Oncol.*, 1985, **21**, 531 (*pharmacol*)

Zinoconazole, INN Z-00021

1-(5-Chloro-2-thienyl)-2-(1H-imidazol-1-yl)ethanone (2,6-dichlorophenyl)hydrazone, *9CI*

[84697-21-2]



$C_{15}H_{11}Cl_3N_4S$ M 385.698

(E)-form

Antifungal agent.

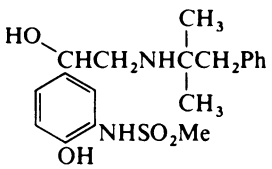
B,HCl: [80168-44-1]. *Zinoconazole hydrochloride*, *USAN*. *SC 38390*. Mp 186-188°.

Dyer, R.L. *et al*, *J. Med. Chem.*, 1983, **26**, 442 (*synth, pharmacol, nmr*)

Zinterol, INN Z-00022

N-[5-[2-[(1,1-Dimethyl-2-phenylethyl)amino]-1-hydroxyethyl]-2-hydroxyphenyl]methanesulfonamide, *9CI*

[37000-20-7]



$C_{19}H_{26}N_2O_4S$ M 378.485

Bronchodilator.

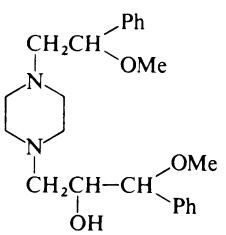
B,HCl: [38241-28-0]. *Zinterol hydrochloride*, *USAN*. *MJ 9184-1*. Mp 215-216°.

Temple, D.L. *et al*, *J. Med. Chem.*, 1976, **19**, 626 (*synth, pharmacol*)

Zipeprol, INN Z-00023

4-(2-Methoxy-2-phenylethyl)-α-(methoxyphenylmethyl)-1-piperazineethanol, *9CI*. *α-(α-Methoxybenzyl)-4-(β-methoxyphenethyl)-1-piperazineethanol*. *CERM 3024*

[34758-83-3]



$C_{23}H_{32}N_2O_3$ M 384.517

Antitussive. Mp 83°. Numerous tradenames.

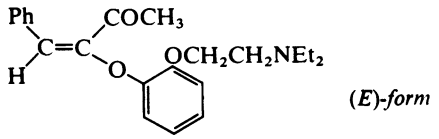
B,HCl: [34758-84-4]. *Respilene*.

▷TL9310000.

Ger. Pat., 2 109 366, (*1971*); *CA*, **76**, 3898d (*synth, pharmacol*)
Beckett, A.H. *et al*, *J. Pharm. Pharmacol.*, 1976, **28**, 27P; 1977, **29**, 589, 645 (*pharmacol*)
Cosnier, D. *et al*, *Arzneim.-Forsch.*, 1976, **26**, 528, 848 (*pharmacol*)
Achari, R. *et al*, *J. Pharm. Pharmacol.*, 1981, **33**, 747 (*metab*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th Ed., Akademie-Verlag, Berlin, 1987, 6972 (*synonyms*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 5633.

Zocainone, INN **Z-00024**

3-[2-[2-(Diethylamino)ethoxy]phenoxy]-4-phenyl-3-buten-2-one, *9CI*



(*E*)-*form*

$C_{22}H_{27}NO_3$ M 353.460

(*E*)-***form*** [68876-74-4]

Antiarrhythmic agent. $Bp_{0.6}$ 200-210°.

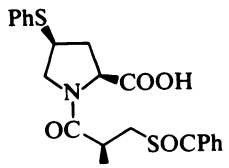
Citrate: Mp 108-109°.

Ger. Pat., 2 504 790, (*1975*); *CA*, **83**, 192834h (*synth, pharmacol*)

Zofenopril, INN **Z-00025**

1-[3-(Benzoylthio)-2-methyl-1-oxopropyl]-4-(phenylthio)-L-proline, *9CI*

[81872-10-8]



$C_{22}H_{23}NO_4S_2$ M 429.548

Antihypertensive agent (angiotensin converting enzyme inhibitor).

Ca salt (2:1): [81938-43-4]. *Zofenopril calcium*, *USAN*. *SQ 26991*. Mp 235-237°.

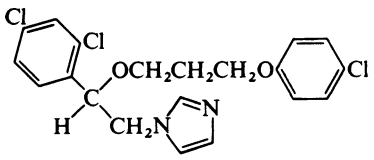
K salt: [81938-42-3]. Cryst. + $1\frac{1}{2}H_2O$. Mp 195-205°. $[\alpha]_D$ −14° (c, 1 in H_2O).

Mackaness, G.B., *J. Cardiovasc. Pharmacol.*, 1985, **7**, 30 (*pharmacol, rev*)
Krapcho, J. *et al*, *J. Med. Chem.*, 1988, **31**, 1148 (*synth, pharmacol*)

Zoficonazole, INN **Z-00026**

1-[2-[3-(4-Chlorophenoxy)propoxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole, *9CI*. *1-[2,4-Dichloro-β-[3-(p-chlorophenoxy)propoxy]phenethyl]-1H-imidazole*

[71097-23-9]



$C_{20}H_{19}Cl_3N_2O_2$ M 425.741

(±)-***form***

Antibacterial agent.

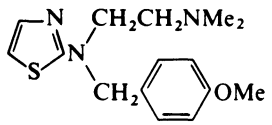
B,HNO₃: [71097-24-0]. Cryst. Mp 114-115°.

Cozzi, P. *et al*, *Eur. J. Med. Chem.-Chim. Ther.*, 1982, **17**, 139 (*synth, pharmacol*)

Zolamine, INN **Z-00027**

N-[(4-Methoxyphenyl)methyl]-N′,N′-dimethyl-N-2-thiazolyl-1,2-ethanediamine, *9CI*. *2-[[2-(Dimethylamino)ethyl]-(p-methoxybenzyl)amino]-thiazole*, *8CI*

[553-13-9]



$C_{15}H_{21}N_3OS$ M 291.410

Anthistamine, topical anaesthetic. Oily liq. with putrid odour. Bp_7 217-219°.

B,HCl: [1155-03-9]. *Zolamine hydrochloride*, *USAN*. *B 194*. *Wl 291*. Bitter-tasting cryst. Mp 167.5-167.8°. Component of Otodyne.

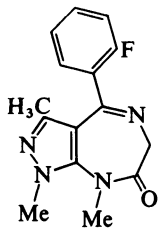
▷XJ4500000.

Bernstein, T.B. *et al*, *J. Lab. Clin. Med.*, 1949, **34**, 1007 (*pharmacol*)
Keenan, G.L. *et al*, *J. Am. Pharm. Assoc.*, 1950, **39**, 333 (*cryst struct*)
Saijo, S., *J. Pharm. Soc. Jpn.*, 1952, **72**, 1009 (*synth*)
Sax, N.I., *Dangerous Properties of Industrial Materials*, 6th Ed., Van Nostrand-Reinhold, 1984, 2760.

Zolazepam, BAN, INN **Z-00028**

4-(2-Fluorophenyl)-6,8-dihydro-1,3,8-trimethylpyrazolo[3,4-e][1,4]diazepin-7(1H)-one, *9CI*. *Flupyrazopon*

[31352-82-6]



$C_{15}H_{15}FN_4O$ M 286.308

Sedative for veterinary use. Mp 229-231°.

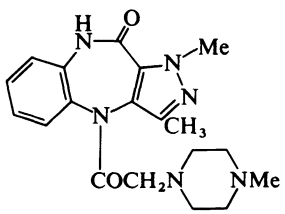
B,HCl: [33754-49-3]. *Zolazepam hydrochloride*, *USAN*. *CI-716*. Component of Telazol.

DeWald, H.A., *J. Heterocycl. Chem.*, 1974, **11**, 1061; *J. Med. Chem.*, 1977, **20**, 1562 (*synth, pharmacol*)

Zolenzepine, INN **Z-00029**

4,9-Dihydro-1,3-dimethyl-4-[(4-methyl-1-piperazinyl)-acetyl]pyrazolo[4,3-b]benzodiazepin-10(1H)-one, *9CI*

[78208-13-6]

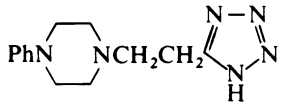


$C_{19}H_{24}N_6O_2$ M 368.438

Antiulcer agent. Cryst. (toluene). Mp 186-188°.

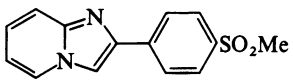
B,2HCl: [78208-14-7]. Mp 222-224° dec.
Fumarate (2:1): [78208-15-8]. Mp 257-258° dec.
Ger. Pat., 3 029 281, (*1981*); *CA*, **95**, 43185t (*synth, pharmacol*)

Zolertine, INN **Z-00030**
1-Phenyl-4-[2-(1H-tetrazol-5-yl)ethyl]piperazine, 9CI, 8CI. Phenpiperazole. MA 1277
[4004-94-8]



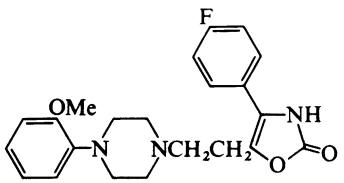
$C_{13}H_{18}N_6$ M 258.325
Antiadrenergic, vasodilator.
B,HCl: [7241-94-3]. *Zolertine hydrochloride, USAN.* Mp 206-207°.
B,2HCl: [4005-10-1]. Mp 200-201° dec.
Hayao, S. *et al, J. Med. Chem.*, 1967, **10**, 400 (*synth, pharmacol*)

Zolimidine, INN **Z-00031**
2-[4-(Methylsulfonyl)phenyl]imidazo[1,2-a]pyridine, 9CI. Zoliridine. Gastromidin. Gastronilo. Mutil. Selvimidine. Solimidine. UGD
[1222-57-7]



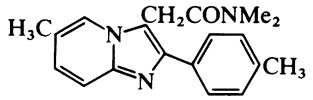
$C_{14}H_{12}N_2O_2S$ M 272.321
Gastric secretion stimulant. Mp 242-244°.
▷NJ5758500.
Almirante, L. *et al, J. Med. Chem.*, 1965, **8**, 305 (*synth, tox, pharmacol*)
Murmann, W. *et al, Panminerva Med.*, 1974, **16**, 301, 321, 335 (*pharmacol*)
Picco, S. *et al, Farmaco, Ed. Sci.*, 1974, **29**, 841, 848 (*metab, props, uv, ir, nmr, ms*)
Chermat, R. *et al, Therapie*, 1977, **32**, 643 (*pharmacol*)
Materia, A. *et al, Clin. Ther.*, 1981, **97**, 183.
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 710.

Zoloperone, INN **Z-00032**
4-(4-Fluorophenyl)-5-[2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-2(3H)-oxazolone, 9CI. 4-(p-Fluorophenyl)-5-[2-[4-(o-methoxyphenyl)-1-piperazinyl]-ethyl]-4-oxazolin-2-one. LR 511
[52867-74-0]



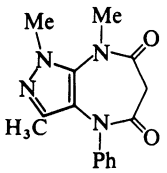
$C_{22}H_{24}FN_3O_3$ M 397.448
Psychotropic agent. Cryst. (EtOH). Mp 154°.
Ger. Pat., 2 351 948, (*1974*); *CA*, **81**, 13484h (*synth, pharmacol*)
Fregnan, G. *et al, Pharmacology*, 1977, **15**, 485 (*pharmacol, tox*)
Fregnan, G. *et al, Arzneim.-Forsch.*, 1981, **31**, 70 (*props*)

Zolpidem, BAN, INN **Z-00033**
N,N,6-Trimethyl-2-(4-methylphenyl)imidazo[1,2-a]-pyridine-3-acetamide, 9CI. N,N-*Dimethyl-2-(6-methyl-2-*p-*tolylimidazo[1,2-a]pyridin-3-yl)acetamide*
[82626-48-0]



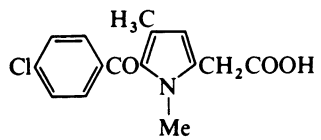
$C_{19}H_{21}N_3O$ M 307.394
Hypnotic. Mp 196°.
Tartrate: [103188-50-7]. *Zolpidem tartrate, USAN. Stilnox. SL 80 0750 23N.*
Eur. Pat., 50 563, (*1982*); *CA*, **97**, 92280v (*synth*)
Depoortere, H. *et al, J. Pharmacol. Exp. Ther.*, 1986, **237**, 649 (*pharmacol*)
Guinebault, P. *et al, J. Chromatogr.*, 1986, **383**, 206 (*hplc*)
Scatton, B. *et al, J. Pharmacol. Exp. Ther.*, 1986, **237**, 659 (*pharmacol*)
Sangar, D.J. *et al, Physiol. Behav.*, 1987, **41**, 235 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 1667.

Zomebazam, INN **Z-00034**
4,8-Dihydro-1,3,8-trimethyl-4-phenylpyrazolo[3,4-b][1,4]diazepine-5,7(1H,6H)-dione, 9CI. HR 001
[78466-70-3]



$C_{15}H_{16}N_4O_2$ M 284.317
Tranquilliser. Cryst. Mp 169°.
Eur. Pat., 24 038, (*1981*); *CA*, **85**, 81034a (*synth, pharmacol*)
Renger, B., *Synthesis*, 1985, 856 (*synth*)

Zomepirac, BAN, INN **Z-00035**
5-(4-Chlorobenzoyl)-1,4-dimethyl-1H-pyrrole-2-acetic acid, 9CI
[33369-31-2]



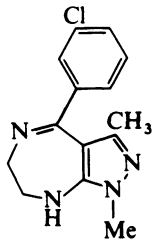
$C_{15}H_{14}ClNO_3$ M 291.734
Analgesic, antiinflammatory drug. Cryst. (2-propanol). Mp 178-179° dec.
Na salt: [64092-49-5]. *Zomepirac sodium, USAN. Calmador. Dolgenal. Dolwas. Sindol. Zomax. Zomaxin. Zopirac. McN 2783-21-98.* Pale-yellow cryst. + $2H_2O$ (2-propanol aq.). Mp 295-296°.
Carboxymethyl ester: [76666-01-8]. *Zomepirac glycolate.*
$C_{17}H_{16}ClNO_5$ M 349.770
Analgesic, antiinflammatory agent.
Carson, J.R. *et al, J. Med. Chem.*, 1973, **16**, 172 (*synth, pharmacol*)
Muschek, L.D. *et al, J. Clin. Pharmacol.*, 1980, **20**, 223 (*rev, metab*)
Spanish Pats., 8 200 071, 8 200 072, (*1981*); *CA*, **96**, 180985, 180986 (*deriv*)
Berry, H., Ed., *Int. Congr. Symp. Ser.-R. Soc. Med.*, 1982, No. 52 (*book*)

Morley, P.A. *et al*, *Drugs*, 1982, **23**, 250 (*rev, pharmacol*)
Cai, Y. *et al*, *CA*, 1983, **99**, 139683 (*synth*)
Zinic, M. *et al*, *Anal. Profiles Drug Subst.*, 1986, **15**, 673 (*rev, pharmacol, anal*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2716.

Zometapine, USAN **Z-00036**

4-(3-Chlorophenyl)-1,6,7,8-tetrahydro-1,3-dimethylpyrazolo[3,4-e][1,4]diazepine, 9CI. *CI 781*

[51022-73-2]



$C_{14}H_{15}ClN_4$ M 274.752

Antidepressant. Cryst. (MeCN). Mp 180-185°.

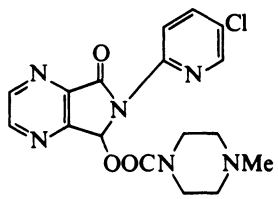
B,HCl: [78451-93-1]. Cryst. (THF). Mp 279-281°.

DeWald, H.A. *et al*, *J. Med. Chem.*, 1981, **24**, 982 (*synth, pharmacol*)
Poschel, B.P.H. *et al*, *Drugs Exp. Clin. Res.*, 1981, **7**, 139 (*pharmacol*)
Katz, R.J., *Pharmacol. Biochem. Behav.*, 1984, **21**, 487 (*props*)

Zopiclone, BAN, INN **Z-00037**

4-Methyl-1-piperazinecarboxylic acid 6-(5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo-5H-pyrrole[3,4-b]-pyrazin-5-yl ester, 9CI. *Imovane. Imovance. Zimovane. RP 27267*

[43200-80-2]



$C_{17}H_{17}ClN_6O_3$ M 388.813

Sedative, anticonvulsant. Cryst. (MeCN/Et_2O). Mp 178°.

▷TL1425000.

Jeanmart, C. *et al*, *C.R. Hebd. Seances Acad. Sci., Ser. C*, 1978, **287**, 377 (*synth, pharmacol*)
Goa, K.L. *et al*, *Drugs*, 1986, **32**, 48 (*rev, pharmacol*)
Borea, P.A. *et al*, *Mol. Pharmacol.*, 1987, **31**, 334 (*struct*)
Brun, J.P., *Pharmacol. Biochem. Behav.*, 1988, **29**, 831 (*rev*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 14031.

Zorbamycin, USAN **Z-00038**

Zorbanomycin. Zorbonomycin. Laramycin. U 30604E. YA 56X. Antibiotic U 30604E. Antibiotic YA 56X

[11056-20-5]

$C_{56}H_{100}CuN_{18}O_{24}S_2$ M 1537.178

Isol. from *Streptomyces bikiniensis*. Active against gram-positive and -negative bacteria and fungi. Blue amorph. solid. Probably related to Bleomycin family.

▷ZI2300000.

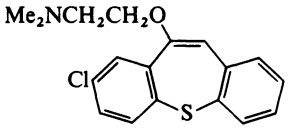
B,2HCl: $[\alpha]_D^{25}$ +247° (c, 0.6 in H_2O). λ_{max} 244, 290 sh, 298, 309 and 600 nm (MeOH).

Argoudelis, A.D. *et al*, *J. Antibiot.*, 1971, **24**, 543 (*isol*)
Reusser, F., *J. Bacteriol.*, 1971, **108**, 30.
Krueger, W.C. *et al*, *J. Antibiot.*, 1973, **26**, 424.
Ohashi, Y. *et al*, *Agric. Biol. Chem.*, 1973, **27**, 2387 (*struct*)
Issaq, H.J. *et al*, *J. Chromatogr.*, 1977, **133**, 291 (*tlc*)
Rinehart, K.L. *et al*, *CA*, 1981, **96**, 218219 (*ms, struct*)

Zotepine, INN, JAN **Z-00039**

2-[(8-Chlorodibenzo[b,f]thiepin-10-yl)oxy]-N,N-dimethylethylamine, 8CI. *8-Chloro-10-(2-dimethylaminoethoxy)dibenzo[b,f]thiepine. Lodopin. FR 1314*

[26615-21-4]



$C_{18}H_{18}ClNOS$ M 331.859

Tranquilliser. Cryst. (cyclohexane). Mp 90-91°.

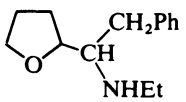
Maleate: [26673-91-6]. Mp 204-204.5°.

Ueda, I. *et al*, *Chem. Pharm. Bull.*, 1978, **26**, 3058 (*synth, pharmacol*)
Uchida, S. *et al*, *Arzneim.-Forsch.*, 1979, **29**, 1588, 1595, 1600 (*pharmacol, metab, tox*)
Martindale, The Extra Pharmacopoeia, 28th/29th Eds., 1982/1989, Pharmaceutical Press, London, 2479.

Zylofuramine, INN **Z-00040**

N-*Ethyltetrahydro-α-(phenylmethyl-2-furanmethanamine),* 9CI. *α-Benzyl-N-ethyltetrahydrofurfurylamine. Win 19538*

[3563-92-6]



$C_{14}H_{21}NO$ M 219.326

Psychoanaleptic agent. $Bp_{0.07}$ 101°.

▷LU9400000.

B,HCl: Mp 179-181°.

Harris, L.S. *et al*, *Arch. Int. Pharmacodyn.*, 1963, **146**, 392 (*pharmacol*)
U.S.P., 3 194 818, (*1965*); *CA*, **63**, 11501d (*synth*)

Name Index

The Name Index lists in alphabetical order all names and synonyms contained in the Dictionary.

Each index term refers the user to a Dictionary Number consisting of a single letter of the alphabet followed by five digits. The letter is the first letter of the relevant Dictionary Name.

A Dictionary Number which follows immediately upon an index term means that the term is itself used as the Entry Name.

A Dictionary Number which is preceded by the word '*see*' means that the term is a synonym to an Entry Name.

A Dictionary Number which is preceded by the word '*in*' means that the term is embedded within an Entry, usually as a synonym to a particular stereoisomeric form or to a derivative.

The symbol ▷ preceding an index term indicates that the Dictionary Entry contains information on toxic or hazardous properties of the compound.

Name Index

▷A_3, *in* M-00045
▷A 16, *see* A-00173
▷A 65, *in* I-00034
A 118, *see* S-00265
▷A 163, *see* T-00533
A 214, *see* F-00049
A 2205, *in* P-00462
▷A 2371, *see* M-00397
A 2655, *see* D-00473
▷A 272, *see* O-00037
▷A 301, *see* N-00219
▷A 3223*A*, *in* M-00428
33 A74, *in* A-00472
A 3823*B*, *in* M-00428
A 3823*C*, *in* M-00428
A 3823*D*, *in* M-00428
A 4180, *in* I-00191
A 446, *see* D-00496
A 489, *in* A-00080
▷A 4828, *see* T-00469
▷A 4942, *see* I-00021
▷A 5283, *see* P-00253
▷A585, *in* D-00313
A 7283, *in* T-00145
▷A 7715, *see* N-00214
▷A 8103, *see* B-00195
A 8327, *see* T-00056
▷A 9145, *see* S-00078
▷A 10338, *see* C-00223
▷A 16316*C*, *in* D-00103
A16612, *in* T-00095
A17624, *in* M-00228
▷A 19757, *in* C-00636
▷A 1981-12, *see* P-00459
A 20968, *see* P-00301
▷A 23812, *in* P-00566
▷A 23813, *see* P-00566
▷A 28086*A*, *see* N-00050
A 28086*B*, *in* N-00050
▷A 28829, *see* B-00258
▷A 29622, *in* P-00216
A 33547, *see* R-00021
A 37536, *in* B-00225
A 38503, *see* E-00233
A 40664, *in* R-00002
▷A 46745, *see* G-00022
A 53986, *see* F-00259
A 56268, *in* E-00115
A60969, *in* T-00390
A 61827, *see* T-00390
A 62254, *in* T-00058
A 11725 I, *in* M-00474
A 11725 II, *see* M-00474
A21101 II, *in* A-00436
2-AA, *see* A-00233
AA 149, *see* T-00456
AA 673, *see* A-00361
▷A 12253A, *see* N-00058
AA 28-263, *see* T-00312
A 51568A, *in* V-00007
▷AAFC, *see* F-00219
AAM, *see* A-00519
AAPBA, *see* A-00208
AAT, *see* A-00418
AB 08, *in* D-00080
▷AB 74, *in* D-00103
▷AB 100, *see* U-00012
AB 103, *see* B-00091
▷AB 1404, *see* E-00151
AB 467, *see* N-00125
▷AB 803, *see* H-00067
▷Abadol, *see* A-00336
Abamectin, INN, *in* A-00483
Abamectin, INN, *in* A-00484
▷Abasin, *see* A-00007
▷Abate, *see* T-00061
▷Abathion, *see* T-00061
▷Abbocin, *see* O-00166
Abbofilina, *in* T-00169
▷Abbokinase, *see* U-00016
Abbott 16900, *see* B-00319
▷Abbott 19957, *see* L-00093
▷Abbott 24091, *see* E-00116
▷Abbott 34842, *in* A-00216
Abbott 36581, *see* B-00389
Abbott 36683, *in* B-00225
▷Abbott 38414, *see* A-00381
Abbott 38642, *in* P-00215
▷Abbott 40728, *see* C-00190
Abbott-41070, *in* L-00116
▷Abbott 43326, *in* C-00102
Abbott 43818, *in* L-00035
▷Abbott 44090, *in* P-00516
▷Abbott 44747, *see* F-00252
Abbott 46811, *see* C-00150
▷Abbott 48999, *in* C-00140
▷Abbott 50192, *in* C-00130
Abbott 53385, *see* C-00240
Abbott 56619, *in* D-00268
▷ABC 8/3, *see* O-00082
▷ABC 12/3, *see* D-00596
Abecarnil, A-00001
Abequito, *see* N-00148
8,11,13-Abietatriene-12,16-diol, *in* F-00095
8,11,13-Abietatrien-12-ol, *see* F-00095
Abikoviromycin, A-00002
▷Abilene, *in* M-00246
Abimasten, *see* N-00125
▷Abiocine, *see* D-00303
Abitilguanide, *see* M-00446
Ablex, *see* B-00317
▷Abminthic, *in* D-00548
▷Aboren, *see* P-00371
▷Abovis, *in* A-00044
ABPP, *see* A-00220
Abrodil, *see* A-00529
▷Abromine, *see* B-00140
Absonal, *in* B-00117
Abstem, *in* C-00579
Abunidazole, A-00003
Abuphenine, *in* B-00399
▷AC 1050, *see* E-00215
AC 1370, *see* C-00142
▷AC 223, *see* M-00080
AC 2770, *in* T-00474
▷AC 3810, *see* B-00011
AC 4464, *see* T-00386
AC 485, *see* M-00416
▷AC 528, *see* D-00475
AC 601, *see* H-00129
▷AC 695, *see* E-00214
A 9145C, *in* S-00078

AC 263780, *in* C-00349
▷Acabel, *in* B-00147
▷Acacetin, *see* D-00329
Acaciin, *in* D-00329
Acantex, *in* C-00159
Acaprazine, A-00004
▷Acaprin, *in* Q-00037
Acarbose, A-00005
ACC 9089, *in* D-00352
Accelerase, *see* P-00011
Accelerator globulin, *see* F-00001
▷Accenon, *see* E-00214
▷Acclaim Flea Control, *in* M-00189
▷Accothion, *see* F-00057
▷Accroibile, *see* C-00605
▷Accutane, *in* R-00033
▷Acdrile, *in* C-00654
Acebrochol, *in* D-00162
Aceburic acid, *in* H-00118
Acebutolol, A-00006
▷Acebutolol hydrochloride, JAN, *in* A-00006
▷Acecainide, *in* P-00446
Acecainide hydrochloride, *in* P-00446
▷Acecarbromal, A-00007
▷Aceclidine, *in* Q-00035
▷Aceclin, *in* Q-00035
Aceclofenac, *in* D-00210
▷Acedapsone, *in* D-00129
Acediasulfone, A-00008
Acediasulfone sodium, *in* A-00008
Acedicon, *in* T-00161
▷Acedigal, *in* D-00275
Acedist, *in* T-00103
Acedoben, *in* A-00216
▷Acedoxin, *in* D-00275
Acefluranol, A-00009
▷Acefuralazine, *in* F-00280
Acefurtiamine, A-00010
Acefylline, A-00011
Acefylline clofibrol, *in* A-00011
Acefylline piperazine, *in* A-00011
▷Acegit, *in* T-00474
▷Aceglatone, *in* G-00053
Aceglutamide, A-00012
▷Aceglutamide aluminum, *in* A-00012
▷Acemetacin, A-00013
Acemidophen, *see* D-00141
▷Acemoquinazone, *see* M-00436
Acemydrite, *see* B-00434
▷Acenocoumarin, *see* N-00105
▷Acenocoumarol, *see* N-00105
Aceperone, A-00014
Acepifylline, *in* A-00011
▷Acepreval, *in* P-00412
Aceprolinum, *in* H-00210
▷Acepromazine, A-00015
▷Acepromazine maleate, *in* A-00015
Aceprometazine, A-00016
▷Aceprosol, *see* G-00057
Acequinoline, *see* A-00037
Aceroxatidine, *in* R-00097
Acesalum, *in* S-00015
Acesaniamide, A-00017
Acesulfame, *see* M-00275
Acesulfame-K, *in* M-00275
Acetabutone, *see* A-00014
▷Acetacrin, *see* E-00145
▷Acetal, *see* D-00228
▷Acetaldehyde cyanohydrin, *in* H-00207
▷Acetaldehyde diethyl acetal, *see* D-00228
p-Acetamidobenzenestibonic acid, *in* A-00212
▷*p*-Acetamidobenzenesulfonyl chloride, *in* A-00213
2-Acetamidobenzoic acid, *in* A-00215
1-Acetamido-5-cyano-4(1*H*)-pyrimidinone, *see* C-00321
2-Acetamido-2,6-dideoxy-D-glucose, *in* A-00240
2-Acetamido-2,6-dideoxy-L-glucose, *in* A-00240
3-Acetamido-5-glycolamido-2,4,6-triiodobenzoic acid, *in* D-00138
5-Acetamido-*N*-[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, *in* D-00138
5-Acetamido-*N*-(2-hydroxyethyl)-2,4,6-triiodoisophthalamic acid, *in* D-00138
2-Acetamido-4-mercaptobutyric acid 2-(*p*-chlorophenoxy)-2-methylpropionate, *see* S-00046
▷2-Acetamido-4-mercaptobutyric acid γ-thiolactone, *see* T-00129
▷2-Acetamido-3-mercaptopropanoic acid, *see* A-00031
1-[3-(4-Acetamido-2-methoxyphenoxy)propyl]-4-(2-fluorophenyl)piperazine, *see* M-00003
4-(Acetamidomethyl)-1-(1,4-benzodioxan-2-ylmethyl)-4-phenylpiperidine, *see* A-00047
4-Acetamido-2-methyl-1-naphthol, *in* A-00285
4-[4-(Acetamidomethyl)-4-phenylpiperidino]-4′-fluorobutyrophenone, *see* A-00014
▷5-Acetamido-4-methyl-2-sulfamoyl-1,3,4-thiadiazoline, *see* M-00176
1-Acetamido-4-oxo-1*H*-pyrimidine-5-carbonitrile, *see* C-00321
▷3-Acetamidophenol, *in* A-00297
▷4-Acetamidophenol, *in* A-00298
4-Acetamidophenyl acetate, *in* A-00298
1-(3-Acetamidopropyl)-4-(2,5-dichlorophenyl)piperazine, *see* A-00004
Acetamidosalol, *in* H-00112
▷5-Acetamido-1,3,4-thiadiazole-2-sulfonamide, *see* A-00018
▷α-Acetamido-γ-thiobutyrolactone, *see* T-00129
▷2-[3-Acetamido-2,4,6-triiodo-5-(*N*-methylacetamido)-benzamido]-2-deoxy-D-glucose, *see* M-00343
5-Acetamido-2,4,6-triiodo-*N*-[(methylcarbamoyl)methyl]-isophthalamic acid, *see* I-00111
▷5-Acetamido-2,4,6-triiodo-*N*-methylisophthalamic acid, *see* I-00140
1-Acetamino-5-methylpyrazolo[1,5-*c*]quinazoline, *see* Q-00022
▷Acetaminophen, *in* A-00298
4-(Acetamino)phenyl *N*-acetylmethioninate, *see* S-00267
Acetaminosal, *in* H-00112
Acetaminosalol, *in* H-00112
▷*p*-Acetanisidide, *in* M-00195
▷Acetarsol, *in* A-00271
▷Acetarsone, *in* A-00271
Acetasol, *in* D-00284
(Acetato-*O*)[2-Hydroxy-5-(1,1,3,3-tetramethylbutyl)phenyl]-mercury, *see* A-00024
▷[(Acetato-*O*)phenylmercury], *in* H-00191
▷Acetazide, *see* A-00018
▷Acetazolamide, A-00018
▷Acetazolamide sodium, USAN, *in* A-00018
Acetergamine, A-00019
▷Acetest, *in* P-00083
▷Aceteugenol, *in* M-00215
▷Acethydrazide, *in* A-00021
▷Acethydroximic acid, *see* H-00106
Acetiamine, A-00020
▷Acetic acid, A-00021
▷Acetic acid [(5-nitro-2-furanyl)methylene]hydrazide, *see* N-00139
▷Acetic acid 5-nitrofurfurylidenehydrazide, *see* N-00139
Acetiromate, A-00022
O-Acetoglycoloyl-*S*-furoylthiamine, *see* A-00010
▷Acetohexamide, A-00023
▷Acetohydroxamic acid, *see* H-00106
▷Acetomenadione, *in* D-00333
▷Acetomenaphthone, *in* D-00333
Acetomeroctol, A-00024
▷Acetomorphin, *see* H-00034
Acetone bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)mercaptole, *see* P-00445
▷Acetonechloroform, *see* T-00440
▷3-(α-Acetonyl-4-nitrobenzyl)-4-hydroxycoumarin, *see* N-00105
8-(Acetonyloxy)-5-[3-[(3,4-dimethoxyphenethyl)amino]-2-hydroxypropoxy]-3,4-dihydrocarbostyril, *see* B-00251
Acetophenazine, A-00025

▷Acetophenazine maleate, *in* A-00025
▷*p*-Acetophenetidide, *in* E-00161
Acetophenone alcohol, *see* H-00107
▷Acetopromazine, *see* A-00015
Acetopyrine, *in* D-00284
▷Acetorphin, *see* N-00032
▷Acetorphine, *in* E-00263
Aceto-Sterandryl, *in* H-00111
Aceto-Testoviron, *in* H-00111
Acetoxanon, *in* H-00205
Acetoxatrine, *see* A-00047
Acetoxolone, *in* G-00072
▷2-Acetoxybenzoic acid, A-00026
4-Acetoxybenzoic acid, *in* H-00113
4-Acetoxybutanoic acid, *in* H-00118
▷16β-Acetoxy-3α,11α-dihydroxy-17(20)*Z*,24-fusidadien-21-oic acid, *see* F-00303
3β-Acetoxy-11β,13-epoxyepitulipinolide, *in* H-00134
4-Acetoxy-6,7-epoxy-2-octen-5-olide, *see* A-00464
2α-Acetoxyeupatolide, *in* H-00134
▷21-(Acetoxy)-9-fluoro-11β-hydroxy-2′-methyl-5′*H*-pregna-1,4-dieno[17,16β-*d*]oxazole-3,20-dione, *see* F-00131
2-Acetoxymethyl-1-methylpyridinium iodide, *in* P-00572
Acetoxymethyl 6-phenylacetamidopenicillanate, *see* P-00058
Acetoxymethyl(trimethyl)ammonium chloride, *in* H-00177
Acetoxymethyl(trimethyl)ammonium iodide, *in* H-00177
▷3-Acetoxyphenol, *in* B-00073
Acetoxy-Prenolon, *in* H-00205
Acetoxyprogesterone, *in* H-00202
3-Acetoxypyridine, *in* H-00209
2-Acetoxytricarballylic acid, *in* C-00402
▷Acetphenarsine, *in* A-00271
▷Acetphenolpicoline, *see* B-00186
▷Acetriazoate sodium, *in* A-00340
▷Acetrizoic acid, *in* A-00340
Acetryptine, A-00027
▷Acetyladalin, *see* A-00007
▷Acetylamide, *see* A-00033
[5-(Acetylamino)-2-[[3-(acetylamino)-4-hydroxyphenyl]-diarsenyl]phenoxy]acetic acid, *see* S-00095
▷3-(Acetylamino)-5-[(acetylamino)methyl]-2,4,6-triiodobenzoic acid, *see* I-00095
▷3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, *in* D-00138
▷2-[[3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoyl]amino]-2-deoxy-D-glucose, *see* M-00343
▷*N*-[(Acetylamino)carbonyl]-2-bromo-2-ethylbutanamide, *see* A-00007
4-(Acetylamino)-2-ethoxybenzoic acid methyl ester, *in* A-00264
5-Acetyl-3-(2-aminoethyl)indole, *see* A-00027
2-(Acetylamino)glutaramidic acid, *see* A-00012
3-(Acetylamino-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, *in* D-00138
21-[[[4-(Acetylamino)methyl]cyclohexyl]carbonyl]oxy]-9-chloro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, *see* C-00624
2-(Acetylamino)-4-(methylthio)butanoic acid, *see* A-00036
4-[2-[[2-(Acetylamino)-4-(methylthio)-1-oxobutyl]amino]-ethyl-1,2-phenylene diethyl carbonate, *see* D-00562
▷2-[4-(Acetylamino)phenoxy]ethyl 2-(acetyloxy)benzoate, *see* E-00144
2-[4-(Acetylamino)phenoxy]-*N*-[1-methyl-2-[3-(trifluoromethyl)phenyl]ethyl]acetamide, *see* F-00135
N-Acetyl-*p*-aminophenyl-*N*′-acetylmethionate, *see* S-00267
4-(Acetylamino)phenyl *N*,*N*-diethylglycine, *see* P-00485
3-(Acetylamino)-2,4,6-tribromo-5-[[(2-hydroxyethyl)amino]-carbonyl]benzoic acid, *see* B-00333
▷8-Acetyl-10-[(3-amino-2,3,6-trideoxy-α-L-xylohexopyranosyl)-oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-5,12-naphthacenedione, *see* D-00019
▷3-(Acetylamino)-2,4,6-triiodo-5-[(methylamino)carbonyl]-benzoic acid, *see* I-00140
3-(Acetylamino)-2,4,6-triiodo-5-[[[2-(methylamino)-2-oxoethyl]amino]carbonyl]benzoic acid, *see* I-00111
▷2-[[2-(3-Acetylamino-2,4,6-triiodophenoxy)ethoxy]methyl]-butanoic acid, *see* I-00132
▷3-[Acetyl(3-amino-2,4,6-triiodophenyl)amino]-2-methyl-propanoic acid, *see* I-00094
▷*N*-Acetyl-*N*-(3-amino-2,4,6-triiodophenyl)-2-methyl-β-alanine, *see* I-00094
Acetylaranotin, *in* A-00436
▷Acetylarson, *in* A-00271
N-(*N*-Acetyl-α-aspartyl)glutamic acid, *see* I-00211
▷*N*-(4-Acetylbenzenesulfonyl)-*N*′-cyclohexylurea, *see* A-00023
α-[[(8-Acetyl-1,4-benzodioxan-5-yl)oxy]methyl]-4-(3,4,5-trimethoxycinnamoyl)-1-piperazineethanol, *see* C-00361
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-3,4-dihydroxyphenylalanine ethyl ester, *in* A-00453
▷*N*-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-phenylalanine ethyl ester, *see* A-00453
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-tyrosine ethyl ester, *in* A-00453
N-Acetyl-*N*,*O*-bis(methylcarbamoyl)hydroxylamine, *see* C-00036
▷1-Acetyl-3-(2-bromo-2-ethylbutyryl)urea, *see* A-00007
[3-Acetyl-4-[3-(*tert*-butylamino)-2-hydroxypropoxy]phenyl]-1,2-diethylurea, *see* C-00163
1-(2-Acetyl-4-*n*-butyramidophenoxy)-2-hydroxy-3-isopropylaminopropane, *see* A-00006
▷Acetylcarbromal, *see* A-00007
▷Acetyl chloride, *in* A-00021
3-Acetyl-5-chloro-2-hydroxy-*N*,*N*-dimethyl-*N*-(2-phenoxyethyl)-benzenemethanaminium(1+), A-00028
N-[2-(2-Acetyl-4-chlorophenoxy)ethyl]-*N*,*N*-dimethylbenzenemethanaminium (1+), A-00029
N-Acetyl-*S*-[2-(4-chlorophenoxy)-2-methyl-1-oxopropyl]-homocysteine, *see* S-00046
γ-Acetyl-2-chloro-γ-phenylbenzenepentanoic acid, *see* C-00220
17-Acetyl-6-chloro-1,2,8,9,10,11,12,13,14,15,16,17,20,21-tetradecahydro-10,13-dimethyl-3*H*-dicyclopropa[1,2:16,17]-cyclopenta[*a*]phenanthren-3-one, *see* G-00020
▷Acetylcholine(1+), A-00030
▷Acetylcholine chloride, *in* A-00030
22-Acetylcyasterone, *in* C-00584
▷4-Acetyl-*N*-[(cyclohexylamino)carbonyl]benzenesulfonamide, *see* A-00023
▷Acetylcysteine, *see* A-00031
▷*N*-Acetylcysteine, A-00031
N-Acetylcysteine 6-methoxy-α-methyl-2-naphthaleneacetate (ester), *see* C-00356
N-Acetyl-6-diazo-5-oxo-L-norleucine, *in* A-00238
▷1-Acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1*H*-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine, *see* K-00016
▷Acetyldigitoxin, *in* D-00275
▷α-Acetyldigoxin, *in* D-00275
▷β-Acetyldigoxin, *in* D-00275
α-[[(8-Acetyl-2,3-dihydro-1,4-benzodioxin-5-yl)oxy]methyl]-4-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-1-piperazineethanol, *see* C-00361
▷Acetyldihydrocodeinone, *see* T-00161
N-Acetyl-9,10-dihydrolysergamine, *see* A-00019
5-[Acetyl(2,3-dihydroxypropyl)amino]-*N*,*N*′-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00117
5-[Acetyl(2,3-dihydroxypropyl)amino]-*N*-(2,3-dihydroxypropyl)-*N*′-(2-hydroxyethyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00149
2-Acetyl-10-(2-dimethylaminopropyl)phenothiazine, *see* A-00016
▷2-Acetyl-10-(3-dimethylaminopropyl)phenothiazine, *see* A-00015
N′-[3-Acetyl-4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-*N*,*N*-diethylurea, *see* C-00163
▷Acetyldiphenasone, *in* D-00129
1-Acetyl-2-(3,3-diphenyl-3-hydroxypropionyl)hydrazine, *see* D-00516

N-Acetyl DON, *in* A-00238
Acetylenoxolone, *in* G-00072
Acetylenoxolone aluminium, *in* G-00072
▷*N*-Acetylethanolamine, *in* A-00253
3-(Acetylethylamino)-2,4,6-triiodobenzenepropanoic acid, *see* I-00130
5-Acetyl-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide, *see* E-00132
3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene, A-00032
3-Acetyl-5-[(4-fluorophenyl)methylene]-4-hydroxy-2(5*H*)-thiophenone, *see* A-00032
Acetylformocholine iodide, *in* H-00177
▷Acetylfuratrizine, *in* F-00280
Acetylgliotoxin, *in* G-00041
α-*N*-Acetyl-L-glutamine, *see* A-00012
N^2-Acetyl-L-glutamine, *see* A-00012
Acetylglycarsonobenzol, *see* S-00095
▷α-*N*-Acetylhomocysteinethiolactone, *see* T-00129
▷Acetylhydrazide, *in* A-00021
▷Acetylhydrazine, *in* A-00021
▷*N'*-[5-[[4-[[5-(Acetylhydroxyamino)pentyl]amino]-1,4-dioxobutyl]hydroxyamino]pentyl]-*N*-(5-aminopentyl)-*N*-hydroxybutanediamide, *see* D-00044
▷*N*-Acetyl-2-hydroxybenzamide, A-00033
N-[3-[Acetyl(2-hydroxyethyl)amino]-2,4,6-triiodo-5-[(methylamino)carbonyl]phenyl]-D-gluconamide, *see* I-00112
N-[*p*-Acetyl-β-hydroxy-α-(hydroxymethyl)phenethyl]-2,2-dichloroacetamide, *see* C-00185
3'-Acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]acetanilide, *see* D-00118
3'-Acetyl-4'-[2-hydroxy-3-(isopropylamino)propoxy]-butyranilide, *see* A-00006
▷*N*-Acetylhydroxylamine, *see* H-00106
3-Acetyl-5-hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indole, A-00034
5-[Acetyl(2-hydroxy-3-methoxypropyl)amino]-*N*,*N'*-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00126
N-[3-Acetyl-4-[2-hydroxy-3-[(methylethyl)amino]propoxy]-phenyl]acetamide, *see* D-00118
N-[3-Acetyl-4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-phenyl]butanamide, *see* A-00006
5-[4'-(4''-Acetyl-3''-hydroxy-2''-propylphenoxy)butyl]tetrazole, *see* T-00375
7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid, A-00035
Acetylindicine, *in* I-00057
N-Acetylkanamycin *B*, *in* K-00005
2-(*O*-Acetyllactoyloxy)ethyltrimethylammonium(1+), *see* A-00044
Acetylleucine, *in* L-00029
3-*O*-Acetylmaytansinol, *in* M-00027
S-Acetylmercaptosuccinic anhydride, *in* M-00115
N-Acetylmethionine, A-00036
N-(*N*-Acetyl-L-methionyl)-3,4-diethoxycarboxyphenethylamine, *see* D-00562
3-Acetyl-7-methoxy-2,4-dimethylquinoline, A-00037
N-Acetyl-[2-(6-methoxy-2-naphthyl)propionyl]cysteine, *see* C-00356
N-[3-(Acetylmethylamino)-5-[[(2-hydroxyethyl)amino]-carbonyl]-2,4,6-triiodophenyl]-D-gluconamide, *see* I-00114
3-[[[[3-(Acetylmethylamino)-2,4,6-tribromo-5-[(methylamino)-carbonyl]benzoyl]amino]acetyl]amino]-5-[[(2-hydroxyethyl)-amino]carboxyl]-2,4,6-triiodobenzoic acid, *see* I-00147
3-[[[[3-(Acetylmethylamino)-2,4,6-triiodo-5-[(methylamino)-carbonyl]benzoyl]amino]acetyl]amino]-5-[[(2-hydroxyethyl)-amino]carbonyl]-2,4,6-triiodobenzoic acid, *see* I-00148
17-Acetyl-6-methyl-16,24-cyclo-21-norchol-4-en-3-one, A-00038
▷*N*-Acetyl-*N*-[2-methyl-4-[(2-methylphenyl)azo]phenyl]-acetamide, *see* D-00117
2-Acetyl-3-(1-methyl-5-nitro-2-imidazoyl)-2-propenoic acid ethyl ester, *see* P-00494
N-Acetyl-*S*-(2-methyl-3-oxo-3-phenylpropyl)-L-cysteine, *see* B-00040
N^2-[*N*-(*N*-Acetylmuramoyl)-L-alanyl]-D-glutamine butyl ester, *see* M-00470
N^2-[N^2-[*N*-(*N*-Acetylmuramoyl)-L-alanyl]-D-α-glutaminyl]-N^6-(1-oxooctadecyl)-L-lysine, *see* M-00472
N^2-[*N*-(*N*-Acetylmuramoyl)-L-threonyl]-D-α-glutamine, *see* T-00065
N-Acetyl-3-(2-naphthalenyl)-D-alanyl-4-chloro-D-phenylalanyl-D-tryptophyl-L-seryl-L-tyrosyl-N^6-[bis(ethylamino)methylene]-D-lysyl-L-leucyl-L-arginyl-L-prolyl-D-alaninamide, *see* D-00107
II^3α-*N*-Acetylneuraminosyl-II^2β internal ester gangliotetraglycosyl-ceramide, *see* S-00063
▷3-(2-Acetyl-1-*p*-nitrophenylethyl)-4-hydroxycoumarin, *see* N-00105
2-Acetyl-29-norcyasterone, *in* C-00584
3-Acetyl-29-norcyasterone, *in* C-00584
▷2-Acetyloxybenzoic acid, *see* A-00026
▷2-(Acetyloxy)benzoic acid 4-(acetylamino)phenyl ester, *see* B-00057
▷2-(Acetyloxy)-3-bromo-*N*-(4-bromophenyl)-5-chlorobenzenecarbothioamide, *see* B-00328
17-(Acetyloxy)-4-chloroestr-4-en-3-one, *in* C-00242
▷(11β,16α)-21-(Acetyloxy)-3-(2-chloroethoxy)-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)tris(oxy)]-20-oxopregna-3,5-diene-6-carboxaldehyde, *see* F-00246
▷2-(Acetyloxy)-*N*-(4-chlorophenyl)-3,5-diiodobenzamide, *see* C-00430
▷21-(Acetyloxy)-16α,17-[(cyclopentylidenebis(oxy)]-9-fluoro-11β-hydroxypregna-1,4-diene-3,20-dione, *see* A-00177
▷4-(Acetyloxy)-*N*-[2,4-dibromo-6-[(cyclohexylmethylamino)-methyl]phenyl]-3-methoxybenzamide, *see* B-00330
2-(Acetyloxy)-*N*,*N*-diethyl-1,3,4,6,7,11*b*-hexahydro-9,10-dimethoxy-2*H*-benzo[*a*]quinolizine-3-carboxamide, *see* B-00102
▷21-(Acetyloxy)-6α,9-difluoro-11β-hydroxy-16α,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, *see* F-00173
21-(Acetyloxy)-6α,9-difluoro-11β-hydroxy-17-(1-oxobutoxy)-pregna-1,4-diene-3,20-dione, *see* D-00273
5-(Acetyloxy)-5,6-dihydro-6-(3-methyloxiranyl)-2*H*-pyran-2-one, *see* A-00464
▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297
3-(Acetyloxy)-5-[2-(dimethylamino)ethyl]-2,3-dihydro-2-(4-methoxyphenyl)-1,5-benzothiazepin-4(5*H*)-one, *see* D-00373
S-[1-[2-(Acetyloxy)ethyl]-2-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]formylamino]-1-propenyl ethanethiolate, *see* A-00020
▷17β-(Acetyloxy)-13-ethyl-18,19-dinor-4-pregnen-20-yn-3-one 3-oxime, *see* N-00216
17-(Acetyloxy)-9-fluoro-11-hydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioic acid *S*-methyl ester, *in* T-00286
21-(Acetyloxy)-11-hydroxy-6-methyl-17-(1-oxobutoxy)pregn-4-ene-3,20-dione, *see* A-00178
4-[4-(Acetyloxy)-3-iodophenoxy]-3,5-diiodobenzoic acid, *see* A-00022
11-(Acetyloxy)-1-(methoxymethyl)-2-oxaandrosta-5,8-dieno[6,5,4-*bc*]furan-3,7,17-trione, *see* W-00003
3-[(Acetyloxy)methyl]-7-[[(2-amino-4-thiazolyl)-(methoxyimino)acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00138
(Acetyloxy)methyl 4-[(2-chloro-3-methylphenyl)amino]-3-thiophenecarboxylate, *see* A-00043
3-[(Acetyloxy)methyl]-7-[[2-furanyl(methoxyimino)acetyl]-amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00160

▷3-[(Acetyloxy)methyl]-7-[[[[[(1-methylethyl)amino][(1-methylethyl)imino]methyl]thio]acetyl]amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00116

17-(Acetyloxy)-11β-methyl-19-norpregn-4-ene-3,20-dione, *see* N-00217

17-(Acetyloxy)-6-methyl-5-pregnene-3,20-dione cyclic 3-(1,2-ethanediyl acetal), *see* E-00014

2-(Acetyloxy)-*N*-[2-(nitrooxy)ethyl]benzamide, *see* A-00017

2-(Acetyloxy)-*N*-(5-nitro-2-thiazolyl)benzamide, *see* N-00162

2-[2-(Acetyloxy)-1-oxopropoxy]-*N*,*N*,*N*-trimethylethanaminium(1+), *see* A-00044

▷4-[[4-(Acetyloxy)phenyl]cyclohexylidenemethyl]phenol acetate, *see* C-00602

2-[4-(Acetyloxy)phenyl]-1-ethyl-3-methyl-1*H*-indol-5-ol acetate (ester), *see* Z-00020

2-(Acetyloxy-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-acetamide, *in* R-00097

25-(Acetyloxy)-5,6,21,23-tetrahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-2,7-(epoxypentadeca[1,11,13]trienimino)benzofuro[4,5-*e*]-pyrido[1,2-*a*]-benzimidazole-1,15(2*H*)-dione, *see* R-00049

▷2-Acetyloxy-*N*,*N*,*N*-trimethylethanaminium, *see* A-00030

▷2-(Acetyloxy)-*N*,*N*,*N*-trimethyl-1-propanaminium, *see* M-00160

Acetylparaminosalol, *in* H-00112

Acetylpenicillamine, *in* P-00064

▷4-[(*p*-Acetylphenoxy)acetyl]-*p*-morpholine, oxime, *see* M-00421

▷1-[(*p*-Acetylphenoxy)acetyl]piperidine *p*-oxime, *see* P-00249

N-[*N*-(*N*-Acetyl-L-phenylalanyl)-L-phenylalanyl-L-histidine methyl ester, *see* T-00488

▷3-(2-Acetyl-1-phenylethyl)-4-hydroxycoumarin, *see* W-00001

N-[2-(4-Acetylphenyl)-2-hydroxy-1-(hydroxymethyl)ethyl]-2,2-dichloroacetamide, *see* C-00185

▷Acetylpromazine, *see* A-00015

▷*N*-Acetylsalicylamide, *see* A-00033

▷Acetylsalicylic acid, *see* A-00026

Acetylsalicylsalicylic acid, *in* S-00015

Acetylsalol, *in* A-00026

▷*N*-Acetylsarcolysylphenylalanine ethyl ester, *see* A-00453

Acetylsongorine, *in* S-00100

5-Acetylspiro[benzofuran-2(3*H*),1′-cyclopropan]-3-one, *see* S-00134

Acetylsulfamethoxazole, *in* S-00244

Acetylsulfamethoxypyridazine, *in* S-00246

4′-(Acetylsulfamyl)phthalanilic acid, *see* P-00225

▷*N*-Acetylsulfanilyl chloride, *in* A-00213

Acetylsulfisomezole, *in* S-00244

Acetyl sulphafurazole, *see* S-00216

8-Acetyl-7,8,9,10-tetrahydro-1,6,8,10,11-pentahydroxy-5,12-naphthacenedione, *in* C-00081

▷8-Acetyl-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* D-00019

7-(Acetylthio)-15,16-dihydro-17-hydroxy-3-oxo-3′*H*-cyclopropa[6,7]pregna-1,4,15-triene-21-carboxylic acid γ-lactone, *see* M-00135

7-(Acetylthio)-4′,5′-dihydrospiro[androst-4-ene-17β,2′(3′*H*)-furan]-3-one, *see* S-00131

▷7α-(Acetylthio)-17α-hydroxy-3-oxopregn-4-ene-21-carboxylic acid γ-lactone, *see* S-00125

N-[1-[3-(Acetylthio)-2-methyl-1-oxopropyl]prolyl]-phenylalanine, *see* A-00090

5-Acetyltryptamine, *see* A-00027

1-(*N*-Acetyl-L-valine)pepstatin *A*, *in* P-00109

O-Acetylvallaroside, *in* D-00274

Acetyl-Vitamin K_5, *in* A-00285

Acevaltrate, *in* V-00006

Aceverine, *in* A-00300

▷Acexamic acid, *in* A-00259

▷Achromycin, *in* P-00557

▷Achromycin, *in* T-00109

Achylin, *in* B-00140

▷Aciclovir, *see* A-00060

Acidin, *in* B-00140

Acidol, *in* B-00140

▷Acidomycin, A-00039

Acifran, *see* D-00290

▷Acignost, *see* P-00079

▷Aci-Jel, *in* B-00254

▷Acinitrazole, *in* A-00294

Acinol, *see* B-00118

Acinorm, *in* B-00140

▷Acipen V, *see* P-00171

Acipepsol, *in* B-00140

Aciphen, *in* H-00112

▷Acipimox, *in* M-00302

Acitemate, A-00040

Acitretin, A-00041

Aciventral forte, *in* B-00140

Acivicin, *see* A-00405

▷ACL 59, *in* D-00203

▷ACL 60, *in* D-00203

▷ACL 85, *see* T-00442

▷Aclacinomycin *A*, A-00042

Aclacinomycin *T*, *see* A-00089

▷Aclacinon, *see* A-00042

Aclantate, A-00043

▷Aclaplastin, *see* A-00042

▷Aclarubicin, *see* A-00042

Aclatonium(1+), A-00044

▷Aclatonium napadisylate, *in* A-00044

Acnestrol, *see* B-00326

Acnestrol-Lotion, *in* D-00257

Acnosan "Una", *see* T-00214

▷Acocantherin, *in* H-00053

Acodazole, A-00045

▷Acodazole hydrochloride, *in* A-00045

▷Acolongifloroside *K*, *in* H-00053

Aconiazide, A-00046

▷Aconil, *in* P-00455

Acopyrine, *in* D-00284

Acoschimperoside P, *in* T-00474

Acoxatrine, A-00047

Acozid, *see* S-00016

▷Acramidine, *in* A-00205

▷Acramine, *in* A-00205

▷Acranil, *in* C-00229

▷Acrasin, *see* C-00591

▷Acrichine, *see* Q-00010

▷1-Acridinamine, *see* A-00201

▷2-Acridinamine, *see* A-00202

▷3-Acridinamine, *see* A-00203

▷4-Acridinamine, *see* A-00204

▷9-Acridinamine, *see* A-00205

▷3,6-Acridinediamine, *see* D-00120

▷*N*-[4-(9-Acridinylamino)-3-methoxyphenyl]-methanesulfonamide, *see* A-00373

N-[2-(9-Acridinyl)ethyl]-α-methylphenethylamine, *see* A-00048

Acridorex, A-00048

▷4′-(9-Acridylamino)methanesulfon-*m*-anisidide, *see* A-00373

Acriflavine, *in* D-00120

Acriflavinium chloride, *in* D-00120

▷Acriflex, *in* A-00205

Acrihellin, *in* T-00477

▷Acrinolum, *in* D-00130

▷Acripramine, *see* D-00387

Acrisorcin, *in* H-00071

α-Acritol, *in* M-00018

Acrivastine, A-00049

Acrizane, *see* H-00074

Acrobil, *in* D-00346

Acrocinonide, *in* T-00419
▷Acroferon, *see* F-00093
Acrofollin, *in* O-00028
▷Acronine, *see* A-00050
▷Acronycine, A-00050
Acrosoxacin, A-00051
▷Actagardin, *see* G-00011
Actal, *in* A-00108
▷Actamer, *see* B-00204
Actamycin, A-00052
▷Actazine, *see* P-00282
Actebral, *see* C-00647
▷Actellic, *see* P-00330
▷Actellifog, *see* P-00330
▷Acterol, *see* N-00150
▷ACTH, *see* C-00547
Acthar Gel Synthetic, *in* S-00045
Acthormon, *see* G-00025
▷Acti-Aid, *in* D-00441
▷Acti-chlore, *in* C-00289
▷Actiderm, *see* D-00102
▷Actidil, *in* T-00529
▷Actidilon, *in* T-00529
▷Actidione, *in* D-00441
▷Actifed, *in* H-00166
▷Actifed, *in* M-00221
▷Actifed, *in* T-00529
Actif VIII-HT, *see* F-00003
▷Actilin, *see* N-00068
Actilyse, *see* A-00156
Actimide, *see* C-00529
Actinac, *see* A-00123
▷Actinamin, *in* C-00100
▷Actinobolin, A-00053
▷Actinochrysin, *see* A-00054
Actinogen, *see* A-00059
▷Actinomycin *C*, A-00054
▷Actinomycin C_2, A-00055
▷Actinomycin C_3, A-00056
▷Actinomycin I_1, *see* A-00057
▷Actinomycin I_2, *see* A-00055
▷Actinomycin I_3, *see* A-00056
▷Actinomycin IV, *see* A-00057
▷Actinomycin VI, *see* A-00055
▷Actinomycin VII, *see* A-00056
▷Actinomycin X_1, *see* A-00057
▷Actinomycin A_{IV}, *see* A-00057
▷Actinomycin Au_1, *see* A-00056
▷Actinomycin Au_2, *see* A-00055
▷Actinomycin Au_3, *see* A-00057
▷Actinomycin B_1, *see* A-00057
▷Actinomycin B_{IV}, *see* A-00057
▷Actinomycin C_1, *see* A-00057
▷Actinomycin D_{IV}, *see* A-00057
▷Actinomycin Fo, *see* A-00057
▷Actinomycin *D*, A-00057
▷Actinomycin KS-2, *see* A-00054
▷Actinomycin S_2, *see* A-00057
Actinoquinol, *see* E-00171
Actinoquinol sodium, *in* E-00171
▷Actinospectacin, *see* S-00111
▷Actinovorin, *see* A-00053
▷Actinoxanthine, A-00058
▷Actiphan, *in* P-00201
▷Actirin, *see* D-00500
▷Actithiazic acid, *see* A-00039
Activase, *see* A-00156
Active methiamine, *see* A-00068
▷Actocortin, *in* C-00548
Actodigin, A-00059
▷Actol, *see* N-00113
▷Actomol, *see* P-00188
Actonalt, *in* A-00108
▷Actosolv, *see* U-00016
Actoxal, *see* T-00242
▷Actozine, *in* B-00034
Actriol, *in* O-00030
▷Actrun *C*, *see* P-00349
Actuman, *in* S-00045
Acturin, *see* X-00017
▷Acupan, *in* N-00063
Acutil/S, *see* A-00012
Acutran, *see* A-00366
▷Acycloguanosine, *see* A-00060
▷Acyclovir, A-00060
Acyclovir sodium, *in* A-00060
▷Acylanid, *in* D-00275
▷Acylnidrazone, *see* N-00139
AD 4, *in* M-00052
AD 6, *see* C-00497
AD 67, *see* D-00380
▷AD 106, *see* C-00605
AD 1590, *in* B-00136
AD 205, *in* O-00021
AD 810, *in* B-00087
Adafenoxate, A-00061
▷ADAI, *see* P-00105
▷Adalat, *see* N-00110
▷Adalin, *see* B-00300
▷1-Adamantanamine, *see* A-00206
Adamantoylcytarabine, *in* C-00667
2-(1-Adamantylamino)ethyl *p*-chlorophenoxy acetate, *see* A-00061
1-(1-Adamantyl)-2-azetidinecarboxylic acid, A-00062
N-1-Adamantyl-2-[(2-dimethylamino)ethoxy]acetamide, *see* T-00545
1-(1-Adamantyl)ethylamine, A-00063
α-(1-Adamantylmethylamino)-4′,6′-dibromo-*o*-acetotoluidide, *see* A-00065
1-Adamantyl-2-methyl-2-propylamine, A-00064
Adam CA, *in* C-00667
Adamexine, A-00065
▷Adamon, *in* C-00330
▷Adanon, *see* M-00163
▷Adaptic, *in* E-00204
Adaptinol, *in* L-00115
▷Adaptol, *in* M-00081
ADCA, *see* B-00191
▷Adcortyl, *in* T-00419
ADD-3878, *see* C-00339
▷Addicillin, *see* P-00066
Adechlorin, A-00066
Adecol, *see* A-00022
▷Ademetionine, *in* A-00068
Ademide, *see* C-00529
▷Ademil, *see* F-00157
▷Ademol, *see* F-00157
▷Adena-A, *in* A-00435
▷Adenine cordyceposide, *see* C-00543
▷Adenosine, A-00067
▷Adenosine cyclic 3′,5′-(hydrogen phosphate), *see* C-00591
Adenosine 5′-(trihydrogen diphosphate) 3′-(dihydrogen phosphate) 5′-[3-hydroxy-4-[[3-[(2-mercaptoethyl)amino]-3-oxopropyl]amino]-2,2-dimethyl-4-oxobutyl] ester, *see* C-00528
▷Adenosine 5′-(trihydrogen diphosphate) (5′→5′) ester with 3-(aminocarbonyl)-1-β-D-ribofuranosylpyridinium hydroxide inner salt, *see* C-00530
S-Adenosylmethionine, A-00068
▷Adepril, *in* M-00081
Adeprim, *see* Q-00036
Aderan-Sostenido, *see* C-00462
Aderman, *in* H-00191

▷Adermin, *see* P-00582
▷Adermykon, *see* C-00261
▷Adestan, *in* I-00183
▷Adiabil, *see* G-00071
Adibendan, A-00069
▷Adicillin, *see* P-00066
▷Adifax, *in* F-00050
Adigenin, *in* T-00474
Adigoside, *in* T-00474
4,4a-Dihydromevinolin, *in* M-00348
Adimolol, A-00070
Adinazolam, A-00071
Adinazolam mesylate, *in* A-00071
▷Adiphen, *see* A-00072
▷Adiphenine, A-00072
▷Adiphenine hydrochloride, *in* A-00072
Adipiodone, *see* I-00097
Adipost, *in* M-00290
3,3′-(Adipoyldiimino)bis(2,4,6-triiodobenzoic acid), *see* I-00097
▷5,5-(Adipoyldiimino)bis[2,4,6-triiodo-*N*-methylisophthalamic acid], *see* I-00093
Adisne, *in* T-00169
Aditeren, A-00073
Aditoprime, *in* A-00073
Adiuretin SD, *see* D-00097
adoAra C, *in* C-00667
▷Adobiol, *in* B-00349
AdOCA, *in* C-00667
Adoisine, *in* W-00001
▷Adopon, *in* D-00234
ADR-033, *see* T-00522
Adrafinil, A-00074
Adremycine, *in* C-00232
▷Adrenaline, A-00075
Adrenaline dipivalate, *see* D-00518
▷Adrenalone, A-00076
▷Adrenochrome, A-00077
▷Adrenocorticotrophin, *see* C-00547
▷Adrenocorticotropic hormone, *see* C-00547
▷Adrenone, *see* A-00076
▷Adrenor, *in* N-00208
Adrenorphin, A-00078
Adrenosem, *in* A-00077
Adrenosterone, A-00079
Adrestat *F*, *in* A-00077
▷Adrevil, *in* B-00385
▷Adriacin, *see* A-00080
▷Adriamycin, A-00080
Adriamycinone, *in* A-00080
▷Adrianol, *in* A-00272
▷Adriblastin, *see* A-00080
Adrilyl, *see* C-00610
Adrovet, *see* N-00162
▷Adroyd, *see* O-00154
▷ADU, *see* E-00015
Adurix, *see* C-00480
AE 9, *see* F-00026
▷AE-17, *see* S-00283
▷Aedurid, *see* E-00015
▷Aeranne, *see* C-00231
Aerbron, *see* P-00545
▷Aerobid, *see* F-00167
▷Aerodrine, *see* M-00194
▷Aerosporin, *in* P-00384
▷Aerotrol, *in* I-00198
Aeruginoic acid, *see* H-00199
Aesculamin, *see* E-00121
▷Aesculetin 6-methyl ether, *see* H-00148
▷Aescusan, *in* O-00036
Aestocin, *see* D-00380
AET, *see* P-00380
▷Aethoksid, *in* B-00222
Aethonitazen, *see* E-00260
▷Aethoxydum, *in* B-00222
▷Aethylvanillin, *in* D-00311
AF 1, *in* D-00586
▷AF 1890, *see* L-00086
▷AF 1923, *see* T-00356
▷AF 2071, *in* C-00548
AF-438, *in* O-00130
▷AF 594, *see* M-00353
▷AF-634, *in* P-00545
▷AF 983, *see* B-00167
▷Afaxin, *see* V-00058
Afigan, *see* D-00136
▷Afiperon, *see* A-00503
▷Afloqualone, A-00081
▷Afloxan, *in* P-00467
Afloyan, *see* E-00250
▷Afrin, *in* O-00153
Afrinol, *in* M-00221
Afroside, *in* G-00079
▷Aftate, *see* T-00354
Afungin, *see* S-00183
Afurolol, A-00082
AG 5895, *in* D-00138
AG 629, *see* S-00134
AG 58107, *in* D-00138
▷AGA, *in* A-00012
▷Agalacto-Quilea, *in* E-00231
Aganodine, A-00083
▷Agarin, *see* A-00283
▷Agastril, *in* C-00196
▷Agedal, *in* N-00229
Agelix, *in* D-00138
▷Agerite, *see* B-00124
Ageroplas, *see* D-00545
AGF_2, *see* S-00063
AGN 197, *in* P-00246
AGN 511, *in* P-00407
AGN 616, *in* F-00018
Agofell, *in* D-00366
▷Agofollin, *in* O-00028
▷Agolanid, *in* D-00275
Agontan, *see* D-00365
Agostine, *see* B-00324
Agovirin-Depot, *in* H-00111
▷Agozol, *in* P-00423
Agr 620, *in* M-00381
Agradil, *see* V-00018
Agreal, *see* V-00018
▷Agrexen, *see* M-00405
▷Agribon, *see* S-00238
Agrimonolide, A-00084
Agrimophol, A-00085
Agrobactin, A-00086
AH 3, *see* E-00256
▷AH 2250, *see* B-00368
AH 3923, *see* S-00018
AH 5183, *see* V-00025
▷AH 8165, *in* F-00019
AH 853, *see* M-00247
AH 19065, *in* R-00011
AH 22216, *see* L-00007
AH 23844, *see* L-00109
AH 25352, *see* S-00179
▷Ahanon, *in* T-00006
AHF, *see* F-00003
A17 HF, *see* D-00466
▷Ahistan, *see* D-00403
▷Ahpatinin *C*, *in* P-00109

▷Ahpatinin *D*, *in* P-00109
▷AHR 1118, *in* D-00498
▷AHR-1680, *see* F-00069
AHR 224, *in* P-00593
AHR 2277, *in* L-00024
▷AHR 233, *see* M-00095
AHR 3015, *see* C-00383
▷AHR 3053, *see* C-00065
▷AHR 3096, *see* S-00017
AHR 3108, *see* M-00416
▷AHR 3219, *see* E-00244
▷AHR 438, *see* M-00152
AHR 483, *in* H-00069
AHR-504, *in* G-00070
▷AHR 619, *in* D-00591
AHR 6134, *in* C-00499
AHR 6646, *in* D-00621
AHR-8559, *see* F-00235
AHR 10282, *in* A-00219
AHR 10718, *in* S-00277
AHR 11190, *in* Z-00002
AHR 12135*B*, *in* Z-00002
AHR-3260B, *in* P-00382
AHR 5645B, *in* A-00229
AHR 5531C, *in* D-00027
AHR 5850D, *in* A-00218
AHR 11325D, *see* R-00070
▷A-Hydrocort, *in* C-00548
AI 27303, *see* C-00181
▷Aicamin, *in* A-00275
Aicase, *in* A-00275
▷Aicorat, *in* A-00275
Aigonyl, *in* A-00298
▷Aimax, *see* M-00165
▷Airbron, *in* A-00031
▷Airco 347, *see* C-00230
▷Airco 469, *see* C-00231
▷Airum, *see* F-00064
▷Aizen erythrosine, *see* E-00118
▷Aizumycin, *see* B-00158
▷(17*R*,21α)-Ajmalan-17,21-diol, *see* A-00088
Ajmalan-11,17-21-triol, *in* A-00088
Ajmalicine, A-00087
▷Ajmaline, A-00088
Ajmalinol, *in* A-00088
▷Ajucin simplex, *see* D-00232
▷Ajurac, *see* D-00232
Akatinol, *see* D-00402
▷Akineton, *see* B-00175
▷Akinophyl, *see* B-00175
▷Akitan, *see* B-00104
Aklavine, A-00089
Aklomide, *in* C-00258
Aklomix, *in* C-00258
Akrinol, *in* H-00071
Akrinor, *in* C-00009
▷Akrinor, *in* T-00167
Akrofollin, *in* O-00028
▷Aktilin, *in* R-00065
▷Aktinex, *see* C-00235
Aktivin, *see* T-00176
Akuammigine, *in* A-00087
▷8 AL, *see* N-00090
▷AL 0361, *in* P-00179
AL 0559, *see* A-00313
▷AL 1021, *see* C-00093
AL 1576, *see* I-00041
▷AL 304, *in* Q-00035
AL 307, *in* D-00166
AL 70-35, *see* F-00102
AL 842, *in* D-00106
AL 02145, *in* A-00427
ALA 306, *see* A-00199
Alacepril, A-00090
Alacortril, *in* F-00201
▷Aladione, *see* P-00222
Alafosfalin, A-00091
Alafosfin, *see* A-00091
Alahopcin, A-00092
Alamarckine, *in* C-00172
1-β-Alanine-17-[*N*-(4-aminobutyl)-L-lysinamide]-$\alpha^{1\ 17}$-corticotrophin, *see* A-00152
▷6-L-Alaninecapreomycin IA, *in* C-00031
7-L-Alaninecyclosporin *A*, *in* C-00638
1-β-Alanine-17-[L-2,6-diamino-*N*-(4-aminobutyl)hexanamide]-$\alpha^{1\ 17}$-corticotropin, *see* A-00152
2-D-Alanine-4-[4-(dimethylamino)-*N*-methyl-L-phenylalanine]-virginiamycin S_1, *see* P-00440
Alanine Nitrogen Mustard, *see* M-00084
Alanino-2′,6′-xylidide, *see* T-00332
Alanosine, A-00093
Alanta-SF, *in* A-00123
[2-(Alanylamino)ethyl]phosphonic acid, *see* A-00091
N-Alanyl-(2-aminoethyl)phosphonic acid, *see* A-00091
N-Alanyl-3-[(hydroxyamino)carbonyl]-5-oxonorvaline, *see* A-00092
Alaprin, *see* A-00144
Alaproclate, A-00094
Alarant, *in* A-00123
Alazanine triclofenate, *in* E-00187
▷Alazone, *see* D-00179
▷Alazopeptin, A-00095
▷Alba, *see* B-00124
▷Albalon liquifilm, *in* N-00041
▷Albamycin, *see* N-00228
▷Albego, *see* C-00019
▷Alben, *see* A-00096
▷Albendazole, A-00096
Albendazole oxide, *in* A-00096
Albendazole sulfoxide, *in* A-00096
Albiflorin, A-00097
Albizziine, A-00098
Albocresil, *in* D-00216
▷Albocycline, A-00099
Albocycline M-1, *in* A-00099
Albocycline M-2, *in* A-00099
Albocycline M-3, *in* A-00099
Albocycline M-4, *in* A-00099
Albocycline M-5, *in* A-00099
Albocycline M-6, *in* A-00099
Albocycline M-7, *in* A-00099
▷Albofungin, A-00100
Albofungin *B*, *in* A-00100
▷Albon, *see* S-00238
▷Albone, *see* H-00100
Alborixin, A-00101
Albothyl, *in* D-00216
▷Albucid, *in* A-00213
▷Albuterol, *see* S-00012
▷Albuterol sulfate, *in* S-00012
Albutoin, A-00102
▷ALCA, *in* A-00123
Alcaine, *in* P-00550
▷Alcanfer, *see* C-00023
Alcindoromycin, *in* M-00022
▷Alclofenac, A-00103
Alclometasone, A-00104
Alclometasone dipropionate, *in* A-00104
▷Alcloxa, *in* A-00123
▷Alcobon, *see* F-00183
▷Alcohol, *see* E-00149
▷Alcojel, *see* P-00491
Alcomcinol, *in* D-00604
Alcopar, *in* B-00132
▷Alcopon, *in* C-00037
Alcorten, *in* T-00419

▷Alcuronium(2+), A-00105
▷Alcuronium chloride, *in* A-00105
ALDA, *in* A-00123
▷Aldaban, *see* T-00088
▷Aldactone, *see* S-00125
▷Aldactone *A*, *see* S-00125
Aldarsone, *see* P-00146
▷Aldefur, *see* N-00116
▷Alderlin, *in* P-00483
Aldesulfone sodium, *in* S-00223
▷Aldinamide, *in* P-00560
Aldioxa, *in* A-00123
▷Aldoclor, *in* C-00288
▷Aldocorten, *see* A-00106
Aldomet, *in* M-00249
▷Aldoron, *see* N-00146
▷Aldosterone, A-00106
Aldrisone, *see* E-00052
Aldrithiol 2, *see* D-00551
▷Alecor, *in* E-00094
Alefexole, *see* T-00009
Alene, *see* E-00080
▷Alentin, *see* C-00070
Alerga, *in* M-00064
▷Alermizol, *see* A-00466
Alert, *see* C-00427
Alesal, *in* H-00112
Alestrum, *see* F-00212
▷Aletamine hydrochloride, *in* A-00307
▷Aleudrine, *see* I-00198
▷Aleukon, *see* B-00198
Aleviatin (new form), *in* B-00087
Alevotos, *see* F-00027
Alexandrin, *in* S-00151
Alexidine, A-00107
Alexitol, A-00108
Alexitol sodium, *in* A-00108
Alfacalcidol, A-00109
▷Alfacol, *in* T-00335
▷Alfadolone, *in* H-00200
Alfaland, *in* P-00378
Alfaprostol, A-00110
Alfarol, *see* A-00109
▷Alfason, *in* C-00548
Alfasone, *see* A-00114
▷Alfasone acetonide, *in* A-00114
▷Alfatil, *see* C-00109
Alfavet, *see* A-00110
▷Alfaxalone, *in* H-00200
Alfentanil, A-00111
Alfentanil hydrochloride, *in* A-00111
Alferon, *in* I-00079
Alfetamine, *see* A-00307
▷Alficetyn, *see* C-00195
▷Alfide, *see* S-00283
▷Alflorone, *see* F-00147
▷Alflorone acetate, *in* F-00147
Alfluorone, *in* F-00184
Alfone, *see* A-00311
Alfospas, *see* T-00323
Alfuzosin, A-00112
Alfuzosin hydrochloride, *in* A-00112
Algeldrate, A-00113
▷Algeril, *in* P-00505
Algestone, A-00114
▷Algestone acetonide, *in* A-00114
▷Algestone acetophenide, *in* A-00114
▷Alginic acid, A-00115
Alginor, *in* C-00351
Algiospray, *in* A-00290
Algobaz, *see* M-00241
Algopent, *in* P-00093
Algopriv, *in* D-00526
Algorene, *see* G-00024
▷Alhydex, *see* P-00090
▷Alibendol, A-00116
Aliconazole, A-00117
▷Alidine, *see* A-00390
Alifedrine, A-00118
Aliflurane, *see* C-00287
Alimadol, A-00119
▷Alimemazine, *see* T-00495
▷Alimemazine tartrate, JAN, *in* T-00495
▷Alinamin F, *see* F-00299
Alinidine, A-00120
A-4020 Linz, *in* M-00369
Alipamide, A-00121
Alisactide, *see* A-00152
Alivin, *in* P-00061
Alizapride, A-00122
Alkafanone, *see* A-00311
Alkaloid *A*, *in* P-00416
▷Alkaloid *F*, *see* D-00062
Alkaloid *F*-3, *in* V-00024
Alkaloid *F*-4, *in* V-00024
▷Alkaloid *CC*-5, *in* D-00062
▷Alkaloid *CC*-19, *in* D-00062
Alkaloid NP, *in* O-00022
▷Alkalovert, *in* I-00074
Alkaphyllin, *in* T-00169
▷Alkeran, *in* M-00084
Alkixa, *in* A-00123
Alkofanone, *see* A-00311
▷Allacilum, *see* A-00291
▷Allacyl, *see* A-00291
Allantoin, A-00123
▷Allegron, *in* N-00224
▷Alleoside, *in* T-00478
▷Allercur, *in* C-00418
▷Allerest, *in* A-00308
Allerga, *in* M-00064
▷Allethrin, A-00124
Alletorphine, A-00125
Alliotoxigenin, *in* T-00473
▷Allisan, *see* D-00196
Alliumoside *A*, *in* S-00129
▷Allobarbital, *see* D-00119
▷Allobarbitone, *see* D-00119
Allochenodeoxycholic acid, *in* D-00320
Allocholic acid, *in* T-00475
▷Alloclamide, A-00126
Alloclamide hydrochloride, JAN, *in* A-00126
Allocupreide, A-00127
▷Allocupreide sodium, *in* A-00127
▷Alloferin, *in* A-00105
▷2^{A}-D-Alloisoleucineactinomycin *D*, *see* A-00055
▷2^{A}-D-Alloisoleucine-2^{B}-D-alloisoleucineactinomycin *D*, *see* A-00056
α-Allokainic acid, *in* K-00001
α-Allokaininic acid, *in* K-00001
Allomethadione, *see* A-00143
▷Allomycin, *see* A-00187
▷Allonal, *see* A-00430
α-Allophanyl-α-allyl-γ-valerolactone, *see* V-00004
▷Allopurinol, *see* D-00300
▷Allopydin, *see* A-00103
▷Allorphine, *see* N-00032
Allostrophanthidin, *in* T-00478
▷Alloxan, A-00128
Alloxanthine, *see* P-00564
▷1-Allyl-6-amino-3-ethylpyrimidine-2,4-dione, *see* A-00291
▷1-Allyl-6-amino-3-ethyluracil, *see* A-00291
2-(Allylamino)-4-thiazolecarboxylic acid [3-(5-nitro-2-furyl)-allylidene]hydrazide, *see* N-00117
▷Allylbarbital, *see* B-00386
▷Allylbarbitural, *see* D-00119
5-Allyl-5-(2-bromoallyl)barbituric acid, *see* B-00265

▷5-Allyl-5-*sec*-butylbarbituric acid, *see* T-00007

2-Allyl-*N*-carbamoyl-2-(2-hydroxypropyl)malonamic acid γ-lactone, *see* V-00004

▷Allylcatechol methylene ether, *see* A-00131

N'-Allyl-4-chloro-6-[(3-hydroxy-2-butenylidene)amino]-*m*-benzenedisulfonamide, *see* A-00174

Allylcinchophen, *in* P-00206

▷5-Allyl-5-(2'-cyclohexenyl)-2-thiobarbituric acid, *see* T-00172

▷5-Allyl-5-(2-cyclopentenyl)barbituric acid, *see* C-00629

S-Allylcysteine, *in* C-00654

17-Allyl-17-demethyl-7α-(1-hydroxy-1-methylbutyl)-6,14-*endo*-ethenotetrahydrooripavine, *see* A-00125

2-(*N*-Allyl-2,6-dichloroanilino)-2-imidazoline, *see* A-00120

▷17-Allyl-7,8-didehydro-4,5α-epoxymorphinan-3,6α-diol, *see* N-00032

▷*N*-Allyl-7,8-dihydro-14-hydroxynormorphinone, *see* N-00033

▷17-Allyl-4,5α-epoxy-3,14-dihydroxymorphinan-6-one, *see* N-00033

▷Allylestrenol, *see* A-00132

▷17-Allylestr-4-en-17β-ol, *see* A-00132

5-Allyl-5-ethylbarbituric acid, A-00129

▷5-Allylguaiacol, *see* M-00215

▷17α-Allyl-17β-hydroxy-4,9,11-estratrien-3-one, *see* A-00159

▷5-Allyl-*N*-(2-hydroxyethyl)-3-methoxysalicylamide, *see* A-00116

▷5-Allyl-2-hydroxy-*N*-(2-hydroxyethyl)-*m*-anisamide, *see* A-00116

▷1-Allyl-4-hydroxy-3-methoxybenzene, *see* M-00215

▷*N*-Allyl-3-hydroxymorphinan, *see* L-00038

▷17α-Allyl-17β-hydroxy-19-nor-4,9,11-androstatrien-3-one, *see* A-00159

▷5-Allyl-5-(2-hydroxypropyl)barbituric acid, *see* P-00546

2-Allyl-2-(2-hydroxypropyl)malonic acid lactone ureide, *see* V-00004

▷5-Allyl-5-isobutylbarbituric acid, *see* B-00386

5-Allyl-5-isobutyl-2-thiobarbituric acid, *see* B-00400

3-Allyl-5-isobutyl-2-thiohydantoin, *see* A-00102

▷5-Allyl-5-isopropylbarbituric acid, *see* A-00430

5-Allyl-5-isopropyl-1-methylbarbituric acid, A-00130

m-[(*N*-Allyl-1-mercaptoformididoyl)amino]benzoic acid monocopper(1+), *see* A-00127

N-Allyl-*N*-(3-methoxy-3,3-diphenylpropyl)ammonium chloride, *in* A-00119

▷4-Allyl-2-methoxyphenol, *see* M-00215

▷5-Allyl-5-(1-methylbutyl)barbituric acid, *see* Q-00011

5-Allyl-5-(1-methylbutyl)-2-thiobarbituric acid, *see* T-00180

▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131

5-Allyl-1-methyl-5-(1-methyl-2-pentynyl)barbituric acid, *see* M-00187

3-Allyl-5-methyloxazolidine-2,4-dione, *see* A-00143

3-Allyl-1-methyl-4-phenyl-4-propionyloxypiperidine, *see* A-00133

▷17-Allylmorphinan-3-ol, *see* L-00038

5-Allyl-5-neopentylbarbituric acid, *see* N-00055

▷*N*-Allylnormorphine, *see* N-00032

▷Allyloestrenol, A-00132

2-[(Allyloxy)amino]-7-chloro-5(*o*-chlorophenyl)-3*H*-1,4-benzodiazepine, *see* U-00004

▷2-(Allyloxy)-4-chloro-*N*-[2-(diethylamino)ethyl]benzamide, *see* A-00126

▷[4-(Allyloxy)-3-chlorophenyl]acetic acid, *see* A-00103

▷1-(β-Allyloxy-2,4-dichlorophenethyl)imidazole, *see* I-00025

▷2-(Allyloxy)-*N*-[2-(diethylamino)ethyl]-α,α,α-trifluoro-*p*-toluamide, *see* F-00129

▷1-[*o*-(Allyloxy)phenoxy]-3-(isopropylamino)-2-propanol, *see* O-00145

α-Allylphenethylamine, *see* A-00307

▷1-(2-Allylphenoxy)-3-(isopropylamino)propan-2-ol, *see* A-00151

▷Allyl phenyl ether, *in* P-00161

2-(4-Allyl-1-piperazinyl)-4-amino-6,7-dimethoxyquinazoline, *see* Q-00014

Allylprodine, A-00133

N-[(1-Allyl-2-pyrrolidinyl)methyl]-4-amino-5-(methylsulfamoyl)-*o*-anisamide, *see* A-00149

N-[(1-Allyl-2-pyrrolidinyl)methyl]-2,3-dimethoxy-5-sulfamoylbenzamide, *see* V-00018

N-[(1-Allyl-2-pyrrolidinyl)methyl]-6-methoxy-1*H*-benzotriazole-5-carboxamide, *see* A-00122

(3-Allyltetrahydro-5-methyl-2-oxo-3-furoyl)urea, *see* V-00004

▷Allylthiocarbamide, *see* P-00496

3-[(Allylthio)methyl]-6-chloro-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* A-00157

3-[(Allylthio)methyl]-6-chloro-3,4-dihydro-2-methyl-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* M-00166

▷Allylthiomethylpenicillin, *see* A-00137

▷Allylthiourea, *see* P-00496

α-Allyl-3,4,5-trimethoxy-*N*-methylphenethylamine, *see* T-00519

▷4-Allylveratrole, *in* M-00215

▷Allyproid, *in* O-00089

Almagate, A-00134

Almagodrate, A-00135

Almart, *in* A-00447

Almasilate, A-00136

Almax, *see* A-00134

▷Almecillin, A-00137

▷Almediol, *in* O-00028

Almestrone, *in* O-00031

Almicet, *in* G-00072

▷Al-Migren, *see* M-00159

Alminoprofen, A-00138

▷Almitrine, A-00139

Almoxatone, A-00140

▷Alnortoxiferine, *see* A-00105

▷Alnovin, *see* F-00045

▷Aloferin, *in* A-00105

Alogspray, *in* A-00290

▷Aloin, *see* B-00013

Alomen, *see* C-00154

Alonacic, A-00141

▷Alondra *F*, *see* F-00215

Alongapen, *see* F-00102

Alonimid, A-00142

▷Alophen, *see* B-00013

▷Aloquin, *see* B-00124

▷Alotano, *see* B-00294

Alotec, *in* O-00053

Aloxidone, A-00143

Aloxiprin, A-00144

Aloxistatin, *in* M-00266

Alozafone, A-00145

Alperidine, *see* A-00133

Alpertine, A-00146

Alpha D_3, *see* A-00109

Alphaacetylmethadol, *in* M-00162

Alpha Amylase, A-00147

▷Alphacaine, *in* C-00103

Alphacemethadone, *in* M-00162

Alphacillin, *in* P-00362

▷Alphadolone, *in* H-00200

Alphadolone acetate, *in* H-00200

Alphadrol, *see* F-00208

Alphameprodine, *in* M-00105

Alphamethadol, *in* M-00162

Alphamethylnorepinephrine, *see* A-00249

Alphaprodine, *in* P-00460

Alphaprodine hydrochloride, *in* P-00460

alphaRedisol, *see* V-00061

Alphasone, *see* A-00114

▷Alphasone acetonide, *in* A-00114

▷Alphasone acetophenide, *in* A-00114

▷Alphatrex, *in* B-00141

▷Alphaxalone, *in* H-00200
Alphazurine 2G, *see* S-00249
Alphosyl, *see* A-00123
Alpidem, A-00148
Alpiropride, A-00149
▷Alprazolam, A-00150
▷Alprenolol, A-00151
▷Alprenolol hydrochloride, *in* A-00151
▷Alprostadil, *in* D-00341
Alredase, *see* T-00370
▷Alrestatin, *see* D-00478
Alrestatin sodium, *in* D-00478
▷Alrheumat, *see* K-00017
Alsactide, A-00152
Alsol, *in* B-00202
Altacaps, *in* D-00390
Altacite, *see* H-00103
Altanserin, A-00153
Altanserin tartrate, *in* A-00153
Altapin, *in* D-00588
Altapizone, A-00154
Altat, *in* R-00097
Alteconazole, A-00155
Alteplase, A-00156
Althiazide, A-00157
▷Althiomycin, A-00158
Altimol, *see* M-00274
Altin, *see* C-00551
▷Altinil, *in* T-00181
Altizide, *see* A-00157
▷Altocid, *in* M-00189
▷Altosid, *in* M-00189
▷Altren, *see* A-00013
▷Altrenogest, A-00159
▷Altretamine, *see* T-00535
Alucalm, *in* A-00108
Aludrin, *in* I-00198
Alufibrate, *in* C-00456
▷Alugan, *see* B-00295
▷Aluminium flufenamate, JAN, *in* F-00148
Aluminium hydroxy sulfate dodecahydrate, *see* A-00160
Aluminosilicic acid magnesium salt, *see* S-00072
▷Aluminum chlorhydroxy allantoinate, *in* A-00123
Aluminum clofibrate, *in* C-00456
Aluminum hydroxide hydrate, *see* A-00113
Aluminum magnesium carbonate hydroxide, *see* A-00134
Aluminum magnesium hydroxide sulphate, *see* M-00005
Alupent, *in* O-00053
▷Alurate, *see* A-00430
▷Alurate sodium, *in* A-00430
Alusulf, A-00160
Aluzime, *see* C-00528
Alverine, *see* E-00184
Alverine citrate, USAN, *in* E-00184
Alvinine, *in* X-00010
▷Alvinol, *see* E-00151
▷Alvo, *see* D-00500
Alvodine, *see* P-00260
▷Alyrane, *see* C-00230
Alzegir, *in* V-00039
Am 80, *see* T-00131
Am 109, *in* M-00184
Am 833, *see* F-00116
AMA 1080, *see* C-00104
Amacetam, *see* P-00397
▷Amacid brilliant blue, *in* I-00058
AMA-De 1973, *in* C-00548
Amadinone, A-00161
Amadinone acetate, *in* A-00161
Amafolone, *see* A-00261
▷Amalcaine, *see* N-00008
▷Amanitin, *see* C-00308
Amanozine, A-00162
▷Amantadine, *see* A-00206
▷Amantadine hydrochloride, JAN, *in* A-00206
Amantalcol, *in* A-00163
Amantanium(1+), A-00163
Amantanium bromide, *in* A-00163
Amantocillin, A-00164
Amantol, *in* A-00163
▷Amatron, *see* F-00021
Ambamustine, A-00165
▷Ambazone, A-00166
Ambenonium(2+), A-00167
▷Ambenonium chloride, *in* A-00167
Ambenoxan, A-00168
▷Ambestigmin chloride, *in* A-00167
▷Ambicromil, A-00169
▷Ambilhar, *see* N-00156
▷Ambivalon, *in* N-00224
▷Ambochlorin, *see* C-00194
Ambodryl, *see* B-00299
▷Ambomycin, *see* A-00095
▷Ambravein, *see* M-00096
Ambredin, *in* A-00300
Ambrolitic, *in* A-00170
Ambrostasin, *see* D-00122
▷Ambroxol, A-00170
Ambroxol hydrochloride, JAN, *in* A-00170
▷Ambruticin, A-00171
▷Ambucaine, A-00172
▷Ambucetamide, A-00173
▷Ambuphylline, *in* T-00169
Ambuside, A-00174
▷Ambutonium(1+), A-00175
▷Ambutonium bromide, *in* A-00175
Ambutonium iodide, *in* A-00175
▷Ambutoxate, *see* A-00172
▷Ambutyrosin, *see* B-00408
▷Ambutyrosin *A*, *see* B-00408
▷Ambutyrosin *B*, *in* B-00408
▷Ambylan, *see* A-00428
▷Amciderm, *see* A-00177
Amcinafal, *in* T-00419
Amcinafide, A-00176
Amcinol, *in* D-00604
▷Amcinonide, A-00177
▷Amdinocillin, *see* M-00042
Amdinocillin pivoxil, *see* P-00366
▷Amebacilin, *see* F-00273
Amebamida, *see* D-00372
▷Amebarsin, *see* E-00147
▷Amebex, *see* F-00273
Amebiazol, *in* D-00372
▷Amebifan, *see* G-00069
▷Amebisan, *in* T-00219
Ame-Boots, *see* D-00372
Amebucort, A-00178
Amedalin, A-00179
Amedalin hydrochloride, *in* A-00179
▷Amedel, *see* B-00195
▷Amekrin, *see* A-00373
Amelizol, *in* T-00571
Amendol, *see* A-00034
Amenide, *see* Q-00023
Amenox, *see* Q-00023
Amenozine, *see* A-00162
Amerscan, *in* M-00168
▷Amesa, *in* T-00169
▷Amesec, *in* M-00221
Ametantrone, A-00180
Ametantrone acetate, *in* A-00180
Ametazole, *see* A-00256
▷Amethocaine hydrochloride, *in* T-00104
▷Amethone, *see* A-00355
▷Amethopterin, *see* M-00192
▷Ametoxin, *see* D-00385
▷Ametriodinic acid, *see* I-00095
▷Ametycine, *see* M-00404
Amezepine, A-00181
Amezepine pamoate, *in* A-00181
Amezinium(1+), *see* A-00279

▷Amezinium metilsulfate, *in* A-00279
Amfebutamone, *see* B-00371
Amfecloral, *see* A-00366
▷Amfenac, *see* A-00218
Amfenac sodium, *in* A-00218
Amfepentorex, A-00182
▷Amfepramone, *see* D-00240
▷Amfetamine, *see* P-00202
▷Amfetaminil, A-00183
Amfetyline, *see* F-00047
Amflutizole, A-00184
Amfonelic acid, A-00185
▷Amfostet, *see* A-00368
▷Amicar, *see* A-00259
Amicarbalide, A-00186
▷Amicetin, A-00187
▷Amicetin *A*, *see* A-00187
▷Amichlophen, *see* C-00455
Amicibone, A-00188
▷Amicin, *see* N-00179
▷Amicla, *see* A-00177
Amicos, *see* C-00414
Amicycline, A-00189
Amidalgon, *see* D-00474
▷Amidantel, A-00190
Amidapsone, *see* A-00312
▷Amidefrine mesilate, *in* A-00191
Amidephrine, A-00191
▷Amidephrine mesylate, *in* A-00191
1-Amidino-3-(3-chloro-4-cyanophenyl)urea, *see* C-00464
N-Amidino-3,5-diamino-6-chloropyrazinamide, *see* A-00198
N-Amidino-2-(2,6-dichlorophenyl)acetamide, *see* G-00103
N-(2-Amidinoethyl)-3-aminocyclopentanecarboxamide, *see* A-00192
N-Amidino-4-morpholinecarboxamidine, *see* M-00446
Amidinomycin, A-00192
6-Amidino-2-naphthyl 4-guanidinobenzoate, *see* N-00009
▷Amidinopenicillin *HX*, *see* M-00042
8-(3-Amidinophenyldiazoamino)-3-amino-5-ethyl-6-phenylphenanthridinium, *see* I-00191
▷*N'*-Amidinosulfanilamide, *see* S-00240
N-Amidinotaurine, *see* G-00112
2-Amidino-1,2,3,4-tetrahydroisoquinoline, *see* D-00033
Amidol, *see* M-00162
▷Amidoline, *see* E-00258
▷Amidonal, *in* A-00429
▷Amidone, *see* M-00163
▷Amidophos, *see* C-00572
▷Amidoprocaine, *see* P-00446
▷Amidopyrine, *see* A-00327
▷Amidotrizoic acid, *in* D-00138
Amidozol, *see* S-00255
▷Amifatidine, *see* F-00013
▷Amifenazole, *see* D-00134
Amiflamine, A-00193
Amifloverine, A-00194
Amifloxacin, A-00195
Amifloxacin mesylate, *in* A-00195
▷Amifostine, *see* E-00155
▷Amifur, *in* N-00177
▷Amikacin, A-00196
▷Amikacin sulfate, *in* A-00196
Amikazol, *see* D-00143
Amikhelline, A-00197
▷Amikin, *see* A-00196
Amiloride, A-00198
Amiloride hydrochloride, *in* A-00198
▷Amilyt, *in* B-00096
▷Amimethyline, *see* P-00544
▷Amimycin, *see* O-00035
▷Aminacrine, *see* A-00205
Aminacrine hexylresorcinate, *in* H-00071
▷Aminacrine hydrochloride, *in* A-00205
▷Aminarson, *see* C-00043
Amindocate, A-00199
Amineptine, A-00200
Amin-Glaukosan, *in* H-00077
▷Aminitrozole, *in* A-00294
▷2-(2-Aminoacetamido)-4'-chloro-2'-(*o*-chlorobenzoyl)-*N*-methylacetamide, *see* L-00100
5-[[(Aminoacetyl)amino]methyl]-1-[4-chloro-2-(2-chlorobenzoyl)phenyl]-*N*,*N*-dimethyl-1*H*-1,2,4-triazole-3-carboxamide, *see* R-00051
▷Aminoacridine, *see* A-00205
▷1-Aminoacridine, A-00201
▷2-Aminoacridine, A-00202
▷3-Aminoacridine, A-00203
▷4-Aminoacridine, A-00204
▷9-Aminoacridine, A-00205
▷*ms*-Aminoacridine, *see* A-00205
▷1-Aminoadamantane, A-00206
(3-Amino-1-adamantyl)penicillin, *see* A-00164
▷D-δ-(α-Aminoadipoyl)penicillin, *see* P-00066
▷4-Amino-*N*-(aminocarbonyl)benzenesulfonamide, *see* S-00203
4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+), A-00207
4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1-methylquinaldinium, *see* A-00207
3-Amino-8-[(2-amino-1,6-dimethylpyrimidium-4-yl)amino]-6-(4-aminophenyl)-5-methylphenanthridinium, *see* P-00589
2-Amino-5-[(aminoiminomethyl)amino]pentanoic acid, *see* A-00441
▷4-Amino-*N*-(aminoiminomethyl)benzenesulfonamide, *see* S-00240
3-Amino-8-[3-[3-(aminoiminomethyl)phenyl]-1-triazenyl]-5-ethyl-6-phenylphenanthridinium, *see* I-00191
4-Amino-*N*-(2-aminophenyl)benzamide, A-00208
[2-Amino-4-(aminosulfonyl)phenyl]arsonic acid, A-00209
4-Amino-*N*-(aminothioxomethyl)benzenesulfonamide, *see* S-00257
2-Amino-4-anilino-*s*-triazine, *see* A-00162
▷3-Aminoanisic acid, *in* A-00263
▷*p*-Aminoanisole, *see* M-00195
▷4-Aminoantipyrine, *see* A-00244
4-Amino-1-arabinofuranosyl-2-oxo-1,2-dihydropyrimidine, *see* C-00667
4-Amino-1-arabinofuranosyl-2(1*H*)-pyrimidinone, *see* C-00667
4-Amino-1-β-D-arabinofuranosyl-1,3,5-triazin-2(1*H*)-one, *see* F-00020
▷2-Amino-4-arsenosophenol, *see* O-00135
4-Amino-*N*-1-azabicyclo[3.3.1]non-4-yl-5-chloro-2-methoxybenzamide, *see* R-00023
4-Amino-*N*-1-azabicyclo[2.2.2]oct-3-yl-5-chloro-2-methoxybenzamide, *see* Z-00002
▷Aminoazathioprin, *see* T-00178
▷*o*-Aminoazotoluene, *see* A-00251
▷4-Aminobenzaldehyde, A-00210
2-Aminobenzamide, *in* A-00215
4-(4'-Aminobenzamido)antipyrine, A-00211
Aminobenzamidophenazone, *see* A-00211
▷4-Aminobenzeneacetic acid, *see* A-00299
α-Aminobenzeneacetic acid, *see* A-00300
▷3-Aminobenzenearsonic acid, *see* A-00301
▷4-Aminobenzenearsonic acid, *see* A-00302
▷4-Aminobenzenestibonic acid, A-00212
▷4-*p*-Aminobenzenesulfonamido-2,6-dimethoxypyrimidine, *see* S-00238
▷2-(4-Aminobenzenesulfonamido)-4,5-dimethyloxazole, *see* S-00248
▷2-(4-Aminobenzenesulfonamido)-3-methoxypyrazine, *see* S-00198
3-(4-Aminobenzenesulfonamido)-4-methoxy-1,2,5-thiadiazole, *see* S-00199
5-(4-Aminobenzenesulfonamido)-3-methylisothiazole, *see* S-00255
▷3-(4-Aminobenzenesulfonamido)-5-methylisoxazole, *see* S-00244
▷2-*p*-Aminobenzenesulfonamido-5-methyl-1,3,4-thiadiazole, *see* S-00243
▷2-(4-Aminobenzenesulfonamido)pyrimidine, *see* S-00237
▷4-Aminobenzenesulfonic acid, A-00213

▷*N*-*p*-Aminobenzenesulfonyl-*N*′-butylurea, *see* C-00070
3-Amino-1,2-benzisothiazole, A-00214
▷2-Aminobenzoic acid, A-00215
▷4-Aminobenzoic acid, A-00216
p-Aminobenzoic acid 2-(diethylamino)-1,4-dimethylpentyl ester, *see* C-00018
▷4-Aminobenzoic acid 2-(diethylamino)ethyl ester, *see* P-00447
▷2-Amino-3-benzoylbenzeneacetic acid, *see* A-00218
N-(4-Aminobenzoyl)glycine, A-00217
▷(2-Amino-3-benzoylphenyl)acetic acid, A-00218
2-Amino-*N*-benzyloxycarbonyl-2-deoxy-D-glucopyranose, *in* A-00235
▷D-α-Aminobenzylpenicillin, *see* A-00369
4-Amino-*N*-(1-benzyl-4-piperidyl)-5-chloro-*o*-anisamide, *see* C-00414
▷α-Aminobibenzyl, *see* D-00492
▷5-Amino-[3,4′-bipyridine]-6(1*H*)-one, *see* A-00372
5-Amino-1,3-bis(ethylhexyl)hexahydro-5-methylpyrimidine, *see* H-00064
2-Amino-3-(4-bromobenzoyl)benzeneacetic acid, *see* A-00219
[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid, A-00219
4-Amino-5-bromo-*N*-[1-(*p*-chlorobenzyl)-4-piperidyl]-*o*-anisamide, *see* B-00274
4-Amino-5-bromo-*N*-[2-(diethylamino)ethyl]-2-methoxybenzamide, *see* B-00317
4-Amino-*N*-(5-bromo-4,6-dimethyl-2-pyrimidinyl)-benzenesulfonamide, *see* S-00185
2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, A-00220
▷4-Aminobutanoic acid, A-00221
1-*S*-(2-Aminobutanoic acid)cyclosporin *A*, *in* C-00638
4-Amino-3-butoxybenzoic acid 2-(diethylamino)ethyl ester, *see* O-00146
▷4-Amino-*N*-[(butylamino)carbonyl]benzenesulfonamide, *see* C-00070
p-Amino-α[(*sec*-butylamino)methyl]benzyl alcohol, *see* A-00348
4-Amino-α-[(*tert*-butylamino)methyl]-3-chloro-5-(trifluoromethyl)benzyl alcohol, *see* M-00001
▷N^1-[3-[(4-Aminobutyl)amino]propyl]bleomycinamide, *see* B-00244
▷3-(2-Aminobutyl)indole, A-00222
▷5-Amino-*N*-butyl-2-(2-propynyloxy)benzamide, *see* P-00041
▷γ-Aminobutyric acid, *see* A-00221
▷Aminocaproic acid, *see* A-00259
N-Aminocarbonylacetamide, *in* U-00011
3-[(Aminocarbonyl)amino]alanine, *see* A-00098
▷[3-[(Aminocarbonyl)amino]-2-methoxypropyl]chloromercury, *see* C-00209
▷4-[(Aminocarbonyl)amino]phenylarsonic acid, *see* C-00043
▷*N*-(Aminocarbonyl)benzeneacetamide, *see* P-00176
N-(Aminocarbonyl)-2,2-bis(4-chlorophenoxy)acetamide, *see* U-00014
3-(Aminocarbonyl)-4-[4,4-bis(4-fluorophenyl)butyl]-*N*-(2,6-dichlorophenyl)-1-piperazineacetamide, *see* M-00391
▷*N*-(Aminocarbonyl)-2-bromo-2-ethylbutanamide, *see* B-00300
▷*N*-(Aminocarbonyl)-2-bromo-3-methylbutanamide, *see* B-00307
4-(Aminocarbonyl)-1-[[(2-carboxy-8-oxo-7-[(phenylsulfoacetyl)-amino]-5-thia-1-azatricyclo[4.2.0]-oct-2-en-3-yl]methyl]-pyridinium hydroxide, *see* C-00150
▷*N*-(Aminocarbonyl)-α-ethylbenzeneacetamide, *see* P-00153
N-(Aminocarbonyl)-2-ethyl-2-butenamide, *see* E-00011
▷γ-(Aminocarbonyl)-*N*-ethyl-*N*,*N*-dimethyl-γ-phenyl-benzenepropanaminium, *see* A-00175
N-(Aminocarbonyl)-2-ethyl-3-methylpentanamide, *see* C-00035
▷γ-(Aminocarbonyl)-*N*-methyl-*N*,*N*-bis(1-methylethyl)-γ-phenyl-benzenepropanaminium, *see* I-00199
N^5-(Aminocarbonyl)ornithine, *see* C-00405
▷1-[2-[(Aminocarbonyl)oxy]-3-butoxypropyl]-5-ethyl-5-phenyl-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* F-00022
▷5-[2-[(Aminocarbonyl)oxy]ethyl]-5-butyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* C-00068
▷2-[2-[(Aminocarbonyl)oxy-1-methoxyethyl]-3,6-bis(1-aziridinyl)-5-methyl-2,5-cyclohexadiene-1,4-dione, *see* C-00063
2-[[(Aminocarbonyl)oxy]methyl]-2,3-dimethylpentyl (1-methylethyl)carbamate, *see* N-00158
▷2-[[(Aminocarbonyl)oxy]methyl]-2-methylpentyl butylcarbamate, *see* T-00577
▷2-[[(Aminocarbonyl)oxy]methyl]-2-methylpentyl cyclopropylcarbamate, *see* L-00093
4-[4-[(Aminocarbonyl)oxy]octahydro-1(2*H*)-quinolinyl]-1-(4-fluorophenyl)-1-butanone, *see* C-00324
2-[(Aminocarbonyl)oxy]-*N*,*N*,*N*-trimethylethanaminium, *see* C-00040
2-[(Aminocarbonyl)oxy]-*N*,*N*,*N*-trimethyl-1-propanaminium, *see* B-00143
▷2,2′-[[[4-(Aminocarbonyl)phenyl]arsinidene]bis[thio]]-bisacetic acid, *see* A-00450
N-(Aminocarbonyl)tetrahydro-5-methyl-2-oxo-3-(2-propenyl)-3-furancarboxamide, *see* V-00004
N-[2-[(2-Amino-2-carboxyethyl)amino]-2-carboxyethyl]-L-aspartic acid, *in* A-00462
7-[(2-Amino-2-carboxyethyl)thio]-2-[[(2,2-dimethylcyclopropyl)carbonyl]amino]-2-heptenoic acid, *see* C-00342
3-[(5-Amino-1-carboxypentyl)amino]-2,3,4,5-tetrahydro-2-oxo-1*H*-1-benzazepine-1-acetic acid, *see* L-00042
5′-[(3-Amino-3-carboxypropyl)methyl]sulfonio]-5′-deoxyadenosine hydroxide inner salt, *see* A-00068
▷7-[5-Amino-5-carboxyvaleramido]cephalosporanic acid, *see* C-00177
▷6-(D-5-Amino-5-carboxyvaleramido)penicillanic acid, *see* P-00066
Aminochinol, *see* A-00331
▷2-Amino-4-(*p*-chloroanilino)-*s*-triazine, *see* C-00275
1-(4-Amino-5-chloro-*o*-anisoyl)-4-piperonylpiperazine, *see* P-00112
3-Amino-2-chlorobenzoic acid, A-00223
3-Amino-4-chlorobenzoic acid, A-00224
▷2-Amino-5-chlorobenzoxazole, A-00225
4-Amino-1-(5-chloro-5-deoxy-β-D-arabinofuranosyl)-2(1*H*)-pyrimidinone, *see* C-00226
▷4-Amino-5-chloro-*N*-[2-(diethylamino)ethyl]-*o*-anisamide, *see* M-00327
▷4-Amino-5-chloro-*N*-[(2-diethylamino)ethyl]-2-methoxybenzamide, *see* M-00327
4-Amino-5-chloro-*N*-(1,2-diethyl-4-pyrazolidinyl)-2-methoxybenzamide, *see* D-00027
α-Amino-3-chloro-4,5-dihydro-5-isoxazoleacetic acid, *see* A-00405
4-Amino-3-chloro-α-[(dimethylethylamino)methyl]-5-(trifluoromethyl)benzene methanol, *see* M-00001
▷4-Amino-*N*-(5-chloro-2,6-dimethyl-4-pyrimidinyl)-benzenesulfonamide, *see* S-00188
4-Amino-5-chloro-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzenesulfonamide, *see* L-00091
4-Amino-5-chloro-*N*-[*N*-[3-(4-fluorophenoxy)propyl]-3-methoxy-4-piperidyl]-2-methoxybenzamide, *see* C-00396
7-[[Amino(3-chloro-4-hydroxyphenyl)acetyl]amino]-3-methyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00123
1-(4-Amino-5-chloro-2-methoxybenzoyl)-4-(1,3-benzodioxol-5-ylmethyl)piperazine, *see* P-00112
4-Amino-5-chloro-2-methoxy-*N*-[1-(phenylmethyl)-4-piperidinyl]benzamide, *see* C-00414
4-Amino-[1-[(4-chlorophenyl)methyl]-4-piperidinyl]-5-bromo-2-methoxybenzamide, *see* B-00274
4-Amino-*N*-[1-(3-chlorophenyl)-3-methyl-1*H*-pyrazol-5-yl]-benzenesulfonamide, *see* S-00189
2-Amino-5-(*p*-chlorophenyl)-2-oxazoline, *see* C-00263
2-Amino-3-(4-chlorophenyl)propanoic acid, A-00226
[3-Amino-2-(4-chlorophenyl)propyl]phosphonic acid, *see* P-00134
4-Amino-*N*-(6-chloropyrazinyl)benzenesulfonamide, *see* S-00190
4-Amino-*N*-(6-chloro-3-pyridazinyl)benzenesulfonamide, *see* S-00236
Aminochlorthenoxycycline, A-00227
p-Aminoclonidine, *see* A-00427
5-Amino-4-cyanoimidazole, *in* A-00275

4-Amino-2-cyanophenol, *in* A-00266
5-Amino-2-cyanophenol, *in* A-00264
5-Amino-1,3-cyclohexadiene-1-carboxylic acid, A-00228
4-Amino-*N*-[1-(3-cyclohexen-1-ylmethyl)-4-piperidyl]-2-ethoxy-5-nitrobenzamide, *see* C-00368
▷3-Amino-*N*-[(cyclohexylamino)carbonyl]-4-methylbenzenesulfonamide, *see* M-00146
▷(1-Aminocyclohexyl)penicillin, *see* C-00585
4-Amino-*N*-(1-cyclohexyl-3-pyrrolidinyl)-*N*-methylbenzamide, A-00229
▷1-Aminocyclopentanecarboxylic acid, A-00230
3-Aminocyclopentanecarboxylic acid, A-00231
2-Amino-1-cyclopentylpropane, A-00232
Aminodal, *see* A-00011
1-Amino-3-(decyloxy)-2-propanol, *in* A-00317
9-Amino-6-demethyl-6-deoxytetracycline, *see* A-00189
2′-Amino-2′-deoxyadenosine, A-00233
3′-Amino-3′-deoxyadenosine, A-00234
4-Amino-1-(2-deoxy-2-fluoroarabinofuranosyl)-5-iodo-2(1*H*)-pyrimidinone, *see* F-00101
▷4-*O*-(6-Amino-6-deoxy-α-D-glucopyranosyl)-6-*O*-(3-amino-3-deoxy-α-D-glucopyranosyl)-2-deoxystreptamine, *see* K-00004
O-3-Amino-3-deoxy-α-D-glucopyranosyl-(1→6)-*O*-[2,6-diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)]-2-deoxy-*N*′-[2-hydroxy-1-(hydroxymethyl)ethyl]-D-streptamine, *see* P-00502
2-Amino-2-deoxyglucose, A-00235
▷Aminodeoxykanamycin, JAN, *see* K-00005
2-Amino-9-(2-deoxy-*erythro*-pentofuranosyl)-1,9-dihydro-6*H*-purine-6-thione, A-00236
9-(2-Amino-2-deoxy-β-D-ribofuranosyl)adenine, *see* A-00233
9-(3-Amino-3-deoxy-β-D-ribofuranosyl)adenine, *see* A-00234
4-Amino-1,3-diazabicyclo[3.1.0]hex-3-en-2-one, A-00237
▷2-Amino-6-diazo-5-oxohexanoic acid, A-00238
2-Amino-3,5-dibromo-*N*-cyclohexyl-*N*-methylbenzenemethanamine, *see* B-00289
2-Amino-4,6-dibromophenol, A-00239
▷4-[[(2-Amino-3,5-dibromophenyl)methyl]amino]cyclohexanol, *see* A-00170
2-Amino-4-(dichloroarsino)phenol, *see* A-00270
4-Amino-3,5-dichloro-α-[[(1,1-dimethylethyl)amino]methyl]-benzenemethanol, *see* C-00419
▷3-Amino-1-(3,4-dichloro-α-methylbenzyl)-2-pyrazolin-5-one, *see* M-00473
1-(4-Amino-3,5-dichlorophenyl)-2-*tert*-butylaminoethanol, *see* C-00419
▷5-Amino-2-[1-(3,4-dichlorophenyl)ethyl]-2,4-dihydro-3*H*-pyrazol-3-one, *see* M-00473
2-Amino-2,6-dideoxyglucose, A-00240
2-Amino-4′-(diethylamino)-*o*-benzotoluidide, *see* A-00471
▷4-Amino-*N*-[2-(diethylamino)ethyl]benzamide, *see* P-00446
2-Amino-*N*-[4-(diethylamino)-2-methylphenyl]benzamide, *see* A-00471
4-Amino-*N*-(4,6-diethyl-1,3,5-triazin-2-yl)benzenesulfonamide, *see* S-00210
10-Amino-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepine, A-00241
3-Amino-9,13*b*-dihydro-1*H*-dibenz[*c*,*f*]imidazo[1,5-*a*]azepine, A-00242
2-Amino-4,5-dihydro-4,4-dimethyloxazole, A-00243
4-Amino-*N*-(2,3-dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)benzamide, *see* A-00211
▷4-Amino-1,2-dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, A-00244
1-(7-Amino-5,8-dihydro-5,8-dioxo-2-quinolinyl)-4-methyl-9*H*-pyrido[3,4-*b*]indole-3-carboxylic acid, *see* L-00018
▷2-Amino-1,9-dihydro-9-[(2-hydroxyethoxy)methyl]-6*H*-purin-6-one, *see* A-00060
2-Amino-1,9-dihydro-9-[4-hydroxy-3-(hydroxymethyl)butyl]-6*H*-purin-6-one, *see* H-00138
▷2-Amino-1,9-dihydro-9-[[2-hydroxy-1-(hydroxymethyl)ethoxy]-methyl]-6*H*-purin-6-one, *see* D-00350
▷6-Amino-1,5-dihydro-4*H*-imidazo[4,5-*c*]pyridin-4-one, *see* D-00115
3-Amino-3,4-dihydro-2-methyl-2*H*-1-benzopyran, A-00245
3-Amino-1,5-dihydro-5-methyl-1-β-D-ribofuranosyl-1,4,5,6,8-pentaazaacenaphthylene, *see* T-00445
2-Amino-1,2-dihydronaphthalene, *see* D-00295
N-[4-[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]-amino]benzoyl]aspartic acid, *see* P-00553
▷*N*-[4-[[(2-Amino-1,4-dihydro-4-oxo-6-pteridinyl)methyl]-amino]benzoyl]glutamic acid, *see* P-00554
2-Amino-4,7-dihydro-4-oxo-7-β-D-ribofuranosyl-1*H*-pyrrolo-[2,3-*d*]pyrimidine-5-carboxylic acid, *see* C-00003
▷2-Amino-4,5-dihydro-5-phenyloxazole, A-00246
2-Amino-1,5-dihydro-4,6-pteridinedione, *see* X-00006
▷2-Amino-1,7-dihydro-6*H*-purine-6-thione, *see* T-00202
▷5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-one, A-00247
2-Amino-9-(3,4-dihydroxybutyl)-1,9-dihydro-6*H*-purin-6-one, *see* B-00336
4-Amino-1-[2,3-dihydroxy-4-(hydroxymethyl)cyclopentyl]-2(1*H*)-pyrimidinone, *see* C-00054
α-Amino-3,4-dihydroxy-α-methylhydrocinnamic acid, *see* M-00249
2-Amino-1-(3,4-dihydroxyphenyl)ethanol, *see* N-00208
2-Amino-3-(3,4-dihydroxyphenyl)-2-methylpropanoic acid, *see* M-00249
2-Amino-3-(2,5-dihydroxyphenyl)propanoic acid, *see* D-00344
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-00248
2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol, A-00249
2-Amino-9-[(2,3-dihydroxypropoxy)methyl]-1,9-dihydro-6*H*-purin-6-one, *see* D-00351
2-Amino-6-(1,2-dihydroxypropyl)-3-methylpterin-4-one, *in* B-00172
2-Amino-6-(1,2-dihydroxypropyl)-4(1*H*)-pteridinone, *see* B-00172
6-Amino-α,β-dihydroxy-9*H*-purine-9-butanoic acid, *see* E-00110
2-Amino-1-(3,4-dimethoxyphenyl)-4-ethyl-6,7-dimethoxy-3-methylisoquinolinium hydroxide inner salt, *see* T-00341
2-Amino-*N*-[2-(2,5-dimethoxyphenyl)-2-hydroxyethyl]-acetamide, *see* M-00369
5-[(4-Amino-3,5-dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, *see* A-00073
▷2-Amino-1-(2,5-dimethoxyphenyl)propanol, *see* M-00194
▷4-Amino-*N*-(2,6-dimethoxy-4-pyrimidinyl)benzenesulfonamide, *see* S-00238
▷4-Amino-*N*-(4,6-dimethoxy-2-pyrimidinyl)benzenesulfonamide, *see* S-00247
▷4-Amino-*N*-(5,6-dimethoxy-4-pyrimidinyl)benzenesulfonamide, *see* S-00193
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-butyrylhexahydro-1*H*-1,4-diazepine, *see* B-00361
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[(2,3-dihydro-1,4-benzodioxin-2-yl)carbonyl]piperazine, *see* D-00592
▷1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-furanylcarbonyl)piperazine, *see* P-00409
▷1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-furoyl)-piperazine, *see* P-00409
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)hexahydro-4-(1-oxobutyl)-1*H*-1,4-diazepine, *see* B-00361
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(3-hydroxy-1-oxobutyl)piperazine, *see* N-00064
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-methoxy-1-oxopropyl)piperazine, *see* M-00156
N-[3-[(4-Amino-6,7-dimethoxy-2-quinazolinyl)methylamino]-propyl]tetrahydro-2-furancarboxamide, *see* A-00112
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[[5-(methylthio)-1,3,4-oxadiazol-2-yl]carbonyl]piperazine, *see* T-00299
1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-[(tetrahydro-2-furanyl)carbonyl]piperazine, *see* T-00080
4-Amino-6,7-dimethoxyquinoline, A-00250
1-Amino-3,5-dimethyladamantane, *see* D-00402
5-Amino-2-[2-(dimethylamino)ethyl]-1*H*-benz[de]-isoquinoline-1,3(2*H*)-dione, *see* A-00356
3-Amino-7-dimethylamino-2-methylphenazathionium, *see* T-00359
3-Amino-7-(dimethylamino)-2-methylphenothiazin-5-ium, *see* T-00359
▷4-Amino-2′,3-dimethylazobenzene, A-00251

▷4-Amino-*N*-[5-(1,1-dimethylethyl)-1,3,4-thiadiazol-2-yl]-benzenesulfonamide, *see* G-00062
▷4-Amino-*N*-(3,4-dimethyl-5-isoxazolyl)benzenesulfonamide, *see* S-00215
4-Amino-*N*-(4,5-dimethyl-3-isoxazolyl)benzenesulfonamide, *see* S-00212
2-Amino-4,4-dimethyl-2-oxazoline, *see* A-00243
▷4-Amino-*N*-(4,5-dimethyl-2-oxazolyl)benzenesulfonamide, *see* S-00248
4-Amino-2-(4,4-dimethyl-2-oxo-1-imidazolidinyl)-*N*-[3-(trifluoromethyl)phenyl]-5-pyrimidinecarboxamide, *see* I-00024
2-Amino-*N*-(2,6-dimethylphenyl)propanamide, *see* T-00332
▷4-Amino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one, *see* A-00244
▷4-Amino-*N*-(2,6-dimethyl-2-pyrimidinyl)benzenesulfonamide, *see* S-00196
▷4-Amino-*N*-(2,6-dimethyl-4-pyrimidinyl)benzenesulfonamide, *see* S-00254
4-Amino-4-(dimethylseleno)butanoic acid, *in* S-00038
2-Amino-3-[(diphenoxyphosphinyl)oxy]propanoic acid, *in* P-00220
2-Amino-4,4-diphenylbutane, *see* D-00489
2-Amino-1,1-diphenyl-1-heptanol, *see* H-00060
4-Amino-1-dodecyl-2-methylquinolinium, *see* L-00017
4-Amino-1-dodecylquinaldinium, *see* L-00017
▷2-Aminoethanesulfonic acid, *see* T-00030
▷2-Aminoethanethiol, A-00252
▷2-Aminoethanol, A-00253
2-Aminoethanol nitrate, A-00254
2-Amino-6-[4-[(ethoxycarbonyl)amino]phenyl]-5-methylphenanthridinium, *see* C-00049
2-[(2-Aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl-3,5-pyridinedicarboxylic acid 3-ethyl 5-methyl ester, *see* A-00351
4-Amino-*N*-(4-ethoxy-1,2,5-thiadiazol-3-yl)benzenesulfonamide, *see* S-00213
▷4-(2-Aminoethyl)-1,2-benzenediol, *see* D-00579
α-(1-Aminoethyl)benzenemethanol, *see* A-00308
▷5-(2-Aminoethyl)-1,2,4-benzenetriol, A-00255
3-(2-Aminoethyl)-1-benzyl-5-methoxy-2-methylindole, *see* B-00036
4-Amino-*N*-(1-ethyl-1,2-dihydro-2-oxo-4-pyrimidinyl)-benzenesulfonamide, *see* S-00191
α-(1-Aminoethyl)-3,4-dihydroxybenzyl alcohol, *see* A-00249
▷α-(1-Aminoethyl)-2,5-dimethoxybenzenemethanol, *see* M-00194
▷α-(1-Aminoethyl)-2,5-dimethoxybenzyl alcohol, *see* M-00194
10-(2-Aminoethyl)estr-5-ene-3,17-dione cyclic bis(1,2-ethanediyl acetal), *see* E-00013
▷*N*-(2-Aminoethyl)-1,2-ethanediamine, *see* D-00245
α-(1-Aminoethyl)-3-hydroxybenzenemethanol, *see* A-00274
α-(1-Aminoethyl)-*m*-hydroxybenzyl alcohol, *see* A-00274
▷3-(2-Aminoethyl)-5-hydroxyindole, *see* H-00218
▷4-(2-Aminoethyl)-1*H*-imidazole, *see* H-00077
▷3-(2-Aminoethyl)indole, *see* T-00566
▷3-(2-Aminoethyl)-1*H*-indol-5-ol, *see* H-00218
[3-(2-Aminoethyl)-1*H*-indol-5-yl]ethanone, *see* A-00027
3-(2-Aminoethyl)indol-5-yl methyl ketone, *see* A-00027
▷2-Aminoethyl mercaptan, *see* A-00252
5-(2-Aminoethyl)-2-methoxyphenol, *in* D-00579
3-(2-Aminoethyl)-1-[(4-methoxyphenyl)methyl]-2-methylindol-5-ol, *see* H-00105
Aminoethyl nitrate, *see* A-00254
2-(2-Aminoethyl)-1,2,4-oxadiazolidine-3,5-dione, *see* Q-00038
▷6-Amino-3-ethyl-1-(2-propenyl)-2,4-(1*H*,3*H*)-pyrimidinedione, *see* A-00291
3-(2-Aminoethyl)pyrazole, A-00256
α-(1-Aminoethyl)pyrocatechuyl alcohol, *see* A-00249
4-Amino-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-*o*-anisamide, *see* A-00347
4-Amino-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, *see* A-00347
▷Aminoethylsulfonic acid, *see* T-00030
4-Amino-*N*-(5-ethyl-1,3,4-thiadiazol-2-yl)benzenesulfonamide, *see* S-00239
▷3-Amino-α-ethyl-2,4,6-triiodobenzenepropanoic acid, *see* I-00125
▷3-Amino-α-ethyl-2,4,6-triiodohydrocinnamic acid, *see* I-00125
2-Amino-3-fluorobutanedioic acid, A-00257
▷6-Amino-2-(fluoromethyl)-3-(2-methylphenyl)-4(3*H*)-quinazolinone, *see* A-00081
▷6-Amino-2-(fluoromethyl)-3-*o*-tolyl-4(3*H*)-quinazolinone, *see* A-00081
2-Amino-2-fluoropropanoic acid, A-00258
▷4-Amino-5-fluoro-2(1*H*)-pyrimidinone, *see* F-00183
2-Amino-3-fluorosuccinic acid, *see* A-00257
▷4-Aminofolic acid, *see* A-00324
▷Aminoform, *see* H-00057
α-Aminoglutaric acid lactam, *see* O-00140
▷Aminoglutethimide, *see* A-00305
5-Amino-4-glyoxalinecarboxylic acid, *see* A-00275
1-Amino-19-guanidino-11,15-dihydroxy-4,9,12-triazanonadecane-10,13-dione, *see* S-00112
2-Amino-5-guanidinovaleric acid, *see* A-00441
6′-Amino-α,α,α,2,2,3,3-heptafluoro-5′-nitro-*m*-propionotoluidide, *see* N-00114
▷2-Aminoheptane, *see* H-00030
▷1-Aminohexadecane, *see* H-00042
N-[4-[[2-(2-Amino-1,4,5,6,7,8-hexahydro-5-methyl-4-oxo-6-pteridinyl)ethyl]amino]benzoyl] glutamic acid, *see* K-00021
▷6-Aminohexanoic acid, A-00259
4-Amino-5-hexenoic acid, A-00260
α-(1-Aminohexyl)benzhydrol, *see* H-00060
α-(1-Aminohexyl)-α-phenylbenzenemethanol, *see* H-00060
Aminohippurate sodium, USAN, *in* A-00217
Aminohippuric acid, *see* A-00217
3-Amino-2-hydroxyandrostan-17-one, A-00261
▷1-Amino-3-hydroxybenzene, *see* A-00297
α-Amino-4-hydroxybenzeneacetic acid, *see* A-00269
▷3-Amino-4-hydroxybenzenearsonic acid, *see* A-00271
2-Amino-5-hydroxybenzoic acid, A-00262
3-Amino-4-hydroxybenzoic acid, A-00263
▷4-Amino-2-hydroxybenzoic acid, A-00264
4-Amino-3-hydroxybenzoic acid, A-00265
▷5-Amino-2-hydroxybenzoic acid, A-00266
▷4-Amino-2-hydroxybenzoic acid 2-(diethylamino)ethyl ester, *see* H-00206
4-Amino-2-hydroxybenzonitrile, *in* A-00264
4-(2-Amino-1-hydroxybutyl)-1,2-benzenediol, *see* E-00212
1-*N*-[(*S*)-4-Amino-2-hydroxybutyl]kanamycin *A*, *see* B-00404
▷1-*N*-(4-Amino-2-hydroxybutyryl)kanamycin, *see* A-00196
2-Amino-4-hydroxy-6-(1,2-dihydroxypropyl)pterin, *see* B-00172
2-Amino-3-(4-hydroxy-2,5-diiodophenyl)propanoic acid, *see* D-00365
▷β-Amino-α-hydroxyethylbenzene, *see* A-00304
4-(2-Amino-1-hydroxyethyl)-1,2-benzenediol, *see* N-00208
4-(β-Amino-α-hydroxyethyl)catechol, *see* N-00208
▷*p*-(β-Amino-α-hydroxyethyl)phenol, *see* O-00022
α-Amino-3-hydroxy-4-(hydroxymethyl)benzene acetic acid, *see* F-00243
2-Amino-5-[1-hydroxy-2-[(1-methylethyl)amino]ethyl]-benzonitrile, *see* C-00349
4-Amino-5-(hydroxymethyl)-2-methylpyrimidine, A-00267
6-(2-Amino-3-hydroxy-4-methyl-6-octenoic acid)cyclosporin *A*, *in* C-00638
6-[(2*S*,3*R*,4*R*,6*E*)-2-Amino-3-hydroxy-4-methyl-6-octenoic acid]-7-L-threoninecyclosporin *A*, *in* C-00638
▷2-Amino-2-hydroxymethyl-1,3-propanediol, A-00268
2-Amino-3-(*N*-hydroxy-*N*-nitrosoamino)propionic acid, *see* A-00093
▷*N*-(3-Amino-2-hydroxy-1-oxo-4-phenylbutyl)leucine, *see* B-00138
2-Amino-3-[(hydroxyphenoxyphosphinyl)oxy]propanoic acid, *in* P-00220
▷6-(α-Amino-4-hydroxyphenylacetamido)penicillanic acid, *see* A-00364
2-Amino-2-(4-hydroxyphenyl)acetic acid, A-00269
▷6-[[Amino(4-hydroxyphenyl)acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* A-00364

7-[[Amino(4-hydroxyphenyl)acetyl]amino]-8-oxo-3-(1-propenyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00146

(3-Amino-4-hydroxyphenyl)arsinous dichloride, A-00270

▷(3-Amino-4-hydroxyphenyl)arsonic acid, A-00271

(3-Amino-4-hydroxyphenyl)dichloroarsine, *see* A-00270

▷2-Amino-1-(3-hydroxyphenyl)ethanol, A-00272

▷2-Amino-1-(4-hydroxyphenyl)ethanol, *see* O-00022

2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid, A-00273

2-Amino-1-(3-hydroxyphenyl)propane, *see* A-00321

2-Amino-1-(3-hydroxyphenyl)-1-propanol, A-00274

3-Amino-1-hydroxypropane-1,1-diphosphonic acid, *see* P-00009

2-Amino-3-hydroxypropanoyl 3-phosphate, *see* P-00220

4-(2-Amino-1-hydroxypropyl)-1,2-benzenediol, *see* A-00249

(3-Amino-1-hydroxypropylidene)bis(phosphonic acid), *see* P-00009

2-Amino-8-hydroxytetralin, *see* A-00335

4-Amino-1*H*-imidazole-5-carboxylic acid, *see* A-00275

5-Amino-1*H*-imidazole-4-carboxylic acid, A-00275

4-(Aminoiminomethyl)amino]benzoic acid 6-(aminoiminoethyl)-2-naphthalenyl ester, *see* N-00009

4-[(Aminoiminomethyl)amino]butanoic acid, *see* G-00110

3-[[[1-[[[4-[(Aminoiminomethyl)amino]butyl]amino]carbonyl]-3-methylbutyl]amino]carbonyl]oxiranecarboxylic acid, *see* E-00125

▷N^1-[4-[(Aminoiminomethyl)amino]butyl]bleomycinamide, *see* B-00246

4-[(Aminoiminomethyl)amino]butyl 4-hydroxy-3,5-dimethoxybenzoate, *see* L-00025

2-[(Aminoiminomethyl)amino]ethanesulfonic acid, *see* G-00112

2-[[[4-[(Aminoiminomethyl)amino]methyl]cyclohexyl]carbonyl]oxybenzoic acid phenylmethyl ester, *see* B-00048

1-[5-[(Aminoiminomethyl)amino]-1-oxo-2-[[(1,2,3,4-tetrahydro-3-methyl-8-quinolinyl)sulfonyl]amino]pentyl]-4-methyl-2-piperidinecarboxylic acid, *see* A-00440

▷3-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]thio]-*N*-(aminosulfonyl)propanimidamide, *see* F-00013

N-[[[2-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]-thio]ethyl]amino]methylene]-4-bromobenzenesulfonamide, *see* E-00002

▷*N*-[2-[[[2-[(Aminoiminomethyl)amino]-4-thiazolyl]methyl]-thio]ethyl]-*N'*-cyano-*N''*-methylguanidine, *see* T-00305

N-(Aminoiminomethyl)-*N'*-(3-chloro-4-cyanophenyl)urea, *see* C-00464

N-(Aminoiminomethyl)-2,6-dichlorobenzeneacetamide, *see* G-00103

N-(Aminoiminomethyl)-2,5-dihydro-2,5-dimethyl-1*H*-pyrrole-1-acetamide, *see* R-00075

N-(Aminoiminomethyl)glycine, *see* G-00109

▷2-[4-[(Aminoiminomethyl)hydrazono]-2,5-cyclohexadien-1-ylidenehydrazinecarbothiamide, *see* A-00166

N-(Aminoiminomethyl)-4-morpholinecarboximidamide, *see* M-00446

▷4-[2-[4-(Aminoiminomethyl)phenyl]ethenyl]-3-hydroxybenzenecarboximidamide, *see* H-00213

2-Amino-3-(3-indolyl)propanoic acid, *see* T-00567

2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, A-00276

▷2-Aminoisobutanol, *see* A-00289

2-Aminoisocaproic acid, *see* L-00029

▷Aminoisometradine, *see* A-00346

2-Amino-7-isopropyl-5-oxo-5*H*-[1]benzopyrano[2,3-*b*]-pyridine-3-carboxylic acid, *see* A-00361

2-Amino-1-(isopropylsulfonyl)-6-(1-phenylpropenyl)-benzimidazole, *see* E-00070

4-Amino-3-isoxazolidinone, A-00277

2-Amino-3-mercapto-3-methylbutanoic acid, *see* P-00064

2-Amino-3-mercaptopropanoic acid, *see* C-00654

3-Amino-2-mercaptopropanoic acid, A-00278

2-Amino-5-methoxybenzoic acid, *in* A-00262

▷3-Amino-4-methoxybenzoic acid, *in* A-00263

4-Amino-2-methoxybenzoic acid, *in* A-00264

5-Amino-2-methoxybenzoic acid, *in* A-00266

3-Amino-1-[4-(2-methoxyethyl)phenoxy]-3-methyl-2-butanol, *see* A-00445

▷3′-(α-Amino-*p*-methoxyhydrocinnamido)-3′-deoxy-*N*,*N*-dimethyladenosine, *see* P-00557

4-Amino-2-methoxy-5-[(methylamino)sulfonyl]-*N*-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]benzamide, *see* A-00149

▷4-Amino-*N*-(6-methoxy-2-methyl-4-pyrimidinyl)-benzenesulfonamide, *see* S-00197

4-Amino-2-methoxy-5-nitro-*N*-[1-[(tetrahydro-2-furanyl)-methyl]-4-piperidinyl]benzamide, *see* D-00073

▷3′-[[2-Amino-3-(4-methoxyphenyl)-1-oxopropyl]amino]-3′-deoxy-*N*,*N*-dimethyladenosine, *see* P-00557

4-Amino-6-methoxy-1-phenylpyridazinium(1+), A-00279

▷4-Amino-*N*-(3-methoxypyrazinyl)benzenesulfonamide, *see* S-00198

▷4-Amino-*N*-(6-methoxy-3-pyridazinyl)benzenesulfonamide, *see* S-00246

▷4-Amino-*N*-(5-methoxy-2-pyrimidinyl)benzenesulfonamide, *see* S-00245

▷4-Amino-*N*-(6-methoxy-4-pyrimidinyl)benzenesulfonamide, *see* S-00200

4-Amino-*N*-(4-methoxy-1,2,5-thiadiazol-3-yl)-benzenesulfonamide, *see* S-00199

▷α-Aminomethylbenzenemethanol, *see* A-00304

▷β-(Aminomethyl)benzenepropanoic acid, *see* A-00303

4-(Aminomethyl)benzenesulfonamide, *see* M-00002

▷α-(Aminomethyl)benzyl alcohol, *see* A-00304

▷8-(4-Amino-1-methylbutylamino)-6-methoxyquinoline, *see* P-00434

▷β-(Aminomethyl)-4-chlorobenzenepropanoic acid, *see* B-00003

▷β-(Aminomethyl)-*p*-chlorohydrocinnamic acid, *see* B-00003

3-Amino-2-methylchroman, *see* A-00245

1-(Aminomethyl)cyclohexaneacetic acid, A-00280

4-(Aminomethyl)cyclohexanecarboxylic acid, A-00281

p-[[(4-Aminomethyl)cyclohexyl]carbonyl]hydrocinnamic acid, *see* R-00096

4-[[[4-(Aminomethyl)cyclohexyl]carbonyl]oxy]-benzenepropanoic acid, *see* C-00187

3-[*p*-(4-Aminomethylcyclohexylcarbonyl)phenyl]propanoic acid, *see* R-00096

2-(Aminomethyl)-*N*,*N*-diethyl-1-phenyl-cyclopropanecarboxamide, *see* M-00376

α-(Aminomethyl)-3,4-dihydroxybenzyl alcohol, *see* N-00208

2-(Aminomethyl)-4-(1,1-dimethylethyl)-6-(methylsulfonyl)-phenol, *see* L-00021

α-Amino-2-methylenecyclopropanepropanoic acid, *see* H-00224

2-Amino-3-(methylenecyclopropyl)propanoic acid, *see* H-00224

2-(Aminomethylene)-2,3-dihydro-1*H*-inden-1-one, *see* A-00282

2-(Aminomethylene)-1-indanone, A-00282

4-Amino-*N*-[5-(1-methylethyl)-1,3,4-thiadiazol-2-yl]-benzenesulfonamide, *see* G-00078

▷4-Amino-N^{10}-methylfolic acid, *see* M-00192

▷2-(Aminomethyl)furan, *see* F-00282

▷2-Amino-6-methylheptane, *see* M-00257

6-Amino-2-methyl-2-heptanol, *see* H-00029

6-Amino-2-methyl-2-heptene, *see* M-00256

▷β-(Aminomethyl)hydrocinnamic acid, *see* A-00303

▷α-Aminomethyl-3-hydroxybenzenemethanol, *see* A-00272

▷α-(Aminomethyl)-4-hydroxybenzenemethanol, *see* O-00022

▷α-(Aminomethyl)-*m*-hydroxybenzyl alcohol, *see* A-00272

▷α-(Aminomethyl)-*p*-hydroxybenzyl alcohol, *see* O-00022

4-Aminomethyl-3-hydroxy-5-hydroxymethyl-2-methylpyridine, *see* P-00580

4-Aminomethyl-5-hydroxy-6-methyl-3-(dihydrogen phosphate)-3-pyridinemethanol, *see* P-00581

2-Aminomethyl-2′-hydroxymethyldiphenylsulfide, *see* B-00174

4-Aminomethyl-5-hydroxy-6-methyl-3-pyridinemethanol, *see* P-00580

4-Amino-*N*-(3-methyl-5-isothiazolyl)benzenesulfonamide, *see* S-00255

▷5-(Aminomethyl)-3(2*H*)-isoxazolone, A-00283

▷4-Amino-*N*-(5-methyl-3-isoxazolyl)benzenesulfonamide, *see* S-00244
α-(Aminomethyl)-4-methoxybenzenemethanol, *in* O-00022
α-(Aminomethyl)-5-methoxy-1*H*-indole-3-acetic acid methyl ester, *see* I-00070
▷6-Amino-3-methyl-1-(2-methylallyl)uracil, *see* A-00346
▷6-Amino-3-methyl-1-(2-methyl-2-propenyl)-2,4(1*H*,3*H*)-pyrimidinedione, *see* A-00346
4-Amino-2-methyl-1-[6-[(2-methyl-4-quinolinyl)amino]hexyl]-quinolinium(1+), A-00284
▷4-Amino-2-methyl-1-naphthalenol, *see* A-00285
▷4-Amino-2-methyl-1-naphthol, A-00285
▷2-Amino-6-[(1-methyl-4-nitroimidazol-5-yl)thio]purine, *see* T-00178
4-Amino-2-methyl-*N'*-(5-nitro-2-thiazolyl)-5-pyrimidinecarboxamide, A-00286
2-Amino-4-methylpentanoic acid, *see* L-00029
▷2-Amino-2-methyl-3-phenylbutane, *see* M-00288
▷(Aminomethyl)phenylcarbinol, *see* A-00304
1-(3-Amino-4-methylphenyl)-1-hexanone *O*-(2-aminoethyl)-oxime, *see* C-00032
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287
2-Amino-2-methyl-3-phenylpropane, *see* P-00193
4-Amino-*N*-(3-methyl-1-phenyl-1*H*-pyrazol-5-yl)-benzenesulfonamide, *see* S-00207
4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, A-00288
1-(4-Amino-2-methyl-5-phenyl-1*H*-pyrrol-3-yl)-2-methyl-1-propanone, *see* A-00287
2-[[2-(Aminomethyl)phenyl]thio]benzenemethanol, *see* B-00174
▷2-Amino-2-methyl-1-propanol, A-00289
4-Amino-α-[[(1-methylpropyl)amino]methyl]benzenemethanol, *see* A-00348
3-(Aminomethyl)pyridine, A-00290
N-[(2-Amino-6-methyl-3-pyridinyl)methyl]-3,4,5-trimethoxy-benzamide, *see* T-00496
4-Amino-2-methyl-5-pyrimidinemethanol, *see* A-00267
▷4-Amino-*N*-(4-methyl-2-pyrimidinyl)benzenesulfonamide, *see* S-00242
4-Amino-*N*-(5-methyl-2-pyrimidinyl)benzenesulfonamide, *see* S-00206
N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-[2-[(benzoylvinyl)thio]-4-hydroxy-1-methyl-1-butenyl]-formamide, *see* V-00044
3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-chloroethyl)-4-methylthiazolium(1+), *see* B-00025
N-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-(2-chloroethyl)-1-nitrosourea, *see* N-00151
S-[2-[[(4-Amino-2-methyl-5-pyrimidinyl)methyl]formylamino]-1-[(2-benzoxyloxyl)ethyl-1-propenyl]benzenecarbothioate, *see* B-00067
4-[[[(4-Amino-2-methyl-5-pyrimidinyl)methyl]formyl]amino]-3-[(2-furanylcarbonyl)thio]-3-pentenyl acetyloxyacetate, *see* A-00010
▷*S*-[2-[[(4-Amino-2-methyl-5-pyrimidinyl)methyl]formylamino]-1-[2-(phosphonoxy)ethyl]-1-propenyl]benzenecarbothioate, *see* B-00052
▷3-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-5-(2-hydroxyethyl)-4-methylthiazolium, *see* T-00174
N-[(Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-(4-hydroxy-2-mercapto-1-methyl-1-butenyl)formamide *O*,*S*-dibenzoate, *see* B-00067
S-*N*-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-(4-hydroxy-2-mercapto-1-methyl-1-butenyl)formamide *O*-acetate thioacetate, *see* A-00020
▷*N*-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-[4-hydroxy-1-methyl-2-(propyldithio)-1-butenyl]formamide, *see* T-00177
▷*N*-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-[4-hydroxy-1-methyl-2-[(tetrahydrofurfuryl)dithio]-1-butenyl]formamide, *see* F-00299
▷*N*-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-*N*-[1-(2-oxo-1,3-oxathian-4-ylidene)ethyl]formamide, *see* C-00640
▷3-[(4-Amino-2-methyl-5-pyrimidyl)methyl]-4-methyl-5-(4,6,6-trihydroxy-3,5-dioxa-4,6-diphosphahex-1-yl)-thiazolium chloride *P*,*P'*-dioxide, *see* T-00175
4-Amino-1-[6-[(2-methyl-4-quinolyl)amino]hexyl]quinaldinium, *see* A-00284
▷2-Amino-4-(methylseleno)butanoic acid, *see* S-00038
▷2-Amino-4-(methylselenyl)butyric acid, *see* S-00038
▷4-Amino-*N*-(5-methyl-1,3,4-thiadiazol-2-yl)benzenesulfonamide, *see* S-00243
[4-[[[2-[(5-Amino-4-methyl-4*H*-1,2,4,6-thiatriazin-3-yl)-amino]-ethyl]thio]methyl]-2-thiazolyl]guanidine *S*,*S*-dioxide, *see* T-00576
2-Amino-4-(methylthio)butanoic acid, *see* M-00183
1-[*m*-[[(3-Amino-1-methyl-1*H*-1,2,4-triazol-5-yl)amino]-propoxy]benzyl]piperidine, *see* L-00007
3-Amino-1-methyl-1*H*-1,2,4-triazol-5-yl-[3-(α-piperidino-2-tolyloxy)propyl]amine, *see* L-00007
▷Aminometradine, A-00291
▷Aminometramide, *see* A-00291
4-Amino-1-naphthalenecarboxylic acid, *see* A-00292
4-Amino-1-naphthoic acid, A-00292
2-Aminonicotinic acid, *see* A-00326
▷2-Amino-5-nitrodiphenyl ether methanesulfonamide, *see* N-00146
1-Amino-2-nitro-1,2-diphenylethylene, A-00293
3-Amino-6-[2-(5-nitro-2-furyl)vinyl]pyridazine, *see* N-00129
▷3-Amino-6-[2-(5-nitro-2-furyl)vinyl]-*as*-triazine, *see* F-00280
α-Amino-β-nitrostilbene, *see* A-00293
▷2-Amino-5-nitrothiazole, A-00294
N-[2-Amino-3-nitro-5-(trifluoromethyl)phenyl]-2,2,3,3-tetrafluoropropanamide, *see* N-00114
▷1-Aminooctadecane, *see* O-00012
4-Amino-*N*-octadecanoylbenzenesulfonamide, *see* S-00142
1-Amino-9-octadecene, *see* O-00011
13-Amino-5,6,7,8,9,10,11,12-octahydro-5-methyl-5,11-methanobenzocyclodecen-3-ol, *see* D-00116
6-[*S*-(2-Aminooctenoic acid)]cyclosporin *A*, *in* C-00638
▷Aminooxoacetic acid [(5-nitro-2-furanyl)methylene]hydrazide, *see* N-00116
4-Amino-4-oxo-2-butenoic acid, *in* F-00274
1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidium bromide, *in* F-00070
▷4-[(2-Amino-2-oxoethyl)amino]phenylarsonic acid, *see* C-00041
2-Amino-2-oxoethyl 2-[[3-(trifluoromethyl)phenyl]amino]-benzoate, *see* C-00535
α-Amino-5-oxo-7-oxabicyclo[4.1.0]heptane-2-propanoic acid, *see* A-00412
[1-[(2-Amino-1-oxopropyl)amino]ethyl]phosphonic acid, *see* A-00091
1-(3-Amino-3-oxopropyl)-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* C-00092
▷α-(Aminooxy)-6-bromo-*m*-cresol, *see* B-00275
▷5-[(Aminooxy)methyl]-2-bromophenol, *see* B-00275
▷Aminopan, *see* S-00098
▷6-Aminopenicillanic acid, A-00295
▷Aminopentamide, A-00296
▷8-[(4-Aminopentyl)amino]-6-methoxyquinoline, *see* Q-00029
▷Aminophenazone, *see* A-00327
Aminophenazone cyclamate, *in* A-00327
2-(*p*-Aminophenethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-1-methylisoquinoline, *see* V-00017
▷*p*-Aminophenetole, *see* E-00161
▷3-Aminophenol, A-00297
▷4-Aminophenol, A-00298
▷2-Aminophenol-4-arsonic acid, *see* A-00271
▷*p*-Aminophenol ethyl ether, *see* E-00161
▷*p*-Aminophenol methyl ether, *see* M-00195
2-[5-(4-Aminophenoxy)pentyl]-1*H*-isoindole-1,3(2*H*)-dione, *see* A-00367
N-[5-(*p*-Aminophenoxy)pentyl]phthalimide, *see* A-00367
▷Aminophenurobutane, *see* C-00070
▷7-(D-α-Aminophenylacetamido)cephalosporanic acid, *see* C-00174
▷6-(α-Aminophenylacetamido)penicillanic acid, *see* A-00369
▷(4-Aminophenyl)acetic acid, A-00299
2-Amino-2-phenylacetic acid, A-00300

▷*p*-Aminophenylacetic acid, *see* A-00299
7-[(Aminophenylacetyl)amino]-3-chloro-8-oxo-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* L-00090
▷6-[(Aminophenylacetyl)amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptene-2-carboxylic acid, *see* A-00369
▷*p*-Aminophenylarsinic acid, *see* A-00302
▷3-Aminophenylarsonic acid, A-00301
▷4-Aminophenylarsonic acid, A-00302
▷*p*-Aminophenylarsonic acid, *see* A-00302
4-Amino-*N*-phenylbenzenesulfonamide, *see* S-00202
▷4-Amino-3-phenylbutanoic acid, A-00303
1-Amino-1-phenylcyclohexane, *see* P-00182
▷(4-Aminophenyl)dihydroxystibine oxide, *see* A-00212
▷2-Amino-1-phenylethanol, A-00304
▷2-(*p*-Aminophenyl)-2-ethylglutarimide, *see* A-00305
▷1-[2-(4-Aminophenyl)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* A-00390
▷3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, A-00305
1-Amino-3-phenylindane, *see* P-00191
▷2-Amino-5-phenyl-2-oxazoline, *see* A-00246
▷2-Amino-5-phenyl-4(5*H*)-oxazolone, A-00306
4-Amino-5-phenyl-1-pentene, A-00307
▷2-Amino-1-phenylpropane, *see* P-00202
2-Amino-1-phenyl-1-propanol, A-00308
2-Amino-1-phenyl-1-propanone, A-00309
▷4-Amino-*N*-(1-phenyl-1*H*-pyrazol-5-yl)benzenesulfonamide, *see* S-00250
▷1-(3-Aminophenyl)-2(1*H*)-pyridinone, A-00310
▷*p*-Aminophenylstibinic acid, *see* A-00212
▷*p*-Aminophenylstibonic acid, *see* A-00212
▷6-(*p*-Aminophenylsulfonamido)-2,4-dimethylpyrimidine, *see* S-00254
3-[(4-Aminophenyl)sulfonyl]-3-azabicyclo[3.2.2]nonane, *in* A-00491
▷*N*-[(4-Aminophenyl)sulfonyl]benzamide, *in* A-00213
N-[(4-Aminophenyl)sulfonyl]-*N*-(3,4-dimethyl-5-isoxazolyl)-acetamide, *see* S-00216
3-[(4-Aminophenyl)sulfonyl]-1,3-diphenyl-1-propanone, A-00311
N-[(4-Aminophenyl)sulfonyl]-*N*-(6-methoxy-3-pyridazinyl)-acetamide, *in* S-00246
N-[(4-Aminophenyl)sulfonyl]-3-methyl-2-butenamide, *see* S-00192
N-[(4-Aminophenyl)sulfonyl]-4-(1-methylethoxy)benzamide, *see* S-00251
N-[(4-Aminophenyl)sulfonyl]octadecanamide, *see* S-00142
4-[[4-[(4-Aminophenyl)sulfonyl]phenyl]amino]-4-oxobutanoic acid, *see* S-00173
N-[4-(4-Aminophenyl)sulfonyl]phenylglycine, *see* A-00008
[4-[(4-Aminophenyl)sulfonyl]phenyl]urea, A-00312
5-[(4-Aminophenyl)sulfonyl]-2-thiazolamine, *see* T-00185
5-Amino-1-phenyl-1*H*-tetrazole, A-00313
▷Aminophylline, *in* T-00169
3-Aminopiperidine, A-00314
3-Amino-18,20-pregnanediol, A-00315
Aminoprofen, A-00316
1-Aminoproline, *see* A-00328
Aminopromazine, *see* P-00521
▷3-Amino-1,2-propanediol, A-00317
▷1-Amino-2-propanol, A-00318
▷3-Amino-1-propanol, A-00319
Aminopropanolpyrocatechol, *see* A-00249
2-Amino-2′,6′-propionoxylidide, *see* T-00332
α-Aminopropiophenone, *see* A-00309
3-Amino-4-propoxybenzoic acid 2-(diethylamino)ethyl ester, *see* P-00550
5-[(3-Aminopropyl)amino]-7,10-dihydroxy-2-[2-[(2-hydroxyethyl)amino]ethyl]anthra[1,9-*cd*]pyrazol-6(2*H*)-one, *see* P-00350
17-[(3-Aminopropyl)amino]estra-1,3,5(10)-trien-3-ol, *see* P-00458
▷2-[(3-Aminopropyl)amino]ethanethiol dihydrogen phosphate, *see* E-00155
▷β-Aminopropylbenzene, *see* P-00202
α-(1-Aminopropyl)-3,4-dihydroxybenzyl alcohol, *see* E-00212
▷3-Aminopropylene glycol, *see* A-00317
4-(2-Aminopropyl)imidazole, *see* M-00260
2-(1-Aminopropyl)-2-indanol, A-00320
3-(2-Aminopropyl)phenol, A-00321
4-(2-Aminopropyl)phenol, A-00322
p-β-Aminopropylphenol, *see* A-00322
1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-picolinium(1+), A-00323
▷Aminopt, *in* A-00205
▷Aminopterin, A-00324
Aminopterin sodium, *in* A-00324
▷4-Aminopteroylglutamic acid, *see* A-00324
▷2-Aminopurine-6-thiol, *see* T-00202
4-(6-Amino-9*H*-purin-9-yl)-4-deoxyerythronic acid, *see* E-00110
2-[2-(2-Amino-9*H*-purin-9-yl)ethyl]-1,3-propanediol diacetate, *see* F-00012
4-Amino-*N*-(3-pyridazinyl)benzenesulfonamide, *see* S-00208
▷2-Aminopyridine, A-00325
2-Amino-3-pyridinecarboxylic acid, A-00326
▷4-Amino-*N*-2-pyridinylbenzenesulfonamide, *see* S-00252
▷4-Amino-*N*-2-pyrimidinylbenzenesulfonamide, *see* S-00237
▷Aminopyrine, A-00327
1-Amino-2-pyrrolidinecarboxylic acid, A-00328
3-Amino-3-pyrrolidinecarboxylic acid, A-00329
7-(3-Amino-1-pyrrolidinyl)-1-(2,4-difluorophenyl)-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, *see* T-00390
7-(3-Amino-1-pyrrolidinyl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acid, *see* E-00119
4-Aminopyrrolo[2,3-*d*]pyrimidine, A-00330
Aminoquinol, A-00331
2-Aminoquinoxaline, A-00332
▷4-Amino-*N*-2-quinoxalinylbenzenesulfonamide, *in* A-00332
▷Aminoquinuride, *see* B-00190
▷Aminorex, *see* A-00246
▷6-Amino-9-β-D-ribofuranosyl-9*H*-purine, *see* A-00067
▷4-Amino-1-β-D-ribofuranosyl-1,3,5-triazin-2(1*H*)-one, *see* A-00496
Aminosalicylate calcium, *in* A-00264
Aminosalicylate sodium, *in* A-00264
▷4-Aminosalicylic acid, *see* A-00264
▷5-Aminosalicylic acid, *see* A-00266
▷*p*-Aminosalicylic acid, *see* A-00264
▷4-Aminosalicylic acid 2-(diethylamino)ethyl ester, *see* H-00206
p-Aminosalol, *in* A-00264
▷Aminosidine *I*, *see* P-00039
▷Aminosidine II, *in* P-00039
▷Aminosin, *see* I-00073
▷Aminosin, *see* P-00496
2-Amino-4-sulfamoylbenzenearsonic acid, *see* A-00209
2-Amino-5-sulfanilylthiazole, *see* T-00185
2-[3-[2-(*p*-Aminosulfonyl)anilino-4-hydroxy-5-pyrimidinyl]-ureido]-2-(4-hydroxyphenyl)acetamido]penicillanic acid, *see* P-00352
▷4-(Aminosulfonyl)benzoic acid, *in* S-00217
▷3-(Aminosulfonyl)-5-(butylamino)-4-phenoxybenzoic acid, *see* B-00356
▷3-(Aminosulfonyl)-5-(butylamino)-4-(phenylmethyl)benzoic acid, *see* B-00108
3-(Aminosulfonyl)-4-chlorobenzoic acid 2,2-dimethylhydrazide, *see* A-00121
1-[[3-(Aminosulfonyl)-4-chlorobenzoyl]amino]-2,4,6-trimethylpyridinium hydroxide inner salt, *see* B-00139
[4-[3-(Aminosulfonyl)-4-chlorobenzoyl]-2,3-dichlorophenoxy]-acetic acid, *see* S-00224
▷3-(Aminosulfonyl)-4-chloro-*N*-(2,3-dihydro-2-methyl-1*H*-indol-1-yl)benzamide, *see* I-00052
3-(Aminosulfonyl)-4-chloro-*N*-(1,3-dihydro-1-methyl-2*H*-isoindol-2-yl)benzamide, *see* Z-00011
5-(Aminosulfonyl)-4-chloro-*N*-(2,6-dimethylphenyl)-2-hydroxybenzamide, *see* X-00017
3-(Aminosulfonyl)-4-chloro-*N*-(2,6-dimethyl-1-piperidinyl)-benzamide, *see* C-00480
▷5-(Aminosulfonyl)-4-chloro-2-[2-(furanylmethyl)amino]-benzoic acid, *see* F-00267

3-(Aminosulfonyl)-4-chloro-*N*-(octahydro-4,7-methano-2*H*-isoindol-2-yl)benzamide, *see* T-00522
5-(Aminosulfonyl)-*N*-[[1-(cyclopropylmethyl)-2-pyrrolidinyl]-methyl]-2-methoxybenzamide, *see* C-00391
5-(Aminosulfonyl)-2,3-dimethoxy-*N*-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]benzamide, *see* V-00018
▷5-(Aminosulfonyl)-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxybenzamide, *see* S-00259
5-(Aminosulfonyl)-*N*-[[1-[(4-fluorophenyl)methyl]-2-pyrrolidinyl]methyl]-2-methoxybenzamide, *see* F-00134
5-(Aminosulfonyl)-2-[(2-furanylmethyl)amino]-4-phenoxybenzenesulfonic acid, *see* S-00233
5-(Aminosulfonyl)-2-methoxy-*N*-[(1-methyl-2-pyrrolidinyl)-methyl]benzamide, *see* S-00228
N-[5-(Aminosulfonyl)-2-methoxyphenyl]-1-ethyl-2-pyrrolidineacetamide, *see* I-00213
5-(Aminosulfonyl)-2-methoxy-*N*-[(1-propyl-2-pyrrolidinyl)-methyl]benzamide, *see* P-00530
▷*N*-(5-Aminosulfonyl)-3-methyl-1,3,4-thiadiazol-2(3*H*)-ylideneacetamide, *see* M-00176
▷3-(Aminosulfonyl)-4-phenoxy-5-(1-pyrrolidinyl)benzoic acid, *see* P-00323
4-[[4-(Aminosulfonyl)phenyl]amino]-4-oxobutanoic acid, *see* S-00209
5-[[4-(Aminosulfonyl)phenyl]azo]-2-hydroxybenzoic acid, *see* S-00009
▷*N*-[5-(Aminosulfonyl)-1,3,4-thiadiazol-2-yl]acetamide, *see* A-00018
N-[5-(Aminosulfonyl)-1,3,4-thiadiazol-2-yl]propanamide, *see* P-00493
Aminosultopride, *see* A-00347
▷9-Amino-1,2,3,4-tetrahydroacridine, A-00333
6-Amino-4,5,6,7-tetrahydrobenzothiazole, A-00334
3-Amino-4,5,6,7-tetrahydro-2*H*-indazole, *see* T-00119
7-Amino-5,6,7,8-tetrahydro-1-naphthalenol, A-00335
▷4-Amino-2,2,5,5-tetrakis(trifluoromethyl)-3-imidazoline, *see* M-00364
4-Amino-*N*-1,3,4-thiadiazol-2-ylbenzenesulfonamide, *see* S-00211
▷Aminothiazole, *see* A-00336
▷2-Aminothiazole, A-00336
▷4-Amino-*N*-2-thiazolylbenzenesulfonamide, *see* S-00256
7-[[(2-Amino-4-thiazolyl)(carboxymethoxy)imino]acetyl]-amino-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00129
2-[[[7-[[(2-Amino-4-thiazolyl)[(1-carboxy-1-methylethoxy)-imino]acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]methyl]thio]-1-methylpyridinium, *see* C-00131
7-[[2-(2-Amino-4-thiazolyl)-4-carboxy-1-oxo-2-butenyl]-amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00155
[[[1-(2-Amino-4-thiazolyl)-2-[[2,2-dimethyl-4-oxo-1-(sulfooxy)-3-azetidinyl]amino]-2-oxoethylidene]amino]-oxy]acetic acid, *see* T-00268
7-[2-(2-Amino-4-thiazolyl)-2-methoxyiminoacetamido]-cephalosporanic acid, *see* C-00138
1-[[7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]-methyl]-6,7-dihydro-5*H*-1-pyrindinium hydroxide inner salt, *see* C-00144
1-[[7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-2-carboxy-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-en-3-yl]-methyl]-5,6,7,8-tetrahydroquinolinium, *see* C-00147
7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-3-(methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00145
7-[[2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-3-[(5-methyl-2*H*-tetrazol-2-yl)methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00153
7-[[(2-Amino-4-thiazolyl)(methoxyimino)acetyl]amino]-8-oxo-3-[2-[[1,4,5,6-tetrahydro-5,6-dioxo-4-(2-oxoethyl)-1,2,4-triazin-3-yl]thio]ethenyl]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00157
Aminothioformic acid, *see* T-00196
4-Amino-3-thiophenecarboxylic acid, A-00337
α-Amino-*p*-toluenesulfonamide, *see* M-00002
α-Amino-α-toluic acid, *see* A-00300
7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine, A-00338
4-Amino-6-(trichloroethenyl)-1,3-benzenedisulfonamide, *see* C-00503
4-Amino-1-[2,3,6-trideoxy-4-*O*-[4,6-dideoxy-4-(dimethylamino)-α-D-glucopyranosyl]-β-D-*erythro*-hexopyranosyl]-2(1*H*)-pyrimidinone, *see* C-00666
7-Amino-4,5,6-triethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-*g*]-isoquinolin-5-yl-1(3*H*)-isobenzofuranone, *see* T-00541
7-Amino-4,5,6-triethoxy-3-(1,2,3,4-tetrahydro-5-methoxy-2-methyl-6,7-methylenedroxyquinolin-3-yl)phthalide, *see* T-00541
2-Amino-6-(trifluoromethoxy)benzothiazole, A-00339
4-Amino-3-[3-(trifluoromethyl)phenyl]-5-isothiazolecarboxylic acid, *see* A-00184
4-Amino-3-(α,α,α-trifluoro-*m*-tolyl)-5-isothiazolecarboxylic acid, *see* A-00184
2-Amino-5-(α,α,α-trifluoro-*p*-tolyl)-2-oxazoline, *see* F-00162
▷3-Amino-2,4,6-triiodobenzoic acid, A-00340
▷*N*-(3-Amino-2,4,6-triiodobenzoyl)-*N*-phenyl-β-alanine, *see* I-00091
▷α-(3-Amino-2,4,6-triiodobenzyl)butyric acid, *see* I-00125
▷3′-Amino-2′,4′,6′-triiodo-*N*-methylglutaranilic acid, *see* I-00120
▷5-[(3-Amino-2,4,6-triiodophenyl)methylamino]-5-oxopentanoic acid, *see* I-00120
α-[[4-Amino-5-(3,4,5-trimethoxybenzyl)-2-pyrimidinyl]-amino]-3-ethoxy-4-hydroxy-α-toluenesulfonic acid, *see* V-00008
N-[4-Amino-5-(3,4,5-trimethoxybenzyl)-2-pyrimidinyl]-phthalimide, *see* T-00012
α-[[4-Amino-5-[(3,4,5-trimethoxyphenyl)methyl]-2-pyrimidinyl]amino]-3-ethoxy-4-hydroxybenzenemethanesulfonic acid, *see* V-00008
2-[4-Amino-5-[(3,4,5-trimethoxyphenyl)methyl]-2-pyrimidinyl]-1*H*-isoindole-1,3(2*H*)-dione, *see* T-00012
▷Aminotris(hydroxymethyl)methane, *see* A-00268
Aminotylon, *see* A-00036
2-Amino-3-ureidopropanoic acid, *see* A-00098
2-Amino-5-ureidovaleric acid, *see* C-00405
▷Aminoxaphen, *see* A-00246
1-Aminoxymethyl-2-methylnaphthalene, *see* N-00019
Aminoxytriphene, A-00341
Aminoxytropine tropate, *in* T-00554
▷Amiodarone, A-00342
▷Amipaque, *see* M-00343
▷Amiperone, A-00343
▷Amiphenazole, *see* D-00134
Amipizone, A-00344
Amipramidine, *see* A-00198
Amipramizide, *see* A-00198
Amiprilose, A-00345
Amiprilose hydrochloride, *in* A-00345
Amiquinsin, *see* A-00250
Amiquinsin hydrochloride, *in* A-00250
▷Amisometradine, A-00346
Amisulpride, A-00347
▷Amital, *see* A-00352
Amiterol, A-00348
▷Amithiozone, *in* A-00210
▷Amitid, *in* N-00224
▷Amitraz, A-00349
▷Amitril, *in* N-00224
▷Amitriptyline hydrochloride, *in* N-00224
▷Amitryptyline, *in* N-00224
▷Amitryptylinoxide, *in* N-00224
▷Amivadine, *see* G-00069
Amixetrine, A-00350
▷Amizil, *in* B-00034
Amlexanox, *see* A-00361
Amlodipine, A-00351

Amlodipine maleate, *in* A-00351
▷Ammidin, *see* I-00045
▷Ammoidin, *see* X-00007
▷Ammoniated mercury, *see* M-00124
Ammonium bituminosulphonate, *see* I-00010
Ammonium-21-tungsto-9-antimoniate, *in* H-00059
▷Amobarbital, A-00352
▷Amobarbital sodium, *in* A-00352
Amodiaquine, A-00353
▷Amodiaquine hydrochloride, *in* A-00353
Amodril, *in* P-00202
Amodryl, *see* B-00299
▷Amoebicon, *see* G-00069
Amogastrin, A-00354
▷Amolanone, A-00355
Amolisin, *in* H-00111
▷Amolyn, *see* B-00381
Amonafide, A-00356
Amoproxan, A-00357
▷Amopyroquine, A-00358
Amorolfine, A-00359
▷Amoscanate, *see* N-00180
▷Amosept, *in* M-00229
Amoseptic, *in* T-00357
Amosulal, *see* A-00360
Amosulalol, A-00360
▷Amotril, *see* C-00019
Amotril, *in* C-00456
Amotriphene, *see* A-00341
▷AMOX, *see* A-00362
▷Amoxan, *see* A-00362
Amoxanox, A-00361
▷Amoxapine, A-00362
Amoxecaine, A-00363
▷Amoxicillin, *see* A-00364
▷Amoxycillin, A-00364
Amoxydramine, *in* D-00484
Amoxydramine camsilate, *in* D-00484
Ampecyclal, *in* H-00029
Amperozide, A-00365
Amphecloral, A-00366
▷Amphenidone, *see* A-00310
▷Amphetamine, *see* P-00202
▷Amphetamine sulfate, *in* P-00202
▷Amphetaminil, *see* A-00183
Amphetaminotheophylline, *see* F-00047
▷Amphizol, *see* D-00134
Amphoglucamine, *in* A-00368
▷Ampho-Moronal, *see* A-00368
Amphotalide, A-00367
▷Amphotericin, *see* A-00368
▷Amphotericin *B*, A-00368
▷Amphotericin A, *in* A-00368
▷Amphozone, *see* A-00368
▷Ampicillin, A-00369
Ampicillin (5-methyl-2-oxo-1,3-dioxol-4-yl)methyl ester, *see* L-00022
▷Ampicillin sodium, *in* A-00369
▷Ampiclox, *in* C-00515
Ampiroxicam, A-00370
Amplicain, *in* C-00423
Amplicaine, *see* O-00005
▷Amplidione, *see* O-00097
Ampliphylline, *in* T-00169
▷Amplit, *in* L-00074
Amprol, *see* A-00323
Amprolium, *in* A-00323
Amprotropine, A-00371
▷Amprotropine phosphate, *in* A-00371
AMPT, *in* A-00273
Ampyrimine, *see* T-00421
▷Ampyrone, *see* A-00244
Ampyzine, *see* D-00421
Ampyzine sulfate, *in* D-00421
Amquinate, *in* D-00238
Amquinolate, *in* D-00238
▷Amrinone, A-00372
Amritoside, *in* E-00026
▷Amsacrine, A-00373
▷Amsidine, *see* A-00373
▷Amsine, *see* A-00373
▷Amstat, *in* A-00281
▷Amudane, *see* G-00087
▷Amylac, *see* G-00064
α-Amylase, *see* A-00147
Amylase THC250, *see* A-00147
▷Amylcaine, *see* N-00008
4-Amyl-*m*-cresol (obsol.), *see* M-00280
▷Amyleine, *in* A-00374
▷Amylin, *see* D-00114
Amylmetacresol, *see* M-00280
▷Amyl nitrite, *see* M-00237
▷Amylobarbitone, *see* A-00352
▷Amylocaine, A-00374
Amylopectin, *in* S-00140
Amylopectin sulfate, *in* S-00140
Amylopsin, *see* A-00147
Amylose, *in* S-00140
▷Amylsine, *see* N-00008
Amylum, *see* S-00140
▷Amytal sodium, *in* A-00352
▷AN1, *see* A-00183
▷AN 1317, *see* P-00122
▷AN 1324, *see* G-00063
▷A 20338N_1, *see* B-00362
▷Anabet, *see* N-00006
▷Anabiol, *in* O-00029
Anabo, *in* H-00185
Anabol, *see* S-00139
Anabol 4-19, *in* C-00242
Anaboleen Depot. Amp., *in* H-00109
▷Anabolex, *in* H-00109
Anabolico, *in* H-00185
Anabolicus, *in* H-00185
Anabolin, *in* H-00185
Anabolvis, *see* Q-00015
Anabron, *see* D-00374
Anador, *in* H-00185
▷Anadrol, *see* O-00154
Anadur, *in* H-00185
Anadurine, *in* H-00185
Anaesthaminol, *in* A-00263
▷Anaflex, *see* P-00385
▷Anafongine, *see* B-00204
▷Anafranil, *in* C-00472
Anagestone, A-00375
Anagestone acetate, *in* A-00375
Anagrelide, A-00376
Anagrelide hydrochloride, *in* A-00376
Analeptan, *see* E-00048
▷Analeptin, *see* S-00286
Analexin, *in* P-00211
▷Analgel, *see* A-00013
Analgin, *see* D-00532
Analgispan, *see* A-00474
▷Analgizer, *see* D-00183
▷Anamebil, *see* C-00249
Anamidol, *see* O-00152
▷Anamox, *see* A-00362
▷Ananase, *see* B-00287
Anandron, *see* N-00143
Ananxyl, *see* A-00148
▷Anaphylline, *in* T-00169
▷Anapolon, *see* O-00154
Anapregnone, *in* A-00375
Anaprel, *in* R-00028
▷Anaprox, *in* N-00048
▷Anarcon, *see* N-00032
Anarel, *in* G-00100
▷Anarexol, *in* C-00648
Anaritide, A-00377
Anaritide acetate, *in* A-00377

Anaspaz, *in* T-00554
Anasyth, *see* S-00139
Anatrofin, *in* S-00144
Anatropin, *in* A-00375
Anatruxonium, *see* T-00563
▷Anaus, *in* T-00500
Anausine, *see* B-00317
▷Anavar, *see* O-00086
Anaxirone, A-00378
▷Anazocine, *in* M-00203
Anazolene, A-00379
▷Anazolene sodium, *in* A-00379
Ancaris, *in* T-00164
Ancarolol, A-00380
▷Ancef, *in* C-00120
▷Anchilen V, *see* D-00360
▷Anchoic acid, *see* N-00203
Ancillin, *in* D-00485
▷Ancitabine, *see* C-00600
▷Ancitabine hydrochloride, JAN, *in* C-00600
▷Ancobon, *see* F-00183
▷Ancobon (old form), *in* D-00230
▷Ancotil, *see* F-00183
▷Ancrod, A-00381
▷Ancylol, *see* D-00360
Ancyte, *see* P-00301
▷Andantol, *see* I-00214
Andol, *in* H-00185
Andradurin, *in* H-00111
Andriol, *in* H-00111
▷Androcur, *in* C-00651
▷Andro-Diane, *in* C-00651
Androdurin, *in* H-00111
▷Androfurazanol, *see* F-00283
Androgenol, *in* H-00154
▷Androlone, *in* H-00109
Andromar, *in* H-00111
▷Androstalone, *see* M-00136
Androstanazol, *see* S-00139
1,1′-[Androstane-3,17-diyl]bis[1-methylpyrrolidinium], *see* D-00529
▷Androstanolone, *in* H-00109
▷Androstanolone benzoate, *in* H-00109
Androstanolone enanthate, *in* H-00109
▷Androstanolone propionate, *in* H-00109
Androstanolone valerate, *in* H-00109
Androst-5-en-3,16-diol, A-00382
Androstenediol, *see* A-00383
Androst-5-ene-3,17-diol, A-00383
▷Androstenediol dipropionate, *in* A-00383
4-Androstene-3,11,17-trione, *see* A-00079
Androtest *A*, *in* H-00111
Androviron, *see* M-00137
Androxon, *in* H-00111
▷Anecotan, *see* D-00183
▷Anectine, *in* S-00280
▷Anelun, *in* P-00544
▷Anergen, *see* D-00412
▷Anespas F, *in* P-00430
▷Anestan, *see* B-00294
▷Anetamin, *in* H-00118
▷Aneurine, *see* T-00174
Aneurine disulfide, *see* T-00176
▷Anexate, *see* F-00152
An-fol *A*, *see* P-00553
An-fol *R*, *see* P-00553
▷Anfosentin, *see* D-00606
▷Anfostat, *see* A-00368
▷ANG 66, *in* A-00386
▷Angel dust, *see* P-00183
▷Angeli's sulfone, *see* G-00057
7-Angelyl-9-sarracinylretronecine, *in* S-00025
Angex, *see* L-00045
▷Anginin, *see* P-00568
▷Anginon, *see* A-00166
▷Anginyl, *in* D-00373
▷Angiociclan, *in* B-00042
▷Angio-Conray, *in* I-00140
▷Angio-Contrix '48', *in* I-00140
▷Angiodisten, *in* C-00363
Angioftal, *in* O-00125
Angiogenin, A-00384
▷Angiografin, *in* D-00138
Angiopac, *in* D-00361
Angiostatin, *in* A-00462
Angiotensinamide, *in* A-00385
Angiotensins, A-00385
Angiotonin, *see* A-00385
▷Angiotrofin, *see* I-00020
▷Angioxine, *see* P-00568
▷Angitrit, *in* T-00538
▷Angium, *see* B-00352
Angolon, *in* I-00042
Angoril, *in* I-00042
▷Angorlisin, *see* E-00019
▷Angormin, *in* P-00423
▷Angorvid, *see* P-00365
▷Angropril, *in* B-00134
▷Anguidin, *in* A-00386
Anguidol, A-00386
Angustibalin, *in* H-00024
▷2,2′-Anhydro-1-(β-D-arabinofuranosyl)cytosine, *see* C-00600
N,*N*′-Anhydrobis(2-hydroxyethyl)biguanide, *see* M-00446
▷2,2′-Anhydro-5-fluoro-1-β-D-arabinofuranosylcytosine, *see* F-00219
▷Anhydrogitalin, *in* T-00474
1,4-Anhydroglucitol, A-00387
Anhydroglucochloral, *see* C-00193
▷Anhydron, *see* C-00639
1,4-Anhydrosorbitol, *see* A-00387
6,7-Anhydro-2,3,8-trideoxy-D-*galacto*-oct-2-enonic acid δ-lactone 4-acetate, *see* A-00464
Anidoxime, A-00388
Anilamate, A-00389
▷Anileridine, A-00390
▷Anileridine hydrochloride, *in* A-00390
▷Aniline-*p*-sulfonic acid, *see* A-00213
2-Anilino-5-chlorobenzoxazole, *in* A-00225
1-(2-Anilinoethyl)-4-[4,4-bis(*p*-fluorophenyl)butyl]piperazine, *see* D-00269
1-(2-Anilinoethyl)-4-[2-(diethylamino)ethoxy]-4-phenylpiperidine, *see* D-00140
2-(Anilinomethyl)-2-imidazoline, *see* P-00141
1-(3-Anilinopropyl)-4-phenylisonipecotic acid ethyl ester, *see* P-00260
Anilopam, A-00391
Anilopam hydrochloride, *in* A-00391
Anipamil, A-00392
Aniracetam, *see* M-00197
Anirolac, A-00393
Anisacril, A-00394
m-Anisaldehyde *O*-[2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]oxime, *see* P-00111
▷Anisene, *see* C-00290
o-Anisic acid, *see* M-00196
▷*p*-Anisidine, *see* M-00195
▷Anisindione, *see* M-00212
▷Anisomycin, A-00395
Anisopirol, A-00396
▷Anisotropine methylbromide, *see* O-00018
Anisoylated lys-plasminogen streptokinase activator complex (1:1), *see* A-00397
3-*p*-Anisoyl-3-bromoacrylic acid, *see* B-00286
3-*p*-Anisoyl-6-methoxy-2-methyl-1-indoleacetic acid, *see* D-00620
1-*p*-Anisoyl-2-pyrrolidinone, *see* M-00197
Anistreplase, A-00397
▷2-*p*-Anisyl-1,3-indandione, *see* M-00212
Anitrazafen, *see* B-00228
▷Ankebin, *in* F-00062
▷Ankilostin, *see* T-00106

Annogen, *in* B-00075
▷Anoestrulilin, *in* H-00175
Anogon, *in* D-00358
▷Anohist, *in* T-00218
Anopridine, *see* P-00260
▷Anorexyl, *in* M-00290
▷ANP 215, *see* E-00191
▷ANP 246, *see* C-00455
▷ANP 297, *see* M-00067
ANP 3401, *see* C-00353
▷ANP 3548, *in* F-00067
ANP 4071, *see* D-00528
ANP 4364, *in* D-00212
Anparton, *in* C-00456
Anpirtoline, A-00398
▷Anquil, *see* B-00060
▷Anratal, *in* C-00196
Ansadol, *in* H-00112
Ansamitocin P_0, *see* M-00027
Ansamitocin *P*-1, *in* M-00027
Ansamitocin P-2, *in* M-00027
▷Ansamitocin P-3, *in* M-00027
Ansamitocin P-3′, *in* M-00027
Ansamitocin P-4, *in* M-00027
Ansieten, *see* K-00012
▷Ansiolene, *see* D-00557
▷Ansiopax, *see* D-00156
▷Ansolysen, *in* P-00102
Ansoxetine, A-00399
▷Antabuse, *see* D-00542
Antafenite, *see* D-00296
Antagonal, *see* B-00373
▷Antalgin, *in* H-00166
▷Antallin, *in* E-00186
▷Antalon, *see* P-00263
▷Antaxone, *in* N-00034
▷Antazoline, A-00400
▷Antazoline phosphate, *in* A-00400
Antazonite, A-00401
▷Antelepsin, *see* C-00475
▷Antelmycin, *see* H-00075
▷Antemovis, *in* H-00218
▷Antepar, *in* P-00285
▷Antergan, A-00402
▷Anthelcide Eq, *see* O-00109
▷Anthelmin, *in* D-00103
▷Anthelmycin, *see* H-00075
▷Anthelvert, *in* T-00151
▷Anthemovister, *see* H-00218
Anthen, *see* I-00206
▷Anthiolimine, *in* S-00150
▷Anthiomaline, *in* S-00150
▷Anthiphen, *see* D-00198
▷Anthisan, *in* M-00108
9,10-Anthracenedicarboxaldehyde bis[4,5-dihydro-1*H*-imidazol-2-yl]hydrazone, *see* B-00191
▷1,8,9-Anthracenetriol, *in* D-00310
▷Anthralin, *see* D-00310
▷Anthramycin, A-00403
Anthranilamide, *in* A-00215
▷Anthranilic acid, *see* A-00215
▷1,8,9-Anthratriol, *in* D-00310
Anthricin, *in* D-00083
2,2′-(9,10-Anthrylenedimethylene)bis(isothiourea), A-00404
2,2′-(9,10-Anthrylenedimethylene)bis[2-thiopseudourea], *see* A-00404
▷Antialer, *see* P-00210
Antiasthmone, *see* B-00224
▷Antibiotic *C*3, *in* C-00177
▷3*C*-Antibiotic, *see* H-00152
▷Antibiotic *F*3, *in* C-00177
▷Antibiotic 1293, *see* C-00189
▷Antibiotic 1719, *see* A-00531
▷Antibiotic 2562*A*, *see* C-00221
Antibiotic 434*B*, *see* M-00236
▷Antibiotic 4761, *see* S-00064
▷Antibiotic 5879, *see* B-00158
Antibiotic 5915, *see* A-00277
▷Antibiotic 66-04, *see* A-00039
▷Antibiotic 6640, *see* S-00082
Antibiotic 66-40*G*, *in* S-00082
▷Antibiotic 720*A*, *see* A-00415
▷Antibiotic 747, *see* C-00189
Antibiotic 76-11, *see* C-00108
Antibiotic 8217, *see* A-00277
Antibiotic 899, *see* V-00054
Antibiotic 106-7, *see* A-00277
▷Antibiotic 10676, *see* N-00068
Antibiotic 17452, *see* A-00277
▷Antibiotic 61477, *see* S-00017
▷Antibiotic 6739-15, *see* T-00210
▷Antibiotic 6761-31, *see* T-00210
Antibiotic 14752-2, *see* O-00068
Antibiotic I 1431, *see* A-00277
▷Antibiotic I 337A, *see* C-00195
▷Antibiotic *A* 21101 III, *see* A-00436
▷Antibiotic X 1497, *in* M-00180
▷Antibiotic X 340, *see* R-00030
▷Antibiotic X 5108, *in* M-00413
▷Antibiotic X 537*A*, *see* L-00011
▷Antibiotic X 465A, *see* C-00189
Antibiotic X 14868A, A-00411
Antibiotic X 14868B, *in* A-00411
Antibiotic X 14868C, *in* A-00411
Antibiotic X 14868D, *in* A-00411
Antibiotic A21*A*, *in* M-00413
Antibiotic 49A, *see* C-00583
▷Antibiotic 116A, *see* A-00158
▷Antibiotic A 2371, *see* M-00397
▷Antibiotic A 3223*A*, *in* M-00428
Antibiotic A 3823*B*, *in* M-00428
Antibiotic A 3823*C*, *in* M-00428
Antibiotic A 3823*D*, *in* M-00428
▷Antibiotic 4009A, *see* A-00187
▷Antibiotic A 5283, *see* P-00253
▷Antibiotic 833A, *in* M-00276
▷Antibiotic A 9145, *see* S-00078
▷Antibiotic A 10338, *see* C-00223
▷Antibiotic A 16316*C*, *in* D-00103
▷Antibiotic A 23812, *in* P-00566
▷Antibiotic A 23813, *see* P-00566
Antibiotic $273a_1$, *see* P-00005
Antibiotic $273a_{1\alpha}$, *in* P-00005
Antibiotic $273a_{1\beta}$, *in* P-00005
▷Antibiotic A 28086*A*, *see* N-00050
Antibiotic A 28086*B*, *in* N-00050
▷Antibiotic A 28829, *see* B-00258
Antibiotic 13285A1, *in* P-00066
Antibiotic 13285A2, *in* P-00066
Antibiotic A 11725 I, *in* M-00474
Antibiotic A 11725 II, *see* M-00474
Antibiotic A21101 II, *in* A-00436
▷Antibiotic A 12253A, *see* N-00058
Antibiotic A 51568A, *in* V-00007
▷Antibiotic AB 74, *in* D-00103
Antibiotic A 9145C, *in* S-00078
▷Antibiotic acid S, *see* A-00171
Antibiotic AMA 1080, *see* C-00104
▷Antibiotic A 20338N_1, *see* B-00362
Antibiotic AR 5-I, *in* M-00474
Antibiotic AR 5-II, *see* M-00474
Antibiotic AT 125, A-00405
Antibiotic AT 265, *in* C-00214
▷Antibiotic AT 265B, *see* C-00214
▷Antibiotic AY 22989, *see* R-00013
Antibiotic AY 24668, *in* R-00013
Antibiotic 2562B, *in* C-00221
▷Antibiotic 3008B, *in* C-00410
▷Antibiotic 4009B, *see* N-00058
Antibiotic B 5050*C*, *see* M-00023
▷Antibiotic 1703-18B, *see* H-00223

Antibiotic B 52653, *see* A-00092
Antibiotic BA 8509A, *in* A-00238
▷Antibiotic BA 8509B, *see* A-00531
▷Antibiotic BA 8509C, *see* A-00095
▷Antibiotic B 79B, *see* S-00109
▷Antibiotic BB-K8, *see* A-00196
▷Antibiotic 10204-BII, *see* D-00452
Antibiotic BL-P 1462, *see* S-00271
Antibiotic BL-P 1761, *in* H-00035
Antibiotic BL-S 786, *see* C-00137
Antibiotic BMG 162 aF_2, *see* S-00112
Antibiotic BMY 28117, *see* E-00041
Antibiotic BMY 28142, *see* C-00125
Antibiotic BN 183B, *see* B-00005
▷Antibiotic BRL 1241, *in* M-00180
▷Antibiotic BRL 1702, *in* D-00214
Antibiotic BRL 2039, *see* F-00139
▷Antibiotic BRL 2064, *in* C-00045
▷Antibiotic BRL 2288, *in* T-00255
Antibiotic BRL 804, *see* H-00035
Antibiotic BRL 17421, *in* T-00062
▷Antibiotic BRL 4910A, *see* P-00552
Antibiotic BS 2653X, *in* A-00092
▷Antibiotic BU 2231*A*, *see* T-00010
Antibiotic Bu 2517, *see* E-00041
▷Antibiotic Bu 620, *see* C-00557
▷Antibiotic BU 1709E_1, *in* B-00408
Antibiotic BU 1709E_2, *in* B-00408
▷Antibiotic BU 1975C_1, *in* B-00408
Antibiotic BU 1975C_2, *in* B-00408
▷Antibiotic C 7819*B*, *see* N-00050
Antibiotic C 076A_{1a}, *see* A-00479
Antibiotic C 076A_{2a}, *see* A-00481
Antibiotic C 076A_{1b}, *see* A-00480
Antibiotic C 076A_{2b}, *see* A-00482
Antibiotic C 076B_{1a}, *see* A-00483
Antibiotic C 076B_{2a}, *see* A-00485
Antibiotic C 076B_{1b}, *see* A-00484
Antibiotic C 076B_{2b}, *see* A-00486
▷Antibiotic CC 1065, *see* R-00001
Antibiotic C 15003 deClQND-O, *in* M-00027
Antibiotic C 15003 deClQ-O, *in* M-00027
Antibiotic CGP 7174E, *see* C-00150
Antibiotic CI 920, *see* F-00260
Antibiotic CL 1565*A*, *see* F-00260
Antibiotic CL 1565*B*, *in* F-00260
Antibiotic CL 1565*C*, *in* F-00260
Antibiotic CL 1565*T*, *in* F-00260
▷Antibiotic CL 13900, *see* P-00557
▷Antibiotic CL 16536, *in* P-00557
Antibiotic CL 227193, *see* P-00283
Antibiotic CL 251931, *see* C-00162
Antibiotic CP 15464, *see* C-00077
Antibiotic CP 45899, *in* P-00065
Antibiotic CP 47904, *in* P-00065
Antibiotic CP 49952, *see* S-00262
Antibiotic C 15003P-1, *in* M-00027
Antibiotic C 15003P-2, *in* M-00027
▷Antibiotic C 15003P-3, *in* M-00027
Antibiotic C 15003P-3′, *in* M-00027
Antibiotic C 15003P-4, *in* M-00027
▷Antibiotic CP 15639-2, *in* C-00045
Antibiotic C 15003 PHM-1, *in* M-00027
Antibiotic C 15003 PHM-2, *in* M-00027
Antibiotic C 15003 PHM-3, *in* M-00027
Antibiotic C 15003 PHM-4, *in* M-00027
Antibiotic C 15003 P-4-βHY, *in* M-00027
Antibiotic C 15003 P-4-γHY, *in* M-00027
Antibiotic C 15003 PND-4-βHY, *in* M-00027
Antibiotic C 15003 QND-O, *in* M-00027
▷Antibiotic CS 1170, *see* C-00132
▷Antibiotic 2230D, *see* P-00039
Antibiotic D788-1, *in* C-00081
Antibiotic DL 473, *see* R-00048
Antibiotic E129A, *see* O-00068
Antibiotic E 733A, *see* A-00277
Antibiotic EMD 30087, *see* C-00119
Antibiotic E 129Z_1, *see* P-00440
Antibiotic F1, *in* C-00177
Antibiotic FK 156, A-00406
Antibiotic FL 1039, *see* P-00366
Antibiotic FR 13303, *see* C-00138
Antibiotic FR 31564, *see* F-00257
Antibiotic FR 48736, *see* C-00313
▷Antibiotic G 52, *in* S-00082
▷Antibiotic GR 20263, *see* C-00152
▷Antibiotic GS 2989, *see* M-00044
Antibiotic G367-S_2, *in* S-00082
▷Antibiotic HBF 386, *see* A-00054
Antibiotic HR 109, *in* C-00138
Antibiotic HR 221, *see* C-00134
▷Antibiotic HR 756, *in* C-00138
Antibiotic I-2743C, *in* A-00415
Antibiotic J55G1, *in* C-00081
Antibiotic K 300, *see* A-00277
Antibiotic KG 2245, *see* H-00081
Antibiotic KM 4927, *see* H-00081
▷Antibiotic KW 1062, *in* G-00018
▷Antibiotic KW 1070, *see* F-00252
Antibiotic L 105, *see* C-00162
▷Antibiotic 3123L, *see* P-00557
▷Antibiotic L 33876, *see* H-00075
Antibiotic L 640876, A-00407
▷Antibiotic LA 7017, *see* M-00397
Antibiotic LL AE 705W, *see* N-00081
Antibiotic LL-AM 684β, *see* T-00579
Antibiotic LL-C23024B, *in* A-00411
▷Antibiotic LL D05139α, *in* A-00509
Antibiotic LL-F28249α, A-00408
Antibiotic LL-S-88 A″, *in* A-00436
▷Antibiotic M 141, *see* S-00111
▷Antibiotic M 319, *see* C-00190
Antibiotic M 139603, *see* T-00157
Antibiotic M 146791, *see* C-00594
▷Antibiotic M 4365A_2, *see* R-00092
Antibiotic M 4365G_2, *see* R-00025
▷Antibiotic MA 144*U2*, *see* M-00022
Antibiotic M 4365A_1, *in* R-00092
▷Antibiotic MA 144A_1, *see* A-00042
Antibiotic MA 144T_1, *see* A-00089
▷Antibiotic MB 530B, *see* M-00348
Antibiotic M 4365G_1, *in* R-00025
Antibiotic MG 883-12F_2, *in* S-00162
Antibiotic MK 0787, *see* I-00039
▷Antibiotic MK 955, *in* M-00276
Antibiotic ML 236B, *see* C-00539
▷Antibiotic MM 14151, *in* C-00410
▷Antibiotic MSD 803, *see* M-00348
Antibiotic MSD 883, *in* M-00348
Antibiotic MT 141, *see* C-00133
▷Antibiotic MYC 8003, *see* M-00413
▷Antibiotic N 9940A, *see* G-00085
▷Antibiotic NCI C55709, *see* C-00195
Antibiotic NJ-21, *see* A-00277
Antibiotic NK 1013-2, *in* K-00005
▷Antibiotic NSC A649*A*, *see* O-00038
Antibiotic OM-173α_1, *in* N-00036
Antibiotic OM 173β_1, *in* N-00036
Antibiotic OM 173αA, *in* N-00036
Antibiotic OM 173βA, *in* N-00036
▷Antibiotic OS 3966*A*, *see* N-00036
Antibiotic P 12, *in* O-00074
▷Antibiotic P 1011, *in* D-00214
▷Antibiotic P 42-1, *see* A-00100
▷Antibiotic P 638, *see* P-00557
Antibiotic P 15148, *in* E-00116
Antibiotic P 15149, *in* E-00116
Antibiotic P 15150, *in* E-00116
Antibiotic P 15153, *in* E-00116
▷Antibiotic PA 93, *see* N-00228
Antibiotic PA 94, *see* A-00277
▷Antibiotic PA 95, *see* A-00039

Antibiotic PA 114*A*, *see* O-00068
Antibiotic PA 399, *see* D-00278
Antibiotic PA 39504X_1, *in* A-00459
Antibiotic PA 39504X_3, *see* A-00459
Antibiotic PA 114B_2, *see* V-00054
Antibiotic PA 31088IV, *in* A-00459
Antibiotic PD 110161, *see* F-00260
Antibiotic PD 113270, *in* F-00260
Antibiotic PD 113271, *in* F-00260
▷Antibiotic PR 1350, *see* C-00421
Antibiotic PR 1381, *in* C-00421
▷Antibiotic 1489 RB, *see* P-00278
Antibiotic Ro 1-9213, *see* A-00277
▷Antibiotic Ro 2-2985, *see* L-00011
Antibiotic Ro 13-9904, *see* C-00159
Antibiotic Ro 17-2301, *see* C-00104
▷Antibiotic RP 5278, *see* S-00162
Antibiotic RP 6798, *see* D-00066
▷Antibiotic RP 18631, *see* C-00221
▷Antibiotic RP 32232, *see* S-00078
Antibiotic RP 35391, *in* S-00078
▷Antibiotic RU 24756, *in* C-00138
Antibiotic RU 28965, *see* R-00100
▷Antibiotic S-67, *see* A-00054
▷Antibiotic S 300, *see* V-00050
▷Antibiotic S 438, *see* B-00247
Antibiotic SCE 129, *see* C-00150
Antibiotic Sch 13430, *see* M-00070
▷Antibiotic Sch 14342, *see* G-00017
Antibiotic Sch 16524, *see* R-00025
▷Antibiotic Sch 20569, *see* N-00078
▷Antibiotic Sch 21420, *in* G-00017
▷Antibiotic Sch 22591, *see* P-00099
Antibiotic SF 1854, *in* F-00252
Antibiotic SF 2052, *see* D-00002
▷Antibiotic SF 337, *see* A-00247
▷Antibiotic SF 733, *see* R-00040
▷Antibiotic SF 767*A*, *see* L-00062
▷Antibiotic SF 837A_1, *see* P-00371
Antibiotic SF 2080A, *see* D-00197
Antibiotic SF 973A, *see* A-00002
▷Antibiotic SF 767B, *see* P-00039
Antibiotic SF 973B, *in* A-00002
Antibiotic S-GI, *in* T-00481
Antibiotic SKF 59962, *see* C-00118
Antibiotic SKF 75073, *in* C-00135
▷Antibiotic SKF 83088, *see* C-00132
▷Antibiotic SMP 78, *see* A-00171
▷Antibiotic SQ 11302, *see* E-00074
Antibiotic SQ 14359, A-00409
▷Antibiotic SQ 16123, *in* M-00180
Antibiotic SQ 16423, *in* O-00074
▷Antibiotic SQ 16603, *see* F-00303
▷Antibiotic SQ 26776, *see* A-00533
Antibiotic SQ 26917, *in* A-00533
▷Antibiotic ST 21, *see* P-00363
Antibiotic SY 1, *in* S-00017
Antibiotic T 1220, *see* P-00283
▷Antibiotic T 2636*A*, *in* B-00362
▷Antibiotic T 2636*C*, *see* B-00362
▷Antibiotic TA 2407, *see* A-00099
Antibiotic TMS 19Q, *in* L-00034
▷Antibiotic U 5956, *see* F-00106
▷Antibiotic U 7750, *see* S-00163
▷Antibiotic U 9889, *see* S-00164
▷Antibiotic U 10149, *see* L-00051
▷Antibiotic U 12898, *see* B-00247
Antibiotic U 13933, *see* A-00464
Antibiotic U 15965, *see* D-00048
▷Antibiotic U 18496, *see* A-00496
▷Antibiotic U 19183, *see* S-00109
Antibiotic U 19718, *in* K-00002
▷Antibiotic U 20661, *see* S-00143
▷Antibiotic U 21251, *see* C-00428
▷Antibiotic U 24792, *see* L-00082
▷Antibiotic U 40615, *in* S-00143
Antibiotic U 42126, *see* A-00405
Antibiotic U 43120, *see* P-00044
Antibiotic U 43795, *in* A-00405
Antibiotic U 44590, *see* D-00278
Antibiotic U 56407, A-00410
Antibiotic U 24729A, *in* M-00393
▷Antibiotic U 30604E, *see* Z-00038
Antibiotic U 57930E, *see* P-00339
Antibiotic UK 18892, *see* B-00404
▷Antibiotic W 7783, *see* A-00171
Antibiotic W 847A, *see* M-00070
Antibiotic W 847B, *in* M-00070
▷Antibiotic W 847C_1, *in* M-00070
▷Antibiotic W 847C_2, *in* M-00070
Antibiotic WF 4629, *see* C-00313
▷Antibiotic 2233wp, *see* S-00111
▷Antibiotic WR 141, *see* G-00085
▷Antibiotic WS 3442*A*, *in* C-00177
Antibiotic WS 3442*E*, *in* C-00177
▷Antibiotic WS 4545, *see* B-00158
▷Antibiotic Wy 3277, *in* N-00012
▷Antibiotic Wy 4508, *see* C-00585
▷Antibiotic X-7-III, *see* L-00033
▷Antibiotic XK 33*FI*, *in* D-00103
Antibiotic XK 213, *see* E-00005
▷Antibiotic XK 62-2, *in* G-00018
▷Antibiotic XK 41A_1, *in* M-00070
▷Antibiotic XK 41A_2, *in* M-00070
Antibiotic XK 41B_1, *in* M-00070
Antibiotic XK 41C, *see* M-00070
Antibiotic Y 12278, *see* B-00005
▷Antibiotic YA 56X, *see* Z-00038
▷Antibiotic YC 73, *see* F-00177
▷Antibiotic YL 704B_1, *see* P-00371
Antibiotic YL 704C_1, *see* M-00023
▷Antibiotic YL 704A_3, *see* L-00033
Antibiotic 1745Z_3A, *see* O-00068
Antibiotic 1745Z_3B, *see* V-00054
▷Antibotic PA 144, *see* M-00397
Anticapsin, A-00412
Anticoagulans 63, *see* C-00599
Anticoccine, *in* M-00141
Anticoman, *see* D-00037
▷Anticon, *in* H-00191
▷Antidiar 200, *in* D-00130
Antidipsin, *see* E-00152
Antienite, A-00413
▷Antifolic acid, *see* A-00324
Antihemophilic factor, *see* F-00003
Antihemophilic globulin, *see* F-00003
Antileprol, *in* C-00627
▷Antilirium, *in* E-00122
▷Antilon, *in* E-00218
▷Antiminth, *in* P-00558
▷Antimony potassium tartrate, A-00414
▷Antimycin, *see* C-00403
▷Antimycin *A*, A-00415
▷Antimycin A_1, *in* A-00415
Antimycin A_2, *in* A-00415
▷Antimycin A_3, *in* A-00415
▷Antimycin A_4, *in* A-00415
Antimycin A_5, *in* A-00415
Antimycin A_6, *in* A-00415
▷Antin, *see* P-00210
▷Antipar, *in* D-00227
▷Anti-Pica, *see* F-00130
▷Antipiriculin, *see* A-00415
▷Antipyrine, *see* D-00284
Antipyrine acetylsalicylate, *in* D-00284
Antipyrine amygdalate, *in* D-00284
Antipyrine mandelate, *in* D-00284
Antipyrine methylethylglycolate, *in* D-00284
▷Antipyrine salicylate, *in* D-00284
(Antipyrinylisobutylamino)methanesulfonic acid, *see* D-00170
▷*N*-[(Antipyrinylisopropylamino)methyl]nicotinamide, *see* N-00155

(Antipyrinylmethylamino)methanesulfonic acid, *see* D-00532
▷*N*-Antipyrinylnicotinamide, *see* N-00112
N-Antipyrinylsalicylamide, A-00416
▷Antirex, *in* E-00016
Antirrhinin, *see* K-00009
▷Antispasmin, *in* O-00161
Antisterility vitamin, *see* T-00335
▷Antistin, *in* A-00400
▷Antitetanin, *see* D-00304
Antithrombin III, A-00417
▷Antitriol, *see* O-00086
Antitrombin, *see* A-00417
α_1-Antitrypsin, A-00418
▷Antiulcera Master, *in* C-00196
▷Antivert, *see* M-00051
Antofin, *in* H-00205
▷Antopen, *see* M-00394
▷Antoral, *in* T-00250
▷Antorfin, *see* N-00032
▷Antorphin, *see* N-00032
Antostab, *see* S-00053
▷Antoxol, *see* D-00385
▷Antrafenine, A-00419
▷Antramycin, *see* A-00403
▷Antrenyl, *in* O-00161
▷Antrepar, *see* A-00023
Antridonium, *see* I-00191
▷Antrocol, *in* T-00554
▷Antrycide, *in* A-00207
▷Antrypol, *see* S-00275
▷Antuitrin, *see* G-00080
▷Antupex, *see* T-00311
▷Anturan, *see* S-00258
▷Anuvex, *in* D-00318
Anxon, *see* K-00012
▷Aolan, *see* E-00140
AOMA, *see* S-00276
Ap 2, *see* E-00164
▷AP 2, *see* S-00073
▷AP-14, *see* D-00262
▷AP 1288, *in* B-00037
▷AP 407, *in* A-00371
AP 880, *see* N-00153
▷6-APA, *see* A-00295
Apacef, *in* C-00139
▷APAETF, *see* E-00155
Apafant, A-00420
Apalcillin, A-00421
Apalcillin sodium, *in* A-00421
▷Apam, *see* B-00181
Apatef, *in* C-00139
▷Apazone, *see* A-00507
APD, *see* P-00009
Apegmone, *see* T-00297
▷Apetain, *in* P-00202
▷Apetinil, *in* P-00202
Apeton, *in* H-00109
▷APGA, *see* A-00324
▷3α,16β,17,18-Aphidicolanetetrol, *see* A-00422
▷Aphidicolin, A-00422
Aphilan, *see* M-00059
Aphosal, *see* C-00193
▷Aphrodine, *see* Y-00002
Apicycline, A-00423
▷Apigenin 4′-methyl ether, *see* D-00329
▷Apiquel, *see* A-00246
▷Apistate, *in* D-00240
▷Aplacal, *in* M-00083
Aplisol, *see* T-00570
Aplitest, *see* T-00570
▷Aplodan, *see* C-00559
A-Plus, *see* I-00194
α-APM, *see* A-00460
APNPS, *see* S-00204
APO, *see* A-00424
15-Apo-β-caroten-15-oic acid, *see* R-00033
▷15-Apo-β-caroten-15-ol, *see* V-00058
▷Apocodeine, *in* A-00425
▷Apocretin, *in* A-00272
Apo-14,15-dehydrovincamine, *in* A-00426
▷Apodol, *see* A-00390
Apolipoprotein A1, A-00424
Apomed, *see* P-00507
▷Apomorphine, A-00425
Apomorphine hydrochloride, *in* A-00425
▷Aponeuron, *see* A-00183
▷Aponti-Sterilisierhad, *in* D-00203
▷Apopen, *see* P-00171
▷Apophedrin, *see* A-00304
Apoterin, *in* R-00028
Apothyrin, *see* D-00365
Apoverticine, *in* V-00024
Apovincamine, A-00426
Apraclonidine, A-00427
Apraclonidine hydrochloride, *in* A-00427
▷Apralan, *see* A-00428
Apralan, *in* A-00428
▷Apramycin, A-00428
Apramycin sulfate, *in* A-00428
Aprecon, *see* I-00177
▷Apresazide, *in* H-00096
▷Apresoline, *in* H-00096
Aprindine, A-00429
▷Aprindine hydrochloride, *in* A-00429
▷Aprobarbital, A-00430
Aprobit, *in* P-00478
▷Aprofene, A-00431
▷Aprophen, *see* A-00431
▷Aprotinin, A-00432
▷Aprotinin solution, JAN, *see* A-00432
▷Aprozal, *see* A-00430
APSAC, *see* A-00397
▷Aptal, *see* C-00256
Aptazapine, A-00433
Aptazapine maleate, *in* A-00433
Aptinol, *in* L-00115
Aptocaine, A-00434
Apurone, *see* F-00155
ApV, *see* A-00426
▷APY-606, *in* S-00114
Apyramide, *in* I-00065
AQ-A39, *see* F-00011
▷AQL 208, *in* T-00418
Aquaforil, *see* X-00017
Aquamox, *see* Q-00021
Aquaphor, *see* X-00017
Aquaphoril, *see* X-00017
▷Aquatag, *see* B-00103
▷Aquatensen, *see* M-00218
Aquazid, *in* B-00103
▷Aquedux, *in* C-00215
Aquex, *see* C-00480
▷Aquirel, *see* C-00639
Aquocobalamin, *see* V-00060
AR 336, *in* V-00056
▷AR 12008, *see* T-00401
▷Ara-A, *in* A-00435
Ara-Ac, *see* F-00020
9-Arabinofuranosyladenine, A-00435
1-β-D-Arabinofuranosyl-5-azacytosine, *see* F-00020
Arabinofuranosylcytosine, *see* C-00667
9-β-D-Arabinofuranosyl-2-fluoroadenine, *see* F-00142
9-β-D-Arabinofuranosyl-2-fluoro-9*H*-purin-6-amine, *see* F-00142
9-Arabinofuranosyl-9*H*-purin-6-amine, *see* A-00435
Arabinosylcytosine, *see* C-00667
▷Ara-C, *in* C-00667
▷Aracan, *in* C-00025
▷Arachine, *see* C-00308
▷Aracytidine, *in* C-00667
Aragonite, *in* C-00014
▷Aralen, *in* C-00284

▷Aramine, *in* A-00274
▷Aranotin, A-00436
▷Araquine, *see* C-00308
▷Arasan, *see* T-00149
▷Arasena-A, *in* A-00435
▷Arazopeptin, *see* A-00095
▷Arbacet, *in* D-00334
▷Arbaprostil, *in* D-00334
Arbekacin, *in* D-00154
▷Arbuz, *see* P-00018
▷Arcacin, *in* P-00171
Arcagynil, *in* O-00030
Arcalion, *in* T-00174
▷Arcaterol, *see* B-00179
Arclofenin, A-00437
▷Arcomonol, *see* M-00420
▷Arcton 33, *see* D-00202
▷Arctuvin, *see* B-00074
Ardacin, *see* A-00443
Ardacin *A*, *in* A-00443
Ardacin *B*, *in* A-00443
Ardacin *C*, *in* A-00443
AR-DF 26, *see* G-00043
Arduan, *in* P-00277
▷Arecaidine, *see* T-00126
▷Arecaine, *see* T-00126
▷Arecoline, *in* T-00126
▷Arelix, *see* P-00323
Arfalasin, A-00438
Arfendazam, A-00439
▷Arfonad, *in* T-00498
Argatroban, A-00440
▷Argicilline, *see* M-00186
Argimesna, *in* A-00441
Arginine, A-00441
▷Arginine hydrochloride, *in* A-00441
▷8-Arginineoxytocin, *in* V-00013
Arginine tidiacicate, *in* T-00184
Arginine vasopressin, *in* V-00013
8-L-Arginine vasopressin, *in* V-00013
▷*Ile*^{3}*-Arginine vasopressin*, *in* V-00013
▷Arginine vasotocin, *in* V-00013
N-[*N*-(*N*^{2}-L-Arginyl-L-lysyl)-L-α-aspartyl]-L-valine, *see* T-00223
N-[*N*-[*N*-(*N*^{2}-L-Arginyl-L-lysyl-L-α-aspartyl]-L-valyl]-L-tyrosine, *see* T-00225
N-[*N*-[*N*-(*N*^{2}-L-Arginyl-L-lysyl)-L-α-glutamyl]-L-valyl]-L-tyrosine, *see* S-00135
N-L-Arginyl-8-L-methionine-21*a*-L-phenylalanine-21*b*-L-arginine-21*c*-L-tyrosineatriopeptin-21(rat), *see* A-00377
▷Argiodin, *see* V-00057
Argipidine, *see* A-00440
Argipressin, *in* V-00013
Argipressin tannate, USAN, *in* V-00013
▷Argiprestocin, *in* V-00013
Arglecin, A-00442
▷Argobyl, *see* T-00479
Argolamide active substance, *see* V-00010
▷Arg^8-Oxytocin, *in* V-00013
▷Argun, *see* A-00103
Argun L, *in* L-00085
AR 5-I, *in* M-00474
Aricidin *A*, *in* A-00443
▷Aricodon, *in* T-00245
Aridicin, A-00443
Aridicin *B*, *in* A-00443
Aridicin *C*, *in* A-00443
AR 5-II, *see* M-00474
Arildone, A-00444
Arinol, *see* D-00410
▷Ariotin, *see* A-00436
Aristinic acid, *see* M-00200
▷Aristocort, *see* T-00419
Aristolochia yellow, *see* M-00200
Aristolochic acid, *see* M-00200
Aristolochic acid *B*, *see* M-00252
Aristolochic acid I, *see* M-00200
Aristolochic acid II, *see* M-00252
Aristolochic acid II methyl ester, *in* M-00252
Aristolochic acid III, *in* H-00160
Aristolochic acid III*a*, *see* H-00160
Aristolochic acid A, *see* M-00200
Aristolochic acid C, *see* H-00160
Aristolochin, *see* M-00200
▷Aristospan, *in* T-00419
AR-L 113*BS*, *in* S-00227
▷AR-L 115*BS*, *see* S-00227
Arlanto, *in* A-00123
Arlatone 507, *in* D-00405
▷Arlidin, *in* B-00367
Arlitan, *see* A-00387
▷Arlix, *see* P-00323
▷Arlytene, *see* T-00227
Armil, *see* B-00118
Arnolol, A-00445
▷Aromarone, *in* H-00166
Aronixil, A-00446
Arotinolol, A-00447
▷Arovit, *in* V-00058
Aroxine, *in* A-00294
Arpenal, *in* D-00488
Arpicolin, *in* P-00455
Arpocox, *see* A-00448
Arprinocid, A-00448
Arpromidine, A-00449
▷Arquel, *see* M-00045
▷Arresten, *see* M-00319
▷Arrhenal, *in* M-00226
▷Arsanilic acid, *see* A-00302
▷*m*-Arsanilic acid, *see* A-00301
▷Arsenamide, A-00450
▷4,4′-Arsinobis(2-aminophenol), *see* S-00021
▷Arsobal, *see* M-00077
[5-Arsono-2-(hydroxyphenyl)amino]methanesulfinic acid, *see* P-00146
▷*p*-Arsono-*N*-phenylglycinamide, *see* C-00041
▷*p*-Arsonophenylurea, *see* C-00043
▷Arsphenamide, *see* A-00450
▷Arsphenamine, *see* S-00021
Arsphendichloride, *see* A-00270
Arsthinol, A-00451
▷Artalan, *in* P-00129
▷Artane, *in* B-00081
▷Arteannuin, *see* A-00452
▷Artemisinin, A-00452
▷Arteolol, *in* C-00102
▷Arteoptic, *in* C-00102
Arterenol, *see* N-00208
▷Arteriohom, *see* C-00456
▷Arteriol, *in* P-00598
Arteriolase, *in* M-00308
▷Arteripax, *in* C-00363
▷Arterium, *see* N-00097
Arterolo, *see* C-00467
▷Artes, *see* M-00080
Arthenolone, *in* H-00205
Arthripur, *see* D-00286
▷Arthrisin, *see* A-00033
Articaine, *see* C-00103
▷Artiflam *R*, *see* B-00099
▷Artil, *see* I-00216
▷Artilacer, *in* T-00144
Artisone, *in* H-00205
Artivis, *in* H-00205
▷Artra, *in* B-00074
▷Artrocaptin, *see* T-00353
▷Artrodar, *in* D-00309
Artromialgina, *in* D-00315
▷Arvin, *see* A-00381
▷Arvynol, *see* E-00151
▷Arwin, *see* A-00381
1AS, *see* I-00156

▷5-ASA, *see* A-00266
▷Asabaine, *in* M-00169
▷Asacol, *see* A-00266
▷Asafan, *see* A-00453
▷Asalit, *see* A-00266
Asalphen, *in* H-00112
▷Asaphan, A-00453
Asaphen, *in* P-00300
Asbron G, *in* T-00169
▷Ascabin, *in* B-00092
Ascamycin, A-00454
▷Ascapilla, *see* C-00020
▷Ascapurin, *see* A-00455
▷Ascaridole, A-00455
▷Ascarisin, *see* A-00455
▷Asclepin, *in* G-00079
Asclopan, *see* S-00005
Ascomp, *in* A-00123
Ascorbic acid, A-00456
▷Ascorbicap, *in* A-00456
Ascriptin, *in* M-00008
Asdofan, *in* A-00453
Asdophan, *in* A-00453
ASE 136BS, *see* D-00533
Asecryl, *in* G-00070
Asellacrin, *see* H-00090
▷Asendin, *see* A-00362
▷Asenlix, *see* C-00435
Aseptamide, *in* D-00179
Aseptorid, *in* M-00002
▷Asiatic acid, *in* T-00485
▷Asiaticoside, *in* T-00485
ASK, *in* H-00112
▷ASL 279, *see* D-00579
▷ASL 601, *see* P-00446
▷ASL 603, *in* B-00271
ASL-8052, *in* E-00123
Asmaten, *in* R-00058
▷Asnase, *see* A-00458
Asocainol, A-00457
Asorec, *see* S-00194
Aspaminol, *see* D-00507
▷Asparaginase, A-00458
▷Asparagine amidohydrolase, *see* A-00458
Asparenomycin *C*, A-00459
Asparenomycin A, *in* A-00459
Asparenomycin B, *in* A-00459
Aspartame, A-00460
25-L-Aspartic acid-26-L-alanine-27-glycine-$\alpha^{1\text{-}28}$-corticotropin-(pig), *see* O-00006
N^{β}-Aspartylglutamic acid, A-00461
N-α-Aspartylphenylalanine 1-methyl ester, *see* A-00460
N-α-Aspartyl-3-phenylalanine methyl ester, *see* A-00460
▷Aspason, *in* F-00071
Aspaxicillin, *see* A-00465
Aspercreme, *in* H-00112
Aspergel, *in* H-00112
▷Aspergillin, *see* G-00041
Aspergillomarasmine *A*, *in* A-00462
Aspergillomarasmine *B*, *in* A-00462
(±)-Aspergillomarasmine *B*, *in* A-00462
Aspergillomarasmines, A-00462
Asperlicin, A-00463
Asperlin, A-00464
Asperoside, *in* D-00274
Asperoside, *in* D-00274
▷Aspirin, *see* A-00026
▷Aspolat, *see* S-00263
Aspoxicillin, A-00465
▷Asta 3746, *in* C-00330
▷Asta 5122, *see* S-00178
Asta 5531, *in* I-00044
▷Asta C 4898, *in* D-00370
Astaril, *in* A-00212
Asta Z 7557, *in* M-00004
▷Astemizole, A-00466
▷Astenile, *in* H-00110
Asterol, *see* D-00143
Asterriquinone, A-00467
Asterriquinone A1, *in* A-00467
Asthma-Keton 11, *see* D-00335
Asthmalitan, *in* I-00185
Asthma-Tropon, *see* D-00335
▷Astiban, *see* S-00149
Astiron, *in* A-00453
Astmopent, *in* O-00053
▷Astomin, *in* D-00379
▷Astonin H, *see* F-00147
Astop, *in* O-00053
Astquinon, *in* M-00217
▷Astra 1410, *see* H-00195
▷Astra 1512, *in* P-00432
▷Astra 2358, *in* K-00015
Astrafer, *in* D-00114
Astra W 36095, *in* T-00332
▷Astriderm, *see* B-00073
Astroderm, *in* D-00177
Astrolin, *in* D-00284
▷Astromicin, *see* F-00252
Astromicin sulfate, *in* F-00252
Astyn, *see* E-00011
Astyron, *in* A-00453
▷Asuntol, *see* C-00555
▷Asvelik, *see* T-00311
▷Asverin, *see* T-00311
▷Asvex, *see* T-00311
AT-17, *see* D-00379
▷Atabrine, *see* Q-00010
Atamestane, *see* M-00223
Ataractan, *see* D-00506
▷Atarax, *in* H-00222
▷Atebrin, *see* Q-00010
Atelor, *see* D-00143
Atem, *in* I-00155
Atenativ, *see* A-00417
▷Atenolol, A-00468
Atenorax, *see* E-00265
▷Atenos (new form), *in* B-00426
Atenos (old form), *see* E-00265
Atensil, *see* P-00251
▷Atensine, *see* D-00148
Atheran, *see* C-00467
Atherol, *in* S-00151
▷Atherophylline, *in* P-00582
▷Athimil, *in* M-00360
▷Athoxyd, *in* B-00222
▷Athrombin K, *in* W-00001
Atipamezole, A-00469
Atiprosine, A-00470
Atiprosin maleate, *in* A-00470
▷Ativan, *see* D-00056
▷Atladiol, *in* O-00028
Atlansil, *in* A-00342
▷Atletol, *see* C-00249
▷Atock, *in* F-00247
Atolide, A-00471
▷Atomirate, *see* N-00100
▷Atomol, *in* O-00153
▷Atophan, *see* P-00206
▷Atoquinazone, *see* A-00081
Atoquinol, *in* P-00206
▷Atoreuma, *see* H-00195
Atossisclerol, *see* P-00380
▷Atover, *see* P-00568
Atoxyl, *in* A-00302
Atractylenolide I, *see* E-00269
Atracurium(2+), A-00472
Atracurium besylate, *in* A-00472
▷Atral, *in* Q-00037
Atralose, *see* T-00231
▷Atrapar, *see* H-00082
Atremon, *see* O-00125

Atrial natriuretic factor, *see* A-00473
▷Atrican, *see* T-00072
Atrimycon, *see* P-00538
Atrinal, *in* H-00070
Atriopeptin, A-00473
▷Atrium, *in* E-00218
▷Atrocholin, *see* D-00049
Atromepine, A-00474
Atropigen, *in* T-00554
▷Atropine, *in* T-00554
▷Atropine methonitrate, *in* T-00554
Atropine oxide, *in* T-00554
Atropine oxide hydrochloride, *in* T-00554
Atropine propionate, *in* T-00554
▷Atropine sulfate, *in* T-00554
▷Atropisol, *in* T-00554
Atroscine, *in* S-00031
Atrovent, *in* I-00155
Attentil, *in* F-00107
▷Atumin, *in* D-00218
Aturbal, *in* P-00155
Aturbane, *in* P-00155
Aturgyl, *in* F-00066
Atuss, *see* D-00397
AU 7801, *see* A-00316
▷Audicalm, *see* P-00257
▷Augmentan, *in* C-00410
▷Augmentin, *in* C-00410
Augmentin, *in* G-00110
▷Aulin, *see* D-00556
▷Aulin (new), *see* N-00146
Auluton, *in* A-00261
▷Auralgan, *in* D-00284
Auranofin, A-00475
▷Auranthin A, *see* A-00056
▷Auranthin A-2, *see* A-00055
▷Auranthin A-3, *see* A-00057
▷Auranthin B, *see* A-00055
▷Auranthin C, *see* A-00057
▷Aureocort, *in* A-00476
▷Aureolic acid, *see* M-00397
▷Aureomycin, A-00476
Aureoquindiamate, *in* M-00217
▷Aureotan, *in* T-00201
Aureothricin, A-00477
▷Aurocidin, *see* S-00084
▷Aurodox, *in* M-00413
▷Aurolin, *see* S-00084
▷Auropex, *see* S-00084
Aurothioglucose, *see* T-00201
Aurothioglycanide, A-00478
▷Aurothion, *see* S-00084
▷Aurugopin, *see* S-00287
▷Aurumine, *in* T-00201
AUS, *see* A-00312
▷Ausocef, *see* P-00363
▷Autasynt, *see* B-00148
▷Autohemophilic factor B, *see* F-00004
▷Autokar, *see* D-00040
▷Autoprothrombin II, *see* F-00004
▷Avacan, *in* D-00234
▷Avadyl, *in* D-00234
▷Avagal, *in* M-00169
▷Avantin, *see* P-00491
▷Avatec, *see* L-00011
Avenein, *in* D-00311
Avermectin A_{1a}, A-00479
Avermectin B_{1a}, A-00483
Avermectin A_{2a}, A-00481
Avermectin B_{2a}, A-00485
Avermectin A_{1b}, A-00480
Avermectin B_{1b}, A-00484
Avermectin A_{2b}, A-00482
Avermectin B_{2b}, A-00486
▷Avertin, *see* T-00428
▷Avicalm, *in* M-00336
▷Avicocid, *in* A-00332
Avicol-SL, *see* C-00462
▷Avil, *in* P-00157
Avilamycin C, A-00487
▷Avilamycin A, *in* A-00487
▷Avilamycin, INN, USAN, *in* A-00487
▷Avinar, *see* U-00012
▷Aviochina, *in* A-00332
▷Avloclor, *in* C-00284
▷Avlon, *see* P-00434
▷Avlosulfon, *see* D-00129
Avocin, *see* P-00283
Avomine, *in* P-00478
Avridine, A-00488
AVS, *see* N-00087
AW 10, *in* S-00151
▷AW 142333, *see* P-00126
AW 142446, *in* C-00448
AW 105-843, *see* N-00024
16-244 AWD, *see* T-00324
AWD 19-166, *see* B-00252
▷Awelysin, *see* S-00160
AX 36-080, *see* O-00079
Axamozide, A-00489
▷Axeen, *see* P-00546
Axerofluid, *in* V-00058
▷Axerol, *see* V-00058
Axerophthol propionate, *in* V-00058
▷Axialit, *in* E-00103
▷Axilur, *see* F-00037
▷Axiquel, *in* E-00204
AY 20, *in* P-00514
AY 5710, *see* M-00005
AY 5810, *in* P-00091
▷AY 6204, *see* P-00483
▷AY 6608, *see* P-00079
▷AY 8682, *in* D-00282
AY 11440, *in* C-00463
▷AY 11483, *see* E-00129
▷AY 15613, *in* D-00158
▷AY 21367, *see* O-00127
▷AY 21554, *in* T-00014
AY 22124, *in* I-00088
AY 22214, *in* T-00002
AY 22241, *see* A-00059
AY 22284, *in* D-00478
AY 22469, *see* D-00086
▷AY 22989, *see* R-00013
▷AY 23289, *see* P-00461
AY 23713, *in* P-00313
▷AY 23946, *in* T-00025
AY 24031, *in* L-00116
AY 24169, *in* D-00112
AY 24236, *see* E-00245
AY 24269, *see* P-00525
AY 24559, *in* H-00169
AY 24668, *in* R-00013
AY 24856, *in* P-00474
▷AY 25329, *in* A-00493
AY 25650, *see* T-00531
AY 25712, *see* D-00290
AY-27110, *in* C-00341
AY 27773, *see* T-00370
AY 28288, *in* A-00470
AY 28768, *see* P-00055
AY 30715, *see* P-00056
▷AY 55074, *in* C-00033
▷AY 61122, *see* M-00165
▷AY 62013, *see* D-00225
▷AY 62014, *in* B-00424
▷AY 62021, *in* C-00481
▷AY 62022, *see* M-00057
Ayapanin, *in* H-00114
▷Ayerluton, *see* M-00057
▷Ayermicina, *in* L-00032
▷Ayr, *see* S-00085

8-Azaadenine, *see* A-00338
2-Azaadenosine, A-00490
1-Azabenz[*b*]azulene, *see* C-00604
▷3-Azabicyclo[3.2.2]nonane, A-00491
4-(3-Azabicyclo[3.2.2]non-3-yl)-4′-fluorobutyrophenone, *see* N-00204
4-(3-Azabicyclo[3.2.2]non-3-yl)-1-(4-fluorophenyl)-1-butanone, *see* N-00204
▷1-Azabicyclo[2.2.2]octan-3-ol, *see* Q-00035
N-(1-Azabicyclo[2.2.2]oct-3-yl)-5-chloro-2-methoxy-4-(methylamino)benzamide, *in* Z-00002
5-(1-Azabicyclo[2.2.2]oct-3-yl)-10,11-dihydro-5*H*-dibenzo[*b*,*f*]azepine, *see* Q-00036
10-(1-Azabicyclo[2.2.2]oct-3-yl)-*N*,*N*-dimethyl-10*H*-phenothiazine-2-sulfonamide, *see* Q-00039
▷10-(1-Azabicyclo[2.2.2]oct-3-ylmethyl)-10*H*-phenothiazine, *see* M-00109
▷1-(3-Azabicyclo[3.3.0]oct-3-yl)-3-*p*-tolylsulfonylurea, *see* G-00037
Azabon, *in* A-00491
Azabuperone, A-00492
Azabutyrone, *see* A-00492
▷Azacitidine, *see* A-00496
Azaclorzine, A-00493
▷Azaclorzine hydrochloride, *in* A-00493
Azaconazole, A-00494
▷Azacort, *see* D-00046
▷Azacortid, *see* F-00131
Azacosterol, A-00495
▷Azacosterol hydrochloride, *in* A-00495
▷Azactam, *see* A-00533
Azacyclonol, *see* D-00506
▷5-Azacytidine, A-00496
5-Aza-2′-deoxycytidine, *see* D-00077
▷Azadol, *see* A-00530
Azafen, *in* P-00300
Azaftozine, A-00497
▷8-Azaguanine, *see* A-00247
Azaleatin, *in* P-00082
Azalein, *in* P-00082
Azaloxan, A-00498
Azaloxan fumarate, *in* A-00498
▷Azamethane, *in* A-00499
Azamethonium(2+), A-00499
▷Azamethonium bromide, *in* A-00499
▷Azameton, *in* A-00499
Azamulin, A-00500
▷Azamune, *see* A-00513
Azanator, A-00501
Azanator maleate, *in* A-00501
Azanidazole, A-00502
▷Azanin, *see* A-00513
▷Azapen, *in* M-00180
▷Azapentine phosphate, *in* A-00504
▷Azaperone, A-00503
▷Azapetine, A-00504
Azaphen, *in* P-00300
▷Azapress, *see* A-00513
Azapride, A-00505
▷Azaprocin, A-00506
▷Azapropazone, A-00507
Azaquinzole, *see* H-00051
▷Azaribine, *in* A-00514
Azarole, A-00508
▷Azaron, *see* T-00524
▷Azaserine, A-00509
Azaspirium(1+), A-00510
Azaspirium chloride, *in* A-00510
[2-(6-Azaspiro[2.5]oct-6-yl)ethyl]guanidine, *see* S-00120
▷Azastene, A-00511
Azasterol, *see* A-00495
Azatadine, A-00512
▷Azatadine maleate, *in* A-00512
Azatepa, *see* A-00517
2-Aza-3-(1-thia-4-carboxymethylbutyl)-6-(3-hydroxy-1-octenyl)-7-hydroxybicyclo[3.3.0]oct-2-ene, *see* T-00279
▷Azathioprine, A-00513
▷Azathioprine sodium, USAN, *in* A-00513
▷6-Azauracil, *see* T-00422
▷6-Azauridine, A-00514
Azaxazin, *in* P-00300
▷Azelaic acid, *see* N-00203
▷Azelastine, A-00515
▷Azelastine hydrochloride, *in* A-00515
Azepexole, A-00516
▷Azephine, *in* A-00504
Azepinamide, *see* G-00077
Azepindole, *see* T-00116
▷Azeptane phosphate, *in* A-00504
▷Azeptin, *in* A-00515
Azetepa, A-00517
Azetirelin, A-00518
Azidamfenicol, A-00519
▷Azidin, *in* B-00187
2-(Azidoacetamido)-1-(4-nitrophenyl)-1,3-propanediol, *see* A-00519
Azidoamphenicol, *see* A-00519
▷1-(4-Azidobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-acetic acid, *see* Z-00012
α-Azidobenzylpenicillin, *see* A-00520
4-Azido-5-chloro-2-methoxy-*N*-[1-(phenylmethyl)-4-piperidinyl]benzamide, *see* A-00505
Azidocillin, A-00520
Azidoclebopride, *see* A-00505
3′-Azido-3′-deoxythymidine, *see* Z-00013
3′-Azido-2′,3′-dideoxyuridine, A-00521
2-Azido-*N*-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)-ethyl]acetamide, *see* A-00519
1-[3-Azido-4-(hydroxymethyl)cyclopentyl]-5-methyl-2,4(1*H*,3*H*)pyrimidinedione, A-00522
Azidophen, *see* A-00520
6-[α-Azidophenylacetamido]penicillanic acid, *see* A-00520
Azidopine, A-00523
3′-Azidothymidine, *see* Z-00013
▷Azimexon, A-00524
Azimycin, *in* D-00303
▷Azintamide, A-00525
Azipramine, A-00526
Azipramine hydrochloride, *in* A-00526
Azipranone, *see* T-00042
▷Aziridinyl benzoquinone, *see* D-00150
▷2-(1-Aziridinyl)-1-vinylethanol, A-00527
Azithromycin, A-00528
Azlene, *in* I-00205
Azlin, *see* A-00529
Azlocillin, A-00529
Azlocillin sodium, *in* A-00529
Azobicina, *see* D-00549
1,1′-Azobis[*N*-chloroformamidine], *see* D-00181
3,3′-Azobis[6-hydroxybenzoic acid], *see* O-00041
1,1′-Azobis[3-methyl-2-phenylimidazo[1,2-*a*]pyridinium], *see* F-00019
Azochloramide, *see* D-00181
Azo compound No. 4, *see* S-00187
Azoconazole, *see* A-00494
Azodisal, *see* O-00041
5,5′-Azodisalicylic acid, *see* O-00041
▷Azolastone, *see* M-00408
Azolid A, *in* M-00011
Azolimine, *see* I-00038
▷Azolinic acid, *see* C-00377
Azoman, *see* C-00609
▷Azomine, *in* D-00133
▷Azomycin, *see* N-00179
▷Azone, *see* L-00015
▷Azosemide, A-00530
Azosulfamid 33, *see* S-00009
▷Azotomycin, A-00531
Azotrex, *in* T-00109
Azoule, *in* A-00212
▷Azovan Blue, A-00532
Azozol, *see* C-00609

▷AZQ, *see* D-00150
AZT, *see* Z-00013
▷Azthreonam, *see* A-00533
▷Aztosin, *in* C-00591
▷Aztreonam, A-00533
▷AzU, *see* T-00422
Azudimidine, *see* S-00011
Azulenol, *see* I-00203
▷Azulon, *see* I-00204
Azulone, *see* B-00407
Azumach, *in* I-00205
Azumolene, A-00534
Azumolene sodium, *in* A-00534
Azuphonate, *in* I-00205
▷Azur, *see* A-00514
Azurene, *see* B-00324
▷B23, *in* T-00215
B 1250, *see* D-00378
▷B1312, *in* B-00369
▷B 194, *in* Z-00027
B 2311, *in* M-00443
B 2360, *see* T-00092
▷B 4130, *see* I-00095
B 5050*C*, *see* M-00023
B 557, *see* C-00535
▷B 577, *see* E-00248
▷B 6518, *see* C-00409
▷B 663, *see* C-00450
B 8560, *see* I-00118
▷B 8890, *see* I-00119
B 10190, *see* I-00141
▷B 15000, *see* I-00124
B 52653, *see* A-00092
B 78820, *see* D-00200
B 807-27, *in* C-00474
BA 168, *in* L-00075
▷BA 253, *in* O-00123
BA 4197, *see* F-00141
BA 4223, *see* T-00461
▷BA 5473, *in* O-00161
▷BA 7205, *in* C-00435
▷Ba 16038, *see* A-00305
▷BA 180265*A*, *see* A-00100
Ba 18189, *in* D-00499
Ba 18605, *see* S-00207
Ba 20684, *see* E-00260
▷Ba 21381, *in* I-00032
Ba 29038, *in* H-00108
Ba 29837, *in* D-00044
▷Ba 30803, *in* B-00090
▷Ba 32644, *see* N-00156
Ba 32968, *see* D-00053
▷Ba 33112, *in* D-00044
▷Ba 34276, *in* M-00021
▷Ba 34647, *see* B-00003
▷Ba 36278*A*, *in* C-00170
Ba 38372, *in* O-00031
Ba 40088, *see* P-00547
BA 4164-8, *in* D-00271
Ba 41795, *see* C-00524
▷BA 7602-06, *see* T-00013
BA 7604-02, *see* T-00015
BA 7605-06, *see* T-00011
BA 8509A, *in* A-00238
▷BA 8509B, *see* A-00531
Babesin, *in* B-00187
▷Babidium, *see* D-00132
Ba 598Br, *in* F-00233
▷Baburan, *in* Q-00037
▷Babylax, *see* G-00064
▷BA 8509C, *see* A-00095
Bacampicillin, B-00001
▷Bacampicillin hydrochloride, *in* B-00001
Bacarate, *in* M-00290
▷Baccidal, *see* N-00214
▷Bacdip, *see* Q-00034
▷Bacillosporin, *in* P-00384
▷Bacitracin *A*, B-00002
▷Baclofen, B-00003
▷Baclon, *see* B-00003
Bacmecillinam, B-00004
Bactacine, *see* X-00013
▷Bactamyl, *see* P-00349
▷Bacteron, *see* B-00158
▷Bacterostat CS-1, *see* B-00204
▷Bactine, *in* M-00229
Bactobolin, *see* B-00005
Bactobolin *A*, B-00005
Bactocill, *in* O-00074
▷Bactopen, *in* C-00515
▷Bactratycin, *see* T-00583
▷Bactroban, *see* P-00552
Badional, *see* S-00257
Baeocystine, *in* D-00411
▷Bagren, *in* E-00103
Baimonidine, *in* V-00024
▷Bajkain, *in* T-00373
▷Baktolan, *see* C-00256
Baktonium, *see* B-00118
Bakuchiol, B-00006
▷BAL, *see* D-00385
Balanitin 1, *in* S-00129
Balanitin 2, *in* S-00129
Balanitin 3, *in* S-00129
Balarsen, *see* A-00451
▷Balipramine, B-00007
▷Balistab, *see* D-00385
Balnimax, *see* O-00152
▷Balonk, *see* D-00385
Balsalazide, B-00008
Bamaluzole, B-00009
Bambermycin, BAN, USAN, INN, *in* M-00418
Bambuterol, *in* T-00084
▷Bamethan, B-00010
▷Bamethan sulfate, *in* B-00010
Bamicetin, *in* A-00187
▷Bamifylline, B-00011
Bamifylline hydrochloride, *in* B-00011
▷Bamiphylline, *see* B-00011
▷Bamipine, *see* B-00106
Bamnidazole, *in* M-00344
Bamoxine, *see* A-00388
Banamine, *in* F-00169
Bancaris, *in* T-00164
▷Bandol, *in* C-00053
Bangina, *in* C-00278
Banicol, *see* B-00118
▷Banikol, *in* T-00144
▷Banminth, *in* P-00558
Banthine, *see* M-00169
▷Banthine bromide, *in* M-00169
Bantogen, *in* P-00171
▷Bantol, *in* C-00053
Baquiloprim, B-00012
Baratol, *in* I-00069
▷Baratol, *in* T-00499
▷Barbaloin, B-00013
▷Barbexaclone, *in* E-00218
▷Barbital, *see* D-00256
▷Barbital sodium, INN, *in* D-00256
▷Barbitone, *see* D-00256
▷Barbituric acid, *see* P-00586
▷Barbonine, *see* E-00150
▷Barespan, *in* V-00003
▷Barium sulfate, B-00014
Barmastine, B-00015
▷Barnetil, *see* S-00264
▷Barnotil, *see* S-00264
Barosmin, *in* T-00476
▷Barosperse, *see* B-00014
▷Barotrast, *see* B-00014
▷Barquinol, *see* C-00244

Barringtonite, *in* M-00006
Barucainide, B-00016
BAS, *see* B-00036
▷Basaquines, *in* E-00231
Base X, *in* P-00416
Base TR-1, *in* V-00033
Base TR-2, *in* V-00033
Basic aluminum glycinate, *see* G-00067
Basic bismuth gallate, *see* D-00314
▷Basic pancreatic trypsin inhibitor (Kunitz), *see* A-00432
Basic phenylmercury perchlorate, *in* H-00125
Basic phenylmercury tetrafluoroborate, *in* H-00125
▷Basikrol, *see* T-00428
▷B 612-Asta, *see* D-00047
▷Basudin, *see* D-00149
Batestan, *see* B-00058
▷Bathyran, *see* T-00192
▷Batilol, *see* D-00337
Bationol, *see* S-00257
▷Batrafen, *in* C-00612
▷Batroxobin, B-00017
▷Batyl alcohol, *see* D-00337
BAX 1515, *see* S-00279
BAX 1526, *see* C-00315
▷BAX 2739*Z*, *see* B-00011
BAX 3084, *see* H-00047
BAX 422*Z*, *see* A-00102
▷Baxacor, *in* E-00134
Baxarytmon, *in* P-00486
Baxitozine, B-00018
BAY, *see* B-00395
▷Bay 1521, *in* N-00229
▷Bay 4059, *see* B-00328
BAY 06893, *see* R-00061
Bay VI 1704, *see* C-00642
Bay VI 6045, *see* F-00158
▷Bay a 7168, *see* N-00142
▷Bay b 4231, *see* G-00048
▷Bay b4343b, *in* C-00097
▷Baycaine, *in* T-00373
▷Baycaron, *see* M-00069
▷Baycipen, *in* M-00358
▷Bay d8815, *in* A-00190
Bay e 5009, *see* N-00172
Bay e6905, *see* A-00529
Bay e 6975, *see* C-00427
▷Bayer 1355, *see* P-00150
▷Bayer 1470, *see* X-00021
▷Bayer 1500, *see* M-00069
▷Bayer 205, *see* S-00275
▷Bayer 2502, *see* N-00134
▷Bayer 3231, *see* T-00533
▷Bayer 4503, *in* P-00505
Bayer 5552, *see* N-00159
Bayer 693, *in* A-00212
▷Bayer 9002, *see* N-00042
▷Bayer 9015, *see* N-00092
▷Bayer 9037, *see* Q-00034
▷Bayer 9053, *see* P-00221
▷Bayer 21/199, *see* C-00555
▷Bayer 29493, *see* F-00078
Bayer 52910, *see* A-00519
▷Bayer A168, *see* S-00263
▷Bayer E 39, *see* I-00075
▷Bay f4975, *see* A-00013
Bay f8751, *see* V-00002
Bay g 5421, *see* A-00005
Bay g 6575, *see* N-00011
▷Baygnostil, *see* P-00160
▷Baygom MEB, *in* D-00204
Bay h4502, *see* B-00164
Bay h 6020, *see* L-00077
Bayinal, *see* B-00400
Bay k 4999, *see* F-00304
Bay k 5552, *see* N-00159
Bay K 8644, *in* D-00283
▷Baylucit, *in* N-00093
▷Bayluscide, *in* N-00093
Bay m 1099, *see* M-00373
▷Bay-Meb 6046, *in* D-00204
▷Baymix, *see* C-00555
Bay n 7133, *see* V-00028
Baynac, *see* F-00051
Bay O 1248, *see* E-00038
▷Bay o 3768, *in* D-00204
Bay o 9867, *in* C-00390
▷BayoNox, *see* O-00034
Bayotensin, *see* N-00172
▷Baypen, *in* M-00358
Baypival, *see* C-00427
Baypress, *see* N-00172
Bay q 3939, *see* C-00390
▷Bayrogal, *see* E-00248
Baysan, *see* C-00427
▷Baytex, *see* F-00078
▷Baythion, *see* P-00221
Baythroid, *see* C-00642
Baytinal, *see* B-00400
Baytril, *see* E-00068
Bay V1 4718, *see* E-00242
Bay Va 9387, *in* A-00214
▷Bay Va 9391, *see* O-00034
▷Bayverm, *see* F-00021
▷Bay Vh 5757, *see* F-00021
Bay Vi 9142, *see* T-00371
Bay Vn 6528, *see* F-00051
Bay VP 2674, *see* E-00068
Bay Vq 7813, *see* R-00035
Bazinaprine, B-00019
▷Bazyl, *see* C-00235
▷B 79B, *see* S-00109
▷BB-K8, *see* A-00196
BC 16, *in* C-00055
BC 48, *in* D-00061
▷BC 51, *in* D-00540
▷*levo*-BC 2605, *in* O-00114
B-cell differentiation factor 2, *see* I-00085
B-cell growth factor 1, *see* I-00083
B-cell growth factor 2, *see* I-00084
B-cell stimulating factor 1, *see* I-00083
B-cell stimulatory factor 2, *see* I-00085
BCGF-1, *see* I-00083
BCGF-II, *see* I-00084
▷BCNU, *see* B-00199
▷BCP, *in* C-00622
▷BCX 2600, *see* S-00157
▷BD40, *see* P-00046
▷BD 40*A*, *in* F-00247
BDF 5895, *see* M-00468
BDF 6122, *in* C-00548
BDF 7570, *see* A-00083
▷BDH 1921, *in* M-00078
BDPE, *see* B-00326
BE 50, *see* P-00035
BE 419, *see* I-00115
BE 5895, *see* M-00468
BEA 1306*MS*, *in* S-00059
▷Beaprine, *see* B-00097
▷Beaumontoside, *in* D-00274
Beauvericin, B-00020
▷Beauwalloside, *in* T-00474
Bebate, *in* B-00141
BEC, *in* B-00314
Becanthone, B-00021
Becanthone hydrochloride, *in* B-00021
Becantone, *see* B-00021
▷Becaptan, *see* A-00252
▷Becenum, *see* B-00199
▷Beclamide, B-00022
Beclobrate, *in* B-00023
Beclobrinic acid, B-00023
▷Beclodin, *in* P-00422

Beclometasone, *see* B-00024
▷Beclometasone dipropionate, JAN, *in* B-00024
Beclometasone valeroacetate, *in* B-00024
Beclomethasone, B-00024
Beclosclerin, *in* B-00023
Beclotiamine(1+), B-00025
▷Beclovent, *in* B-00024
Befeniol, *in* B-00132
Befiperide, B-00026
▷Befizal, *see* B-00148
▷Beflavon, *in* O-00036
▷Befunolol, B-00027
Befunolol hydrochloride, JAN, *in* B-00027
Befuraline, B-00028
Beguhexate, *see* B-00048
▷N^4-Behenoyl-1-β-D-arabinofuranosylcytosine, *in* C-00667
▷Behenoylcytarabine, *in* C-00667
BEI 1293, *see* X-00017
▷Bekanamycin, *see* K-00005
BeL 43694A, *in* G-00086
▷Belapo, *see* M-00425
Belarizine, B-00029
▷Belaten, *in* B-00426
▷Belcomycin, *see* C-00536
▷Belganyl, *see* S-00275
Belladonna (Extract), B-00030
▷Belosin, *in* D-00234
Beloxamide, *see* B-00125
▷Belustim, *see* L-00083
▷Belustine, *see* L-00083
Bemarinone, B-00031
Bemarinone hydrochloride, *in* B-00031
Bemarside, *see* A-00209
▷Bemegride, *in* E-00203
▷Bemersal, *see* E-00147
▷Bemetizide, B-00032
▷Bemidone, *see* H-00189
Bemitradine, B-00033
Bemosat, *in* A-00029
▷Benacine, *in* S-00031
▷Benactyzine, B-00034
Benactyzine methobromide, *in* M-00227
▷Benadryl, *in* D-00484
▷Benafed, *in* H-00166
Benafentrine, B-00035
Benanserin, B-00036
Benaprizine, *see* B-00037
Benapryzine, B-00037
▷Benapryzine hydrochloride, *in* B-00037
Benaxibine, *in* X-00025
Benazepril, *in* B-00038
Benazeprilat, B-00038
Benazepril hydrochloride, *in* B-00038
▷Benazoline, *in* M-00347
▷Bencef, *see* P-00363
Bencianol, B-00039
Bencisteine, B-00040
Benclonidine, B-00041
Bencyclane, B-00042
Bendacalol, B-00043
Bendacalol mesylate, *in* B-00043
▷Bendacort, *in* C-00548
Bendalina, *in* B-00167
▷Bendamustine, B-00044
▷Bendazac, *see* B-00167
Bendazina, *in* B-00167
▷Bendazol, *see* B-00107
▷Bendectin, *in* P-00582
Benderizine, B-00045
▷Bendiocarb, B-00046
▷Bendrofluazide, B-00047
▷Bendroflumethiazide, *see* B-00047
▷Bendylate, *in* D-00484
Benecorten, *in* T-00419
▷Benedorm, *see* D-00255
▷Benemid, *see* P-00444
▷Benesal, *see* C-00630
Benetazone, *see* T-00430
▷Benethamine penicillin, *in* B-00126
Benexate, B-00048
Benextramine, B-00049
▷Benfluorex, B-00050
Benfluron, *in* D-00409
Benfosformin, B-00051
▷Benfotiamine, B-00052
Benfuran, *in* B-00027
▷Benfurodil hemisuccinate, B-00053
▷Benhaler, *see* M-00242
▷Benhepazone, *see* B-00110
Benidipine, B-00054
Benisone, *in* B-00141
▷Benmoxin, B-00055
▷Bennie, *in* P-00202
▷Benodaine hydrochloride, *in* P-00294
Benolizime, *in* D-00034
▷Benoquin, *see* B-00124
▷Benoral, *see* B-00057
▷Benorilate, *see* B-00057
▷Benorterone, B-00056
▷Benorylate, B-00057
▷Benovocyclin, *in* O-00028
Benoxafos, B-00058
▷Benoxaprofen, B-00059
▷Benoxil, *in* O-00146
▷Benoxinate hydrochloride, *in* O-00146
▷Benoxyl, *see* D-00161
Benpenolisin, *in* P-00071
▷Benperidol, B-00060
Benproperine, B-00061
Benrixate, B-00062
Bensalan, B-00063
▷Benserazide, B-00064
▷Benserazide hydrochloride, JAN, *in* B-00064
Bensuldazic acid, B-00065
▷Bensylete, *see* B-00104
▷Bensylyt, *see* P-00170
Bentazepam, B-00066
Bentemazole, *in* I-00033
Bentiamine, B-00067
Bentipimine, B-00068
▷Bentiromide, B-00069
▷Bentirosin, *see* B-00069
▷Bentonyl, *in* T-00538
Bentos, *in* B-00027
Bentrofene, *in* A-00008
▷Bentyl, *in* D-00218
Benurestat, B-00070
▷Benuride, *see* P-00153
▷Benvil, *see* T-00577
▷Benylate, *in* B-00092
▷Benylin, *in* H-00166
▷Benzac, *see* D-00161
Benzacin, *in* M-00326
Benzacine, *see* D-00410
▷Benzaldehyde [4-(1,1-dimethylethyl)-6-(1-piperazinyl)-1,3,5-triazin-2-yl]hydrazone, *see* B-00119
▷Benzamelid, *in* A-00216
2-Benzamidobenzoic acid, *in* A-00215
α-Benzamido-*p*-[2-(diethylamino)ethoxy]-*N*,*N*-dipropylhydrocinnamide, *see* T-00323
▷4-Benzamido-*N*,*N*-dipropylglutaramic acid, *see* P-00468
3-Benzamidophenol, *in* A-00297
4-Benzamidophenol, *in* A-00298
4-(Benzamido)salicylic acid, *in* A-00264
▷Benzamine, *in* T-00511
Benzamon, *in* F-00282
▷Benzamycin, *in* D-00161
Benzanidin, *see* B-00114
Benzapas, *in* A-00264
Benzaprinoxide, *in* C-00228
Benzapyrin, *see* A-00211
▷Benzarone, B-00071

▷Benzarsol, *in* H-00190
▷Benzathine benzylpenicillin, *in* B-00126
▷Benzathine penicillin, *in* B-00126
▷Benzatropine, *see* B-00104
▷Benzazide, *in* B-00092
▷Benzazoline, *see* B-00120
▷Benzbromarone, B-00072
Benzcarbimine, *see* B-00091
▷Benzcurine iodide, *in* G-00004
▷Benzedrex, *see* M-00242
▷Benzedrine, *see* P-00202
▷Benzelmin, *see* O-00108
▷Benzeneacetic acid α,α-diethyl-2-[(2-diethylamino)ethoxy]-ethyl ester, *see* O-00101
▷Benzenecarbothioic acid, *see* T-00193
1,3-Benzenedicarbothioic acid *S,S*-diethyl ester, *see* D-00553
▷1,3-Benzenediol, B-00073
▷1,4-Benzenediol, B-00074
▷Benzeneethanol, *see* P-00187
▷Benzene hexachloride, *see* H-00038
▷Benzenepropanol, *see* P-00201
▷2-Benzenesulfonamido-5-(2-methoxyethoxy)pyrimidine, *see* G-00075
▷5-Benzenesulfonamido-1,3,4-thiadiazole-2-sulfonamide, *see* P-00208
▷Benzenesulfonic acid, B-00075
▷1,3,5-Benzenetriol, B-00076
2,2′,2‴-[1,2,3-Benzenetriyltris(oxy)]tris(*N,N*-diethylethanamine), *see* G-00004
Benzerial, *in* G-00098
Benzestrol, B-00077
▷Benzetacil, *in* B-00126
▷Benzetamophylline, *see* B-00011
▷Benzethacil, *in* B-00126
▷Benzethazet, *in* D-00204
Benzethidine BAN, B-00078
Benzethonium(1+), B-00079
▷Benzethonium chloride, *in* B-00079
Benzetidina, *see* B-00078
Benzetimide, B-00080
Benzetimide hydrochloride, *in* B-00080
▷Benzfetamine, *in* B-00115
Benzhexol, B-00081
▷Benzhydroflumethiazide, *see* B-00047
▷Benzhydrylamine penicillin, *in* B-00126
▷Benzhydryl 2-dimethylaminoethyl ether, *see* D-00484
3-Benzhydrylidene-1,1-diethyl-2-methylpyrrolidinium, *see* P-00430
▷*N*-Benzhydryl-*N*′-methylpiperazine, *see* C-00595
(2-Benzhydryloxyethyl)trimethylammonium, *see* M-00064
Benzhydrylsulfinylacetamide, *see* M-00417
▷Benzidazol, *see* B-00120
▷Benzilic acid 2-(diethylamino)ethyl ester, *see* B-00034
Benzilic acid 2-(ethylpropylamino)ethyl ester, *see* B-00037
Benzilonium(1+), B-00082
▷Benzilonium bromide, *in* B-00082
[2-(Benziloyl)ethyl]dimethyloctylammonium, *see* O-00021
▷(2-Benziloyloxyethyl)ethyldimethylammonium, *see* L-00002
2-Benziloyloxymethyl-1,1-dimethylpiperidinium, *see* B-00147
3-Benziloyloxy-1-methylquinuclidinium, *see* C-00425
Benzilylcholine bromide, *in* M-00326
1*H*-Benzimidazole-2-propanoic acid, *see* B-00083
2-Benzimidazolepropionic acid, B-00083
α-[[[3-(1*H*-Benzimidazol-1-yl)-1-methylpropyl]amino]methyl]-4-hydroxy-3-methoxybenzenemethanol, *see* I-00043
3-(2-Benzimidazolyl)propionic acid, *see* B-00083
2-Benzimidazolyl 2-pyridylmethyl sulfoxide, *see* T-00289
Benzindopyrine, B-00084
▷Benzindopyrine hydrochloride, *in* B-00084
▷Benziodarone, B-00085
1,2-Benzisothiazol-3-amine, *see* A-00214
1,2-Benzisothiazolinone, *see* B-00086
1,2-Benzisothiazol-3(2*H*)-one, B-00086
▷1,2-Benzisothiazol-3(2*H*)-one 1,1-dioxide, *see* S-00002
8-[4-[4-(1,2-Benzisothiazol-3-yl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione, *see* T-00304
1,2-Benzisoxazole-3-methanesulfonamide, *in* B-00087
1,2-Benzisoxazole-3-methanesulfonic acid, B-00087
4-[[1,2-Benzisoxazol-3-yl(hexahydro-1*H*-azepin-1-yl)acetyl]-oxy]-1-ethyl-1-methylpiperidinium, *see* B-00131
Benzmalecene, B-00088
▷Benzmethoxazone, *see* C-00303
▷Benznidazole, B-00089
▷Benzoaric acid, *see* E-00026
▷Benzobarbital, *in* E-00218
▷Benzocaine, *in* A-00216
▷Benzocal, *in* H-00190
▷Benzochlorophene, *see* B-00109
Benzoclidine, *in* Q-00035
▷Benzoctamine, B-00090
▷Benzoctamine hydrochloride, *in* B-00090
▷3-(5*H*-Benzo[4,5]cyclohepta[1,2-*b*]pyridyl-5-oxy)tropane, *see* T-00555
Benzodepa, B-00091
▷Benzodioxan-Nordmark, *see* P-00294
1-(1,4-Benzodioxan-2-ylmethyl)-1-benzylhydrazine, *see* D-00575
(1,4-Benzodioxan-2-ylmethyl)guanidine, *see* G-00115
(1,4-Benzodioxan-6-ylmethyl)guanidine, *see* G-00088
8-(1,4-Benzodioxan-2-ylmethyl)-1-phenyl-1,3,8-triazaspiro[4.5]-decane-4-one, *see* S-00132
1-(1,4-Benzodioxan-6-yl)-3-(3-phenyl-1-pyrrolidinyl)-1-propanone, *see* P-00525
4-(1,3-Benzodioxol-4-yl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid ethyl methyl ester, *see* O-00128
▷1-(1,3-Benzodioxol-5-yl)-4,4-dimethyl-1-penten-3-ol, *see* S-00157
1-(1,3-Benzodioxol-5-ylmethyl)-4-[(chlorophenoxy)acetyl]-piperazine, *see* F-00107
N-(1,3-Benzodioxol-5-ylmethyl)-*N*′-[2-[[[5-[(dimethylamino)-methyl]-2-furanyl]methyl]thio]ethyl]-2-nitro-1,1-ethenediamine, *see* N-00153
4-[2-[2-(1,3-Benzodioxol-5-yl)-1-methylethyl]amino]-1-hydroxyethyl-1,2-benzenediol, *see* P-00540
▷5-[(1,3-Benzodioxol-5-yl)methyl]-7-methyl-1,3-dioxolo[4,5-*g*]-isoquinoline, *see* M-00267
5-(1,3-Benzodioxol-5-ylmethyl)-2-[[2-[[(5-methyl-1*H*-imidazol-4-yl)methyl]thio]ethyl]amino]-4(1*H*)-pyrimidinone, *see* O-00124
β-1,3-Benzodioxol-5-yl-α-methyl-4-morpholineethanol, *see* F-00105
10-[[4-(1,3-Benzodioxol-5-ylmethyl)-1-piperazinyl]acetyl]-10*H*-phenothiazine, *see* F-00065
▷2-[4-(1,3-Benzodioxol-5-ylmethyl)-1-piperazinyl]pyrimidine, *see* P-00324
5-[2-[[3-(1,3-Benzodioxol-5-yl)-1-methylpropyl]amino]-hydroxyethyl]-2-hydroxybenzamide, *see* M-00058
▷[3-(1,3-Benzodioxol-5-yl)-1-methylpropyl]hydrazine, *see* S-00003
▷1-(1,3-Benzodioxol-5-ylmethyl)-4-(3,7,11-trimethyl-2,6,10-dodecatrienyl)piperazine, *see* P-00245
1-[3-(1,3-Benzodioxol-5-yl)-1-oxo-2-propenyl]-4-[2-oxo-2-(1-pyrrolidinyl)ethyl]piperazine, *see* C-00379
3-[(1,3-Benzodioxol-4-yloxy)methyl]-4-(4-fluorophenyl)-piperidine, *see* P-00040
Benzodisufene, *in* B-00178
Benzodisuphen, *in* B-00178
Benzododecinium, *see* B-00113
Benzododecinium chloride, *in* B-00113
▷Benzodol, *in* H-00190
▷Benzofoline, *in* O-00028
1-(2-Benzofuranylcarbonyl)-4-(phenylmethyl)piperazine, *see* B-00028
2-Benzofuranyl-4-chlorophenylcarbinol, *see* C-00498
3-(2-Benzofuranyl)-3,4-dihydro-*N,N*-dimethyl-2*H*-pyrrol-5-amine, *see* P-00431
4-(2-Benzofuranyl)-2-(dimethylamino)-1-pyrroline, *see* P-00431

2-[(2-Benzofuranylmethyl)[2-(dimethylamino)ethyl]amino]-pyridine, *see* E-00252
N-(Benzofuran-2-ylmethyl)-*N'*,*N'*-dimethyl-*N*-2-pyridylethanediamine, *see* E-00252
N-[2-[4-(7-Benzofuranyl)-1-piperazinyl]ethyl]-*N*-methyl-4-(1-methylethyl)benzamide, *see* B-00026
4-(2-Benzofuranyl)pyridine, *see* P-00583
4-(4-Benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid methyl 1-methylethyl ester, *see* I-00219
3-Benzofuro[3,2-*c*][1]benzoxepin-6(12*H*)-ylidene-*N*,*N*-dimethyl-1-propanamine, *see* O-00107
Benzo-Ginoestril A.P., *in* O-00028
Benzo-Gynoestryl retard, *in* O-00028
▷Benzohexonium, *in* H-00055
▷Benzoic acid, B-00092
▷Benzoic acid *p*-*N*-dichlorosulfonamide, *see* D-00179
Benzoic acid 2-(1*H*-imidazol-1-yl)ethyl ester, *see* I-00031
▷Benzoic acid 2-(α-methylbenzyl)hydrazide, *see* B-00055
Benzoic acid *p*-sulfonic acid, *see* S-00217
▷Benzoic anhydride, *in* B-00092
▷Benzoic sulfimide, *see* S-00002
▷Benzoin, B-00093
▷Benzolamide, *see* P-00208
▷Benzolin, *see* C-00357
Benzometan, *see* B-00100
▷Benzonal, *in* E-00218
▷Benzonatate, B-00094
▷Benzononatine, *see* B-00094
▷Benzopropamid, *see* B-00022
▷Benzopyranoperidine, *in* N-00003
▷2-(5*H*-[1]Benzopyrano[2,3-*b*]pyridinyl)propanoic acid, *see* P-00400
Benzopyrronium(1+), B-00095
Benzopyrronium bromide, *in* B-00095
▷Benzoquin, *see* B-00124
Benzoquinamide, *see* B-00102
N'-Benzo[*g*]quinolin-4-yl-*N*,*N*-diethyl-1,2-ethanediamine, *see* D-00233
▷1,4-Benzoquinone amidinohydrazone thiosemicarbazone, *see* A-00166
Benzoquinonium(2+), B-00096
▷Benzoquinonium chloride, *in* B-00096
[*p*-Benzoquinon-2,5-ylenebis(iminotrimethylene)]-bis[benzyldiethylammonium], *see* B-00096
▷Benzoral, *in* H-00190
Benzorphanol, *see* L-00039
▷Benzothiazide, *see* B-00103
4-(2-Benzothiazolylmethylamino)-α-[(4-fluorophenoxy)-methyl]-1-piperidineethanol, *see* S-00001
▷2-(2*H*-Benzotriazol-2-yl)-*p*-cresol, *see* H-00172
▷2-(2*H*-Benzotriazol-2-yl)-4-methylphenol, *see* H-00172
1-(1*H*-Benzotriazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]-amino]-2-propanol, *see* T-00427
2-(2*H*-Benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol, *see* O-00027
Benzotript, *in* T-00567
▷4,4'-(3*H*-2,1-Benzoxathiol-3-ylidene)bisphenol *S*,*S*-dioxide, *see* P-00163
▷2*H*-1,3-Benzoxazine-2,4(3*H*)-dione, B-00097
N-(Benzoxazolyl)-*N*-benzyl-*N*,*N*-dimethylethylenediamine, *see* O-00075
N-2-Benzoxazolyl-*N'*,*N'*-dimethyl-*N*-(phenylmethyl-1,2-ethanediamine), *see* O-00075
2-Benzoxazolyl *N*-methyldithio-1-naphthalenecarbamate, *see* N-00026
3-Benzoxazolyl methyl-1-naphthalenylcarbamodithioate, *see* N-00026
Benzoxine, *see* B-00114
▷Benzoxiquine, *in* H-00211
Benzoxonium, *see* B-00117
Benzoxonium chloride, *in* B-00117
▷Benzoxyline, *in* H-00211
α-(Benzoylamino)-4-[2-(diethylamino)ethoxy]-*N*,*N*-dipropyl]-benzenepropanamide, *see* T-00323
α-(Benzoylamino)-4-[3-(diethylamino)propoxy]-*N*,*N*-dipropylbenzenepropanamide, *see* S-00060
2-[4-[3-[(4-Benzoylamino)-5-(dipropylamino)-1,5-dioxopentyl]-oxy]propyl]-1-piperazinyl]ethyl 1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-acetate, *see* P-00467
▷4-(Benzoylamino)-5-(dipropylamino)-5-oxopentanoic acid, *see* P-00468
▷4-[[2-(Benzoylamino)-3-(4-hydroxyphenyl)-1-oxopropyl]-amino]benzoic acid, *see* B-00069
4-(Benzoylamino)phenyl 3-hydroxy-2-[(2-hydroxy-2-methylheptyl)thio]-5-oxocyclopentaneheptanoate, *see* T-00318
▷Benzoylazimide, *in* B-00092
▷(5-Benzoyl-1*H*-benzimidazol-2-yl)carbamic acid methyl ester, *see* M-00031
Benzoyl bromide, *in* B-00092
Benzoylcarbinol, *see* H-00107
▷Benzoyl chloride, *in* B-00092
2'-Benzoyl-4'-chloro-2-[(2-hydroxyethyl)methylamino]-*N*-methylacetanilide, *see* O-00095
2'-Benzoyl-4'-chloro-*N*-methyl-2-[(2-methylallyl)amino]-acetanilide, *see* D-00465
N-[2-[(2-Benzoyl-4-chlorophenyl)amino]-2-oxoethyl]-*N*-(carboxymethyl)glycine, *see* A-00437
N-[*N'*-(2-Benzoyl-4-chlorophenyl)carbamoylmethyl]-iminodiacetic acid, *see* A-00437
N-(2-Benzoyl-4-chlorophenyl)-2-[(2-hydroxyethyl)-methylamino]-*N*-methylacetamide, *see* O-00095
N-(2-Benzoyl-4-chlorophenyl)-*N*-methyl-2[(2-methyl-2-propenyl)amino]acetamide, *see* D-00465
1-Benzoyl-2-(2,6-dichloroanilino)-2-imidazoline, *see* B-00041
1-Benzoyl-*N*-(2,6-dichlorophenyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* B-00041
▷3'-Benzoyl-1,1-difluoromethanesulfanilide, *see* D-00271
5-Benzoyl-2,3-dihydro-6-hydroxy-1*H*-indene-1-carboxylic acid, *see* O-00116
5-Benzoyl-2,3-dihydro-1*H*-pyrrolizine-1-carboxylic acid, *see* K-00019
Benzoylecgonine methyl ester, *see* C-00523
α-Benzoylethylamine, *see* A-00309
▷1-Benzoyl-5-ethyl-5-phenylbarbituric acid, *in* E-00218
Benzoyl fluoride, *in* B-00092
▷*m*-Benzoylhydratropic acid, *see* K-00017
5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid, B-00098
Benzoyl iodide, *in* B-00092
▷3-Benzoyl-α-methylbenzeneacetic acid, *see* K-00017
1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
3-Benzoyl-α-methyl-*N*-(4-methyl-2-pyridinyl)benzeneacetamide, *see* P-00250
m-Benzoyl-*N*-(4-methyl-2-pyridyl)hydratropamide, *see* P-00250
▷5-Benzoyl-α-methyl-2-thiopheneacetic acid, *see* B-00099
Benzoylmetronidazole, *in* M-00344
1-Benzoyl-3-[1-(2-naphthylmethyl)-4-piperidyl]urea, *see* P-00017
▷17-(Benzoyloxy)androstan-3-one, *in* H-00109
3-Benzoyloxy-22-hydroxy-4-methyl-5α-stigmast-7-en-6-one, *see* C-00094
4-[(Benzoyloxy)methyl]-3,8-dioxatricyclo[5.1.0.0^{2,4}]-octane-5,6-diol diacetate, *see* C-00568
9-[(Benzoyloxy)methyl-1-(β-D-glucopyranosyloxy)-4-hydroxy-6-methyl-7-oxatricyclo[4.3.0.0^{3,9}]nonan-8-one, *see* A-00097
Benzoylpas calcium, *in* A-00264
▷Benzoyl peroxide, *see* D-00161
▷*N*-(3-Benzoylphenyl)-1,1-difluoromethanesulfonamide, *see* D-00271
▷1-Benzoyl-2-(1-phenylethyl)hydrazine, *see* B-00055
▷4-Benzoylresorcinol, *see* D-00318
▷Benzoyl superoxide, *see* D-00161
9-Benzoyl-2,3,4,9-tetrahydro-6-methoxy-1*H*-carbazole-3-carboxylic acid, *see* O-00093
6-Benzoyl-5,6,7,8-tetrahydropyrido[4,3-*c*]pyridazine-3(2*H*)-one 3-hydrazone, *see* E-00050
▷*O*-Benzoylthiamine disulfide, *see* B-00194

▷Benzoylthiamine monophosphate, *see* B-00052
▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
N-[*N*-[*N*-[(Benzoylthio)acetyl]glycylglycylglycine, *see* B-00144
1-[3-(Benzoylthio)-2-methyl-1-oxopropyl]-4-(phenylthio)-L-proline, *see* Z-00025
N-[2-(Benzoylthio)-1-oxopropyl]glycine 2,6-pyridinediyl-bis(methylene)ester, *see* D-00159
▷4-(*N*-Benzoyltyrosylamino)benzoic acid, *see* B-00069
S-(Benzoylvinyl)thiamine, *see* V-00044
Benzperidine, *see* P-00114
▷Benzperidol, *see* B-00060
▷Benzphetamine, *in* B-00115
Benzpiperylone, B-00100
Benzpyrinium(1+), B-00101
▷Benzpyrinium bromide, *in* B-00101
Benzquercin, *in* P-00082
Benzquinamide, B-00102
Benzstigminium(1+), *see* B-00101
▷Benzthiazide, B-00103
▷Benztropine, B-00104
▷Benztropine mesilate, JAN, *in* B-00104
▷Benztropine mesylate, *in* B-00104
▷Benzum, *see* B-00167
▷Benzydamine, B-00105
▷Benzydamine hydrochloride, *in* B-00105
o-(*N*-Benzylacetimidoyl)phenol, *see* B-00121
[(Benzylamidino)amidino]phosphoramidic acid, *see* B-00051
▷4-(Benzylamino)-2-methyl-7*H*-pyrrolo[2,3-*d*]pyrimidine, *see* R-00079
N-Benzylanilinoacetamidoxime, *see* C-00186
1-[2-(*N*-Benzylanilino)ethyl]pyrrolidine, *see* H-00078
1-[2-(*N*-Benzylanilino)-1-(isobutoxymethyl)ethyl]pyrrolidine, *see* B-00134
▷2-[(*N*-Benzylanilino)methyl]-2-imidazoline, *see* A-00400
▷4-(*N*-Benzylanilino)-1-methylpiperidine, B-00106
4-Benzylanisole, *in* B-00127
Benzylantiserotonin, *see* B-00036
▷2-Benzylbenziimidazole, B-00107
▷Benzyl benzoate, *in* B-00092
1-Benzyl-4-(2-benzofurancarbonyl)piperazine, *see* B-00028
Benzyl [bis(1-aziridinyl)phosphinyl]carbamate, *see* B-00091
▷4-Benzyl-3-butylamino-5-sulfamoylbenzoic acid, B-00108
N-(2-Benzylcarbamoylethyl)-*N'*-isonicotinoylhydrazine, *see* N-00082
▷Benzylcarbinol, *see* P-00187
▷2-Benzyl-4-chlorophenol, B-00109
▷*N*-Benzyl-3-chloropropionamide, *see* B-00022
▷1-Benzyl-2(1*H*)-cycloheptimidazolone, B-00110
3-[(1-Benzylcycloheptyl)oxy]-*N*,*N*-dimethylpropylamine, *see* B-00042
N-Benzylcyclopropylcarbamic acid, *see* C-00636
2-Benzyl-4-(diethylamino)butanoic acid, B-00111
Benzyldiethyl-2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-ethylammonium, *see* O-00015
Benzyldiethyl[(2,6-xylylcarbamoyl)methyl]ammonium, *see* D-00070
▷2-Benzyldihydroglyoxaline, *see* B-00120
5-Benzyl-4,5-dihydro-4-oxo-1*H*-1,2,5-benzotriazepine-3-carboxamidoxine, *see* T-00543
α-Benzyl-5,6-dihydro-2*H*-pyran-3-methanol, B-00112
5-Benzyldihydro-6-thioxo-2*H*-1,3,5-thiadiazine-3(4*H*)-acetic acid, *see* B-00065
2-[Benzyl[(2-dimethylamino)ethyl]amino]benzoxazole, *see* O-00075
4-Benzyl-2-[2-(dimethylamino)ethyl]-1(2*H*)-phthalazinone, *see* T-00006
4-Benzyl-1-[2-(dimethylamino)ethyl]piperidine, *see* P-00258
1-Benzyl-1-(3-dimethylaminopropoxy)cycloheptane, *see* B-00042
▷1-Benzyl-2-(3-dimethylaminopropoxy)indazole, *see* B-00105
2-Benzyl-3-[[3-(dimethylamino)propyl]thio]-2*H*-indazole, *see* D-00024
Benzyldimethyldodecylammonium(1+), B-00113
1-Benzyl-2,3-dimethylguanidine, B-00114
N-Benzyl-*N*,α-dimethylphenethylamine, B-00115
N-Benzyl-*N*,α-dimethylphenethylamine *N*-oxide, *see* O-00112
▷*N*-Benzyl-*N'*,*N'*-dimethyl-*N*-phenylethylenediamine, *see* A-00402
▷*N*-Benzyl-*N'*,*N'*-dimethyl-*N*-2-pyridylethylenediamine, *see* T-00524
Benzyldimethyl(tetradecyl)ammonium(1+), B-00116
Benzyldimethyl[2-[2-(*p*-1,1,3,3-tetramethylbutylphenoxy)-ethoxy]ethyl]ammonium, *see* B-00079
Benzyldimethyl-[2-[2-[[4-(1,1,3,3-tetramethylbutyl)tolyl]-oxy]-ethoxy]ethyl]ammonium, *see* M-00229
1-Benzyl-4-(2,6-dioxo-3-phenyl-3-piperidyl)piperidine, *see* B-00080
Benzyldodecylbis(2-hydroxyethyl)ammonium(1+), B-00117
Benzyl[(dodecylcarbamoyl)methyl]dimethylammonium, *see* M-00147
▷1-Benzylethylamine, *see* P-00202
7-Benzyl-1-ethyl-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxy, *see* A-00185
1-Benzyl-3-ethyl-6,7-dimethoxyisoquinoline, *see* M-00461
▷8-Benzyl-7-[2-(*N*-ethyl-2-hydroxyethylamino)ethyl]theophylline, *see* B-00011
▷α-Benzyl-*N*-ethyltetrahydrofurfurylamine, *see* Z-00040
o-(*N*-Benzylformimidoyl)phenol, *see* N-00220
▷5-Benzyl-3-(furylmethyl)chrysanthemate, *see* R-00031
Benzylhexadecyldimethylammonium(1+), B-00118
Benzyl 1-[2-(hexahydro-1*H*-azepin-1-yl)ethyl]-2-oxocyclo-hexanecarboxylate, *see* A-00188
▷3-(2-Benzylhydrazinocarbonyl)-5-methylisoxazole, *see* I-00181
▷4-Benzyl-α-(*p*-hydroxyphenyl)-β-methyl-1-piperidineethanol, *see* I-00020
1-Benzyl-3-hydroxypyridinium dimethylcarbamate(1+), *see* B-00101
2-Benzylidenecycloheptanone *O*-[2-(diisopropylamino)ethyl]-oxime, *see* S-00158
1-[2-Benzylidenecyclohexyl]azetidine, *see* T-00038
4,6-*O*-Benzylidene-D-glucitol, *in* G-00054
▷2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine, B-00119
4-Benzylidene-5,6,7,8-tetrahydro-1,3(2*H*,4*H*)-isoquinolinedione, *see* T-00099
▷2-Benzyl-2-imidazoline, B-00120
2-[1-(Benzylimino)ethyl]phenol, B-00121
▷1-Benzyl-1*H*-indazol-3-yl 3-dimethylaminopropyl ether, *see* B-00105
▷[(1-Benzyl-1*H*-indazol-3-yl)oxy]acetic acid, *see* B-00167
N-Benzyl-*N*-(3-isobutoxy-2-pyrrolidin-1-ylpropyl)aniline, *see* B-00134
▷Benzyl isothiocyanate, B-00122
Benzyl[2-[*p*-(lauroyl)phenoxy]ethyl]dimethylammonium, *see* L-00014
α-Benzyl-β-methyl-α-phenyl-1-pyrrolidinepropanol acetate, *see* P-00599
4-Benzyl-1-(1-methyl-4-piperidinyl)-3-phenyl-3-pyrazolin-5-one, *see* B-00100
Benzylmorphine myristate, *see* M-00477
▷Benzyl mustard oil, *see* B-00122
▷*N*-Benzyl-2-nitroimidazole-1-acetamide, *see* B-00089
N-(8-Benzylnortropan-3-yl)-*o*-veratramide, *see* T-00548
▷1-Benzyl-2-oxocyclohexanepropionic acid, B-00123
p-Benzyloxyanisole, *in* B-00124
7-(Benzyloxy)-6-*n*-butyl-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid methyl ester, *see* M-00232
1-(2-Benzyloxyethyl)norpethidine, *see* B-00078
4-[β-(Benzyloxy)phenethyl]morpholine, *see* D-00496
▷4-(Benzyloxy)phenol, B-00124
N-(Benzyloxy)-*N*-(3-phenylpropyl)acetamide, B-00125
▷Benzylpenicillin, B-00126
4-Benzylphenetole, *in* B-00127
▷4-Benzylphenol, B-00127
▷2-Benzylphenol 2-dimethylaminoethyl ether, *see* P-00210
1-[2-(2-Benzylphenoxy)-1-methylethyl]piperidine, *see* B-00061
Benzylphthalazone, *see* T-00006

1-Benzyl-4-picolinoylpiperazine, *see* P-00229
▷2-(4-Benzylpiperidino)-1-(4-hydroxyphenyl)-1-propanol, *see* I-00020
3-Benzylpyrido[3,4-*e*]-1,2,4-triazine, B-00128
1-Benzyl-3-[2-(4-pyridyl)ethyl]indole, *see* B-00084
Benzylsulfamide, B-00129
N^4-Benzylsulfanilamide, *see* B-00129
3-*O*-Benzyl-6-tetradecanoylmorphine, *see* M-00477
5-Benzyl-2,3,4,5-tetrahydro-2-methyl-1*H*-pyrido[4,3-*b*]indole, *see* M-00035
▷1-Benzyl-1,2,3,4-tetrahydronorharman, *see* B-00130
▷1-Benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole, B-00130
▷3-[(Benzylthio)methyl]-6-chloro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00103
▷Benzytol, *see* C-00235
Beperidium(1+), B-00131
Beperidium iodide, *in* B-00131
▷Bephen, *see* D-00084
Bephenium(1+), B-00132
Bephenium embonate, *in* B-00132
Bephenium hydroxynaphthoate, *in* B-00132
Bephenium pamoate, *in* B-00132
Bepiastine, B-00133
Bepridil, B-00134
▷Bepridil hydrochloride, *in* B-00134
▷Béprocin, *see* B-00194
▷Berachin, *in* B-00426
▷Berberine, B-00135
Berculon *B*, *see* S-00170
▷Berenil, *in* B-00187
▷Berkfurin, *see* N-00178
▷Berkmycen, *see* O-00166
▷Bermoprofen, B-00136
▷Bermosol, *see* A-00096
Bernzamide, B-00137
Berofor alpha 2, *in* I-00079
▷Beromycin, *in* P-00171
▷Berotec, *in* F-00064
▷Bersen, *see* A-00173
▷Berythromycin, *see* E-00116
Besedan, *in* C-00198
▷Bespar, *see* B-00378
▷Bestatin, B-00138
▷Bestcall, *in* C-00130
▷Beston, *see* B-00194
Beston, *in* T-00174
Bestopal, *in* C-00354
▷Bestrabucil, *in* C-00194
Bestrabucil, *in* O-00028
Besulpamide, B-00139
▷Besunide, *see* B-00108
Beta 21, *in* B-00141
Betaacetylmethadol, *in* M-00162
Betabactyl, *in* C-00410
Betabloc, *see* B-00403
▷Betacaine, *in* T-00511
Betacaine mandelate, *see* E-00267
▷Beta-Cardone, *in* S-00106
Betacarotene, *see* C-00088
Betacemethadone, *in* M-00162
Beta-Chlor, *in* T-00433
Betacor, *in* C-00181
▷Betades, *in* S-00106
▷Betadexamethasone, *see* B-00141
▷Betadid, *see* B-00335
▷Betadine, *in* P-00393
Betadival, *in* B-00141
▷Betadol, *see* N-00006
▷Betadran, *in* B-00369
▷Betadrenol, *in* B-00369
▷Betaeucaine, *in* T-00511
Betafluorene, *in* B-00141
Betagan, *in* B-00365
Betagon, *in* M-00097
▷Betahistine, *see* M-00220
Betahistine hydrochloride, *in* M-00220
▷Betaine, B-00140
Betaine hydrochloride, *in* B-00140
▷Betalin *S*, *in* T-00174
Betaloc, *in* M-00334
Betameprodine, *in* M-00105
▷Betametasone, *see* B-00141
▷Betamethadol, *in* M-00162
▷Betamethasone, B-00141
Betamethasone acetate, JAN, *in* B-00141
Betamethasone acibutate, *in* B-00141
Betamethasone adamantoate, *in* B-00141
Betamethasone benzoate, *in* B-00141
▷Betamethasone dipropionate, *in* B-00141
Betamethasone divalerate, *in* B-00141
Betamethasone salicylate, *in* B-00141
▷Betamethasone sodium phosphate, *in* B-00141
Betamethasone succinate, *in* B-00141
▷Betamethasone valerate, *in* B-00141
Betamethasone valeroacetate, *in* B-00141
▷Betamezid, *see* P-00365
▷Betamicin, *see* G-00017
Betamicin sulfate, *in* G-00017
Betanidine, *see* B-00114
▷Betanidine sulfate, JAN, *in* B-00114
Betanidol, *see* B-00114
Betanitran, *see* B-00411
▷Betanol, *see* M-00322
▷Betapar, *in* D-00336
▷Betapred, *in* D-00336
▷Betapressin, *in* P-00059
Betaprodine, *in* P-00460
▷Betaprone, *see* O-00105
Betarin, *see* C-00529
▷Betaryl, *in* P-00514
▷Betasone, *in* B-00141
▷Betasone, *in* B-00141
▷Betavel, *see* C-00517
▷Betaxin, *in* T-00174
Betaxolol, B-00142
▷Betaxolol hydrochloride, *in* B-00142
Betazole, *see* A-00256
▷Betazole hydrochloride, JAN, *in* A-00256
Bethanechol(1+), B-00143
Bethanid, *see* B-00114
Bethanidine, *see* B-00114
▷Bethanidine sulfate, *in* B-00114
▷Bethoxycaine, *see* B-00145
Betiatide, B-00144
▷Betiral, *see* O-00058
▷Betivina, *see* B-00052
▷Betnesol, *in* B-00141
▷Betnovate, *in* B-00141
▷Betoptic, *in* B-00142
▷Betoxycaine, B-00145
▷Betrilol, *see* B-00364
Betsovet, *in* B-00141
Bevantolol, B-00146
▷Bevantolol hydrochloride, *in* B-00146
▷Beveno, *see* B-00218
Bevonium(1+), B-00147
▷Bevonium methylsulfate, *in* B-00147
▷Bevonium metilsulfate, *in* B-00147
▷Bewon, *in* T-00174
Bexedan, *in* C-00198
Bexilona, *in* D-00267
▷Bexopron, *see* B-00059
▷Bezafibrate, B-00148
▷Bezalip, *see* B-00148
▷Bezitramide, B-00149
▷Bezonase, *in* B-00024
BFF-60, *in* B-00027
bFGF, *see* F-00104
BG 8301, *in* I-00081
BH 135, *see* T-00363
▷BH-Ac, *in* C-00667

▷BHB, *in* B-00425
BHC, *see* B-00049
B-HT 933CL2, *see* A-00516
BI 27062, *see* L-00101
Bialamicol, B-00150
▷Bialamicol hydrochloride, *in* B-00150
▷Bialatan, *see* M-00161
Bialcol, *in* B-00117
Biallylamicol, *see* B-00150
▷Biarison, *see* P-00522
▷Biarsan, *see* P-00522
Bibenzonium(1+), B-00151
Bibenzonium bromide, *in* B-00151
Bibrocathin, *see* B-00152
Bibrocathol, B-00152
▷BIC, *see* I-00030
Bicarphene, *see* S-00044
Bicetonium, *see* B-00118
▷Bichol, *see* O-00066
Bicifadine, *see* M-00285
Bicifadine hydrochloride, *in* M-00285
Biclodil, B-00153
Biclodil hydrochloride, *in* B-00153
Biclofibrate, B-00154
Biclotymol, B-00155
Bicol, *in* E-00193
Bicor, *in* D-00489
Bicordin, *in* D-00531
▷Bicozamycin, *see* B-00158
▷Bicuculline, B-00156
Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, B-00157
▷3-[Bicyclo[2.2.1]hept-5-en-2-yl]-6-chloro-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* C-00639
2-(1-Bicyclo[2.2.1]hept-5-en-2-yl-1-phenylethoxy)-*N*,*N*-diethyl-*N*-methylethanaminium, *see* C-00330
▷α-Bicyclo[2.2.1]hept-5-en-2-yl-α-phenyl-1-piperidinepropanol, *see* B-00175
γ-Bicyclo[2.2.1]hept-2-ylidene-*N*,*N*-dimethylbenzenepropanamine, *see* H-00031
1-(2-Bicyclo[2.2.1]hept-2-ylphenoxy)-3-[(1-methylethyl)amino]-2-propanol, *see* B-00256
[1,1′-Bicyclohexyl]-1-carboxylic acid 2-(diethylamino)ethyl ester, *see* D-00218
▷Bicyclomycin, B-00158
p-BIDA, *see* B-00405
Bidimazium(1+), B-00159
Bidimazium iodide, *in* B-00159
Bidizole, *see* S-00255
Bietamiverine, B-00160
▷Bietaserpine, *in* R-00029
Bifazole, *see* B-00164
Bifemelane, B-00161
Bifenabid, *see* P-00445
▷Bifencillin, *see* D-00485
▷Bifene, *see* B-00181
Bifepramide, B-00162
Bifiteral, *see* L-00005
Bifluranol, B-00163
Bifonazole, B-00164
▷Bifuran, *in* N-00177
▷Bigitaligenin, *in* T-00474
▷Bigitalin, *in* T-00474
Biglumid, *see* T-00003
▷Bigumal, *see* C-00204
Bikarfen, *see* S-00044
▷Bikaverin, B-00165
▷Biklin, *in* A-00196
Bilagen, *in* T-00508
▷Bilagnost, *in* T-00142
Bilagol, *in* D-00366
Bildux, *see* V-00009
▷Bilevon *M*, *see* N-00092
▷Bilevon *R*, *see* N-00092
▷Bilibyk, *see* I-00091
Bilidia, *see* C-00618
Biligen, *in* F-00040
Bilignost, *see* I-00097
▷Biligram, *in* I-00115
▷Bilimin, *in* I-00129
▷Bilimiro, *see* I-00132
▷Bilimiron, *see* I-00132
Bilimix, *in* E-00193
▷Bilineurine, *see* C-00308
▷Biliodyl, *see* P-00160
Bili-oral, *see* B-00363
Biliphorin, *in* T-00508
▷Biliscopin, *see* I-00145
▷Bilisectan, *see* I-00100
▷Biliserve, *see* P-00310
Bilitec, *see* M-00038
▷Bilivison, *in* I-00115
▷Bilivist, *in* I-00129
▷Bilopaque, *in* T-00581
▷Biloptin, *in* I-00129
▷Biltricide, *see* P-00406
▷Bilup, *see* T-00479
Bilyn, *see* F-00121
▷Bimolane, B-00166
Bina-Skin, *in* H-00205
Binazine, *in* T-00338
▷Bindazac, B-00167
▷Binedaline, B-00168
Binfloxacin, B-00169
Binifibrate, B-00170
Biniwas, *see* B-00170
Binizolast, B-00171
▷Bio. 66, *see* P-00417
▷Bioallethrin, *in* A-00124
▷Biocarbazine R, *see* D-00001
Biochanin A, *see* D-00330
Biocidan, *in* C-00182
▷Biofusal, *see* F-00301
▷Bio-Galup, *see* M-00096
▷Biogastrone acid, *see* G-00072
▷Bio-Gro, *see* S-00017
▷Biomioran, *see* C-00218
▷Biomycin, *see* A-00476
▷Bio-Phylline, *see* E-00253
Bioplan, *see* M-00072
Biopropazepan bis(3,4,5-trimethoxybenzoate), *see* D-00370
Biopterin, B-00172
▷Bioquin, *see* H-00211
▷Bioresmethrin, *in* R-00031
▷Biosone, *see* G-00072
▷Biospal, *see* D-00232
▷Biosupressin, *see* H-00220
▷Biotamin, *see* B-00052
Biotamin S, *see* A-00010
▷Bioterciclin, *see* D-00064
▷Biotertussin, *in* C-00438
▷Biotexin, *see* N-00228
Biotin, B-00173
Biotinin, *in* T-00176
Biotussal, *see* A-00188
▷Biouren, *see* C-00070
Bipasmin, *see* P-00035
Bipenamol, B-00174
Bipenamol hydrochloride, *in* B-00174
Bipenquinate, *see* B-00269
Bipenquinate sodium, *in* B-00269
▷Biperiden, B-00175
Biphenabid, *see* P-00445
▷Biphenal, *see* H-00189
Biphenamine, *see* X-00010
Biphenamine hydrochloride, *in* X-00010
▷Biphenicillin, *see* D-00485
4-Biphenylacetic acid, B-00176
4,4′-Biphenyldiglyoxaldehyde, B-00177
3,3′-[(1,1′-Biphenyl)-4,4′-diylbis(azo)]bis[4-amino-1-naphthalenesulfonic acid], *see* C-00541
2,2′-[[1,1′-Biphenyl]-4,4′-diylbis(sulfonylimino)]-bis[*N*,*N*,*N*-trimethylethanaminium, *see* B-00178

[4,4′-Biphenylenebis(sulfonyliminoethylene)]-bis(trimethylammonium)(2+), B-00178

p-Biphenylylacetic acid, *see* B-00176

▷2-(4-Biphenylyl)butanoic acid, B-00179

▷6-[[(1,1′-Biphenyl)-2-ylcarbonyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* D-00485

3-(4-Biphenylylcarbonyl)-2-methylpropionic acid, *see* M-00157

▷3-(4-Biphenylylcarbonyl)propionic acid, *see* B-00181

1-[(1,1′-Biphenyl)-4-yl(2-chlorophenyl)methyl]-1*H*-imidazole, *see* L-00077

4-(4-Biphenylyl)-2-[*p*-(dimethylamino)styryl]-3-methylthiazolium, *see* B-00159

4-(4-Biphenylyl)-3-ethyl-2-(*p*-1-pyrrolidinylstyryl)thiazolium, *see* P-00424

2-(4-Biphenylyl)-4-hexenoic acid, B-00180

7-[5-[(1,1′-Biphenyl)-4-ylmethoxy]-3-hydroxy-2-(1-piperidinyl)-cyclopentyl]-4-heptenoic acid, *see* V-00011

4-Biphenylyl methylcarbamate, *see* P-00045

8-([1,1′-Biphenyl]-4-ylmethyl)-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, *see* X-00011

▷4-(4-Biphenylyl)-4-oxobutanoic acid, B-00181

8-[2-(1,1′-Biphenyl)-4-yl-2-oxoethyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, *see* F-00081

1-[[4-[([1,1′-Biphenyl]-4-yloxy)methyl]-2-(2,4-dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1*H*-imidazole, *see* D-00563

▷2-Biphenylyl penicillin, *see* D-00485

4-[1,1′-Biphenyl-4-yl]-3-penten-2-one, B-00182

1-([1,1′-Biphenyl]-4-ylphenylmethyl)-1*H*-imidazole, *see* B-00164

2,2′-([4,4′-Bipiperidine]-1,1′-diyldi-2,1-ethanediyl)-bis[10-methoxy-7*H*-pyrido[4,3-*c*]carbazolium(2+), *see* D-00546

Biprofenide, *see* B-00162

▷BIQ 16, *in* H-00023

▷Biradon, *see* H-00061

Biriperone, B-00183

▷Birlane, *see* C-00203

Birodan, *see* T-00231

7-*epi*-α-Bisabolol, *in* B-00184

▷α-Bisabolol, B-00184

▷Bis(4-acetamidophenyl)sulfone, *in* D-00129

Bis(acetato)tetrakis[gluconato(2−)]bis[salicylato(2−)]-dialuminate, B-00185

1,3-Bis(acetylamino)-*N*,*N*′-bis[3,5-bis(2,3-dihydroxypropylaminocarbonyl)-2,4,6-triiodophenyl]-2-hydroxypropane, *see* I-00099

1-[[[[3,5-Bis(acetylamino)-2,4,6-triiodobenzoyl]-methylamino]-acetyl]methylamino]-1-deoxy-D-glucitol, *see* I-00133

4,4′-[3α,17β-Bis(acetyloxy)-5α-androstane-2β,16β-diyl]-bis[1,1-dimethylpiperazinium], *see* P-00277

[3,17-Bis(acetyloxy)androstane-2,16-diyl]bis(1-methylpiperidinium), *see* P-00012

2,3-Bis(acetyloxy)benzoic acid, *in* D-00315

2,6-Bis(acetyloxy)-*N*-[3,5-bis(trifluoromethyl)phenyl]-3-nitrobenzamide, *see* F-00216

2,2-Bis[4-(acetyloxy)phenyl]-2*H*-1,4-benzoxazin-3(4*H*)-one, *in* B-00234

1-[3,17-Bis(acetyloxy)-2-(1-piperidinyl)androstan-16-yl]-1-methylpiperidinium(1+), *see* V-00014

1α,7α-Bis(acetylthio)-17β-hydroxy-17α-methylandrost-4-en-3-one, *see* T-00205

▷Bisacodyl, B-00186

▷Bisacodyl tannex, USAN, *in* B-00186

▷2,4-Bis(allylamino)-6-[4-[bis(*p*-fluorophenyl)methyl]-1-piperazinyl-*s*-triazine, *see* A-00139

1,4-Bis(4-amidinophenoxy)hexane, *see* H-00058

1,3-Bis(4-amidinophenyl)triazene, B-00187

▷Bis(2-aminoethyl)amine, *see* D-00245

▷Bis(2-aminoethyl) disulfide, B-00188

▷*N*,*N*′-Bis(2-aminoethyl)-1,2-ethanediamine, *see* T-00457

N,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)-1,3,5-triazin-2,4,6-triamine, B-00189

▷*N*,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)urea, B-00190

N[1],*N*[2]-Bis(4-amino-2-methyl-6-quinolyl)melamine, *see* B-00189

▷Bis(3-aminophenyl) sulfone, *see* D-00128

▷Bis(4-aminophenyl) sulfone, *see* D-00129

▷1,3-Bis(4-amino-6-quinaldyl)urea, *see* B-00190

Bisantrene, B-00191

Bisantrene hydrochloride, *in* B-00191

Bisaramil, B-00192

▷*P*,*P*-Bis(1-aziridinyl)-*N*-[2-(dimethylamino)-7-methyl-7*H*-purin-6-yl]phosphinic amide, *see* P-00556

▷2,5-Bis(1-aziridinyl)-3,6-dipropoxy-*p*-benzoquinone, *see* I-00075

▷2,5-Bis(1-aziridinyl)-3,6-dipropoxy-2,5-cyclohexadiene-1,4-dione, *see* I-00075

P,*P*-Bis(aziridin-1-yl)-*N*-ethyl-*N*-1,3,4-thiadiazol-2-yl-phosphinamide, *see* A-00517

▷2,5-Bis(1-aziridinyl)-3-(2-hydroxy-1-methoxyethyl)-6-methyl-*p*-benzoquinone carbamate, *see* C-00063

N-[Bis(1-aziridinyl)phosphinyl]-*N*′-2-naphthalenylurea, *see* D-00464

▷*P*,*P*-Bis(1-aziridinyl)-*N*-2-pyrimidinylphosphinic amide, *see* P-00214

Bisbendazole, B-00193

▷Bisbentiamine, B-00194

Bis-Bil, *in* E-00193

▷*N*,*N*-Bis[2-[bis(carboxymethyl)amino]ethyl]glycine, *see* P-00094

2′,7′-Bis[[bis(carboxymethyl)amino]methyl]fluorescein, *see* O-00033

▷2,6-Bis[*N*,*N*-bis(2-hydroxyethyl)amino]-4-piperidinopyrimido[5,4-*d*]pyrimidine, *see* M-00433

3,12-Bis(3-bromo-1-oxopropyl)-3,12-diaza-6,9-diazoniadispiro[5.2.5.2]hexadecane, *see* D-00169

▷1,4-Bis(3-bromo-1-oxopropyl)piperazine, B-00195

▷1,4-Bis(3-bromopropionyl)piperazine, *see* B-00195

Bisbutiamine, *in* T-00174

1,3-Bis(3-butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid dicarbamate, *see* D-00260

Bisbutythiamine, *in* T-00174

▷2,2-Bis(carbamoyloxymethyl)-3-methylpentane, *see* M-00039

▷2,2-Bis(carbamoyloxymethyl)pentane, *see* M-00104

▷3,12-Bis(carboxymethyl)-6,9-dioxa-3,12-diazatetradecanedioic acid, B-00196

▷*p*-[Bis(carboxymethylmercapto)arsino]benzamide, *see* A-00450

4,4′-Bis(chloroacetyl)diphenyl ether, *see* C-00453

▷1,3-Bis[(*p*-chlorobenzylidene)amino]guanidine, *see* R-00069

▷4-[Bis(2-chloroethyl)amino]benzenebutanoic acid, *see* C-00194

▷2-Bis(2-chloroethyl)amino-3-chloroethyltetrahydro-2*H*-1,3,2-oxazaphosphorine 2-oxide, *see* T-00469

▷1,6-Bis[(2-chloroethyl)amino]-1,6-dideoxy-D-mannitol, *see* M-00019

▷3-[2-[Bis(2-chloroethyl)amino]ethyl]-1,3-diazaspiro[4.5]-decane-2,4-dione, *see* S-00124

N-[3-[Bis(2-chloroethyl)amino]-*N*-(4-fluoro-L-phenylalanyl)-L-phenylalanyl)-L-methionine ethyl ester, *see* A-00165

p-[Bis(2-chloroethyl)amino]-α-isopropylphenaceturic acid ethyl ester, *see* P-00140

▷5-[Bis(2-chloroethyl)amino]-1-methyl-1*H*-benzimidazole-2-butanoic acid, *see* B-00044

6-[Bis(2-chloroethyl)amino]-17-methyl-4,5-epoxymorphinan-3,14-diol, *see* C-00291

p-[Bis(2-chloroethyl)amino]-α-[2-(methylthio)ethyl]-phenaceturic acid ethyl ester, *see* P-00142

4-[[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl]amino]-benzoic acid, *see* P-00021

N-[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl-L-histidine methyl ester, *see* H-00076

N-[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl-L-methionine ethyl ester, *see* P-00142

N-[[4-[Bis(2-chloroethyl)amino]phenyl]acetyl]valine ethyl ester, *see* P-00140

▷3-[Bis(2-chloroethyl)amino]phenylalanine, *see* M-00149

4-[Bis(2-chloroethyl)amino]phenylalanine, *see* M-00084

▷21-[4-[4-[Bis(2-chloroethyl)amino]phenyl]-1-oxobutoxy]-11β,17-dihydroxypregna-1,4-diene-3,20-dione, *see* P-00411

▷5-[Bis(2-chloroethyl)amino]-2,4(1*H*,3*H*)-pyrimidinedione, B-00197

2-[[2-[Bis(2-chloroethyl)amino]tetrahydro-2*H*-1,3,2-oxazaphosphorin-4-yl]thio]ethanesulfonic acid *P*-oxide, *see* M-00004

▷5-[Bis(2-chloroethyl)amino]uracil, *see* B-00197

Bis(2-chloroethyl)carbamic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, *in* D-00257

▷*N*,*N*-Bis(2-chloroethyl)-4-methoxy-3-methyl-1-naphthalenamine, *see* M-00399

▷*N*,*N*-Bis(2-chloroethyl)-4-methoxy-3-methyl-1-naphthylamine, *see* M-00399

▷*N*,*N*-Bis(2-chloroethyl)-2-naphthalenamine, *see* B-00198

▷*N*,*N*-Bis(2-chloroethyl)-2-naphthylamine, B-00198

▷*N*,*N*′-Bis(2-chloroethyl)-*N*-nitrosourea, B-00199

▷*N*,*N*-Bis(2-chloroethyl)tetrahydro-2*H*-1,3,2-oxazaphosphorin-2-amine 2-oxide, *see* C-00634

▷*N*,3-Bis(2-chloroethyl)tetrahydro-2*H*-1,3,2-oxazaphosphorin-2-amine 2-oxide, *see* I-00021

▷5-[3,3-Bis(2-chloroethyl)-1-triazenyl]-1*H*-imidazole-4-carboxamide, *see* I-00030

Bis(3-chloro-6-hydroxy-5-isopropyl-2-methylphenyl)methane, *see* B-00155

▷Bis(5-chloro-2-hydroxyphenyl)methane, *see* D-00198

3,12-Bis(3-chloro-2-hydroxypropyl)-3,12-diaza-6,9-diazoniadispiro[5.2.5.2]hexadecane, *see* P-00527

▷2,2-Bis(chloromethyl)-1,3-propanediol, B-00200

Bis(4-chlorophenoxy)acetic acid 1-methyl-4-piperidinyl ester, *see* L-00046

Bis(4-chlorophenoxy)acetic acid (1-methyl-2-pyrrolidinyl)-methyl ester, *see* B-00154

Bis[2-(*p*-chlorophenoxy)-2-methylpropionato]hydroxyaluminum, *in* C-00456

N,*N*″-Bis[(4-chlorophenyl)amidino]-1,4-piperazinedicarboximidamide, *see* P-00236

Bis(*p*-chlorophenyl)cyclopropylmethanol, *see* P-00453

▷1,6-Bis-*p*-chlorophenyldiguanidinohexane, *see* C-00206

▷*N*,10-Bis(4-chlorophenyl)-2,10-dihydro-2-[(1-methylethyl)-imino]-3-phenazinamine, *see* C-00450

▷*N*,*N*″-Bis(4-chlorophenyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide, *see* C-00206

1-[Bis(4-chlorophenyl)methyl]-3-[2-(2,4-dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1*H*-imidazolium, *see* C-00017

▷Bis[(4-chlorophenyl)methylene]carbonimidic dihydrazide, *see* R-00069

4-[[2,3-Bis(4-chlorophenyl)-1-methylpropyl]amino]-4-oxo-2-butenoic acid, *see* B-00088

N-[2,3-Bis(*p*-chlorophenyl)-1-methylpropyl]maleamic acid, *see* B-00088

2-[[4,5-Bis(4-chlorophenyl)-2-oxazolyl]thio]propanoic acid, *see* T-00308

▷Biscomate, *see* D-00369

1,4-Bis(cyclopropylmethyl)-1,4-piperazine, B-00201

3′,7′-Bis(cyclopropylmethyl)spiro[cyclopentane-1,9′-[3,7]-diazabicyclo[3.3.1]nonane], *see* T-00050

▷Bis-DEAE-fluorenone, *see* T-00277

α-Bisdehydrodoisynolic acid methyl ether, *see* D-00570

Bisdequalinium(2+), B-00202

Bisdequalinium diacetate, *in* B-00202

2,3-Bis(3,4-diacetoxy-5-fluorophenyl)pentane, *see* A-00009

5,10-Bis[[[2,4-dibromo-6-[(cyclohexylmethylamino)methyl]-phenyl]amino]carbonyl]-3-oxo-1-phenyl-2-oxa-7,8-dithia-4,11-diazadodecan-12-oic acid phenylmethyl ester, *see* C-00399

Bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)acetic acid, B-00203

▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204

Bis(2,4-dichlorophenyl)iodonium(1+), *see* F-00054

1,4-Bis[2-(diethylamino)ethoxy]-9,10-anthracenedione, *see* B-00205

1,4-Bis[2-(diethylamino)ethoxy]anthraquinone, B-00205

2,4-Bis[2-(diethylamino)ethoxy]deoxybenzoin, *see* B-00206

▷2,7-Bis[2-(diethylamino)ethoxy]-9*H*-fluoren-9-one, *see* T-00277

6,7-Bis[2-(diethylamino)ethoxy]-4-methyl-2*H*-1-benzopyran-2-one, *see* O-00081

6,7-Bis[2-(diethylamino)ethoxy]-4-methylcoumarin, *see* O-00081

2′,4′-[Bis(2-diethylamino)ethoxy]-2-phenylacetophenone, B-00206

2,4-Bis(diethylamino)-6-hydrazino-*s*-triazine, *see* M-00073

3,3′-Bis(diethylaminomethyl)-5,5′-di-2-propenyl[1,1′-biphenyl]-4,4′-diol, *see* B-00150

4,6-Bis(diethylamino)-1,3,5-triazin-2(1*H*)-one hydrazone, *see* M-00073

▷Bis(diethylthiocarbamoyl) sulfide, *see* M-00430

▷Bis(diethylthiocarbamyl) disulfide, *see* D-00542

N,*N*′-Bis[3-(4,5-dihydro-1*H*-imidazol-2-yl)phenyl]urea, *see* I-00034

Bis[4,5-dihydroxy-1,8-benzenedisulfonato(4−)-O^4,O^5]-antimonate(5−), B-00207

▷1,4-Bis(3,4-dihydroxycinnamoyl)quinic acid, *see* C-00643

▷1,3-Bis[[3-(3,4-dihydroxyphenyl)-1-oxo-2-propenyl]oxy]-4,5-dihydroxycyclohexanecarboxylic acid, *see* C-00643

N,*N*′-Bis(2,3-dihydroxypropyl)-5-[*N*-(2,3-dihydroxypropyl)-acetamido]-2,4,6-triiodoisophthalamide, *see* I-00117

N,*N*′-Bis(2,3-dihydroxypropyl)-5-L-*xylo*-2-hexulosonamido-2,4,6-triiodoisophthalamide, *see* I-00116

N,*N*′-Bis(2,3-dihydroxypropyl)-5-[(L-*xylo*-hexulosonyl)-amino]-2,4,6-triodo-1,3-benzenedicarboxamide, *see* I-00116

N,*N*′-Bis(2,3-dihydroxypropyl)-5-[(hydroxyacetyl)(2-hydroxyethyl)amino]-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00146

N,*N*′-Bis(2,3-dihydroxypropyl)-5-[(hydroxyacetyl)-methylamino]-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00121

N,*N*′-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-5-(2-methoxyacetamido)-*N*-methylisophthalamide, *see* I-00131

N,*N*′-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-5-[(methoxyacetyl)-amino]-*N*-methyl-1,3-benzenedicarboxamide, *see* I-00131

N,*N*′-Bis(2,3-dihydroxypropyl)-2,4,6-triiodo-*N*-methyl-1,3,5-benzenetricarboxamide, *see* I-00142

▷4,7-Bis(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,10,12,12*a*-tetrahydroxy-1,11-dioxo-2-naphthacenecarboxamide, *see* M-00387

3,7-Bis(dimethylamino)phenothiazin-5-ium(1+), B-00208

▷*N*-[4-[Bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+), B-00209

5,6-Bis[4-(dimethylamino)phenyl]-2-methyl-1,2,4-triazin-3(2*H*)-one, *see* M-00341

3β,20*S*-Bis(dimethylamino)-5α-pregnane, *in* P-00416

(3α,5α,20*S*)-3,20-Bis(dimethylamino)pregnane, *in* P-00416

10-[2,3-Bis(dimethylamino)propyl]phenothiazine, *see* P-00521

α-[3,5-Bis(1,1-dimethylethyl)-4-hydroxyphenyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxybenzeneacetic acid, *see* B-00203

[3,5-Bis(1,1-dimethylethyl)-4-hydroxyphenyl]-2-thienylmethanone, *see* P-00429

3,6-Bis(1,1-dimethylethyl)-1-naphthalenesulfonic acid, *see* D-00173

6,8-Bis(1,1-dimethylethyl)-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, *see* T-00082

2-[2-[Bis(2,6-dimethylphenyl)methoxy]ethoxy]-*N*,*N*-dimethylethanamine, *see* X-00026

1-[Bis(2,6-dimethylphenyl)methoxy]-3-[(1-methylethyl)-amino]-2-propanol, *see* X-00018

2,5-Bis[1-(1,1-dimethyl-2-propenyl)-1*H*-indol-3-yl]-3,6-dihydroxy-2,5-cyclohexadiene-1,4-dione, *see* A-00467

Bis[3-(2,5-dimethyl-1-pyrrolidinyl)propyl]hexadecylmethyl-ammonium, *see* P-00357

▷Bis(dimethylthiocarbamyl) disulfide, *see* T-00149

4,4′-Bis(dioxoethyl)biphenyl, *see* B-00177

8,27-Bis[1,4-dioxo-4-(3-pyridinylmethoxy)butoxy]-7,7,28,28-tetramethyl-4,9,13,22,26,31-hexaoxo-5,30-dioxa-17,18-dithia-10,14,21,25-tetraazatetratriacontanedioic acid bis-(pyridinylmethyl) ester, *see* T-00380

▷1,2-Bis[2-(2,3-epoxypropoxy)ethoxy]ethane, *see* D-00225

▷1,1′-Bis(2,3-epoxypropyl)-4,4′-bipiperidine, *see* E-00082

▷N^1,N^2-Bis(*p*-ethoxyphenyl)acetamidine, *see* P-00135

▷*N*,*N*′-Bis(4-ethoxyphenyl)ethanimidamide, *see* P-00135

▷*N*,*N*′-Bis(4-ethoxyphenyl)thiourea, *in* B-00222

▷Bis(ethyleneimido)phosphorylurethane, *see* U-00012

N,*N*′-Bis(2-ethylhexyl)-3,12-diimino-2,4,11,13-tetraazatetradecanediimidamide, *see* A-00107

2,6-Bis(2-ethylhexyl)hexahydro-7*a*-methyl-1*H*-imidazo[1,5-*c*]-imidazole, *see* H-00063

1,3-Bis(2-ethylhexyl)hexahydro-5-methyl-5-pyrimidinamine, *see* H-00064

Bis(2-ethylhexyl)sulfosuccinic acid, B-00210

▷2,2-Bis(ethylsulfonyl)butane, B-00211

3,3-Bis(ethylsulfonyl)pentane, *in* B-00213

▷2,2-Bis(ethylsulfonyl)propane, B-00212

3,3-Bis(ethylthio)pentane, B-00213

▷Bisethylxanthogen, *see* D-00556

▷Bisexovis, *in* A-00383

▷Bisexovister, *in* A-00383

Bisfentidine, B-00214

▷1-[4,4-Bis(4-fluorophenyl)butyl]-4-(4-chloro-3-(trifluoromethyl)phenyl]-4-piperidinol, *see* P-00062

▷1-[4,4-Bis(*p*-fluorophenyl)butyl]-4-(4-chloro-α,α,α-trifluoro-*m*-tolyl)-4-piperidinol, *see* P-00062

4-[4,4-Bis(4-fluorophenyl)butyl]-*N*-(2,6-dimethylphenyl)-1-piperazineacetamide, *see* L-00045

4-[4,4-Bis(4-fluorophenyl)butyl]-*N*-ethyl-1-piperazinecarboxamide, *see* A-00365

4-[4,4-Bis(4-fluorophenyl)butyl]-*N*-phenyl-1-piperazineethanamine, *see* D-00269

▷8-[4,4-Bis(4-fluorophenyl)butyl]-1-phenyl-1,3,8-triazaspiro[4.5]-decan-4-one, *see* F-00223

4-[4,4-Bis(*p*-fluorophenyl)butyl]-1-piperazineaceto-2′,6′-xylidide, *see* L-00045

1-[1-[4,4-Bis(4-fluorophenyl)butyl]-4-piperidinyl]-5-chloro-1,3-dihydro-2*H*-benzimidazol-2-one, *see* C-00485

▷1-[1-[4,4-Bis(4-fluorophenyl)butyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* P-00263

2-[Bis(4-fluorophenyl)methoxy]ethanamine, *see* F-00164

4-[Bis(*p*-fluorophenyl)methyl]-α-(*p*-*tert*-butylphenyl)-1-piperazinebutanol, *see* F-00126

4-[Bis(4-fluorophenyl)methyl]-α-[4-(1,1-dimethylethyl)-phenyl]-1-piperazinebutanol, *see* F-00126

3-[2-[4-[Bis(4-fluorophenyl)methylene]-1-piperidinyl]-ethyl]-2-methyl-4*H*-pyrido[1,2-*a*]pyrimidin-4-one, *see* S-00036

6-[2-[4-[Bis(4-fluorophenyl)methylene]-1-piperidinyl]-ethyl]-7-methyl-5*H*-thiazolo[3,2-*a*]pyrimidin-5-one, *see* R-00066

1-[Bis(4-fluorophenyl)methyl]-4-(3-phenyl-2-propenyl)-piperazine, *see* F-00165

▷6-[4-[Bis(4-fluorophenyl)methyl]-1-piperazinyl]-*N*,*N*′-di-2-propenyl-1,3,5-triazine-2,4-diamine, *see* A-00139

4,5-Bis(4-fluorophenyl)-2-[(1,1,2,2-tetrafluoroethyl)-sulfonyl)-imidazole, *see* T-00264

Bisguadine, *see* A-00107

2,3-Bis(3-hydroxybenzyl)-1,4-butanediol, B-00215

Bis(4-hydroxy-3-coumarinyl)acetic acid, *see* B-00219

3,3-Bis(4-hydroxy-3,5-diiodophenyl)-1(3*H*)-isobenzofuranone, *see* T-00142

3,3-Bis(4-hydroxy-3,5-diiodophenyl)phthalide, *see* T-00142

2-[3,4-Bis(2-hydroxyethoxy)phenyl]-3-[[6-*O*-(6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranosyl]oxy]-5-hydroxy-7-(2-hydroxyethoxy)-4*H*-1-benzopyran-4-one, *see* T-00559

3′-[Bis(2-hydroxyethyl)amino)acetophenone (4,5-diphenyl-2-oxazolyl)hydrazone, B-00216

2-[Bis(2-hydroxyethyl)amino]-*N*-[4-chloro-2-(2-chlorobenzoyl)-phenyl]-*N*-methylacetamide, *see* D-00619

2-(Bis-2-hydroxyethylamino)-4,5-diphenyloxazole, *see* D-00545

1,4-Bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione, *see* A-00180

1,4-Bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone, *see* A-00180

7-[2-[Bis(2-hydroxyethyl)amino]ethyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* V-00016

8-[[Bis(2-hydroxyethyl)amino]methyl]-6,7-dihydoxy-4-methylcoumarin, *see* E-00121

8-[[Bis(2-hydroxyethyl)amino]methyl]-6,7-dihydroxy-4-methyl-2*H*-1-benzopyran-2-one, *see* E-00121

1-[3-[Bis(2-hydroxyethyl)amino]phenyl]ethanone (4,5-diphenyl-2-oxazolyl)hydrazone, *see* B-00216

N,*N*-Bis(hydroxy-2-ethyl)-*N*′-methyl-*o*-chlorobenzoyl-2′-chloro-4′-glycylanilide, *see* D-00619

▷Bis(2-hydroxyethyl) sulfide, *see* T-00195

▷1,10-Bis(2-hydroxyethylthio)decane, B-00217

▷*N*,*N*′-Bis[2-hydroxy-1-(hydroxymethyl)ethyl]-5-[(2-hydroxy-1-oxopropyl)amino]-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00124

▷2,6-Bis(4-hydroxy-3-methoxybenzylidene)cyclohexanone, B-00218

▷2,6-Bis[(4-hydroxy-3-methoxyphenyl)methylene]cyclohexanone, *see* B-00218

▷2,2-Bis(hydroxymethyl)-1-butanol, *see* E-00194

▷Bis(*N*-hydroxy-*N*-methylmethanethioamidato-*O*,*S*)copper, *see* F-00177

3,3-Bis[4-hydroxy-2-methyl-5-(1-methylethyl)phenyl]-1(3*H*)-isobenzofuranone, *see* T-00224

2,2-Bis(hydroxymethyl)-1-octanol, *see* H-00072

3,4-Bis(4-hydroxy-3-methylphenyl)hexane, *see* P-00479

▷2,2-Bis(hydroxymethyl)-1,3-propanediol, *see* P-00077

Bis[4-hydroxy-2-oxo-2*H*-1-benzopyran-3-yl]acetic acid, B-00219

▷3,3′-Bis(4-hydroxyphenyl)-3*H*-2,1-benzoxathiole 1,1-dioxide, *see* P-00163

2,2-Bis(4-hydroxyphenyl)-2*H*-1,4-benzoxazin-3(4*H*)-one, *see* B-00234

3,4-Bis(4-hydroxyphenyl)hexane, B-00220

3,4-Bis-(4-hydroxyphenyl)-3-hexene, *see* D-00257

3,3-Bis(*p*-hydroxyphenyl)-2-indolinone, *see* O-00160

▷3,3-Bis(4-hydroxyphenyl)-1(3*H*)-isobenzofuranone, *see* P-00162

2,3-Bis[(3-hydroxyphenyl)methyl]-1,4-butanediol, *see* B-00215

3,3-Bis(*p*-hydroxyphenyl)-7-methyl-2-indolinone bis(hydrogen sulfate), *see* S-00226

▷3,3-Bis(4-hydroxyphenyl)phthalide, *see* P-00162

Bis(4-hydroxyphenyl)(2-pyridyl)methane, B-00221

N,*N*′-Bis(4-hydroxyphenyl)thiourea, B-00222

Bis(3-hydroxypropyl)amine, *see* I-00037

▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574

Bis(8-hydroxy-5,7-quinolinedisulfonato(3−)-N^1,O^8-cuprate, B-00223

Bisibutiamine, JAN, *in* T-00174

Bisinomenine, *in* S-00079

Bisinomenine, *in* S-00079

1,1′-Bisisomenthone, B-00224

4,4′-Bis(isopentyloxy)thiocarbanilide, *see* T-00198

4,11-Bis(L-leucine)cyclosporin *A*, *in* C-00638

▷1,4-Bis(methanesulfonyloxy)butane, *see* B-00379

▷Bismethin, *see* P-00423

1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol, B-00225

N,*N*′-Bis(3-methoxybenzyl)urea, B-00226

Bis(6-methoxy-1-phenazinol 5,10-dioxidato-O^1,O^{10}) copper, *see* C-00577

2,3-Bis(4-methoxyphenyl)-1*H*-indole, B-00227

β-[Bis(4-methoxyphenyl)methylene]-4-methoxy-*N*,*N*-dimethylbenzeneethanamine, *see* A-00341

5,6-Bis(4-methoxyphenyl)-3-methyl-1,2,4-triazine, B-00228

N,*N*′-Bis[(3-methoxyphenyl)methyl]urea, *see* B-00226

5,5-Bis(4-methoxyphenyl)-3-[2-(1-piperidinyl)ethyl]-2,4-imidazolidinedione, *see* I-00015

▷*N*,*N*′-Bis(4-methoxyphenyl)thiourea, *in* B-00222

4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, B-00229

4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)thiazole, *see* I-00221
▷1,4-Bis[(2-methoxy-4-propylphenoxy)acetyl]piperazine, *see* S-00073
N,N'-Bis[4-(3-methylbutoxy)phenyl]thiourea, *see* T-00198
▷1-[2-[2-[Bis(1-methylethyl)amino]ethoxy]phenyl]-1-butanone, *in* K-00015
▷2-[2-[Bis(1-methylethyl)amino]ethoxy]-α-propylbenzenemethanol, *see* K-00015
α-[2-[Bis(1-methylethyl)amino]ethyl]-α-(2-chlorophenyl)-1-piperidinebutanamide, *see* D-00535
4-[2-[Bis(1-methylethyl)amino]ethyl]-4,4*a*,5,6,7,8-hexahydro-1-methyl-4-phenyl-3*H*-pyrido[1,2-*c*]pyrimidin-3-one, *see* D-00558
α-[2-[Bis(1-methylethyl)amino]ethyl]-α-(2-methylpropyl)-2-pyridineacetamide, *see* P-00098
N-[2-[Bis(1-methylethyl)amino]ethyl]-2-oxo-1-pyrrolidineacetamide, *see* P-00397
▷α-[2-[Bis(1-methylethyl)amino]ethyl]-α-phenyl-2-pyridineacetamide, *see* D-00537
▷2,2-Bis(1-methylethyl)-1,3-dioxolane-4-methanol, *see* P-00481
Bis(1-methylethyl)-1,3-dithiol-2-ylidenepropanedioate, *see* M-00016
N,N'-Bis(1-methylethyl)furazandicarboxamide 2-oxide, *see* I-00154
2,3:4,5-Bis-*O*-(1-methylethylidene)fructopyranose, *see* T-00382
▷2,6-Bis(1-methylethyl)phenol, *see* D-00367
N-[2-[[2,6-Bis(1-methylethyl)phenyl]amino]-2-oxoethyl]-*N*-(carboxymethyl)glycine, *see* D-00536
N,N-Bis(1-methylethyl)-γ-phenylbenzenepropanamine, *see* D-00366
▷Bis(1-methylethyl) phosphorofluoridate, *see* D-00368
α,α-Bis(2-methylphenyl)-1-azabicyclo[2.2.2]octane-3-methanol, *see* S-00044
Bis(4-methylphenyl)iodonium(1+), B-00230
▷α-[[Bis(1-methylpropyl)amino]methyl]-1-[(2-chlorophenyl)-methyl]-1*H*-pyrrole-2-methanol, *see* V-00030
N,N'-Bis(2-methyl-4-quinolinyl)-1,10-decanediamine, *see* Q-00017
1,4-Bis[3-[(methylsulfonyl)oxy]-1-oxopropyl]piperazine, *see* P-00301
▷Bis(*N*-methylthioformohydroxamato)copper, *see* F-00177
Bismucatebrol, *see* B-00152
▷Bismuth glycollylarsanilate, *see* G-00069
Bismuth subgallate, *see* D-00314
Bismuth tetrabromopyrocatechol, *see* B-00152
Bismutoral, *in* G-00064
N,N-Bis[[2-(1-naphthyl)]propionyloxy]-2-ethylpiperazine, *see* N-00017
1,2-Bis(nicotinamido)propane, *see* N-00087
Bisnicotinyldimethylmethylpapaveroline, *see* N-00091
▷2,2-Bis[(nitrooxy)methyl)]-1,3-propanediol dinitrate, *see* P-00078
N,N'-Bis(4-nitrophenyl)urea, B-00231
2,2'-Bisnorphaeanthine, *in* T-00152
7,10-Bis(L-norvaline)cyclosporin *A*, *in* C-00638
Bisobrin, B-00232
Bisobrin lactate, *in* B-00232
▷Bisolvon, *in* B-00289
Bisoprolol, B-00233
Bisoprolol fumarate, *in* B-00233
Bisorcic, *in* O-00059
Bisoxatin, B-00234
Bisoxatin acetate, *in* B-00234
▷1,1'-Bis(oxiranylmethyl)-4,4'-bipiperidine, *see* E-00082
1,2-Bis[(2-oxo-1-pyrrolidinyl)acetyl]hydrazine, *see* D-00622
N,N-Bis[(2-oxo-1-pyrrolidinyl)methyl]urea, *see* I-00047
▷Bisoxyphen, *see* B-00204
Bis(1,2,2,6,6-pentamethyl-4-piperidinyl) butanedioate, *see* S-00281
Bis(phenylmercuri)oxonium ion, *see* H-00125
5,5'-Bis(2-propenyl)-2,2'-biphenyldiol, *see* M-00012
Bis(4-pyridylmethyl)amine, *see* D-00531
Bispyrithione magsulfex, *in* D-00551
Bispyroquine, B-00235
3,7-Bis(sulfooxy)cholan-24-oic acid, B-00236
2,6-Bis(2-thenylidene)cyclohexanone, *see* B-00237
Bisthiamine, *see* T-00176
2,6-Bis(2-thienylmethylene)cyclohexanone, B-00237
▷Bis(2,2,2-trichloroethyl)carbonate, *see* T-00435
▷1,1'-[2,2-Bis[(2,2,2-trichloro-1-hydroxyethoxy)methyl]-1,3-propanediylbis(oxy)bis[2,2,2-trichloroethanol], *see* P-00132
▷*N,N'*-Bis(2,2,2-trichloro-1-hydroxyethyl)urea, B-00238
▷1,4-Bis(trichloromethyl)benzene, *see* H-00041
▷Bis(2,2,2-trifluoroethyl) ether, B-00239
N,N'-Bis[3-(3,4,5-trimethoxybenzoyloxy)propyl]homopiperazine, *see* D-00370
▷Bis(2,2,4-trimethyl-1,2-dihydroquinolin-6-yl)methane, *see* M-00250
▷Bistrimin, *see* P-00210
▷Bistrium bromide, *in* H-00055
Bisulfa, *in* S-00172
▷Biteral, *see* O-00058
▷Bithionol, *see* B-00204
▷Bithionolate sodium, *in* B-00204
▷Bithionoloxide, *in* B-00204
▷Bitin, *see* B-00204
▷Bitin *S*, *in* B-00204
▷Bitiodin, *see* T-00311
▷Bitipazone, B-00240
Bitolterol, B-00241
▷Bitolterol mesylate, *in* B-00241
▷Bitoscanate, *see* D-00369
▷Bitrex, *in* D-00070
▷Bitriben, *see* H-00041
Bitumol, *see* I-00010
▷Biverm, *see* O-00149
Bjork, *see* I-00150
BK 34-530, *see* T-00355
BL5, *see* C-00599
▷BL 3640, *see* C-00117
BL 3912*A*, *in* D-00461
BL 4162*A*, *see* A-00376
BL 4566, *see* M-00462
BL 5111*R*, *see* T-00299
BL 5255, *see* P-00513
▷BL 700*B*, *in* A-00175
BL 5641A, *in* E-00237
Blascorid, *in* B-00061
▷Blastmycin, *in* A-00415
▷Blastostimulina, *in* T-00485
▷Blastovin, *in* V-00032
Bled, *in* T-00506
▷Blekin, *see* G-00065
▷Bleomycetin, *see* B-00244
▷Bleomycin A_1, B-00242
▷Bleomycin A_2, B-00243
▷Bleomycin B_2, B-00246
Bleomycin B_4, B-00245
▷Bleomycin A_5, B-00244
▷Bleomycin NK 631, *see* P-00108
▷Blex, *see* P-00330
▷Blinx, *in* B-00254
BL 5572M, *in* P-00549
▷Blocadren, *see* P-00170
▷Blocadren, *in* T-00288
Blocardyl, *in* P-00514
▷Blockain, *see* P-00511
▷Blocotin, *in* P-00059
Blood-coagulating factor *VII*, *see* F-00002
Blood-coagulating factor *XII*, *see* F-00006
Blood-coagulation factor *I*, *see* F-00103
▷Blood-coagulation factor *IX*, *see* F-00004
Blood-coagulation factor *V*, *see* F-00001
Blood-coagulation factor *VIII*, *see* F-00003
Blood-coagulation factor *X*, *see* F-00005
Blood-coagulation factor *XIII*, *see* F-00007
Blood-coagulation factor *XIV*, *see* F-00008

▷Bloqueina, *see* B-00368
BL-P 1462, *see* S-00271
BL-P 1597, *see* F-00286
BL-P 1761, *in* H-00035
BL-P 1780, *in* O-00104
▷BL-P 413, *see* D-00485
▷BL R743, *see* I-00087
BL-S 786, *see* C-00137
▷Bluboro, *in* B-00254
Bludacina, *see* I-00171
Blue *VRS*, *see* S-00249
▷Bluecaine, *in* T-00373
▷Bluensin, *see* B-00247
▷Bluensomycin, B-00247
▷Blutene chloride, *in* T-00359
▷BM 3055, *in* O-00163
BM 06002, *see* A-00237
BM 10188, *see* D-00590
BM 11604, *in* T-00427
BM 12434, *see* M-00383
▷BM 12531, *see* A-00524
BM 13177, *see* S-00234
BM 13505, *see* D-00007
BM 14190, *see* C-00105
BM 14298, *see* N-00073
BM 14327, *see* D-00005
BM 14.478, *see* A-00069
▷BM 15075, *see* B-00148
BM 15100, *in* P-00244
BM 41332, *see* C-00318
BM 41.440, *see* I-00022
▷BM 51052, *see* C-00038
BMG 162 aF_2, *see* S-00112
▷BMU, *see* H-00156
BMY 13859, *see* T-00304
BMY 25154, *see* C-00123
▷BMY 25182, *in* C-00121
BMY 28100, *see* C-00146
BMY 28117, *see* E-00041
BMY 28142, *see* C-00125
BMY 13805-1, *in* G-00019
BN 1270, *see* C-00327
BN 183B, *see* B-00005
▷Bo 637, *see* M-00441
▷Bo 714, *see* T-00129
Bo 725, *see* P-00069
Bofumustine, B-00248
Bolandiol, *in* O-00029
▷Bolandiol dipropionate, *in* O-00029
▷Bolandiol propionate, JAN, *in* O-00029
Bolasterone, *in* H-00123
Bolazine, *in* H-00153
Bolazine capronate, *in* H-00153
Boldane, *in* H-00108
Boldenone, *in* H-00108
Boldenone undecylenate, *in* H-00108
Boldine dimethyl ether, *see* G-00028
Bolenol, B-00249
Bolfortan, *in* H-00111
Bolmantalate, B-00250
▷Bolvidon, *in* M-00360
Bomag, *in* O-00140
Bometolol, B-00251
Bonaid, *see* B-00373
▷Bonamid, *in* A-00512
▷Boncurex, *in* M-00083
Bongast, *in* D-00314
Bonifen, *see* P-00590
▷Bonine, *see* M-00051
▷Bonipress, *in* D-00033
▷Bonlam, *see* C-00020
Bonnecor, B-00252
Bonofur, *see* N-00129
Bonomycin, *see* D-00065
Bopindolol, B-00253
▷Boracic acid, *see* B-00254
▷Bordeaux mixture, *in* C-00576
▷Boric acid, B-00254
▷Bor-Ind, *see* I-00068
▷2-Bornanone, *see* C-00023
▷Bornaprine, B-00255
Bornaprolol, B-00256
Bornelone, B-00257
6-(2-Bornyl)-3,4-xylenol, *see* X-00013
Borocaine, *in* P-00447
▷Borofax, *in* B-00254
▷Boromycin, B-00258
Bort simple, *in* T-00257
Bostrycoidin, B-00259
Bostrycoidin 9-methyl ester, *in* B-00259
▷Bothrops atrox serine proteinase, *see* B-00017
Botiacrine, B-00260
▷Botran, *see* D-00196
▷Botropase, *see* B-00017
▷Botrycidin, *see* O-00037
▷Bourbonal, *in* D-00311
Bouvardin, B-00261
▷Bovatec, *see* L-00011
▷Bovicam, *see* C-00020
Bovilene, *see* F-00074
▷Bovine superoxide dismutase, *see* O-00056
▷Bovitrol, *in* A-00114
▷Bovogenin *A*, B-00262
▷Bovoside *A*, *in* B-00262
▷Bowsteral, *see* P-00491
Boxidine, B-00263
BP 1184, *in* T-00145
BP 400, *in* P-00257
BP 662, *in* F-00107
BPA, *see* I-00082
BPO-FLYS, *see* L-00041
BPP_{9a}, *see* T-00079
▷BQ 22-708, *in* E-00050
▷BR 18, *in* P-00304
▷BR-222, *in* B-00330
BR 906, *see* R-00098
BR 917, *in* R-00098
▷BR 931, *see* P-00333
BR 968, *see* L-00070
BR 971, *see* A-00446
Bracen, *see* X-00013
Bradilan, *see* N-00098
Bradophen, *in* B-00117
▷Bradosol, *in* D-00567
Bradykinin-potentiating peptide BPP_{9a}, *see* T-00079
Bradykinin potentiator *B*, 2-L-tryptophan-3-de-L-leucine-4-de-L-proline-8-L-glutamine, *see* T-00079
Bradykinins, B-00264
▷Bradykynin, *in* B-00264
▷Bradyl, *in* N-00007
Brallobarbital, B-00265
▷Bratenol, *in* P-00328
Brazergoline, B-00266
▷BRDU, *see* B-00296
▷Bredinin, B-00267
Bredon, *in* O-00130
▷Brelomax, *in* B-00426
Bremazocine, B-00268
▷Brenal, *in* M-00046
▷Brendil, *in* C-00363
▷Breokinase, *see* U-00016
Brequinar, B-00269
Bretazenil, B-00270
▷Brethine, *in* T-00084
Breton, *in* I-00015
▷Bretylate, *in* B-00271
Bretylium(1+), B-00271
▷Bretylium tosylate, *in* B-00271
▷Bretylol, *in* B-00271
▷Brevane, *in* M-00187

▷Brevatonal, *in* O-00150
Brevibloc, *in* E-00123
▷Brevicide, *see* X-00005
▷Brevicurarine, *in* P-00308
Brevidil *M*, *in* S-00280
Brevidil E, *in* S-00282
▷Brevinor, *in* N-00212
▷Brevital, *in* M-00187
▷Brexin, *in* C-00052
▷Bricanyl, *in* T-00084
▷Bricef, *see* C-00117
▷Bridal, *see* A-00402
▷Brietal, *in* M-00187
Brinaldix, *see* C-00480
Brinase, *see* B-00273
Brindoxime, B-00272
Brinolase, B-00273
▷Bripadon, *see* E-00191
▷Bristacin, *see* R-00078
▷Bristaline, *in* M-00177
▷Bristamin, *see* P-00210
▷Britai, *see* C-00225
▷British anti-lewisite, *see* D-00385
▷British gum, *see* D-00114
Brivudine, *see* B-00322
▷Brizin, *in* B-00037
▷BRL 1241, *in* M-00180
▷BRL 1288, *in* B-00037
▷BRL 1702, *in* D-00214
BRL 2039, *see* F-00139
▷BRL 2064, *in* C-00045
▷BRL 2288, *in* T-00255
BRL 2534, *see* A-00520
▷BRL 284, *in* P-00501
▷BRL 3475, *in* C-00074
BRL 4664, *see* N-00202
▷BRL 556, *in* O-00163
BRL 804, *see* H-00035
BRL 10833, *in* D-00436
BRL 11870, *see* A-00388
BRL 12594, *in* T-00255
BRL 13856, *see* C-00487
▷BRL 14151, *in* C-00410
BRL 14342, *in* C-00417
▷BRL 14440, *in* C-00410
BRL 17421, *in* T-00062
▷BRL 25000, *in* C-00410
BRL 26921, *see* A-00397
BRL 30892, *see* D-00072
BRL 34915, *see* C-00563
BRL 38705, *see* E-00095
BRL 39123, *see* H-00138
BRL 40015*A*, *in* D-00527
BRL 42810, *see* F-00012
BRL 50216, *in* C-00442
▷BRL 4910A, *see* P-00552
BRL 24924A, *in* R-00023
BRL 36650A, *in* F-00239
Brobactam, *in* B-00311
▷Brocadopa, *in* A-00248
Brochodine, *in* C-00525
Broclepride, B-00274
▷Brocresine, B-00275
Brocrinat, B-00276
▷Brodiar, *see* D-00167
Brodimoprim, B-00277
Brofaremine, *see* B-00278
Brofaromine, B-00278
▷Brofene, *see* B-00316
Brofezil, B-00279
▷Brofoxine, B-00280
Brolamfetamine, *in* B-00298
Brolene, *in* D-00168
Broleukin, *in* I-00081
▷Brolitene, *see* H-00130
▷Bromacrylide, B-00281
▷Bromadal, *see* B-00300
Bromadoline, B-00282
Bromadoline maleate, *in* B-00282
▷Bromadryl, *in* E-00033
Bromamid, B-00283
Bromamphenicol, B-00284
Bromanylpromide, *see* B-00283
▷Bromazepam, B-00285
Bromazine, *see* B-00299
▷Bromchlorenone, *see* B-00293
Bromcholitin, *in* G-00028
▷*p*-Bromdione, *see* B-00313
p-Bromdylamine, *see* B-00325
Bromebric acid, B-00286
▷Bromelains, B-00287
▷Bromelase, *see* B-00287
▷Bromergon, *in* E-00103
Bromerguride, B-00288
Brometazepam, *see* M-00145
Brometenamine, *in* H-00057
▷Bromethol, *see* T-00428
▷Bromex, *see* D-00176
▷Bromexina, *in* B-00289
Bromfenac, *see* A-00219
Bromfenac sodium, *in* A-00219
Bromhexine, B-00289
▷Bromhexine hydrochloride, *in* B-00289
Bromidol, *see* B-00324
▷Bromindione, *see* B-00313
▷Bromisoval, *see* B-00307
▷Bromisovalum, *see* B-00307
▷5-(2-Bromoallyl)-5-*sec*-butylbarbituric acid, B-00290
▷5-(2-Bromoallyl)-5-isopropylbarbituric acid, B-00291
5-(2-Bromoallyl)-5-isopropyl-1-methylbarbituric acid, *see* P-00482
3-(*p*-Bromoanilino)-*N*,*N*-dimethylpropionamide, *see* B-00283
▷Bromoaprobarbital, *see* B-00291
Bromo-Benadryl, *see* B-00299
(*o*-Bromobenzyl)ethyldimethylammonium, *see* B-00271
▷5-Bromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, B-00292
▷6-Bromo-5-chloro-2(3*H*)-benzoxazolone, B-00293
5-Bromo-3-[*N*-(2-chloroethyl)ethylaminomethyl]benzo[*b*]-thiophene, *see* M-00406
5-Bromo-*N*-(2-chloroethyl)-*N*-ethylbenzo[*b*]thiophene-3-methylamine, *see* M-00406
2-Bromo-*N*-[2-[7-chloro-5-(2-fluorophenyl)-2,3-dihydro-2-oxo-1*H*-benzodiazepin-1-yl]ethyl]acetamide, *see* K-00008
7-Bromo-6-chloro-3-[3-(3-hydroxy-2-piperidinyl)-2-oxopropyl]-4(3*H*)-quinazolinone, *see* H-00009
4-Bromo-*N*-[3-[4-chloro-5-methyl-2-(1-methylethyl)phenoxy]-propyl]-*N*,*N*-dimethylbenzenemethanaminium, *see* H-00013
2-Bromo-4-(2-chlorophenyl)-9-cyclohexyl-6*H*-thieno[3,2-*f*]-[1,2,4]triazolo[4,3-*a*][1,4]diazepine, *see* C-00334
N-[6-Bromo-5-(2-chlorophenyl)-2,3-dihydro-1,3-dimethyl-2-oxo-1*H*-1,4-benzodiazepin-7-yl]-*N'*-[2-hydroxy-1-(hydroxymethyl)-1-methylethyl]urea, *see* L-00069
7-Bromo-5-(2-chlorophenyl)-2,3-dihydro-2-(methoxymethyl)-1-methyl-1*H*-1,4-benzodiazepine, *see* M-00145
2-Bromo-4-(2-chlorophenyl)-9-methyl-6*H*-thieno[3,2-*f*]-[1,2,4]-triazolo[4,3-*a*][1,4]diazepine, *see* B-00329
8-Bromo-6-(2-chlorophenyl)-1-methyl-4*H*-thieno[3,2-*f*]-[1,2,4]-triazolo[4,3-*a*]diazepine, *see* B-00329
▷2-Bromo-2-chloro-1,1,1-trifluoroethane, B-00294
▷Bromociclen, *see* B-00295
▷*m*-Bromocinnamic acid, *see* B-00314
5-Bromo-2,3-cresotic acid, *see* B-00302
5-Bromo-*o*-cresotinamide, *in* B-00302
▷Bromocriptine, *in* E-00103
▷Bromocriptine mesilate, JAN, *in* E-00103
▷Bromocyclen, B-00295
▷Bromodechlorotetracycline, *see* B-00318
▷5-Bromo-2'-deoxyuridine, B-00296
▷*O*-(4-Bromo-2,5-dichlorophenyl) *O*,*O*-dimethyl phosphorothioate, *see* B-00316
N'-(2-Bromo-9,10-didehydro-6-methylergolin-8-yl)-*N*,*N'*-diethylurea, *see* B-00288

▷2-Bromo-2,2-diethylacetamide, *in* B-00297
2-Bromo-2,2-diethylacetic acid, B-00297
▷(Bromodiethylacetyl)carbamide, *see* B-00300
2-Bromo-6,9-difluoro-11,17,21-trihydroxypregna-1,4-diene-3,20-dione, *see* H-00016
▷6-Bromo-1,4-dihydro-4,4-dimethyl-2*H*-3,1-benzoxazin-2-one, *see* B-00280
7-Bromo-3,4-dihydro-2(1*H*)-isoquinolinecarboximidamide, *see* G-00113
▷7-Bromo-1,3-dihydro-5-(2-pyridinyl)-2*H*-1,4-benzodiazepin-2-one, *see* B-00285
4-Bromo-2,5-dimethoxyamphetamine, *see* B-00298
4-Bromo-2,5-dimethoxy-α-methylbenzeneethanamine, *see* B-00298
4-Bromo-2,5-dimethoxy-α-methylphenethylamine, B-00298
4-[(2-Bromo-4,5-dimethoxyphenyl)methyl]-4-[2-[2-(6,6-dimethylbicyclo[3.1.1]hept-2-yl)ethoxy]ethyl]morpholinium, *see* P-00267
5-[(4-Bromo-3,5-dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, *see* B-00277
4-Bromo-*N*-[2-(dimethylamino)cyclohexyl]benzamide, *see* B-00282
2-[*p*-Bromo-α-[2-(dimethylamino)ethyl]benzyl]pyridine, *see* B-00325
3-Bromo-α-[[(1,1-dimethylethyl)amino]methyl]-5-isoxazolemethanol, *see* B-00332
6-Bromo-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid, *see* B-00311
N'-(5-Bromo-4,6-dimethyl-2-pyrimidinyl)sulfanilamide, *see* S-00185
Bromodiphenhydramine, B-00299
▷Bromodiphenhydramine hydrochloride, *in* B-00299
1-(2-Bromo-1,2-diphenylethenyl)-4-ethylbenzene, *see* B-00326
1-Bromoestradiol, *in* O-00028
5-(2-Bromoethenyl)-2′-deoxyuridine, *see* B-00322
▷2-Bromo-2-ethylbutanamide, *in* B-00297
2-Bromo-2-ethylbutanoic acid, *see* B-00297
▷*N*-(2-Bromo-2-ethylbutanoyl)urea, B-00300
▷2-Bromo-2-ethylbutyrylurea, *see* B-00300
2-Bromo-*N*-ethyl-*N*,*N*-dimethylbenzenemethanaminium, *see* B-00271
2-Bromo-2-ethyl-3-methylbutyramide, B-00301
1-Bromo-2-*p*-(ethylphenyl)-1,2-diphenylethylene, *see* B-00326
3-Bromo-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-2,6-dimethoxybenzamide, *see* R-00021
Bromofenofos, *in* T-00103
[[7-Bromo-3-(2-fluorophenyl)-1,2-benzisoxazol-6-yl]oxy]-acetic acid, *see* B-00276
N-(2-Bromo-6-fluorophenyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* R-00082
3-[(4-Bromo-2-fluorophenyl)methyl]-3,4-dihydro-4-oxo-1-phthalazineacetic acid, *see* P-00387
▷10-Bromo-11*b*-(2-fluorophenyl)-2,3,7,11*b*-tetrahydrooxazolo[3,2-*d*][1,4]benzodiazepin-6(5*H*)-one, *see* H-00020
17-Bromo-6α-fluoropregn-4-ene-3,20-dione, *see* H-00017
▷Bromofos, *see* B-00316
3-[[(5-Bromo-2-furanyl)carbonyl]oxy]-*N*,*N*-diethyl-*N*-methyl-1-butanaminium, *see* F-00272
▷4-Bromo-3-hydroxybenzyloxyamine, *see* B-00275
5-Bromo-2-hydroxy-3-methylbenzamide, *in* B-00302
5-Bromo-2-hydroxy-3-methylbenzoic acid, B-00302
6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one, B-00303
7-Bromo-8-hydroxy-5-methylquinoline, B-00304
5-Bromo-2-hydroxy-*m*-toluic acid, *see* B-00302
▷5-Bromo-1*H*-indole-2,3-dione, B-00305
▷5-Bromoisatin, *see* B-00305
2-Bromo-2-isopropylbutyramide, *see* B-00301
▷4-Bromo-2-isopropyl-5-methylphenol, B-00306
2-Bromolisuride, *see* B-00288
[[[(3-Bromomesityl)carbamoyl]methyl]imino]diacetic acid, *see* M-00038
4-(7-Bromo-5-methoxy-2-benzofuranyl)piperidine, *see* B-00278
3-Bromo-4-(4-methoxyphenyl)-4-oxo-2-butenoic acid, *see* B-00286
N-2-(4-Bromo-α-methylbenzhydryloxy)-*N*,*N*-dimethyl-ethylamine, *see* E-00033
▷*N*-(2-Bromo-3-methylbutanoyl)urea, B-00307
▷(2-Bromo-3-methylbutyryl)urea, *see* B-00307
2-Bromo-6-methylergolin-8β-ylmethyl hexahydro-1*H*-azepine-1-carboxylate, *see* B-00266
▷5-Bromomethyl-1,2,3,4,7,7-hexachlorobicyclo[2.2.1]hept-2-ene, *see* B-00295
▷5-Bromomethyl-1,2,3,4,7,7-hexachloronorborn-2-ene, *see* B-00295
▷4-Bromo-5-methyl-2-(1-methylethyl)phenol, *see* B-00306
5-Bromo-2-methyl-5-nitro-1,3-dioxane, B-00308
17-Bromo-6-methyl-4-pregnene-3,20-dione, B-00309
17-Bromo-6-methylprogesterone, *see* B-00309
2-[[4-(5-Bromo-3-methyl-2-pyridinyl)butyl]amino]-5-[(6-methyl-3-pyridinyl)methyl]-4(1*H*)-pyrimidinone, *see* T-00060
2-[4-(5-Bromo-3-methyl-2-pyridyl)butylamino]-5-(6-methyl-3-pyridylmethyl)pyrimidin-4(1*H*)-one, *see* T-00060
7-Bromo-5-methyl-8-quinolinol, *see* B-00304
Bromomycetin, *see* B-00284
▷2-Bromo-2-nitro-1,3-propanediol, B-00310
3-Bromo-4-oxo-4-[4-(pentyloxy)phenyl]-2-butenoic acid, *see* B-00312
6-Bromopenicillanic acid, B-00311
3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid, B-00312
[3-(4-Bromophenyl)amino]-*N*,*N*-dimethylpropanamide, *see* B-00283
2-[(*p*-Bromo-α-phenylbenzyl)oxy]-*N*,*N*-dimethylethylamine, *see* B-00299
N-(4-Bromophenyl)-2,6-dihydroxybenzamide, *in* D-00317
1-*p*-Bromophenyl-3-dimethylamino-1,2′-pyridylpropane, *see* B-00325
γ-(4-Bromophenyl)-*N*,*N*-dimethyl-2-pyridinepropanamine, *see* B-00325
3-(4-Bromophenyl)-*N*,*N*-dimethyl-3-(3-pyridinyl)-2-propen-1-amine, *see* Z-00015
3-(3-Bromophenyl)-*N*-ethyl-2-propenamide, *in* B-00314
4-(4-*p*-Bromophenyl-4-hydroxypiperidino)-4′-fluorobutyrophenone, *see* B-00324
4-[4-(4-Bromophenyl)-4-hydroxy-1-piperinyl]-1-(4-fluorophenyl)-1-butanone, *see* B-00324
▷5-Bromo-2-phenyl-1,3-indandione, *see* I-00178
▷2-(4-Bromophenyl)-1,3-indanedione, B-00313
▷5-Bromo-2-phenyl-1*H*-indene-1,3(2*H*)-dione, *see* I-00178
(1-Bromo-2-phenyl-3-indolizinyl)[3-chloro-4-[3-(dibutylamino)-propoxy]phenyl]methanone, *see* R-00054
3-[1-(4-Bromophenyl)-3-(methylamino)propenyl]pyridine, *see* N-00201
3-(4-Bromophenyl)-*N*-methyl-3-(3-pyridyl)-2-propenamine, *see* N-00201
4-(4-Bromophenyl)-α-methyl-2-thiazoleacetic acid, *see* B-00279
1-[[[5-(4-Bromophenyl)-2-oxazolyl]methylene]amino]-2,4-imidazolidinedione, *see* A-00534
2-[1-(4-Bromophenyl)-1-phenylethoxy]-*N*,*N*-dimethylethanamine, *see* E-00033
2-[(4-Bromophenyl)phenylmethoxy]-*N*,*N*-dimethylethanamine, *see* B-00299
▷3-(3-Bromophenyl)-2-propenoic acid, B-00314
3-(3-Bromophenyl)-2,5-pyrrolidinedione, B-00315
2-(*m*-Bromophenyl)succinimide, *see* B-00315
1-[3-[5-(3-Bromophenyl)-2*H*-tetrazol-2-yl]-1-oxopropyl]-piperidine, *see* B-00327
▷Bromophos, B-00316
Bromopride, B-00317
▷*N*-[(3-Bromopropanamido)methyl]-2-propenamide, *see* B-00281
▷5-(2-Bromo-2-propenyl)-5-(1-methylethyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00291
5-(2-Bromo-2-propenyl)-1-methyl-5-(1-methylethyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* P-00482
▷5-(2-Bromo-2-propenyl)-5-(1-methylpropyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00290
5-(2-Bromo-2-propenyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00265

▷*N*-[(3-Bromopropionamido)methyl]acrylamide, *see* B-00281
4-Bromo-γ-(3-pyridyl)cinnamyldimethylamine, *see* Z-00015
4′-Bromo-γ-resorcylamide, *in* D-00317
▷Bromotetracycline, B-00318
2-Bromo-1,1,1,2-tetrafluoroethane, B-00319
▷3-Bromo-1,1,2,2-tetrafluoropropane, B-00320
8-Bromo-11,12,13,13*a*-tetrahydro-9-oxo-9*H*-imidazo[1,5-*a*]-pyrrolo[2,1-*c*][1,4]benzodiazepine-1-carboxylic acid 1,1-dimethylethyl ester, *see* B-00270
▷6-Bromothymol, *see* B-00306
2-Bromo-1,1,2-trifluoroethyl methyl ether, *see* B-00321
2-Bromo-1,1,2-trifluoro-1-methoxyethane, B-00321
N-[4-Bromo-2-(trifluoromethyl)phenyl]-3-(1,1-dimethylethyl)-2-hydroxy-6-methyl-5-nitrobenzamide, *see* B-00323
N-[2-[(3-Bromo-2,4,6-trimethylphenyl)amino]-2-oxoethyl]-*N*-(carboxymethyl)glycine, *see* M-00038
▷Bromouridine, *see* B-00296
4-(6-Bromoveratryl)-4-[2-[2-(6,6-dimethyl-2-norpinyl)-ethoxy]-ethyl]morpholinium, *see* P-00267
11-Bromovincamine, *see* B-00331
Bromovinyl deoxyuridine, *see* B-00322
5-(2-Bromovinyl)-2′-deoxyuridine, B-00322
Bromoxanide, B-00323
Bromperidol, B-00324
Bromperidol decanoate, *in* B-00324
Brompheniramine, B-00325
▷Brompheniramine maleate, *in* B-00325
▷Bromsulfan, *in* S-00218
▷Bromsulfophthalein, *see* S-00218
▷Bromsulphalein, *see* S-00218
Bromth, *in* M-00108
▷Bromthalein, *in* S-00218
▷Bromthymol, *see* B-00306
▷Bromural, *see* B-00307
Bron, *in* H-00147
▷Bronalide, *see* F-00167
Bronalin, *see* H-00068
▷Broncaine, *see* L-00047
Broncaspin, *see* G-00089
Broncho-Abrodil-Flasche, *in* D-00363
Bronchocillin, *in* P-00061
▷Bronchodiagnostin, *in* D-00363
▷Bronchodil, *in* R-00026
Bronchodilator 1313, *in* P-00158
Broncholysin, *see* H-00068
▷Bronchon, *in* C-00502
Bronchopront, *in* A-00170
▷Bronchospasmin, *in* R-00026
▷Broncomenal, *in* F-00240
Broncopen, *in* P-00061
Bronco-plus, *see* S-00145
▷Bronco-Was, *in* G-00097
▷Bronilide, *see* F-00167
▷Bronkaid, *see* A-00075
▷Bronkephrine, *in* E-00212
Bronkosol, *see* I-00185
▷Bronkotabs, *in* M-00221
▷Bronopol, *see* B-00310
▷Bronosol, *see* B-00310
▷Bronsec, *in* C-00071
▷Bronsecur, *in* C-00071
▷Brontine, *in* D-00087
▷Brontyl, *see* P-00551
Broparestrol, B-00326
Broperamole, B-00327
▷Brophenadione, *see* B-00313
▷Brophene, *see* B-00316
Bropirimine, *see* A-00220
Broquinaldol, *see* D-00166
▷Brosombra, *in* D-00363
Brosotamide, *in* B-00302
Brosuximide, *see* B-00315
▷Brotianide, B-00328
Brotizolam, B-00329
▷Brovan, *in* B-00330
▷Brovanexine, B-00330
▷Brovaxine, *in* B-00330
▷Brovel, *in* E-00094
Brovincamine, B-00331
Broxaldine, *in* D-00166
Broxaterol, B-00332
▷Broxil, *in* P-00152
Broxitalamic acid, B-00333
▷Broxolin, *see* G-00069
▷Broxuridine, *see* B-00296
▷Broxykinolin, *see* D-00167
▷Broxyquinoline, *see* D-00167
▷Brozime, *in* B-00289
▷BRS 640, *in* B-00264
Brufacaine, *see* G-00090
Brufen, *see* I-00008
Brulidine, *in* D-00168
▷Brumixol, *in* C-00612
▷Bruneomycin, *see* S-00162
▷Bryamycin, *see* T-00210
▷Bryrel, *in* P-00285
▷BS 14, *in* P-00129
BS 1051, *in* G-00036
BS 556, *see* M-00247
BS 6321, *in* C-00614
B.S. 6534, *see* B-00347
BS 6748, *see* X-00026
▷BS 6987, *in* D-00087
BS 7020, *in* D-00087
▷BS 7029, *in* D-00282
BS 7039, *see* D-00038
BS 7042, *in* D-00282
▷BS 7051, *in* H-00033
BS 7161*D*, *in* P-00601
▷BS 7173*D*, *see* X-00022
BS 7284, *see* Q-00007
▷BS 7331, *in* T-00339
▷BS 749, *in* A-00297
BS 7561, *in* T-00328
▷BS 7679, *see* O-00122
▷BS 7723, *in* T-00555
BS 7977-*D*, *in* X-00018
BS 100-141, *in* G-00103
▷BS 7020a, *in* D-00087
BS 7573a, *see* A-00048
▷BS 7616D, *see* T-00467
BSF-1, *see* I-00083
BSF2, *see* I-00085
BSM 906*M*, *see* C-00587
BSSG, *in* S-00151
BS 2653X, *in* A-00092
B-TH 920, *in* T-00009
BTM 1042, *in* D-00291
BTM 1086, *in* D-00291
▷B 208-Tropon, *see* C-00272
▷BTS 13622, *see* C-00621
BTS 17345, *see* F-00209
▷BTS 27419, *see* A-00349
BTS 49465, *see* F-00188
BTS 54524, *in* S-00065
BTTB, *see* X-00011
Bu 1014, *see* L-00072
BU 1063, *see* P-00523
▷BU 2231*A*, *see* T-00010
Bu 232, *in* U-00001
Bu 2517, *see* E-00041
▷Bu 620, *see* C-00557
BU 15275, *see* N-00025
▷BU 1709E_1, *in* B-00408
BU 1709E_2, *in* B-00408
▷BU 1975C_1, *in* B-00408
BU 1975C_2, *in* B-00408
Buban, *in* B-00359
Bucainide, B-00334
Bucainide maleate, *in* B-00334
▷Bucainol, *see* B-00381

▷Bucarban, *see* C-00070
▷Buccalsone, *in* C-00548
▷Bucetin, B-00335
Buciclovir, B-00336
Bucillamine, B-00337
Bucindolol, B-00338
Bucindolol hydrochloride, *in* B-00338
▷Bucladesine, *in* C-00591
▷Bucladesine sodium, JAN, *in* C-00591
Buclamase, *see* A-00147
Buclidan, *see* N-00098
▷Buclizine, B-00339
▷Buclizine hydrochloride, *in* B-00339
Buclosamide, B-00340
▷Bucloxic acid, B-00341
▷Bucloxonic acid, *see* B-00341
▷Bucolome, *in* C-00622
▷Bucricaine, *in* A-00333
Bucrilate, *see* M-00300
Bucromarone, B-00342
Bucrylate, *see* M-00300
▷Bucumarol, *see* B-00343
▷Bucumolol, B-00343
▷Buddleoflavonol, *see* D-00329
Buddleoflavonoloside, *in* D-00329
Budeson, *see* B-00344
Budesonide, B-00344
▷Budipine, *in* D-00503
Budotitane, B-00345
▷Budralazine, B-00346
BUE 0620, *see* F-00193
▷Bufedil, *in* P-00598
▷Bufemid, *see* B-00181
Bufenadrine, B-00347
Bufeniode, B-00348
Bufetolol, B-00349
▷Bufetolol hydrochloride, JAN, *in* B-00349
▷Bufexamac, B-00350
▷Bufezolac, *in* D-00515
Buflomedil, *see* P-00598
▷Bufogenin, *in* H-00128
▷Bufon, *see* N-00090
▷Bufor, *see* N-00090
▷Buformin, *see* B-00428
▷Buformin hydrochloride, JAN, *in* B-00428
▷Bufotalidin, *in* T-00477
Bufrolin, B-00351
▷Bufuralol, B-00352
Bufuronol, *see* B-00349
▷Bufylline, *in* T-00169
▷Bukorti, *in* C-00548
▷Bulboid, *see* G-00064
▷Bullatine *G*, *see* S-00100
Bulloside, *in* D-00274
Bumadizone, B-00353
▷Bumadizone calcium, *in* B-00353
▷Bumaflex, *in* B-00353
Bumecaine, B-00354
Bumedipil, B-00355
▷Bumetanide, B-00356
Bumetrizole, B-00357
▷Bunaftine, B-00358
Bunaiod, *see* B-00363
▷Bunamide, *see* B-00358
Bunamidine, B-00359
▷Bunamidine hydrochloride, *in* B-00359
Bunamiodyl, *see* B-00363
▷Bunaphtide, *see* B-00358
Bunaprolast, B-00360
Bunazosin, B-00361
▷Bundlin *A*, B-00362
▷Bundlin B, *in* B-00362
Buniodyl, B-00363
▷Bunitrolol, B-00364
▷Bunitrolol hydrochloride, JAN, *in* B-00364
Bunolol, B-00365
Bunolol hydrochloride, *in* B-00365
Buparvaquone, B-00366
▷Buphedrin, *in* B-00367
Buphenine, B-00367
Bupicomide, *in* B-00432
▷Bupivacaine, B-00368
▷Bupivacaine hydrochloride, *in* B-00368
▷Bupranolol, B-00369
▷Bupranolol hydrochloride, JAN, *in* B-00369
▷Buprenex, *in* B-00370
▷Buprenorphine, B-00370
▷Buprenorphine hydrochloride, JAN, *in* B-00370
Bupropion, B-00371
▷Bupropion hydrochloride, *in* B-00371
▷Buquineran, B-00372
Buquinolate, B-00373
Buquiterine, B-00374
Buramate, *see* H-00129
▷Burgodin, *see* B-00149
Burimamide, B-00375
▷Burine, *see* B-00356
▷Burinex, *see* B-00356
Burodiline, B-00376
▷Buronil, *in* M-00083
▷Buscopan, *in* S-00031
▷Buserelin, B-00377
Buserelin acetate, *in* B-00377
▷Busodium, *in* B-00380
▷Busotran, *in* B-00380
▷Buspar, *see* B-00378
▷Buspirone, B-00378
▷Buspirone hydrochloride, *in* B-00378
▷Busulfan, *see* B-00379
▷Busulphan, B-00379
▷Butabarbital, B-00380
▷Butabarbital sodium, *in* B-00380
▷Butacaine, B-00381
Butacetin, *see* B-00419
Butacetoluide, *see* B-00390
▷Butacide, *see* P-00293
Butaclamol, B-00382
Butaclamol hydrochloride, *in* B-00382
Butadiazamide, B-00383
Butafenone, *see* D-00519
Butafosfan, *see* B-00427
Butaglionamide, B-00384
Butalamine, B-00385
▷Butalbital, B-00386
▷Butallylonal, *see* B-00290
▷Butamben, *in* A-00216
Butamben picrate, *in* A-00216
Butamirate, *see* B-00389
▷Butamirate citrate, *in* B-00389
Butamisole, B-00387
Butamisole hydrochloride, *in* B-00387
Butamiverine, *see* B-00396
Butamoxane, B-00388
Butamyrate, B-00389
▷2,3-Butanedione bis[4-(2-piperidinoethyl)thiosemicarbazone, *see* B-00240
3,3′-[1,4-Butanediylbis[oxy(2-hydroxy-3,1-propanediyl)-(acetylimino)]]bis[5-(acetylmethylamino)-2,4,6-triiodobenzoic acid], *see* I-00150
1,1′-(1,4-Butanediyl)bis[1,2,3,4-tetrahydro-6,7-dimethoxyisoquinoline], *see* B-00232
Butanefrine, *see* E-00212
(*R**,*R**)-1,2,3,4-Butanetetrol, *see* T-00219
▷(*R**,*S**)-1,2,3,4-Butanetetrol, *see* E-00114
Butanilicaine, B-00390
2-(*p*-Butanilino)nicotinic acid, *see* B-00391
Butanixin, B-00391
1-Butanoic acid-26-L-aspartic acid-27-L-valine-29-L-alanine-1,7-dicarbacalcitonin (salmon), *see* E-00023
▷1-Butanoic acid-7-glycine-1,6-dicarbaoxytocin, *see* C-00076
1-Butanoic acid-2-(*O*-methyl-L-tyrosine)-1-carbaoxytocin, *see* C-00048

Butanserin, B-00392
Butantrone, B-00393
▷Butaperazine, B-00394
▷Butaperazine maleate, *in* B-00394
▷Butaphyllamine, *in* T-00169
▷Butaprobenz, *see* B-00381
Butaprost, B-00395
▷Butavate, *in* C-00437
Butaverine, B-00396
Butaxamine, *see* B-00418
Butazopyridine, *see* D-00121
Butedronic acid, B-00397
▷Butelline, *see* B-00381
▷(*E*)-2-Butenedioic acid, *see* F-00274
2-Butenoic acid ethenyl ester polymer with ethene and 2,5-furandione, *see* M-00014
α-2-Butenyl[1,1′-biphenyl]-4-acetic acid, *see* B-00180
14,17-[2-Butenylidenebis(oxy)]-11β-hydroxy-21-[(4-pyridinylcarbonyl)oxy]pregn-4-ene-3,20-dione, *see* N-00096
▷Buterazine, *see* B-00346
Buterizine, B-00398
▷Butesin, *in* A-00216
Butesin picrate, *in* A-00216
Butetamate, *see* B-00399
▷Butethal, *see* B-00430
Butethamate, B-00399
Butethamine, *see* M-00299
Buthalital, B-00400
Buthalital sodium, INN, *in* B-00400
▷Buthalitone sodium, BAN, *in* B-00386
Buthiazide, B-00401
▷Buthoid, *in* T-00169
Butibel-zyme, *in* B-00030
▷Butibufen, B-00402
Butidrine, B-00403
Butikacin, B-00404
Butilfenin, B-00405
Butinazocine, B-00406
▷Butine, *see* B-00381
Butinoline, B-00407
▷Butirosin, *see* B-00408
▷Butirosin *A*, B-00408
▷Butirosin B, *in* B-00408
▷Butirosin BU 1975C_1, *in* B-00408
Butirosin BU 1975C_2, *in* B-00408
▷Butirosin BU 1709E_1, *in* B-00408
Butirosin 1709E_2, *in* B-00408
▷Butisol, *see* B-00380
Butixirate, *in* B-00179
Butizide, *see* B-00401
▷Butobarbital, *see* B-00430
▷Butobarbitone, *see* B-00430
▷Butoben, *in* H-00113
Butobendine, B-00409
Butoconazole, B-00410
Butoconazole nitrate, *in* B-00410
Butocrolol, B-00411
Butoctamide, *see* E-00192
Butofilolol, B-00412
▷Butoforme, *in* A-00216
Butolan, *in* B-00127
▷Butonate, B-00413
Butopamine, B-00414
Butoprozine, B-00415
Butoprozine hydrochloride, *in* B-00415
▷Butopyronoxyl, B-00416
Butoril, *see* B-00373
Butorphanol, B-00417
▷Butorphanol tartrate, *in* B-00417
Butoxamine, B-00418
Butoxamine hydrochloride, *in* B-00418
4′-*tert*-Butoxyacetanilide, B-00419
3-[(*p*-Butoxybenzoyl)oxy]-2-methylbutyl]triethylammonium(1+), B-00420
3-[(4-Butoxybenzoyl)oxy]-*N*,*N*,*N*-triethyl-2-methyl-1-butananinium, *see* B-00420
8-(*p*-Butoxybenzyl)-3α-hydroxy-1α*H*,5α*H*-tropanium tropate, *see* B-00425
▷Butoxybenzylhyoscyamine bromide, *in* B-00425
▷*N*-*tert*-Butoxycarbonyl-β-alanyl-L-tryptophyl-L-methionyl-L-aspartyl-L-phenylalanine amide, *see* P-00079
▷2-Butoxy-*N*-[2-(diethylamino)ethyl]-4-quinolinecarboxamide, *see* C-00357
▷4-Butoxy-4′-(dimethylamino)thiocarbanilide, *see* T-00173
▷α-[2-(2-Butoxyethoxy)ethoxy]-4,5-(methylenedioxy)-2-propyltoluene, *see* P-00293
▷5-[2-(2-Butoxyethoxy)ethoxymethyl]-6-propyl-1,3-benzodioxole, *see* P-00293
2-Butoxyethyl nicotinate, *see* B-00421
2-Butoxyethyl 3-pyridinecarboxylate, B-00421
▷4-Butoxy-*N*-hydroxybenzeneacetamide, *see* B-00350
▷1-(3-Butoxy-2-hydroxypropyl)-5-ethyl-5-phenylbarbituric acid carbamate, *see* F-00022
Butoxylate, *in* D-00265
1-*tert*-Butoxy-3-methoxy-2-propanol, B-00422
2-(4-Butoxyphenoxy)-*N*-(2,5-diethoxyphenyl)-*N*-[2-(diethylamino)ethyl]acetamide, *see* F-00067
6-[[2-[[3-(4-Butoxyphenoxy)-2-hydroxypropyl]amino]ethyl]amino]-1,3-dimethyluracil, *see* P-00322
2-(4-Butoxyphenoxy)-*N*-(2-methoxyphenyl)-*N*-[2-(1-pyrrolidinyl)ethyl]acetamide, *see* F-00097
▷1-Butoxy-3-phenoxy-2-propanol, B-00423
▷4-[3-(4-Butoxyphenoxy)propyl]morpholine, *see* P-00398
▷2-(*p*-Butoxyphenyl)acetohydroxamic acid, *see* B-00350
▷*N*-(4-Butoxyphenyl)-*N*′-[4-(dimethylamino)phenyl]thiourea, *see* T-00173
8-[(4-Butoxyphenyl)methyl]-3-(3-hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-azoniabicyclo[3.2.1]octane, *see* B-00425
1-(4-Butoxyphenyl)-3-(1-piperidinyl)-1-propanone, *see* D-00623
4′-Butoxy-3-piperidinopropiophenone, *see* D-00623
3-Butoxyprocaine, *see* O-00146
3-[(6-Butoxy-3-pyridinyl)azo]-2,6-pyridinediamine, *see* D-00121
▷Butriptyline, B-00424
Butropium(1+), B-00425
▷Butropium bromide, *in* B-00425
▷Butryptyline hydrochloride, *in* B-00424
Butydrine, *see* B-00403
N-Butylaminoacetyl-6-chloro-*o*-toluidine, *see* B-00390
▷*N*-[(Butylamino)carbonyl]-4-methylbenzenesulfonamide, *see* T-00345
2-(Butylamino)-6′-chloro-*o*-acetatoluidide, *see* B-00390
2-Butylamino-*N*-(2-chloro-6-methylphenyl)acetamide, *see* B-00390
2-*tert*-Butylamino-1-(2-chlorophenyl)ethanol, B-00426
2-(*tert*-Butylamino)-3′-chloropropiophenone, *see* B-00371
▷1-(*tert*-Butylamino)-3-[(6-chloro-*m*-tolyl)oxy]-2-propanol, *see* B-00369
1-(*tert*-Butylamino)-3-(2,5-dichlorophenoxy)-2-propanol, *see* C-00493
α-[1-(*tert*-Butylamino)ethyl]-2,5-dimethoxybenzyl alcohol, *see* B-00418
1-*tert*-Butylamino-3-[2-(6-hydrazino-3-pyridazinyl)phenoxy]-2-propanol, *see* P-00441
▷4-Butylamino-2-hydroxybenzoic acid 2-dimethylaminoethyl ester, *see* H-00104
▷*o*-[3-(*tert*-Butylamino)-2-hydroxypropoxy]benzonitrile, *see* B-00364
3-[2-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-4-chlorophenyl]-2-cyclopenten-1-one, *see* E-00107
5-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-3,4-dihydro-2(1*H*)-isoquinolinecarboxaldehyde, *see* S-00103
5-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-3,4-dihydro-1(2*H*)-naphthalenone, *see* B-00365
2′-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-5′-fluorobutyrophenone, *see* B-00412
2′-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-2-furananilide, *see* A-00380
9-[3-(*tert*-Butylamino)-2-hydroxypropoxyl]-4-hydroxy-7-methyl-5*H*-furo[3,2-*g*][1]benzopyran-5-one, *see* B-00411

▷8-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-5-methylcoumarin, *see* B-00343

4-[3-(*tert*-Butylamino)-2-hydroxypropoxy]-2-methylisocarbostyril, *see* T-00274

▷[3-(*tert*-Butylamino)-2-hydroxypropoxy]phenyl]-3-cyclohexylurea, *see* T-00008

7-[3-(*tert*-Butylamino)-2-hydroxypropoxy]phthalide, *see* A-00082

2-(Butylaminomethyl)-1,4-benzodioxane, *see* B-00388

α-[(*tert*-Butylamino)methyl]-3,4-dihydroxybenzyl alcohol, *see* C-00537

▷α-[(*tert*-Butylamino)methyl]-3,5-dihydroxybenzyl alcohol, *see* T-00084

▷2-(Butylaminomethyl)-8-ethoxy-1,4-benzodioxan, *see* E-00158

[1-(Butylamino)-1-methylethyl]phosphinic acid, B-00427

▷α-[(Butylamino)methyl]-4-hydroxybenzenemethanol, *see* B-00010

▷α-[(Butylamino)methyl]-*p*-hydroxybenzyl alcohol, *see* B-00010

1-(*tert*-Butylamino)-3-[(2-methylindol-4-yl)oxy]-2-propyl benzoate, *see* B-00253

1-(*tert*-Butylamino)-3-[*o*-[2-(3-methyl-5-isoxazolyl)vinyl]-phenoxy]-2-propanol, *see* I-00215

α-[(*sec*-Butylamino)methyl]-5,6,7,8-tetrahydro-2-naphthalenemethanol, *see* B-00403

1-(*tert*-Butylamino)-3-[(4-morpholino-1,2,5-thiadiazol-3-yl)oxy]-2-propanol, *see* T-00288

▷3-(Butylamino)-4-phenoxy-5-sulfamoylbenzoic acid, *see* B-00356

▷3-(Butylamino)-α-phenyl-5-sulfamoyl-*p*-toluic acid, *see* B-00108

1-[*tert*-Butylamino-3-[(*o*-2-propynyloxy)phenoxy]-2-propanol, *see* P-00036

▷4-Butylaminosalicylic acid 2-dimethylaminoethyl ester, *see* H-00104

1-(*tert*-Butylamino)-3-[*o*-[(tetrahydrofurfuryl)oxy]phenoxy]-2-propanol, *see* B-00349

1-(*tert*-Butylamino)-3-[(1,2,3,4-tetrahydro-8-hydroxy-1,4-ethanonaphthalen-5-yl)oxy]-2-propanol, *see* N-00015

1-(*tert*-Butylamino)-3-(thiochroman-8-yloxy)-2-propanol, *see* T-00097

1-(*tert*-Butylamino)-3-(2,3-xylyloxy)-2-propanol, *see* X-00012

▷α-Butylbenzenemethanol, *see* P-00194

▷(5-Butyl-1*H*-benzimidazol-2-yl)carbamic acid methyl ester, *see* P-00032

▷Butyl benzoate, *in* B-00092

tert-Butyl benzoate, *in* B-00092

N-Butyl-1,4-benzodioxan-2-methylamine, *see* B-00388

▷(2-Butyl-3-benzofuranyl)[4-[2-(diethylamino)ethoxy]-3,5-diiodophenyl]methanone, *see* A-00342

▷α-Butylbenzyl alcohol, *see* P-00194

▷1-Butylbiguanide, B-00428

▷Butylcaine, *in* A-00216

▷Butylcarbamide, *see* C-00070

▷5-Butyl-5-(2-carbamoyloxyethyl)barbituric acid, *see* C-00068

▷Butyl chemosept, *in* H-00113

2-*tert*-Butyl-6-(5-chloro-2*H*-benzotriazol-2-yl)-*p*-cresol, *see* B-00357

N-Butyl-4-chloro-2-hydroxybenzamide, *see* B-00340

4-*tert*-Butyl-2-chloromercuriphenol, B-00429

▷(4-*tert*-Butyl-2-chlorophenyl) methyl methylphosphoramidate, *see* C-00572

N-Butyl-4-chlorosalicylamide, *see* B-00340

▷5-Butyl-1-cyclohexylbarbituric acid, *in* C-00622

2-(4-*tert*-Butylcyclohexylmethyl)-3-hydroxy-1,4-naphthoquinone, *see* B-00366

2-Butyldecahydro-4*a*,7,9-trihydroxy-6,8-bis(methylamino)-4*H*-pyrano[2,3-*b*][1,4]benzodioxin-4-one, *see* T-00557

1-Butyl-2-(3,4-dichlorophenylimino)pyrrolidine, *see* C-00420

▷*N*-Butyl-*N*-[2-(diethylamino)ethyl]-1-naphthalenecarboxamide, *see* B-00358

▷*N*-Butyl-*N*-[2-(diethylamino)ethyl]-1-naphthamide, *see* B-00358

Butyl difenoxilate, *in* D-00265

N-Butyl-2,3-dihydro-1,4-benzodioxin-2-methanamine, *see* B-00388

▷Butyl dihydro-6,6-dimethyl-4-oxopyran-2-carboxylate, *see* B-00416

▷Butyl 3,4-dihydro-2,2-dimethyl-4-oxo-2*H*-pyran-6-carboxylate, *see* B-00416

4-Butyl-1,2-dihydro-5-hydroxy-1,2-diphenyl-3,6-pyridazinedione, *see* D-00075

8-*tert*-Butyl-7,8-dihydro-5-methyl-6*H*-pyrrolo[3,2-*e*]-*s*-triazolo[1,5-*a*]pyrimidine, *see* B-00355

6-Butyl-1,4-dihydro-4-oxo-7-(phenylmethoxy)-3-quinolinecarboxylic acid methyl ester, *see* M-00232

▷*N*-Butyl-*N'*-[1-(6,7-dimethoxy-4-quinazolinyl)-4-piperidinyl]-urea, *see* B-00372

3-Butyl-1-[2-(dimethylamino)ethoxy]isoquinoline, *see* D-00392

▷2-(4-*tert*-Butyl-2,6-dimethylbenzyl)-2-imidazoline, *see* X-00023

▷1-Butyl-*N*-(2,6-dimethylphenyl)-2-piperidinecarboxamide, *see* B-00368

(4-Butyl-3,5-dioxo-1,2-diphenyl-4-pyrazolidinyl)methyl 4-chlorobenzoate, *see* F-00026

4,4'-(4-Butyl-3,5-dioxo-1,2-pyrazolidinediyl)-bis[benzenesulfonamide], *see* B-00384

2-Butyl-5-[[4-(diphenylmethyl)-1-piperazinyl]methyl]-1-ethyl-1*H*-benzimidazole, *see* B-00398

▷1-*tert*-Butyl-4,4-diphenylpiperidine, *in* D-00503

▷4-Butyl-1,2-diphenyl-3,5-pyrazolidinedione, *see* P-00180

Butyl-DNJ, *in* T-00481

▷*N*-Butyl-8-ethoxy-2,3-dihydro-1,4-benzodioxin-2-methanamine, *see* E-00158

▷5-Butyl-5-ethylbarbituric acid, B-00430

▷5-*sec*-Butyl-5-ethylbarbituric acid, *see* B-00380

N-Butyl-*N''*-ethylbiguanide, *see* E-00251

N-Butyl-*N''*-ethylimidodicarbonimidic diamide, *see* E-00251

▷5-Butyl-5-ethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00430

▷Butyl flufenamate, *see* U-00002

▷Butyl 4-hydroxybenzoate, *in* H-00113

α-Butyl-α-hydroxy-4,3-cresotic acid, *see* H-00139

4-Butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione *p*-chlorobenzoate, *see* F-00026

▷4-Butyl-4-(hydroxymethyl)-1,2-diphenyl-3,5-pyrazolidinedione hydrogen succinate, *see* S-00283

▷5-Butyl-5-(2-hydroxyoxyethyl)barbituric acid carbamate, *see* C-00068

▷4-Butyl-1-(4-hydroxyphenyl)-2-phenylpyrazolidine-3,5-dione, *see* O-00158

16α,17-[Butylidenebis(oxy)]-11β,21-dihydroxy-1,4-pregnadiene-3,20-dione, *see* B-00344

▷6-*tert*-Butyl-3-(2-imidazolin-2-ylmethyl)-2,4-dimethylphenol, *see* O-00153

▷*N*-Butylimidodicarbonimidic diamide, *see* B-00428

α-Butylimino-4-chloro-α-(2-chlorophenyl)-*o*-cresol, *see* F-00052

2-[(Butylimino)(2-chlorophenyl)methyl]-4-chlorophenol, *see* F-00052

2-[(3-Butyl-1-isoquinolinyl)oxy]-*N*,*N*-dimethylethanamine, *see* D-00392

Butylmalonic acid mono(1,2-diphenylhydrazide), *see* B-00353

2-Butyl-4-methoxy-1-naphthalenol acetate, *see* B-00360

3-Butyl-7-[4-[4-(2-methoxyphenyl)-1-piperazinyl]butyl]-9,9-dimethyl-3,7-diazabicyclo[3.3.1]nonane-2,4,6,8-tetrone, *see* U-00007

N-Butyl-2-methyl-*N*-(4-methyl-2-oxazolyl)propanamide, *see* I-00176

4-Butyl-4-[(4-methyl-1-piperazinyl)methyl]-1,2-diphenyl-3,5-pyrazolidinedione, *see* P-00276

▷2-*sec*-Butyl-2-methyl-1,3-propanediol dicarbamate, *see* M-00039

▷Butylnorsynephrine, *see* B-00010

▷Butyloctopamine, *see* B-00010

▷Butylparaben, *in* H-00113

▷Butyl parasept, *in* H-00113

▷*p*-[3-(*p*-*tert*-Butylphenoxy)-2-hydroxypropoxy]benzoic acid, *see* T-00083
N-[2-[(4-Butylphenyl)amino]-2-oxoethyl]-*N*-(carboxymethyl)-glycine, *see* B-00405
2-[(4-Butylphenyl)amino]-3-pyridinecarboxylic acid, *see* B-00391
2-[(*o*-*tert*-Butyl-α-phenylbenzyl)oxy]-*N*,*N*-dimethylethylamine, *see* B-00347
▷Butyl phenyl carbinol, *see* P-00194
α-*tert*-Butylphenyl-4-(diphenylmethyl)-1-piperazinebutanol, *see* T-00411
Butyl β-phenyl-1-piperidinepropanoate, *see* B-00396
▷α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile, B-00431
Butyl 3-phenyl-3-(1-piperidyl)propionate, *see* B-00396
▷4-Butyl-1-phenyl-3,5-pyrazolidinedione, *see* M-00420
▷5-Butylpicolinic acid, *see* B-00432
Butyl β-piperidinohydrocinnamate, *see* B-00396
2-*tert*-Butyl-α-[2-(4-piperidyl)ethyl]-4-quinolinemethanol, *see* Q-00008
Butylpropanedioic acid mono(1,2-diphenylhydrazide), *see* B-00353
▷5-Butyl-2-pyridinecarboxylic acid, B-00432
N-(1-Butyl-2-pyrrolidinylidene)-3,4-dichlorobenzenamine, *see* C-00420
▷Butylscopolammonium bromide, *in* S-00031
▷1-Butyl-3-sulfanilylurea, *see* C-00070
6-Butyl-1,4,7,10-tetrahydro-4,10-dioxo-1,7-phenanthroline-2,8-dicarboxylic acid, *see* B-00351
Butyl 3′-(1*H*-tetrazol-5-yl)oxanilate, *see* T-00039
N-(5-Butyl-1,3,4-thiadiazol-2-yl)-*p*-chlorobenzenesulfonamide, *see* B-00383
▷*N*-(*tert*-Butyl-1,3,4-thiadiazol-2-yl)sulfanilamide, *see* G-00063
▷*N*′-(5-*tert*-Butyl-1,3,4-thiadiazol-2-yl)sulfanilamide, *see* G-00062
1-(4-*tert*-Butyl-2-thiazolyl)-4-methylpiperazine, *see* T-00045
▷4-Butylthio-α-phenylbenzyl 2-dimethylaminoethyl sulfide, *see* C-00033
▷2-[[[4-(Butylthio)phenyl]phenylmethyl]thio]-*N*,*N*-dimethylethanamine, *see* C-00033
▷1-Butyl-3-(*p*-tolylsufonyl)urea, *see* T-00345
▷Butyl 2-[[3-(Trifluoromethyl)phenylamino]benzoate, *see* U-00002
▷Butyl *N*-(α,α,α-trifluoro-*m*-tolyl)anthranilate, *see* U-00002
1-Butyl-*N*-(2,4,6-trimethylphenyl)-2-pyrrolidinecarboxamide, *see* B-00354
N-*tert*-Butyl-*N*,1,1-trimethyl-2-propynylamine, *see* B-00433
1-Butyl-2′,4′,6′-trimethyl-2-pyrrolidinecarboxanilide, *see* B-00354
▷Butylurethane, *see* E-00176
▷1-Butyl-2-(2,6-xylylcarbamoyl)piperidine, *see* B-00368
▷Butyn, *see* B-00381
Butynamine, B-00433
▷1,1′-(2-Butyne-1,4-diyl)bispyrrolidine, *see* T-00409
▷1,1′-(2-Butynylene)dipyrrolidine, *see* T-00409
3-(3-Butynyl)-2,3,4,5-tetrahydro-11,11-dimethyl-2,6-methano-3-benzazocine-6,8(1*H*)-diol, *see* B-00406
3-Butyramido-α-ethyl-2,4,6-triiodocinnamic acid, *see* B-00363
3-Butyramido-α-ethyl-2,4,6-triiodohydrocinnamic acid, *see* T-00581
▷1-Butyric acid-6-(L-2-aminobutyric acid)-7-glycineoxytocin, *see* C-00076
1-Butyric acid-2-[3-(4-methoxyphenyl)-L-alanine]oxytocin, *see* C-00048
10-Butyryl-1,8-dihydroxyanthrone, *see* B-00393
10-Butyryldithranol, *see* B-00393
▷Butysal, *see* E-00188
▷Butysedal, *see* E-00188
Butyvinal, *see* V-00046
Buzepide, B-00434
Buzepide metiodide, *in* B-00434
BV 26-723, *see* B-00331
BVD, *see* B-00261
BVDU, *see* B-00322
▷B.W. 32*U*, *see* T-00158
B.W. 122*U*, *in* B-00314
▷BW 197*U*, *see* D-00124
BW 207*U*, *see* T-00465
▷BW 276*U*, *see* D-00123
BW 301*U*, *see* P-00338
BW 323*U*, *see* B-00371
BW 325*U*, *see* T-00458
BW 50-1, *see* E-00208
▷B.W. 50-71, *see* T-00202
BW 532*U*, *see* C-00366
BW 55-5, *see* P-00564
▷BW 61-32, *in* S-00152
BW 63-90, *see* B-00419
BW 64-9, *in* B-00418
BW 942*C*, *in* N-00109
BW 337-*C*-48, *see* D-00509
▷BW 356*C*-61, *see* G-00050
▷BW 49-191, *see* D-00258
BW 49-210, *see* D-00147
▷BW 50-197, *see* D-00124
BW 51-291, *in* A-00294
▷BW 57-233, *in* L-00110
▷BW 57-322, *see* A-00513
▷BW 57323, *see* T-00178
▷BW 57-373, *in* B-00271
▷BW 58-271, *see* R-00079
▷BW 61-356, *see* G-00050
▷BW 62-415, *in* B-00359
▷BW 64-545, *in* X-00020
BW 68-198, *see* D-00141
BWA 515*U*, *in* A-00060
BW A746*C*, *see* I-00190
BW A256C, *see* P-00004
BW A78U, *see* F-00182
BW A509U, *see* Z-00013
BW A 938U, *in* D-00589
BW B1090U, *in* M-00409
BW 430C, *see* D-00125
BW 720C, *see* B-00366
BW 825C, *see* A-00049
BW 467-C-60, *see* B-00114
▷BW 545-C-64, *in* X-00020
▷BW 33-T-57, *in* M-00264
BW 234U, *in* R-00056
▷BW 248U, *see* A-00060
BW 647 U, *in* B-00174
BX 311, *in* G-00072
BX 341, *see* B-00163
BX 363*A*, *in* C-00337
BX 428, *see* T-00089
BX 430, *in* T-00089
BX 591, *see* A-00009
BX 650A, *in* I-00166
BX 661A, *in* B-00008
Byakangelicin, B-00435
Byakangelicol, B-00436
Byk 1512, *see* H-00068
▷Bykahepar, *see* C-00409
Bykonox, *see* V-00046
▷BZ 55, *see* C-00070
BZQ, *see* B-00102
C 29, *see* B-00112
▷C 49, *see* D-00258
1-C50, *see* E-00208
C 1428, *see* C-00587
▷C 162*D*, *in* Q-00035
▷C 1656, *see* C-00468
▷C 172, *in* C-00294
C1755, *see* P-00451
C 2124, *see* G-00007
▷C-238, *see* D-00511
▷238C, *in* D-00511
C 247, *see* D-00476
▷C283, *see* N-00163

▷C-434, *in* T-00493
C 4675, *in* P-00091
▷C 5581*H*, *see* P-00210
▷C 5720, *see* C-00099
57 C 65, *see* C-00464
▷C 7337, *see* P-00175
75-25C, *see* M-00048
▷C 7819*B*, *see* N-00050
▷C 9295, *in* A-00499
▷C 9333, *see* N-00180
C 10213-*Go*, *see* S-00028
▷C 18-205, *see* N-00050
▷191-C-49, *see* D-00258
C 193901, *see* C-00478
C 20410, *see* E-00260
291 C 51, *in* A-00294
▷C 34647*Ba*, *see* B-00003
C41795, *see* C-00524
C 48401, *see* H-00010
611C55, *in* T-00164
CA-7, *see* B-00273
▷Ca 1022, *see* C-00070
C 076A_{1a}, *see* A-00479
C 076A_{2a}, *see* A-00481
C 076A_{1b}, *see* A-00480
C 076A_{2b}, *see* A-00482
Cabastine, C-00001
Cabergoline, C-00002
▷Cabimicina, *see* H-00001
Cabucine, *in* A-00087
Cachectin, *see* T-00575
▷Cacodylic acid, *see* D-00424
▷Cactinomycin, *see* A-00054
Cadeguomycin, C-00003
▷Cadralazine, C-00004
Caerulein, C-00005
Caerulomycin, C-00006
Caerulomycin B, *in* C-00006
Caerulomycin C, *in* C-00006
Caeruluomycin *A*, *see* C-00006
▷Caesium chloride, C-00007
▷Cafaminol, C-00008
▷Cafedrine, C-00009
▷Cafergot, *in* E-00106
▷Caffeine, C-00010
Caffoline, *in* A-00123
Cafide, *see* B-00412
▷Cainasurfa, *see* C-00625
▷Cajeputol, *see* C-00360
▷Calactin, *in* G-00079
Caladryl, *in* C-00011
Calamine, C-00011
Calan, *in* V-00019
▷Calan, *see* V-00042
Calbogen, *in* C-00055
Calcein, *see* O-00033
Calcet, *in* G-00055
α-Calcidiol, *see* A-00109
Calcifediol, *see* H-00221
▷Calciferol, C-00012
▷Calcimux, *in* H-00132
Calciopor, *in* O-00140
▷Calciparin, *in* H-00026
Calcitare, *in* C-00013
Calcite, *in* C-00014
Calcitonin *M*, *in* C-00013
Calcitonin *S*, *in* C-00013
▷Calcitonin, C-00013
Calcitonin (salmon), *see* S-00013
Calcitonin (salmon reduced) cyclic (1→7) disulfide, *see* S-00013
▷Calcitriol, *in* A-00109
Calcium benzamidosalicylate, *in* A-00264
▷Calcium carbimide, *in* C-00579
Calcium carbonate, C-00014
Calcium Chel 330, *in* P-00094
Calcium clofibrate, *in* C-00456
▷Calcium disodium versenate, *in* E-00186
▷Calcium dobesilate, *in* D-00313
Calcium gluconate, *in* G-00055
▷Calcium homopantothenate, *in* H-00088
▷Calcium hopantenate, JAN, *in* H-00088
▷Calcium hydroxide, C-00015
Calcium levulinate, *in* O-00134
▷Calcium pantothenate, *in* P-00016
Calcium pidolate, *in* O-00140
Calcium polycarbophil, *in* P-00382
Calcium sodium ferriclate, *see* F-00089
Calcium sulphaloxate, *in* S-00241
Calcium trisodium pentetate, *in* P-00094
Calderol, *see* H-00221
Caldorene, *see* D-00456
▷Calebassine, C-00016
▷*C*-Calebassine, *see* C-00016
▷*C*-Calebassine *A*, *see* C-00016
Calglucon, *in* G-00055
▷Calibene, *see* S-00283
Calirsan, *in* C-00013
C-Alkaloid A, *in* C-00016
C-Alkaloid F, *in* C-00016
Callicrein, *see* K-00003
Calmacid, *see* B-00434
Calmador, *in* Z-00035
Calmalone, *see* C-00587
Calmatel, *see* P-00250
Calmeran, *see* D-00506
Calmidazolium(1+), C-00017
▷Calmixen, *see* P-00257
▷Calmodor, *in* D-00492
▷Calnegyt, *in* G-00111
Calocaine, C-00018
▷Calodal, *see* M-00134
Calomide, *see* C-00529
▷Calotropin, *in* G-00079
▷Caloxtoxin, *in* G-00079
▷Calpanate, *in* P-00016
Calpyrodil, *in* O-00140
▷Calusterone, *in* H-00123
CAM, *see* E-00178
CAM 807, *see* B-00150
Camalon, *see* C-00587
Camalox, *in* C-00014
Camalox, *in* M-00008
▷Camazepam, C-00019
▷Camben, *see* C-00020
▷Cambendazole, C-00020
▷Cambenzole, *see* C-00020
▷Camcolit, *see* L-00058
▷Camdan, *see* C-00020
▷Camiverine, C-00021
Camoform, *see* B-00150
▷Camolar, *in* C-00603
▷Camoquin, *in* A-00353
Camostat, C-00022
Camostat mesylate, *in* C-00022
▷cAMP, *see* C-00591
▷Campazine, *in* P-00450
▷2-Camphanone, *see* C-00023
▷Camphidonium, *in* T-00499
▷Camphilen, *see* C-00023
Camphonium, *in* T-00499
▷Camphor, C-00023
(+)-Camphoric acid, *in* T-00508
(−)-Camphoric acid, *in* T-00508
(±)-Camphoric acid, *in* T-00508
(+)-Camphorimide, *in* T-00508
(±)-Camphorimide, *in* T-00508
Camphoroxime, *in* C-00023
▷Camphotamide, *in* D-00241
▷Camphramine, *in* D-00241
Camptothecin, C-00024
▷Camvet, *see* C-00020

▷Camylofin, *in* D-00234
▷Camylofin hydrochloride, *in* D-00234
Camyna, *see* T-00214
Canbisol, C-00025
▷Candaseptic, *see* C-00256
▷Canderel, *in* A-00460
▷Canescine, *see* D-00093
▷Canforal, *see* C-00023
Canforemetina, *in* E-00036
▷Canforetil, *see* C-00023
▷Cannabinol, C-00026
▷Cannabis, *in* C-00026
▷Canocenta, *see* L-00104
Canopar, *in* T-00164
Canrenoic acid, *in* H-00186
Canrenone, C-00027
▷Canronoate potassium, *in* H-00186
▷Cantabiline, *see* H-00156
▷Cantharides camphor, *see* C-00028
▷Cantharidin, C-00028
▷Cantharone, *see* C-00028
Cantor, *in* M-00381
Cantrodifene, *see* N-00186
CAP, *in* C-00248
▷Caparside, *see* A-00450
▷Caparsolate, *see* A-00450
Capastat, *see* C-00031
Capben, *see* C-00030
Caperatic acid, C-00029
Capiscil, *see* N-00086
Capistan, *in* H-00107
Capitrol, *see* D-00190
▷Capitus, *see* E-00207
▷Capla, *see* M-00039
▷Capobenate sodium, *in* C-00030
Capobenic acid, C-00030
Capostatin, *see* C-00031
▷Capoten, *see* C-00034
Capreomycin, C-00031
▷Capreomycin I*A*, *in* C-00031
▷Capreomycin I*B*, *in* C-00031
▷Capreomycin II, *in* C-00031
Capreomycin sulfate, *in* C-00031
Caprochlorone, *see* C-00220
▷Caprocid, *see* A-00259
Caprocin, *in* C-00031
▷Caprokol, *see* H-00071
Caprolin, *see* C-00031
Capromycin, *see* C-00031
Caprosem, *in* H-00111
Caproxamine, C-00032
▷*n*-Caprylic acid, *see* O-00014
▷Caprylonitrile, *in* O-00014
▷Captagon, *in* F-00047
▷Captamine, *in* A-00252
▷Captamine hydrochloride, *in* A-00252
▷Captodiame, C-00033
▷Captodiamine, *see* C-00033
▷Captodramine hydrochloride, *in* C-00033
▷Captopril, C-00034
Capuride, C-00035
Caracemide, C-00036
▷Caramiphen, C-00037
Carampicillin, *see* B-00001
▷Carazolol, C-00038
▷Carbachol, *in* C-00040
▷Carbadox, C-00039
Carbaica, *in* A-00275
Carbaldrate, *see* D-00307
▷Carbamazepine, *in* D-00155
Carbamazine, *see* D-00248
▷Carbamic acid, *N*-(1-methylethyl), 2-[[(aminocarbonyl)oxy]-methyl]-2-methylpentyl ester, *see* C-00078
▷Carbamidal, *see* D-00254
▷Carbamide, *see* U-00011
▷Carbamide peroxide, *in* U-00011
Carbamimidothioic acid 9,10-anthracenediylbis(methylene)ester, *see* A-00404
▷Carbamina, *in* T-00434
▷*N*-Carbamoylarsanilic acid, *see* C-00043
Carbamoylcholine(1+), C-00040
▷(3-Carbamoyl-3,3-diphenylpropyl)diisopropylmethylammonium, *see* I-00199
▷(β-Carbamoyl-3,3-diphenylpropyl)ethyldimethylammonium, *see* A-00175
1-(2-Carbamoylethyl)-4-phenylisonipecotic acid ethyl ester, *see* C-00092
▷Carbamoylhydroxylamine, *see* H-00220
1-[2-(3-Carbamoyl-4-hydroxyphenoxy)ethylamino]-3-[4-(2-methoxyethoxy)phenoxy]-2-propanol, *see* T-00471
▷*N*-(Carbamoylmethyl)arsanilic acid, C-00041
N^5-Carbamoylornithine, *see* C-00405
4-Carbamoyloxymethyl-2-methyl-2-nonyl-1,3-dioxolan, *see* D-00473
▷4-(4-Carbamoyl-4-piperidinopiperidino)-2,2-diphenylbutyronitrile, *see* P-00337
▷10-[3-(4-Carbamoylpiperidino)propyl]-2-methanesulfonylphenothiazine, *see* M-00332
▷3-(4-Carbamoyl-1-pyridinomethyl)-7-(2-thienylacetamido)-3-cephem-4-carboxylate, *see* C-00175
▷*O*-Carbamoylsalicylic acid lactam, *see* B-00097
Carbamylmethylcholine, *see* B-00143
▷1-Carbamyl-2-phenylhydrazine, *see* P-00207
N-Carbamyltaurine, *in* T-00030
Carbantel, C-00042
Carbantel lauryl sulfate, *in* C-00042
Carbapentane, *see* C-00046
▷Carbaphen, *see* P-00207
▷Carbaril, *in* M-00238
▷Carbarsone, C-00043
▷Carbaryl, *in* M-00238
▷Carbarzone, *see* C-00043
▷Carbased, *see* A-00007
▷Carbaspirin calcium, USAN, *in* A-00026
Carbaurine, *in* B-00127
Carbazeran, C-00044
▷Carbazilquinone, *see* C-00063
Carbazochrome, *in* A-00077
▷Carbazochrome salicylate, *in* A-00077
▷1-(4-Carbazolyloxy)-3-(isopropylamino)-2-propanol, *see* C-00038
1-(9*H*-Carbazol-4-yloxy)-3-[[2-(2-methoxyphenoxy)ethyl]-amino]-2-propanol, *see* C-00105
▷1-(9*H*-Carbazol-4-yloxy)-3-[(1-methylethyl)amino]-2-propanol, *see* C-00038
Carbenicillin, C-00045
▷Carbenicillin disodium, *in* C-00045
Carbenicillin indanyl, *see* C-00077
▷Carbenicillin indanyl sodium, *in* C-00077
Carbenicillin phenyl, *see* C-00074
▷Carbenicillin phenyl sodium, *in* C-00074
Carbenicillin potassium, *in* C-00045
▷Carbenoxolone, *in* G-00072
▷Carbenoxolone sodium, *in* G-00072
▷Carbenzide, *in* M-00233
▷Carbestrol, *see* E-00200
Carbetane, *in* C-00046
Carbetapentane, C-00046
Carbethimer, *see* C-00047
3-Carbethoxyamino-5-dimethylaminoacetyl-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepine, *see* B-00252
1-[2-(2-Carbethoxy-5,6-dimethoxy-3-indolyl)ethyl]-4-phenylpiperazine, *see* A-00146
▷4-Carbethoxymethyl-4-phenylazacycloheptane, *see* E-00157
▷4-Carbethoxy-1-methyl-4-phenylhexamethylenimine, *see* E-00157
Carbetidine, *see* E-00265
Carbetimer, C-00047
Carbetocin, C-00048
Carbic acid, *in* B-00157
Carbic anhydride, *in* B-00157
Carbidium(1+), C-00049

Carbidium ethane sulfonate, *in* C-00049
▷Carbidopa, C-00050
Carbifene, *see* C-00053
Carbilazine, *see* D-00248
▷Carbimazole, C-00051
▷Carbinoxamine, C-00052
▷Carbinoxamine maleate, *in* C-00052
Carbiphene, C-00053
▷Carbiphene hydrochloride, *in* C-00053
▷Carbocaine, *see* M-00101
▷Carbocaine hydrochloride, *in* M-00101
Carbocalcitonin, *see* E-00023
▷Carbocisteine, *see* C-00065
▷Carbocisteine, *in* C-00654
Carbocloral, *in* T-00438
▷Carbocromen, *see* C-00312
▷Carbocromen hydrochloride, JAN, *in* C-00312
▷Carbocysteine, *see* C-00065
▷Carbodiimide, *see* C-00579
Carbodine, C-00054
11-(*N*-Carboethoxy-4-piperidylidene)-8-chloro-6,11-dihydro-5*H*-benzo[5,6]cyclohepta[1,2-*b*]pyridine, *see* L-00092
▷Carbofenotion, *see* C-00060
▷Carbofos, *see* M-00013
▷Carbolic acid, *see* P-00161
Carbolonium(2+), C-00055
Carbolonium bromide, *in* C-00055
▷Carbomycin, C-00056
▷Carbomycin *A*, *see* C-00056
[Carbonato(2−)-*O*,*O*']dihydroxyaluminate(1−) sodium, *see* D-00307
[Carbonato(2−)]heptahydroxy(aluminium)trimagnesium, *see* A-00134
▷Carbon bisulfide, *see* C-00058
▷Carbon dioxide, C-00057
▷Carbon disulfide, C-00058
Carbonic acid 4-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]-formylamino]-3-[(ethoxycarbonyl)thio]-3-pentenyl ethyl ester, *in* T-00174
▷Carbonic acid bis(2,2,2-trichloroethyl) ester, *see* T-00435
Carbonic acid ethyl 1-[[2-methyl-3-[(2-pyridinylamino)-carbonyl]-2*H*-1,2-benzothiazin-4-yl]oxy]ethyl ester *S*,*S*-dioxide, *see* A-00370
▷Carbonic anhydride, *see* C-00057
▷Carbonolol hydrochloride, *in* C-00102
▷Carbon tetrachloride, C-00059
N,*N*'-Carbonylbisacetamide, *in* U-00011
▷8,8'-[Carbonylbis[imino-3,1-phenylenecarbonylimino(4-methyl-3,1-phenylene)carbonylimino]]bis-1,3,5-naphthalenetrisulfonic acid, *see* S-00275
3,3'-(Carbonyldiimino)bisbenzenecarboximidamide, *see* A-00186
6,6'-(Carbonyldiimino)bis(1-methylquinolinium), *see* Q-00037
▷Carbophenothion, C-00060
▷Carbophos, *see* M-00013
▷Carboplatin, C-00061
▷Carboprost, C-00062
Carboprost methyl, *in* C-00062
▷Carboprost trometamol, *in* C-00062
▷Carboprost tromethamine, *in* C-00062
▷Carboquone, C-00063
▷Carbostesin, *see* B-00368
▷Carbothiamine, *see* C-00640
Carbothiazol, *see* M-00015
N-Carboxy-4-aminobenzoic acid, C-00064
[3-(α-Carboxy-*o*-anisamido)-2-hydroxypropyl]hydroxymercury, *see* M-00122
p-[2-(α-Carboxy-*p*-anisoyl)vinyl]benzoic acid, *see* C-00365
(2-Carboxybenzoyl)ferrocene, *see* F-00090
α-Carboxybenzylpenicillin, *see* C-00045
7-(3-Carboxy-2-butenoxy)coumarin, *in* H-00114
7-(3-Carboxybutoxy)coumarin, *in* H-00114
1-[2-[(1-Carboxybutyl)amino]-1-oxopropyl]octahydro-1*H*-indole-2-carboxylic acid, *see* P-00123
α-Carboxycaproyl-*N*,*N*'-diphenylhydrazine, *see* B-00353
N-(2-Carboxycaproyl)hydrazobenzene, *see* B-00353
p-Carboxycarbanilic acid, *see* C-00064
p-Carboxycarbanilic acid 4,4'-bis(2-diethylaminoethyl)-trimethylene ester, *see* T-00455
N-[2-Carboxy-2-[(carboxymethyl)amino]ethyl]aspartic acid, *in* A-00462
3-[[(2-Carboxycyclohexyl)carbonyl]oxy]-11-oxoolean-12-en-29-oic acid, *see* C-00337
7-Carboxy-7-deazaguanosine, *see* C-00003
10-Carboxy-13-deoxocarminomycin, *in* C-00081
2-Carboxy-2,3-dihydro-α,γ-dimethyl-δ-oxo-1*H*-indole-1-pentanoic acid α-ethyl ester, *see* P-00104
[6-Carboxy-6-(2,2-dimethylcyclopropanecarboxamido)-5-hexenyl]cysteine, *see* C-00342
2-Carboxy-1,1-dimethylpyrrolidinium (2-hydroxyethyl)-trimethylammonium(2+), *see* T-00413
N^6-[2-(4-Carboxy-5,5-dimethyl-2-thiazolidinyl)-*N*-(phenylacetyl)glycyl]-N^2-formyllysine, *see* L-00041
4-Carboxy-5,5-dimethyl-2-thiazolidinyl]-*N*-[(phenylacetyl)-glycyl]-L-lysine monopotassium salt dodecapeptide, *in* P-00071
5-[[4-[[(1-Carboxyethyl)amino]carbonyl]phenyl]azo-2-hydroxybenzoic acid, *see* B-00008
5-[4-(2-Carboxyethylcarbamoyl)phenylazo]salicylic acid, *see* B-00008
17α-(2-Carboxyethyl)-17β-hydroxyandrosta-4,6-dien-3-one lactone, *see* C-00027
2-[[(5-Carboxy-5-formamidopentyl)carbamoyl](2-phenylacetamido)methyl]-5,5-dimethyl-4-thiazolidinecarboxylic acid, *see* L-00041
S-(7-Carboxy-4-hexyl-9-oxoxanthen-2-yl)-*S*-methylsulfoximine, *see* S-00175
4'-(3-Carboxy-4-hydroxyphenylazo)hippuric acid, *see* I-00166
3-Carboxy-2-hydroxy-*N*,*N*,*N*-trimethyl-1-propanaminium hydroxide inner salt, *see* C-00084
Carboxyimamidate, *see* C-00047
N-(3-Carboxy-5-methoxyacetamido-2,4,6-triodobenzoyl)-serinemethylamide, *see* I-00135
[2-[[(2-Carboxymethoxy)benzoyl]amino]-1-hydroxyethyl]-hydroxymercury, *see* M-00122
4-[2-(4-Carboxymethoxybenzoyl)vinyl]benzoic acid, *see* C-00365
5-(5-Carboxy-2-methoxy-1-methylpentyl)-5-de(3-carboxy-2-methoxy-1-methylbutyl)monensin, *in* M-00428
4-[3-[4-(Carboxymethoxy)phenyl]-3-oxo-1-propenyl]benzoic acid, *see* C-00365
5-[[4-[[(Carboxymethyl)amino]carbonyl]phenyl]azo]-2-hydroxybenzoic acid, *see* I-00166
▷*S*-Carboxymethylcysteine, C-00065
N-(Carboxymethyl)-*N*-[2-[(2,6-diethyl-3-iodophenyl)amino]-2-oxoethyl]glycine, *see* G-00008
N-(Carboxymethyl)-*N*-[2-[(2,6-diethylphenyl)amino]-2-oxoethyl]glycine, *see* E-00235
▷*N*-Carboxy-1-methyl-9,10-dihydrolysergamine benzyl ester, *see* M-00159
N-(Carboxymethyl)-*N*,*N*-dimethyl-3-[(1-oxohexadecyl)amino]-1-propanaminium hydroxide, inner salt, *see* P-00060
(Carboxymethyl)dimethyl(3-palmitamidopropyl)ammonium, *see* P-00060
▷*N*-(Carboxymethyl)-*N*-[2-[(2,6-dimethylphenyl)amino]-2-oxoethyl]glycine, *see* L-00044
Carboxymethylenebis-4-hydroxycoumarin, *see* B-00219
▷2-Carboxy-4-(1-methylethenyl)-3-pyrrolidineacetic acid, *see* K-00001
N-(Carboxymethyl)-2-hydroxy-*N*,*N*-dimethylethanaminium hydroxide inner salt, *see* O-00110
(Carboxymethyl)(2-hydroxyethyl)dimethylammonium hydroxide inner salt, *see* O-00110
▷[[(Carboxymethyl)imino]bis(ethylenenitrilo)]tetraacetic acid, *see* P-00094
▷3-Carboxymethyl-4-isopropenylproline, *see* K-00001
Carboxymethylmenadione monoxime, *see* M-00087
N-(Carboxymethyl)-*N*-[2-[[4-(1-methylethyl)phenyl]amino]-2-oxoethyl]glycine, *see* I-00160

▷4-*O*-(Carboxymethyl)rifamycin, *see* R-00047
3-[(Carboxymethyl)thio]propanoic acid, C-00066
▷(Carboxymethyl)trimethylammonium hydroxide inner salt, *see* B-00140
▷*N*-Carboxy-3-morpholinosydnone imine ethyl ester, *see* M-00425
N-(4-Carboxy-1-oxobutyl)-L-alanyl-L-tyrosylglycyl-L-tryptophyl-L-leucyl-L-α-aspartyl-L-phenylalaminamide, *see* D-00094
6-Carboxy-N^6-[*N*-[*N*-(1-oxododecyl)-L-alanyl]-D-γ-glutamyl]-L-lysinamide, *see* T-00001
▷20-Carboxy-11-oxo-30-norolean-12-en-3-yl 2-*O*-β-D-glucopyranuronosyl-α-D-glucopyranosiduronic acid, *see* G-00073
3-(3-Carboxy-1-oxopropoxy)olean-9(11)-en-29-oic acid, *see* D-00057
[3-[[[(3-Carboxy-1-oxopropyl)amino]carbonyl]amino]-2-methoxypropyl](1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purin-7-yl)mercury, *see* M-00112
▷2-(5-Carboxypentyl)-4-thiazolidone, *see* A-00039
2-[(2-Carboxyphenyl)amino]-4-chlorobenzoic acid, *see* L-00066
p-Carboxyphenylcarbamic acid, *see* C-00064
▷9-(*o*-Carboxyphenyl)-6-hydroxy-3*H*-xanthen-3-one, *see* F-00180
7-[*N*-[1-Carboxy-3-phenylpropyl]alanyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, *see* S-00118
1-[*N*-(1-Carboxy-3-phenylpropyl)alanyl]hexahydro-2-indolinecarboxylic acid 1-ethyl ester, *see* I-00063
1-[*N*-(1-Carboxy-3-phenylpropyl)-L-alanyl]-L-proline, *see* E-00043
9-[(1-Carboxy-3-phenylpropyl)amino]octahydro-10-oxo-6*H*-pyridazino[1,2-*a*][1,2]diazepine-1-carboxylic acid, *see* C-00343
1-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *see* R-00008
1-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-octahydro-1*H*-indole-2-carboxylic acid, *see* T-00396
2-[2-[(1-Carboxy-3-phenylpropyl)amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, *see* Q-00012
3-[(1-Carboxy-3-phenylpropyl)amino]-2,3,4,5-tetrahydro-2-oxo-1*H*-1-benzazepine-1-acetic acid, *see* B-00038
1-[N^2-(1-Carboxy-3-phenylpropyl)lysyl]proline, *see* L-00057
N^1-(*o*-Carboxyphenyl)sulfanilamide, *see* S-00205
[(*o*-Carboxyphenyl)thio]ethylmercury, *see* E-00198
N-(4-Carboxyphenyl)xylosamine, *see* X-00025
2-[(3-Carboxypropyl)thio]-4-methyl-5-thiazoleacetic acid, *see* T-00319
(3-Carboxypropyl)trimethylammonium methyl ester, *see* C-00100
6-(3-Carboxy-2-quinoxalinecarboximido)penicillanic acid, *see* Q-00009
α-Carboxy-3-thienylmethylpenicillin, *see* T-00255
[3-(3-Carboxy-2,3,3-trimethylcyclopentanecarboxamido)-2-methoxypropyl](hydrogen mercaptoacetato)mercury, *see* M-00118
[3-(3-Carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methyoxypropyl]hydroxomercury, C-00067
▷Carboxy-*N*,*N*,*N*-trimethylmethanaminium hydroxide inner salt, *see* B-00140
2-Carboxy-1,1,6-trimethylpiperidinium diethyl-(2-hydroxyethyl)-methylammonium, *see* D-00215
2-Carboxy-1,1,6-trimethylpiperidinium(2-hydroxyethyl)-trimethylammonium, *see* D-00376
N-Carboxy-L-tryptophyl-L-methionyl-L-α-aspartyl-3-phenyl-L-alaninamide *N*-*tert*-pentyl ester, *see* A-00354
▷Carbrital, *in* P-00101
▷Carbromal, *see* B-00300
▷Carbromide, *in* B-00297
▷Carbubarb, C-00068
▷Carbubarbital, *see* C-00068
Carburazepam, C-00069
▷Carbutamide, C-00070
Carbuterol, C-00071
▷Carbuterol hydrochloride, *in* C-00071
Carcainium(1+), C-00072
Carcainium chloride, *in* C-00072
▷Carcholin, *in* C-00040
Carcinil, *in* L-00035
▷Carcinolipin, *in* C-00306
▷Cardelmycin, *see* N-00228
Cardiac natriuretic hormone, *see* A-00473
▷Cardiazol, *see* T-00133
▷Cardidigin, *in* D-00275
Cardilate, *in* E-00114
Cardiloid, *in* E-00114
▷Cardine, *see* V-00057
▷Cardiografin, *in* D-00138
Cardio-green, *see* I-00062
▷Cardiolan, *in* D-00275
▷Cardiolipol, *see* N-00090
Cardiolite, *in* M-00205
▷Cardion, *in* D-00319
Cardionatrin, *see* A-00473
▷Cardiosteril, *see* D-00579
▷Cardiotrast, *in* D-00363
Cardisan, *in* A-00254
Cardison, *see* D-00449
▷Carditin, *see* P-00423
Cardiwell, *in* E-00114
Cardobiol, *see* C-00030
Cardovar, *in* T-00490
▷Cardrase, *see* E-00162
▷Carduben, *see* V-00057
Carebastine, C-00073
Carfecillin, C-00074
▷Carfecillin sodium, JAN, *in* C-00074
Carfenazine, *see* C-00095
Carfenil, *see* L-00066
▷Carfentanil, C-00075
Carfentanil citrate, *in* C-00075
▷Carfexil, *in* C-00074
▷Carfimate, *in* P-00204
Carfonal, *in* F-00123
▷Cargutocin, C-00076
Cariamyl, *in* H-00029
▷Caricap, *in* D-00313
Caricide, *see* D-00248
Caridian, *in* M-00097
Carindacillin, C-00077
▷Carindacillin sodium, JAN, *in* C-00077
Carindapen, *see* C-00077
▷Carisoprodate, *see* C-00078
▷Carisoprodol, C-00078
▷Carlytene, *in* T-00227
Carmantadine, *see* A-00062
▷Carmetizide, C-00079
▷Carmifal, *see* B-00124
Carminazone, *in* C-00081
▷Carmine blue, *in* I-00058
Carminic acid, C-00080
▷Carminomycin I, C-00081
Carminomycinone, *in* C-00081
Carmofur, C-00082
▷Carmubris, *see* B-00199
▷Carmurit, *see* D-00131
▷Carmustine, *see* B-00199
▷Carnacid-Cor, *in* T-00474
▷Carnidazole, C-00083
Carnitine, C-00084
Carocainide, C-00085
Carofur, *see* N-00129
▷Caroid, *see* P-00018
Carolic acid, C-00086
Carotaben, *see* C-00088
α-Carotene, C-00087
β-Carotene, C-00088
γ-Carotene, C-00089
Caroverine, C-00090

▷Caroxazone, C-00091
Carperidine, C-00092
▷Carperone, C-00093
Carpesterol, C-00094
Carphenazine, C-00095
▷Carphenazine maleate, *in* C-00095
Carphenol, *in* B-00127
Carpindolol, C-00096
▷Carpiperone, *see* P-00274
▷Carpipramine, C-00097
Carprazidil, C-00098
▷Carprofen, C-00099
Carpronium(1+), C-00100
▷Carpronium chloride, *in* C-00100
▷Carsalam, *see* B-00097
Cartab, *see* N-00075
Cartazolate, C-00101
Carteolol, C-00102
▷Carteolol hydrochloride, JAN, *in* C-00102
Carticaine, C-00103
▷Cartrol, *in* C-00102
▷Carubicin, *see* C-00081
▷Carubicin hydrochloride, *in* C-00081
Carumonam, C-00104
Carumonam sodium, *in* C-00104
Carvedilol, C-00105
6,8-Carvomenthenediol, *see* H-00162
Caryatin, *in* P-00082
▷Caryolysine, *see* D-00193
▷Carzenide, *in* S-00217
▷Carzinophilin, C-00106
Carzolamide, *in* P-00563
CAS 108, *see* A-00145
CAS 7709, *see* R-00014
CAS 924, *see* N-00085
CAS 997, *see* T-00188
Casakol, *in* C-00107
Casanthranol, C-00107
Cascaroside A, *in* B-00013
Cascaroside B, *in* B-00013
Cascaroside C, *in* B-00013
Cascaroside D, *in* B-00013
▷Casfen, *see* C-00272
Casmalon, *see* C-00587
Cassic acid, *see* D-00309
▷Castron, *in* M-00289
Catabex, *see* D-00610
Catabolin, *see* I-00080
Catalin, *see* P-00318
▷Catalin, *in* P-00319
▷Catapres, *in* C-00477
Catapressan, *see* C-00477
▷Catapyrin, *see* A-00291
▷Catechin, *in* P-00081
▷Catechol, *in* P-00081
Catechol-3-carboxylic acid, *see* D-00315
▷Catenulin, *see* P-00039
▷Catergen, *in* P-00081
Cathine, *in* A-00308
Cathinone, *see* A-00309
▷Cathocin, *see* N-00228
▷Cathomycin, *see* N-00228
Cationomycin, C-00108
Catosal, *see* B-00427
▷Catran, *in* M-00289
▷Catrol, *in* M-00289
▷Causerin, *see* A-00033
▷Cavinton, *see* V-00042
▷Cavodil, *in* M-00289
Cavosept, *in* D-00179
C-AZT, *see* A-00522
▷CB 11, *in* P-00138
▷CB 1048, *see* B-00198
CB1314, *in* D-00346
▷CB 1348, *see* C-00194
1352 CB, *see* C-00570
▷CB 154, *in* E-00103
▷CB 1639, *see* A-00230
CB 1664, *see* A-00016
▷1678 CB, *in* P-00504
CB 1700, *in* D-00414
2087 CB, *see* C-00453
CB 2136, *see* C-00370
CB 2201, *see* A-00182
CB 302, *in* F-00088
▷CB 304, *in* A-00514
▷CB 3007, *in* M-00084
CB 309, *in* M-00298
3020 CB, *see* O-00126
▷CB 3025, *in* M-00084
▷CB 3026, *in* M-00084
CB 311, *see* H-00090
▷CB 313, *see* D-00180
▷CB 337, *see* H-00170
CB 3697, *in* M-00269
▷CB 4091, *see* B-00053
CB 4260, *see* N-00223
▷CB 4261, *see* T-00154
▷4306 CB, *in* C-00494
4311 CB, *in* C-00494
4335 CB, *in* N-00171
CB 4857, *see* M-00091
CB 4985, *see* A-00037
▷CB 8002, *see* I-00180
▷CB 804, *in* B-00341
▷CB 8022, *see* N-00211
▷CB 8027, *see* M-00138
▷8049 CB, *in* D-00265
CB 8073, *in* D-00372
▷CB 8075, *see* O-00086
▷CB 8080, *in* E-00227
▷8088 C.B., *see* B-00052
▷8089 CB, *see* B-00060
8093 CB, *see* A-00157
▷8102 CB, *see* B-00011
▷10615 CB, *see* N-00124
11380 CB, *see* N-00123
CB 12025, *see* N-00117
CB 28046, *see* M-00032
▷CB 54106, *see* P-00041
C 076B_{1a}, *see* A-00483
C 076B_{2a}, *see* A-00485
▷CBA 93626, *see* C-00479
C 076B_{1b}, *see* A-00484
C 076B_{2b}, *see* A-00486
C-49802B-Ba, *in* O-00092
▷CBDCA, *see* C-00061
CBM 36-733, *see* M-00125
CBS 1276, *in* I-00018
CBS 634, *see* N-00099
CBS 645, *see* M-00367
▷CC 1065, *see* R-00001
C-C 2481, *see* C-00328
C-C 2489, *see* B-00324
CCA, *see* L-00066
CCI 15641, *in* C-00161
CCI 18781, *in* F-00227
CCK 8, *see* S-00077
CCK-PZ, *see* C-00304
▷CCNU, *see* L-00083
▷CCRG 81010, *see* M-00408
CCRG 81045, *see* T-00064
▷CD 37*B*, *in* N-00229
▷CD 072, *in* D-00370
CD 3400, *see* R-00027
CDB 903, *in* N-00221
C 15003 deClQND-O, *in* M-00027
C 15003 deClQ-O, *in* M-00027
▷CDP-Choline, *see* C-00655
▷CE 305, *see* F-00129
Cébévir, *see* I-00001
Cébé-Viran, *see* I-00001

▷Cebin V, *in* O-00068
▷Cebione, *in* A-00456
▷Cebratrol, *see* F-00224
▷Cecenu, *see* L-00083
▷Ceclor, *see* C-00109
▷Cedur, *see* B-00148
▷Ceepryn, *in* H-00043
Ceetolan, *see* B-00118
Cefacetrile, *see* C-00170
▷Cefacetrile sodium, JAN, *in* C-00170
Cefaclomezine, *see* C-00171
▷Cefaclor, C-00109
▷Cefadroxil, C-00110
▷Cefadyl, *in* C-00115
▷Cefalexin, *see* C-00173
▷Cefaloglycin, *see* C-00174
▷Cefalonium, *see* C-00175
Cefaloram, C-00111
▷Cefaloridine, *see* C-00176
▷Cefalotin, *see* C-00178
Cefamandole, C-00112
▷Cefamandole nafate, *in* C-00112
▷Cefamandole sodium, JAN, *in* C-00112
▷Cefamedin, *in* C-00120
▷Cefamezin, *in* C-00120
Cefanone, C-00113
Cefaparole, C-00114
▷Cefapirin, C-00115
▷Cefathiamidine, C-00116
▷Cefatrexyl, *in* C-00115
▷Cefatrix, *see* C-00117
▷Cefatrizine, C-00117
Cefazaflur, C-00118
Cefazaflur sodium, *in* C-00118
Cefazedone, C-00119
▷Cefazolin, C-00120
▷Cefazolin sodium, *in* C-00120
Cefbuperazone, C-00121
▷Cefbuperazone sodium, *in* C-00121
Cefcanel, C-00122
Cefcanel daloxate, *in* C-00122
Cefedrolor, C-00123
Cefempidone, C-00124
Cefepime, C-00125
Cefetamet, C-00126
Cefetrizole, C-00127
Cefivitril, C-00128
Cefixime, C-00129
▷Cefizox, *in* C-00158
▷Cefmax, *in* C-00130
Cefmenoxime, C-00130
▷Cefmenoxime hydrochloride, *in* C-00130
Cefmepidium(1+), C-00131
Cefmepidium chloride, *in* C-00131
▷Cefmetazole, C-00132
Cefmetazole sodium, JAN, *in* C-00132
▷Cefmetazon, *see* C-00132
Cefmetoxime, *see* C-00130
Cefminox, C-00133
Cefobid, *in* C-00136
Cefobis, *in* C-00136
Cefodizime, C-00134
Cefonicid, C-00135
Cefonicid monosodium, *in* C-00135
Cefonicid sodium, *in* C-00135
Cefoperazone, C-00136
Cefoperazone sodium, *in* C-00136
Ceforanide, C-00137
▷Cefortam, *see* C-00152
Cefotan, *in* C-00139
Cefotaxime, C-00138
▷Cefotaxime sodium, *in* C-00138
▷Cefotetan, C-00139
Cefotetan sodium, JAN, *in* C-00139
▷Cefotiam, C-00140
▷Cefotiam hydrochloride, JAN, *in* C-00140
Cefoxazole, *see* C-00179
▷Cefoxitin, C-00141
▷Cefoxitin sodium, JAN, *in* C-00141
Cefpimizole, C-00142
Cefpimizole sodium, *in* C-00142
Cefpiramide, C-00143
Cefpiramide sodium, *in* C-00143
Cefpirome, C-00144
Cefpivtetrame, *in* C-00153
Cefpodoxime, C-00145
Cefpodoxime proxetil, *in* C-00145
Cefprozil, C-00146
Cefquinone, C-00147
▷Cefradine, *see* C-00180
Cefrotil, C-00148
▷Cefroxadine, C-00149
Cefsulmide, *see* C-00151
Cefsulodin, C-00150
▷Cefsulodin sodium, *in* C-00150
Cefsumide, C-00151
▷Ceftazidime, C-00152
Cefteram, C-00153
Ceftetrame, *see* C-00153
Ceftezole, C-00154
Ceftezole sodium, JAN, *in* C-00154
▷Ceftiazole, *see* C-00140
Ceftibuten, C-00155
▷Ceftin, *see* C-00152
Ceftiofur, C-00156
Ceftiofur hydrochloride, *in* C-00156
Ceftiofur sodium, *in* C-00156
Ceftiolene, C-00157
Ceftioxide, *in* C-00138
▷Ceftix, *in* C-00158
Ceftizoxime, C-00158
▷Ceftizoxime sodium, *in* C-00158
Ceftriaxone, C-00159
Ceftriaxone sodium, *in* C-00159
Cefuracetime, C-00160
▷Cefuroxime, C-00161
Cefuroxime axetil, *in* C-00161
Cefuroxime pivoxetil, *in* C-00161
▷Cefuroxime sodium, JAN, *in* C-00161
Cefuzonam, C-00162
Cefvixime, *see* C-00129
Cehamasten, *see* N-00125
▷Celactal, *see* X-00021
▷Celatonium napadisilate, *in* A-00044
▷Celbar, *see* O-00034
▷Celbenin, *in* M-00180
Celectol, *see* C-00163
Celeport, *see* B-00161
Celfuron, *see* P-00366
▷Celiomycin, *see* V-00050
Celiprolol, C-00163
Celiprolol hydrochloride, *in* C-00163
Celiptium, *in* E-00028
Cellulase, C-00164
Cellulose, C-00165
Cellulose acetate, *in* C-00165
Cellulose xanthate, *in* C-00165
▷Celontin, *see* D-00447
Celoslin, *see* C-00154
▷Celospor, *in* C-00170
▷Celtol, *in* C-00170
▷Celvan, *in* V-00003
▷Cemetol, *see* C-00132
Cemiod, *see* D-00365
▷Cemix, *in* C-00130
Cenacert, *see* O-00094
▷Cenazole, *see* T-00133
▷Cenolate, *in* A-00456
Censedal, *see* N-00055
Centaquin, *see* C-00166
Centbutindole, *see* B-00183
▷Centedrin, *in* R-00065

▷Centelase, *in* T-00485
Centhaquine, C-00166
Centimizone, *see* M-00392
Centperazine, C-00167
Centphenaquin, C-00168
▷Centpropazine, C-00169
Centrac, *in* P-00462
▷Centralgil, *see* P-00546
▷Centralgol, *see* P-00546
Centrazene, *see* D-00429
▷Centrine, *see* A-00296
▷Centrolyse, *in* B-00424
Centrotron, *in* P-00592
Centsulphone, *see* S-00221
Ceosunin, *in* C-00005
▷Cepacol, *in* H-00043
Cephacetrile, C-00170
▷Cephacetrile sodium, *in* C-00170
Cephachlomazine, C-00171
▷Cephaclor, *see* C-00109
▷Cephadroxil, *see* C-00110
Cephaeline, C-00172
▷Cephalexin, C-00173
▷Cephalexin pivaloyloxymethyl ester, *see* P-00363
▷Cephalmin, *in* T-00208
▷Cephaloglycin, C-00174
▷Cephalonium, C-00175
Cephaloram, *see* C-00111
▷Cephaloridine, C-00176
▷Cephalosporin *C*, C-00177
▷Cephalosporin *N*, *see* P-00066
▷Cephalosporin 871, *see* C-00178
Cephalosporin 87-312, *see* N-00173
▷Cephalotaxine 4-methyl 2-hydroxy-2-(3-hydroxy-3-methylbutyl)-butanedioate(ester), *see* H-00022
▷Cephalothin, C-00178
▷Cephalothin sodium, *in* C-00178
▷Cephalotin, *see* C-00178
Cephamandole, *see* C-00112
Cephanone, *see* C-00113
▷Cephapirin sodium, *in* C-00115
▷Cephazolin, *see* C-00120
Cephmenoxime, *see* C-00130
Cephoxazole, C-00179
▷Cephradine, C-00180
Cephulac, *see* L-00005
▷Ceplac, *in* E-00118
Cepoxillin, *see* C-00179
▷Cepravin, *see* C-00175
▷Cepticol, *see* C-00117
Ceracyanin, *see* K-00009
▷Cerazole, *see* S-00256
▷Cerberin, *in* D-00274
Cerberoside, *in* D-00274
Cerbex, *see* T-00078
▷Cercobin, *see* T-00207
▷Cereb, *see* C-00655
Cerekinon, *see* T-00491
▷Cerespan, *in* P-00019
CERFA 114, *in* T-00257
▷Cergem, *see* G-00015
▷CERM 1709, *see* N-00083
▷1766 CERM, *see* O-00076
▷CERM 1841, *see* F-00160
CERM 1875, *see* F-00085
▷CERM 1978, *in* B-00134
CERM 3024, *see* Z-00023
CERM 3519, *see* T-00085
CERM 3726, *see* E-00056
CERM 4205, *in* D-00582
730-CERM, *in* A-00357
CERM 746, *see* E-00091
CERM 898, *in* A-00350
CERM 10137, *see* T-00358
▷Cer-O-cillin, *see* A-00137
▷Cerocral, *see* I-00020
Certalgon, *in* P-00180
▷Cerubidin, *in* D-00019
Ceruletide, *see* C-00005
Ceruletide diethylamine, JAN, *in* C-00005
Cerulex, *in* C-00005
Cerulomycin, *see* C-00006
▷Cervagem, *see* G-00015
Cervoxan, *in* E-00003
▷Cesamet, *see* N-00002
▷Cesametic, *see* N-00002
Cesapral, *see* P-00530
▷Cescan-131, *in* C-00007
▷Cesol, *see* P-00406
▷Cestox, *see* P-00406
▷Cetab, *in* H-00044
Cetaben, *in* A-00216
Cetaben sodium, USAN, *in* A-00216
▷Cetadiol, *in* A-00382
Cetalkonium, *see* B-00118
Cetalkonium chloride, *in* B-00118
Cetamolol, C-00181
Cetamolol hydrochloride, *in* C-00181
▷Cetanovo, *see* C-00369
▷Cetapred, *in* P-00412
Cetapril, *see* A-00090
▷Cetarin, *in* H-00166
Cethexonium(1+), C-00182
Cethexonium chloride, *in* C-00182
Cetiedil, C-00183
Cetiedil citrate, *in* C-00183
▷Cetiprin, *in* E-00035
Cetirizine, C-00184
Cetirizine hydrochloride, *in* C-00184
▷Cetobemidone, *see* K-00014
▷Cetocycline, *see* C-00190
Cetofenicol, *see* C-00185
Cetohexazine, *see* D-00450
Cetol, *see* B-00118
Cetophenicol, C-00185
Cetosal, *in* H-00112
Cetosalol, *in* H-00112
▷Cetotetrin, *see* C-00190
Cetotiamine, *in* T-00174
Cetotiamine hydrochloride, JAN, *in* T-00174
▷Cetovister, *in* H-00110
Cetoxime, C-00186
▷Cetrane, *see* Q-00004
Cetraxate, C-00187
▷Cetraxate hydrochloride, *in* C-00187
Cetrenel, *see* C-00030
▷Cetrimide, *in* H-00044
Cetrimide, *in* T-00512
Cetrimonium, *see* H-00044
▷Cetrimonium bromide, *in* H-00044
▷Cetrimonium chloride, *in* H-00044
Cetrimonium tosilate, *in* H-00044
▷Cetylamine, *see* H-00042
▷Cetylcide, *in* E-00182
Cetylethyldimethylammonium, *see* E-00182
Cetylpyridinium, *see* H-00043
▷Cetylpyridinium chloride, *in* H-00043
Cetyltrimethylammonium, *see* H-00044
▷Cevalin, *in* A-00456
▷(3β,4α,6α,7α,15α,16β)-3,4,6,7,14,15,16,20-Cevaneoctol, *see* P-00543
(3β,5α,6α)-Cevane-3,6,20-triol, *see* V-00024
▷Cevanol, *in* B-00034
▷Cevrin, *in* M-00189
CF 25-397, *see* T-00300
C-Factor, *in* S-00078
C-Film, *see* N-00206
▷CG 201, *in* B-00147
CG 3033, *see* S-00272
▷CG 315*E*, *in* D-00416
CG 3509, *see* O-00062
CG 3703, *see* M-00431

CG 4203, *in* T-00027
CG 4305, *see* N-00054
CG 635, *see* E-00241
CGA 23654, *see* N-00186
CGA 56766, *see* C-00376
CGA 72662, *see* C-00653
CGA-89317, *see* T-00446
CG B3*Q*, *see* C-00154
CG-B6K, *see* E-00091
▷CGG 6E, *in* O-00151
▷CGP 3543 *E*, *see* B-00158
▷CGP 4540, *see* N-00180
CGP 4718*A*, *in* C-00217
CGP 6258, *see* O-00116
CGP 7760*B*, *in* P-00419
▷CGP 9000, *see* C-00149
CGP 11305*A*, *in* B-00278
CGP 15720, *see* P-00584
▷CGP 25827 *A-E*, *in* F-00247
CGP 12103A, *in* O-00092
CGP 15564B, *see* E-00111
CGP 7174E, *see* C-00150
▷CGP 14221E, *in* C-00140
CGS 5391*B*, *in* E-00059
CGS 7135*A*, *in* A-00498
CGS 9343*B*, *in* D-00292
CGS 10078*B*, *in* B-00043
CGS 10746*B*, *in* P-00097
CGS 10787*B*, *in* P-00439
CGS 13080, *see* P-00341
CGS 13945, *see* P-00104
CGS 14824*A*, *in* B-00038
CGS 14831, *in* B-00038
CGS 7525A, *in* A-00433
Ch 55, *see* D-00174
CH 123, *see* A-00040
CH 846, *in* E-00003
21679 CH, *see* M-00014
CH 29-717, *see* D-00541
Chandonium(2+), C-00188
Chandonium iodide, *in* C-00188
Chardonna, *in* B-00030
▷Chartreusin, C-00189
Chaulmestrol, *in* C-00627
Chaulmoogric acid, *see* C-00627
Chaulmoogrina, *see* C-00627
Chaulmoogrol, *in* C-00627
CHBZ, *see* E-00008
▷Chebutan, *see* K-00006
▷Checkmate, *in* S-00087
▷Cheirotoxin, *in* T-00478
▷Chelafer, *in* C-00308
▷ψ-Chelerythrine, *see* S-00022
Chellol, *see* K-00023
▷Chelocardin, C-00190
▷β-Chelocardin, *see* C-00190
▷Chem-Cast, *see* H-00207
Chemestrogen, *see* B-00077
▷Chemipen, *in* P-00152
▷Chemocide PK, *in* H-00113
Chemococcid, *in* R-00069
Chemodyn, *see* B-00129
▷Chemosan, *see* A-00076
▷Chenic acid, *in* D-00320
▷Chenodeoxycholic acid, *in* D-00320
▷Chenodiol, *in* D-00320
▷Cheque, *see* M-00361
Chethoxyrol, *in* C-00306
▷Chetobemidone, *see* K-00014
▷17-Chetovis, *in* H-00110
Chevalizon, *in* X-00025
▷Chibromycine, *see* R-00046
▷Chibro-Rifamycin, *see* R-00046
Chimaphilin, *see* D-00434
▷Chinapyramin, *in* A-00207
▷Chiniofon, INN, *in* H-00143
▷Chinoform, *see* C-00244
▷Chinoline, *see* Q-00029
▷Chinoral, *see* H-00211
Chinovosamine, *see* A-00240
▷Chinoxone, *see* H-00195
▷Chinsedal, *in* H-00126
▷Chin Z-F, *in* H-00126
▷CHIP, *see* I-00162
▷Chisindamon, *in* C-00207
Chitosamine, *see* A-00235
▷Chiyorhizin *AN*, *in* G-00073
▷Chloditan, *see* D-00180
▷Chlodophen, *in* F-00054
Chloflumid, *see* C-00459
▷Chlolebrine, *see* I-00094
Chlomethocillin, *see* C-00470
▷Chlophedianol, C-00191
Chlophedianol hydrochloride, *in* C-00191
▷Chlophenadione, *see* C-00264
▷Chloquin, *see* H-00120
Chloquinate, *in* C-00284
▷Chloracizine, *see* C-00192
▷Chloracon, *see* B-00022
▷Chloractil, *in* C-00298
▷Chloracysin, *see* C-00192
▷Chloracyzine, C-00192
Chloral betaine, *in* T-00433
▷Chloral hydrate, *see* T-00433
Chloralodol, *see* C-00205
Chloralosane, *see* C-00193
Chloralose, C-00193
Chloral urethane, *in* T-00438
▷Chlorambucil, C-00194
▷Chloramine, *see* D-00193
Chloramine *B*, *in* B-00075
▷Chloramine T, *in* C-00289
▷Chloramphenicol, C-00195
▷Chloramphenicol palmitate, *in* C-00195
Chloramphenicol pantothenate, *in* C-00195
Chlorarsen, *see* A-00270
▷Chloraseptine, *in* C-00289
▷Chlorathrombon, *see* C-00264
▷Chlorazanil, *see* C-00275
Chlorazinil hydrochloride, *in* C-00275
▷Chlorazin (Soviet), *in* C-00603
Chlorazodin, *see* D-00181
▷Chlorazol Sky Blue FF, *see* A-00532
Chlorbenzoxamine, C-00196
Chlorbenzoxyethamine, *see* C-00196
▷Chlorbetamide, C-00197
▷Chlorcetin, *see* C-00195
Chlorcinnazine, *see* C-00443
▷Chlorcyclizine, C-00198
▷Chlorcyclizine hydrochloride, *in* C-00198
▷Chlordantoin, C-00199
▷Chlordiazepoxide, C-00200
▷Chlordiazepoxide hydrochloride, *in* C-00200
Chlordimorine, C-00201
▷Chlordithane, *see* D-00180
▷Chloreal, *see* T-00442
▷Chlorethaminacil, *see* B-00197
Chlorethindole, C-00202
▷Chloretone, *see* T-00440
▷Chlorfenvinphos, C-00203
▷Chlorguanide, C-00204
Chlorhexadol, C-00205
▷Chlorhexidine, C-00206
▷Chlorhexidine gluconate, *in* C-00206
Chlorhexidine hydrochloride, *in* C-00206
▷Chlorhistapyridamine, *see* C-00292
▷Chlorhydrosulfide, *see* T-00194
▷Chloridin, *see* P-00585
▷Chloriguane, *see* C-00204
▷Chlorimipramine, *see* C-00472
Chlorimpiphenine, *see* I-00028
▷Chlorindanol, *see* C-00252

▷Chlorisept, *see* C-00249
Chlorisondamine(2+), C-00207
▷Chlorisondamine chloride, *in* C-00207
▷Chlormadinone, C-00208
▷Chlormadinone acetate, *in* C-00208
▷Chlormeprazine, *see* P-00450
▷Chlormerodrin, C-00209
▷Chlormeroprin, *see* C-00209
▷Chlormethiazole, *see* C-00238
▷Chlormethine, *see* D-00193
Chlormethylenecycline, *see* C-00473
▷Chlormezanone, C-00210
▷Chlormidazole, C-00211
▷Chlornaphazine, *see* B-00198
▷Chloroacetamide, C-00212
2-Chloroacetyl-5-nitrofuran, C-00213
▷2-Chloroadenosine, C-00214
2-Chloroadenosine 5′-(2-amino-1-oxopropyl)sulfamate, *see* A-00454
Chloroalbofungin, *in* A-00100
4-[(Chloroamino)sulfonyl]benzoic acid, *see* M-00427
▷3-(*p*-Chloroanilino)-10-(*p*-chlorophenyl)-2,10-dihydro-2-isopropylimino)phenazine, *see* C-00450
▷*p*-[2-(5-Chloro-*o*-anisamido)ethyl]benzoic acid, *see* M-00071
▷1-[[*p*-[2-(5-Chloro-*o*-anisamido)ethyl]phenyl]sulfonyl]-3-cyclohexylurea, *see* G-00032
1-[[*p*-[2-(5-Chloro-*o*-anisamido)ethyl]phenyl]sulfonyl]-3-methylurea, *see* G-00038
4-Chloroanisole, *in* C-00260
Chloroazodin, *see* D-00181
5-Chlorobarbituric acid, *see* C-00283
4-Chlorobenzaldehyde *O*-[3-[4-(2-chlorophenyl)-1-piperazinyl]-2-hydroxypropyl]oxime, *see* P-00110
▷4-Chloro-1,3-benzenedisulfonamide, *in* C-00215
4-Chloro-1,3-benzenedisulfonic acid, C-00215
N-Chlorobenzenesulfonamide, *in* B-00075
▷1-(4-Chlorobenzhydryl)-4-methyl-1,4-diazacycloheptane, *see* H-00083
▷1-(4-Chlorobenzhydryl)-4-methylpiperazine, *see* C-00198
2-[4-(4-Chlorobenzhydryl)-1-piperazinyl]ethoxyacetic acid, *see* C-00184
▷*p*-Chlorobenzhydryl 2-(1-piperidinyl)ethyl ether, *see* C-00482
N-(5-Chloro-2-benzimidazolylmethyl)-*N*-phenyl-*N*′,*N*′-dimethylethylenediamine, *see* M-00366
▷6-Chloro-1,2-benzisothiazol-3(2*H*)-one, C-00216
4-(5-Chloro-2-benzofuranyl)-1-methylpiperidine, C-00217
4-Chlorobenzoic acid 3-ethyl-7-methyl-3,7-diazabicyclo[3.3.1]-non-9-yl ester, *see* B-00192
▷6-Chloro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* C-00288
5-Chloro-2,1,3-benzothiadiazol-4-yl(2-imidazolin-2-yl)amine, *see* T-00330
1-[2-[(7-Chlorobenzo[*b*]thien-3-yl)methoxy]-2-(2,4-dichlorophenylethyl]-1*H*-imidazole, *see* S-00051
2-(5-Chloro-2*H*-benzotriazol-2-yl)-6-(1,1-dimethylethyl)-4-methylphenol, *see* B-00357
▷5-Chloro-2-benzoxazolamine, *see* A-00225
5-Chloro-2-benzoxazolecarboxylic acid 2-ethoxyethyl ester, *see* E-00008
▷5-Chloro-2-benzoxazolinone, *see* C-00218
▷5-Chloro-2(3*H*)-benzoxazolone, C-00218
▷2-[4-[2-[(4-Chlorobenzoyl)amino]ethyl]phenoxy]-2-methylpropanoic acid, *see* B-00148
2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]propanoic acid, C-00219
5-(4-Chlorobenzoyl)-1,4-dimethyl-1*H*-pyrrole-2-acetic acid, *see* Z-00035
▷1-(4-Chlorobenzoyl)-*N*-hydroxy-5-methoxy-2-methyl-1*H*-indole-3-acetamide, *see* O-00082
1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-acetate 1,3-dihydro-3-oxo-1-isobenzofuranyl ester, *see* T-00011
▷1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-acetic acid, *see* I-00065
▷3-(4-Chlorobenzoyl)-6-methoxy-2-methyl-1*H*-indole-1-acetic acid, *see* C-00468
▷1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-acetic acid carboxymethyl ester, *see* A-00013
1-(*p*-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid 3-hydroxyphthalide, *see* T-00011
1-(*p*-Chlorobenzoyl)-5-methoxy-2-methyl-3-indoleacetic acid 3-pyridylmethyl thioester, *see* P-00256
▷1-(*p*-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetohydroxamic acid, *see* O-00082
2-[[[1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indol-3-yl]-acetyl]amino]-2-deoxyglucose, *see* G-00052
N-[[1-(4-Chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indol-3-yl]-acetyl]serine, *see* S-00048
▷4-[(Chlorobenzoyl)(4-methoxyphenyl)amino]butanoic acid, *see* C-00409
▷2-[4-(4-Chlorobenzoyl)phenoxy]-2-methylpropanoic acid, *see* F-00062
4-[4-(4-Chlorobenzoyl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, *see* C-00499
▷1-(4-Chlorobenzoyl)-3-(1*H*-tetrazol-5-ylmethyl)-1*H*-indole, *see* I-00087
1-[γ-(*p*-Chlorobenzyl)cinnamyl]pyrrolidine, *see* P-00594
▷1-(*o*-Chlorobenzyl)-α-[(di-*sec*-butylamino)methyl]pyrrole-2-methanol, *see* V-00030
2-(*p*-Chlorobenzyl)-1-(2-diethylaminoethyl)-5-nitrobenzimidazole, *see* C-00478
▷2-[(*p*-Chlorobenzyl)[2-(dimethylamino)ethyl]amino]pyridine, *see* H-00019
1-(*m*-Chlorobenzyl)-3-ethylurea, *see* C-00268
2-(*p*-Chlorobenzylidene)cyclohexanone *O*-[3-(diisopropylamino)-propyl]oxime, *see* E-00112
▷1-(*p*-Chlorobenzyl)-2-methylbenzimidazole, *see* C-00211
▷*N*-(*o*-Chlorobenzyl)-α-methylphenethylamine, *see* C-00435
3-(*p*-Chlorobenzyl)octahydro-2*H*-quinolizine, *see* C-00491
4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid, C-00220
3-[*p*-[(*m*-Chlorobenzyl)oxy]phenyl]-5-[(methylamino)methyl]-2-oxazolidinone, *see* A-00140
7-[3-[4-(*p*-Chlorobenzyl)-1-piperazinyl)propoxy]-3,4-dimethylcoumarin, *see* P-00244
1-*p*-Chlorobenzyl-2-(1-pyrrolidinomethyl)benzimidazole, *see* C-00418
▷Chlorobiocin, C-00221
2-[(4′-Chloro[1,1-biphenyl]-4-yl)methoxy]-2-methylpropanoic acid, *see* C-00439
4-[3-(3-Chloro-4-biphenylyloxy)propyl]morpholine, *see* C-00201
▷2-Chloro-*N*,*N*-bis(2-chloroethyl)ethanamine, *see* T-00534
4-Chloro-3,5-bis(oxaloylamino)benzonitrile, *see* L-00071
▷Chlorobutanol, *see* T-00440
▷Chlorobutin, *see* C-00194
5-Chloro-2-(3-*tert*-butyl-2-chloro-5-methylphenyl)-2*H*-benzotriazole, *see* B-00357
▷2-(6-Chloro-2-carbazolyl)propionic acid, *see* C-00099
▷3-Chlorocarpipramine, *see* C-00441
Chlorocefadroxil, *see* C-00123
4′-Chloro-2′-(2-chlorobenzoyl)-2-(cyclopropylamino)-*N*-methylacetanilide, *see* C-00386
3′-Chloro-4′-(*p*-chlorobenzoyl)-3,5-diiodosalicylanilide, *see* S-00006
N-[4-Chloro-2-(2-chlorobenzoyl)phenyl]-2-(cyclopropylamino)-*N*-methylacetamide, *see* C-00386
N-[3-Chloro-4-(4-chlorobenzoyl)phenyl]-2-hydroxy-3,5-diiodobenzamide, *see* S-00006
▷2-Chloro-*N*-(2-chloroethyl)-*N*-methylethanamine, *see* D-00193
13-Chloro-*N*-(2-chloroethyl)-*N*,11(or 2,9)-dinitroso-10-oxo-5,6-dithia-2,9,11-triazatridecanamide, *in* C-00222
13-Chloro-*N*-(2-chloroethyl)-10-oxo-5,6-dithia-2,9,11-triazatridecanamide, C-00222
2-Chloro-6-[(5-chloro-2-hydroxy-3-nitrophenyl)methyl]-4-nitrophenol, *see* N-00174
3-[5-Chloro-α-(*p*-chloro-β-hydroxyphenethyl)-2-thenyl]-4-hydroxycoumarin, *see* T-00297
▷6-Chloro-3-(chloromethyl)-3,4-dihydro-2-methyl-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* M-00218

▷5-Chloro-*N*-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide, *see* N-00093

▷3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, C-00223

▷5-Chloro-*N*-(2-chloro-4-nitrophenyl)salicylamide, *see* N-00093

5-Chloro-4-[[(4-chlorophenoxy)acetyl]amino]-*N*-[2-(diethylamino)ethyl]-2-methoxybenzamide, *see* C-00514

▷3′-Chloro-4′-(*p*-chlorophenoxy)-3,5-diiodosalicylanilide, *see* R-00003

4-Chloro-5-[[2-[[3-(2-chlorophenoxy)-2-hydroxypropyl]-amino]-ethyl]amino]-3(2*H*)-pyridazinone, *see* R-00041

▷*N*-[3-Chloro-4-(4-chlorophenoxy)phenyl]-2-hydroxy-3,5-diiodobenzamide, *see* R-00003

N-[5-Chloro-4-[(4-chlorophenyl)cyanomethyl]-2-methylphenyl]-2-hydroxy-3,5-diiodobenzamide, *see* C-00504

4-Chloro-α-(4-chlorophenyl)-α-cyclopropylbenzenemethanol, *see* P-00453

▷7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* D-00056

2-[7-Chloro-5-(2-chlorophenyl)-2,3-dihydro-1*H*-1,4-benzodiazepin-1-yl]-4(5*H*)-oxazolone, *see* R-00020

2-Chloro-α-(4-chlorophenyl)-4-(4,5-dihydro-3,5-dioxo-1,2,4-triazin-2(3*H*)-yl)benzeneacetonitrile, *see* C-00413

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-2*H*-1,4-benzodiazepin-2-one, *in* D-00056

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2*H*-1,4-benzodiazepin-2-one, *see* L-00097

▷7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-3-hydroxy-2*H*-pyrido[3,2-*e*]-1,4-diazepin-2-one, *see* L-00088

7-Chloro-5-(2-chlorophenyl)-2,3-dihydro-1-methyl-1*H*-1,4-benzodiazepine-2-methanol, *see* T-00573

7-Chloro-5-(4-chlorophenyl)-1,3-dihydro-1-methyl-2*H*-1,4-benzodiazepin-2-one, *see* C-00227

7-Chloro-5-(2-chlorophenyl)-1,3-dihydro-1-[2-[(4-methylphenyl)sulfonyl]ethyl]-2*H*-1,4-benzodiazepin-2-one, *see* T-00372

6-Chloro-2-(4-chlorophenyl)-*N*,*N*-dipropylimidazo[1,2-*a*]-pyridine-3-acetamide, *see* A-00148

N^4-[7-Chloro-2-[2-(2-chlorophenyl)ethenyl]-4-quinolinyl]-*N*′,*N*′-diethyl-1,4-pentanediamine, *see* A-00331

2-(6-Chloro-2-*p*-chlorophenylimidazo[1,2-*a*]pyridin-3-yl)-*N*,*N*-dipropylacetamide, *see* A-00148

8-Chloro-6-(2-chlorophenyl)-1-methyl-4*H*-imidazo[1,5-*a*]-[1,4]-benzodiazepine, *see* C-00426

▷8-Chloro-6-(2-chlorophenyl)-1-methyl-4*H*-[1,2,4]-triazolo[4,3-*a*][1,4]benzodiazepine, *see* T-00425

7-Chloro-5-(2-chlorophenyl)-*N*-(2-propenyloxy)-3*H*-1,4-benzodiazepin-2-amine, *see* U-00004

▷8-Chloro-6-(2-chlorophenyl)-4*H*-pyrido[2,3-*f*]-1,2,4-triazolo[4,3-*a*][1,4]diazepine, *see* Z-00005

▷10-Chloro-11*b*-(2-chlorophenyl)-2,3,7,11*b*-tetrahydro-3-methyl-oxazolo[3,2-*d*][1,4]benzodiazepin-6(5*H*)-one, *see* M-00350

▷10-Chloro-11*b*-(*o*-chlorophenyl)-2,3,7,11*b*-tetrahydrooxazolo[3,2-*d*][1,4]benzodiazepin-6(5*H*)-one, *see* C-00517

4′-Chloro-5-[(7-chloro-4-quinolinyl)amino]-3-[[(1,1-dimethylethyl)amino]methyl][1,1′-biphenyl]-2-ol, *see* T-00046

7-Chloro-2-(*o*-chlorostyryl)-4-[[4-(diethylamino)-1-methylbutyl]amino]quinoline, *see* A-00331

▷Chlorocid, *see* C-00195

▷4-Chloro-*m*-cresol, *see* C-00256

▷Chlorocresol USAN, *see* C-00256

5-Chloro-2,4-cresotic acid, *see* C-00245

4′-Chloro-2-[(2-cyano-1-methylethyl)methyl]amino]-2′-(*o*-fluorobenzoyl)-*N*-methylacetanilide, *see* A-00145

2,2′-[(2-Chloro-5-cyano-1,3-phenylene)diimino]bis[2-oxoacetic acid], *see* L-00071

N,*N*′-(2-Chloro-5-cyano-*m*-phenylene)dioxamic acid, *see* L-00071

7-Chloro-5-(1-cyclohexen-1-yl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* N-00223

▷7-Chloro-5-(cyclohexen-1-yl)-1,3-dihydro-1-methyl-2*H*-1,4-benzodiazepin-2-one, *see* T-00154

▷5-Chloro-*N*-[2-[4-[[[(cyclohexylamino)carbonyl]amino]-sulfonyl]phenyl]ethyl]-2-methoxybenzamide, *see* G-00032

5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224

▷3-(3-Chloro-4-cyclohexylbenzoyl)propionic acid, *see* B-00341

▷6-Chloro-5-cyclohexyl-2,3-dihydro-1*H*-indene-1-carboxylic acid, *see* C-00225

6-Chloro-2-cyclohexyl-2,3-dihydro-3-oxo-1*H*-isoindole-5-sulfonamide, *see* C-00495

▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225

▷3-Chloro-4-cyclohexyl-γ-oxobenzenebutanoic acid, *see* B-00341

6-Chloro-2-cyclohexyl-3-oxo-5-isoindolinesulfonamide, *see* C-00495

5-Chloro-2-cyclohexyl-6-sulfamoylisoindolin-1-one, *see* C-00495

▷6-Chloro-3-(cyclopentylmethyl)-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* C-00630

7-Chloro-1-[2-(cyclopropylmethoxy)ethyl]-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* I-00011

▷7-Chloro-1-(cyclopropylmethyl)-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* P-00404

▷7-Chloro-1-(cyclopropylmethyl)-5-(2-fluorophenyl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* F-00231

▷7-Chloro-*N*-(cyclopropylmethyl)-5-phenyl-3*H*-1,4-benzodiazepin-2-amine 4-oxide, *see* C-00645

7-Chloro-*N*-demethyl-7-deoxy-3′-deproyl-3′-pentyllincomycin, *see* M-00393

2-Chloro-2′-deoxyadenosine, *in* C-00214

5′-Chloro-5′-deoxyarabinosylcytosine, C-00226

3′-Chloro-3′-deoxybutirosin A, *in* B-00408

▷7-Chloro-7-deoxylincomycin, *see* C-00428

3-(2-Chloro-2-deoxy-β-D-ribofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-*d*][1,3]diazepin-8-ol, *see* A-00066

7-Chloro-10-(1-deoxysorbityl)isoalloxizine, *see* F-00111

▷10-Chlorodeserpidine, *see* C-00285

4′-Chlorodiazepam, C-00227

3-(2-Chloro-11*H*-dibenz[*b*,*e*]azepin-11-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* C-00234

3-(1-Chloro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, C-00228

3-(1-Chloro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine *N*-oxide, *in* C-00228

2-(8-Chloro-3-dibenzofuranyl)propanoic acid, *see* F-00288

2-[(8-Chlorodibenzo[*b*,*f*]thiepin-10-yl)oxy]-*N*,*N*-dimethylethylamine, *see* Z-00039

4-(2-Chloro-11*H*-dibenz[*b*,*e*][1,4]oxathiepin-11-yl)-1-methylpiperidine, *see* C-00516

1-[[8-Chlorodibenz[*b*,*f*][1,4]oxazepine-10(11*H*)-yl]-carboxylic acid 2-(5-chlorovaleryl)hydrazide, *see* P-00265

4-[3-(2-Chlorodibenz[*b*,*e*]oxepin-11(6*H*)-ylidene)propyl]-1-piperazineethanol, *see* P-00272

▷1-Chloro-2-[2,2-dichloro-1-(4-chlorophenyl)ethyl]benzene, *see* D-00180

▷6-Chloro-3-(dichloromethyl)-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* T-00439

5-Chloro-6-(2,3-dichlorophenoxy)-2-(methylthio)-1*H*-benzimidazole, *see* T-00446

▷5-Chloro-2-(2,4-dichlorophenoxy)phenol, *see* T-00437

7-Chloro-*N*-(3,4-dichlorophenyl)-2,3-dihydro-5-hydroxy-1-benzothiepin-4-carboxamide 1,1-dioxide, *see* E-00059

▷2-Chloro-1-(2,4-dichlorophenyl)ethenyl diethyl phosphate, *see* C-00203

▷2-Chloro-1-(2,4-dichlorophenyl)vinyl diethyl phosphate, *see* C-00203

6-Chloro-6,7-didehydroretroprogesterone, *in* C-00276

▷2-Chloro-10-(*N*,*N*-diethyl-β-alanyl)phenothiazine, *see* C-00192

5-Chloro-2-[4-(2-diethylaminoethoxy)phenyl]benzothiazole, *see* H-00005

▷4-Chloro-α-[4-[2-(diethylamino)ethoxy]phenyl]-α-(4-methylphenyl)benzeneethanol, *see* T-00523

2′-Chloro-2-[[2-(diethylamino)ethyl]ethylamino]acetanilide, *see* C-00446

▷7-Chloro-1-(2-diethylaminoethyl)-5-(2-fluorophenyl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* F-00217

[[8-Chloro-3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2*H*-1-benzopyran-7-yl]oxy]acetic acid ethyl ester, *see* C-00497

▷4-Chloro-*N*-[2-(diethylamino)ethyl]-2-(propenyloxy)benzamide, *see* A-00126

6-Chloro-9-[[3-(diethylamino)-2-hydroxypropyl]amino]-2-methoxyacridine, C-00229

▷7-Chloro-4-[[4-(diethylamino)-1-methylbutyl]amino]-3-methylquinoline, *see* M-00240

▷7-Chloro-4-(4-diethylamino-1-methylbutylamino)quinoline, *see* C-00284

▷6-Chloro-*N*-(4-diethylamino-1-methylbutyl)-2-methoxy-9-acridinamine, *see* Q-00010

2′-Chloro-2-[2-[(diethylamino)methyl]imidazol-1-yl]-5-nitrobenzophenone, *see* N-00193

▷2-Chloro-10-(3-diethylamino)-1-oxopropyl-10*H*-phenothiazine, *see* C-00192

▷2-Chloro-10-(3-diethylaminopropionyl)phenothiazine, *see* C-00192

5-Chloro-7-[[[3-(diethylamino)propyl]amino]methyl]-8-quinolinol, *see* C-00407

▷2-Chloro-10-[3-(diethylamino)propyl]phenothiazine, *see* C-00296

4-Chloro-*N*,*N*-diethyl-*N*-heptylbenzenebutanaminium, *see* C-00457

▷2-Chloro-*N*,*N*-diethyl-10*H*-phenothiazine-10-propanamine, *see* C-00296

21-Chloro-6,9-difluoro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, *see* U-00006

9-Chloro-6α,11β-difluoro-21-hydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* H-00006

▷2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, C-00230

▷2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane, C-00231

2-Chloro-6α,9-difluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* H-00010

5-Chloro-1-[1-[(2,3-dihydro-1,4-benzodioxin-2-yl)methyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* A-00489

▷6-Chloro-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* H-00098

4′-Chloro-2-[3-(10,11-dihydro-5*H*-dibenz[*b*,*f*]azepin-5-yl)-propyl]acetophenone, *see* L-00074

▷1′-[3-(3-Chloro-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepin-5-yl)-propyl][1,4′-bipiperidine]-4′-carboxamide, *see* C-00441

▷1-(8-Chloro-10,11-dihydrodibenzo[*b*,*f*]thiepin-10-yl)-4-methylpiperazine, *see* C-00501

7-Chloro-2,3-dihydro-2,2-dihydroxy-5-phenyl-1*H*-benzodiazepine-3-carboxylic acid, *see* C-00494

▷2-Chloro-9,10-dihydro-*N*,*N*-dimethyl-9-acridinepropanamine, *see* C-00465

8-Chloro-6,11-dihydro-*N*,*N*-dimethyl-5*H*-benzo[5,6]-cyclohepta[1,2-*b*]pyridine-11-ethanamine, *see* C-00505

▷3-Chloro-10,11-dihydro-*N*,*N*-dimethyl-5*H*-dibenz[*b*,*f*]azepine-5-propanamine, *see* C-00472

11-Chloro-8,12*b*-dihydro-2,8-dimethyl-12*b*-phenyl-4*H*-[1,3]-oxazino[3,2-*d*][1,4]benzodiazepine-4,7(6*H*)-dione, *see* K-00012

▷6-Chloro-1,2-dihydro-17-hydroxy-3′*H*-cyclopropa[1,2]pregna-1,4,6-triene-3,20-dione, *see* C-00651

▷2-Chloro-5-(2,3-dihydro-1-hydroxy-3-oxo-1*H*-isoindol-1-yl)-benzenesulfonamide, *see* C-00302

▷7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* O-00096

7-Chloro-1,3-dihydro-3-hydroxy-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* P-00367

7-Chloro-3,4-dihydro-10-hydroxy-3-[4-(trifluoromethyl)-phenyl]-1,9(2*H*,10*H*)-acridinedione, *see* F-00127

5-Chloro-*N*-(4,5-dihydro-1*H*-imidazol-2-yl)-2,1,3-benzothiadiazol-4-amine, *see* T-00330

4-Chloro-*N*-(4,5-dihydro-1*H*-imidazol-2-yl)-6-methoxy-2-methyl-5-pyrimidinamine, *see* M-00468

▷7-Chloro-2,3-dihydro-1*H*-inden-4-ol, *see* C-00252

6-Chloro-3,4-dihydro-3-isobutyl-7-sulfamoyl-1,2,4(2*H*)-benzothiadiazine 1,1-dioxide, *see* B-00401

7-Chloro-3,3*a*-dihydro-2*H*,9*H*-isoxazolo[3,2-*b*][1,3]-benzoxazin-9-one, *see* S-00032

▷6-Chloro-3,4-dihydro-3-(α-methylbenzyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00032

7-[(3-Chloro-6,11-dihydro-6-methyldibenzo[*c*,*f*][1,2]-thiazepin-11-yl)amino]heptanoic acid *S*,*S*-dioxide, *see* T-00240

8-Chloro-6-[[4,5-dihydro-1-(1-methylethyl)-1*H*-imidazol-2-yl]-methyl]-3,4,5,6-tetrahydro-2*H*-1,6-benzothiazocine, *see* D-00026

6-Chloro-1,5-dihydro-3-methylimidazo[2,1-*b*]quinazolin-2(3*H*)-one, *see* Q-00005

▷7-Chloro-3,3*a*-dihydro-2-methyl-2*H*,9*H*-isoxazolo[3,2-*b*][1,3]-benzoxazin-9-one, *see* M-00132

7-Chloro-5,6-dihydro-5-methyl-6-oxo-4*H*-imidazo[1,5-*a*][1,4]-benzodiazepine-3-carboxylic acid ethyl ester, *see* S-00024

▷7-Chloro-2,3-dihydro-1-methyl-2-oxo-5-phenyl-1*H*-1,4-benzodiazepin-3-yl dimethylcarbamate, *see* C-00019

▷7-Chloro-2,3-dihydro-1-methyl-5-phenyl-1*H*-1,4-benzodiazepine, *see* M-00053

▷7-Chloro-1,3-dihydro-1-methyl-5-phenyl-(2*H*)-1,4-benzodiazepine-2-thione, *see* S-00180

▷7-Chloro-2,3-dihydro-1-methyl-5-phenyl-1,4-benzodiazepin-2-one, *see* D-00148

2-Chloro-5-[2,3-dihydro-3-methyl-2-(phenylimino)-4-thiazolyl]-*N*,*N*-dimethylbenzenesulfonamide, *see* M-00318

6-Chloro-3,4-dihydro-2-methyl-3-[(2-propenylthio)methyl]-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* M-00166

6-Chloro-3,4-dihydro-3-(2-methylpropyl)-(2*H*)-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00401

▷6-Chloro-3,4-dihydro-2-methyl-3-[[(2,2,2-trifluoroethyl)-thio]-methyl]-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* P-00386

N-[2-[4-(5-Chloro-2,3-dihydro-2-oxo-1*H*-benzimidazol-1-yl)-1-piperidinyl]ethyl]-4-fluorobenzamide, *see* H-00012

▷5-Chloro-1-[1-[3-(2,3-dihydro-2-oxo-1*H*-benzimidazol-1-yl)-propyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* D-00576

7-Chloro-2,3-dihydro-2-oxo-5-phenyl-1*H*-1,4-benzodiazepine-3-carboxylic acid, *see* C-00494

7-Chloro-2,3-dihydro-2-oxo-5-phenyl-1*H*-1,4-benzodiazepin-3-yl 2,2-dimethylpropanoate, *see* P-00367

▷7-Chloro-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *in* D-00148

▷7-Chloro-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one 4-oxide, *see* D-00069

▷6-Chloro-3,4-dihydro-3-(1-phenylethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00032

▷7-Chloro-1,3-dihydro-5-phenyl-1-(2-propynyl)-2*H*-1,4-benzodiazepin-2-one, *see* P-00268

▷7-Chloro-1,3-dihydro-5-phenyl-1-(2,2,2-trifluoroethyl)-2*H*-1,4-benzodiazepin-2-one, *see* H-00003

6-Chloro-3,4-dihydro-3-[(2-propenylthio)methyl]-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* A-00157

3-(9-Chloro-5,6-dihydro-11*H*-pyrrolo[2,1-*b*][3]benzazepin-11-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* N-00065

▷3-Chloro-4-(2,5-dihydro-1*H*-pyrrol-1-yl)-α-methylbenzeneacetic acid, *see* P-00355

6-Chloro-3,4-dihydro-3-(succinimidomethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* S-00269

▷6-Chloro-3,4-dihydro-7-sulfamoyl-1,2,4-benzothiadiazine 1,1-dioxide, *see* H-00098

6-Chloro-3,4-dihydro-3-(trichloromethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* T-00047

6-Chloro-3,4-dihydro-3-[[(2,2,2-trifluoroethyl)thio]-methyl]-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* E-00085

9-Chloro-11,15-dihydroxy-16,16-dimethylprosta-5,13-dien-1-oic acid, *see* N-00195

6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione, C-00232

6-Chloro-3,17-dihydroxypregna-4,6-dien-20-one, *see* C-00463

7-Chloro-1-(2,3-dihydroxypropyl)-5-(2-fluorophenyl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* P-00464

6-Chloro-4-(2,3-dihydroxypropyl)-2-methyl-2*H*-1,4-benzoxazin-3(4*H*)-one, *see* D-00528

▷4′-Chloro-3,5-diiodosalicylanilide acetate, *see* C-00430

▷4′-Chloro-3,5-dimethoxy-4-(2-morpholinoethoxy)benzophenone, *see* M-00440

6-Chloro-2,3-dimethoxy-1,4-naphthalenediol diacetate, *in* C-00257

2-Chloro-1,3-dimethoxypropane, *in* C-00278

▷2-[*p*-Chloro-α-[2-(dimethylamino)ethoxy]benzyl]pyridine, *see* C-00052

8-Chloro-10-(2-dimethylaminoethoxy)dibenzo[*b,f*]thiepine, *see* Z-00039

5-Chloro-2-[[*N*-[2-(dimethylamino)ethyl]anilino]methyl]-benzimidazole, *see* M-00366

▷2-[*p*-Chloro-α-[2-(dimethylamino)ethyl]benzyl]pyridine, *see* C-00292

2-Chloro-10-[2-(dimethylamino)ethyl]-5,10-dihydro-11*H*-dibenzo[*b,e*][1,4]diazepin-11-one, *see* C-00434

▷2-Chloro-α-[2-(dimethylamino)ethyl]-α-phenylbenzenemethanol, *see* C-00191

▷4-Chloro-α-[2-(dimethylamino)-1-methylethyl]-α-methyl-benzeneethanol, *see* C-00438

3-Chloro-α-[(dimethylamino)methyl]-β-phenylbenzeneethanol, *see* C-00417

m-Chloro-α-[(dimethylamino)methyl]-β-phenylphenethyl alcohol, *see* C-00417

8-Chloro-1-[(dimethylamino)methyl]-6-phenyl-4*H*-*s*-triazolo[4,3-*a*][1,4]benzodiazepine, *see* A-00071

▷7-Chloro-4-dimethylamino-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,6,10,12,12*a*-pentahydroxy-1,11-dioxonaphthacene-2-carboxamide, *see* D-00064

▷7-Chloro-4-(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,6,10,12,12*a*-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, *see* A-00476

▷7-Chloro-4-(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,10,12,12*a*-pentahydroxy-6-methylene-1,11-dioxo-2-naphthacenecarboxamide, *see* M-00044

4-Chloro-*N*-[[[4-(dimethylamino)phenyl]amino]carbonyl]-benzenesulfonamide, *see* G-00076

2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene, C-00233

▷2-Chloro-9-[3-(dimethylamino)propyl]acridan, *see* C-00465

▷3-Chloro-5-(3-dimethylaminopropyl)-10,11-dihydrodibenz[*b,f*]-azepine, *see* C-00472

▷5-Chloro-1-[3-(dimethylamino)propyl]-1,3-dihydro-3-phenyl-2*H*-benzimidazol-2-one, *see* C-00448

2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b,e*]-azepine, C-00234

3-Chloro-11-[3-(dimethylamino)propylidene]-5,6-dihydromorphanthridine, *see* E-00022

2-Chloro-11-(3-dimethylaminopropylidene)morphanthridine, *see* C-00234

▷2-Chloro-10-(3-dimethylaminopropyl)phenothiazine, *see* C-00298

▷5-Chloro-1-[3-(dimethylamino)propyl]-3-phenyl-2-benzimidazolinone, *see* C-00448

2-Chloro-α,α-dimethylbenzeneethanamine, *see* C-00271

▷4-Chloro-α,α-dimethylbenzeneethanamine, *see* C-00295

6-Chloro-3-(1,2-dimethylbutyl)-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* M-00040

3-[4-Chloro-2-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]-2-cyclopenten-1-one, *see* E-00107

2-Chloro-α-[(1,1-dimethylethylamino)methyl]benzenemethanol, *see* B-00426

Chloro[5-(1,1-dimethylethyl)-2-hydroxyphenyl]mercury, *see* B-00429

▷2-Chloro-4-(1,1-dimethylethyl)phenyl methyl methylphosphoramidate, *see* C-00572

p-Chloro-α,α-dimethylphenethyl alaninate, *see* A-00094

o-Chloro-α,α-dimethylphenethylamine, *see* C-00271

▷*p*-Chloro-α,α-dimethylphenethylamine, *see* C-00295

▷4-Chloro-3,5-dimethylphenol, C-00235

▷2-Chloro-*N,N*-dimethyl-10*H*-phenothiazine-10-propanamine, *see* C-00298

N-[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]-glycine, *see* A-00446

▷[[4-Chloro-6-[(2,3-dimethylphenyl)amino]-2-pyrimidinyl]-thio]-acetic acid, *see* P-00332

▷2-[[4-Chloro-6-(2,3-dimethylphenyl)amino-2-pyrimidinyl]-thio]-*N*-(2-hydroxyethyl)acetamide, *see* P-00333

6-Chloro-N^4-(2,3-dimethylphenyl)-N^2,N^2-dimethyl-2,4-pyrimidinediamine, *see* L-00070

8-Chloro-*N,N*-dimethyl-6-phenyl-4*H*-[1.2.4]triazolo[4,3-*a*]-[1,4]benzodiazepine-1-methanamine, *see* A-00071

7-Chloro-1-[(dimethylphosphinyl)methyl]-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* F-00253

4-Chloro-*N*-(2,6-dimethylpiperidino)-3-sulfamoylbenzamide, *see* C-00480

2-Chloro-5-[(3,5-dimethyl-1-piperidinyl)sulfonyl]benzoic acid, *see* T-00252

▷*N*′-(5-Chloro-2,6-dimethyl-4-pyrimidinyl)sulfanilamide, *see* S-00188

▷2-Chloro-*N,N*-dimethylthioxanthene-$\Delta^{9,}$-propylamine,, *see* C-00300

▷4′-Chloro-2,6-dioxocyclohexanecarbothioanilide, *see* O-00050

3-Chloro-4-(2,5-dioxo-3-phenyl-1-pyrrolidinyl)-benzenesulfonamide, *see* S-00174

5-Chlorodiphenylamine-2,2′-dicarboxylic acid, *see* L-00066

▷1-(*o*-Chloro-α,α-diphenylbenzyl)imidazole, *see* C-00512

2-[4-(4-Chloro-1,2-diphenyl-1-butenyl)phenoxy]-*N,N*-dimethylethanamine, *see* T-00388

4-Chloro-1,2-diphenyl-1-[4-[2-(*N,N*-dimethylamino)ethoxy]-phenyl]-1-butene, *see* T-00388

▷2-[4-(2-Chloro-1,2-diphenylethenyl)phenoxy]-*N,N*-diethylethanamine, *see* C-00471

▷2-[*p*-(2-Chloro-1,2-diphenylvinyl)phenoxy]triethylamine, *see* C-00471

4-Chloro-*N*-(1,3-dithietan-2-ylidene)-2-methylbenzenamine, *see* N-00148

4-Chloro-*N*-(endohexahydro-4,7-methanoisoindolin-2-yl)-3-sulfamoylbenzamide, *see* T-00522

▷Chloroethane, C-00236

▷1,1′,1″-(1-Chloro-1-ethenyl-2-ylidene)tris[4-methoxybenzene], *see* C-00290

1-Chloro-4-ethoxybenzene, *in* C-00260

3-(2-Chloroethoxy)-9-fluoro-11β,16α,17,21-tetrahydroxy-20-oxopregna-3,5-diene-6-carbonitrile cyclic 16,17-acetal with acetone, *see* C-00338

10-Chloro-3-(ethoxymethyl)-2,3,6,9-tetrahydro-9-oxo-1,4-dioxino[2,3-*g*]quinoline-8-carboxylic acid ethyl ester, *see* Q-00016

2-Chloro-3-ethoxy-1-propanol, *in* C-00278

▷6-Chloro-2-(ethylamino)-4-methyl-4-phenyl-4*H*-3,1-benzoxazine, *see* E-00236

6-Chloro-2-(ethylamino)-4-phenyl-4*H*-3,1-benzothiazine, *see* E-00141

▷2-Chloroethyl *N,N*-bis(2-chloroethyl)-*N*′-(3-hydroxypropyl)-phosphorodiamidate, *see* D-00047

▷3-(2-Chloroethyl)-2-[(2-chloroethyl)amino]tetrahydro-2*H*-1,3,2-oxazaphosphorine 2-oxide, *see* I-00021

▷1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea, *see* L-00083

▷*N*-(2-Chloroethyl)-*N*′-cyclohexyl-*N*-nitrosourea, *see* L-00083

5-(2-Chloroethyl)-2′-deoxyuridine, *in* C-00239

6-Chloro-3-ethyl-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* E-00153

▷2-(2-Chloroethyl)-2,3-dihydro-4*H*-1,3-benzoxazin-4-one, *see* C-00303

▷3-(2-Chloroethyl)-3,4-dihydro-4-oxoimidazo[5,1-*d*]-1,2,3,5-tetrazine-8-carboxamide, *see* M-00408

N-(2-Chloroethyl)-*N*′-(2,2-dimethylpropyl)-*N*-nitrosourea, *see* P-00089

1-(2-Chloroethyl)-3-[2-(dimethylsulfamoyl)ethyl]-1-nitrosourea, *see* T-00033

3-Chloro-5-ethyl-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-6-hydroxy-2-methoxybenzamide, *see* E-00233

N-(2-Chloroethyl)-*N*′-(3-hydroxyandrost-5-en-17-yl)-*N*-nitrosourea, *see* S-00168

▷*N*-(2-Chloroethyl)-*N*′-(2-hydroxyethyl)-*N*-nitrosourea, C-00237

1-(2-Chloroethyl)-3-(2,3-*O*-isopropylidene-D-ribofuranosyl)-1-nitrosourea 5′-*p*-nitrobenzoate, *see* B-00248

▷*N*-(2-Chloroethyl)-*N'*-(4-methylcyclohexyl)-*N*-nitrosourea, *see* S-00041

N-(2-Chloroethyl)-*N'*-[2,3-*O*-(1-methylethylidene)-5-*O*-(4-nitrobenzoyl)-D-ribofuranosyl]-*N*-nitrosourea, *see* B-00248

▷*N*-(2-Chloroethyl)-*N*-(1-methyl-2-phenoxyethyl)-benzenemethanamine, *see* P-00170

▷*N*-(2-Chloroethyl)-*N*-(1-methyl-2-phenoxyethyl)benzylamine, *see* P-00170

▷6-Chloro-*N*-ethyl-4-methyl-4-phenyl-4*H*-3,1-benzoxazin-2-amine, *see* E-00236

▷5-(2-Chloroethyl)-4-methylthiazole, C-00238

2-[[[(2-Chloroethyl)nitrosoamino]carbonyl]amino]-*N*,*N*-dimethylethanesulfonamide, *see* T-00033

[1-[[[(2-Chloroethyl)nitrosoamino]carbonyl]amino]ethyl]-phosphonic acid diethyl ester, *see* F-00261

▷1-Chloro-3-ethyl-1-penten-4-yn-3-ol, *see* E-00151

3-[1-[4-(2-Chloroethyl)phenyl]butyl]-4-hydroxy-2*H*-1-benzopyran-2-one, *see* C-00445

3-[*p*-(2-Chloroethyl)-α-propylbenzyl]-4-hydroxycoumarin, *see* C-00445

5-(2-Chloroethyl)-2,4(1*H*,3*H*)pyrimidinedione, *see* C-00239

5-Chloro-*N'*-[(1-ethyl-2-pyrrolidinyl)methyl]-2-methoxysulfanilamide, *see* L-00091

7-Chloro-1-[2-(ethylsulfonyl)ethyl]-5-(2-fluorophenyl)-1,3-dihydro-2*H*-1,4-benzodiazepin-2-one, *see* E-00025

▷2-[[3-(2-Chloroethyl)tetrahydro-2*H*-1,3,2-oxazaphosphorin-2-yl]amino]ethanol methanesulfonate *P*-oxide, *see* S-00178

7-Chloro-2-ethyl-1,2,3,4-tetrahydro-4-oxo-6-quinazolinesulfonamide, *see* Q-00021

5-Chloroethylthiamine, *see* B-00025

5-(2-Chloroethyl)uracil, C-00239

▷17α-(2-Chloroethynyl)-17β-hydroxyestra-4,9-dien-3-one, *see* E-00226

▷17α-(Chloroethynyl)-19-nor-4,9-androstadien-17β-ol-3-one, *see* E-00226

N-[4-Chloro-2-(2-fluorobenzoyl)phenyl]-2-[(2-cyano-1-methylethyl)methylamino]-*N*-methylacetamide, *see* A-00145

5-Chloro-1-[3-[4-(*p*-fluorobenzoyl)piperidino]propyl]-2-benzimidazolinone, *see* M-00374

5-Chloro-1-[3-[4-(4-fluorobenzoyl)-1-piperidinyl]propyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* M-00374

6-Chloro-3-(*p*-fluorobenzyl)-3,4-dihydro-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* P-00022

4-(2-Chloro-7-fluoro-10,11-dihydrodibenzo[*b*,*f*]thiepin-10-yl)-1-piperazinepropanamide, *see* C-00459

9-Chloro-6α-fluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* C-00444

21-Chloro-9α-fluoro-11β,17α-dihydroxy-16β-methyl-1,4-pregnadiene-3,20-dione, *see* C-00437

▷21-Chloro-9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)-bis(oxy)]pregn-4-ene-3,20-dione, *see* H-00004

21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione, *in* C-00437

2-[[*p*-Chloro-α-(*p*-fluorophenyl)benzyl]oxy]ethylamine, *see* H-00011

8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid, C-00240

▷7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-3-hydroxy-1-(2-hydroxyethyl)-2*H*-1,4-benzodiazepin-2-one, *see* D-00593

▷7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-3-hydroxy-1-methyl-2*H*-1,4-benzodiazepin-2-one, *see* F-00226

▷7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-3-hydroxy-2-oxo-1*H*-1,4-benzodiazepine-1-propionitrile, *see* C-00375

7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-(2-isothiocyanatoethyl)-2*H*-1,4-benzodiazepin-2-one, *see* I-00169

7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-1-[(methylamino)-carbonyl]-2-oxo-1*H*-1,4-benzodiazepine-3-carboxylic acid ethyl ester, *see* E-00179

▷7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-methyl-2*H*-1,4-benzodiazepin-2-one, *see* F-00144

▷7-Chloro-5-(2-fluorophenyl)-1,3-dihydro-1-(2,2,2-trifluoroethyl)-2*H*-1,4-benzodiazepine-2-thione, *see* Q-00004

7-Chloro-5-(2-fluorophenyl)-2,3-dihydro-1-(2,2,2-trifluoroethyl)-1*H*-1,4-benzodiazepine, *see* F-00118

8-Chloro-6-(2-fluorophenyl)-1-methyl-4*H*-imidazo[1,5-*a*]-[1,4]-benzodiazepine, *see* M-00368

9-[(2-Chloro-6-fluorophenyl)methyl]-9*H*-purin-6-amine, *see* A-00448

▷10-Chloro-11*b*-(*o*-fluorophenyl)-2,3,7,11*b*-tetrahydro-7-(2-hydroxyethyl)oxazolo[3,2-*d*][1,4]benzodiazepin-6(5*H*)-one, *see* F-00225

▷21-Chloro-9-fluoro-11β,16α,17-trihydroxy-4-pregnene-3,20-dione cyclic 16,17-acetal with acetone, *see* H-00004

▷Chloroform, C-00241

▷4-Chloro-*N*-furfuryl-5-sulfamoylanthranilic acid, *see* F-00267

Chlorogen, *in* B-00075

▷Chloroguanide Triazine Pamoate, *in* C-00603

4-Chloro-*N*-[[(hexahydro-1*H*-azepin-1-yl)amino]carbonyl]-benzenesulfonamide, *see* G-00077

10-Chloro-1,2,3,3*a*,4,5-hexahydro-6*H*-indolo[3,2,1-*de*][1,5]-naphthyridin-6-one, *see* V-00035

6-Chloro-2,3,3*a*,4,9,9*a*-hexahydro-2-methyl-4-phenylbenz[*f*]-isoindoline, *see* L-00101

2-Chloro-*N*-[2-[3,4,5,6,7,12,12*a*-hexahydropyrazino[1′,2′:1,6]-pyrido[3,4-*b*]indol-2(1*H*)-yl]-ethyl]benzamide, *see* C-00202

2-Chloro-10-[3-(hexahydropyrrolo[1,2-*a*]pyrazin-2(1*H*)-yl)-1-oxopropyl]-10*H*-phenothiazine, *see* A-00493

▷α-Chlorohydrin, *see* C-00278

4-Chloro-*N*-[2-(hydroxyamino)-2-oxoethyl]benzamide, *see* B-00070

2α-Chloro-17β-hydroxyandrostan-3-one *O*-(4-nitrophenyl)oxime, *see* N-00161

4-Chloro-17β-hydroxyandrost-4-en-3-one, *see* C-00506

4-Chloro-6-[(3-hydroxy-2-butenylidene)amino]-N^1-propenyl-1,3-benzenedisulfonamide, *see* A-00174

m-Chloro-*p*-hydroxycephalexin, *see* C-00123

▷5-Chloro-2-hydroxydiphenylmethane, *see* B-00109

4-Chloro-17-hydroxyestr-4-en-3-one, C-00242

▷*p*-Chloro-*N*-(2-hydroxyethyl)-*N*-[(3-methyl-2-norbornyl)-methyl]benzamide, *see* C-00440

5-Chloro-3-[4-(2-hydroxyethyl)piperazin-1-ylformylmethyl]-2(3*H*)-benzothiazolone, *see* T-00245

2-Chloro-9-[3-[4-(2-hydroxyethyl)-1-piperazinyl]-propylidene]-thiaxanthene, *see* C-00481

▷2-Chloro-10-[3-[1-(2-hydroxyethyl)-4-piperazinyl]propyl]-phenothiazine, *see* P-00129

▷7-Chloro-4-hydroxyindane, *see* C-00252

7-Chloro-4-hydroxy-5-indanecarboxylic acid, C-00243

▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244

3-Chloro-6-hydroxy-4-methylbenzoic acid, C-00245

▷3-Chloro-7-hydroxy-4-methylcoumarin bis(2-chloroethyl)-phosphate, *see* H-00021

▷3-Chloro-7-hydroxy-4-methylcoumarin *O*-ester with *O*,*O*-diethyl phosphorothioate, *see* C-00555

2-Chloro-5-[4-hydroxy-3-methyl-2-(methylimino)-4-thiazolidinyl]benzenesulfonamide, *see* T-00331

4-[[(5-Chloro-2-hydroxy-3-methylphenyl)(4-chlorophenyl)-methylene]amino]butanamide, *see* T-00350

6-Chloro-17-hydroxy-16α-methylpregna-4,6-diene-3,20-dione, *see* C-00466

6-Chloro-4-hydroxy-2-methyl-*N*-2-pyridinyl-2*H*-thieno[2,3-*e*]-1,2-thiazine-3-carboxamide 1,1-dioxide, *see* L-00098

6-Chloro-17-hydroxy-19-norpregna-4,6-diene-3,20-dione, *see* A-00161

▷21-Chloro-17α-hydroxy-19-norpregna-4,9-dien-20-yn-3-one, *see* E-00226

2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, C-00246

▷2-Chloro-5-(1-hydroxy-3-oxo-1-isoindolinyl)benzenesulfonamide, *see* C-00302

▷Chloro(2-hydroxyphenyl)mercury, C-00247

6α-Chloro-17-hydroxypregna-1,4-diene-3,20-dione, *see* C-00398

▷6-Chloro-17α-hydroxy-4,6-pregnadiene-3,20-dione, *see* C-00208

6-Chloro-17-hydroxypregna-1,4,6-triene-3,20-dione, *see* D-00054

6-Chloro-17-hydroxypregn-4-ene-3,20-dione, C-00248
6-Chloro-17-hydroxyprogesterone, *see* C-00248
▷5-Chloro-8-hydroxyquinoline, C-00249
7-Chloro-8-hydroxyquinoline, C-00250
3-Chloro-6-hydroxy-*p*-toluic acid, *see* C-00245
▷2-Chloro-5-hydroxy-*m*-xylene, *see* C-00235
▷4-Chloro-ifN-(2-hydroxyethyl)-*N*-[(3-methylbicyclo[2.2.1]-hept-2-yl)methyl]benzamide, *see* C-00440
4-Chloro-5-(2-imidazolin-2-ylamino)-6-methoxy-2-methylpyrimidine, *see* M-00468
3-Chloro-1-(1*H*-imidazol-1-yl)-4-phenylisoquinoline, C-00251
4-Chloro-2,2′-iminodibenzoic acid, *see* L-00066
▷7-Chloro-4-indanol, C-00252
▷5-Chloro-7-iodo-8-quinolinol, *see* C-00244
5′-Chloro-2-[*p*-[(5-isobutyl-2-pyrimidinyl)sulfamoyl]-phenyl]-*o*-acetanisidide, *see* G-00036
o-Chloro-α-[(isopropylamino)methyl]benzyl alcohol, *see* C-00502
p-Chloro-α-isopropylbenzyl nicotinate, *see* N-00094
N-(2-Chloro-4-isothiocyanatophenyl)-2,4-dihydroxybenzamide, C-00253
▷Chloromercuribenzene, *see* C-00265
▷3-Chloromercuri-2-methoxypropylurea, *see* C-00209
▷2-Chloromercuriphenol, *see* C-00247
▷Chloromethapyrilene, *see* C-00282
▷Chloromethine, *see* D-00193
1-[(6-Chloro-2-methoxy-9-acridinyl)amino]-3-(diethylamino)-2-propanol, *see* C-00229
▷N^4-(6-Chloro-2-methoxy-9-acridinyl-*N′*,*N′*-diethyl-1,4-pentanediamine, *see* Q-00010
1-Chloro-4-methoxybenzene, *in* C-00260
▷4-[2-[(5-Chloro-2-methoxybenzoyl)amino]ethyl]benzoic acid, *see* M-00071
(5-Chloro-2-methoxybenzoyl)-3-[3-(4-*m*-tolyl-1-piperazinyl)-propyl]urea, *see* C-00348
16-Chloro-3-methoxyestra-1,3,5(10)-trien-17-one, *see* C-00467
5-Chloro-2-methoxy-*N*-[2-[4-[[[(methylamino)carbonyl]amino]-sulfonyl]phenyl]ethyl]benzamide, *see* G-00038
1-Chloro-4-methoxy-2-methylbenzene, *in* C-00256
3-Chloro-6-methoxy-4-methylbenzoic acid, *in* C-00245
5-Chloro-2-methoxy-*N*-[[[3-[4-(3-methylphenyl)-1-piperazinyl]-propyl]amino]carbonyl]benzamide, *see* C-00348
4-[6-(2-Chloro-4-methoxyphenoxy)hexyl]-3,5-heptanedione, *see* A-00444
[6-(2-Chloro-4-methoxyphenoxy)hexyl]phosphonic acid, C-00254
▷4-[*p*-Chloro-*N*-(*p*-methoxyphenyl)benzamido]butyric acid, *see* C-00409
N-(5-Chloro-2-methoxyphenyl)-4-[[[5-(2-methylpropyl)-2-pyrimidinyl]amino]sulfonyl]benzeneacetamide, *see* G-00036
2-Chloro-5-methoxytoluene, *in* C-00256
▷10-Chloro-17-methoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]-yohimban-16-carboxylic acid methyl ester, *see* C-00285
4′-Chloro-2-[(methylamino)methyl]benzhydrol, *see* S-00057
4-Chloro-α-[2-[(methylamino)methyl]phenyl]-benzenemethanol, 10 Cl, *see* S-00057
▷4-Chloro-2-(methylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)pyrimidine, *see* M-00357
▷7-Chloro-2-(methylamino)-5-phenyl-3*H*-1,4-benzodiazepine 4-oxide, *see* C-00200
4-Chloro-6-methyl-1,3-benzenedisulfonamide, *see* D-00543
▷*N*-Chloro-4-methylbenzenesulfonamide, *see* C-00289
▷7-Chloro-3-methyl-2*H*-1,2,4-benzothiadiazine 1,1-dioxide, *see* D-00152
5-Chloro-3-methylbenzo[*b*]thiophene-2-acetic acid, *see* T-00239
▷6-Chloro-α-methyl-9*H*-carbazole-2-acetic acid, *see* C-00099
8-Chloro-α-methyl-3-dibenzofuranacetic acid, *see* F-00288
Chloromethyl 6α,9α-difluoro-11β,17α-dihydroxy-16α-methyl-3-oxoandrosta-1,4-diene-17β-carbothioate, *see* C-00509
▷3′-Chloro-2′-methyldiphenylamine-2-carboxylic acid, *see* T-00349
2′-Chloro-α-methylene-γ-oxo-[1,1′-biphenyl]-4-butanoic acid, *see* I-00220
2-Chloro-6-methylergoline-8-acetonitrile, *see* L-00026
2-Chloro-α-[[(1-methylethyl)amino]methyl]benzenemethanol, *see* C-00502
▷4-Chloro-*N*-(1-methylethylamino)-6-(4-methyl-1-piperazinyl)-5-(methylthio)-2-pyrimidinamine, *see* I-00165
▷4-Chloro-*N*-(2-methyl-1-indolinyl)-3-sulfamoylbenzamide, *see* I-00052
1-[(3-Chloro-2-methylindol-4-yl)oxy]-3-[(2-phenoxyethyl)-amino]-2-propanol, *see* I-00066
4-Chloro-*N*-(1-methyl-2-isoindolinyl)-3-sulfamoylbenzamide, *see* Z-00011
▷4-Chloro-*N*-methyl-3-[(methylamino)sulfonyl]benzamide, C-00255
▷α-(Chloromethyl)-2-methyl-5-nitro-1*H*-imidazole-1-ethanol, *see* O-00058
▷4-Chloro-*N*-methyl-6-(4-methyl-1-piperazinyl)-5-(methylthio)-2-pyrimidinamine, *see* M-00357
▷4-Chloro-*N*-methyl-3-(methylsulfamoyl)benzamide, *see* C-00255
Chloro-α-[methyl[(morpholinocarbonyl)methyl]amino]-*o*-benzotoluidide, *see* F-00240
N-[3-Chloro-2-[[methyl[2-(4-morpholinyl)-2-oxoethyl]amino]-methyl]phenyl]benzamide, *see* F-00240
Chloromethyl 5-nitro-2-furyl ketone, *see* C-00213
▷*O*-(3-Chloro-4-methyl-2-oxo-2*H*-1-benzoypran-7-yl) *O*,*O*-diethyl phosphorothioate, *see* C-00555
▷4-Chloro-3-methylphenol, C-00256
▷1-(2-Chloro-5-methylphenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, *see* B-00369
▷2-[(3-Chloro-2-methylphenyl)amino]benzoic acid, *see* T-00349
▷2-[(3-Chloro-2-methylphenyl)amino]-3-pyridinecarboxylic acid, *see* C-00479
N-(3-Chloro-4-methylphenyl)-*N′*-4′-*tert*-amylphenoxyhexa-methylenepiperazine, *see* T-00095
▷7-Chloro-*N*-methyl-5-phenyl-3*H*-1,4-benzodiazepin-2-amine 4-oxide, *see* C-00200
▷7-Chloro-1-methyl-5-phenyl-1*H*-1,5-benzodiazepine-2,4(3*H*,5*H*)-dione, *see* C-00433
▷2-[(*p*-Chloro-α-methyl-α-phenylbenzyl)oxy]-*N*,*N*-dimethylethylamine, *see* C-00294
2-[(*p*-Chloro-α-methyl-α-phenylbenzyl)oxy]-*N*,*N*-dimethylpropylamine, *see* M-00050
1-[2-[(*p*-Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]-hexahydro-1*H*-azepine, *see* S-00056
2-[[2-(*p*-Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]-1-methylpyrrolidine, *see* C-00416
1-[2-[(*p*-Chloro-α-methyl-α-phenylbenzyl)oxy]ethyl]-octahydroazocine, *see* O-00017
2-(*p*-Chloro-α-methyl-α-phenylbenzyloxy)triethylamine, *see* C-00452
N-(2-Chloro-4-methylphenyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* T-00358
1-(3-Chloro-4-methylphenyl)-4-[6-[4-(1,1-dimethylpropyl)-phenoxy]hexyl]piperazine, *see* T-00095
▷1-[(4-Chloro-2-methylphenyl)methyl]-1*H*-indazole-3-carboxylic acid, *see* T-00356
N-(2-Chloro-6-methylphenyl)-2-(3-methyl-4-oxo-2-thiazolidinylidene)acetamide, *see* R-00004
N-(2-Chloro-6-methylphenyl)octahydro-1*H*-1-pyrindine-1-propanamide, *see* R-00072
▷8-Chloro-1-methyl-6-phenyl-4*H*-[1,2,4]triazolo[4,3-*a*][1,4]-benzodiazepine, *see* A-00150
2-Chloro-10-(4-methyl-1-piperazinyl)-5*H*-dibenzo[*a*,*d*]-cyclohepten-5-ylidene]acetonitrile, *see* R-00050
▷8-Chloro-11-(4-methyl-1-piperazinyl)-5*H*-dibenzo[*b*,*e*][1,4]-diazepine, *see* C-00521
▷2-Chloro-11-(4-methyl-1-piperazinyl)dibenzo[*b*,*f*][1,4]-thiazepine, *see* C-00507
▷2-Chloro-11-(4-methyl-1-piperazinyl)dibenz[*b*,*f*][1,4]oxazepine, *see* L-00106
▷2-Chloro-10-[3-(4-methyl-1-piperazinyl)propyl]-10*H*-phenothiazine, *see* P-00450
7-Chloro-4-(4-methyl-1-piperazinyl)-10*H*-thieno[3,2-*c*][1]-benzazepine, *see* T-00278

2-Chloro-11-(1-methyl-4-piperidinyl)-11*H*-dibenz[*b*,*e*][1,4]-oxethiepine, *see* C-00516

6α-Chloro-16α-methylpregn-4-ene-3,20-dione, *see* C-00469

6α-Chloro-16α-methylprogesterone, *see* C-00469

▷N^4-(7-Chloro-3-methyl-4-quinolinyl)-*N'*,*N'*-diethyl-1,4-pentanediamine, *see* M-00240

▷4-Chloro-*N'*-methyl-*N'*-[(tetrahydro-2-methyl-2-furanyl)-methyl]-1,3-benzenedisulfonamide, *see* M-00069

N^2-Chloromethyltetrandrinium, *in* T-00152

2-[(2-Chloro-4-methyl-3-thienyl)amino]-2-imidazoline, *see* T-00236

3-Chloro-α-methyl-4-(2-thienylcarbonyl)benzeneacetic acid, *see* C-00431

N-(2-Chloro-4-methyl-3-thienyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* T-00236

p-Chloro-*N*-(2-morpholinoethyl)benzamide, *see* M-00415

4-Chloro-*N*-[2-(4-morpholinyl)ethyl]benzamide, *see* M-00415

▷Chloromycetin, *see* C-00195

6-Chloro-1,2,3,4-naphthalenetetrol, C-00257

2-[(4-Chloro-1-naphthyl)methyl]-2-imidazoline, *see* C-00476

6-(7-Chloro-1,8-naphthyridin-2-yl)-2,3,6,7-tetrahydro-7-oxo-5*H*-[1,4]dithiino[2,3-*c*]pyrrol-5-yl 4-methylpiperazine-1-carboxylate, *see* S-00278

▷Chloronitrin, *see* C-00195

▷2-Chloro-4-nitrobenzoic acid, C-00258

2-Chloro-1-(5-nitro-2-furanyl)ethanone, *see* C-00213

2-[[*o*-Chloro-α-(nitromethyl)benzyl]thio]ethylamine, *see* N-00165

5-Chlorooxazalo[4,5-*h*]quinoline-2-carboxylic acid, C-00259

4-[(5-Chloro-2-oxo-3(2*H*)-benzothiazolyl)acetyl]-1-piperazineethanol, *see* T-00245

6β-Chloropenicillanic acid, *in* A-00295

1-(5-Chloropentanoyl)-2-(8-chloro-10,11-dihydrodibenz[*b*,*f*]-[1,4]oxazepine-10-carbonyl)hydrazine, *see* P-00265

2'-Chloropentostatin, *see* A-00066

1-(*o*-Chlorophenethyl)-*N*-cyclohexyl-4-hydroxy-*N*,α,α-trimethyl-4-piperidineacetamide, *see* P-00305

▷3-Chloro-*N*-phenethylpropionamide, *see* F-00031

▷1-(*p*-Chlorophenethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinoline, *see* M-00328

4-Chlorophenetole, *in* C-00260

▷4-Chlorophenol, C-00260

▷Chlorophenotane, *in* T-00432

▷Chlorophenothane, *see* T-00432

3-[1-[3-(2-Chloro-10*H*-phenothiazin-10-yl)propyl]-4-hydroxy-4-piperidinyl]dihydro-2(3*H*)-furanone, *see* F-00296

▷1-[3-(2-Chlorophenothiazin-10-yl)propyl]isonipecotamide, *see* P-00273

▷4-[3-(2-Chlorophenothiazin-10-yl)propyl]-1-piperazineethanol, *see* P-00129

1-[2-[4-[3-(2-Chloro-10*H*-phenothiazin-10-yl)propyl]-1-piperazinyl]ethyl]-3-methyl-2-imidazolidinone, *see* I-00028

▷1-[3-(2-Chloro-10*H*-phenothiazin-10-yl)propyl]-4-piperidinecarboxamide, *see* P-00273

8-[3-(2-Chloro-10-phenothiazinyl)propyl]-1-thia-4,8-diazospiro[4,5]decan-3-one, *see* S-00114

Chlorophenoxamide, *see* C-00415

▷(4-Chlorophenoxy)acetic acid 2-(dimethylamino)ethyl ester, *see* M-00046

▷(*p*-Chlorophenoxy)acetic acid 2-isopropylhydrazide, *see* I-00158

▷(4-Chlorophenoxy)acetic acid 2-(methylethyl)hydrazide, *see* I-00158

▷*N*-(4-Chlorophenoxyacetyl)-*N'*-isopropylhydrazine, *see* I-00158

1-[(*p*-Chlorophenoxy)acetyl]-4-piperonylpiperazine, *see* F-00107

▷2-(4-Chlorophenoxy)-*N*-[2-(diethylamino)ethyl]acetamide, *see* C-00455

1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)-ethenyl]-1*H*-imidazole, *see* D-00068

1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)-1-methylethenyl]-1*H*-imidazole, *see* O-00046

N-[2-(4-Chlorophenoxy)ethyl]-*N*,*N*-dimethyl-1-dodecanaminium, *see* D-00565

[2-(*p*-Chlorophenoxy)ethyl]dodecyldimethylammonium, *see* D-00565

2-[6-(4-Chlorophenoxy)hexyl]oxirane carboxylic acid ethyl ester, *see* E-00259

▷7-[2-[4-(3-Chlorophenoxy)-3-hydroxy-1-butenyl]-3,5-dihydroxycyclopentyl]-5-heptenoic acid, *see* C-00490

▷7-[2-[4-(3-Chlorophenoxy)-3-hydroxy-1-butenyl]-3,5-dihydroxycyclopentyl]-2,5-heptadienoic acid methyl ester, *see* D-00058

7-[2-[[(3-Chlorophenoxy)-2-hydroxypropyl]thio]-3,5-dihydroxycyclopentyl]-5-heptenoic acid, *see* L-00114

1-(4-Chlorophenoxy)-1-(1*H*-imidazol-1-yl)-3,3-dimethyl-2-butanone, *see* C-00427

▷4-Chlorophenoxyisobutyric acid, *see* C-00456

α-(*p*-Chlorophenoxy)isobutyrylampicillin, *see* F-00102

1-[(4-Chlorophenoxy)methyl]-3,4-dihydroisoquinoline, *see* F-00014

α-[(4-Chlorophenoxy)methyl]-α-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol, *see* V-00028

▷2-(4-Chlorophenoxy)-2-methyl-*N*-[[(4-morpholinylmethyl)-amino]carbonyl]propanamide, *see* P-00369

6-(3-Chlorophenoxy)-2-methyl-1-oxa-4-azaspiro[4.5]decan-3-one, *see* E-00056

2-[2-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]-1-[[2-(4-chlorophenoxy)-2-methyl-1-oxopropoxy]methyl]ethyl 2-(acetyloxy)benzoate, *see* S-00005

2-[2-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]ethyl 3-pyridinecarboxylate, *see* E-00250

2-[3-(4-Chlorophenoxy)-2-methyl-1-oxopropoxy]-1,3-propanediyl 3-pyridinecarboxylate, *see* B-00170

▷2-(4-Chlorophenoxy)-2-methylpropanoic acid, *see* C-00456

▷2-(4-Chlorophenoxy)-2-methylpropanoic acid 2-(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purin-7-yl)ethyl ester, *see* T-00168

▷2-(*p*-Chlorophenoxy)-2-methylpropionic acid ester with 7-(2-hydroxyethyl)theophylline, *see* T-00168

▷2-(*p*-Chlorophenoxy)-2-methylpropionic acid trimethylene ester, *see* S-00074

▷1-[2-(*p*-Chlorophenoxy)-2-methylpropionyl]-3-(morpholinomethyl)urea, *see* P-00369

3-[2-(*p*-Chlorophenoxy)-2-methylpropionyl]-4-thiazolidinecarboxylic acid, *see* T-00287

1-[(4-Chlorophenoxy)methyl]-1,2,3,4-tetrahydro-6,7-isoquinolinediol, *see* C-00454

6-[[4-(4-Chlorophenoxy)phenoxy]methyl]-1-hydroxy-4-methyl-2(1*H*)-pyridinone, *see* R-00053

▷3-(4-Chlorophenoxy)-1,2-propanediol, C-00261

1-[2-[3-(4-Chlorophenoxy)propoxy]-2-(2,4-dichlorophenyl)-ethyl]-1*H*-imidazole, *see* Z-00026

▷16-(3-Chlorophenoxy)-9,11,15-trihydroxy-17,18,19,20-tetranorprosta-5,13-dienoic acid, *see* C-00490

p-Chlorophenylalanine, *see* A-00226

N-[[(4-Chlorophenyl)amino]carbonyl]-2-(dimethylamino)-6-fluorobenzamide, *see* C-00408

N-[[(4-chlorophenyl)amino]carbonyl]pentanimidamide, *see* C-00042

▷1-(4-Chlorophenyl)-3-azabicyclo[3.1.0]hexane-2,4-dione, *see* C-00652

α-(4-Chlorophenyl)-2-benzofuranmethanol, *see* C-00498

1-(*p*-Chloro-α-phenylbenzyl)-4-cinnamylpiperazine, *see* C-00443

▷1-(*p*-Chloro-α-phenylbenzyl)-4-(*m*-methylbenzyl)piperazine, *see* M-00051

▷1-(*p*-Chloro-α-phenylbenzyl)-4-methylpiperazine, *see* C-00198

4-[2-(*p*-Chloro-α-phenylbenzyloxy)ethyl]morpholine, *see* D-00263

▷[2-[(*p*-Chloro-α-phenylbenzyl)oxy]ethyl]piperidine, *see* C-00482

2-[[*p*-(*p*-Chlorophenyl)benzyl]oxy]-2-methylpropionic acid, *see* C-00439

3-[(*p*-Chloro-α-phenylbenzyl)oxy]-1-methylpyrrolidine, *see* P-00593

▷2-[2-[2-[4-(*p*-Chloro-α-phenylbenzyl)-1-piperazinyl]ethoxy]-ethoxy]ethanol, *see* E-00246

1-[2-[(*o*-Chloro-α-phenylbenzyl)thio]ethyl]-4-(*o*-methylbenzyl)-piperazine, *see* B-00068

4-Chlorophenyl 2-(4-chlorophenoxy)-2-methylpropionate, *see* D-00618

3-[3-(4-Chlorophenyl)-1-(5-chloro-2-thienyl)-3-hydroxypropyl]-4-hydroxy-2*H*-1-benzopyran-2-one, *see* T-00297

N-(4-Chlorophenyl)-*N'*-[4-chloro-3-(trifluoromethyl)phenyl]-urea, *see* C-00458

▷4-Chloro-α-phenyl-*o*-cresol, *see* B-00109

1-(1-*p*-Chlorophenylcyclobutyl)-3-methylbutyldimethylamine, *see* S-00065

▷2-[[1-(4-Chlorophenyl)cyclohexyl]oxy]-*N*,*N*-diethylethanamine, *see* C-00451

▷2[[1-(4-Chlorophenyl)cyclohexyl]oxy]triethylamine, *see* C-00451

▷1-(*p*-Chlorophenyl)-1,2-cyclopropanedicarboximide, *see* C-00652

3-(4-Chlorophenyl)-5-cyclopropyl-2-methylpyrrolidine, *see* P-00233

▷2-Chlorophenyl-*N*-desmethyldiazepam, *see* D-00056

1-[2-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)methoxy]-ethyl]-1*H*-imidazole, *see* O-00054

1-[[2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)oxiranyl]-methyl]-1*H*-1,2,4-triazole, *see* A-00155

1-[2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)-2-propenyl]-1*H*-imidazole, *see* A-00117

1-[4-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)thio]butyl]-1*H*-imidazole, *see* B-00410

2-(4-Chlorophenyl)-3-(2,4-dichlorophenyl)-2-(1,2,4-triazol-1-ylmethyl)oxirane, *see* A-00155

▷*N*-(4-Chlorophenyl)-*N'*-(3,4-dichlorophenyl)urea, C-00262

▷1-*p*-Chlorophenyl-1-(2-diethylaminoethoxy)cyclohexane, *see* C-00451

▷2-(*p*-Chlorophenyl)-1-[*p*-[2-(diethylamino)ethoxy]phenyl]-1-*p*-tolylethanol, *see* T-00523

(2-Chlorophenyl)[2-[2-[(diethylamino)methyl]-1*H*-imidazol-1-yl]-5-nitrophenyl]methanone, *see* N-00193

1-(4-Chlorophenyl)-2-[[3-(10,11-dihydro-5*H*-dibenz[*b*,*f*]-azepin-5-yl)propyl]methylamino]ethanone, *see* L-00074

▷1-(4-Chlorophenyl)-1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamine, *see* C-00603

1-(4-Chlorophenyl)-1,2-dihydro-1-hydroxy[1,2,4]-triazino[6,1-*a*]isoquinolin-5-ium, *see* T-00404

▷5-(4-Chlorophenyl)-2,5-dihydro-3*H*-imidazo[2,1-*a*]isoindol-5-ol, *see* M-00029

α-(4-Chlorophenyl)-α-(4,5-dihydro-1*H*-imidazol-2-yl)-2-pyridinemethanol, *see* D-00022

3-(4-Chlorophenyl)-1,3-dihydro-6-methylfuro[3,4-*c*]pyridin-7-ol, *see* C-00327

5-(2-Chlorophenyl)-1,3-dihydro-3-methyl-7-nitro-2*H*-1,4-benzodiazepin-2-one, *see* M-00047

N-(3-Chlorophenyl)-*N'*-(4,5-dihydro-1-methyl-4-oxo-1*H*-imidazol-2-yl)urea, *see* F-00059

6-(2-Chlorophenyl)-2,4-dihydro-2-[(4-methyl-1-piperazinyl)-methylene]-8-nitro-1*H*-imidazo[1,2-*a*][1,4]benzodiazepin-1-one, *see* L-00089

3-(4-Chlorophenyl)-3′,4′-dihydro-5′-(4-morpholinyl)-spirobicyclo[2.2.1]heptane-2,2′-[2*H*]pyrrole, *see* S-00113

▷5-(2-Chlorophenyl)-1,3-dihydro-7-nitro-2*H*-1,4-benzodiazepin-2-one, *see* C-00475

5-(4-Chlorophenyl)-4,5-dihydro-2-oxazolamine, C-00263

α-(2-Chlorophenyl)-6,7-dihydrothieno[3,2-*c*]pyridine-5(4*H*)-acetic acid methyl ester, *see* C-00484

▷(4-Chlorophenyl)[3,5-dimethoxy-4-[2-(4-morpholinyl)ethoxy]-phenyl]methanone, *see* M-00440

▷1-*o*-Chlorophenyl-4-(3,4-dimethoxyphenethyl)piperazine, *see* M-00061

1-(3-Chlorophenyl)-3-[2-(dimethylamino)ethyl]-2-imidazolidinone, *see* I-00035

▷1-*o*-Chlorophenyl-3-dimethylamino-1-phenylpropanol, *see* C-00191

1-(3-Chlorophenyl)-3-dimethylamino-1-phenyl-2-propanol, *see* C-00417

1-(3-Chlorophenyl)-3-[2-(3,3-dimethyl-1-azetidinyl)ethyl]-2-imidazolidinone, *see* Z-00010

[2-(4-Chlorophenyl)-1,1-dimethylethyl]alanine, *see* A-00094

2-[[2-(4-Chlorophenyl)-1,1-dimethylethyl]amino]ethanol, *see* E-00254

1-(3-Chlorophenyl)-2-[(1,1-dimethylethyl)amino]-1-propanone, *see* B-00371

1-(4-Chlorophenyl)-*N*,*N*-dimethyl-α-(2-methylpropyl)-cyclobutanemethanamine, *see* S-00065

▷γ-(4-Chlorophenyl)-*N*,*N*-dimethyl-2-pyridinepropanamine, *see* C-00292

1-(4-Chlorophenyl)-2,5-dimethyl-1*H*-pyrrole-3-acetic acid, *see* C-00487

▷*N*-(4-Chlorophenyl)-2,6-dioxocyclohexanecarbothioamide, *see* O-00050

▷1-[2-Chlorophenyl)diphenylmethyl]-1*H*-imidazole, *see* C-00512

1-[2-(2-Chlorophenyl)ethyl]-*N*-cyclohexyl-4-hydroxy-*N*,α-dimethyl-4-piperidineacetamide, *see* P-00306

1-[2-(2-Chlorophenyl)ethyl]-*N*-cyclohexyl-4-hydroxy-*N*,α,α-trimethyl-4-piperidineacetamide, *see* P-00305

▷5-(2-Chlorophenyl)-7-ethyl-1,3-dihydro-1-methyl-2*H*-thieno[2,3-*e*]-1,4-diazepin-2-one, *see* C-00508

▷4-(2-Chlorophenyl)-2-ethyl-9-methyl-6*H*-thieno[3,2-*f*]-[1,2,4]-triazolo[4,3-*a*][1,4]diazepine, *see* E-00244

▷3-Chloro-*N*-(2-phenylethyl)propanamide, *see* F-00031

▷5-(4-Chlorophenyl)-6-ethyl-2,4-pyrimidinediamine, *see* P-00585

▷1-[2-(4-Chlorophenyl)ethyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinoline, *see* M-00328

▷4-(*p*-Chlorophenyl)-1-[3-(*p*-fluorobenzoyl)propyl]-*N*,*N*-dimethylisonipecotamide, *see* A-00343

▷4-(*p*-Chlorophenyl)-1-(3-*p*-fluorobenzoylpropyl)-4-hydroxypiperidine, *see* H-00015

4-[[(4-Chlorophenyl)(5-fluoro-2-hydroxyphenyl)methylene]-amino]butanamide, *see* P-00465

2-[(4-Chlorophenyl)(4-fluorophenyl)methoxy]ethanamine, *see* H-00011

▷4-(4-Chlorophenyl)-1-[4-(4-fluorophenyl)-4-oxobutyl]-*N*,*N*-dimethyl-4-piperidinecarboxamide, *see* A-00343

1-[[4-(3-Chlorophenyl)-1-[4-(4-fluorophenyl)-4-oxobutyl]-4-piperidinyl]carbonyl]pyrrolidine, *see* H-00014

4-(4-Chlorophenyl)-1-(4-fluorophenyl)-1*H*-pyrazole-3-acetic acid, *see* P-00315

2-(*p*-Chlorophenyl)-1,3,4,6,7,11*b*-hexahydro-9,10-dimethoxy-2*H*-benzo[*a*]quinolizine, *see* Q-00007

▷4-(2-Chlorophenylhydrazono)-3-methyl-5-isoxazolone, *see* D-00601

4-(4-Chlorophenyl)-4-hydroxy-*N*,*N*-dimethyl-α,α-diphenyl-1-*p*-piperidinebutanamide, *see* L-00087

▷5-(4-Chlorophenyl)-β-hydroxy-2-furanpropanoic acid, *see* O-00063

5-(4-Chlorophenyl)-*N*-hydroxy-1-(4-methoxyphenyl)-*N*-methyl-1*H*-pyrazole-3-propanamide, *see* T-00077

2-[4-[(4-Chlorophenyl)hydroxymethyl]phenoxy]-2-methylpropanoic acid, *see* F-00055

▷4-[4-*p*-(Chlorophenyl)-4-hydroxypiperidinol]-4′-fluorobutyrophenone, *see* H-00015

▷4-[4-(4-Chlorophenyl)-4-hydroxy-1-piperidinyl]-4′-(4-flurophenyl)-1-butanone, *see* H-00015

2-[[α-(*p*-Chlorophenyl)-α-hydroxy-*p*-tolyl]oxy]-2-methylpropionic acid, *see* F-00055

1-(4-Chlorophenyl)-2-imino-3-methyl-4-imidazolidinone, *see* C-00412

3-(4-Chlorophenyl)-4-imino-2-oxo-1-imidazolidineacetonitrile, *see* N-00145

▷2-(4-Chlorophenyl)-1,3-indandione, C-00264

▷2-(4-Chlorophenyl)-1*H*-indene-1,3(2*H*)-dione, *see* C-00264

1-(*o*-Chlorophenyl)-2-isopropylaminoethanol, *see* C-00502

▷1′-(*p*-Chlorophenyl)-5-isopropylbiguanide, *see* C-00204

▷Chlorophenylmercury, C-00265

▷1-[2-[(4-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1*H*-imidazole, *see* E-00009

4-[(2-Chlorophenyl)methoxy]-1-methyl-1*H*-imidazo[4,5-*c*]-pyridine, *see* B-00009

▷1-(4-Chlorophenyl)-5-methoxy-1-pentanone *O*-(2-aminoethyl)-oxime, *see* C-00513

1-[1-[2-[(3-Chlorophenyl)methoxy]phenyl]ethenyl]-1*H*-imidazole, *see* C-00562

3-[4-[(3-Chlorophenyl)methoxy]phenyl]-5-[(methylamino)-methyl]-2-oxazolidinone, *see* A-00140

2-(2-Chlorophenyl)-2-(methylamino)cyclohexanone, C-00266

α-(4-Chlorophenyl)-2-[(methylamino)methyl]benzenemethanol, *see* S-00057

▷2-(4-Chlorophenyl)-α-methyl-5-benzoxazoleacetic acid, *see* B-00059

▷2-(3-Chlorophenyl)-3-methyl-2,3-butanediol, C-00267

▷2-(4-Chlorophenyl)-3-methyl-2,3-butanediol, *see* P-00139

2-[(4-Chlorophenyl)methyl]-*N*,*N*-diethyl-5-nitro-1*H*-benzimidazole-1-ethanamine, *see* C-00478

6-[(4-Chlorophenyl)methyl]-2,3-dihydro-5*H*-thiazolo[3,2-*a*]-pyrimidino-5,7(6*H*)-dione, *see* N-00230

▷*N*-[(4-Chlorophenyl)methyl]-*N'*,*N'*-dimethyl-*N*-2-pyridinyl-1,2-ethanediamine, *see* H-00019

2-[(4-Chlorophenyl)methylene]cyclohexanone *O*-[3-[bis(1-methylethyl)amino]propyl]oxime, *see* E-00112

▷*N*-(4-Chlorophenyl)-*N'*-(1-methylethyl)imidodicarbonimidic diamide, *see* C-00204

N-(4-Chlorophenyl)-*N*-[1-(1-methylethyl)-4-piperidinyl]-benzeneacetamide, *see* L-00094

N-[(3-Chlorophenyl)methyl]-*N'*-ethylurea, C-00268

▷4-[(4-Chlorophenyl)methyl]-2-(hexahydro-1-methyl-1*H*-azepin-4-yl)-1(2*H*)-phthalazinone, *see* A-00515

4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269

3-(2-Chlorophenyl)-5-methyl-4-isoxazolylpenicillin, *see* C-00515

▷*N*-[(2-Chlorophenyl)methyl]-α-methylbenzeneethanamine, *see* C-00435

▷1-[(4-Chlorophenyl)methyl]-2-methyl-1*H*-benzimidazole, *see* C-00211

2-[[2-(4-Chlorophenyl)-4-methyl-5-oxazolyl]methoxy]-2-methyl-propanoic acid, *see* R-00080

▷2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, C-00270

2-[4-[(4-Chlorophenyl)methyl]phenoxy]-2-methylbutanoic acid, *see* B-00023

7-[3-[4-(4-Chlorophenyl)methyl]-1-piperazinyl]propoxy]-3,4-dimethyl-2*H*-1-benzopyran-2-one, *see* P-00244

2-[(4-Chlorophenyl)(1-methyl-4-piperidinylidene)methyl]-pyridine, *see* C-00593

▷3-Chloro-*N*-(phenylmethyl)propanamide, *see* B-00022

1-(2-Chlorophenyl)-2-methyl-2-propylamine, C-00271

1-(4-Chlorophenyl)-2-methylpropyl 3-pyridinecarboxylate, *see* N-00094

1-(2-Chlorophenyl)-4-[2-(1-methyl-1*H*-pyrazol-4-yl)ethyl]-piperazine, *see* E-00063

1-(3-Chlorophenyl)-4-[2-(5-methyl-1*H*-pyrazol-3-yl)ethyl]-piperazine, *see* M-00099

N'-[1-(*m*-Chlorophenyl)-3-methyl-5-pyrazolyl]sulfanilamide, *see* S-00189

1-[(4-Chlorophenyl)methyl]-2-(1-pyrrolidinylmethyl)-1*H*-benzimidazole, *see* C-00418

▷3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, C-00272

4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-6,6-dimethyl-9*H*-imidazo[1,2-*a*]purin-9-one, *see* F-00072

4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, C-00273

5-[(2-Chlorophenyl)methyl]-4,5,6,7-tetrahydrothieno[3,2-*c*]-pyridine, *see* T-00256

4-[3-[4-(2-Chlorophenyl)-9-methyl-6*H*-thieno[3,2-*f*][1,2,4]-triazolo[4,3-*a*][1,4]diazepin-2-yl]-1-oxopropyl]morpholine, *see* A-00420

1-[2-[[(4-Chlorophenyl)methyl]thio]-2-(2,4-dichlorophenyl)-ethyl]-1*H*-imidazole, *see* S-00184

▷6-Chloro-3-[[(phenylmethyl)thio]methyl]-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00103

2-[[1-(2-Chlorophenyl)-2-nitroethyl)thio]ethanamine, *see* N-00165

▷4-[5-(*o*-Chlorophenyl)-1,2,4-oxadiazol-3-yl]pyridine, *see* P-00247

2-[5-(4-Chlorophenyl)pentyl]glycidic acid, *see* C-00474

2-[5-(4-Chlorophenyl)pentyl]oxiranecarboxylic acid, *see* C-00474

2-[*p*-(*o*-Chlorophenyl)phenacyl]acrylic acid, *see* I-00220

1-[4-(4-Chlorophenyl)-3-phenyl-2-butenyl]pyrrolidine, *see* P-00594

2-[1-(4-Chlorophenyl)-1-phenylethoxy]-*N*,*N*-diethylethanamine, *see* C-00452

▷2-[1-(4-Chlorophenyl)-1-phenylethoxy]-*N*,*N*-dimethylethanamine, *see* C-00294

2-[2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl]-1-methyl-pyrrolidine, *see* C-00416

1-[2-[1-(4-Chlorophenyl)-1-phenylethoxy]ethyl]-octahydroazocine, *see* O-00017

1-[2-[(2-Chlorophenyl)phenylmethoxy]ethyl]-4-[(2-methylphenyl)methyl]piperazine, *see* C-00196

▷1-[2-[(4-Chlorophenyl)phenylmethoxy]ethyl]piperidine, *see* C-00482

3-[(4-Chlorophenyl)phenylmethoxy]-8-methyl-8-azabicyclo[3.2.1]octane, *see* C-00436

3-[(4-Chlorophenyl)phenylmethoxy-1-methylpyrrolidine, *see* P-00593

▷1-[(4-Chlorophenyl)phenylmethyl]-4-[[4-(1,1-dimethylethyl)-phenyl]methyl]piperazine, *see* B-00339

4-[4-(2-Chlorophenyl)phenyl]-2-methylene-4-oxo-butyric acid, *see* I-00220

▷1-[(4-Chlorophenyl)phenylmethyl]hexahydro-4-methyl-1*H*-1,4-diazepine, *see* H-00083

▷1-[(4-Chlorophenyl)phenylmethyl]-4-[(3-methylphenyl)-methyl]piperazine, *see* M-00051

▷1-[(4-Chlorophenyl)phenylmethyl]-4-methylpiperazine, *see* C-00198

1-[(4-Chlorophenyl)phenylmethyl]-4-(3-phenyl-2-propenyl)-piperazine, *see* C-00443

2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]-ethoxyacetic acid, *see* C-00184

▷2-[2-[4-[(4-Chlorophenyl)phenylmethyl]-1-piperazinyl]-ethoxy]-ethanol, *see* H-00222

4-(4-Chlorophenyl)-5-[2-(4-phenyl-1-piperazinyl)ethyl]-1,3-dioxol-2-one, *see* C-00449

3-(4-Chlorophenyl)-1-phenyl-1*H*-pyrazole-4-acetic acid, *see* L-00085

▷4-(4-Chlorophenyl)-2-phenyl-5-thiazoleacetic acid, *see* F-00079

2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-4,5-diethyl-2,4-dihydro-3*H*-1,2,4-triazol-3-one, *see* E-00261

2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-5-ethyl-2,4-dihydro-4-(2-phenoxyethyl)-3*H*-1,2,4-triazol-3-one, *see* N-00061

3-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-2,4(1*H*,3*H*)-quinazolinedione, *see* C-00483

▷2-[3-[4-(3-Chlorophenyl)-1-piperazinyl]propyl]-1,2,4-triazolo-[4,3-*a*]pyridin-3(2*H*)-one, *see* T-00405

3-Chloro-6-[4-(3-phenyl-2-propenyl)-1-piperazinyl]pyridazine, *see* L-00095

1-[6-(2-Chlorophenyl)-3-pyridazinyl]-4-piperidinol, *see* D-00021

▷2-[(4-Chlorophenyl)-2-pyridinylmethoxy]-*N*,*N*-dimethylethanamine, *see* C-00052

2-[2-[4-[(4-Chlorophenyl)-2-pyridinylmethyl]-2-piperazinyl]-ethoxy]ethanol, *see* P-00235

4-[4-(*m*-Chlorophenyl)-4-(1-pyrrolidinylcarbonyl)-piperidino]-4′-fluorobutyrophenone, *see* H-00014

4-[2-[[(4-Chlorophenyl)sulfonyl]amino]ethyl]benzeneacetic acid, *see* D-00007

1-[(*p*-Chlorophenyl)sulfonyl]-3-[*p*-(dimethylamino)phenyl]urea, *see* G-00076

1-[(*p*-Chlorophenyl)sulfonyl]-3-(hexahydro-1*H*-azepin-1-yl)urea, *see* G-00077

▷1-[(*p*-Chlorophenyl)sulfonyl]-3-propylurea, *see* C-00299

▷1-[(*p*-Chlorophenyl)sulfonyl]-3-(1-pyrrolidinyl)urea, *see* G-00068

4-(3-Chlorophenyl)-1,6,7,8-tetrahydro-1,3-dimethylpyrazolo[3,4-*e*][1,4]diazepine, *see* Z-00036

N-(4-Chlorophenyl)-1,2,3,4-tetrahydro-1,3-dioxo-4-isoquinolinecarboxamide, *see* T-00098

4-(4-Chlorophenyl)tetrahydro-6-methyl-3-phenyl-2*H*-pyran-2-one, *see* L-00080

▷2-(4-Chlorophenyl)tetrahydro-3-methyl-4*H*-1,3-thiazin-4-one 1,1-dioxide, *see* C-00210

10-(3-Chlorophenyl)-2,3,4,10-tetrahydropyrimido[1,2-*a*]-indol-10-ol, *see* C-00326
▷2-(4-Chlorophenyl)-4-thiazoleacetic acid, *see* F-00043
3-(4-Chlorophenyl)thiazolo[3,2-*a*]benzimidazole-2-acetic acid, *see* T-00276
(4-Chlorophenyl)-2-thienyliodonium, C-00274
2-[4-[(4-Chlorophenyl)thio]-3,5-dimethylphenyl]-1,2,4-triazine-3,5(2*H*,4*H*)-dione, *see* T-00247
▷*S*-(4-Chlorophenylthiomethyl) *O*,*O*-diethyl phosphorodithioate, *see* C-00060
[[(4-Chlorophenyl)thio]methylene]bisphosphonic acid, *see* T-00280
▷*N*-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, C-00275
8-Chloro-6-phenyl-4*H*-[1,2,4]triazolo[4,3-*a*][1,4]-benzodiazepine-1-methanol, *in* A-00150
▷8-Chloro-6-phenyl-4*H*-[1,2,4]triazolo[4,3-*a*][1,4]benzodiazine, *see* E-00126
▷2-(4-Chlorophenyl)[1,2,4]triazolo[5,1-*a*]isoquinoline, *see* L-00104
6-Chloro-4-phenyl-1-(2,2,2-trifluoroethyl)-2(1*H*)-quinazolinone, *see* F-00213
(*p*-Chlorophenyl)[(α,α,α-trifluoro-*m*-tolyl)oxy]acetic acid *N*-(2-hydroxyethyl)acetamide, *see* H-00008
1-(*p*-Chlorophenyl)-3-valerimidoylurea, *see* C-00042
▷2-Chloro-11-(1-piperazinyl)dibenz[*b*,*f*][1,4]oxazepine, *see* A-00362
2-Chloro-6-(4-piperidinylthio)pyridine, *see* A-00398
Chloroprednisone, *in* C-00232
Chloroprednisone acetate, *in* C-00232
6-Chloro-1,4,6-pregnatriene-3,20-dione, C-00276
▷Chloroprocaine, C-00277
Chloroprocaine hydrochloride, *in* C-00277
▷3-Chloro-1,2-propanediol, C-00278
▷3-Chloropropanoic acid, C-00279
▷3-Chloro-4-(2-propenyloxy)benzeneacetic acid, *see* A-00103
▷Chloroprophenpyridamine, *see* C-00292
▷4-Chloro-*N*-[(propylamino)carbonyl]benzenesulfonamide, *see* C-00299
▷*N*-(3-Chloropropyl)-α-methylbenzeneethanamine, *see* C-00280
▷*N*-(3-Chloropropyl)-α-methylphenethylamine, C-00280
5-(3-Chloropropyl)-4-methylthiazole, C-00281
▷Chloropyramine, *see* H-00019
N′-(6-Chloropyrazinyl)sulfanilamide, *see* S-00190
N′-(6-Chloro-3-pyridazinyl)sulfanilamide, *see* S-00236
▷2-[(6-Chloro-3-pyridazinyl)thio]-*N*,*N*-diethylacetamide, *see* A-00525
▷4-[2-[(6-Chloro-2-pyridinyl)thio]ethyl]morpholine, *see* F-00242
▷4-[3-(3-Chloro-10*H*-pyrido[3,2-*b*][1,4]benzothiazin-10-yl)-propyl]-1-piperazineethanol, *see* C-00520
4-(*p*-Chloro-α-2-pyridylbenzylidene)-1-methylpiperidine, *see* C-00593
2-[2-[4-(*p*-Chloro-α-2-pyridylbenzyl)-1-piperazinyl]ethoxy]-ethanol, *see* P-00235
▷Chloropyrilene, C-00282
Chloropyrilene citrate, *in* C-00282
5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione, C-00283
▷4-Chloro-*N*-[(1-pyrrolidinylamino)carbonyl]-benzenesulfonamide, *see* G-00068
▷2-[3-Chloro-4-(3-pyrrolin-1-yl)phenyl]propionic acid, *see* P-00355
▷Chloroquine, C-00284
Chloroquine gentisate, *in* C-00284
Chloroquine sulfate, *in* C-00284
▷5-Chloro-8-quinolinol, *see* C-00249
7-Chloro-8-quinolinol, *see* C-00250
2-[(7-Chloro-4-quinolinyl)amino]benzoic acid 2-[(3-pyridinylcarbonyl)amino]ethyl ester, *see* N-00084
4-[(7-Chloro-4-quinolinyl)amino]-2,6-bis(1-pyrrolidinylmethyl)-phenol, *see* B-00235
4-[(7-Chloro-4-quinolinyl)amino]-2-[(diethylamino)methyl]-phenol, *see* A-00353
2-[[4-[(7-Chloro-4-quinolinyl)amino]pentyl]amino]ethanol, *see* C-00422
▷2-[[4-[(7-Chloro-4-quinolinyl)amino]pentyl]ethylamino]ethanol, *see* H-00120
▷4-[(7-Chloro-4-quinolinyl)amino]-2-(1-pyrrolidinylmethyl)-phenol, *see* A-00358
▷N^4-(7-Chloro-4-quinolinyl)-N^1,N^1-diethyl-1,4-pentanediamine, *see* C-00284
▷4-[(7-Chloro-4-quinolyl)amino]-α-1-pyrrolidinyl-*o*-cresol, *see* A-00358
N-(7-Chloro-4-quinolyl)anthranilic acid 2-nicotinamidoethyl ester, *see* N-00084
▷Chloroserpidine, C-00285
2-Chloro-5′-sulfamoyladenosine, *in* C-00214
4-Chloro-3-sulfamoylbenzamide, *in* C-00286
1-(4-Chloro-3-sulfamoylbenzamido)-2,6-dimethylpiperidine, *see* C-00480
p-(Chlorosulfamoyl)benzoic acid, *see* M-00427
4-Chloro-3-sulfamoylbenzoic acid 2,2-dimethylhydrazide, *see* A-00121
▷6-Chloro-7-sulfamoyl-1,2,4-benzothiadiazine-1,1-dioxide, *see* C-00288
4-(4-Chloro-3-sulfamoylphenyl)-3-methyl-2-methylimino-1,3-thiazolidin-4-ol, *see* T-00331
N-(2-Chloro-4-sulfamoylphenyl)-2-phenylsuccinimide, *see* S-00174
4-Chloro-5-sulfamoyl-2′,6′-salicyloxylidide, *see* X-00017
4-Chloro-3-sulfobenzoic acid, C-00286
Chlorosyl, *in* C-00632
Chlorotenoxicam, *see* L-00098
4-Chlorotestosterone, *see* C-00506
Chlorotestosterone caproate, JAN, *in* C-00506
▷Chlorotetracycline, *see* A-00476
1-Chloro-1,2,2,3-tetrafluoro-3-methoxycyclopropane, C-00287
4′-Chloro-1,2,3,4-tetrahydro-1,3-dioxo-4-isoquinolinecarboxanilide, *see* T-00098
6-Chloro-2,3,4,5-tetrahydro-1-(4-hydroxyphenyl)-1*H*-3-benzazepine-7,8-diol, *see* F-00063
8-Chloro-3,4,5,6-tetrahydro-6-[(1-isopropyl-2-imidazolin-2-yl)-methyl]-2*H*-1,6-benzothiazocine, *see* D-00026
8-Chloro-1,2,3,4-tetrahydro-5-methoxy-*N*,*N*-dimethyl-1-naphthalenamine, *see* L-00079
▷2-Chloro-5,9,10,14*b*-tetrahydro-5-methylisoquino[2,1-*d*]-[1,4]-benzodiazepin-6(7*H*)-one, *see* C-00411
▷7-Chloro-1,2,3,4-tetrahydro-2-methyl-3-(2-methylphenyl)-4-oxo-6-quinazolinesulfonamide, *see* M-00330
8-Chloro-2,3,4,5-tetrahydro-2-methyl-5-[2-(6-methyl-3-pyridinyl)ethyl]-1*H*-pyrido[4,3-*b*]indole, *see* D-00583
7-Chloro-1,2,3,5-tetrahydro-1-methyl-2-oxo-5-phenyl-4*H*-1,4-benzodiazepine-4-carboxamide, *see* C-00069
2-Chloro-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)-phenyl]propanamide, *see* A-00344
▷7-Chloro-1,2,3,4-tetrahydro-2-methyl-4-oxo-3-*o*-tolyl-6-quinazolinesulfonamide, *see* M-00330
▷10-Chloro-2,3,7,11*b*-tetrahydro-2-methyl-11*b*-phenyl-oxazolo[3,2-*d*][1,4]benzodiazepin-6(5*H*)-one, *see* O-00098
7-Chloro-1,2,3,4-tetrahydro-4-oxo-2-phenyl-6-quinazolinesulfonamide, *see* F-00075
8-Chloro-1,3,4,5-tetrahydro-1-phenyl-2*H*-1,5-benzodiazepin-2-one, *see* L-00072
5-Chloro-3-(1,2,3,6-tetrahydro-1-propyl-4-pyridinyl)-1*H*-indole, *see* T-00076
6-Chloro-1,2,3,4-tetrahydroxynaphthalene, *see* C-00257
9-Chloro-7-(1*H*-tetrazol-5-yl)-5*H*-[1]benzopyrano[2,3-*b*]-pyridin-5-one, *see* T-00402
▷2-Chloro-5-(1*H*-tetrazol-5-yl)-N^4-2-thienylsulfanilamide, *see* A-00530
▷Chlorothen, *see* C-00282
5-Chloro-3-(2-thenoyl)-2-oxindole-1-carboxamide, *see* T-00068
▷2-[(5-Chloro-2-thenyl)[2-(dimethylamino)ethyl]amino]pyridine, *see* C-00282
Chlorothiamine, *in* B-00025
▷Chlorothiazide, C-00288
Chlorothiazide sodium, *in* C-00288
1-(5-Chloro-2-thienyl)-2-(1*H*-imidazol-1-yl)ethanone (2,6-dichlorophenyl)hydrazone, *see* Z-00021
1-[2-[(2-Chloro-3-thienyl)methoxy]-2-(2,4-dichlorophenyl)-ethyl]-1*H*-imidazole, *see* T-00298

▷*N*-[(5-Chloro-2-thienyl)methyl]-*N'*,*N'*-dimethyl-*N*-2-pyridinyl-1,2-ethanediamine, *see* C-00282
3-[(2-Chlorothioxanthan-9-ylidene)methyl]quinuclidine, *see* N-00231
1-(2-Chloro-9*H*-thioxanthen-9-yl-idene)-3-(dimethylamino)-1-propanone, *see* C-00233
▷3-(2-Chloro-9*H*-thioxanthen-9-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* C-00300
3-[(2-Chloro-9*H*-thioxanthen-9-ylidene)methyl]-1-azabicyclo[2.2.2]octane, *see* N-00231
4-[3-(2-Chloro-9*H*-thioxanthen-9-ylidene)propyl]-*N*-methyl-1-piperazinepropanamide, *see* C-00511
4-[3-(2-Chloro-9*H*-thioxanthen-9-ylidene)propyl]-1-piperazineethanol, *see* C-00481
4-[3-(2-Chloro-9*H*-thioxanthen-9-ylidene)propyl]-1-piperazine ethanol, *in* C-00481
4-[3-(2-Chlorothioxanthen-9-yl)propyl]-1-piperazinepropanol, *see* X-00004
5-Chlorotoluene-2,4-disulfonamide, *see* D-00543
▷*N*-Chloro-*p*-toluenesulfonamide, C-00289
2-(2-Chloro-*p*-toluidino)-2-imidazoline, *see* T-00358
▷2-(3-Chloro-*o*-toluidino)nicotinic acid, *see* C-00479
▷*N*-(3-chloro-*o*-tolyl)anthranilic acid, *see* T-00349
4-Chloro-*o*-tolylimino-1,3-dithietane, *see* N-00148
1-(3-Chloro-*p*-tolyl)-4-[6-(*p*-*tert*-pentylphenoxy)hexyl]-piperazine, *see* T-00095
▷Chlorotrianisene, C-00290
▷2-Chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate, *see* T-00107
▷2-Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, *see* T-00107
▷1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether, *see* C-00231
▷2-Chloro-1,1,2-trifluoroethyl difluoromethyl ether, *see* C-00230
4-Chloro-α-[3-(trifluoromethyl)phenoxy]benzeneacetic acid 2-(acetylamino)ethyl ester, *see* H-00008
4-[4-Chloro-3-(trifluoromethyl)phenyl]-4-hydroxy-*N*,*N*-dimethyl-α,α-diphenyl-1-piperidinebutanamide, *see* F-00199
4-[-[4-Chloro-3-(trifluoromethyl)phenyl]-4-hydroxy-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, *see* C-00460
4-[4-(4-Chloro-α,α,α-trifluoro-*m*-tolyl)-4-hydroxypiperidino]-4'-fluorobutyrophenone, *see* C-00460
7α-Chloro-11β,17α,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* A-00104
9-Chloro-11,17,21-trihydroxy-16-methylpregna-1,4-diene-3,20-dione, *see* B-00024
6-Chloro-11β,17α,21-trihydroxy-1,4,6-pregnatriene-3,20-dione, *see* C-00489
2-Chloro-*N*,*N*,β-trimethyl-12*H*-dibenzo[*d*,*g*][1,3,6]-dioxazocin-12-propanamine, *see* T-00392
▷Chlorotris(*p*-methoxyphenyl)ethylene, *see* C-00290
▷β-Chlorovinylethylethynylcarbinol, *see* E-00151
4-(2-Chloro-9*H*-xanthen-9-ylidene)-1-methylpiperidine, *see* C-00486
▷Chloroxazone, *see* C-00218
Chloroxine, *see* D-00190
▷Chloroxylenol, *see* C-00235
▷4-Chloro-3,5-xylenol, *see* C-00235
▷[[4-Chloro-6-(2,3-xylidino)-2-pyrimidinyl]thio]acetic acid, *see* P-00332
Chloroxymorphamine, C-00291
Chlorozil, *in* C-00632
▷Chlorphenacyl estradiol diester, *in* O-00028
▷Chlorphenamine, *see* C-00292
▷Chlorphencyclan, *see* C-00451
▷Chlorphenesin, *see* C-00261
▷Chlorphenesin carbamate, *in* C-00261
▷Chlorphenindione, *see* C-00264
▷Chlorpheniramine, C-00292
▷Chlorpheniramine maleate, *in* C-00292
Chlorphenoctium(1+), C-00293
Chlorphenoctium amsonate, *in* C-00293
Chlorphenoxamide, *see* C-00415
▷Chlorphenoxamine, C-00294
▷Chlorphenoxamine hydrochloride, *in* C-00294
▷Chlorphenteramine hydrochloride, *in* C-00295
▷Chlorphentermine, C-00295
▷Chlorphtalidolone, *see* C-00302
▷Chlorpiprazine, *see* P-00129
▷Chlorproethazine, C-00296
Chlorproguanil, C-00297
▷Chlorpromazine, C-00298
▷Chlorpromazine hydrochloride, *in* C-00298
▷Chlorpropamide, C-00299
Chlorpropanol, *see* C-00493
Chlorprothiazole, *see* C-00281
▷Chlorprothixene, C-00300
▷Chlorprothixene hydrochloride, JAN, *in* C-00300
▷Chlorpyrifos, C-00301
▷Chlorquinaldol, *see* D-00189
Chlorquinol, *see* D-00190
Chlorseptal (new form), *in* B-00075
▷Chlortalidone, *see* C-00302
▷Chlortetracycline, *see* A-00476
Chlortetracycline bisulfate, *in* A-00476
▷Chlortetracycline hydrochloride, *in* A-00476
▷Chlorthalidone, C-00302
▷Chlorthenoxazin, C-00303
▷Chlorthenoxazine, *see* C-00303
▷Chlorthenylpyramine, *see* C-00282
▷Chlortran, *see* T-00440
▷Chlortritylimidazole, *see* C-00512
▷Chlorylen, *see* T-00436
▷Chlorzoxazone, *see* C-00218
Chlosudimeprinyl, *see* C-00480
▷Chlothixen, *see* C-00300
▷Chlotride, *see* C-00288
▷Chloxyl, *see* H-00041
▷Cholagit, *in* T-00475
▷Cholalic acid, *in* T-00475
▷Cholecalciferol, *see* V-00062
Cholecystokinin, C-00304
Cholecystokininoctapeptide, *see* S-00077
▷Cholegrafin, *see* I-00108
▷Choleic acid, *in* D-00321
Cholergol, *in* O-00061
▷Cholesolvin, *see* S-00074
Cholestanol, *in* C-00305
3-Cholestanol, C-00305
▷5-Cholesten-3β-ol, *see* C-00306
5α-Cholest-22-en-3β-ol, *in* C-00305
Cholesteril, *in* D-00346
▷Cholesterin, *see* C-00306
▷Cholesterol, C-00306
Cholesterol dibromide, *in* D-00162
Cholesteryl acetate dibromide, *in* D-00162
Cholesteryl chloroformate, *in* C-00306
▷Cholestyramine resin, C-00307
▷Cholexamin, *see* N-00100
Cholibil, *see* T-00456
▷Cholic acid, *in* T-00475
▷Cholimil, *see* I-00094
▷Choline, C-00308
Choline acetyllactate, *see* A-00044
Choline benzilate, *see* M-00326
Choline carbamate, *see* C-00040
▷Choline chloride, *in* C-00308
Choline glycerophosphate, *in* C-00308
Choline hydroxide dihydrogen phosphate inner salt, *in* C-00308
▷Choline hydroxide 5' ester with cytidine 5'-(trihydrogen pyrophosphate), inner salt, *see* C-00655
Choline-4-hydroxy-3,5-dimethoxycinnamate ester, *see* S-00076
Choline orotate, *in* O-00061
Choline perchlorate nitrate, *in* C-00308
▷Choline salicylate, *in* H-00112
Choline sulfuric acid (internal salt), *in* C-00308
▷Choline theophyllinate, *in* C-00308
▷CholinFall, *in* M-00185

▷Cholinophylline, *in* C-00308
▷Choliopan, *in* B-00425
Cholipin, *in* O-00021
▷Chologlucost, *see* P-00160
Cholografin, *see* I-00097
▷Cholografin meglumine, *in* I-00097
▷Chologram, *see* I-00145
▷Cholorebic acid, *in* D-00321
▷Choloview, *see* I-00108
▷Cholovue, *see* I-00108
▷Choloxin, *in* T-00233
▷Cholumbrin, *in* T-00142
▷Cholyltaurine, *see* T-00031
Chondocurarine, *in* C-00309
Chondocurine, C-00309
Chondrocurarine, *in* C-00309
Chondrocurine, *see* C-00309
▷Chorionic gonadotropin, *see* G-00080
▷Choron, *see* G-00080
▷CHP-Phenobarbitalate, *in* E-00218
▷Christmas factor, *see* F-00004
▷Chrometrace, *see* C-00310
▷Chromic chloride, C-00310
▷Chromic phosphate, C-00311
▷Chromitope sodium, *in* S-00086
▷Chromium(3+) chloride, *see* C-00310
Chromocarb, *see* O-00125
▷Chromonar, C-00312
▷Chromonar hydrochloride, *in* C-00312
Chromone-2-carboxylic acid, *see* O-00125
▷Chronogest, *in* F-00150
▷Chronogyn, *see* D-00010
▷Chrysanthemummonocarboxylic acid allethrolone ester, *see* A-00124
▷Chrysanthranol, *see* D-00310
▷Chrysatropic acid, *see* H-00148
▷Chrysazin, *see* D-00308
Chrysazin-3-carboxylic acid, *see* D-00309
Chryscandin, C-00313
2-[(6-Chrysenylmethyl)amino]-2-methyl-1,3-propanediol, *see* C-00560
▷Chryson, *see* R-00031
Chrysothios, *in* M-00115
Chuanbeinone, C-00314
▷Chymar, *see* C-00316
▷Chymar-Zan, *see* C-00316
Chymcoccyd, *in* R-00069
▷Chymex, *see* B-00069
Chymodiacetin, *see* C-00315
Chymopapain, C-00315
▷Chymoral, *in* T-00565
▷Chymotrypsin, C-00316
CI 072, *see* E-00256
CI 301, *see* B-00150
CI 336, *in* T-00438
▷CI 337, *in* A-00509
▷CI 379, *in* B-00082
▷CI 395, *see* P-00183
CI 400, *in* P-00182
CI 403*A*, *in* T-00532
▷CI 416, *in* P-00285
▷CI 419, *see* F-00053
▷CI 427, *see* P-00459
CI 433, *see* C-00407
▷CI 456, *see* C-00255
▷CI 501, *in* C-00603
CI 515, *in* P-00173
CI 546, *see* A-00121
CI 572, *in* P-00462
▷CI 583, *in* M-00045
▷CI 633, *see* C-00430
CI 634, *in* T-00272
CI 636, *see* S-00191
▷CI 642, *see* B-00408
CI 661, *see* O-00118
▷CI 673, *in* A-00435
CI 683, *see* R-00062
CI-716, *in* Z-00028
CI 718, *see* B-00066
▷CI 719, *see* D-00443
CI 720, *see* T-00146
▷CI 728, *in* N-00182
CI 775, *see* B-00146
CI 781, *see* Z-00036
CI 787, *in* T-00301
▷CI 808, *in* A-00435
▷CI 825, *see* P-00105
▷CI 845, *in* P-00342
CI 867, *in* P-00325
CI 871, *see* B-00150
▷CI 874, *in* I-00055
CI 879, *see* P-00397
▷CI 880, *see* A-00373
CI-881, *in* A-00180
CI 897, *see* T-00046
CI-898, *see* T-00514
▷CI 904, *see* D-00150
CI 906, *in* Q-00012
CI 907, *in* I-00063
▷CI 908, *see* D-00115
▷CI 909, *see* T-00246
CI 911, *see* D-00302
CI 912, *in* B-00087
CI 914, *see* I-00026
CI 919, *see* E-00060
CI 920, *see* F-00260
CI 921, *see* M-00239
CI 928, *see* Q-00012
CI 942, *see* P-00350
CI 946, *see* R-00004
▷CI 13390, *in* A-00379
C.I. 22850, *see* T-00564
▷CI 36746, *in* T-00480
▷CI 45350, *see* F-00180
CI 45440, *see* T-00105
▷CI 77891, *see* T-00326
C.I. Acid Blue 1, *see* S-00249
▷C.I. Acid Blue 74, *in* I-00058
▷CI acid blue 92, *in* A-00379
▷CI Acid Red 51, *see* E-00118
CI Acid Red 94, *see* T-00105
▷Ciadox, C-00317
Cialit, *in* O-00070
Ciamexon, C-00318
▷Cianatil, *see* C-00578
Cianergoline, C-00319
▷Cianidanol, *in* P-00081
▷Cianidol, *in* P-00081
Cianopramine, C-00320
Ciapilome, C-00321
▷Ciba 1906, *see* T-00173
▷Ciba 7115, *see* K-00014
▷Ciba 8949, *see* C-00203
Ciba 10611, *in* C-00628
Ciba 10870, *in* P-00155
▷Ciba 11925, *see* P-00144
▷Ciba 12669*A*, *see* D-00062
▷Ciba 16038, *see* A-00305
Ciba 18605, *see* S-00207
Ciba 19390, *see* C-00478
Ciba 20684, *see* E-00260
▷Ciba 21381, *in* I-00032
▷Ciba 30803, *in* B-00090
Ciba 32968, *see* D-00053
▷Ciba 33112, *in* D-00044
Ciba 38372, *in* O-00031
Ciba 40088, *see* P-00547
Ciba 43853, *in* E-00175
Ciba 21851-Ba, *in* P-00412
▷Ciba 23644-Ba, *see* N-00156
Cibacalcin, *in* C-00013
Cibalith-S, *see* L-00059

▷C.I. Basic Blue 9, *in* B-00208
C.I. Basic Blue 17, *see* T-00359
▷CI Basic violet 3, *in* B-00209
▷Ciba 8341-Su, *see* C-00630
Cibenzoline, C-00322
Cibenzoline succinate, *in* C-00322
Cicaprost, C-00323
Cicarperone, C-00324
CI 686, 11Cl, *in* A-00245
▷Ciclacillin, *see* C-00585
Ciclactate, *in* T-00506
Ciclafrine, C-00325
Ciclafrine hydrochloride, *in* C-00325
Ciclazindol, C-00326
Cicletanine, C-00327
Ciclindole, *see* D-00422
Cicliomenol, *see* C-00615
Ciclobendazole, C-00328
Ciclofenazine, C-00329
▷Cicloforme, *in* A-00216
▷Cicloheximide, *in* D-00441
Ciclometasone, *see* C-00624
▷Ciclomidrin, *see* H-00082
Ciclonicate, *in* T-00506
Ciclonium(1+), C-00330
▷Ciclonium bromide, *in* C-00330
▷Ciclopal, *see* C-00629
Ciclopirox, *see* C-00612
▷Ciclopirox olamine, *in* C-00612
Ciclopramine, C-00331
Cicloprofen, *see* F-00179
Cicloprolol, C-00332
▷Cicloprolol hydrochloride, *in* C-00332
Ciclosidomine, C-00333
▷Ciclosporin, *in* C-00638
▷Ciclotiazid, *see* C-00639
Ciclotizolam, C-00334
Ciclotropium(1+), C-00335
Ciclotropium bromide, *in* C-00335
Cicloxilic acid, C-00336
Cicloxolone, C-00337
Cicloxolone disodium, *in* C-00337
Cicortonide, C-00338
Cicrimin, *see* C-00641
▷Cicrotoic acid, *see* C-00605
Cicutin, *in* D-00083
▷Cidex, *see* P-00090
▷C.I. Direct Blue 53, *see* A-00532
C.I. Direct Red 28, *see* C-00541
Cidoxepin, *in* D-00594
Cidoxepin hydrochloride, *in* D-00594
Cifenline, *see* C-00322
Cifenline succinate, *in* C-00322
▷C.I. Food Blue 1, *in* I-00058
C.I. Food Blue 3, *see* S-00249
Cifostodine, *see* C-00656
Cigerol, *see* C-00607
Ciglitazone, C-00339
▷Cignolin, *see* D-00310
Ciheptolane, C-00340
Ciladopa, C-00341
Ciladopa hydrochloride, *in* C-00341
Cilastatin, C-00342
Cilastatin sodium, *in* C-00342
Cilazapril, *in* C-00343
Cilazaprilat, C-00343
Cilder, *in* C-00444
Ciliapterin, *in* B-00172
Cilobamine, C-00344
Cilobamine mesylate, *in* C-00344
Cilofungin, C-00345
Ciloprost, *see* I-00023
Cilostamide, C-00346
Cilostazol, C-00347
Cilotropin, *in* A-00008
Ciltoprazine, C-00348
Cimadon, *see* P-00260
▷Cimarin, *in* T-00478
Cimaterol, C-00349
▷Cimedone, *see* S-00093
Cimemoxin, *see* C-00616
Cimepanol, *see* C-00618
▷Cimetidine, C-00350
Cimetropium(1+), C-00351
Cimetropium bromide, *in* C-00351
CI Mordant Yellow S, *see* O-00041
▷Cimoxatone, C-00352
Cinametic acid, C-00353
Cinamolol, C-00354
Cinanserin, C-00355
▷Cinanserin hydrochloride, *in* C-00355
Cinaproxen, C-00356
▷Cinarcaf, *see* C-00643
▷Cinarina, *see* C-00643
▷C.I. Natural Orange 6, *see* H-00178
▷Cinchocaine, C-00357
▷Cinchocaine hydrochloride, *in* C-00357
(8α,9*R*)-Cinchonan-6′,9-diol, *see* C-00574
▷9*S*-Cinchonan-9-ol, *see* C-00358
Cinchonicine, *in* Q-00026
Cinchonifine, *in* C-00358
▷Cinchonine, C-00358
ψ-Cinchonine, *in* C-00358
▷Cinchophen, *see* P-00206
Cinchotine, *in* C-00358
Cinchotoxine, *in* Q-00026
Cindol, *see* C-00394
▷Cindomet, *see* C-00369
Cinecromen, C-00359
▷Cineole, C-00360
▷1,8-Cineole, *see* C-00360
▷Cinepadil, *in* C-00363
Cinepaxadil, C-00361
Cinepazet, *in* C-00362
Cinepazet maleate, *in* C-00362
Cinepazic acid, C-00362
Cinepazide, C-00363
▷Cinepazide maleate, JAN, *in* C-00363
▷Cineromycin B, *in* A-00099
Cinfenine, C-00364
Cinfenoac, C-00365
Cinflumide, C-00366
▷Cingestol, C-00367
Cinitapride, C-00368
▷Cinmetacin, C-00369
Cinnaloid, *in* R-00028
Cinnamaverine, C-00370
Cinnamedrine, C-00371
▷Cinnamonin, *see* A-00039
▷1-Cinnamoyl-5-methoxy-2-methyl-3-indoleacetic acid, *see* C-00369
1-Cinnamyl-4-diphenylmethylpiperazine, *see* C-00372
Cinnamylephedrine, *see* C-00371
α-[1-(Cinnamylmethylamino)ethyl]benzyl alcohol, *see* C-00371
Cinnamyl(methyl)(1-naphthylmethyl)amine, *see* N-00024
3-[2-[(Cinnamyl-1-piperazinyl)methyl]-1-benzimidazolyl]-1-(2-furyl)-1-propanone, *see* F-00276
3-[2-[(4-Cinnamyl-1-piperazinyl)methyl]-1-benzimidazolyl]-propiophenone, *see* C-00381
▷3-Cinnamyl-8-propionyl-3,8-diazabicyclo[3.2.1]octane, *see* A-00506
Cinnarizine clofibrate, *in* C-00372
Cinnarizine, C-00372
Cinnofuradione, C-00373
Cinnopentazone, *see* C-00383
▷Cinnopropazone, *see* A-00507
Cinnoxyphenisatin, *in* O-00160
▷Cinobac, *see* C-00377
▷Cinobactin, *see* C-00377
Cinoctramide, C-00374
▷Cinolazepam, C-00375

▷Cinopal, *see* B-00181
Cinoquidox, C-00376
▷Cinoxacin, C-00377
Cinoxate, C-00378
Cinoxolone, *in* G-00072
Cinoxopazide, C-00379
Cinperene, C-00380
Cinprazole, C-00381
Cinpropazide, C-00382
▷CinQuin, *in* Q-00027
Cinromide, *in* B-00314
Cintaverin, *in* D-00490
Cintazone, C-00383
▷Cintramide, *in* T-00480
▷Cintriamide, *in* T-00480
Cinuperone, C-00384
Ciodrin, *see* C-00571
Cipazoxapine, *see* S-00029
▷C.I. Pigment blue 63, *in* I-00058
▷CI Pigment White 6, *see* T-00326
Ciprafamide, C-00385
Cipralan, *in* C-00322
Ciprazafone, C-00386
▷Ciprazepam, *see* C-00645
Ciprefadol, C-00387
Ciprefadol succinate, *in* C-00387
Ciprocinonide, C-00388
Ciprodene, *see* C-00647
▷Ciprofibrate, C-00389
Ciprofloxacin, C-00390
Ciprofloxacin hydrochloride, *in* C-00390
▷Ciprol, *see* C-00389
Cipropride, C-00391
Ciproquazone, C-00392
▷Ciproquinate, *see* C-00650
Ciprostene, C-00393
Ciprostene calcium, *in* C-00393
▷Ciproximide, *see* C-00652
Ciradol, *see* C-00394
Ciramadol, C-00394
Ciramadol hydrochloride, *in* C-00394
Cirazoline, C-00395
▷Circladin, *see* B-00313
Circuletin, *see* K-00003
Circuline, *in* I-00042
▷Circupon, *in* A-00272
Cisapride, C-00396
▷Cisclomiphene, *in* C-00471
Cisconazole, C-00397
Cismadinone, C-00398
Cismadinone acetate, *in* C-00398
Cismethrin, *in* R-00031
Cisobitan, *in* H-00056
Cisordinol, *in* C-00481
▷Cisplatin, *in* D-00139
▷Cisplatyl, *in* D-00139
▷Cisticide, *see* P-00406
Cistinexine, C-00399
Cistoplex, *see* F-00121
Citalopram, C-00400
▷Citanest, *in* P-00432
▷Citarin (new form), *in* H-00166
Citatepine, C-00401
▷Citenamide, *in* D-00158
Citenazone, *in* F-00248
▷Citicoline, *see* C-00655
▷Citiolase, *see* T-00129
▷Citiolone, *see* T-00129
Citocard, *in* T-00332
▷Citostal, *see* L-00083
Citramide, *in* C-00402
Citresia, *see* M-00007
▷Citric acid, C-00402
▷Citrinin, C-00403
Citrohexamine, *in* H-00057
Citro-Mag, *see* M-00007
▷Citromycetin, C-00404
▷Citromycin, *in* C-00404
Citronema, *see* M-00007
▷Citrovorin, *see* P-00554
▷Citrovorum factor, *see* P-00554
Citrulline, C-00405
CK 0383, *see* V-00022
CK 0569, *see* I-00151
CK 1752, *see* S-00040
CL 45, *in* P-00182
CL 68, *in* C-00444
CL 1388*R*, *in* G-00100
CL 1565*A*, *see* F-00260
CL 1565*B*, *in* F-00260
CL 1565*T*, *in* F-00260
▷CL 2422, *see* C-00581
CL 639*C*, *see* D-00472
▷CL 8490, *see* M-00176
CL 911*C*, *in* D-00472
CL 912*C*, *in* D-00472
▷CL 11366, *see* P-00208
CL 115347, *see* V-00051
▷CL 12625, *see* P-00253
▷CL 13900, *see* P-00557
▷CL 14377, *see* M-00192
▷CL 16536, *in* P-00557
CL 203821, *in* A-00216
CL 206214, *in* B-00387
CL 206576, *see* S-00182
CL 206797, *see* C-00644
CL 216942, *in* B-00191
CL 217658, *see* I-00027
▷CL 22119, *see* D-00142
▷CL 22373, *see* M-00190
CL 22415, *see* D-00066
CL 227193, *see* P-00283
▷CL 232315, *in* M-00407
CL 24877, *see* A-00282
CL 251931, *see* C-00162
CL 25477, *see* A-00517
CL 26193, *see* D-00429
CL 263780, *in* C-00349
▷CL 27071, *in* D-00092
CL 36010, *see* Q-00021
▷CL 38023, *see* F-00015
▷CL 39808, *see* D-00417
CL 48156, *in* I-00035
▷CL 48401, *see* N-00190
▷CL 53415, *see* C-00652
▷CL 54131, *in* P-00284
CL 54998, *in* B-00275
CL 59112, *see* R-00074
▷CL 62362, *see* L-00106
CL 64976, *see* Z-00014
CL 65205, *see* B-00263
CL 65562, *see* T-00459
▷CL 67772, *see* A-00362
▷CL 71563, *in* L-00106
▷CL 82204, *see* B-00181
CL 83544, *see* B-00176
CL 84,633, *see* N-00148
CL 88893, *see* C-00412
CL 90748, *see* I-00038
Clafalix, *see* B-00277
Clafalix, *see* C-00104
Clafanone, *see* A-00311
▷Claforen, *in* C-00138
Clamidoxic acid, C-00406
▷Clamiren, *see* C-00440
Clamoxyl, *in* C-00407
Clamoxyquin, C-00407
Clamoxyquine, *see* C-00407
Clamoxyquin hydrochloride, *in* C-00407
Clanfenur, C-00408
▷Claniclor, *see* M-00372
▷Clanobutin, C-00409

Clantifen, *in* A-00337
Clanzol, *see* C-00414
▷Claral, *in* D-00270
Claraphos, *in* D-00568
Claresan, *in* C-00456
Clarithromycin, *in* E-00115
▷Clarmil, *see* M-00301
▷Clarphoril, *see* M-00301
▷Clarvisan, *in* P-00318
▷Clarvisan, *in* P-00319
▷Clarvisor, *in* P-00318
▷Clarvisor, *in* P-00319
Clast, *see* C-00414
▷Clavacin, *see* P-00043
▷Clavatin, *see* P-00043
▷Claversal, *see* A-00266
Clavidene, *see* L-00045
▷Claviformin, *see* P-00043
▷Claviton, *in* T-00454
▷Clavubactam, *see* C-00410
▷Clavulanate potassium, *in* C-00410
▷Clavulanic acid, C-00410
▷Clavulin, *in* C-00410
▷Clavumox, *in* C-00410
Clazepam, *see* I-00011
▷Clazolam, C-00411
Clazolimine, C-00412
Clazuril, C-00413
CLB 499, *in* P-00378
CL 1848C, *in* E-00264
Clebodian, *see* C-00414
Clebopride, C-00414
Cleboril, *see* C-00414
Clefamide, C-00415
▷Cleiton, *in* C-00548
Clemastine, C-00416
▷Clemastine fumarate, JAN, *in* C-00416
Clemeprol, C-00417
Clemizole, C-00418
Clemizole penicillin, *in* B-00126
Clenbuterol, C-00419
▷Clenicor, *see* M-00372
Clenizole hydrochloride, *in* C-00419
Clenpirin, *see* C-00420
Clenpyrin, C-00420
▷Cleocin, *see* C-00428
Cleofil, *in* D-00499
▷Cleregil, *in* D-00408
▷Clerocidin, C-00421
Cletoquine, C-00422
Clexane, *see* S-00278
Clexon, *see* C-00613
Clibucaine, C-00423
Clidafidine, C-00424
▷Clidanac, *see* C-00225
Clidinium(1+), C-00425
▷Clidinium bromide, *in* C-00425
▷Clift, *in* D-00319
Climazolam, C-00426
Climbazole, C-00427
Climiqualine, *see* C-00251
▷Clinadol, *in* A-00275
Clindamycin *B*, *in* C-00428
▷Clindamycin hydrochloride, *in* C-00428
▷Clindamycin, C-00428
Clindamycin palmitate hydrochloride, *in* C-00428
▷Clindamycin phosphate, *in* C-00428
Clinibolin, *in* H-00185
▷Clinicid, *in* M-00238
▷Clinimycin, *see* C-00428
▷Clinimycin, *see* O-00166
Clinium, *see* L-00045
▷Clinodilat, *see* B-00053
▷Clinofibrate, C-00429
Clinolamide, *in* O-00007
▷Clinoran, *see* T-00154
▷Clinoril, *see* S-00225
Clionasterol, *in* S-00151
▷Clioquinol, *see* C-00244
▷Clioxanide, C-00430
Cliprofen, C-00431
▷Cliradin, *see* K-00014
▷Cliradon, *see* K-00014
Clitoriacetal, C-00432
Clobamine mesylate, *in* C-00344
▷Clobazam, C-00433
Clobedolum, *see* C-00478
Clobenfurol, *see* C-00498
Clobenoside, *in* E-00175
Clobenzepam, C-00434
▷Clobenzorex, C-00435
Clobenztropine, C-00436
▷Clobesol, *in* C-00437
Clobetasol, C-00437
▷Clobetasol propionate, *in* C-00437
Clobetasone, *in* C-00437
▷Clobetasone butyrate, *in* C-00437
▷Clobutinol, C-00438
▷Clobutinol hydrochloride, JAN, *in* C-00438
Clobuzarit, C-00439
▷Clocanfamide, C-00440
▷Clocapramine, C-00441
▷Clocapramine dihydrochloride, JAN, *in* C-00441
▷Clocarpramine, *see* C-00441
Clociguanil, C-00442
Clocinizine, C-00443
Cloconazole, *see* C-00562
Clocortolone, C-00444
Clocortolone acetate, *in* C-00444
Clocortolone caproate, *in* C-00444
Clocortolone pivalate, *in* C-00444
Clocortolone trimethylacetate, *in* C-00444
Clocoumarol, C-00445
Clodacaine, C-00446
Clodanolene, C-00447
▷Clodantoin, *see* C-00199
▷Clodazon, C-00448
Clodazon hydrochloride, *in* C-00448
Cloderm, *in* C-00444
Clodoxopone, C-00449
Clodronate, *in* D-00194
Clodronic acid, *see* D-00194
Clofaminol, *in* H-00029
▷Clofazimine, C-00450
▷Clofedanol, *see* C-00191
Clofedanol hydrochloride, JAN, *in* C-00191
▷Clofekton, *in* C-00441
Clofenamic acid, *see* D-00188
▷Clofenamide, *in* C-00215
▷Clofenat, *see* C-00456
▷Clofenciclan, C-00451
Clofenetamine, C-00452
▷Clofenotane, *see* T-00432
Clofenoxyde, C-00453
▷Clofenpyride, *see* N-00097
▷Clofenvinfos, *see* C-00203
▷Cloferol, *see* T-00334
Clofeverine, C-00454
▷Clofexamide, C-00455
▷Clofezone, *in* C-00455
▷Clofezone, INN, *in* P-00180
Clofibrate, *in* C-00456
▷Clofibric acid, C-00456
▷Clofibride, *in* C-00456
Clofical, *in* C-00456
Clofilium(1+), C-00457
Clofilium phosphate, *in* C-00457
Cloflucarban, C-00458
Cloflumide, C-00459
Clofluonide, *see* L-00076
Clofluperol, C-00460
Clofoctol, C-00461

Cloforex, C-00462
Clofurac, *see* C-00224
Clogestone, C-00463
Clogestone acetate, *in* C-00463
Cloguanamil, C-00464
▷Clomacran, C-00465
▷Clomacran phosphate, *in* C-00465
Clomag, *in* C-00456
Clomegestone, C-00466
Clomegestone acetate, *in* C-00466
Clomestrone, C-00467
▷Clometacin, C-00468
Clometerone, *see* C-00469
Clometherone, C-00469
▷Clomethiazole, *see* C-00238
Clometocillin, C-00470
Clomifenoxide, *in* C-00471
Clominorex, *see* C-00263
▷Clomiphene, C-00471
▷Clomiphene citrate, *in* C-00471
▷Clomipramine, C-00472
▷Clomipramine hydrochloride, JAN, *in* C-00472
Clomocycline, C-00473
Clomoxir, C-00474
Clomoxir sodium, *in* C-00474
▷Clonazepam, C-00475
Clonazoline, C-00476
▷Clonex, *see* C-00475
▷Cloniacol, *see* N-00097
Clonidine, C-00477
▷Clonidine hydrochloride, *in* C-00477
Clonitazene, C-00478
▷Clonitralide, *in* N-00093
Clonitrate, *in* C-00278
▷Clonix, *see* C-00479
Clonixeril, *in* C-00479
▷Clonixin, C-00479
▷Clonopin, *see* C-00475
Clopamide, C-00480
▷Clopane, *in* A-00232
Clopenthixol, C-00481
Z-Clopenthixol, *in* C-00481
▷Cloperastine, C-00482
Cloperastine hydrochloride, JAN, *in* C-00482
Cloperidone, C-00483
Cloperidone hydrochloride, *in* C-00483
▷Clopiben, *see* C-00501
Clopidogrel, C-00484
▷Clopidol, *see* D-00187
Clopimozide, C-00485
▷Clopinerin, *in* C-00502
Clopipazan, C-00486
▷Clopipazan mesylate, *in* C-00486
Clopirac, C-00487
Clopiran, *see* C-00487
▷Clopixol, *in* C-00481
Clopixol injection, *in* C-00481
Cloponone, C-00488
Cloprane, *see* R-00085
Cloprednol, C-00489
▷Cloprostenol, C-00490
Cloprostenol sodium, *in* C-00490
Cloprothiazole, *see* C-00281
Cloquinate, *in* C-00284
Cloquinozine, C-00491
Cloracetadol, C-00492
Cloral betaine, *in* T-00433
▷Clorambucile, *see* C-00194
Cloranolol, C-00493
Clorased, *see* P-00096
▷Clorazepate dipotassium, *in* C-00494
Clorazepate monopotassium, *in* C-00494
Clorazepic acid, C-00494
▷Clorazolam, *see* T-00425
▷Clordion, *in* C-00208
▷Cloretate, *see* T-00435
▷Clorethate, *see* T-00435
▷Clorevan, *in* C-00294
Clorexolone, C-00495
Clorgiline, *see* C-00496
Clorgyline, C-00496
Cloricromen, C-00497
Cloridarol, C-00498
Clorindanic acid, *see* C-00243
▷Clorindione, *see* C-00264
▷Cloritines, *see* D-00179
Clormecaine, *in* A-00224
▷Clormezanone, *see* C-00210
▷Clorobiocin, *see* C-00221
▷Clorofene, *see* B-00109
▷Clorometazone, *see* C-00210
▷Cloronaftina, *see* B-00198
Cloroperone, C-00499
Cloroperone hydrochloride, *in* C-00499
▷Clorophene, *see* B-00109
Cloroqualone, C-00500
▷Clorotepine, C-00501
▷Clorotiazide, *see* C-00288
▷Clorotrisin, *see* C-00290
Clorpactin WCS, *in* O-00148
Clorpactin XCB, *see* O-00148
Clorprenaline, C-00502
▷Clorprenaline hydrochloride, *in* C-00502
▷Clorpropandriol, *see* B-00200
Clorsulon, C-00503
▷Clortalidone, *see* C-00302
Clortermine, *see* C-00271
▷Clortermine hydrochloride, *in* C-00271
▷Clortetrin, *in* D-00064
Closantel, C-00504
Closantel sodium, BAN, *in* C-00504
Closina, *see* A-00277
Closiramine, C-00505
Closiramine aceturate, *in* C-00505
▷Clositol, *see* T-00540
Clospirazine, *see* S-00114
Clostebol, C-00506
▷Clostebol acetate, *in* C-00506
Clostebol caproate, *in* C-00506
Clostebol propionate, *in* C-00506
▷Clotam, *see* T-00349
▷Clotepin, *see* C-00501
▷Clothiapine, C-00507
Clothixamide maleate, *in* C-00511
Clotiam, *see* D-00615
Clotiamine, *in* B-00025
▷Clotiapine, *see* C-00507
▷Clotiazepam, C-00508
Cloticasone, C-00509
Cloticasone propionate, *in* C-00509
Clotioxone, C-00510
Clotixamide, C-00511
▷Clotrimazole, C-00512
▷Clovoxamine, C-00513
Cloxacepride, C-00514
Cloxacillin, C-00515
Cloxacillin benzathine, *in* C-00515
▷Cloxacillin sodium, *in* C-00515
▷Cloxapen, *in* C-00515
Cloxathiepin, C-00516
▷Cloxazepin, *see* L-00106
▷Cloxazolam, C-00517
▷Cloxazolazepam, *see* C-00517
Cloxestradiol, C-00518
▷Cloxifenol, *see* T-00437
Cloximate, C-00519
▷Cloxiquine, *see* C-00249
Cloxotestosterone, *in* H-00111
Cloxotestosterone acetate, *in* H-00111
▷Cloxphendyl, *see* C-00520
▷Cloxypendyl, C-00520
▷Cloxyquin, *see* C-00249

▷Clozan, *see* C-00508
▷Clozapine, C-00521
▷Clozaril, *see* C-00521
Clozic, *see* C-00439
▷Cl-PID, *see* C-00264
Clumirol, *see* S-00266
▷CLY 503, *see* S-00074
▷Clysodrast, *in* B-00186
CM 6912, *see* E-00197
CM 7120, *see* E-00179
CM 7857, *see* P-00098
CM 9155, *see* D-00273
▷CM 9357, *see* S-00098
CM 29712, *see* D-00052
CM 30366, *in* M-00466
CM 31916, *see* C-00156
CM 40907, *see* D-00021
CM 57202, *see* T-00159
CM 57755, *in* R-00009
CM 57862, *see* R-00009
CM 57874, *in* R-00009
CM 6805a, *see* B-00412
CMT, *see* C-00112
▷CN 1115, *see* Q-00029
▷CN 5518, *in* N-00182
CN 10443, *see* L-00009
▷CN 15757, *in* A-00509
CN 16146, *in* T-00438
▷CN 36337, *see* C-00255
CN 38474, *see* A-00121
▷CN 55945, *in* N-00182
▷CN 59567, *see* C-00430
▷CN 14329-23*A*, *in* C-00603
CN 15575-23*A*, *in* T-00532
CN 17900-2*B*, *see* C-00407
▷CN 20172-3, *in* B-00082
CN 34799-5*A*, *in* P-00173
CNCC, *in* C-00222
Cnidin, *see* I-00189
▷CNU-ethanol, *see* C-00237
CO 61, *in* H-00210
CO 063, *see* E-00120
CO 1177, *see* N-00077
▷Co I, *see* C-00530
COA, *see* C-00291
CoA, *see* C-00528
Coactabs, *see* P-00366
▷Coactin, *see* M-00042
Coalip, *see* C-00528
Cobadex, *in* D-00390
▷Cobaltous chloride, C-00522
Cobamamide, *see* C-00529
▷Coban, *in* M-00428
Cobefrin, *in* A-00249
▷Coben, *in* P-00239
▷Coben P, *in* P-00239
Cobinamide dihydroxide, dihydrogen phosphate (ester), mono-(inner salt), 3′-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1*H*-benzimidazole, *see* V-00061
▷Cobrentin, *see* B-00104
Cocaine, C-00523
ψ-Cocaine, *in* C-00523
▷Cocaine hydrochloride, *in* C-00523
▷Cocarboxylase, *see* T-00175
▷Coco-Diazine, *see* S-00237
Codactide, C-00524
▷Codecarboxylase, *see* P-00579
▷Codehydrase I, *see* C-00530
▷Codehydrogenase I, *see* C-00530
Codéigène, *in* C-00525
▷Codeine, C-00525
Codeine aminoxyde, *in* C-00525
▷Codeine nicotinate, *see* N-00095
Codeine N-oxide, *in* C-00525
▷Codeine polistirex, USAN, *in* C-00525
Codeine sulfate, *in* C-00525
Codeinfos, *in* C-00525
Codeinone, C-00526
▷Codeinone methyl enol ether, *see* T-00162
Codeisan, *in* C-00525
Codelcortrone TBA, *in* P-00412
Codeophen, *in* C-00525
▷Coderm, *see* A-00177
▷Codethyline, *in* M-00449
▷Codicept, *see* C-00525
Codlin, *in* C-00525
Codopectyl, *in* D-00403
Codorphone, *see* C-00542
Codossima, *see* C-00527
Codoxime, C-00527
Codroxomin, *see* V-00061
Coenzyme *A*, C-00528
▷Coenzyme *F*, *see* P-00554
Coenzyme *M*, *see* D-00550
Coenzyme *M*, *see* M-00116
Coenzyme *Q*, C-00531
Coenzyme *R*, *see* B-00173
Coenzyme Q_6, *in* C-00531
Coenzyme Q_7, *in* C-00531
Coenzyme Q_8, *in* C-00531
Coenzyme Q_9, *in* C-00531
▷Coenzyme Q_{10}, *in* C-00531
▷Coenzyme I, C-00530
Coenzyme B_{12}, C-00529
Coerulomycin, *in* C-00006
▷CoF, *see* P-00554
▷Coffeine, *see* C-00010
Cofisatin, *in* D-00049
▷Coformycin, C-00532
Coforta, *see* B-00427
Cofrel, *in* B-00061
Cogazocine, C-00533
▷Cogentin, *see* B-00104
▷Cogentinol, *see* B-00104
▷Cogesic, *in* P-00459
▷Cogilor orange 211.10, *see* E-00118
▷Cogilor orange 312.42, *see* E-00118
Colahepat, *in* A-00275
▷Colalin, *in* T-00475
▷Colamine, *see* A-00253
▷Colaspase, *see* A-00458
▷Colcamyl, *see* T-00199
▷Colcemid, *see* D-00062
▷Colchamine, *see* D-00062
▷Colchiceine methyl ether, *see* C-00534
▷Colchicine, C-00534
▷Coldip, *in* H-00191
▷Coldip, *see* N-00169
▷Colebrine, *see* I-00094
▷Colecalciferol, *see* V-00062
Coledrin-Compresse, *in* D-00049
▷Coleflux, *see* P-00310
Coleonol, *in* E-00090
Coleonol B, *in* E-00090
Coleonol C, *in* E-00090
Colepan, *in* E-00193
▷Colepur, *see* D-00167
Colesterel, *see* C-00467
▷Colesterinex, *see* P-00568
Colestid, *in* D-00245
Colestipol, *in* D-00245
Colestipol hydrochloride, *in* D-00245
Colestolone, *in* H-00121
▷Colestyramine, *see* C-00307
▷Colextran, *in* D-00113
Colfenamate, C-00535
Colforsin, *in* E-00090
▷Colimycin, *see* C-00536
▷Colistatin, *see* S-00172
▷Colistimethate sodium, *in* C-00536
▷Colistin, C-00536
Colistin *A*, *in* C-00536

▷Colistin A_H, *in* C-00536
▷Colistin A_L, *in* C-00536
Colistin *B*, *in* C-00536
▷Colistin B_H, *in* C-00536
▷Colistin B_L, *in* C-00536
Colistin *C*, *in* C-00536
▷Colistinat, *in* C-00536
Colistin Pro-*A*, *in* C-00536
Colistin Pro-*B*, *in* C-00536
Colistin Pro-*C*, *in* C-00536
▷Colite, *see* C-00655
Collatex, *see* N-00206
Collettiside *I*, *in* S-00129
Collubiazol, *see* S-00187
▷Collunosol, *see* T-00441
▷Collunovar, *see* N-00066
Collupressine, *see* F-00029
▷Collyrium Eye Drops, *in* B-00254
Colmenthol, *see* M-00090
▷Colofac, *in* M-00033
▷Colonaid, *in* T-00554
Colpotrofin, *see* P-00477
Colpotrophine, *see* P-00477
▷Colpovis, *in* O-00030
▷Colpovister, *in* O-00030
▷Colpro, *see* M-00057
▷Colprone, *see* M-00057
▷Colsipan, *see* F-00175
Colterol, C-00537
Colterol 3,4-di-*p*-toluate, *see* B-00241
Colterol mesylate, *in* C-00537
▷Coltramyl, *see* T-00199
▷Coltrex, *see* T-00199
Colubrinol, *in* M-00026
Colubrinol acetate, *in* M-00026
Columbianadin, C-00538
▷Colymycin, *see* C-00536
▷Combantrin, *in* P-00558
▷Combec, *see* U-00002
▷Combid, *in* P-00450
▷ComboPen, *in* P-00395
▷Comelian, *in* D-00370
▷Cometamin, *see* C-00640
Comoton, *see* C-00048
▷Compacsul, *see* T-00479
Compactin, C-00539
Comparison, *in* D-00326
▷Competil, *in* C-00456
▷Complamin, *in* X-00003
▷Complexone II, *in* E-00186
▷Complexone III, *see* E-00186
Compocillin, *in* B-00126
Compound 7173, *see* C-00166
▷Compound 3-120, *in* A-00332
▷Compound 08958, *in* C-00641
Compound 12038, *in* M-00034
▷Compound 41-123, *see* C-00411
▷Compound 42339, *see* A-00050
Compound 67-255, *see* C-00167
Compound 673-082, *in* D-00415
▷Compound Q, *see* T-00444
Comycin, *in* T-00109
(Cona-4,6-dienin-3β-yl)ethyldimethylammonium, *see* S-00146
▷Conadil, *see* S-00263
Conceptrol, *see* N-00206
▷Conchinine, *see* Q-00027
▷Concilium, *see* B-00060
Concor, *in* B-00233
▷Concordin, *in* P-00544
▷Conducton, *see* C-00038
▷Conessine, C-00540
▷Confielle, *in* B-00147
▷Conflictan, *see* O-00076
Congasin, *in* B-00189
Congo Red, C-00541
▷7-Con-*O*-methylnogarol, *see* M-00092
▷7-Con-Omen, *see* M-00092
Conorfone, C-00542
Conorphone hydrochloride, *in* C-00542
▷Conotrane, *see* H-00094
▷Conova, *in* E-00227
▷Conova, *in* E-00231
▷Conquinine, *see* Q-00027
▷Conraxin, *in* I-00095
▷Conray FL, *in* I-00140
Consilinon, *see* B-00324
Contact factor, *see* F-00006
Contamex, *see* K-00012
Contaren, *see* C-00027
▷Contracept, *in* H-00191
▷Contralergial, *see* D-00412
Contramine, *in* B-00275
▷Contramine, *in* D-00244
▷Contrapar, *see* G-00050
▷Contra-stigmin, *in* P-00395
▷Contrathion, *in* P-00395
▷Contratuss, *in* P-00512
▷Contravul, *see* S-00263
▷Contrazole, *see* A-00225
▷Contristamine, *in* C-00294
▷Contrix '28', *in* I-00140
▷Control-Om, *see* M-00095
▷Convallaton, *in* T-00478
▷Convallatoxol, *in* T-00478
▷Convallopan, *in* T-00478
▷Convallotoxin, *in* T-00478
▷Convalpur, *in* T-00478
▷Convapur, *in* T-00478
Convenil, *in* B-00399
▷Convertal, *see* O-00098
▷Coomassie blue, *in* A-00379
Co-ord, *see* A-00102
Copavin, *in* C-00525
▷Copavin, *in* P-00019
▷Copholco, *see* P-00212
Copropanol, *in* P-00514
Coprostanol, *in* C-00305
Coprosterol, *in* C-00305
Coptin, *in* T-00343
Coptiside II, *in* P-00082
Coptiside I, *in* D-00329
▷Co-ral, *see* C-00555
Coralgil, *in* B-00220
▷Coranormol, *see* T-00133
▷Coraton, *see* D-00254
▷Corazole, *see* T-00133
Corbadrine, *in* A-00249
Corbasil, *in* A-00249
▷Corchorin, *in* T-00478
▷Corchoroside A, *in* T-00478
Cordan, *in* F-00044
▷Cordanum, *see* T-00008
Cordarone, *in* A-00342
▷Cordemcura, *see* A-00372
▷Cordiamin, *see* D-00254
Cordilox, *in* V-00019
▷Cordioxil, *see* D-00275
▷Cordium, *in* B-00134
Cordoin, *in* D-00347
▷Cordoval, *in* T-00474
Cordoxene, *in* F-00034
▷Cordran, *see* F-00215
▷Cordycepic acid, *in* M-00018
▷Cordycepin, C-00543
▷9-Cordyceposidoadenosine, *see* C-00543
▷Corelborin, *in* T-00477
Coremax, *in* I-00042
▷Coreminal, *see* F-00225
▷Coretal, *see* O-00145
Corflazine, *see* L-00045
Corftaline, *in* H-00095
▷Corgard, *see* N-00006

▷Corglykon, *in* T-00478
Coriban, *see* D-00141
▷Coril, *see* E-00019
Corindolan, *in* M-00097
▷Corintol, *see* B-00022
▷Cormedigin, *in* S-00106
▷Cormelian, *in* D-00370
Cormetasone, *see* C-00544
Cormethasone, C-00544
Cormethasone acetate, *in* C-00544
Cornecaine, *in* H-00119
▷Cornocentin, *in* E-00104
Corodenin, *in* E-00171
Coroloside, *in* D-00274
Coronplat, *in* M-00052
Corophylline, *in* H-00029
▷Corosanin, *see* E-00019
▷Corpax, *see* P-00423
▷Corphos, *in* C-00548
▷Cortadin, *in* C-00548
▷Cortazac, *in* C-00548
Cortef fluid, *in* C-00548
Cortenil-Depot, *in* H-00203
▷Cortexolone, *in* D-00349
▷Cortexon, *see* H-00203
▷Cortexone, *see* H-00203
▷Corthormon, *see* H-00203
▷Corti 9, *see* F-00147
Corticoderm, *in* F-00207
Cortico LG, *in* B-00141
Corticoliberin, C-00545
▷Corticormon, *see* H-00203
▷Corticosterone, C-00546
▷Corticotrophin, C-00547
▷Corticotropin, *see* C-00547
▷$\alpha^{1\text{-}24}$ Corticotropin, *see* T-00108
▷$\alpha^{1\text{-}39}$-Corticotropin (human), *see* C-00547
Corticotropin-releasing factor, *see* C-00545
▷Corticotropin-zinc hydroxide, INN, *in* C-00547
Cortidene soluble, *in* P-00025
Cortilet, *see* F-00186
▷Cortiphate inj., *in* C-00548
▷Cortisol, C-00548
▷Cortisol acetate, *in* C-00548
Cortisol 21-ester with *N,N*-diethylglycine, *in* C-00548
Cortisol valerate, *in* C-00548
▷Cortisone, C-00549
▷Cortisone acetate, *in* C-00549
Cortisuzol, C-00550
Cortivazol, C-00551
Cortobenzolone, *in* B-00141
▷Cortocin *F*, *see* F-00246
▷Cortodoxone, *in* D-00349
Cortofludan, *in* T-00506
Cortomas, *in* P-00412
▷Cortrophin *S*, *see* T-00108
▷Cortrosyn, *see* T-00108
▷Cortussin, *see* G-00095
▷Corvasal, *see* M-00425
▷Corvaton, *see* M-00425
▷Corvel-Tylocine, *see* T-00578
Corvinan, *see* P-00472
▷Corvotone, *see* D-00254
Coryfin, *see* M-00090
▷Corymbin, *see* Y-00002
▷Corynine, *see* Y-00002
Coryphamin, *see* D-00141
▷Corzepin, *in* P-00120
Cosaldon, *in* T-00166
▷Cosmegen, *see* A-00057
Cosmin, *in* T-00296
▷Cosmogen, *see* A-00057
▷Cospanon, *see* T-00479
▷Cosyntropin, *see* T-00108
Cotarnine, C-00552
Cotazym, *see* P-00011
▷Cotetroxazine, *in* T-00158
▷Cothera, *in* D-00397
Cothromboplastin, *see* F-00002
Cotinine, C-00553
Cotinine fumarate, *in* C-00553
Cotrane, *see* D-00397
▷Cotrimoxazole, *in* S-00244
▷Cotrimoxazole, *in* T-00501
Cotriptyline, C-00554
▷Coumadin, *in* W-00001
▷Coumafos, *see* C-00555
▷Coumamycin, *see* C-00557
▷Coumaphos, C-00555
▷Coumarin 4, *see* H-00156
Coumazoline, C-00556
▷Coumermycin, *see* C-00557
▷Coumermycin A_1, C-00557
▷Coumermycin sodium, USAN, *in* C-00557
Coumestrin, *in* C-00558
▷Coumestrol, C-00558
Coumetarol, *see* C-00573
Covalan, *in* F-00237
▷Covatine, *in* C-00033
▷Covatix, *in* C-00033
Coversyl, *in* P-00123
▷Covidarabine, *see* P-00105
▷Coxigon, *see* B-00059
▷Coxistac, *see* S-00017
▷Coxytrol, *see* C-00650
▷Coyden 25, *see* D-00187
▷Cozymase, *see* C-00530
CP 3*H*, *see* X-00013
CP-73, *in* C-00242
▷CP 10188, *in* A-00226
▷CP 1044 *CG*24, *see* A-00103
CP 13608, *see* T-00098
CP 15464, *see* C-00077
▷CP 15973, *see* S-00176
▷CP 16171, *see* P-00351
▷CP 18524, *in* T-00252
CP-20,961, *see* A-00488
CP 22341, *see* T-00063
CP 22665, *see* B-00229
CP 25673, *see* T-00247
CP 27634, *see* G-00031
CP 32387, *see* P-00347
▷CP 34089, *see* S-00261
CP 36584, *see* F-00232
CP 45634, *see* S-00104
CP 45899, *in* P-00065
CP 47904, *in* P-00065
CP 49952, *see* S-00262
CP 62993, *see* A-00528
CP 65703, *see* A-00370
CP 66248, *see* T-00068
CP 10303-8, *in* Q-00033
CP 11332-1, *in* Q-00014
▷CP 12009-18, *in* M-00438
▷CP 12252-1, *see* T-00213
CP 12521-1, *in* P-00312
CP 14185-1, *in* H-00089
▷CP 14368-1, *in* L-00079
CP 14445-16, *in* O-00087
C 15003P-1, *in* M-00027
C 15003P-2, *in* M-00027
▷C 15003P-3, *in* M-00027
C 15003P-3′, *in* M-00027
C 15003P-4, *in* M-00027
▷CP 15639-2, *in* C-00045
CP 19106-1, *in* T-00490
▷CP 24314-1, *in* P-00316
CP 24314-14, *in* P-00316
CP 24441-1, *in* T-00021
CP 44001-1, *in* N-00038
CP 48867-9, *in* R-00064
CP 50556-1, *in* N-00038

CP 51974-01, *in* S-00052
CP 52640-2, *in* C-00136
CP 57361-01, *in* Z-00004
CP 172 AP, *see* C-00487
▷CPBU 7, *see* G-00068
C 15003 PHM-1, *in* M-00027
C 15003 PHM-2, *in* M-00027
C 15003 PHM-3, *in* M-00027
C 15003 PHM-4, *in* M-00027
C 15003 P-4-βHY, *in* M-00027
C 15003 P-4γHY, *in* M-00027
C 15003 PND-4-βHY, *in* M-00027
CP 1552S, *see* P-00106
CP 804 S, *see* T-00248
CQ 32084, *see* E-00243
CQ 32-085, *in* M-00140
C 15003 QND-O, *in* M-00027
CR 1392, *see* T-00376
CR 1409, *see* L-00096
CR 1505, *see* L-00107
▷CR 604, *in* P-00467
CR 605, *see* T-00323
▷CR 662, *see* T-00311
CR 816, *see* S-00060
CR 898, *in* A-00163
▷Crapinon, *in* P-00290
▷Crasnitin, *see* A-00458
▷Craviten, *in* B-00409
Creatergyl, *in* F-00255
▷Creatinolfosfate, C-00559
▷Cremodiazine, *see* S-00237
Crescormon, *see* H-00090
▷*o*-Cresol-6-carboxylic acid, *see* H-00155
Cresotamide, *in* H-00155
2,3-Cresotamide, *in* H-00155
▷2,3-Cresotic acid, *see* H-00155
▷*o*-Cresotic acid, *see* H-00155
▷*o*-Cresotinic acid, *see* H-00155
CRF, *see* C-00545
CRH, *see* C-00545
Crilin, *in* P-00091
Crinolol, *see* P-00001
▷Crisantaspase, *see* A-00458
Criseocil, *see* P-00068
Crismel, *in* D-00192
Crisnatol, C-00560
Crispin, *in* D-00416
▷Cristacef, *in* C-00170
▷Cristal, *see* G-00064
Cristatic acid, C-00561
▷Cristovin, *see* V-00037
▷Critifib, *in* B-00271
CRL 40028, *see* A-00074
CRL 40476, *see* M-00417
CRL 40827, *in* F-00115
CRL 40996, *in* F-00115
CRL 41034, *in* P-00118
CRMI 81968*A*8, *in* M-00058
▷Croceomycin, *see* R-00030
Croconazole, C-00562
Crodimyl, *see* M-00231
Cromakalim, C-00563
Cromitrile, C-00564
Cromitrile sodium, *in* C-00564
Cromoglicic acid, *see* C-00565
Cromoglycic acid, C-00565
▷Cromolyn sodium, *in* C-00565
Cromonalgina, *see* M-00231
Cromo-Sulfol, *see* S-00009
▷Cronolone, *in* F-00150
Cropropamide, C-00566
▷Crotamiton, C-00567
Crotepoxide, C-00568
Crotetamide, *see* C-00569
Crotethamide, C-00569
Crotoniazide, C-00570
Crotoxyfos, *see* C-00571
Crotoxyphos, C-00571
Crotoylidenisoniazid, *see* C-00570
▷Cruex, *in* U-00008
Cruex, *in* U-00008
▷Crufomate, C-00572
Crylene, *in* P-00091
▷Cryofluorane, *see* D-00202
▷Cryogenine, *see* P-00207
Cryptograndoside A, *in* T-00474
Cryptograndoside B, *in* T-00474
Cryptolin, *in* L-00116
▷Crystal violet, *in* B-00209
▷Crystodigin, *in* D-00275
CS-87, *see* A-00521
▷CS 1170, *see* C-00132
CS 280, *see* S-00066
▷CS 300, *see* O-00098
▷CS-359, *see* B-00343
▷CS 370, *see* C-00517
▷CS 386, *see* M-00350
▷CS-430, *see* H-00020
CS 439, *see* N-00151
CS 500, *see* C-00539
CS 514, *in* P-00403
CS 600, *in* L-00108
CS 611, *see* B-00355
CS 684, *in* P-00373
CS 807, *in* C-00145
▷CSAG 144, *in* M-00033
CTR 6110, *see* N-00176
▷Cucoline, *see* S-00079
Cucurbitine, *see* A-00329
▷Cuemid, *see* C-00307
▷Cujec, *in* B-00223
Cumertilin, *in* M-00123
Cumetharol, C-00573
Cumethoxan, *see* C-00573
Cumopyran, *see* C-00599
Cumopyrin, *see* C-00599
▷Cumostrol, *see* C-00558
Cumotocopherol, *see* T-00336
▷Cupral, *in* D-00244
Cupreine, C-00574
▷Cuprelon, *in* A-00127
▷Cupreol, *in* S-00151
▷Cupric acetate, C-00575
▷Cupric sulfate, C-00576
Cuprid, *in* T-00457
Cuprimine, *see* P-00064
▷Cuprimyl, *in* B-00223
Cuprimyxin, C-00577
▷Cuprion, *in* A-00127
Cupron, *in* B-00093
▷Cuproxoline, *in* B-00223
▷Cupvalene, *in* A-00127
▷*C*-Curarine II, *see* C-00016
▷Curatin, *in* D-00594
Curatrem, *see* C-00503
▷Curcumoid, *see* B-00218
▷Curimon, *see* C-00199
▷Cur-men, *see* M-00164
Cutanit, *see* F-00138
Cutepin, *see* H-00162
Cuterpès, *see* I-00001
▷Cutisterol, *see* F-00246
▷Cuvalit, *in* L-00124
CV-2619, *see* I-00017
CV 3317, *in* D-00051
CV 4093, *in* M-00017
CV 4151, *in* P-00205
CV 57533, *see* B-00180
CV 58903, *see* X-00008
Cvaterone, *in* B-00420
▷CX 59, *see* D-00411
▷CY 39, *in* D-00411

CY 115, *in* H-00072
CY 168*E*, *in* A-00259
▷CyA, *in* C-00638
▷Cyacetacide, *see* C-00580
▷Cyacetazide, *see* C-00580
▷Cyadox, *see* C-00317
▷Cyamemazine, C-00578
▷Cyamepromazine, *see* C-00578
▷Cyanamide, C-00579
Cyanidin 3-rutinoside, *see* K-00009
Cyaninoside, *see* K-00009
▷Cyanoacetic acid hydrazide, *see* C-00580
▷Cyanoacetic acid (2-quinoxalinylmethylene)hydrazide *N,N'*-dioxide, *see* C-00317
▷Cyanoacetohydrazide, C-00580
2-Cyanoanisole, *in* M-00196
▷2-(2-Cyanoaziridinyl)-2-(2-carbamoyl-1-aziridinyl)propane, *see* A-00524
▷1-[1-(2-Cyano-1-aziridinyl)-1-methylethyl]-2-aziridinecarboxamide, *see* A-00524
4-Cyanobenzenesulfonyl chloride, *in* S-00217
▷*N*-Cyanobenzylamphetamine, *see* A-00183
2-Cyanochromone, *in* O-00125
▷Cyanocobalamin, *see* V-00059
Cyanocycline *A*, *see* C-00583
Cyanocycline *F*, *in* C-00583
▷*N''*-Cyano-*N*-[2-[[[2-[(diaminomethylene)amino]-4-thiazolyl]-methyl]thio]ethyl]-*N'*-methylguanidine, *see* T-00305
5-Cyano-5*H*-dibenzo[*a,d*]cycloheptene, *in* D-00158
▷2-Cyano-10-(3-dimethylamino-2-methylpropyl)phenothiazine, *see* C-00578
3-Cyano-5-dimethylamino-3-phenyl-2-methylhexane, *see* I-00177
3-Cyano-5-(3-dimethylaminopropyl)-10,11-dihydro-5*H*-dibenz[*b,f*]azepine, *see* C-00320
4-Cyanodimethylaniline, *in* D-00405
▷*N*-Cyano-*N'*-(1,1-dimethylpropyl)guanidine, C-00581
▷1-Cyano-3,5-dinitrobenzene, *in* D-00468
2-Cyano-3,3-diphenylacrylic acid, *see* C-00582
▷Cyanodiphenylmethane, *in* D-00488
4-[[2-(5-Cyano-5,5-diphenylpentyl)dimethylammonio]ethyl]-4-methylmorpholinium, *see* P-00076
2-Cyano-3,3-diphenyl-2-propenoic acid, C-00582
▷1'-(3-Cyano-3,3-diphenylpropyl)[1,4'-bipiperidine]-4'-carboxamide, *see* P-00337
1-(3-Cyano-3,3-diphenylpropyl)-4-phenyl-4-piperidinecarboxylic acid, *see* D-00265
▷1-[1-(3-Cyano-3,3-diphenylpropyl)-4-piperidinyl]-1,3-dihydro-3-(1-oxopropyl)-2*H*-benzimidazol-2-one, *see* B-00149
▷1-[1-(3-Cyano-3,3-diphenylpropyl)-4-piperidyl]-3-propionyl-2-benzimidazolinone, *see* B-00149
5-Cyano-6,9-epoxy-11,15-dihydroxy-16-methylprosta-5,13-dien-1-oic acid, *see* N-00140
▷1-Cyanoethanol, *in* H-00207
7-[[[(2-Cyanoethenyl)thio]acetyl]amino]-3-[[(1-methyl-1*H*-tetrazol-5-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]-oct-2-ene-2-carboxylic acid, *see* C-00128
N-(2-Cyanoethyl)amphetamine, *see* F-00073
N-(2-Cyanoethyl)-3-methyl-2-quinoxalinecarboxamide 1,4-dioxide, *see* C-00376
5-Cyano-*N*-[2-[4-(4-fluorobenzoyl)-1-piperidinyl]ethyl]-2-methoxybenzamide, *see* P-00428
α-Cyano-4-fluoro-3-phenoxybenzyl-3-(β,4-dichlorostyryl)-2,2-dimethylcyclopropane carboxylate, *see* F-00158
α-Cyano-4-fluoro-3-phenoxybenzyl-3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, *see* C-00642
Cyano[4-(fluoro-3-phenoxyphenyl)]methyl 3-[2-chloro-2-(4-chlorophenyl)ethenyl]-2,2-dimethylcyclopropanecarboxylate, *see* F-00158
8-[4-Cyano-4-(4-fluorophenyl)cyclohexyl]-1-(4-fluorophenyl)-4-oxo-1,3,8-triazaspiro[4.5]decane-3-acetamide, *see* I-00013
1-[4-Cyano-4-(4-fluorophenyl)cyclohexyl]-3-methyl-4-phenyl-4-piperidinecarboxylic acid, *see* C-00001
▷1-Cyanoheptane, *in* O-00014
4-Cyanoheptane, *in* P-00516
δ-Cyano-3,3*a*,4,5,6,6*a*-hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1-octenyl)-2*H*-cyclopenta[*b*]furan-$\Delta^{2,\delta}$-valeric acid, *see* N-00140
▷2-Cyano-10-[3-(4-hydroxypiperidino)propyl]phenothiazine, *see* P-00121
3-Cyano-2-hydroxy-*N,N,N*-trimethylpropanaminium, *in* C-00084
▷4-Cyano-2-iodo-6-nitrophenol, *see* H-00142
1-Cyano-2-methoxybenzene, *in* M-00196
▷1-Cyano-3-methylbenzene, *in* M-00230
5-Cyano-2-methyl[3,4'-bipyridine]-6(1*H*)-one, *see* M-00378
1-Cyano-2-methyl-3,5-dinitrobenzene, *in* M-00246
α-Cyano-6-methylergoline-8-propanamide, *see* C-00319
N-Cyano-*N'*-[2-[[(5-methyl-1*H*-imidazol-4-yl)methyl]thio]-ethyl]-*N''*-2-propynylguanidine, *see* E-00237
▷17α-(Cyanomethyl)-13β-methyl-17β-hydroxygona-4,9(10)-dien-3-one, *see* D-00224
▷*N*-Cyano-*N'*-methyl-*N''*-[2-[[(5-methyl-1*H*-imidazol-4-yl)-methyl]thio]ethyl]guanidine, *see* C-00350
α-Cyano-1-methyl-β-oxo-*N*-phenyl-1*H*-pyrrole-2-propanamide, *see* P-00439
2-Cyano-6-methylphenol, *in* H-00155
5-Cyano-16-methylprostacyclin, *see* N-00140
N-Cyano-*N'*-methyl-*N''*-[4-(1,4,5,6-tetrahydro-4-methyl-6-oxo-3-pyridazinyl)phenyl]guanidine, *see* S-00067
Cyanonaphthyridinomycin, C-00583
Cyanoneocobalamin, *in* V-00059
N-(5-Cyano-4-oxo-1(4*H*)-pyrimidinyl)acetamide, *see* C-00321
▷1-Cyano-3-*tert*-pentylguanidine, *see* C-00581
2-Cyanophenol, *in* H-00112
▷4-Cyanophenol, *in* H-00113
N-[2-[[3-(2-Cyanophenoxy)-2-hydroxypropyl]amino]ethyl]-4-hydroxybenzeneacetamide, *see* E-00071
N-[2-(3-Cyanophenoxy-2-hydroxypropylamino)ethyl]-2-(4-hydroxyphenyl)acetamide, *see* E-00071
Cyano(3-phenoxyphenyl)methyl 3,3-dimethylspiro[cyclopropane-1,1'-[1*H*]indene]-2-carboxylate, *see* C-00644
α-Cyano-β-phenylcinnamic acid, *see* C-00582
4-Cyano-2-phenylquinoline, *in* P-00206
▷Cyanophenymethyl β-D-glucopyranosiduronic acid, *see* L-00006
3-Cyano-1-propanol, *in* H-00118
Cyanopyrazine, *in* P-00560
3-Cyanopyridine, *in* P-00571
▷*N*-Cyano-*N'*-4-pyridinyl-*N''*-(1,2,2-trimethylpropyl)guanidine, *see* P-00264
7-Cyanoquinoline, *in* Q-00030
5-Cyano-2-thiophenecarboxaldehyde, *see* F-00248
▷*m*-Cyanotoluene, *in* M-00230
3-Cyano-2,4,6-triiodoaniline, *in* A-00340
▷Cyanuric acid, *see* T-00423
▷Cyasorb, *in* T-00472
Cyasorb 5411, *see* O-00027
Cyasorb UV 284, *see* B-00098
Cyasorb UV 531, *see* O-00004
▷Cyasorb UV 9 (obsol.), *in* D-00318
▷Cyasterone, C-00584
▷Cybis, *see* N-00029
▷Cybufen, *see* B-00181
▷Cyclacillin, C-00585
▷Cyclaine, *in* A-00318
▷Cyclamate, *see* C-00623
▷Cyclamic acid, *see* C-00623
Cyclamide, *see* P-00576
▷Cyclandelate, C-00586
Cyclandelate nicotinate, *see* M-00362
Cyclarbamate, C-00587
Cyclazenin, *see* G-00099
Cyclazocine, C-00588
Cyclazodone, C-00589
Cycleadrine, *in* F-00017
Cycleanine, C-00590
Cycleanine N²-oxide, *in* C-00590

Cycletanide, *see* C-00327
Cyclexanone, *see* C-00628
Cyclexyrate, *in* B-00179
▷Cyclic AMP, C-00591
Cyclic 2′,3′-(hydrogen phosphate)cytidine, *see* C-00656
Cyclic(hydroxymethyl)ethylene 3-acetamido-4-hydroxydithiobenzenearsonoate, *see* A-00451
Cyclic(*N*-methyl-L-alanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-phenylalanyl), C-00592
Cyclic methylene (4-chloro-*o*-tolyl)dithioimidocarbonate, *see* N-00148
▷Cyclic 2-methyl-2-propyltrimethylene *p*-tolueneboronate, *see* M-00301
Cyclindole, *see* D-00422
Cycliramine, C-00593
Cycliramine maleate, *in* C-00593
Cycliton, *see* D-00243
Cyclizidine, C-00594
▷Cyclizine, C-00595
▷Cyclizine hydrochloride, *in* C-00595
Cyclizine lactate, *in* C-00595
▷Cycloadiphenine, *see* D-00606
▷Cyclobarbital, *see* C-00596
▷Cyclobarbitone, C-00596
Cyclobendazole, *see* C-00328
▷Cyclobenzaprine, C-00597
▷Cyclobenzaprine hydrochloride, *in* C-00597
[1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum, C-00598
Cyclobutoic acid, *see* C-00610
Cyclobutonium, *see* T-00562
4-[2-(Cyclobutylamino)-1-hydroxyethyl]-1,2-benzenediol, *see* N-00210
α-[(Cyclobutylamino)methyl]-3,4-dihydroxybenzyl alcohol, *see* N-00210
2-Cyclobutylmethyl-9,9-dimethyl-5-ethyl-2′-hydroxy-6,7-benzomorphan, *see* C-00533
17-(Cyclobutylmethyl)-4,5α-epoxymorphinan-3,6α,14-triol, *see* N-00028
3-(Cyclobutylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol, *see* C-00533
17-(Cyclobutylmethyl)-8-methyl-6-methylenemorphinan-3-ol, *see* X-00019
17-(Cyclobutylmethyl)morphinan-3,14-diol, *see* B-00417
N-(Cyclobutylmethyl)scopolamine, *see* C-00351
N-Cyclobutylnoradrenaline, *see* N-00210
▷Cyclobutyrol, *see* E-00193
▷Cyclocaine, *in* A-00216
▷Cyclocaine, *see* C-00625
▷Cyclocarbothiamine, *see* C-00640
▷Cyclocort, *see* A-00177
Cyclocoumarol, C-00599
Cyclocumarol, *see* C-00599
▷Cyclocytidine, C-00600
▷Cycloderm, *see* A-00177
Cycloderm, *see* C-00624
Cyclodol, *see* B-00081
Cyclodrine, C-00601
Cyclodrine hydrochloride, *in* C-00601
▷Cyclofenil, C-00602
Cyclogemine, *see* G-00014
▷Cyclogesin, *in* A-00216
▷Cycloguanil, C-00603
▷Cycloguanil embonate, *in* C-00603
▷Cycloguanil pamoate, *in* C-00603
▷Cyclogyl, *in* C-00631
▷5-(1-Cyclohepten-1-yl)-5-ethylbarbituric acid, *see* H-00027
▷5-(1-Cyclohepten-1-yl)-5-ethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* H-00027
Cyclohept[*b*]indole, C-00604
Cycloheptolamide, *see* H-00032
N-[(Cycloheptylamino)carbonyl]-4-methylbenzenesulfonamide, *see* H-00032
1-Cycloheptyl-3-(*p*-tolylsulfonyl)urea, *see* H-00032
N,*N*′-2,5-Cyclohexadiene-1,4-diylidenebis-1*H*-pyrrol-1-amine, *see* A-00508
▷7-(1,4-Cyclohexadienylglycylamino)-3-methyl-3-cephem-4-carboxylic acid, *see* C-00180
Cyclohexamine, *in* P-00182
1,1-Cyclohexanebis(methylamine)(sulfato)platinum, *see* S-00126
(1,2-Cyclohexanediamine-*N*,*N*′)[ethanedioato(2−)-*O*,*O*′]-platinum, *see* O-00080
(1,1-Cyclohexanedimethanamine-*N*,*N*′)[sulfato(2−)-*O*,*O*′]-platinum, *see* S-00126
(1α,2α,3α,4β,5α,6β)-Cyclohexanehexol, *see* I-00074
▷Cyclohexanesulfamic acid, *see* C-00623
5-(1-Cyclohexen-1-yl)-1,3-dihydro-1-methyl-7-nitro-2*H*-1,4-benzodiazepin-2-one, *see* M-00091
▷5-(1-Cyclohexen-1-yl)-1,5-dimethylbarbituric acid, *see* H-00065
▷5-(Cyclohexen-1-yl)-1,5-dimethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* H-00065
▷5-(1-Cyclohexen-1-yl)-5-ethylbarbituric acid, *see* C-00596
▷5-(1-Cyclohexen-1-yl)-5-ethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* C-00596
p-1-Cyclohexen-1-ylhydratropic acid, *see* T-00155
(3-Cyclohexen-1-ylhydroxymethyl)phosphinic acid, *see* F-00256
N-[*p*-[[3-(3-Cyclohexen-1-yl)-2-imino-1-imidazolidinyl]-sulfonyl]phenethyl]butyramide, *see* G-00034
4-(1-Cyclohexen-1-yl)-α-methylbenzeneacetic acid, *see* T-00155
3-(3-Cyclohexen-1-ylmethyl)-1,8-dimethylxanthine, *see* M-00349
17β-(Cyclohexen-1-yloxy)estra-1,3,5(10)-trien-3-ol propanoate, *see* O-00055
2-[4-(1-Cyclohexenyl)phenyl]propanoic acid, *see* T-00155
1-[3-(1-Cyclohexen-1-yl)3-phenylpropyl]-1-methylpiperidinium, *see* F-00041
▷Cycloheximide, *in* D-00441
N-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]-phenyl]-ethyl]-1,3-dihydro-1-oxo-2*H*-isoindole-2-carboxamide, *see* G-00046
N-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]-phenyl]-ethyl]-1-ethyl-3-methyl-4-(3-methylbutoxy)-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamide, *see* G-00035
N-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]-phenyl]-ethyl]-5-methylpyrazinecarboxamide, *see* G-00042
▷*N*-[2-[4-[[[(Cyclohexylamino)carbonyl]amino]sulfonyl]-phenyl]-ethyl]-5-methyl-3-isoxazolecarboxamide, *see* G-00047
N-[(Cyclohexylamino)carbonyl]-2,3-dihydro-1*H*-indene-5-sulfonamide, *see* G-00074
N-[(Cyclohexylamino)carbonyl]-4-[2-(3,4-dihydro-7-methoxy-4,4-dimethyl-1,3-dioxo-2(1*H*)-isoquinolinyl)ethyl]-benzenesulfonamide, *see* G-00043
N-[(Cyclohexylamino)carbonyl]-4-(1-hydroxyethyl)-benzenesulfonamide, *see* H-00137
▷*N*-[(Cyclohexylamino)carbonyl]-4-methylbenzenesulfonamide, *see* G-00071
1-(Cyclohexylamino)-2-propanol benzoate, *in* A-00318
▷3-Cyclohexyl-2-butenoic acid, C-00605
1-[3-[[2-[(Cyclohexylcarbonyl)amino]-1-oxopropyl]thio-2-methyl-1-oxopropyl]-L-proline, *see* M-00457
2-(Cyclohexylcarbonyl)-2,3,6,7,8,12*b*-hexahydropyrazino[2,1-*a*][2]benzazepin-4(1*H*)-one, *see* E-00095
▷2-(Cyclohexylcarbonyl)-1,2,3,6,7,11*b*-hexahydro-4*H*-pyrazino[2,1-*a*]isoquinolin-4-one, *see* P-00406
1-(Cyclohexylcarbonyl)-4-methylpiperazine, *see* P-00133
N-(Cyclohexylcarbonyl)-3-morpholinosydnone imine, *see* C-00333
N-(Cyclohexylcarbonyl)-3-(4-morpholinyl)sydnone imine, *see* C-00333
▷β-Cyclohexylcrotonic acid, *see* C-00605
N-Cyclohexyl-4-[(1,2-dihydro-2-oxo-6-quinolyl)oxy]-*N*-methyl-butanamide, *see* C-00346
▷5-(2-Cyclohex-1-yl)dihydro-5-(2-propenyl)-2-thioxo-4,6-(1*H*,5*H*) pyrimidinedione, *see* T-00172
5-Cyclohexyl-2,4-dimethoxy-γ-oxobenzenebutanoic acid, *see* C-00606

4-(5-Cyclohexyl-2,4-dimethoxyphenyl)-4-oxobutanoic acid, C-00606
α-Cyclohexyl-*N*,*N*-dimethylbenzenepropanamine, *see* G-00009
2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid, C-00607
▷*N*-Cyclohexyl-*N'*-[4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]phenyl]urea, *see* T-00008
2-Cyclohexyl-3,5-dimethylphenol, C-00608
1-Cyclohexyl-3-[[*p*-[2-[1-ethyl-4-(isopentyloxy)-3-methyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxamido]ethyl]phenyl]-sulfonyl]urea, *see* G-00035
1-Cyclohexyl-4-[ethyl(*p*-methoxy-α-methylphenethyl)amino]-1-butanone, *see* S-00033
1-Cyclohexyl-4-[ethyl[2-(4-methoxyphenyl)-1-methylethyl]-amino-1-butanone, *see* S-00033
4-Cyclohexyl-3-ethyl-4*H*-1,2,4-triazole, C-00609
▷Cyclohexyl 4-[(*p*-fluorobenzoyl)propyl]-1-piperazinecarboxylate, *see* F-00036
▷Cyclohexyl 4-[4-(4-fluorophenyl)-4-oxobutyl]-1-piperazinecarboxylate, *see* F-00036
Cyclohexylgeranylacetic acid, *see* C-00607
α-Cyclohexyl-α-hydroxybenzeneacetic acid, *see* C-00614
α-Cyclohexyl-α-hydroxybenzeneacetic acid (1,4,5,6-tetrahydro-1-methyl-2-pyrimidinyl)methyl ester, *see* O-00159
3-Cyclohexyl-3-hydroxybutanoic acid, C-00610
1-Cyclohexyl-3-[[*p*-(1-hydroxyethyl)phenyl]sulfonyl]urea, *see* H-00137
1-Cyclohexyl-3-[(2-hydroxy-1-methyl-2-phenylethyl)amino]-1-propanone, *see* A-00118
4-Cyclohexyl-1-[[[1-hydroxy-2-methylpropoxy](4-phenylbutyl)-phosphinyl]acetyl]-L-proline, C-00611
6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone, C-00612
2-Cyclohexyl-3-hydroxy-1,4-naphthalenedione, *see* C-00613
2-Cyclohexyl-3-hydroxy-1,4-naphthoquinone, C-00613
2-Cyclohexyl-2-hydroxy-2-phenylacetic acid, C-00614
2-[(Cyclohexylhydroxyphenylacetyl)oxy]-*N*,*N*-diethyl-*N*-methylethanaminium, *see* O-00161
3-[(Cyclohexylhydroxyphenylacetyl)oxy]-1,1-dimethylpyrrolidinium, *see* H-00069
2-[[(Cyclohexylhydroxyphenylacetyl)oxy]methyl]-1,1-dimethylpyrrolidinium, *see* O-00163
▷4-(2-Cyclohexyl-2-hydroxy-2-phenylethyl)-1,1-dimethylpiperazinium, *see* H-00067
1-(3-Cyclohexyl-3-hydroxy-3-phenylpropyl)-1-methylpyrrolidinium iodide, *in* P-00455
(3-Cyclohexyl-3-hydroxy-3-phenylpropyl)triethylammonium, *see* T-00454
3-[[4-(3-Cyclohexyl-3-hydroxy-1-propenyl)hexahydro-5-hydroxy-2*H*-cyclopenta[*b*]furan-2-ylidene]methyl]benzoic acid, *see* T-00027
3-[[4-(3-Cyclohexyl-3-hydroxy-1-propenyl)hexahydro-5-hydroxy-2(1*H*)-pentalenylidene]methyl]benzoic acid, *see* N-00054
▷2,2'-[Cyclohexylidenebis(4,1-phenyleneoxy)]bis[2-methylbutanoic acid], *see* C-00429
1,2-*O*-Cyclohexylidene-α-D-glucurono-6,3-lactone, *in* G-00059
5,6-*O*-Cyclohexylidene-L-*threo*-hex-2-enono-1,4-lactone, *in* A-00456
▷α-Cyclohexylidene-α-(*p*-hydroxyphenyl)-*p*-cresol acetate, *see* C-00602
1,2-*O*-Cyclohexylidene-*myo*-inositol, *in* I-00074
1-Cyclohexyl-3-(5-indanylsulfonyl)urea, *see* G-00074
2-Cyclohexyl-4-iodo-3,5-dimethylphenol, C-00615
2-Cyclohexyl-4-iodo-3,5-xylenol, *see* C-00615
▷β-Cyclohexyl-β-methacrylic acid, *see* C-00605
▷1-Cyclohexyl-2-methylaminopropane, *see* M-00242
▷4-Cyclohexyl-α-methylbenzeneacetic acid, *see* C-00621
N-(2-Cyclohexyl-1-methylethyl)-γ-phenylbenzenepropanamine, *see* D-00609
(Cyclohexylmethyl)hydrazine, C-00616
▷1-Cyclohexyl-3-[[*p*-[2-(5-methyl-3-isoxazolecarboxamido)-ethyl]phenyl]sulfonyl]urea, *see* G-00047
▷1-Cyclohexyl-3-(4-methylmetanilyl)urea, *see* M-00146
Cyclohexyl 4-methylpiperazinyl ketone, *see* P-00133
▷1-(Cyclohexylmethyl)piperidine, C-00617
1-Cyclohexyl-2-methyl-1-propanol, C-00618
α-[[(3-Cyclohexyl-1-methylpropyl)amino]methyl]-3-hydroxybenzyl alcohol, C-00619
1-Cyclohexyl-3-[[*p*-[2-(5-methylpyrazinecarboxamido)ethyl]-phenyl]sulfonyl]urea, *see* G-00042
N-Cyclohexyl-*N'*-(2-methyl-4-quinolinyl)-*N''*-2-thiazolylguanidine, *see* T-00282
N-Cyclohexyl-*N*-methyl-4-[(1,2,3,5-tetrahydro-2-oxoimidazo[2,1-*b*]quinazolin-7-yl)oxy]butanamide, *see* L-00063
1-Cyclohexyl-3-[*p*-(methylthio)phenylsulfonyl]urea, *see* T-00203
2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthalenedione, *see* C-00620
2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthoquinone, C-00620
▷4-(Cyclohexyloxy)benzoic acid 3-(2-methyl-1-piperidinyl)-propyl ester, *see* C-00625
1-(2-Cyclohexylphenoxy)-3-[(1-methylethyl)amino]-2-propanol, *see* E-00279
[2-[(Cyclohexylphenylacetyl)oxy]ethyl]dimethylsulfonium, *see* H-00062
1-[2-[(Cyclohexylphenylacetyl)oxy]ethyl]pyridinium, *see* H-00045
1-[(2-Cyclohexyl-2-phenyl-1,3-dioxolan-4-yl)methyl]-1-methylpiperidinium(1+), *see* O-00089
Cyclohexylphenylglycolic acid, *see* C-00614
2-(Cyclohexylphenylmethyl)-*N*,*N*,*N'*,*N'*-tetraethyl-1,3-propanediamine, *see* F-00025
α-Cyclohexyl-α-phenyl-1-piperidinepropanol, *see* B-00081
▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
▷α-Cyclohexyl-α-phenyl-1-pyrrolidinepropanol, *see* P-00455
N-Cyclohexyl-1-piperazineacetamide, *see* E-00120
1-Cyclohexylpropyl carbamate, *see* P-00456
1-Cyclohexyl-2,4,6-(1*H*,3*H*,5*H*)pyrimidinetrione, C-00622
▷Cyclohexylsulfamic acid, C-00623
6-[4-(1-Cyclohexyl-1*H*-tetrazol-5-yl)butoxy]-3,4-dihydro-2(1*H*)-quinolinone, *see* C-00347
▷1-Cyclohexyl-3-(*p*-tolylsulfonyl)urea, *see* G-00071
γ-Cyclohexyl-*N*,*N*,*N*-triethyl-γ-hydroxybenzenepropanaminium, *see* T-00454
2-Cyclohexyl-3,5-xylenol, *see* C-00608
▷Cyclokapron, *in* A-00281
▷Cycloleucine, *see* A-00230
Cyclomenol, *see* C-00608
Cyclomethasone, C-00624
▷Cyclomethiazide, *see* C-00630
▷Cyclomethycaine, C-00625
Cyclomethycaine sulfate, *in* C-00625
Cyclomycin, *see* A-00277
▷Cyclonamine, *in* D-00313
▷Cyclonarol, *in* A-00232
Cyclonicate, *in* T-00506
▷Cyclonium iodide, JAN, *in* O-00089
N-[(Cyclooctylamino)carbonyl]-4-methylbenzenesulfonamide, *see* C-00626
N-Cyclooctyl-*N'*-(4-methylbenzenesulfonyl)urea, C-00626
▷Cyclopal, *see* C-00629
▷Cyclopea, *see* C-00629
Cyclopent, *in* C-00601
▷Cyclopental, *see* C-00629
▷Cyclopentamine, *in* A-00232
Cyclopentamine hydrochloride, *in* A-00232
Cyclopentaminine, *see* A-00231
1,1-Cyclopentanedimethanol bis(phenylcarbamate), *see* C-00587
1,1-Cyclopentanedimethanol dicarbanilate, *see* C-00587
▷Cyclopentanone 2α,3α-epithio-5α-androstan-17β-ylmethyl acetal, *see* M-00100
Cyclopentaphene, *see* C-00587
2-Cyclopentene-1-tridecanoic acid, C-00627
2-(1-Cyclopentenyl)-2-(2-morpholinoethyl)cyclopentanone, C-00628
17β-(1-Cyclopenten-1-yloxy)androsta-1,4-dien-3-one, *see* Q-00015
▷5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, C-00629

▷Cyclopenthiazide, C-00630
▷Cyclopentobarbital, *see* C-00629
Cyclopentolate, C-00631
▷Cyclopentolate hydrochloride, *in* C-00631
N-[2-[4-[[[(Cyclopentylamino)carbonyl]amino]sulfonyl]-phenyl]ethyl]-2-methoxybenzamide, *see* G-00045
N-[(Cyclopentylamino)carbonyl]-4-methylbenzenesulfonamide, *see* T-00363
1-Cyclopentyl-3-[[*p*-[2-(*o*-anisamido)ethyl]phenyl]sulfonyl]urea, *see* G-00045
1-Cyclopentyl-2-dimethylaminopropane, *in* A-00232
δ-Cyclopentyl-*N*-ethyl-δ-hydroxy-*N*,*N*-dimethyl-γ-oxobenzenebutanaminium, *see* C-00632
1-Cyclopentyl-5-(1,2,3,4,5,6-hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-3-pentanone, *see* Q-00001
(4-Cyclopentyl-4-hydroxy-3-oxo-4-phenylbutyl)ethyldimethylammonium(1+), C-00632
3-[(Cyclopentylhydroxyphenylacetyl)oxy]-1,1-dimethylpyrrolidinium, *see* G-00070
2-[(Cyclopentylhydroxy-2-thienylacetyl)oxy]-*N*,*N*-diethylethanamine, *see* P-00095
N-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)glycine, C-00633
▷1-Cyclopentyl-2-methylaminopropane, *in* A-00232
3-(Cyclopentylmethyl)-2,3,4,5-tetrahydro-1*H*-dibenz[2,3:6,7]-oxepino[4,5-*d*]azepine-7-carbonitrile, *see* S-00029
17-(3-Cyclopentyl-1-oxopropoxy)-4-hydroxy-4-estren-3-one, *see* O-00072
3-(Cyclopentyloxy)-17-hydroxypregna-3,5-dien-20-one, *see* P-00080
4-[3-(Cyclopentyloxy)-4-methoxyphenyl]-2-pyrrolidinone, *see* R-00077
3-(Cyclopentyloxy)-17-methylandrosta-3,5-dien-17β-ol, *see* P-00072
3-(Cyclopentyloxy)-19-nor-17α-pregna-3,5-dien-20-yn-17-ol, *see* Q-00024
3-(Cyclopentyloxy)-19-norpregna-1,3,5(10)-trien-20-yne-16α,17α-diol, *see* N-00234
3-(Cyclopentyloxy)pregna-3,5-dien-20-one, *see* Q-00025
1-(2-Cyclopentylphenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, *see* P-00059
3-[(Cyclopentylphenylacetyl)oxy]-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane, *see* C-00335
α-Cyclopentyl-α-phenyl-1-piperidinepropanol, *see* C-00641
3-[[(4-Cyclopentyl-1-piperazinyl)imino]methyl]rifamycin, *see* R-00048
1-Cyclopentyl-2-propylamine, *see* A-00232
1-Cyclopentyl-3-(*p*-tolylsulfonyl)urea, *see* T-00363
▷Cyclopen-W, *see* C-00585
Cyclophenazine, *see* C-00329
Cyclophenazine hydrochloride, *in* C-00329
▷Cyclophosphamide, C-00634
▷Cyclophosphan, *see* C-00634
▷Cycloplasin, *in* C-00603
Cyclopregnol, *in* H-00122
Cycloprolol, *see* C-00332
▷Cyclopropane, C-00635
2-(Cyclopropylamino)-5-phenyl-2-oxazolin-4-one, *see* C-00589
2-(Cyclopropylamino)-5-phenyl-4(5*H*)-oxazolone, *see* C-00589
[5-(Cyclopropylcarbonyl)-1*H*-benzimidazol-2-yl]carbamic acid methyl ester, *see* C-00328
21-[(Cyclopropylcarbonyl)oxy]-6,9-difluoro-11-hydroxy-16,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, *see* C-00388
1-Cyclopropylethanone-*O*-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropyl]oxime, *see* F-00010
1-Cyclopropyl-7-(4-ethyl-1-piperazinyl)-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* E-00068
N-Cyclopropyl-*m*-fluorocinnamamide, *see* C-00366
1-Cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid, *see* C-00390
N-Cyclopropyl-3-(3-fluorophenyl)-2-propenamide, *see* C-00366
22-Cyclopropyl-7α-(1-hydroxy-1-methylpropyl)-6,14-*endo*-ethenotetrahydrothebaine, *see* H-00087
1-[4-(2-Cyclopropylmethoxyethyl)phenoxy]-3-isopropylamino-2-propanol, *see* B-00142
2-(Cyclopropylmethyl)-5,6-bis(4-methoxyphenyl)-1,2,4-triazin-3(2*H*)-one, *see* D-00559
▷17-(Cyclopropylmethyl)-α-(1,1-dimethylethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-α-methyl-6,14-ethenomorphinan-7-methanol, *see* B-00370
▷17-(Cyclopropylmethyl)-4,5-epoxy-18,19-dihydro-3-hydroxy-6-methoxy-α,α-dimethyl-6,14-ethanomorphinan-7-methanol, *see* D-00520
▷17-(Cyclopropylmethyl)-4,5α-epoxy-3,14-dihydroxymorphinan-6-one, *see* N-00034
17-(Cyclopropylmethyl)-4,5-epoxy-α-ethyl-3,6-dimethoxy-α-methyl-6,14-ethenomorphinan-7-methanol, *see* H-00087
17-(Cyclopropylmethyl)-4,5-epoxy-8-ethyl-3-methoxy-morphinan-6-one, *see* C-00542
(5α,7α)-17-(Cyclopropylmethyl)-4,5-epoxy-3-hydroxy-6-methoxy-α,α-dimethyl-6,14-ethenomorphinan-7-methanol, *see* C-00646
17-(Cyclopropylmethyl)-4,5α-epoxy-6-methylenemorphinan-13,17-diol, *see* N-00030
N-(Cyclopropylmethyl)-8β-ethyldihydronorcodeinone, *see* C-00542
3-(Cyclopropylmethyl)-6-ethyl-1,2,3,4,5,6-hexahydro-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol, *see* G-00014
3-Cyclopropylmethyl-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocin-8-ol, *see* C-00588
3-(Cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-6,11-dimethyl-2,6-methano-3-benzazocine, *see* V-00066
7-(Cyclopropylmethyl)-5,6,7,8,14,14*b*-hexahydro-4,8-methanobenzofuro[2,3-*a*]pyrido[4,3-*b*]carbazole-1,8*a*(9*H*)-diol, *see* N-00035
3-(Cyclopropylmethyl)-1,2,3,4,5,6-hexahydro-11-methoxy-6-methyl-2,6-methano-3-benzazocin-8-ol, *see* M-00462
17-(Cyclopropylmethyl)-4-hydroxymorphinan-6-one, *see* K-00018
9-(Cyclopropylmethyl)-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.$0^{2,4}$]nonane, *see* C-00351
1-(Cyclopropylmethyl)-6-methoxy-4-phenyl-2(1*H*)-quinazolinone, *see* C-00392
N-Cyclopropylmethyl-19-methylnorovinol, *see* C-00646
▷17-(Cyclopropylmethyl)morphinan-3,14-diol, *see* O-00114
3-[2-(Cyclopropylmethyl)octahydro-4*a*(2*H*)-isoquinolinyl]-phenol, *see* C-00387
17-(Cyclopropylmethyl)-6-oxamorphinan-3-ol, *see* P-00549
N-[[1-(Cyclopropylmethyl)-2-pyrrolidinyl]methyl]-5-sulfamoyl-*o*-anisamide, *see* C-00391
3-(Cyclopropylmethyl)-3,4,5,6-tetrahydro-8-hydroxy-6,11-dimethyl-2,6-methano-3-benzazocin-1(2*H*)-one, *see* K-00011
13-(Cyclopropylmethyl)-4,4*a*,5,6-tetrahydro-3*H*,5,10*b*-(iminoethano)-1*H*-naphtho[1,2-*c*]pyran-9-ol, *see* P-00549
1-[4-[2-[(Cyclopropylmethyl)thio]ethoxy]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, *see* C-00332
1-(*o*-Cyclopropylphenoxy)-3-(isopropylamino)-2-propanol, *see* P-00451
2-[(2-Cyclopropylphenoxy)methyl]-4,5-dihydro-1*H*-imidazole, *see* C-00395
Cyclopropyl(phenylmethyl)carbamic acid, C-00636
10-[3-(4-Cyclopropyl-1-piperazinyl)propyl]-2-(trifluoromethyl)-10*H*-phenothiazine, *see* C-00329
N-Cyclopropyl-1,3,5-triazine-2,4,6-triamine, *see* C-00653
Cyclo-Prostin, *in* P-00528
Cyclopyrox, *see* C-00612
Cyclopyrronium(1+), C-00637
Cyclopyrronium bromide, *in* C-00637
▷Cyclorin, *in* C-00638
Cycloserine, *see* A-00277
Cyclosidimine, *see* C-00333
▷Cyclospasmol, *see* C-00586
▷Cyclosporin *A*, *in* C-00638
Cyclosporin *G*, *in* C-00638
Cyclosporin *H*, *in* C-00638

Cyclosporin *K*, *in* C-00638
Cyclosporin *L*, *in* C-00638
Cyclosporin *M*, *in* C-00638
Cyclosporin *N*, *in* C-00638
Cyclosporin *O*, *in* C-00638
Cyclosporin *P*, *in* C-00638
Cyclosporin *Q*, *in* C-00638
Cyclosporin *R*, *in* C-00638
Cyclosporin *S*, *in* C-00638
Cyclosporin *T*, *in* C-00638
Cyclosporin *U*, *in* C-00638
Cyclosporin *V*, *in* C-00638
Cyclosporin *W*, *in* C-00638
Cyclosporin *X*, *in* C-00638
Cyclosporin *Y*, *in* C-00638
Cyclosporin *Z*, *in* C-00638
Cyclosporin I, *in* C-00638
Cyclosporin B, *in* C-00638
Cyclosporin C, *in* C-00638
Cyclosporin D, *in* C-00638
Cyclosporin E, *in* C-00638
Cyclosporin F, *in* C-00638
Cyclosporins, C-00638
▷Cyclothiazide, C-00639
▷Cyclotolheptamide, *see* T-00344
▷Cyclovalone, *see* B-00218
▷Clovegantine, *see* D-00606
▷Cycloviran, *see* A-00060
Cyclozine, *see* C-00588
▷Cycol, *see* C-00517
Cycostat, *in* R-00069
▷Cycotiamine, C-00640
Cycrimine, C-00641
▷Cycvalon, *see* B-00218
Cydril, *in* P-00202
▷Cyfen, *see* F-00057
▷Cyflee, *see* D-00453
Cyfluthin, *see* C-00642
Cyfluthrin, C-00642
▷Cyfos, *see* I-00021
Cygerol, *see* C-00607
▷Cyheptamide, *in* D-00282
Cyheptropine, *in* D-00282
▷Cyklosan, *in* A-00232
▷Cylert, *see* A-00306
▷Cymarin, *in* T-00478
Cymemoxine, *see* C-00616
▷Cymidon, *see* K-00014
▷CYN, *see* C-00643
▷Cynarex, *see* C-00643
▷Cynarine, C-00643
Cynomel, *in* T-00487
Cypenamine, *see* P-00185
Cypercil, *see* P-00283
Cypothrin, C-00644
▷Cyprazepam, C-00645
Cyprenorphine, C-00646
Cyprodenate, C-00647
▷Cyproheptadine, C-00648
▷Cyproheptadine hydrochloride, *in* C-00648
Cyprolidol, C-00649
▷Cyprolidol hydrochloride, *in* C-00649
Cypromin, *see* R-00076
▷Cyproquinate, C-00650
▷Cyprostat, *in* C-00651
▷Cyproterone, C-00651
▷Cyproterone acetate, *in* C-00651
▷Cyproximide, C-00652
▷Cyproxyquine, *see* C-00650
▷Cyqualon, *see* B-00218
Cyramedine, *see* S-00097
Cyromazine, C-00653
Cyroquitil, *in* D-00511
▷Cyscholin, *see* C-00655
▷Cystamine, *see* B-00188
▷Cysteamine, *see* A-00252
Cysteine, C-00654
▷L-Cysteinyl-L-tyrosyl-L-isoleucyl-L-glutaminyl-L-asparaginyl-L-cysteinyl-L-prolyl-L-leucylglycinamide cyclic (1→6) disulfide, *see* O-00167
▷Cystineamine, *see* B-00188
▷Cysto-Contry, *in* I-00140
▷Cystokon, *in* A-00340
Cystorelin, *in* L-00116
▷Cystrin, *in* O-00147
▷Cystural, *see* D-00131
▷Cytadren, *see* A-00305
▷Cytarabine hydrochloride, *in* C-00667
▷Cytarabine, *in* C-00667
Cytembna, *see* B-00286
▷Cytenamide, *in* D-00158
▷Cythion, *see* M-00013
▷Cytidine diphosphate choline, C-00655
Cytidine 2′,3′-phosphate, C-00656
▷Cytidine 5′-(trihydrogen diphosphate) hydroxide mono[2-(trimethylammonio)ethyl ester, *see* C-00655
▷Cytimun, *see* S-00178
Cytipos, *see* C-00656
Cytobin, *in* T-00487
Cytobolin, *in* M-00225
Cytochalasin *A*, C-00657
▷Cytochalasin *B*, C-00658
▷Cytochalasin *C*, C-00659
▷Cytochalasin *D*, C-00660
▷Cytochalasin *E*, C-00661
▷Cytochalasin *F*, C-00662
Cytochalasin *G*, C-00663
▷Cytochalasin *H*, C-00664
▷Cytochalasin J, *in* C-00664
▷Cytoferin, *in* F-00094
Cytomel, *in* T-00487
Cytomine, *in* T-00487
Cytorhodin *S*, C-00665
Cytosamine, C-00666
▷Cytosar-U, *in* C-00667
Cytosine arabinoside, C-00667
▷Cytostasan, *in* B-00044
Cytostesin, *in* B-00220
Cytotec, *see* M-00396
Cytoval, *see* B-00286
▷D 20, *in* C-00603
D 32, *see* X-00012
D41, *in* T-00545
D109, *in* A-00318
▷D 1126, *see* F-00242
▷D 1262, *see* C-00520
▷D 138, *see* N-00216
D145, *see* D-00402
D 15-14, *see* M-00258
▷D 1593, *see* C-00255
▷D 178, *in* T-00337
D 1721, *see* A-00121
▷2230D, *see* P-00039
D 237, *see* C-00462
D 254, *see* P-00275
D 301, *in* B-00117
D 305, *in* D-00568
D 4028, *in* X-00002
▷D470, *see* T-00167
▷D563, *in* O-00151
D 600, *see* G-00006
D-775, *see* H-00084
D888, *see* D-00110
D 935, *in* C-00619
▷D970, *see* M-00146
D-9998, *in* F-00204
D 12316, *in* T-00477
▷D 12524, *see* L-00088
▷D 13129, *see* Z-00005
▷D 13312, *see* T-00075
D 13625, *in* A-00118
D 16726, *see* Z-00020

467 D_3, *see* P-00490
739-01D, *in* E-00043
D788-1, *in* C-00081
DA 268, *in* B-00220
DA 3177, *in* C-00351
DA 4577, *see* M-00370
DA 708, *see* B-00319
▷DA 7591, *see* D-00183
▷DA-808, *see* E-00210
DA 893, *see* B-00321
▷DA 914, *in* N-00017
▷DA 992, *see* N-00027
DAAM, *in* M-00162
▷Dabekhin, *in* D-00233
▷Dabequine, *in* D-00233
Dabical, *in* C-00456
DAC, *see* A-00495
▷Dacarbazine, D-00001
▷Dacemazine, *see* D-00403
Dacisteine, *in* A-00031
Dacorsol, *in* P-00414
Dacortilene, *see* P-00414
Dacortin, *see* P-00414
▷Dactil, *in* P-00290
▷Dactilake, *in* P-00290
▷Dactilate, *in* P-00290
Dactimicin, D-00002
▷Dactinomycin, *see* A-00057
▷Dactiran, *in* P-00290
Dacuronium(2+), D-00003
▷Dacuronium bromide, *in* D-00003
Daflon, *in* T-00476
▷Daftazol, *see* D-00134
Dagapamil, D-00004
▷Dagenan chloride, *in* A-00213
▷Dagralax, *see* G-00064
Dahlin, *see* I-00089
▷Daimeton, *see* S-00200
▷Daital, *see* E-00144
▷Daktarin, *in* M-00363
▷Dalacin *C*, *see* C-00428
▷Dalactine, *in* C-00428
▷Dalalone, *in* D-00111
Dalbraminol, D-00005
Daledalin, D-00006
Daledalin tosylate, *in* D-00006
Dalgan, *in* D-00116
▷Dalmane, *in* F-00217
Dalnate, *see* T-00351
Daltroban, D-00007
▷Dalys, *in* B-00147
▷Dalysep, *see* S-00198
▷Dalzic, *see* P-00394
▷DAM 57, *see* L-00122
▷Damazor, *see* A-00076
Dambose, *see* I-00074
▷Dametin, *see* D-00050
Dametralast, D-00008
Damotepine, D-00009
DAN 122, *see* T-00012
DAN 2163, *see* A-00347
DAN 271, *see* T-00333
DAN 523, *in* M-00180
DAN 603, *see* S-00226
DAN 10510, *see* A-00520
DAN 2854/76, *in* P-00421
▷Danazol, D-00010
▷Daneral SA, *in* P-00157
▷Danilon, *see* S-00283
Danitracen, D-00011
▷Danivac, *see* D-00308
▷Danocrine, *see* D-00010
▷Danol, *see* D-00010
Danosteine, *see* C-00066
Dantamacrin, *in* D-00012
▷Danthron, *see* D-00308
Dantralen, *in* D-00012
Dantrium, *in* D-00012
Dantrix, *in* D-00012
▷Dantrolene, D-00012
Dantrolene sodium, JAN, *in* D-00012
▷Dantron, *see* D-00308
▷Danubial, *see* O-00058
▷Danzen, *see* S-00050
▷Daonil, *see* G-00032
▷DAPA, *in* D-00251
Dapanone, *in* P-00158
Dapiprazole, D-00013
Dapoder, *see* M-00137
▷Dapotum *D*, *in* F-00202
▷Daprin, *in* P-00120
▷Dapsone, *see* D-00129
▷Daptazole, *see* D-00134
Daptomycin, D-00014
▷Daquin, *see* C-00275
▷Daranide, *see* D-00206
▷Daraprim, *see* P-00585
▷Darbid, *in* I-00199
▷Dardanin, *in* D-00408
▷Daredan, *see* B-00358
▷Darenthin, *in* B-00271
Darenzepine, D-00015
▷Daricon, *in* O-00159
Darilin, *see* B-00180
Darodipine, D-00016
Darstine, *in* M-00098
▷Dartal, *in* P-00129
▷Dartalan, *in* P-00129
▷Dartan, *in* P-00129
▷Darvon, *in* P-00512
▷Darvon-N, *in* P-00512
▷Dastonil S, *in* H-00110
DAT, *see* A-00020
Datelliptium(1+), D-00017
Datelliptium chloride, *in* D-00017
Datiscoside, D-00018
▷Daturine, *in* T-00554
Daucosterin, *in* S-00151
Daucosterol, *in* S-00151
▷Daunomycin, D-00019
▷Daunomycinone, *in* D-00019
▷Daunorubicin, *see* D-00019
▷Daunorubicin hydrochloride, JAN, *in* D-00019
▷Daunorubicinone, *in* D-00019
▷Dauricine, D-00020
Davercin, *in* E-00115
Davistar, *in* C-00456
▷Davoxin, *see* D-00275
Dawsonite, *see* D-00307
Daxatrigine, D-00021
▷Daxid, *in* X-00004
▷Daxolin, *in* L-00106
Dazadrol, D-00022
Dazadrol maleate, *in* D-00022
Dazepinil, D-00023
Dazepinil hydrochloride, *in* D-00023
Dazidamine, D-00024
Dazmegrel, D-00025
Dazodipine, *see* D-00016
Dazolicine, D-00026
▷Dazomet, *in* T-00135
Dazonone, *see* Q-00005
Dazopride, D-00027
Dazopride fumarate, *in* D-00027
Dazoquinast, D-00028
Dazoxiben, D-00029
Dazoxiben hydrochloride, *in* D-00029
DB 112, *see* C-00445
DB 136, *see* F-00292
▷DB 2182, *in* L-00074
DB 2563, *see* M-00321
▷DBD, *see* D-00163

DBM, *see* D-00164
DBMA, *see* M-00244
DBT, *see* B-00067
DBT, *see* D-00159
DBTA, *see* T-00302
DC-2-269, *in* L-00035
▷DCDE, *in* D-00480
DCET, *in* T-00174
DCh 21, *see* E-00280
DCM, *see* A-00270
▷d-Cof, *see* P-00105
▷DCU, *see* B-00238
DCU, *in* E-00177
▷DD 3480, *see* T-00285
DDAVP, *see* D-00097
DDC, *see* D-00220
▷*o,p'*-DDD, *see* D-00180
▷DDEP, *see* D-00123
DDI, *see* D-00221
▷*cis*-DDP, *in* D-00139
▷*p,p'*-DDT, *see* T-00432
▷D.D.V.P., *see* D-00207
▷DE 019, *in* B-00337
DE 040, *in* R-00022
Deacetoxyvinblastine, *in* V-00032
Deacetylcephalosporin C, *in* C-00177
▷Deacetylcytochalasin *H*, *in* C-00664
O^{4}-Deacetyl-3-de(methoxycarbonyl)-3-[[[2-ethoxy-1-(1*H*-indol-3-ylmethyl)-2-oxoethyl]amino]carbonyl]vincaleukoblastine, *see* V-00045
Deacetylepipachysamine *A*, *in* P-00416
2'-De(acetylmethylamino)maytansine, *in* M-00027
3-De[2-(acetylmethylamino)-1-oxopropyloxy]-3-hydroxymaytansine, *see* M-00027
N$^{2'}$-Deacetyl-*N*$^{2'}$-(2-methyl-1-oxopropyl)maytansine, *in* M-00026
N$^{2'}$-Deacetyl-*N*$^{2'}$-(1-oxopropyl)maytansine, *in* M-00026
10-Deacetyltaxol, *in* T-00037
10-Deactyl-10-oxo-7-epi-taxol, *in* T-00037
DEAE-Sephadex, *see* P-00379
Dealanylalahopcin, *in* A-00092
▷Deamelin S, *see* G-00068
3'-Deamino-3'-(3-cyanomorpholino)doxorubicin, *in* A-00080
O^{27}-De(2-amino-3-methyl-1-oxobutyl)boromycin, *in* B-00258
Deaminooxytocin, D-00030
▷Deandros, *in* H-00110
▷Deaner, *in* D-00408
▷Deanol, *see* D-00408
▷Deanol aceglumate, *in* D-00408
▷Deanol acetamidobenzoate, *in* D-00408
▷Deazaguanine, *see* D-00115
3-Deazaguanosine, *in* D-00115
▷3-Deazauridine, D-00031
▷Debecacin, *see* D-00154
▷Debekacyl, *in* D-00154
▷Debendox, *in* D-00218
▷Debendox, *in* D-00598
▷Debendox, *in* P-00582
▷Deboxamet, D-00032
Debrisan, *in* D-00113
Debrisoquine, D-00033
▷Debrisoquine sulfate, *in* D-00033
▷Debrycin, *see* P-00437
▷Decadron, *in* D-00111
Decadron-TBA, *in* D-00111
▷Deca-durabolin, *in* H-00185
1,2,3,4,4*a*,6,7,11*b*,12,13*a*-Decahydro-9,10-dimethoxy-13*H*-dibenzo[*a,f*]quinolizin-13-one, D-00034
Decahydro-2-oxo-1,3-bis(phenylmethyl)thieno[1',2':1,2]-thieno[3,4-*d*]imidazol-5-ium, *see* T-00498
1,2,3,4,4*a*,5,6,6*a*,11*b*,13*b*-Decahydro-4,4,6*a*,9-tetramethyl-13*H*-benzo[*a*]furo[2,3,4-*mn*]xanthen-11-ol, *see* S-00066
▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, D-00035
▷Decalinium acetate, JAN, *in* D-00088
Decamethonium(2+), D-00036
▷Decamethonium bromide, *in* D-00036
▷Decamethonium iodide, *in* D-00036
1,1'-Decamethylenebis[4-aminoquinaldinium], *see* D-00088
1,1'-Decamethylenebis[1,4-dihydro-4-(octylimino)pyridine], *see* O-00020
Decamethylenebis[dimethyl[2-(thymyloxy)ethyl]]-ammonium(2+), *see* D-00043
2,2'-Decamethylenebis[1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylisoquinolinium], *see* L-00013
Decamethylenebis[trimethylammonium], *see* D-00036
N^{1},*N*^{1}-Decamethylene-*N*^{4},*N*^{4}-decamethylenebis(4-aminoquinaldinium), *see* B-00202
1,1-Decamethylenediguanidine, D-00037
4,4'-(Decamethylenediimino)diquinaldine, *see* Q-00017
▷2,2'-(Decamethylenedithio)diethanol, *see* B-00217
1,1'-(1,10-Decanediyl)[4-amino-2-methylquinolinium], *see* D-00088
2,2'-(1,10-Decanediyl)bis[1-[(3,4-dimethoxyphenyl)methyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methylisoquinolium], *see* L-00013
N,N'''-1,10-Decanediylbisguanidine, *see* D-00037
3,3'-[1,10-Decanediylbis[(methylimino)carbonyloxy]]-bis[*N,N,N*-trimethylbenzenaminium], *see* D-00061
▷2,2'-[1,10-Decanediylbis(thio)]bisethanol, *see* B-00217
N,N'-(1,10-Decanediyldi-1(4*H*)-pyridinyl-4-ylidene)bis-1-octanamine, *see* O-00020
Decanoic acid 2-[4-[3-(2-chloro-9*H*-thioxanthen-9-ylidene)-propyl]-1-piperazinyl]ethyl ester, *in* C-00481
Decapeptyl, *see* T-00531
Decapinol, *see* D-00055
▷Decapryn succinate, *in* D-00598
▷Decardil, *in* D-00275
▷Decaserpyl, *see* M-00191
▷Decaspiride, *in* F-00076
Deccox, *see* D-00041
Dechloro-4,5-deepoxy-*N*-demethylmaytansinol, *in* M-00027
30-Dechloro-2-demethyl-30-hydroxynaphthomycin *A*, *see* A-00052
Dechlorogriseofulvin, *in* G-00087
Dechloro-N-deepoxymaytansinol, *in* M-00027
▷Decholin, *see* D-00049
▷Decidal, *see* E-00074
▷Decimemide, *see* D-00042
▷Decitabine, *in* D-00077
Decitropine, D-00038
Declaben, *see* C-00246
Declenperone, D-00039
▷Declinax, *in* D-00033
▷Decloban, *in* C-00437
▷Declomycin, *see* D-00064
▷Decloxizine, D-00040
Decoderm, *in* F-00207
Decominol, *in* A-00317
Decoquinate, D-00041
▷Decortene, *see* H-00203
Decortilen, *see* P-00414
Decortilene soluble, *in* P-00414
Dectaflur, *in* O-00011
Dectan, *in* D-00111
Decyl(2-hydroxyethyl)dimethylammonium 1-adamantanecarboxylate, *see* A-00163
N-Decyl-*N*-methyl-*N*-[3-(trimethoxysilyl)propyl]-1-decanaminium, *see* D-00534
▷4-(Decyloxy)-3,5-dimethoxybenzamide, D-00042
Decylroxibolone, *in* R-00098
23-De[(6-deoxy-2,3-di-*O*-methyl-β-D-allopyranosyl)oxy]tylosin, *in* T-00578
23-De(6-deoxy-2,3-di-O-methyl-β-D-allopyranosyl)tylosin, 9CI, *in* T-00578
Dediol, *see* A-00109
Deditonium(2+), D-00043
Deditonium bromide, *in* D-00043
Dedrogyl, *see* H-00221
12,13-Deepoxy-12,13-didehydro-4'-deoxycirramycin A_1, *see* R-00025
6,9-Deepoxy-6,9-(phenylimino)-$\Delta^{6,8}$-prostaglandin I_1, *see* P-00334

16-Deethyl-16-methylmonensin *A*, *in* M-00428
N-Deethylsongorine, *in* S-00100
▷Defekton, *in* C-00097
▷Deferoxamine, D-00044
Deferoxamine hydrochloride, *in* D-00044
▷Defibrase, *see* B-00017
Defibrotide, D-00045
Defirin, *see* D-00097
▷Deflamene, *see* F-00246
▷Deflamin, *see* F-00246
▷Deflan, *see* D-00046
▷Deflazacort, D-00046
▷Deflexol, *see* A-00225
Deflogon, *see* I-00009
N-Deformylvincristine, *in* V-00032
▷Defosfamide, D-00047
▷Deftan, *in* L-00074
Defungit, *see* B-00065
▷Degadil, *in* F-00073
▷Degalol, *in* D-00321
▷Deganol, *see* D-00064
▷Degranol, *see* M-00019
Degratef, *in* M-00019
▷Dehistin, *see* T-00524
Dehydroactidione, *in* D-00441
Dehydroandrosterone, *in* H-00110
17,18-Dehydroapovincamino 3′,4′,5′-trimethoxybenzoate, *see* V-00040
8,9-Dehydroasterolide, *see* E-00269
▷Dehydroavilamycin *C*, *in* A-00487
▷Dehydrobenzperidol, *see* D-00608
α-Dehydrobiotin, D-00048
▷Dehydrocholate sodium, *in* D-00049
▷Dehydrocholic acid, D-00049
▷Dehydrocholin, *see* D-00049
Dehydrocholylglycine, *in* D-00049
Dehydro-1,8-cineole, *in* C-00360
11-Dehydrocorticosterone, *see* H-00204
▷Dehydrocortisol, *see* P-00412
▷1,2-Dehydrocortisone, *see* P-00413
1,2,3,4-Dehydrodesoxypodophyllotoxin, *in* D-00083
Dehydrodihydrocostus lactone, *see* M-00422
▷Dehydroemetine, D-00050
Dehydroepiandrosterone enanthate, *in* H-00110
Dehydrofolliculinic acid, *see* D-00570
▷1-Dehydrohydrocortisone, *see* P-00412
▷Dehydroimipramine, *see* B-00007
▷Dehydroisoandrosterone, *in* H-00110
6-Dehydro-16-methylenecortisol, *see* I-00197
Dehydromethyprylon, *see* D-00250
13,14-Dehydro-PGE_2, *in* D-00343
Dehydrophomin, *see* C-00657
▷6-Dehydro-9β,10α-progesterone, *see* D-00624
2,3-Dehydroproline, *see* D-00301
▷Dehydrorelomycin, *see* T-00578
Dehydroretinol, *in* V-00058
3-Dehydroretinol, *in* V-00058
Dehydroryanodine, *in* R-00108
▷Dehydrosanol active substance, *see* B-00032
Dehydrosinefungin, *in* S-00078
Dehydrosinomenine, *in* S-00079
7-Dehydro-β-sitosterol, *in* S-00151
1-Dehydrotestosterone, *in* H-00108
Dehydroverrucarin A, *in* V-00023
Deidrosan, *in* D-00049
3′-Deiodothyroxine, *see* T-00487
Deisobutyrylolivomycin *A*, *in* O-00038
Deisovalerylblastmycin, *in* A-00415
Dekamesol, *in* B-00202
▷Dekelmin, *see* M-00199
Deketrol, *in* T-00233
▷Dekinet, *see* B-00175
▷Deladiol, *in* O-00028
Deladroxate, *in* O-00028
▷Deladroxone, *in* A-00114
Delakmin, *see* H-00221
▷Delalutin, *in* H-00202
Delanterone, *in* M-00224
Delapril, D-00051
Delapril hydrochloride, *in* D-00051
▷Delatestryl, *in* H-00111
▷Delavan, *in* M-00229
▷Delcortin, *in* P-00413
▷Delcronol, *see* D-00124
Deleil, *see* T-00047
Delergotrile, D-00052
Delestrec, *in* O-00028
Delfantrine, D-00053
Delfen, *see* N-00206
Delibryl, *see* R-00042
Delinal, *in* P-00497
Delipoderm, *see* P-00477
▷Deliton, *see* C-00507
Delmadinone, D-00054
Delmadinone acetate, *in* D-00054
Delmate, *in* D-00054
Delmeson, *see* F-00186
Delmetacin, *in* M-00263
Delmopinol, D-00055
▷Delnav, *see* D-00475
Delonal, *in* A-00104
▷Delorazepam, D-00056
Deloxolone, D-00057
Deloxolone sodium, *in* D-00057
▷Delprostenate, D-00058
▷Delsterol, *see* V-00062
▷Delta-Corlin, *in* P-00413
▷Deltacortisone, *see* P-00413
Deltacortril D, *in* P-00412
Deltafludrocortisone, *see* I-00188
Delta-Medryson, *see* E-00052
▷Deltamycin A_4, *see* C-00056
▷Deltanyne, *in* T-00115
Deltar, *in* C-00479
Delta sleep-inducing peptide (rabbit), *see* T-00568
Deltasol, *in* D-00111
▷Deltoin, *see* M-00179
Deltolio, *in* P-00412
▷Delvex, *in* D-00548
▷Delvinal, *see* V-00031
▷Delvomycin, *see* M-00413
Delvosteron, *see* P-00472
▷Delysid, *see* L-00122
Demalit, *see* L-00059
▷Demanol aceglumate, *in* D-00408
Demanyl phosphate, D-00059
▷Demazin, *in* A-00272
▷Demazin, *in* A-00308
Dembrexine, D-00060
Dembrexol, *see* D-00060
Demecarium(2+), D-00061
Demecarium bromide, *in* D-00061
▷Demeclocycline, *see* D-00064
▷Demeclocycline hydrochloride, *in* D-00064
▷Demecolcine, D-00062
Demecycline, *see* D-00066
Demegestone, D-00063
Demelon, *in* H-00185
Demelverine, *in* D-00491
▷Demerol, *see* P-00131
Demetacin, *in* M-00263
▷Demetex, *in* D-00270
4-Demethoxyadriamycin, *in* A-00080
2-Demethoxyaranciamycinone, *in* S-00143
▷4-Demethoxydaunomycin, *see* I-00016
Demethoxyrapamycin, *in* R-00013
▷11-Demethoxyreserpine, *see* D-00093
2^C-Demethoxytylosin, *in* T-00578
5-*O*-Demethylavermectin A_{1a}, *see* A-00483
Demethylcefazolin, *see* C-00154
Demethylcephaeline, *in* C-00172
9-Demethylcephaeline, *in* C-00172

10-Demethylcephaeline, *in* C-00172
6-Demethylchalcomycin, *see* N-00081
▷6-Demethyl-7-chlorotetracycline, D-00064
2′-Demethyldauricine, *in* D-00020
2-Demethyldemecolcine, *in* D-00062
3-Demethyldemecolcine, *in* D-00062
4-*O*-Demethyl-11-deoxydaunorubicin, *in* C-00081
▷6-Demethyl-6-deoxy-7-dimethylaminotetracycline, *see* M-00387
26-Demethyl-12-deoxyoligomycin *A*, *in* O-00037
N-Demethyl-1-deoxypyrromycin, *in* A-00089
6-Demethyl-6-deoxytetracycline, D-00065
▷Demethyldiazepam, *in* D-00148
Demethyldihydrogalanthamine, *in* G-00002
N-Demethyldihydrogalanthamine, *in* G-00002
O-Demethyldihydrogalanthamine, *in* G-00002
▷Demethyldihydrothebaine acetate, *see* T-00161
▷Demethyldopan, *see* B-00197
3″-*C*-Demethyl-8,19-epoxyerythromycin *B*, *in* E-00116
3″-*C*-Demethylerythromycin *B*, *in* E-00116
3″-*N*-Demethyl-3″-*N*-ethylsisomicin, *see* E-00242
▷*N*-Demethyl-*N*-formylleurosine, *see* V-00039
3-*O*-Demethylfortimicin A, *in* F-00252
4″-Demethylgentamicin C_1, *in* G-00018
4″-Demethylgentamicin C_2, *in* G-00018
4″-Demethylgentamicin C_{1a}, *in* G-00018
3″-*C*-Demethyl-8-hydroxyerythromycin *B*, *in* E-00116
3″-*C*-Demethyl-10-hydroxyerythromycin *B*, *in* E-00116
3″-*C*-Demethyl-12-hydroxyerythromycin *B*, *in* E-00116
Demethylmacrocin, *in* T-00578
Demethylmarcellomycin, *in* M-00022
▷26-Demethyloligomycin *A*, *see* O-00037
4^B-Demethylolivomycin A, *in* O-00038
N-Demethylorphenadrine, *see* T-00339
10′-Demethylstreptonigrin, *in* S-00162
6-Demethyltetracycline, D-00066
1-Demethylthio-1-hydroxylincomycin, *in* L-00051
▷3^C-*O*-Demethyltylosin, *in* T-00578
56-Demethylvancomycin, *in* V-00007
Demethylzimelidine, *in* N-00201
▷Demetracicline, *in* D-00064
▷Demetrin, *see* P-00404
Demexiptiline, D-00067
▷Demicardio, *in* D-00370
▷Demidone, *see* H-00189
Demigran, *in* F-00154
Democonazole, D-00068
▷Demolax, *see* A-00362
▷Demolox, *see* A-00362
Demopressin acetate, JAN, *in* D-00097
▷Demotil, *in* D-00482
▷Demovis, *in* Q-00024
▷Demoxepam, D-00069
Demoxytocin, *see* D-00030
Demser, *in* A-00273
Demycin, *see* B-00340
23-Demycinosyltylosin D, *in* T-00579
▷Demykon, *see* C-00261
▷Denaton, *in* D-00070
Denatonium(1+), D-00070
▷Denatonium benzoate, *in* D-00070
Denaverine, D-00071
Denbufylline, D-00072
▷Dendrid, *see* D-00081
Dendripar, *see* X-00011
▷Denegard, *in* T-00238
▷Denegyt, *see* D-00042
▷Denestrolin, *see* D-00223
Denipride, D-00073
Denopamine, D-00074
Denoral, *in* C-00443
Denpidazone, D-00075
▷Dentocain, *in* M-00299
▷Dentomastic, *in* A-00374
Denzimol, D-00076
DE-OS 2620179, *see* S-00103
9-Deoxo-11-deoxy-9,11-[imino[2-(2-methoxyethoxy)-ethylidene]oxy]erythromycin, *see* D-00533
6′-Deoxo-9,10α-dihydro-β-ergocryptine, *see* D-00098
20-Deoxo-20-(3,5-dimethyl-1-piperidinyl)tylosin *B*, *see* T-00275
20-Deoxo-20-hydroxytylosin, *see* T-00579
1-De(5-oxo-L-proline)-2-de-L-glutamine-5-L-methionine caerulein, *see* S-00077
6-Deoxyacyclovir, *in* A-00060
▷3′-Deoxyadenosine, *see* C-00543
(5′-Deoxyadenosine-5′)cobinamide hydroxide dihydrogen phosphate(ester) inner salt 3′-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1*H*-benzimidazole, *see* C-00529
5′-Deoxyadenosylcobalamin, *see* C-00529
5′-Deoxyadenosyl-13-epicobalamin, *in* C-00529
Deoxyadrenaline, *see* E-00081
3-Deoxyaphidicolin, *in* A-00422
2′-Deoxy-5-azacytidine, D-00077
2′-Deoxy-5-(2-bromovinyl)uridine, *see* B-00322
4′-Deoxybutirosin *B*, *in* B-00408
20-Deoxycamptothecin, *in* C-00024
11-Deoxycarminomycin I, *in* C-00081
▷Deoxycholic acid, *in* D-00321
▷Deoxycholylglycine, *in* D-00321
▷4′-Deoxycirramycin A_1, *see* R-00092
▷2′-Deoxycoformycin, *see* P-00105
▷11-Deoxycorticosterone, *see* H-00203
Deoxycorticosterone pivalate, *in* H-00203
▷Deoxycortone, *see* H-00203
▷Deoxycortone acetate, *in* H-00203
Deoxycortone glucoside, *in* H-00203
Deoxycortone pivalate, *in* H-00203
11-Deoxydaunorubicin, *in* D-00019
11-Deoxy-13-deoxodaunorubicin, *in* D-00019
11-Deoxy-13-dihydrodaunorubicin, *in* D-00019
▷1-Deoxy-1-(3,4-dihydro-7,8-dimethyl-2,4-dioxobenzo[*g*]-pteridin-10(2*H*)-yl)-D-ribitol, *see* R-00038
▷4′-Deoxydoxorubicin, *in* A-00080
11-Deoxydoxorubicin, *in* A-00080
20-Deoxy-17-epinarasin, *in* N-00050
Deoxyepinephrine, *see* E-00081
Deoxy-epi-17-salinomycin, *in* S-00017
▷4′-Deoxy-3′,4′-epoxy-22-oxovincaleukoblastine, *see* V-00039
▷12-Deoxyerythromycin, *see* E-00116
▷2′-Deoxy-5-ethyluridine, *see* E-00015
2-Deoxy-2-fluoroglucose, D-00078
▷2′-Deoxy-5-fluorouridine, D-00079
5′-Deoxy-5-fluorouridine, *see* D-00595
5-Deoxygentamicin C_{2b}, *in* G-00018
6-Deoxyglucosamine, *see* A-00240
Deoxyharringtonic acid, *in* H-00022
Deoxyharringtonine, *in* H-00022
1-Deoxy-1-[[4-[[(hydroxymethyl)amino]sulfonyl]phenyl]-amino]-1-sulfoglucitol, *see* G-00056
6-Deoxy-5-hydroxytetracycline, D-00080
2′-Deoxy-5-iodocytidine, *see* I-00001
▷2′-Deoxy-5-iodouridine, D-00081
▷5-Deoxykanamycin A, *in* K-00004
▷14-Deoxylagosin, *in* F-00106
Deoxymannojirimycin, *in* T-00481
7-[[6-*O*-(6-Deoxy-α-L-mannopyranosyl)-β-D-glucopyranosyl]-oxy]-5-hydroxy-2-[3-hydroxy-4-methoxyphenyl)-4*H*-1-benzopyran-4-one, *in* T-00476
1-Deoxy-1-(methylamino)glucitol, D-00082
6-Deoxy-6-methylenenaltrexone, *see* N-00030
30-Deoxy-1-methylmocimycin, *in* M-00413
▷2-Deoxy-2-[[(methylnitrosoamino)carbonyl]amino]-D-glucose, *see* S-00164
20-Deoxy-4-methyl-20-oxosalinomycin, *in* N-00050
20-Deoxynarasin, *in* N-00050
Deoxynojirimycin, *in* T-00481
(4′α)-4′-Deoxy-22-oxovincaleukoblastine, *in* V-00037
6-Deoxyparamomycin I, *in* P-00039
6-Deoxyparomycin II, *in* P-00039

▷3-(2-Deoxy-β-D-*erythro*-pentofuranosyl)-3,6,7,8-tetrahydroimidazo[4,5-*d*][1,3]diazepin-8-ol, *see* P-00105
Deoxypicropodophyllin, *in* D-00083
Deoxypodophyllic acid, D-00083
Deoxypodopyllotoxin, *in* D-00083
1-Deoxypyrromycin, *see* A-00089
▷1-(2-Deoxy-β-D-ribofuranosyl)-5-fluorouracil, *see* D-00079
8-Deoxyrifamycin B, *in* R-00047
12-Deoxyrutamycin, *in* O-00037
Deoxy-(*O*-8)-salinomycin, *in* S-00017
15-Deoxyspergualin, *in* S-00112
2-Deoxystreptomycin, *in* S-00161
2′-Deoxythioguanosine, *see* A-00236
▷2′-Deoxy-5-(trifluoromethyl)uridine, D-00084
Deoxyvinblastine *A*, *in* L-00036
20′-Deoxyvinblastine, *in* L-00036
27-Deoxywithaferin A, *in* W-00002
▷Depakene, *see* P-00516
Depamide, *in* P-00516
Depamine, *see* P-00064
Déparon, *see* D-00067
▷Depas, *see* E-00244
Depepsen, *in* S-00140
Depersolone, *in* M-00030
1^{B}-De-L-phenylalanine insulin (ox), *in* I-00078
1^{B}-De-L-phenylalanine-8^{A}-L-threonine-10^{A}-L-isoleucine insulin (pig), *in* I-00078
▷Depigman, *see* B-00124
Depixol, *in* F-00198
Deplet, *see* T-00047
▷Depofemin, *in* O-00028
Depofollan, *in* O-00028
Depogin, *in* O-00028
▷Depolipon, *in* A-00216
▷Depo-medrate, *in* M-00297
▷Depo-medrol, *in* M-00297
Depo-Nortestonate, *in* H-00185
▷Depo-Provera, *in* H-00175
Deposal, *see* H-00115
Deposiston-Oestrogen, *in* E-00231
▷Depostat, *in* G-00023
Deposteron, *in* H-00111
▷Deposulf, *see* S-00197
Depot, *in* H-00185
▷Depo-Testadiol, *in* O-00028
Depot-Glumorin, *see* K-00003
Depotocin, *see* C-00048
Depot-Ostromon, *in* D-00257
▷Depramine, *see* B-00007
▷Depran, *see* T-00577
Deprenaline, *see* D-00449
Deprenyl, *see* D-00449
▷Depressin, *in* H-00055
Depressin, *in* P-00508
Depresym, *in* D-00588
▷Deprevon, *in* M-00360
▷Deprex "Novo", *see* D-00156
▷Deprimil, *in* L-00074
Deproceptin, *in* T-00582
Deprodone, *in* D-00348
Deprodone propionate, *in* D-00348
Deprolen, *see* D-00611
Deprolorphin, D-00085
4′-Depropyl-4′-pentyllincomycin, *in* L-00051
Deprostil, D-00086
Depryn, *in* A-00126
Deptomycin, *see* D-00014
Deptropine, D-00087
▷Deptropine citrate, *in* D-00087
Deptropine methiodide, *in* D-00087
▷Deptropine methobromide, *in* D-00087
▷Dequadin, *in* D-00088
Dequalinium(2+), D-00088
▷Dequalinium acetate, *in* D-00088
▷Dequalinium chloride, *in* D-00088
Deracyn, *see* A-00071
▷Der-Albine, *see* B-00124
Derimine, *in* O-00111
Deriphyllin, *in* T-00169
▷Derl, *see* H-00039
▷Dermacaine, *see* C-00357
▷Dermacort, *see* F-00246
▷Dermacrin, *see* G-00073
▷Dermadex, *in* D-00111
Dermafur, *in* F-00285
▷Dermagan, *see* D-00117
Dermalex, *see* A-00123
▷Dermaphos, *see* F-00039
Dermatol, *see* D-00314
▷Dermaton, *see* C-00203
Dermatop, *see* P-00410
▷Dermavet, *see* D-00454
▷Dermetrix, *see* T-00521
▷Dermobion, *in* N-00177
▷Dermochinona, *see* B-00124
▷Dermofongin A, *see* C-00249
▷Dermo-Hidrol, *see* D-00102
▷Dermonistat, *in* M-00363
Dermostatin, D-00089
▷Dermostatin *A*, *in* D-00089
Dermostatin *B*, *in* D-00089
▷Dermovate, *in* C-00437
Derol, *in* C-00012
▷Deronyl, *in* F-00240
Derpanicate, D-00090
Derricidin, *in* D-00347
▷Dertil, *see* N-00092
Desacetylcephalosporin *C*, *in* C-00177
Desacetylneoprotoveratrine, *in* P-00543
Desacetylprotoveratrine A, *in* P-00543
Desacetylprotoveratrine B, *in* P-00543
▷Desaglybuzole, *see* G-00063
▷Desametasone, *see* D-00111
Desaminooxytocin, *see* D-00030
▷Desaspidin, D-00091
▷Desaspidin *BB*, *see* D-00091
Desatrine, *in* P-00543
▷Desaval, *in* D-00111
Descarbamylnovobiocin, *in* N-00228
11-Deschlororebeccamycin, *in* R-00017
Desciclovir, *in* A-00060
Descinolone, D-00092
▷Descinolone acetonide, *in* D-00092
Desclidium, *in* Q-00026
▷Desconex, *in* L-00106
▷Desenex, *in* U-00008
Desenex, *in* U-00008
Desenovis, *see* B-00180
Desenovister, *see* B-00180
▷Deseril, *in* M-00315
Deserol, *see* B-00299
▷Deserpidine, D-00093
▷Desferal, *in* D-00044
▷Desferrin, *see* D-00044
▷Desferrioxamine, *see* D-00044
▷Desferrioxamine mesilate, *in* D-00044
▷Desflam, *in* B-00353
▷Desfluorotriamcinolone acetonide, *see* D-00101
▷Desglucotransvaalin, *in* D-00319
Desglugastrin, D-00094
▷Desipramine, D-00095
▷Desipramine hydrochloride, JAN, *in* D-00095
▷Desitriptyline, *see* N-00224
Desmethoxyverapamil, *see* D-00110
▷Desmethylcodeine, *in* N-00222
Desmethylemetine, *see* C-00172
▷Desmethylimipramine, *see* D-00095
▷Desmethylloxapine, *see* A-00362
▷Desmethylmethadone, *see* D-00407
Desmethylmoramide, D-00096
▷Desmethylmorphine, *see* N-00222
▷Desmofosfamide, *see* D-00047

Desmopressin, D-00097
Desmopressin acetate, *in* D-00097
Des-N-methylacronycine, *in* A-00050
Desocin, *in* D-00569
Desocriptine, D-00098
Desogen, *in* D-00569
Desogene, *in* T-00357
▷Desogestrel, D-00099
Desoine, *in* B-00206
Desolone, *in* D-00348
Desomedine, *in* H-00058
▷Desomorphine, D-00100
▷Desonide, D-00101
Desonide disodium phosphate, *in* D-00101
Desonide phosphate, *in* D-00101
Desonide pivalate, *in* D-00101
▷Desopan, *see* T-00489
▷Desopimon, *in* C-00295
▷Desoximetasone, D-00102
▷Desoxycorticosterone acetate, *in* H-00203
▷Desoxycortone, *see* H-00203
Desoxycortone enanthate, *in* H-00203
▷Desoxymethasone, *see* D-00102
▷2-Desoxyphenobarbital, *see* P-00436
Desoxypodophyllotoxin, *in* D-00083
▷Desoxytriamcinolone acetonide, *in* D-00092
▷Desson, *see* C-00235
▷Destolit, *in* D-00320
▷Destomycin *A*, *in* D-00103
▷Destomycin *B*, *in* D-00103
▷Destomycin *C*, *in* D-00103
Destomycins, D-00103
▷Destonate 20, *in* D-00103
Destromoramide, *in* M-00437
Desurin, *see* D-00097
Desvalinoboromycin, *in* B-00258
Detajmium (1+), D-00104
Detajmium bitartrate, *in* D-00104
Detamid, *see* D-00236
▷Detamide, *in* M-00230
Detanosal, D-00105
Detantol, *see* B-00361
Deterenol, D-00106
Deterenol hydrochloride, *in* D-00106
Dethamid, *see* D-00236
▷Dethylandiamine, *see* T-00165
▷Deticene, *see* D-00001
Detigon, *in* C-00191
Detirelix, D-00107
Detirelix acetate, *in* D-00107
Detomidine, *see* D-00426
▷Detorubicin, D-00108
Detpamine, *see* D-00074
Detraine, *see* P-00490
▷Detralfate, D-00109
▷Detravis, *in* D-00064
▷Detrican, *see* T-00072
Detrothyronine, *in* T-00487
▷Detrulisin, *in* E-00035
▷Dettol, *see* C-00235
▷Deturid, *see* P-00153
Devalylboromycin, *in* B-00258
Devan, *in* D-00111
Devapamil, D-00110
▷Develar, *in* C-00465
Devicoran, *see* D-00144
▷Devocin, *see* M-00138
▷Devonea, *see* D-00360
▷Devryl, *in* C-00465
▷Dexacaine, *in* M-00101
▷Dexacillin, *see* E-00074
▷Dexamed, *in* P-00202
▷Dexametasone, *see* D-00111
▷Dexamethasone, D-00111
Dexamethasone acefurate, *in* D-00111
▷Dexamethasone acetate, *in* D-00111
Dexamethasone diethylaminoacetate, *in* D-00111
▷Dexamethasone isonicotinate, *in* D-00111
Dexamethasone linoleate, *in* D-00111
Dexamethasone metasulphobenzoate, *in* D-00111
Dexamethasone palmitate, *in* D-00111
▷Dexamethasone phosphate, *in* D-00111
Dexamethasone pivalate, *in* D-00111
▷Dexamethasone sodium phosphate, *in* D-00111
▷Dexamethasone sodium sulfate, *in* D-00111
Dexamethasone succinate, *in* D-00111
Dexamethasone tert-butylacetate, *in* D-00111
Dexamethasone trimethylacetate, *in* D-00111
Dexamethasone 21-(3,6,9-trioxaundecanoate), *in* D-00111
Dexamethasone troxundate, *in* D-00111
▷Dexamethasone valerate, *in* D-00111
▷Dexamethazon, *see* D-00111
Dexamisole, *in* T-00151
▷Dexamphetamine, *in* P-00202
▷Dexaval, *in* D-00111
Dexawin, *in* T-00179
Dexbenzetimide, *in* B-00080
Dexbrompheniramine, *in* B-00325
▷Dexbrompheniramine maleate, *in* B-00325
Dexchlorpheniramine, *in* C-00292
▷Dexchlorpheniramine maleate, *in* C-00292
▷Dex-Cillin, *see* E-00074
Dexclamol, D-00112
Dexclamol hydrochloride, *in* D-00112
▷Dexcyanidanol, *in* P-00081
▷Dexedrine, *in* P-00202
Dexetimide, *in* B-00080
Dexetozoline, *in* O-00169
▷Dexfenfluramine, *in* F-00050
Deximafen, *in* T-00130
Dexindoprofen, *in* I-00068
▷Dexivacaine, *in* M-00101
Dexlofexidine, *in* L-00075
Dexmedetomidine, *in* T-00505
▷Dexnorgestrel acetime, *see* N-00216
Dexnorgestrel (obsol.), *in* N-00218
▷Dexophan, *see* N-00100
Dexotropin, *in* T-00399
Dexoxadrol, *in* D-00472
▷Dexoxadrol hydrochloride, *in* D-00472
▷Dexpanthenol, *in* P-00015
Dexpropranolol, *in* P-00514
Dexpropranolol hydrochloride, *in* P-00514
Dexproxibutene, *in* P-00547
Dexsecoverine, *in* S-00033
Dextilidine, *in* T-00273
Dextramisole hydrochloride, *in* T-00151
▷Dextran, D-00113
Dextranomer, *in* D-00113
▷Dextran sulfate sodium salt aluminum complex, *see* D-00109
Dextriferron, *in* D-00114
▷Dextrin, D-00114
▷Dextroamphetamine, *in* P-00202
▷Dextroamphetamine sulfate, *in* P-00202
Dextrodiphenopyrine, *in* M-00437
▷Dextro-Dromoran, *in* H-00166
Dextrofemine, *in* M-00269
▷Dextromethorphan, *in* H-00166
▷Dextromethorphan hydrobromide, *in* H-00166
Dextromoramide, *in* M-00437
▷Dextropropoxyphene, *in* P-00512
▷Dextropropoxyphene napsilate, *in* P-00512
▷Dextrorphan, *in* H-00166
▷Dextrosulfenidol, *in* T-00179
Dextrothyronine, *in* T-00487
Dextrothyroxine, *in* T-00233
▷Dextrothyroxine sodium, *in* T-00233
▷Dezaguanine, D-00115
Dezaguanine mesilate, *in* D-00115
Dezocine, D-00116
DFA, *in* A-00258
▷DFMO, *see* D-00126

5-DFUR, *see* D-00595
DG 5128, *in* M-00365
▷D_1H, *see* P-00546
▷DH 245, *see* F-00283
▷DH 524, *in* F-00058
DH 581, *see* P-00445
▷DHA 245, *see* D-00134
DHBG, *see* B-00336
DHEAS, *in* H-00110
DHM 32-550, *see* D-00098
DHP-218, *see* D-00437
▷DHPG, *see* D-00350
DHV PGE_2 ME, *see* V-00051
▷Diabefagos, *in* D-00432
▷Diabenor, *see* G-00047
Diabeton(S) active substance, *see* A-00262
▷Diabetosan, *see* D-00432
▷Diabinese, *see* C-00299
▷Diabutan, *see* C-00070
▷Diacalm, *see* B-00022
▷Diacephin, *see* H-00034
▷Diacerein, *in* D-00309
Diacetamate, *in* A-00298
▷α,5-Diacetamido-2,4,6-triiodo-*m*-toluic acid, *see* I-00095
▷Diacetazotol, D-00117
Diacetol, *in* D-00315
Diacetolol, D-00118
Diacetolol hydrochloride, *in* D-00118
▷Diacetone alcohol, *see* H-00171
▷Diacetotoluide, *see* D-00117
3,4-Diacetoxy-3,4-dihydro-2,5(2*H*,5*H*)-furandione, *in* T-00028
▷2-Di(4-acetoxyphenyl)methylpyridine, *see* B-00186
▷Diacetoxyscirpenol, *in* A-00386
Diacetoxysuccinic acid, *in* T-00028
▷Diacetylaminoazotoluene, *see* D-00117
▷4-(Diacetylamino)-2′,3-dimethylazobenzene, *see* D-00117
3-(Diacetylamino)-2,4,6-triiodobenzoic acid, *in* A-00340
Diacetylcysteine, *in* A-00031
▷Diacetylmorphine, *see* H-00034
Diacetylnalorphine, *in* N-00032
N^2,N^5-Diacetylornithine, *in* O-00059
2,3-Di-*O*-acetyltartaric acid, *in* T-00028
Diacetyl thiamine, *see* A-00020
Diacort, *in* D-00267
Diacromone, *see* M-00231
▷Diadril, *in* M-00051
Diafon, *in* C-00200
▷Dialferin, *in* A-00105
▷Dialicor, *in* E-00134
▷Dialloferin, *in* A-00105
▷Diallylbarbital, *see* D-00119
▷5,5-Diallylbarbituric acid, D-00119
6,6′-Diallyl-α,α′-bis(diethylamino)-4,4′-bi-*o*-cresol, *see* B-00150
3′,3′-Diallyl-4,6′-dihydroxybiphenyl, *see* D-00522
5,5′-Diallyl-2,2′-dihydroxybiphenyl, *see* M-00012
N^2,N^2-Diallylmelamine N^2-oxide, 7CI, *see* O-00133
▷Diallylnortoxiferine, *see* A-00105
▷Diallymal, *see* D-00119
Dialose Plus, *in* C-00107
▷Diamazo, *see* D-00117
Diamfenetide, *see* D-00141
▷Diamicron, *see* G-00037
▷Diamidine, *in* P-00086
3,3′-Diamidinocarbanilide, *see* A-00186
4,4′-Diamidinodiazoaminobenzene, *see* B-00187
4,4′-Diamidino-α,ζ-diphenoxyhexane, *see* H-00058
▷4,4′-Diamidino-2-hydroxystilbene, *see* H-00213
N,*N*′-Di(3-amidinophenyl)urea, *see* A-00186
Diamind, *see* A-00199
▷Diamine Sky Blue FF, *see* A-00532
▷3,6-Diaminoacridine, D-00120
▷2,8-Diaminoacridine (obsol.), *see* D-00120
2,4-Diamino-5-(4-amino-3,5-dimethoxybenzyl)pyrimidine, *see* A-00073
3,5-Diamino-*N*-(aminoiminomethyl)-6-chloropyrazinecarboxamide, *see* A-00198
Diaminoazobenzolsulfonamidum, *see* P-00484
2′,4-Diaminobenzanilide, *see* A-00208
2,4-Diamino-5-(4-bromo-3,5-dimethoxybenzyl)pyrimidine, *see* B-00277
2,6-Diamino-2′-butyloxy-3,5′-azopyridine, D-00121
Diaminocaine, D-00122
▷4,6-Diamino-1-(*p*-chlorophenyl)-1,2-dihydro-2,2-dimethyl-*s*-triazine, *see* C-00603
▷2,4-Diamino-5-(*p*-chlorophenyl)-6-ethylpyrimidine, *see* P-00585
2,4-Diamino-5-(*p*-chlorophenyl)-9-methyl-1,3,5-triazospiro[5,5]-undeca-1,3-diene, *see* S-00130
4,6-Diamino-1-[(3,4-dichlorobenzyl)oxy]-1,2-dihydro-2,2-dimethyl-*s*-triazine, *see* C-00442
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, D-00123
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-methylpyrimidine, D-00124
3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine, D-00125
▷*O*-2,6-Diamino-2,6-dideoxy-α-D-glucopyranosyl-(1→4)-*O*-[β-D-ribofuranosyl-(1→5)]-2-deoxy-D-streptamine, *see* R-00040
2,4-Diamino-5-(3,5-diethoxy-4-pyrrol-1-ylbenzyl)pyrimidine, *see* E-00084
▷2,2′-Diaminodiethylamine, *see* D-00245
▷2,5-Diamino-2-(difluoromethyl)pentanoic acid, D-00126
▷3,3′-Diamino-4,4′-dihydroxyarsenobenzene, *see* S-00021
3,3′-Diamino-4,4′-dihydroxyarsenobenzene-*N*,*N*′-dimethylenesulfonic acid, D-00127
▷3,3′-Diamino-4,4′-dihydroxyarsenobenzene-*N*-formaldehydesulfinic acid, *see* N-00066
2,4-Diamino-5-(3,4-dimethoxybenzyl)pyrimidine, *see* D-00147
2,4-Diamino-5-[3,5-dimethoxy-4-(methylthio)-benzyl]-pyrimidine, *see* M-00320
▷3,3′-Diaminodiphenyl sulfone, D-00128
▷4,4′-Diaminodiphenyl sulfone, D-00129
3,9-Diamino-7-ethoxyacridine, D-00130
▷2,4-Diamino-4′-ethoxyazobenzene, D-00131
▷Di(2-aminoethyl)amine, *see* D-00245
▷3,8-Diamino-5-ethyl-6-phenylphenanthridinium(1+), D-00132
▷3-[2-(Diaminomethyleneamino)-4-thiazolylmethylthio]-*N*-sulfamoylpropionamidine, *see* F-00013
N-(Diaminomethylene)-2-(2,5-dimethyl-3-pyrrolin-1-yl)-acetamide, *see* R-00075
3,8-Diamino-5-methyl-6-phenylphenanthridinium, *see* D-00460
N-[4-[[(2,4-Diamino-5-methyl-6-quinazolinyl)methyl]amino]-benzoyl]aspartic acid, *see* M-00174
2,4-Diamino-5-methyl-6[(3,4,5-trimethoxyanilino)methyl]-quinazoline, *see* T-00514
2,4-Diamino-5-(6-methylveratryl)pyrimidine, *see* O-00057
2,5-Diamino-5-oxopentanoic acid, *see* G-00060
2,5-Diaminopentanoic acid, *see* O-00059
4-[(2,4-Diaminophenyl)azo]benzenesulfonamide, *see* P-00484
▷2,6-Diamino-3-phenylazopyridine, D-00133
▷2,4-Diamino-5-phenylthiazole, D-00134
▷*N*-(Diaminophosphinyl)-4-fluorobenzamide, *see* F-00220
N-(Diaminophosphinyl)-2-methylbenzamide, *see* T-00348
N-(Diaminophosphinyl)-*o*-toluamide, *see* T-00348
3,20-Diaminopregnane, *see* P-00416
▷1,3-Diamino-2-propanol, D-00135
▷*N*[4-[[(2,4-Diamino-6-pteridinyl)methyl]amino]benzoyl]-glutamic acid, *see* A-00324
N-[4-[[(2,4-Diamino-6-pteridinyl)methyl]methylamino]-benzoyl]-4-fluoroglutamic acid, *see* F-00187
▷*N*-[4-[[2,4-Diamino-6-pteridinyl)methyl]methylamino]-benzoyl]glutamic acid, *see* M-00192
N-[4-[[(2,4-Diamino-6-quinazolinyl)methyl]amino]benzoyl]-aspartic acid diethyl ester, *see* Q-00020
3,5-Diamino-2-(*p*-sulfamoylphenylazo)benzoic acid, *see* S-00187
α,α′-Diamino-5,5′,6,6′-tetrahydroxy-3,3′-biphenyldipropanoic acid, *in* A-00248

Diamino-*s*-triazine, *see* D-00136
2,4-Diamino-1,3,5-triazine, D-00136
▷2-[4-[(4,6-Diamino-1,3,5-triazin-2-yl)amino]phenyl]-1,3,2-dithiarsolane-4,5-dicarboxylic acid, *see* M-00076
▷2-[4-[(4,6-Diamino-1,3,5-triazin-2-yl)amino]phenyl]-1,3,2-dithioarsolane-4-methanol, *see* M-00077
▷3,5-Diamino-1*H*-1,2,4-triazole, D-00137
3,5-Diamino-2,4,6-triiodobenzoic acid, D-00138
▷2,4-Diamino-5-(3,4,5-trimethoxybenzyl)pyrimidine, *see* T-00501
▷Diammine[1,1-cyclobutanedicarboxylato(2−)-*O*,*O*']-platinum, *see* C-00061
Diamminedichloroplatinum, D-00139
Diamocaine, D-00140
Diamocaine cyclamate, *in* D-00140
▷Diamorphine, *see* H-00034
▷Diamox, *see* A-00018
Diamphenethide, D-00141
▷Diampromide, D-00142
▷Diampron, *in* A-00186
Diamthazole, D-00143
Diamyceline, *in* C-00211
▷Dianabol, *see* M-00167
▷Diandrone, *in* H-00110
2,3:4,5-Dianhydro-2-*C*-[(benzoyloxy)methyl]-D-*epi*-inositol diacetate, *see* C-00568
1,4:3,6-Dianhydro-2-deoxy-2-[[3-(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxopurin-7-yl)propyl]amino]-L-iditol 5-nitrate, *see* T-00074
1,4:3,6-Dianhydroglucitol, D-00144
1,4:3,6-Dianhydro-D-glucitol 5-[methyl 1,4-dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridine carboxylate], *see* S-00105
1,4:3,6-Dianhydrosorbitol, *see* D-00144
▷Dianthine *B*, *see* E-00118
▷Diantil, *see* C-00197
▷Diapamide, *see* C-00255
▷Diaphene, *in* B-00292
▷Diaphene, *in* T-00429
▷Diaphenylsulfone, *see* D-00129
▷Diaphorin, *see* H-00034
▷Diapid, *in* V-00013
Diaquabis(*N*-ethylidenethreoninato)iron, *see* F-00091
Diarbarone, D-00145
Diaretyl, *see* M-00036
▷Diarlidan, *see* N-00126
▷4,4'-(1,2-Diarsenediyl)bis[2-aminophenol], *see* S-00021
4,4'-(1,2-Diarsenediyl)bis[2-(*N*,*N*-dimethyl)aminophenol]-hydrochloride, *in* S-00021
[1,2-Diarsenediylbis[(6-hydroxy-3,1-phenylene)imino]]-bismethanesulfonic acid, *see* D-00127
4,4'-(1,2-Diarsenediyl)bis[2-(*N*-methyl)aminophenol]-hydrochloride, *in* S-00021
Diaseptol, *in* D-00043
Diasone, *in* S-00223
Diaspasmyl, *in* P-00520
Diastase vera, *see* P-00010
Diaster, *see* C-00551
Diathal, *in* D-00303
▷Diathesin, *see* H-00116
Diathymosulfone, D-00146
Diatox, *see* D-00146
▷Diatrin, *in* M-00170
▷Diatrizoate sodium, *in* D-00138
▷Diatrizoic acid, *in* D-00138
Diaverene, *see* H-00221
Diaveridine, D-00147
7-(1,4-Diazabicyclo[3.2.2]non-4-yl)-1-ethyl-6-fluoro-1,4-dihydro-4-oxo-3-quinolinecarboxylic acid, *see* B-00169
4,6-Diaza-4,6-dibenzyl-5-oxo-1-thiatricyclo[6.3.0.0^{3,7}]undecanium, *see* T-00498
▷8,10-Diaza-6-hydroxy-5-methylene-1-(2-methyl-1,2,3-trihydroxypropyl)-2-oxabicyclo[4.2.2]decane-7,9-dione, *see* B-00158
Diazamycin *A*, *in* A-00238
▷Diazamycin *B*, *see* A-00531
▷Diazamycin *C*, *see* A-00095
Diazasterol, *see* A-00495
Diazebrum, *in* C-00200
▷Diazepam, D-00148
Diazephonate, *in* C-00200
▷Diazinon, D-00149
▷Diaziquone, D-00150
▷Diazitol, *see* D-00149
▷*O*-Diazoacetylserine, *see* A-00509
4,4'-(Diazoamino)dibenzamidine, *see* B-00187
▷6-Diazo-*N*-(6-diazo-*N*-L-γ-glutamyl-5-oxo-L-norleuyl)-5-oxo-L-norleucine, *see* A-00531
▷Diazol, *see* D-00117
Diazoline, *in* M-00035
Diazone, *in* S-00223
▷6-Diazo-5-oxonorleucine, *see* A-00238
▷5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione, D-00151
▷5-Diazouracil, *see* D-00151
▷Diazoxide, D-00152
▷Dibasin, *see* P-00175
Dibatod, D-00153
Dibazol, *in* B-00107
▷Dibekacin, D-00154
Dibemethine, *see* M-00244
▷Dibenyline, *see* P-00170
5*H*-Dibenz[*b*,*f*]azepine, D-00155
4-[3-(5*H*-Dibenz[*b*,*f*]azepin-5-yl)propyl]hexahydro-1*H*-1,4-diazepine-1-ethanol, *see* H-00085
▷4-[3-(5*H*-Dibenz[*b*,*f*]azepin-5-yl)propyl]-1-piperazineethanol, *see* O-00052
▷5*H*-Dibenz[b,f]azepine-5-carboxamide, *in* D-00155
▷Dibenzepin, D-00156
▷Dibenzepin hydrochloride, *in* D-00156
Dibenzheptropine, *see* D-00087
▷Dibenzheptropine citrate, *in* D-00087
Dibenziodolium, D-00157
Dibenzo[*a*,*d*]cycloheptadiene-5-carboxylic acid, *see* D-00282
▷4-(5-Dibenzo[*a*,*e*]cycloheptatrienylidene)-1-methylpiperidine, *see* C-00648
5*H*-Dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid, D-00158
5*H*-Dibenzo[*a*,*d*]cyclohepten-5-one *O*-[2-(methylamino)ethyl]-oxime, *see* D-00067
4-(5*H*-Dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-2-butyn-1-amine, *see* I-00088
▷3-(5*H*-Dibenzo[*a*,*d*]-cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* C-00597
▷4-(5*H*-Dibenzo[*a*,*d*]cyclohepten-5-ylidene)-1-methylpiperidine, *see* C-00648
3-(5*H*-Dibenzo[*a*,*d*]cyclohepten-5-yloxy)tropane, *see* D-00038
Dibenzo[*b*,*f*]thiepin-3-methanol, *see* H-00159
▷3-Dibenzo[*b*,*e*]thiepin-11(6*H*)-ylidene-*N*,*N*-dimethyl-1-propanamine, *see* D-00588
3-Dibenzo[*b*,*e*]thiepin-11(6*H*)-ylidene-8-methyl-8-azabicyclo[3.2.1]octane, *see* T-00550
3-Dibenzo[*b*,*e*]thiepin-11(6*H*)-ylidenetropane, *see* T-00550
Dibenzothioline, D-00159
Dibenzothiophene, D-00160
▷3-Dibenz[*b*,*e*]oxepin-11(6*H*)-ylidene-*N*,*N*-dimethyl-1-propanamine, *see* D-00594
Dibenzoxin, *see* N-00229
▷Dibenzoyl peroxide, D-00161
2,3-Di-*O*-benzoyltartaric acid, *in* T-00028
Dibenzoylthiamine, *see* B-00067
Dibenzthione, *see* S-00183
1,3-Dibenzyldecahydro-2-oxothieno[1',2':1,2]thieno[3,4-*d*]-imidazol-5-ium, *see* T-00498
1,3:2,4-Di-*O*-benzylideneerythritol, *in* E-00114
1,3:2,4-Di-*O*-benzylidene-D-glucitol, *in* G-00054
2,3:4,5-Di-*O*-benzylidene-D-glucitol, *in* G-00054
1,2:3,4-Di-*O*-benzylidene-D-threitol, *in* T-00219
1,2:3,4-Di-*O*-benzylidene-DL-threitol, *in* T-00219
1,2:3,4-Di-*O*-benzylidene-L-threitol, *in* T-00219
1,2:3,5-Di-*O*-benzylidene-α-D-xylofuranose, *in* X-00024
▷Dibenzyline, *see* P-00170

Dibenzylmethylamine, *see* M-00244
3,4-Dibenzyloxybenzaldehyde, *in* D-00311
3,5-Dibenzyltetrahydro-2*H*-1,3,5-thiadiazine-2-thione, *see* S-00183
▷Dibenzyran, *see* P-00170
▷Dibilan, *in* B-00353
Dibiomycin, *in* A-00476
▷Dibotin, *in* P-00154
▷Dibromidulcitol, *see* D-00163
3,5-Dibromo-*N*-(*p*-bromobenzyl)salicylamide, *see* B-00063
▷3,5-Dibromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, *see* T-00429
3,5-Dibromo-*N*-[(4-bromophenyl)methyl]-2-hydroxybenzamide, *see* B-00063
5,6-Dibromocholestan-3-ol, D-00162
2,4-Dibromo-6-cyanophenol, *in* D-00165
3,5-Dibromo-N^{α}-cyclohexyl-N^{α}-methyltoluene-α,2-diamine, *see* B-00289
▷1,6-Dibromo-1,6-dideoxygalactitol, D-00163
1,6-Dibromo-1,6-dideoxy-3,4-*O*-isopropylidene-D-mannitol, *in* D-00164
1,6-Dibromo-1,6-dideoxymannitol, D-00164
(2′,7′-Dibromo-3′,6′-dihydroxy-3-oxospiro[isobenzofuran-1(3*H*)-9′[9*H*]xanthen]-4′-yl)hydroxymercury, *see* M-00113
1,2-Dibromo-1-ethoxyethane, *in* E-00225
3,5-Dibromo-2-hydroxybenzoic acid, D-00165
3,5-Dibromo-2-hydroxybenzonitrile, *in* D-00165
2,4-Dibromo-6-[[(4-hydroxycyclohexyl)amino]methyl]phenol, *see* D-00060
2,2-Dibromo-*N*-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide, *see* B-00284
2,7-Dibromo-4-hydroxymercurifluorescein, *see* M-00113
5,7-Dibromo-8-hydroxy-2-methylquinoline, D-00166
3,5-Dibromo-2-hydroxy-*N*-phenylbenzamide, *in* D-00165
▷3,5-Dibromo-4-hydroxyphenyl 2-ethyl-3-benzofuranyl ketone, *see* B-00072
▷(3,5-Dibromo-4-hydroxyphenyl)(2-ethyl-3-benzofuranyl)-methanone, *see* B-00072
5,7-Dibromo-8-hydroxyquinaldine, *see* D-00166
▷5,7-Dibromo-8-hydroxyquinoline, D-00167
3,5-Dibromo-2-hydroxy-*N*-[(tetrahydro-2-furanyl)methyl]-benzamide, *see* F-00298
3,5-Dibromo-2-hydroxy-*N*-[3-(trifluoromethyl)phenyl]-benzamide, *see* F-00191
2-[[(6,8-Dibromo-9*H*-indeno[2,1-*d*]pyrimidin-9-ylidene)-amino]-oxy]-*N*-[2-(dimethylamino)ethyl]propanamide, *see* B-00272
3,5-Dibromo-2-methoxybenzoic acid, *in* D-00165
5,7-Dibromo-8-methoxyquinoline, *in* D-00167
5,7-Dibromo-2-methyl-8-quinolinol, *see* D-00166
N-[2,4-Dibromo-6-[(methyltricyclo[3.3.1.1.^{3,7}]dec-1-ylamino)-methyl]phenyl]acetamide, *see* A-00065
3,5-Dibromo-*o*-phenetidine, *in* A-00239
Dibromopropamidine isethionate, *in* D-00168
▷Dibromoquin, *see* D-00167
▷5,7-Dibromo-8-quinolinol, *see* D-00167
4-[(3,5-Dibromosalicyl)amino]cyclohexanol, *see* D-00060
3,5-Dibromosalicylanilide, *in* D-00165
▷4′,5-Dibromosalicylanilide, *see* B-00292
3,5-Dibromosalicylic acid, *see* D-00165
3,5-Dibromo-*N*-(tetrahydrofurfuryl)salicylamide, *see* F-00298
3,5-Dibromo-3′-trifluoromethylsalicylanilide, *see* F-00191
3,5-Dibromo-α,α,α-trifluoro-*m*-salicylotoluidide, *see* F-00191
Dibrompropamidine, D-00168
▷Dibromsalan, *see* B-00292
Dibrospidium (2+), D-00169
Dibrospidium chloride, *in* D-00169
▷Dibucaine, *see* C-00357
▷Dibucaine hydrochloride, *in* C-00357
Dibuline, *see* D-00171
Dibunate sodium, *in* D-00173
▷Dibuprol, *see* D-00172
Dibupyrone, D-00170
Dibusadol, *in* H-00112
▷Dibutamide, *see* A-00173
Dibutoline(1+), D-00171
▷1,3-Dibutoxy-2-propanol, D-00172
5-[[2-(Dibutylamino)ethyl]amino]-3-phenyl-1,2,4-oxadiazole, *see* B-00385
▷α-(Dibutylamino)-4-methoxybenzeneacetamide, *see* A-00173
▷3-(Dibutylamino)-1-propanol 4-aminobenzoate, *see* B-00381
2-[4-[3-(Dibutylamino)propoxy]-3,5-dimethylbenzoyl]chromone, *see* B-00342
[4-[3-(Dibutylamino)propoxy]phenyl](2-ethyl-3-indolizinyl)-methanone, *see* B-00415
(2-Dibutylcarbamoyloxyethyl)ethyldimethylammonium, *see* D-00171
6,8-Di-*tert*-butylchromone-2-carboxylic acid, *see* T-00082
1,3-Dibutyl-3,7-dihydro-7-(2-oxopropyl)-1*H*-purine-2,6-dione, *see* D-00072
▷1,3-Di-*O*-butylglycerol, *see* D-00172
N,*N*-Dibutyl-4-(hexyloxy)-1-naphthalenecarboximidamide, *see* B-00359
N,*N*-Dibutyl-4-hexyloxy-1-naphthamidine, *see* B-00359
▷Dibutylimolamine hydrochloride, *in* B-00385
3,6-Di-*tert*-butyl-1-naphthalenesulfonic acid, D-00173
N,*N*-Dibutyl-*N*′-(3-phenyl-1,2,4-oxadiazol-5-yl)-1,2-ethanediamine, *see* B-00385
4-[3-(3,5-Di-*tert*-butylphenyl)-3-oxo-1-propenyl]benzoic acid, D-00174
▷Dibutyrylcyclic AMP, *in* C-00591
▷DICA, *see* L-00086
▷Dicain, *in* T-00104
▷Dicarbam, *in* M-00238
▷*S*-(1,2-Dicarbethoxyethyl) *O*,*O*-dimethyl dithiophosphate, *see* M-00013
Dicarbine, D-00175
2,3-Dicarboxy-1,1-propanediphosphonic acid, *see* B-00397
N,*N*′-Di(3-carboxy-2,4,6-triiodophenyl)adipamide, *see* I-00097
Dicarfen, *see* D-00235
▷Dicasten, *in* F-00081
▷Dicestral, *see* D-00198
▷Dicetal, *in* P-00267
Dicetamin, *in* T-00174
▷Dicetel, *in* P-00267
Dicethiamine hydrochloride, *in* T-00174
▷Dichlofenthion, D-00176
▷Dichlone, *see* D-00195
▷Dichloralphenazone, *in* T-00433
Dichloramine-*T*, *see* D-00191
▷Dichloran, *see* D-00196
Dichlorisone, D-00177
Dichlorisone acetate, *in* D-00177
▷Dichlormethazanone, *see* D-00178
▷Dichlormezanone, D-00178
▷2-Dichloroacetamido-1-*p*-nitrophenyl-1,3-propanediol, *see* C-00195
1-(Dichloroacetyl)-1,2,3,4-tetrahydro-6-quinolinyl 2-furancarboxylate, *see* Q-00023
▷4-[(Dichloroamino)sulfonyl]benzoic acid, D-00179
[2-(2,6-Dichloroanilino)ethyl]guanidine, *see* G-00101
2-(2,6-Dichloroanilino)-2-imidazoline, *see* C-00477
2-(2,3-Dichloroanilino)nicotinic acid, *in* A-00326
4-(2,6-Dichloroanilino)-3-thiopheneacetic acid, *see* D-00200
2,6-Dichlorobenzaldehyde(4-amino-4*H*-1,2,4-triazol-3-yl)-hydrazone, *see* N-00056
[*o*-(3,4-Dichlorobenzamido)phenoxy]acetic acid, *see* C-00406
▷4,5-Dichloro-1,3-benzenedisulfonamide, *see* D-00206
S-[(5,7-Dichlorobenzoxazol-2-yl)methyl] *O*,*O*-diethyl-phosphorodithioate, *see* B-00058
4-[(3,4-Dichlorobenzoyl)amino]-5-(dipentylamino)-5-oxopentanoic acid, *see* L-00096
4-[(3,4-Dichlorobenzoyl)amino]-5-[(3-methoxypropyl)-pentylamino]-5-oxopentanoic acid, *see* L-00107
[2-[(3,4-Dichlorobenzoyl)amino]phenoxy]acetic acid, *see* C-00406
▷*N*-2,4-Dichlorobenzyl-*N*-2-hydroxyethyldichloroacetamide, *see* C-00197

[(2,6-Dichlorobenzylidene)amino]guanidine, *see* G-00098

▷1-[2,4-Dichloro-β-[(*p*-chlorobenzyl)oxy]phenethyl]imidazole, *see* E-00009

2,2-Dichloro-*N*-[*p*-chloro-α-(chloromethyl)phenacyl]acetamide, *see* C-00488

1-[2,4-Dichloro-β-[2-*p*-chlorophenoxy)ethoxy]-α-methylstyryl]-imidazole, *see* O-00046

1-[2,4-Dichloro-β-[2-(*p*-chlorophenoxy)ethoxy]styryl]imidazole, *see* D-00068

1-[2,4-Dichloro-β-[3-(*p*-chlorophenoxy)propoxy]phenethyl]-1*H*-imidazole, *see* Z-00026

▷1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane, D-00180

1-[2,4-Dichloro-β-(*p*-chlorophenyl)cinnamyl]imidazole, *see* A-00117

2,6-Dichloro-α-(4-chlorophenyl)-4-(4,5-dihydro-3,5-dioxo-1,2,4-triazin-2(3*H*)-yl)benzeneacetonitrile, *see* D-00209

2,7-Dichloro-9-[(4-chlorophenyl)methylene]-α-[(dibutylamino)-methyl]-9*H*-fluorene-4-methanol, *see* F-00178

▷α,3-Dichloro-4-cyclohexylbenzeneacetic acid, *see* F-00042

6,7-Dichloro-3-(3-cyclopenten-1-yl)-2*H*-1,2,4-benzothiadiazine 1,1-dioxide, *see* P-00047

▷2-[4-(2,2-Dichlorocyclopropyl)phenoxy]-2-methylpropanoic acid, *see* C-00389

N,*N*″-Dichlorodiazenedicarboximidamide, D-00181

1,3-Dichloro-α-[2-(dibutylamino)ethyl]-6-(trifluoromethyl)-9-phenanthrenemethanol, *see* H-00007

β,4-Dichloro-α-(dichloroacetamido)propiophenone, *see* C-00488

1-[2,4-Dichloro-β-(2,4-dichlorobenzyloxy)phenethyl]-3-(*p*-fluorobenzoylmethyl)imidazolium, *see* F-00143

▷1-[2,4-Dichloro-β-[(2,4-dichlorobenzyl)oxy]phenethyl]imidazole, *see* M-00363

1-[2,4-Dichloro-β-[(2,6-dichlorobenzyl)oxy]phenethyl]imidazole, *see* I-00183

▷2,2-Dichloro-*N*-[(2,4-dichlorophenyl)methyl]-*N*-(2-hydroxyethyl)acetamide, *see* C-00197

9,11-Dichloro-21-[[(dicyclohexylmethoxy)carbonyl]oxy]-16-methylpregna-1,4-diene-3,20-dione, *see* L-00068

3,5-Dichloro-*N*-[2-(diethylamino)ethyl]-*o*-anisamide, *see* D-00213

3,5-Dichloro-*N*-[2-(diethylamino)ethyl]-2-methoxybenzamide, *see* D-00213

4,5-Dichloro-2,2-difluoro-1,3-dioxolane, D-00182

▷2,2-Dichloro-1,1-difluoroethyl methyl ether, *see* D-00183

2,2-Dichloro-1,1-difluoroethyl methyl sulfide, *see* D-00184

▷2,2-Dichloro-1,1-difluoro-1-methoxyethane, D-00183

9,11β-Dichloro-6α,21-difluoro-16α,17-[(methylethylidene)-bis-(oxy)]pregna-1,4-diene-3,20-dione, *see* T-00394

2,2-Dichloro-1,1-difluoro-1-(methylthio)ethane, D-00184

2,6-Dichloro-*N*′-(4,5-dihydro-1*H*-imidazol-2-yl)-1,4-benzenediamine, *see* A-00427

6,7-Dichloro-3,5-dihydroimidazo[2,1-*b*]quinazolin-2(1*H*)-one, *see* A-00376

(4,7-Dichloro-1,3-dihydro-2*H*-isoindol-2-yl)guanidine, *see* A-00083

1,11-Dichloro-12,13-dihydro-12-(4-*O*-methyl-β-D-glucopyranosyl)-5*H*-indolo[2,3-*a*]pyrrolo[3,4-*c*]carbazole-5,7(6*H*)-dione, *see* R-00017

(6,7-Dichloro-2,3-dihydro-2-methyl-1-oxo-2-phenyl-1*H*-inden-5-yl)acetic acid, *see* I-00049

6,7-Dichloro-2,3-dihydro-5-(2-thienylcarbonyl)-2-benzofurancarboxylic acid, D-00185

▷*ab*-Dichloro-*ce*-dihydroxy-*df*-bis(isopropylamine)platinum, *see* I-00162

▷Dichlorodihydroxybis(2-propanamine)platinum, *see* I-00162

3,3′-Dichloro-6,6′-dihydroxy-5,5′-diisopropyl-2,2′-dimethyldiphenylmethane, *see* B-00155

3,5′-Dichloro-2,2′-dihydroxy-3′,5-dinitrodiphenylmethane, *see* N-00174

▷5,5′-Dichloro-2,2′-dihydroxydiphenyl sulfide, *see* T-00194

9,11β-Dichloro-17,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* M-00049

9,21-Dichloro-11,17-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, *see* M-00426

9α,11β-Dichloro-17α,21-dihydroxypregna-1,4-diene-3,20-dione, *see* D-00177

▷2,4-Dichloro-3,5-dimethylphenol, D-00186

▷3,5-Dichloro-2,6-dimethyl-4-pyridinol, *see* D-00187

▷3,5-Dichloro-2,6-dimethyl-4(1*H*)-pyridinone, D-00187

▷4,4′-Dichloro-6,6-dinitro-*o*,*o*′-biphenol, *see* N-00092

▷5,5′-Dichloro-3,3-dinitro[1,1′-biphenyl]-2,2′-diol, *see* N-00092

4,6′-Dichloro-4′,6-dinitro-2,2′-methylenediphenol, *see* N-00174

2′,3′-Dichlorodiphenylamine-2-carboxylic acid, D-00188

3-(2,2-Dichloroethenyl)-2,2-dimethylcyclopropanecarboxylic acid (pentafluorophenyl)methyl ester, *see* F-00051

▷*O*-(2,2-Dichloroethenyl) *O*,*O*-dimethyl phosphate, *see* D-00207

2,3-Dichloroethenyl methyl octyl phosphate, *see* D-00205

2,2-Dichloro-*N*-(2-ethoxyethyl)-*N*-[[4-(4-nitrophenoxy)-phenyl]-methyl]acetamide, *see* E-00247

▷2-[Di(2-chloroethyl)amino]-1-oxa-3-aza-2-phosphacyclohexane 2-oxide, *see* C-00634

3,5-Dichloro-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-2-hydroxy-6-methoxybenzamide, *see* R-00002

3,5-Dichloro-*N*-(1-ethylpyrrolidin-2-ylmethyl)-6-methoxy-salicylamide, *see* R-00002

9,11β-Dichloro-6α-fluoro-21-hydroxy-16α,17-[(1-methyl-ethylidene)bis(oxy)]-pregna-1,4-diene-3,20-dione, *see* F-00138

2,2-Dichloro-*N*-[1-(fluoromethyl)-2-hydroxy-2-[4-(methyl-sulfonyl)phenyl]ethyl]acetamide, *see* F-00124

3,5-Dichloro-4′-fluorothiocarbanilide, *see* L-00076

▷3,5-Dichloro-4-hydroxy-2,6-dimethylpyridine, *see* D-00187

2,2-Dichloro-*N*-(2-hydroxyethyl)-*N*-[*p*-(*p*-nitrophenoxy)-benzyl]acetamide, *see* C-00415

2,2-Dichloro-*N*-(2-hydroxyethyl)-*N*-[[4-(4-nitrophenoxy)-phenyl]methyl]acetamide, *see* C-00415

2,2-Dichloro-*N*-[2-hydroxy-1-(hydroxymethyl)-2-[4-(methyl-sulfonyl)phenyl]ethyl]acetamide, *see* T-00179

▷2,2-Dichloro-*N*-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitro-phenyl)ethyl]acetamide, *see* C-00195

2,2-Dichloro-4′-hydroxy-*N*-methylacetanilide, *see* D-00372

▷5,7-Dichloro-8-hydroxy-2-methylquinoline, D-00189

▷3,2′-Dichloro-6-hydroxy-4′-nitrobenzanilide, *see* N-00093

2,2-Dichloro-*N*-(4-hydroxyphenyl)-*N*-methylacetamide, *see* D-00372

▷Di(5-chloro-2-hydroxyphenyl) sulfide, *see* T-00194

5,7-Dichloro-8-hydroxyquinoline, D-00190

2,6-Dichloro-*N*-2-imidazolidinylidenebenzenamine, *see* C-00477

2′,4′-Dichloro-2-imidazol-1-ylacetophenone *O*-(2,4-dichlorobenzyl)oxime, *see* O-00111

▷*O*-(2,5-Dichloro-4-iodophenyl) *O*,*O*-dimethyl phosphorothioate, *see* I-00104

▷Dichloroisocyanuric acid, *see* D-00203

Dichloromethanediphosphonic acid, *see* D-00194

(2,3-Dichloro-4-methoxyphenyl)-2-furanylmethanone-D-[2-(diethylamino)ethyl]oximine, *see* D-00212

2,3-Dichloro-4-methoxyphenyl 2-furyl ketone *O*-[2-(diethyl-amino)ethyl]oxime, *see* D-00212

N,*N*-Dichloro-4-methylbenzenesulfonamide, D-00191

2,10-Dichloro-12-methyl-12*H*-dibenzo[*d*,*g*][1,3]dioxocin-6-carboxylic acid, D-00192

▷2,2′-Dichloro-*N*-methyldiethylamine, D-00193

Dichloromethylenebisphosphonic acid, D-00194

▷[2,3-Dichloro-4-(2-methylenebutyryl)phenoxy]acetic acid, *see* E-00145

▷[2,3-Dichloro-4-(2-methylene-1-oxobutyl)phenoxy]acetic acid, *see* E-00145

▷2-[(2,6-Dichloro-3-methylphenyl)amino]benzoic acid, *see* M-00045

2′,4′-Dichloro-β-methyl-1-piperidinepropionanilide, *see* C-00423

3,4-Dichloro-*N*-methyl-*N*-[7-(1-pyrrolidinyl)-1-oxaspiro[4.5]dec-8-yl]benzeneacetamide, *see* S-00116

▷5,7-Dichloro-2-methyl-8-quinolinol, *see* D-00189

▷2,3-Dichloro-1,4-naphthalenedione, *see* D-00195

▷2,3-Dichloro-1,4-naphthoquinone, D-00195
▷2,6-Dichloro-4-nitroaniline, D-00196
▷2,6-Dichloro-4-nitrobenzenamine, *see* D-00196
2,3-Dichloro-4-nitro-1*H*-pyrrole, D-00197
▷2′,5-Dichloro-4′-nitrosalicylanilide, *see* N-00093
▷Dichlorophen, D-00198
Dichlorophenarsine, *see* A-00270
▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199
1-(2,5-Dichlorophenoxy)-3-[(1,1-dimethylethyl)amino]-2-propanol, *see* C-00493
[2-(2,6-Dichlorophenoxy)ethyl]aminoguanidine, *see* G-00114
2-[1-(2,6-Dichlorophenoxy)ethyl]-4,5-dihydro-1*H*-imidazole, *see* L-00075
2-[2-(2,6-Dichlorophenoxy)ethyl]hydrazinecarboximidamide, *see* G-00114
2-[(2,6-Dichlorophenoxy)ethyl]-2-imidazoline, *see* L-00075
2-(2,4-Dichlorophenoxy)-1-(1*H*-imidazol-1-yl)-4,4-dimethyl-3-pentanone, *see* V-00002
2-[(3,4-Dichlorophenoxy)methyl]-4,5-dihydro-1*H*-imidazole, *see* F-00058
[(2,4-Dichlorophenoxy)methyl]dimethyloctylammonium(1+), *see* C-00293
2-[(3,4-Dichlorophenoxy)methyl]-2-imidazoline, *see* F-00058
N-[3-(2,4-Dichlorophenoxy)propyl]-*N*-methyl-2-propyn-1-amine, *see* C-00496
▷2-[(2,6-Dichlorophenyl)amino]benzeneacetic acid, *see* D-00210
2-[(2,3-Dichlorophenyl)amino]benzoic acid, *see* D-00188
[2-[(2,6-Dichlorophenyl)amino]ethyl]guanidine, *see* G-00101
[[(2,6-Dichlorophenyl)amino]iminomethyl]urea, *see* B-00153
2-[(2,3-Dichlorophenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
2-[(3,4-Dichlorophenyl)amino]quinolizinium, *see* N-00199
4-[(2,6-Dichlorophenyl)amino]-3-thiopheneacetic acid, D-00200
N-(2,3-Dichlorophenyl)anthranilic acid, *see* D-00188
1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]-ethyl-3-[2(4-fluorophenyl)-2-oxoethyl]-1*H*-imidazolium, *see* F-00143
▷1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]-ethyl]-1*H*-imidazole, *see* M-00363
1-[2-(2,4-Dichlorophenyl)-2-[(2,6-dichlorophenyl)methoxy]-ethyl]-1*H*-imidazole, *see* I-00183
1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]-ethyl]-3-(2-phenylethyl)-1*H*-imidazolium, *see* S-00043
▷*O*-2,4-Dichlorophenyl *O,O*-diethyl phosphorothioate, *see* D-00176
4-(2,3-Dichlorophenyl)-1,4-dihydro-2,6-dimethyl-5-(1,3,4-oxadiazol-2-yl)-3-pyridinecarboxylic acid 1-methylethyl ester, *see* E-00029
N-(2,6-Dichlorophenyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* C-00477
6-(2,3-Dichlorophenyl)-2,5-dihydro-5-imino-2-(1-methylethyl)-1,2,4-triazin-3-amine, *see* P-00004
3-(3,4-Dichlorophenyl)-2,3-dihydro-*N*-methyl-1*H*-inden-1-amine, *see* I-00053
N-(2,6-Dichlorophenyl)-4,5-dihydro-5-oxazolamine, *see* C-00424
N-(2,6-Dichlorophenyl)-4,5-dihydro-*N*-(tetrahydro-2*H*-pyran-2-yl)-1*H*-imidazol-2-amine, *see* P-00234
N-(3,4-Dichlorophenyl)-*N*-[2-(dimethylamino)cyclopentyl]-poropanamide, *see* E-00007
1-[[2-(2,4-Dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1*H*-1,2,4-triazole, *see* A-00494
▷5-(3,4-Dichlorophenyl)-6-ethyl-2,4-pyrimidinediamine, *see* D-00123
3-(2,6-Dichlorophenyl)-2-ethyl-4(3*H*)-quinazolinone, *see* C-00500
N-(3,5-Dichlorophenyl)-*N*′-(4-fluorophenyl)thiourea, *see* L-00076
1-[[[5-(3,4-Dichlorophenyl)-2-furanyl]methylene]amino]-2,4-imidazolidinedione, *see* C-00447
1-[[5-(3,4-Dichlorophenyl)furfurylidene]amino]hydantoin, *see* C-00447
1-(2,4-Dichlorophenyl)-2-1*H*-imidazol-1-yl)ethanone *O*-[(2,4-dichlorophenyl)methyl]oxime, *see* O-00111
1-(3,4-Dichlorophenyl)-5-isopropylbiguanide, *see* C-00297
1-[(3,4-Dichlorophenyl)methoxy]-1,6-dihydro-6,6-dimethyl-1,3,5-triazine-2,4-diamine, *see* C-00442
3-(3,4-Dichlorophenyl)-1-(methylamino)indene, *see* I-00053
2-[(2,6-Dichlorophenyl)methylene]hydrazinecarboximidamide, *see* G-00098
2-(3,4-Dichlorophenyl)-3-[(1-methylethyl)amino]-bicyclo[2.2.2]-octan-2-ol, *see* C-00344
N-(3,4-Dichlorophenyl)-*N*′-(1-methylethyl)-imidodicarbonimidic diamide, *see* C-00297
▷1-[(2,4-Dichlorophenyl)methyl]-1*H*-indazole-3-carboxylic acid, *see* L-00086
▷3-(2,6-Dichlorophenyl)-5-methyl-4-isoxazolylpenicillin, *see* D-00214
N-(2,4-Dichlorophenyl)-β-methyl-1-piperidinepropanamide, *see* C-00423
▷5-(3,4-Dichlorophenyl)-6-methyl-2,4-pyrimidinediamine, *see* D-00124
2-[(2,4-Dichlorophenyl)methyl]-4-(1,1,3,3-tetramethylbutyl)-phenol, *see* C-00461
▷1-[2-(2,4-Dichlorophenyl)-2-[[4-(phenylthio)phenyl]-methoxy]-ethyl-1*H*-imidazole, *see* F-00080
N-[3-[4-(2,5-Dichlorophenyl)-1-piperazinyl]propyl]acetamide, *see* A-00004
▷1-[2-(2,4-Dichlorophenyl)-2-(2-propenyloxy)ethyl]-1*H*-imidazole, *see* I-00025
1-[[2-(2,4-Dichlorophenyl)-4-[(2-propynyloxy)methyl]-1,3-dioxolan-2-yl]methyl]-1*H*-imidazole, *see* P-00033
1-[6-(2,4-Dichlorophenyl)-3-pyridazinyl]-4-piperidinol, *see* E-00046
4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-7-methoxy-2-methylisoquinoline, *see* D-00211
4-(3,4-Dichlorophenyl)-1,2,3,4-tetrahydro-*N*-methyl-1-naphthalenamine, *see* S-00052
▷2-(3,4-Dichlorophenyl)tetrahydro-3-methyl-4*H*-1,3-thiazin-4-one 1,1-dioxide, *see* D-00178
α-(2,4-Dichlorophenyl)-4-(1,1,3,3-tetramethylbutyl)-*o*-cresol, *see* C-00461
6-(2,3-Dichlorophenyl)-1,2,4-triazine-3,5-diamine, *see* D-00125
6-(2,5-Dichlorophenyl)-1,3,5-triazine-2,4-diamine, *see* I-00173
1-[4-[[2-(2,4-Dichlorophenyl)-2-(1*H*-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]-methoxy]phenyl]-4-(1-methylethyl)-piperazine, *see* T-00086
▷Dichlorophos, *see* D-00207
2′,4′-Dichloro-β-piperidinobutyranilide, *see* C-00423
▷3,5-Dichloropyridine, D-00201
5,7-Dichloro-8-quinolinol, *see* D-00190
▷*p*-(Dichlorosulfamoyl)benzoic acid, *see* D-00179
▷*N*-Dichloro-4-sulfonamidobenzoic acid, *see* D-00179
▷1,2-Dichloro-1,1,2,2-tetrafluoroethane, D-00202
2-[2,6-Dichloro-*N*-(tetrahydro-2*H*-pyran-2-yl)anilino]-2-imidazoline, *see* P-00234
▷[2,3-Dichloro-4-(2-thienylcarbonyl)phenoxy]acetic acid, *see* T-00258
N,N-Dichloro-*p*-toluenesulphonamide, *see* D-00191
▷1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, D-00203
3,4-Dichloro-α-(trichloromethyl)benzenemethanol, *see* D-00204
3,4-Dichloro-α-(trichloromethyl)benzyl alcohol, D-00204
4,4′-Dichloro-3-(trifluoromethyl)carbanilide, *see* C-00458
N,N-Dichlorourethane, *in* E-00177
▷2,2-Dichlorovinyl dimethyl phosphate, *see* D-00207
2,2-Dichlorovinyl methyl octyl phosphate, D-00205
▷Dichloroxylenol, *see* D-00186
▷2,4-Dichloro-3,5-xylenol, *see* D-00186
▷Dichlorphenamide, D-00206
▷Dichlorvos, D-00207
Dichroine *B*, *see* F-00023
β-Dichroine, *see* F-00023
γ-Dichroine, *see* F-00023
Diciferron, *see* T-00509

Dicirenone, D-00208
Diclazuril, D-00209
▷Diclocil, *in* D-00214
▷Diclofenac, D-00210
▷Diclofenac sodium, *in* D-00210
▷Diclofenamide, *see* D-00206
Diclofensine, D-00211
▷Diclofibrate, *see* S-00074
Diclofurazol, *in* D-00372
Diclofurime, D-00212
Diclometide, D-00213
▷Diclondazolic acid, *see* L-00086
▷Diclonina, *in* D-00623
Diclonium, *see* N-00199
Diclonixin, *in* A-00326
Diclonor, *see* D-00618
▷Dicloralurea, *see* B-00238
▷Diclorpenol, *see* B-00200
▷Dicloxacillin, D-00214
▷Dicloxacillin sodium, *in* D-00214
▷Dicoferin, *see* N-00126
Dicolinium(2+), D-00215
▷Dicolinium iodide, *in* D-00215
Diconal, *see* D-00509
▷Dicoumarin, *see* M-00251
▷Dicoumarol, *see* M-00251
Dicoumoxyl, *see* C-00573
Dicresulene, D-00216
▷Dicromil, *in* D-00099
▷Dicrotalic acid, *see* H-00170
Dictyodiamine, *in* P-00416
Dictyophlebine, *in* P-00416
▷Dicumacyl, *in* B-00219
Dicumoxane, *see* C-00573
▷Dicuprene, *in* B-00223
Dicurone, *see* G-00059
▷(*E*)-1,2-Dicyanoethylene, *in* F-00274
1,7-Dicyanoheptane, *in* N-00203
2-(2,2-Dicyclohexylethyl)piperidine, *see* P-00120
1,2:5,6-Di-*O*-cyclohexylidene-*myo*-inositol, *in* I-00074
2-(2,2-Dicyclohexylvinyl)piperidine, D-00217
Dicyclomine, D-00218
▷Dicyclomine hydrochloride, *in* D-00218
2-Dicyclopentylacetoxyethyltriethylammonium, *see* D-00480
N-[2-[(Dicyclopentylacetyl)oxy]ethyl]-*N*,*N*-diethyl-1-octanaminium, *see* P-00073
2-[(Dicyclopentylacetyl)oxy]-*N*,*N*,*N*-triethylethanaminium, *see* D-00480
2-[(Dicyclopropylmethyl)amino]-2-oxazoline, *see* R-00052
N-(Dicyclopropylmethyl)-4,5-dihydro-2-oxazolamine, *see* R-00052
Dicycloverine, *see* D-00218
▷Dicynene, *in* D-00313
▷Didakene, *see* T-00106
▷Didandin, *see* D-00483
1′,4-Didehydro-1-deoxy-1,4-dihydro-5′-(2-methylpropyl)-1-oxorifamycin XIV, *see* R-00044
3′,4′-Didehydro-4′-deoxy-*C*′-norvincaleukoblastine, *see* V-00041
▷9,10-Didehydro-*N*,*N*-diethyl-6-methylergoline-8β-carboxamide, *see* L-00122
(6,7-Didehydro-*N*,4-dimethyl-L-2-aminooctanoic acid)-cyclosporin *A*, *in* C-00638
6-(6,7-Didehydro-*N*,4-dimethyl-L-2-aminooctanoic acid)-7-L-valinecyclosporin *A*, *in* C-00638
17,18-Didehydroeburnamenine-14-methanol 3,4,5-trimethoxybenzoate, *see* V-00040
6,7-Didehydro-4,5-epoxy-6,17-dimethylmorphinan-3-ol, *see* M-00243
7,8-Didehydro-4,5-epoxy-3-hydroxy-17-methyl-14-(pentylamino)morphinan-6-one, *see* P-00087
▷7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol, *see* C-00525
▷6,7-Didehydro-4,5α-epoxy-3-methoxy-17-methylmorphinan-6-ol acetate, *see* T-00161
▷7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-ol 3-pyridinecarboxylate, *see* N-00095
7,8-Didehydro-4,5-epoxy-3-methoxy-17-methylmorphinan-6-one, *see* C-00526
▷7,8-Didehydro-4,5-epoxy-3-methoxymorphinan-6-ol, *in* N-00222
▷7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol, *see* M-00449
▷7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol diacetate, *see* H-00034
▷(5α,6α)-7,8-Didehydro-4,5-epoxy-17-methylmorphinan-3,6-diol di-3-pyridinecarboxylate, *see* N-00101
▷7,8-Didehydro-4,5α-epoxy-17-methyl-3-(2-morpholinoethoxy)-morphinan-6α-ol, *see* P-00212
7,8-Didehydro-4,5-epoxy-17-methyl-3-(phenylmethoxy)-morphinan-6-ol tetradecanoate ester, *see* M-00477
▷7,8-Didehydro-4,5-epoxymorphinan-3,6-diol, *see* N-00222
▷7,8-Didehydro-4,5α-epoxy-17-(2-propenyl)morphinan-3,6α-diol, *see* N-00032
▷7,8-Didehydro-4-hydroxy-3,7-dimethoxy-17-methylmorphinan-6-one, *see* S-00079
9,10-Didehydro-*N*-(2-hydroxy-1-methylethyl)-1,6-dimethyl-1,6-dimethylergoline-8-carboxamide, *see* P-00506
9,10-Didehydro-*N*-(2-hydroxy-1-methylethyl)-6-methylergoline-8-carboxamide, *see* E-00104
▷9,10-Didehydro-*N*-[1-(hydroxymethyl)propyl]-1,6-dimethylergoline-8-carboxamide, *see* M-00315
▷9,10-Didehydro-*N*-[1-(hydroxymethyl)propyl]-6-methylergoline-8-carboxamide, *see* M-00254
N′-[(8α)-9,10-Didehydro-6-methylergolin-8-yl]-*N*,*N*-diethylurea, *see* L-00124
16,17-Didehydro-19-methyloxayohimban-16-carboxylic acid methyl ester, *see* A-00087
9,10-Didehydro-6-methyl-8β-[(2-pyridinylthio)methyl]ergoline, *see* T-00300
1,3-Didehydronitrarine, *in* N-00168
3,4-Didehydroretinol, *in* V-00058
9,21-Didehydroryanodine, *in* R-00108
N,6-Didehydro-1,2,3,6-tetrahydro-1-methyl-2-oxoadenosine, *see* M-00265
▷2,3-Didehydro-6′,7′,10,11-tetramethoxyemetan, *see* D-00050
▷2,10-Di(demethoxy)-2-glucosyloxy-10-methylthiocolchicine, *see* T-00199
2,3-Didemethylcolchicine, *in* C-00534
▷O^7,$O^{7'}$-Didemethylcycleanine, *see* I-00182
2,3-Didemethyl-N-deacetylcolchicine, *in* C-00534
2^C,3^C-Di-*O*-demethyltylosin, *in* T-00578
9,20-Dideoxo-9,20-dihydroxytylosin, *in* T-00578
2′,5′-Dideoxyadenosine, D-00219
▷1,4-Dideoxy-1,4-bis[(2-hydroxyethyl)amino]erythritol 1,4-dimethanesulfonate, *see* R-00068
3′,4′-Dideoxybutirosin *A*, *in* B-00408
3′,4′-Dideoxybutirosin *B*, *in* B-00408
2′,3′-Dideoxycytidine, D-00220
6,10-Dideoxy-13-dihydrodaunomycinone, *in* D-00019
1,5-Dideoxy-1,5-[[2-[4-(ethoxycarbonyl)phenoxy]ethyl]-imino]-D-glucitol, *see* E-00038
1,5-Dideoxy-1,5-[(2-hydroxyethyl)imino]-D-glucitol, *see* M-00373
1,5-Dideoxy-1,5-imino-D-glucitol, *in* T-00481
1,5-Dideoxy-1,5-imino-D-mannitol, *in* T-00481
2′,3′-Dideoxyinosine, D-00221
▷3′,4′-Dideoxykanamycin *B*, *see* D-00154
3′,4′-Dideoxy-6′-*N*-methylbutirosin *A*, *in* B-00408
3′,4′-Dideoxy-6′-*N*-methylbutirosin *B*, *in* B-00408
1,5-Dideoxy-1,5-(methylimino)-D-glucitol, *in* T-00481
9-(2′,5′-Dideoxy-D-*erythro*-pentofuranosyl)adenine, *see* D-00219
3′,4′-Dideoxyribostamycin, *in* R-00040
O-4,6-Dideoxy-4-[[4,5,6-trihydroxy-3-(hydroxymethyl)-2-cyclohexen-1-yl]amino]-α-D-glucopyranosyl-(1→4)-*O*-α-D-glucopyranosyl-(1→4)-D-glucose, *see* A-00005
Didesacetylprotoveratrine A, *in* P-00543
▷Didion, *see* D-00483
Didrex, *in* B-00115
Didrogyl, *see* H-00221
Didromycine, *in* D-00303
▷Didronel, *in* H-00132

▷Didropyridinum, *see* D-00255
Didrovaltrate, *see* D-00305
Didrovaltratum, *see* D-00305
▷Dieldrin, D-00222
▷Dienestrol, D-00223
▷α-Dienestrol, *in* D-00223
▷β-Dienestrol, *in* D-00223
▷γ-Dienestrol, *see* D-00223
▷Dienoestrol, *see* D-00223
▷Dienogest, D-00224
▷Dienol, *see* D-00223
16,17-Diepipseudoreserpine, *in* R-00029
▷1,2:15,16-Diepoxy-4,7,10,13-tetraoxahexadecane, D-00225
▷Diethadione, D-00226
Diethamphenazol, *see* D-00545
▷Diethazine, D-00227
▷Diethibutine, *see* D-00258
Diethoxin, *see* P-00034
▷14-Diethoxyacetoxydaunorubicin, *see* D-00108
1,3-Diethoxybenzene, *in* B-00073
1,4-Diethoxybenzene, *in* B-00074
5,6-Diethoxybenzo[*b*]thiophene-2-carboxylic acid, *see* T-00249
▷1-(3,4-Diethoxybenzyl)-6,7-diethoxysoquinoline, *see* E-00150
1-(3,4-Diethoxybenzylidene)-6,7-diethoxy-1,2,3,4-tetrahydroisoquinoline, *see* D-00611
Diethoxybis(1-phenyl-1,3-butanedionato-*O*,*O*')titanium, *see* B-00345
3,5-Diethoxy-4,4-dimethyl-2,5-cyclohexadien-1-one, *in* D-00427
▷1,1-Diethoxyethane, D-00228
▷Diethoxymethane, *in* F-00244
3,4-Diethoxy-β-methoxy-*N*-(1-methyl-2-pyrrolidinylidene)-benzeneethanamine, D-00229
3,4-Diethoxy-*N*-[*p*-[2-(methylamino)ethoxy]benzyl]benzamide, D-00230
3,4-Diethoxy-*N*-[[4-[2-(methylamino)ethoxy]phenyl]methyl]-benzamide, *see* D-00230
Diethoxymethylarsine oxide, *in* M-00226
2-(3,5-Diethoxyphenoxy)-*N*,*N*-diethylethanamine, *see* A-00194
4-[2-(3,5-Diethoxyphenoxy)ethyl]morpholine, *see* F-00123
1-(3,5-Diethoxyphenoxy)-2-morpholinoethane, *see* F-00123
2-(3,5-Diethoxyphenoxy)triethylamine, *see* A-00194
▷1-[(3,4-Diethoxyphenyl)methyl]-6,7-diethoxyisoquinoline, *see* E-00150
1-[(3,4-Diethoxyphenyl)methyl]-3,4-dihydro-6,7-bis(1-methylethoxy)isoquinoline, *see* D-00527
1-[(3,4-Diethoxyphenyl)methylene]-6,7-diethoxy-1,2,3,4-tetrahydroisoquinoline, *see* D-00611
▷α-[[(Diethoxyphosphinothioyl)oxy]imino]benzeneacetonitrile, *see* P-00221
▷2-[(Diethoxyphosphinyl)oxy]-1*H*-benz[*de*]isoquinoline-1,3(2*H*)-dione, *see* N-00042
Diethoxyphosphinylthiocholine, *see* E-00010
2-[(Diethoxyphosphinyl)thio]-*N*,*N*,*N*-trimethylethanaminium, *see* E-00010
5-[[3,5-Diethoxy-4-(1*H*-pyrrol-1-yl)phenyl]methyl]-2,4-pyridinediamine, *see* E-00084
▷10-(*N*,*N*-Diethyl-β-alanyl)-2-(trifluoromethyl)phenothiazine, *see* F-00128
▷Diethylallylacetamide, *in* D-00251
Diethylallylacetic acid, *see* D-00251
▷2-(Diethylamino)-2',6'-acetoxylidide, *see* L-00047
▷*N*-Diethylaminoacetyl-2,6-dimethylaniline, *see* L-00047
4-(Diethylamino)-2-butynyl α-cyclohexyl-α-hydroxybenzeneacetate, *see* O-00147
4-(Diethylamino)-2-butynyl α-phenylcyclohexaneglycolate, *see* O-00147
Diethylaminobutyranilide, *see* O-00005
3-[(Diethylamino)carbonyl]-1-methylpyridinium, *see* D-00241
▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)-amino]-2-propanol, D-00231
▷2-(Diethylamino)-*N*-(2,6-dimethylphenyl)acetamide, *see* L-00047
▷3-(Diethylamino)-2,2-dimethyl-1-propanol 4-aminobenzoate ester, *see* D-00394
▷3-Diethylamino-1,2-dimethylpropyl-*p*-isobutoxybenzoate, *see* G-00010
3-Diethylamino-2,2-dimethylpropyl tropate, *see* A-00371
▷3-Diethylamino-1,1-di-2'-thienyl-1-butene, *see* D-00258
▷2-Diethylaminoethanol, *in* A-00253
▷2-[2-(Diethylamino)ethoxy]benzanilide, D-00232
6-[2-(Diethylamino)ethoxy]-*N*,*N*-dimethyl-2-benzothiazolamine, *see* D-00143
[(2-Diethylamino)ethoxy]diphenylacetic acid 2-(diethylamino)-ethyl ester, *see* P-00526
4-[2-(Diethylamino)ethoxy]-*N*,4-diphenyl-1-piperidineethanamine, *see* D-00140
▷2-[2-(Diethylamino)ethoxy]ethyl 3-amino-4-butoxybenzoate, *see* B-00145
2-[2-(Diethylamino)ethoxy]ethyl α-ethylbenzeneacetate, *see* B-00389
▷2-(2-Diethylaminoethoxy)ethyl 2-ethyl-2-phenylbutyrate, *see* O-00101
2-(Diethylaminoethoxy)ethyl 1-phenyl-1-cyclopentanecarboxylate, *see* C-00046
9[2-(Diethylamino)ethoxy]-4-hydroxy-7-methyl-5*H*-furo[3,2-*g*][1]benzopyran-5-one, *see* A-00197
1-[2-(Diethylamino)ethoxy]-3-(2-methoxyphenoxy)-2-propanol, *see* G-00090
3-[2-[2-(Diethylamino)ethoxy]phenoxy]-4-phenyl-3-buten-2-one, *see* Z-00024
▷2-[2-(Diethylamino)ethoxy]-*N*-phenylbenzamide, *see* D-00232
▷*p*-[2-(Diethylamino)ethoxy]phenyl 2-ethyl-3-benzofuranylketone, *see* E-00131
▷[4-[2-(Diethylamino)ethoxy]phenyl](2-ethyl-3-benzofuranyl)-methanone, *see* E-00131
1-[*o*-[2-(Diethylamino)ethoxy]phenyl]-2-methyl-5-phenylpyrrole, *see* L-00020
4-[2-(Diethylamino)ethoxy]phenyl phenethyl ketone, *see* D-00259
1-[2-[2-(Diethylamino)ethoxy]phenyl]-3-phenyl-1-propanone, *see* E-00134
1-[4-[2-(Diethylamino)ethoxy]phenyl]-3-phenyl-1-propanone, *see* D-00259
2'-[2-(Diethylamino)ethoxy]-3-phenylpropiophenone, *see* E-00134
4'-[2-(Diethylamino)ethoxy]-3-phenylpropiophenone, *see* D-00259
α-[[2-(Diethylamino)ethyl]amino]benzeneacetic acid, *see* D-00234
4-[[2-(Diethylamino)ethyl]amino]benzo[*g*]quinoline, D-00233
▷2-(Diethylamino)ethyl 3-amino-2-butoxybenzoate, *see* M-00144
▷2-(Diethylamino)ethyl 4-amino-2-butoxybenzoate, *see* A-00172
2-Diethylaminoethyl 4-amino-3-butoxybenzoate, *see* O-00146
▷α-[[2-(Diethylamino)ethylamino]carbonyl]-α-ethylbenzeneacetic acid ethyl ester, *see* F-00033
▷2-(Diethylamino)ethyl 4-amino-2-chlorobenzoate, *see* C-00277
1-[[2-(Diethylamino)ethyl]amino]-3,4-dihydroisoquinoline, *see* I-00168
▷1-(2'-Diethylaminoethyl)amino-4-hydroxymethyl-9*H*-thioxanthen-9-one, *see* H-00093
▷1-(2-Diethylaminoethyl)amino-4-methyl-9*H*-thioxanthen-9-one, *see* L-00110
α-[*N*-(β-Diethylaminoethyl)amino]phenylacetic acid, D-00234
2-Diethylaminoethyl 3-amino-4-propoxybenzoate, *see* P-00550
▷2-(Diethylamino)ethyl 4-amino-2-propoxybenzoate, *see* P-00511
▷2-Diethylaminoethyl 4-aminosalicylate, *see* H-00206
α-[2-(Diethylamino)ethyl]benzenemethanol benzoate, *see* P-00490
α-[2-(Diethylamino)ethyl]benzenepropanoic acid, *see* B-00111
O-[2-(Diethylamino)ethyl]benzilic acid 2-(diethylamino)ethyl ester, *see* P-00526

3-[2-(Diethylamino)ethyl]-2*H*-1,3-benzoxazine-2,4(3*H*)-dione, *see* L-00027

α-(2-Diethylaminoethyl)benzyl benzoate, *see* P-00490

2-(Diethylamino)ethyl 4-benzyl-1-piperidinecarboxylate, *see* B-00062

S-[2-(Diethylamino)ethyl] 2-(4-biphenylyl)thiobutyrate, *see* X-00009

3-[[2-(Diethylamino)ethyl]carbamoyl]-4-hydroxycoumarin, *see* D-00145

β-Diethylaminoethyl (*p*-chloro-α-methylbenzhydryl) ether, *see* C-00452

▷2-(Diethylamino)ethyl α-cyclohexylbenzeneacetate, *see* D-00606

▷7-(2-Diethylaminoethyl)-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* E-00137

2-[2-(Diethylamino)ethyl]-2,3-dihydro-3-phenyl-1*H*-isoindol-1-one, *see* U-00001

2-(Diethylamino)ethyl [3,5-diiodo-4-(3-iodo-4-methoxyphenoxy)phenyl]acetate, *see* T-00230

2-(Diethylamino)ethyl 3,3-dimethyl-7-oxo-6-[(phenylacetyl)amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylate, *see* P-00061

▷2-(Diethylaminoethyl) 1-(3,4-dimethylphenyl)cyclopentanecarboxylate, *see* M-00158

▷2-Diethylaminoethyl diphenylacetate, *see* A-00072

2-(Diethylamino)ethyl 2,3-diphenylacrylate, *see* C-00370

2-(Diethylamino)ethyl diphenylcarbamate, D-00235

▷*S*-[2-(Diethylamino)ethyl] diphenylcarbamothioate, *see* P-00150

2-[2-(Diethylamino)ethyl]-*N*,*N*′-diphenylpropanediamide, D-00236

▷Diethylaminoethyl 2,2-diphenylpropionate, *see* A-00431

N-[2-(Diethylamino)ethyl]-*S*,*S*-diphenylsulfoximine, *see* S-00235

S-[2-(Diethylamino)ethyl]diphenylthioacetate, *see* T-00215

▷*S*-[2-(Diethylamino)ethyl] diphenylthiocarbamate, *see* P-00150

▷2-(Diethylamino)ethyl 2,2-diphenylvalerate, *see* P-00442

2-(Diethylamino)ethyl 4-ethoxybenzoate, *see* P-00034

1-(2-Diethylaminoethyl)-2-(4-ethoxybenzyl)-5-nitrobenzimidazole, *see* E-00260

2-[(2-Diethylaminoethyl)ethylamino]ethyl *p*-aminobenzoate, *see* A-00363

2-(Diethylamino)ethyl α-ethylbenzeneacetate, *see* B-00399

5-[2-(Diethylamino)ethyl]-3-(α-ethylbenzyl)-1,2,4-oxadiazole, *see* P-00545

S-[2-(Diethylamino)ethyl] α-ethyl-4-phenylbenzeneethanethioate, *see* X-00009

5-[2-(Diethylamino)ethyl]-4-(4-fluorophenyl)-2(3*H*)-oxazolone, *see* F-00236

α-[2-(Diethylamino)ethyl]hydrocinnamic acid, *see* B-00111

N-[2-(Diethylamino)ethyl]-2-hydroxybenzamide, D-00237

2-[2-(Diethylamino)ethyl]-9-hydroxy-5,11-dimethyl-6*H*-pyrido[4,3-*b*]carbazolium, *see* D-00017

N-[2-(Diethylamino)ethyl]-4-hydroxy-2-oxo-2*H*-1-benzopyran-3-carboxamide, *see* D-00145

4-(2-Diethylaminoethyl)-5-imino-3-phenyl-1,2,4-oxadiazoline, *see* I-00042

2-(Diethylamino)ethylmalonanilide, *see* D-00236

1-[2-(Diethylamino)ethyl]-3-(4-methoxybenzyl)-2(1*H*)-quinoxalinone, *see* C-00090

N-[2-(Diethylamino)ethyl]-2-methoxy-5-(methylsulfonyl)benzamide, *see* T-00243

▷*N*-[2-(Diethylamino)ethyl]-2-(4-methoxyphenoxy)acetamide, *see* M-00067

▷5-[β-(Diethylamino)ethyl]-3-(*p*-methoxyphenyl)-1,2,4-oxadiazole, *see* M-00353

N-[2-(Diethylamino)ethyl]-α-methyl[1,1′-biphenyl]-4-acetamide, *see* B-00162

N′-[2-(Diethylamino)ethyl]-*N*-(1-methylethyl)-*N*-[2-(phenylsulfonyl)ethyl]urea, *see* S-00277

▷[[3-(2-Diethylamino)ethyl]-4-methyl-2-oxo-2*H*-1-benzopyran-7-yl]oxyacetic acid ethyl ester, *see* C-00312

▷2-(Diethylamino)ethyl α-methyl-α-phenylbenzeneacetate, *see* A-00431

N-[2-(Diethylamino)ethyl]-1-(2-methylphenyl)-4-isoquinolinecarboxamide, *see* I-00223

N-[2-(Diethylamino)ethyl]-4-[(methylsulfonyl)amino]-benzamide, *see* S-00040

2-Diethylaminoethyl nicotinate, *see* N-00086

▷10-(2-Diethylaminoethyl)phenothiazine, *see* D-00227

2-Diethylaminoethyl 6-(2-phenylacetamido)penicillanate, *see* P-00061

▷2-(Diethylamino)ethyl α-phenylbenzeneacetate, *see* A-00072

S-[2-(Diethylamino)ethyl] α-phenylbenzeneethanethioate, *see* T-00215

▷3-[2-(Diethylamino)ethyl]-3-phenyl-2(3*H*)-benzofuranone, *see* A-00355

2-Diethylaminoethyl 2-phenylbutyrate, *see* B-00399

▷2-(Diethylamino)ethyl α-phenylcyclohexaneacetate, *see* D-00606

▷2-[2-(Diethylamino)ethyl]-2-phenylglutarimide, *see* P-00155

N-[2-(Diethylamino)ethyl]-2-phenylglycine, *see* D-00234

▷5-[(2-Diethylamino)ethyl]-3-phenyl-1,2,4-oxadiazole, *see* O-00130

2-[(Diethylamino)ethyl]-3-phenylphthalimidine, *see* U-00001

2-Diethylaminoethyl α-phenyl-1-piperidineacetate, *see* B-00160

▷3-[2-(Diethylamino)ethyl]-3-phenyl-2,6-piperidinedione, *see* P-00155

▷2-(Diethylamino)ethyl α-phenyl-α-propylbenzeneacetate, *see* P-00442

2-Diethylaminoethyl 3-phenylsalicylate, *see* X-00010

2-(Diethylamino)ethyl 3-pyridinecarboxylate, *see* N-00086

N-[2-(Diethylamino)ethyl]salicylamide, *see* D-00237

2-(Diethylamino)ethyl salicylate, *see* D-00105

▷7-(2-Diethylaminoethyl)theophylline, *see* E-00137

N-[2-(Diethylamino)ethyl]-3,4,5-trimethoxy-*N*-(2-methylphenyl)benzamide, *see* B-00137

▷2-(Diethylamino)ethyl 1-(3,4-xylyl)cyclopentanecarboxylate, *see* M-00158

4-[3-(Diethylamino)-2-hydroxypropyl]-17,21-dihydroxyajmalanium, *see* D-00104

N-[3-(Diethylamino)-2-hydroxypropyl]-3-methoxy-1-phenyl-1*H*-indole-2-carboxamide, *see* E-00093

7-(Diethylamino)-4-hydroxy-6-propyl-3-quinolinecarboxylic acid, D-00238

▷α-[(Diethylamino)methyl]benzenemethanol benzoate, *see* E-00031

▷8-[[4-(Diethylamino)-1-methylbutyl]amino]-7-methoxyquinoline, *see* P-00007

2-(Diethylamino)-1-methylethyl 1-hydroxy[1,1-bicyclohexyl]-2-carboxylate, *see* R-00071

3-(Diethylamino)-5-methyl-2-hexanol 4-aminobenzoate (ester), *see* C-00018

▷6-[(Diethylamino)methyl]-3-methylflavone, *see* F-00109

▷6-[(Diethylamino)methyl]-3-methyl-2-phenyl-4*H*-1-benzopyran-4-one, *see* F-00109

▷2-(Diethylamino)-4-methyl-1-pentanol *p*-aminobenzoate, *see* L-00030

▷*O*-(2-Diethylamino-6-methyl-4-pyrimidinyl) *O*,*O*-diethyl phosphorothioate, *see* P-00329

▷*O*-[2-(Diethylamino)-6-methyl-4-pyrimidinyl] *O*,*O*-dimethyl phosphorothioate, *see* P-00330

▷7-(Diethylamino)-5-methyl-*s*-triazolo[1,5-*a*]pyrimidine, *see* T-00401

8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate, D-00239

▷*N*-[2-(Diethylamino)-2-oxoethyl]-3,4,5-trimethoxybenzamide, *see* T-00431

▷10-[3-(Diethylamino)-1-oxopropyl]-2-(trifluoromethyl)-10*H*-phenothiazine, *see* F-00128

3-(Diethylamino)-*N*-phenylbutanamide, *see* O-00005

[4-[α-[*p*-(Diethylamino)phenyl]-2,4-disulfobenzylidene]-2,5-cyclohexadien-1-ylidene]diethylammonium, *see* S-00249

N-[4-[[4-(Diethylamino)phenyl](2,4-disulfophenyl)-methylene]-2,5-cyclohexadien-1-ylidene]-*N*-ethylethanaminium, *see* S-00249

N-[4-[[4-(Diethylamino)phenyl](2,5-disulfophenyl)-methylene]-2,5-cyclohexadien-1-ylidene]-*N*-ethylethanaminium, *see* I-00212

▷2-(Diethylamino)-1-phenyl-1-propanone, D-00240
3-(Diethylamino)-1-phenyl-1-propanone *O*-[[(4-methoxyphenyl)-amino]carbonyl]oxime, *see* A-00388
1-(Diethylamino)-2-propanol, *in* A-00318
▷2-Diethylaminopropiophenone, *see* D-00240
▷10-(2-Diethylaminopropyl)phenothiazine, *see* E-00160
4-[(Diethylamino)sulfonyl]benzoic acid, *see* E-00152
▷2-Diethylamino-2′,4′,6′-trimethylacetanilide, *see* T-00492
▷2-(Diethylamino)-*N*-(2,4,6-trimethylphenyl)acetamide, *see* T-00492
1,3-Diethylbarbituric acid, *in* P-00586
▷5,5-Diethylbarbituric acid, *see* D-00256
Diethyl 4-(4-benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate, *see* D-00016
Diethyl[[4-(2-benzothiazolyl)phenyl]methyl]phosphonate, *see* F-00259
▷Diethyl [2,5-bis(1-aziridinyl)-3,6-dioxo-1,4-cyclohexadiene-1,4-diyl]biscarbamate, *see* D-00150
Diethyl[bis(diethoxyphosphinyl)methyl]butanedioate, *in* B-00397
Diethyl 4-[2-(2-*tert*-butoxycarbonylvinyl)phenyl]-1,4-dihydro-2-dimethylaminomethyl-6-methylpyridine-3,5-dicarboxylate, *see* T-00019
Diethylcarbamazine, *see* D-00248
▷Diethylcarbamazine citrate, *in* D-00248
▷Diethylcarbamodithioic acid, *see* D-00244
1-Diethylcarbamoyl-4-methylpiperazine, *see* D-00248
3-(Diethylcarbamoyl)-1-methylpyridinium(1+), D-00241
▷*N*-[(Diethylcarbamoyl)methyl]-3,4,5-trimethoxybenzamide, *see* T-00431
1-(Diethylcarbamoyl)-1,2,3,4,5,6,7,8-octahydro-6,6-dimethyl-8-oxo-3-phenyl-2-naphthoic acid, *see* F-00032
▷*O,O*-Diethyl α-cyanobenzylideneaminooxyphosphonothioate, *see* P-00221
Diethyl 1′,4′-dihydro-2′,6′-dimethyl-2-(methylthio)[3,4′-bipyridine]-3′,5′-dicarboxylate, *see* M-00139
Diethyl 1,4-dihydro-2,6-dimethyl-1-[2-(4-morpholinyl)-ethyl]-4-[2-(trifluoromethyl)phenyl]-3,5-pyridinedicarboxylate, *see* F-00122
▷5,5-Diethyldihydro-2*H*-1,3-oxazine-2,4(3*H*)-dione, *see* D-00226
α,α-Diethyl-4,4′-dihydroxystilbene, *see* D-00257
O,O-Diethyl *S*-(2-dimethylaminoethyl) phosphorothioate, D-00242
O,O-Diethyl *S*-(2-dimethylaminoethyl) thiophosphate, *see* D-00242
8,8-Diethyl-*N,N*-dimethyl-2-aza-8-germaspiro[4.5]decane-2-propanamine, *see* S-00123
N,N-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, D-00243
Diethyl disulfide-2,2′-disulfonic acid, *see* D-00550
▷*N,N*-Diethyl-4,4-di-2-thienyl-3-buten-2-amine, *see* D-00258
▷*O,O*-Diethyl dithiobis[thioformate], *see* D-00556
▷Diethyldithiocarbamic acid, D-00244
▷Diethylenetriamine, D-00245
▷Diethylenetriaminepentaacetic acid, *see* P-00094
4,4′-(1,2-Diethyl-1,2-ethanediyl)bis[2-methylphenol], *see* P-00479
4,4′-(1,2-Diethyl-1,2-ethanediyl)bisphenol, *see* B-00220
4,4′-(1,2-Diethyl-1,2-ethenediyl)bisphenol, *see* D-00257
4,4′-(1,2-Diethyl-1,2-ethenediyl)bis[phenol]dihexadecanoate, *in* D-00257
▷Diethyl ether, D-00246
4,4′-(1,2-Diethylethylene)di-*o*-cresol, *see* P-00479
4,4′-(1,2-Diethylethylene)diphenol, *see* B-00220
▷Diethyl formal, *in* F-00244
N,N-Diethylglycine, ester with 4′-hydroxyacetanilide, *see* P-00485
N,N-Diethyl-β-homoleucinol *p*-aminobenzoate, *see* C-00018
3,3-Diethylhydracrylic acid, *see* E-00195
Diethyl(3-hydroxybutyl)methylammonium 5-bromo-2-furoate, *see* F-00272
N,N-Diethyl-2-[(hydroxydiphenylacetyl)oxy]-*N*-methyl-ethanaminium, *see* M-00227
1,1-Diethyl-3-[(hydroxydiphenylacetyl)oxy]pyrrolidinium, *see* B-00082
Diethyl(2-hydroxyethyl)methylammonium benzilate, *see* M-00227
Diethyl(2-hydroxyethyl)methylammonium α-phenylcyclohexaneglycolate, *see* O-00161
Diethyl(2-hydroxyethyl)methylammonium α-phenyl-2-thiopheneglycolate, *see* O-00121
Diethyl(2-hydroxyethyl)methylammoniumxanthene-9-carboxylate, *see* M-00169
Diethyl(2-hydroxyethyl)octylammonium dicyclopentylacetate, *see* P-00073
▷*N,N*-Diethyl-4-hydroxy-3-methoxybenzamide, *see* E-00146
N,N-Diethyl-2-[(hydroxyphenyl-2-thienylacetyl)oxy]-*N*-methylethanaminium, *see* O-00121
Diethyl(3-hydroxypropyl)methylammonium 2,4-diphenyl-1,3-cyclobutanedicarboxylate, *see* T-00562
1,1-Diethyl-3-hydroxypyrrolidinium benzilate, *see* B-00082
▷4,4′-(1,2-Diethylidene-1,2-ethanediyl)bis[phenol], *see* D-00223
1,2:3,4-Di-*O*-ethylidene-D-glucitol, *in* G-00054
N,N-Diethyl-5-imino-3-phenyl-1,2,4-oxadiazole-4(5*H*)-ethanamine, *see* I-00042
▷*N,N*-Diethyllysergamide, *see* L-00122
▷Diethylmalonylurea, *see* D-00256
▷*N,N*-Diethyl-*N′*-(9-methoxy-5,11-dimethyl-6*H*-pyrido[4,3-*b*]-carbazol-1-yl)-1,3-propanediamine, *see* R-00032
N,N-Diethyl-*N′*-(1-methoxy-2-indanyl)-*N′*-phenyl-1,3-propanediamine, *see* M-00459
N-(β,β-Diethyl-*m*-methoxyphenethyl)-4-hydroxybutyramide, *see* E-00034
N,N-Diethyl-2-(2-methoxyphenoxy)ethanamine, *see* G-00091
▷*N,N*-Diethyl-3-(4-methoxyphenyl)-1,2,4-oxadiazole-5-ethanamine, *see* M-00353
▷*N′,N′*-Diethyl-N^4-(6-methoxy-8-quinolinyl)-1,4-pentanediamine, *see* P-00007
2-[[2-(Diethylmethylammonio)ethoxy]carbonyl]-1,1,6-trimethylpiperidinium, *see* D-00215
1-[2-[2-[2-(Diethylmethylammonio)ethoxy]ethoxy]-2-oxo-1-phenylethyl]-1-methylpiperidinium, *see* P-00308
▷5,5-Diethyl-1-methylbarbituric acid, *see* M-00173
▷Diethylmethylcarbinolurethane, *see* E-00042
N,N-Diethyl-*N′*-(6-methylergolin-8α-yl)sulfamide, *see* E-00243
N,N-Diethyl-*N′*-(6-methyl-8-ergolinyl)urea, *see* T-00090
▷*O,O*-Diethyl *O*-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate, *see* D-00149
Diethylmethyl[2-[(α-methyl-α-5-norbornen-2-ylbenzyl)oxy]-ethyl]ammonium, *see* C-00330
N,N-Diethyl-*N*-methyl-2-[(3-methyl-1-oxo-2-phenylpentyl)-oxy]ethanaminium, *see* V-00003
N,N-Diethyl-*N*-methyl-2-[[4-[[2-(octyloxy)benzoyl]amino]-benzoyl]oxy]ethanaminium, *see* O-00069
Diethyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276
N,N-Diethyl-*N*-methyl-β-oxo-10*H*-phenothiazine-10-ethanaminium, *see* D-00247
▷*N,N*-Diethyl-α-methyl-10*H*-phenothiazine-10-ethanamine, *see* E-00160
N,N-Diethyl-*N*-methyl(10-phenothiazinylcarbonyl)methyl-ammonium(1+), D-00247
N,N-Diethyl-2-[2-(2-methyl-5-phenyl-1*H*-pyrrol-1-yl)-phenoxy]-ethanamine, *see* L-00020
Diethylmethyl[2-[[4-[*p*-(phenylthio)phenyl]-3*H*-1,5-benzodiazepin-2-yl]thio]ethyl]ammonium, *see* T-00250
N,N-Diethyl-*N*-methyl-2-[[4-[4-(phenylthio)phenyl]-3*H*-1,5-benzodiazepin-2-yl]thio]ethanaminium, *see* T-00250
N,N-Diethyl-4-methyl-1-piperazinecarboxamide, D-00248
▷3,3-Diethyl-5-methyl-2,4-piperidinedione, D-00249
4,4′-(1,2-Diethyl-3-methyl-1,3-propanediyl)bisphenol, *see* B-00077
3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, D-00250
▷*N,N*-Diethyl-*N′*-(6-methyl-5*H*-pyrido[3′,4′:4,5]pyrrolo[2,3-*g*]-isoquinolin-10-yl)-1,3-propanediamine, *see* P-00046
▷5,5-Diethyl-1-methyl-2,4,6-(1*H*,3*H*,5*H*)pyrimidinetrione, *see* M-00173
▷*N,N*-Diethyl-5-methyl[1,2,4]triazolo[1,5]pyrimidin-7-amine, *see* T-00401
4,4′-(1,2-Diethyl-3-methyltrimethylene)diphenol, *see* B-00077
N,N-Diethyl-*N*-methyl-2-[(9*H*-xanthen-9-ylcarbonyl)oxy]-ethanaminium, *see* M-00169

▷α,α-Diethyl-1-naphthaleneacetic acid, *see* E-00210
▷*N*,*N*-Diethylnicotinamide, *see* D-00254
▷*O*,*O*-Diethyl *O*-(4-nitrophenyl) phosphate, *see* P-00027
▷Diethyl oxide, *see* D-00246
N,*N*-Diethyl-4-[2-(2-oxo-3-tetradecyl-1-imidazolidinyl)-ethyl]-1-piperazinecarboxamide, *see* I-00044
2,2-Diethyl-4-pentenoic acid, D-00251
▷*N*,*N*-Diethyl-10*H*-phenothiazine-10-ethanamine, *see* D-00227
2,2′-[[2-[(2,6-Diethylphenyl)amino]-2-oxoethylimino]bis]-acetic acid, *see* E-00235
▷5,5-Diethyl-1-phenylbarbituric acid, *see* D-00253
N-(2,6-Diethylphenyl)-*N*′-[imino(methylamino)methyl]urea, *see* D-00252
1-(2,6-Diethylphenyl)-3-(methylamidino)urea, D-00252
N,*N*-Diethyl-2-[(2-phenylmethyl)phenoxy]ethanamine, *see* E-00256
▷*N*,*N*-Diethyl-3-phenyl-1,2,4-oxadiazole-5-ethanamine, *see* O-00130
N,*N*-Diethyl-3-(1-phenylpropyl)-1,2,4-oxadiazole-5-ethanamine, *see* P-00545
2-[(2,6-Diethylphenyl)-2-pyridinylmethoxy]-*N*,*N*-dimethylethanamine, *see* P-00601
▷5,5-Diethyl-1-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00253
N,*N*-Diethyl-2-(phenyltricyclo[2.2.1.0^{2,6}]hept-3-ylidenemethoxy)ethanamine, *see* T-00414
▷Diethylpropion, *see* D-00240
▷Diethylpropion hydrochloride, *in* D-00240
N,*N*-Diethyl-*N*′-(6-propylergolin-8-yl)urea, *see* P-00533
▷*N*,*N*-Diethyl-3-pyridinecarboxamide, D-00254
▷3,3-Diethyl-2,4(1*H*,3*H*)-pyridinedione, D-00255
▷5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00256
α,α′-Diethyl-4,4′-stilbenedioldi-2-furoate, *see* F-00297
Diethylstilbestrol, D-00257
Diethylstilbestrol dilaurate, *in* D-00257
Diethylstilbestrol dipalmitate, *in* D-00257
▷Diethylstilbestrol dipropionate, *in* D-00257
Diethylstilbestrol disulfate, *in* D-00257
Diethylstilbestrol monomethyl ether, *in* D-00257
4-Diethylsulfamoylbenzoic acid, *see* E-00152
p-(Diethylsulfamoyl)benzoic acid, *see* E-00152
Diethylsulfonal, *in* B-00213
Diethyl tartrate, *in* T-00028
▷5,5-Diethyl-2,3,5,6-tetrahydro-4*H*-1,3-oxazine-2,4-dione, *see* D-00226
1,8-Diethyl-1,3,4,9-tetrahydropyrano[3,4-*b*]indole-1-acetic acid, *see* E-00245
▷3,3′-Diethylthiacarbocyanine, *see* D-00548
▷Diethylthiambutene, D-00258
▷Diethyltoluamide, *in* M-00230
Diethyl 3-[2-(3-tosylureido)phenyl]-2-thioureidophosphonate, *see* U-00013
N^1-(4,6-Diethyl-3-triazin-2-yl)sulfanilamide, *see* S-00210
▷*O*,*O*-Diethyl *O*-(3,5,6-trichloro-2-pyridinyl) phosphorothioate, *see* C-00301
▷*N*,*N*-Diethylvanillamide, *see* E-00146
(Diethylvinylene)di-*p*-phenylene 2-furoate, *see* F-00297
▷Diethyl xanthogenate, *see* D-00556
Diethyphen, *in* B-00220
Dietifen, D-00259
Dietilan, *in* D-00312
Dietor, *see* A-00320
▷Dietreen, *see* T-00107
▷Dietroxine, *see* D-00226
DIF, *see* T-00575
▷Difacil, *see* A-00072
▷Difaterol, *see* B-00148
Difebarbamate, D-00260
▷Difemerine, D-00261
▷Difemetorex, *see* D-00499
▷Difemetoxidine, *see* D-00499
▷Difenamizole, D-00262
▷Difenax, *see* D-00487
Difenclosazine, D-00263
▷Difenidol, *see* D-00486
Difenoximide, D-00264
Difenoximide hydrochloride, *in* D-00264
Difenoxin, D-00265
Difenoxylic acid, *see* D-00265
▷Difenpiramide, *see* D-00487
Diferidin, *see* D-00508
Difesyl, *in* A-00028
▷Difetarsone, *see* E-00147
Difeterol, D-00266
▷Difexan, *see* D-00483
Difexil, *in* A-00028
Diflorasone, D-00267
Diflorasone diacetate, *in* D-00267
Difloxacin, D-00268
Difloxacin hydrochloride, *in* D-00268
Difluanazine, *see* D-00269
Difluanine, D-00269
Difluanine hydrochloride, *in* D-00269
Diflucortolone, D-00270
Diflucortolone pivalate, *in* D-00270
▷Diflucortolone valerate, JAN, *in* D-00270
▷Diflumidone, D-00271
Diflumidone sodium, *in* D-00271
▷Diflunisal, *see* D-00272
N,*N*′-Di-9*H*-fluoren-9-yl-*N*,*N*,*N*′,*N*′-tetramethyl-1,6-hexanediaminium, *see* H-00046
6-[2-[4-(4,4′-Difluorobenzhydrylidene)piperidino]ethyl]-7-methyl[1,3]thiazolo[3,2-*a*]pyrimidin-5-one, *see* R-00066
N,*N*′-(3,3′-Difluoro[1,1′-biphenyl]-4,4′-diyl)bis(4,5-dihydro-3*H*-pyrrol-2-amine, *see* L-00056
4′,4″-Difluorocinnarizine, *see* F-00165
6,9-Difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioic acid *S*-methyl ester, *see* T-00253
6α,9-Difluoro-11β,21-dihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* D-00270
6,8-Difluoro-1-(2-fluoroethyl)-1,4-dihydro-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, *see* F-00116
▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272
6α,9-Difluoro-11β-hydroxy-21,21-dimethoxy-16α,17-[(1-methylethylidene)bis(oxy)]pregna-1,4-diene-3,20-dione, *see* F-00163
6,9-Difluoro-11-hydroxy-16,17-[(1-methylethylidene)-bis(oxy)]-21-(1-oxopropoxy)pregna-1,4-diene-3,20-dione, *see* P-00452
6,6-Difluoro-17β-hydroxy-19-nor-4-pregnen-20-yn-3-one, *see* E-00229
6-[4-(Difluoromethoxy)-3-methoxyphenyl]-3(2*H*)-pyridazinone, *see* Z-00007
▷4-[2-(Difluoromethoxy)phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid dimethyl ester, *see* R-00060
▷2-(Difluoromethyl)ornithine, *see* D-00126
7-[[[(Difluoromethyl)thio]acetyl]amino]-3-[[[1-(2-hydroxyethyl)-1*H*-tetrazol-5-yl]thio]methyl]-7-methoxy-8-oxo-5-oxa-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* F-00120
6,6-Difluoronorethindrone, *see* E-00229
▷Difluorophate, *see* D-00368
2-(2,4-Difluorophenyl)-4,5-bis(4-methoxyphenyl)-1*H*-imidazole, *see* F-00049
2-(2,4-Difluorophenyl)-1,3-bis(1*H*-1,2,4-triazol-1-yl)-2-propanol, *see* F-00140
1-(2,4-Difluorophenyl)-6-fluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, *see* T-00058
1-[[3-[(2,6-Difluorophenyl)methoxy]-5-fluoro-2,3-dihydrobenzo[*b*]thien-2-yl]methyl]-1*H*-imidazole, *see* C-00397
α-(2,4-Difluorophenyl)-α-(1*H*-1,2,4-triazol-1-ylmethyl)-1*H*-1,2,4-triazole-1-ethanol, *see* F-00140
▷5-(2,4-Difluoro)salicylic acid, *see* D-00272
2,7-Difluorospiro[fluorene-9,4′-imidazolidine]-2′,5′-dione, *see* I-00041
6,8-Difluoro-2,3,4,9-tetrahydro-*N*,*N*-dimethyl-1*H*-carbazol-3-amine, *see* F-00136

▷6α,9α-Difluoro-11β,16α,17α,21-tetrahydroxy-1,4-pregnadiene-3,20-dione, *see* F-00172
▷6α,9-Difluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone, 21-acetate, *see* F-00173
6α,9-Difluoro-11β,17,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione, *see* D-00267
▷6α,9α-Difluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione, *see* F-00156
6α,9-Difluoro-11β,17,21-trihydroxypregna-1,4-diene-3,20-dione 21-acetate 17-butyrate, *see* D-00273
Difluprednate, D-00273
▷Diflupyl, *see* D-00368
Difmecor, *in* F-00044
Di-folliculine, *in* O-00028
▷Diforene, *in* D-00408
▷Difosfen, *in* H-00132
Difral, *in* D-00267
▷Diftalone, *see* P-00222
▷Difuran, *see* N-00190
▷Digacin, *see* D-00275
3,5-Digalloylepicatechin, *in* P-00081
Digammacaine, *see* P-00198
▷Digenic acid, *see* K-00001
▷Digenin, *see* K-00001
Digerent, *see* T-00491
▷Digicor, *in* D-00275
▷Digicorigenin, *in* T-00474
Digiproside, *in* D-00274
▷Digisidin, *in* D-00275
▷Digitalin, *in* T-00474
▷Digitoxigenin, D-00274
Digitoxigenin allomethyloside, *in* D-00274
Digitoxigenin glucosidobisdigitoxoside, *in* D-00274
Digitoxigenin glucosidoglucomethyloside, *in* D-00274
Digitoxigenins glucosidoallomethyloside, *in* D-00274
▷Digitoxin, *in* D-00275
▷Digoxin, D-00275
1,10-Diguanidinodecane, *see* D-00037
Dihexazin, *in* C-00648
Dihexiverine, *see* D-00276
Dihexyverine, D-00276
▷Dihexyverine hydrochloride, *in* D-00276
1,4-Dihydracryloylpiperazine dimethanesulfonate, *see* P-00301
▷Dihydralazine, D-00277
▷Dihydrallazine, *see* D-00277
▷1,4-Dihydrazinophthalazine, *see* D-00277
▷Dihydrex, *see* B-00103
Dihydrin, *in* C-00305
Dihydroactinospectacin, *in* S-00111
▷Dihydroampicillin, *see* E-00074
5,6-Dihydro-5-azathymidine, D-00278
5,14-Dihydrobenz[5,6]isoindolo[2,1-*b*]isoquinoline-8,13-dione, D-00279
4-(9,10-Dihydro-4*H*-benzo[4.5]cyclohepta[1,2-*b*]thien-4-ylidene)-1-methylpiperidine, *see* P-00368
1-[1-[2-(2,3-Dihydro-1,4-benzodioxin-2-yl)ethyl]-4-piperidinyl]-2-imidazolidinone, *see* A-00498
2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-1*H*-imidazole, D-00280
1-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methoxy]-3-[(1,1-dimethylethyl)amino]-2-propanol, *see* D-00471
2-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-1-ethyl-1*H*-imidazole, *see* I-00036
[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]guanidine, *see* G-00115
[(2,3-Dihydro-1,4-benzodioxin-6-yl)methyl]guanidine, *see* G-00088
N-[[1-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-4-phenyl-4-piperidinyl]methyl]acetamide, *see* A-00047
8-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, *see* S-00132
▷1-[(2,3-Dihydro-1,4-benzodioxin-2-yl)methyl]piperidine, *see* P-00294
1-(2,3-Dihydro-1,4-benzodioxin-6-yl)-3-(3-phenyl-1-pyrrolidinyl)-1-propanone, *see* P-00525
1-(2,3-Dihydro-1,4-benzodioxin-5-yl)piperazine, *see* E-00030
[[4-(2,3-Dihydro-1,4-benzodioxin-6-yl)-2-thiazolyl]amino]-oxoacetic acid, *see* E-00061
1-[(3,4-Dihydro-2*H*-1-benzothiopyran-8-yl)oxy]-3-[(1,1-dimethylethyl)amino]-2-propanol, *see* T-00097
Dihydrobenzthiazide, *in* B-00103
1,3-Dihydro-3,3-bis(4-hydroxyphenyl)-2*H*-indol-2-one, *see* O-00160
2,3-Dihydro-7-chloro-4-hydroxy-1*H*-indene-5-carboxylic acid, *see* C-00243
4,5-Dihydro-2-[(4-chloro-1-naphthyl)methyl]-1*H*-imidazole, *see* C-00476
10,11-Dihydrocinchonan-6′,9-diol, *in* C-00574
(9*S*)-10,11-Dihydrocinchonan-9-ol, *in* C-00358
10,11-Dihydrocinchonine, *in* C-00358
▷Dihydrocodeine, *in* D-00294
(±)-Dihydrocodeine, *in* D-00294
▷Dihydrocodeinone, *in* H-00102
▷7,8-Dihydrocodeinone enol acetate, *see* T-00161
Dihydroconessine, *in* C-00540
Dihydrocupreine, *in* C-00574
▷Dihydrodeoxymorphine, *see* D-00100
Dihydrodesoxycodeine, *in* D-00100
10,11-Dihydro-5*H*-dibenz[*b,f*]azepin-10-amine, *see* A-00241
5,11-Dihydro-10*H*-dibenz[*b,f*]azepin-10-one, D-00281
▷1′-[3-(10,11-Dihydro-5*H*-dibenz[*b,f*]azepin-5-yl)propyl]-[1,4′-bipiperidine]-4′-carboxamide, *see* C-00097
9,13*b*-Dihydro-1*H*-dibenz[*c,f*]imidazo[1,5-*a*]azepin-3-amine, *see* A-00242
10,11-Dihydro-5*H*-dibenzo[*a,d*]cycloheptene-5-carboxylic acid, D-00282
10,11-Dihydro-5*H*-dibenzo[*a,d*]cycloheptene-5-carboxylic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, *in* D-00282
10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-one *O*-[2-dimethylamino)ethyl]oxime, *see* N-00229
7-[(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yl)amino]-heptanoic acid, *see* A-00200
1-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-3-(dimethylamino)-2-propanone, *see* C-00554
▷3-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-*N,N*-dimethyl-1-propanamine, *in* N-00224
α-[1-[[2-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)ethyl]methylamino]ethyl]benzenemethanol, *see* T-00407
▷3-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-1-ethyl-2-methylpyrrolidine, *see* P-00346
▷3-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-ylidene)-*N*-methyl-1-propanamine, *see* N-00224
▷3-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-y, *see* B-00424
▷2-[(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yl)oxy]-*N,N*-dimethylacetamide, *see* O-00122
3-[(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yl)oxy]-8-methyl-8-azabicyclo[3.2.1]octane, *see* D-00087
4-(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yloxy)-1-methylpiperidine, *see* H-00033
3α-[(10,11-Dihydro-5*H*-dibenzo[*a,d*]cyclohepten-5-yl)oxy]-1α*H*,5α*H*-tropane, *see* D-00087
1*a*,10*b*-Dihydrodibenzo[*a,e*]cyclopropa[*c*]cyclohepten-6(1*H*)-one *O*-(*2-aminoethyl*)*oxime*, *see* M-00024
3-(1*a*,10*b*-Dihydrodibenzo[*a,e*]cyclopropa[*c*]cyclohepten-6(1*H*)-ylidene)-*N*-methyl-1-propanamine, *see* O-00026
7-[(6,11-Dihydrodibenzo[*b,e*]thiepin-11-yl)oxy]-9,9-dimethyl-3-oxa-9-azoniatricyclo[3.3.1.$0^{2,4}$]nonane, *see* S-00059
3-[(6,11-Dihydrodibenzo[*b,e*]thiepin-11-yl)oxy]-8-methyl-8-propyl-8-azoniabicyclo[3.2.1]octane, *see* T-00312
3-[(6,11-Dihydrodibenzo[*b,e*]thiepin-11-yl)oxy]propyltropanium, *see* T-00312
1-[2-(6,11-Dihydrodibenz[*b,e*]oxepin-11-yl)methylamino]-3-phenoxy-2-propanol, *see* D-00590
Dihydrodiethylstilboestrol, *see* B-00220
9,10-Dihydro-4,5-dihydroxy-9,10-dioxo-2-anthracenecarboxylic acid, *see* D-00309

3,4-Dihydro-6,8-dihydroxy-3-(*p*-methoxyphenethyl)isocoumarin, *see* A-00084

3,4-Dihydro-6,8-dihydroxy-3-[2-(4-methoxyphenyl)ethyl]-1*H*-2-benzopyran-1-one, *see* A-00084

1,4-Dihydro-3,5-diiodo-1-methyl-4-oxo-2,6-pyridinedicarboxylic acid, *see* I-00109

▷5,6-Dihydro-9,10-dimethoxybenzo[*g*]-1,3-benzodioxolo[5,6-*a*]-quinolizinium, *see* B-00135

8,9-Dihydro-4,11-dimethoxy-9-methylene-5-oxospiro[5*H*-furo[3′,2′:6,7][1]benzopyrano[3,2-*c*]pyridine-7-(6*H*),1′-piperidinium](1+), *see* A-00510

4-[2-(3,4-Dihydro-6,7-dimethoxy-1-methyl-2(1*H*)-isoquinolinyl)-ethyl]benzenamine, *see* V-00017

6,11-Dihydro-6-[2-(dimethylamino)-2-methylethyl]-5*H*-pyrido-2,3-*b*][1,5]benzodiazepin-5-one, *see* P-00508

10,11-Dihydro-5-(3-dimethylamino-2-oxopropylidene)-5*H*-dibenzo[*a*,*d*]cycloheptene, *see* C-00554

5,6-Dihydro-*N*-[3-(dimethylamino)propyl]-11*H*-dibenz[*b*,*e*]-azepine, *see* P-00405

▷6,11-Dihydro-11-(3-dimethylaminopropylidene)dibenzo[*b*,*e*]-thiepin, *see* D-00588

10,11-Dihydro-*N*,5-dimethyl-5*H*-dibenz[*b*,*f*]azepin-10-amine, *in* A-00241

6,11-Dihydro-*N*,*N*-dimethyl-5*H*-dibenz[*b*,*e*]azepine-5-propanamine, *see* P-00405

▷10,11-Dihydro-*N*,*N*-dimethyl-5*H*-dibenz[*bf*]azepine-5-propanamine, *see* I-00040

▷10,11-Dihydro-*N*,*N*-dimethyl-5*H*-dibenzo[*a*,*d*]cycloheptene-$\Delta^{5,\gamma}$-propylamine, *in* N-00224

▷6,11-Dihydro-*N*,*N*-dimethyldibenzo[*b*,*e*]thiepine-11-propanamine, *see* D-00420

5,6-Dihydro-7,8-dimethyl-4,5-dioxo-4*H*-pyrano[3,2-*c*]-quinoline-2-carboxylic acid 3-methylbutyl ester, *see* R-00024

5-[1,4-Dihydro-2,6-dimethyl-3-methoxycarbonyl-4-(2-nitrophenyl)-5-pyridylcarbonyl]isosorbide, *see* S-00105

3,7-Dihydro-1,8-dimethyl-3-(2-methylbutyl)-1*H*-purine-2,6-dione, *see* V-00022

6,11-Dihydro-*N*,*N*-dimethyl-11-methylene-5*H*-dibenz[*b*,*e*]-azepine-5-propanamine, *see* E-00065

▷1,2-Dihydro-1,5-dimethyl-4-[(1-methylethyl)amino]-2-phenyl-3*H*-pyrazol-3-one, *see* R-00007

▷1,2-Dihydro-1,5-dimethyl-4-(1-methylethyl)-2-phenyl-3*H*-pyrazol-3-one, *see* P-00519

3,7-Dihydro-1,3-dimethyl-7-[2-(1-methyl-2-phenylethyl)-aminoethyl]-1*H*-purine-2,6-dione, *see* F-00047

▷1,2-Dihydro-1,5-dimethyl-4-[(3-methyl-2-phenyl-4-morpholinyl)-methyl]-2-phenyl-3*H*-pyrazol-3-one, *see* M-00439

4,9-Dihydro-1,3-dimethyl-4-[(4-methyl-1-piperazinyl)-acetyl]-pyrazolo[4,3-*b*]benzodiazepin-10(1*H*)-one, *see* Z-00029

10,11-Dihydro-*N*,*N*-dimethyl-11-(4-methyl-1-piperazinyl)-dibenzo[*b*,*f*]thiepin-2-sulfonamide, *see* S-00201

▷1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic acid dimethyl ester, *see* N-00110

1,4-Dihydro-2,6-dimethyl-4-(2-nitrophenyl)-3,5-pyridinedicarboxylic acid methyl 2-methylpropyl ester, *see* N-00159

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridine dicarboxylic acid methyl 1-(phenylmethyl)-3-piperidinyl ester, *see* B-00054

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-[4-(diphenylmethyl)-1-piperazinyl]ethyl methyl ester, *see* M-00017

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-(dimethylamino)ethyl phenylmethyl ester, *see* N-00088

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 3-(4,4-diphenyl-1-piperidinyl)-propyl methyl ester, *see* N-00138

▷1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid bis(2-propoxyethyl) ester, *see* N-00142

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-methoxyethyl 1-methylethyl ester, *see* N-00149

1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid ethyl methyl ester, *see* N-00172

1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)-phenyl]-3-pyridinecarboxylic acid, D-00283

4,5-Dihydro-4,4-dimethyl-2-oxazolamine, *see* A-00243

▷10,11-Dihydro-α,8-dimethyl-11-oxodibenz[*b*,*f*]oxepin-2-acetic acid, *see* B-00136

3,7-Dihydro-1,3-dimethyl-7-(5-oxohexyl)-1*H*-purine-2,6-dione, *see* L-00081

▷3,7-Dihydro-3,7-dimethyl-1-(5-oxohexyl)-1*H*-purine-2,6-dione, *see* O-00142

N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)-2-hydroxybenzamide, *see* A-00416

[(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)-methylamino]methanesulfonic acid, *see* D-00532

▷*N*-[[(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)(1-methylethyl)amino]methyl]-3-pyridinecarboxamide, *see* N-00155

[(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)-(2-methylpropyl)amino]methanesulfonic acid, *see* D-00170

N-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)-*N*-methyl-3-pyridinecarboxamide, *see* M-00273

▷*N*-(2,3-Dihydro-1,5-dimethyl-3-oxo-2-phenyl-1*H*-pyrazol-4-yl)-3-pyridinecarboxamide, *see* N-00112

4,5-Dihydro-2,3-dimethyl-4-phenyl-3*H*-1,3-benzodiazepine, *see* D-00023

2,3-Dihydro-*N*,3-dimethyl-1-phenyl-1*H*-indole-3-propanamine, *see* D-00006

4,8-Dihydro-3,8-dimethyl-4-phenylpyrazolo[3,4-*b*][1,4]-diazepine-5,7(1*H*,6*H*)-dione, *see* R-00015

▷1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00284

3,7-Dihydro-6,7-dimethyl-5-phenylpyrrolo[3,4-*e*]-1,4-diazepin-2(1*H*)one, *see* P-00418

1,2-Dihydro-1,5-dimethyl-2-phenyl-4-(4-quinazolinylamino)-3*H*-pyrazol-3-one, *see* Q-00013

▷3,7-Dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* T-00169

▷3,7-Dihydro-3,7-dimethyl-1*H*-purine-2,6-dione, *see* T-00166

▷3,7-Dihydro-1,3-dimethyl-7-[2-[(3-pyridinylmethyl)amino]-ethyl]-1*H*-purine-2,6-dione, *see* P-00254

5,7-Dihydro-7,7-dimethyl-2-(4-pyridinyl)pyrrolo[2,3-*f*]-benzimidazol-6(1*H*)-one, *see* A-00069

10,11-Dihydro-*N*,*N*-dimethylspiro[5*H*-dibenzo[*a*,*d*]-cycloheptene-5,2′-[1,3]dioxolane]-4′-methylamine, *see* C-00340

1,3-Dihydro-3,3-dimethyl-5-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-2*H*-indol-2-one, *see* I-00064

3,7-Dihydro-1,3-dimethyl-7-[2-(2,2,2-trichloro-1-hydroxyethoxy)ethyl]-1*H*-purine-2,6-dione, *see* T-00451

1,4-Dihydro-2,6-dimethyl-4-[2-(trifluoromethyl)phenyl]-3,5-pyridinedicarboxylic acid 2-[(4-azidobenzoyl)amino]-ethyl ethyl ester, *see* A-00523

1,4-Dihydro-2,6-dimethyl-4-[2-(trifluoromethyl)phenyl]-3,5-pyridinedicarboxylic acid ethyl 2-[[3-(4-hydroxy-3-iodophenyl]-1-oxopropyl]amino]ethyl ester, *see* I-00098

14,15-Dihydro-20,21-dinoreburnaminin-14-ol, *see* V-00038

▷*S*-[(1,3-Dihydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl] *O*,*O*-dimethyl phosphorodithioate, *see* P-00213

1,2-Dihydro-1,5-diphenyl-2-[3-[4-(2-pyridinyl)-1-piperazinyl]-propyl]-3*H*-pyrazol-3-one, *see* R-00034

14,15-Dihydroeburnamenin-14-ol, *see* V-00034

Dihydroergocristine, *in* E-00102

Dihydroergocryptine, D-00285

Dihydro-β-ergocryptine, *in* D-00285

Dihydroergocryptine *B*, *in* D-00285

▷Dihydroergotamine, *in* E-00106

Dihydroergotamine mesylate, *in* E-00106

1-(9,10-Dihydro-9,10-ethano-9-anthryl)-4-methylpiperazine, *see* T-00403

Dihydroethaverine, *see* D-00611

▷Dihydroflumethiazide, *see* H-00099

3-Dihydro-2(3*H*)-furanylidene-5-methyl-2,4(3*H*,5*H*)furandione, *see* C-00086

Dihydrogen bis(*N*-ethylidenethreoninato)diaquoferrate(II), *see* F-00091

▷7,8-Dihydro-14-hydroxycodeinone, *in* O-00155

▷Dihydrohydroxycodeinone hydrochloride, *in* O-00155

1,2-Dihydro-4-hydroxy-*N*,1-dimethyl-2-oxo-*N*-phenyl-3-quinolinecarboxamide, *see* R-00091

3,4-Dihydro-3-hydroxy-2,2-dimethyl-4-(2-oxo-1-pyrrolidinyl)-2*H*-1-benzopyran-6-carbonitrile, *see* C-00563

14,15-Dihydro-14-hydroxyeburnamenine-14-carboxylic acid methyl ester, *see* V-00033

4,9-Dihydro-4-[1-[2-[2-[(2-hydroxyethoxy)ethoxy]ethyl]-4-piperidinylidene]-10*H*-benzo[4.5]cyclohepta[1,2-*b*]-thiophen-10-one, *see* E-00255

▷3,7-Dihydro-7-(2-hydroxyethyl)-1,3-dimethyl-1*H*-purine-2,6-dione, *see* E-00253

1,9-Dihydro-9-[1-(1-hydroxyethyl)heptyl]-6*H*-purin-6-one, *see* N-00226

▷3,7-Dihydro-8-[(2-hydroxyethyl)methylamino]-1,3,7-trimethyl-1*H*-purine-2,6-dione, *see* C-00008

▷3,7-Dihydro-7-[(2-hydroxy-3-hydroxyethyl)methylamino]-propyl-1,3-dimethyl-1*H*-purine-2,6-dione, *see* X-00003

2,3-Dihydro-4-hydroxy-6-(2-hydroxyethyl)-2,2,5,7-tetramethyl-1*H*-inden-1-one, *see* O-00049

▷6-(1,3-Dihydro-4-hydroxy-6-methoxy-7-methyl-3-oxo-5-isobenzofuranyl)-4-methyl-4-hexenoic acid, *see* M-00475

1,2-Dihydro-5-[4-[2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propoxy]phenyl]-6-methyl-2-oxo-3-pyridinecarbonitrile, *see* S-00027

N-[2-[4-[2,3-Dihydro-2-(hydroxymethyl)-1,4-benzodioxin-5-yl]-1-piperazinyl]ethyl]-4-fluorobenzamide, *see* F-00117

3,4-Dihydro-8-[2-hydroxy-3-[(1-methylethyl)amino]propoxy-2*H*-1-benzopyran-3-ol 3-nitrate, *see* N-00154

2,3-Dihydro-3-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-2-phenyl-1*H*-isoindol-1-one, *see* N-00197

9,10-Dihydro-12′-hydroxy-2′-(1-methylethyl)-5′-(1-methylpropyl)ergotaman-3′,18-dione, *see* D-00098

▷2,3-Dihydro-3-hydroxy-1-methyl-1*H*-indole-5,6-dione, *see* A-00077

▷3,7-Dihydro-7-[3-[[2-hydroxy-3-[(2-methyl-1*H*-indol-4-yl)-oxy]-propyl]amino]butyl]-1,3-dimethyl-1*H*-purine-2,6-dione, *see* T-00075

1,5-Dihydro-5-hydroxy-4-methyl-2*H*-pyrrol-2-one, *see* J-00001

7,8-Dihydro-14-hydroxymorphinone, *see* O-00155

2,3-Dihydro-5-hydroxy-1,4-naphthalenedione, *in* H-00179

1,3-Dihydro-1-[3-[[2-hydroxy-3-(1-naphthalenyloxy)propyl]-amino]-3-methylbutyl]-2*H*-benzimidazol-2-one, *see* A-00070

6,7-Dihydro-17-hydroxy-3-oxo-3′*H*-cyclopropa[6,7]pregna-4,6-diene-21-carboxylic acid, *see* P-00524

4,5-Dihydro-*N*-hydroxy-4-oxo-5-(phenylmethyl)-1*H*-1,2,5-benzotriazepine-3-carboximidamide, *see* T-00543

6,7-Dihydro-5-[[(2-hydroxy-3-phenoxycyclopentyl)amino]-methyl-2-methylbenzo[*b*]thiophen-4(5*H*)-one, *see* T-00310

6,11-Dihydro-*N*-(2-hydroxy-3-phenoxypropyl)-*N*-methyl-dibenz[*b*,*e*]oxepin-11-ethylamine, *see* D-00590

3,7-Dihydro-7-[2-hydroxy-3-[4-[3-(phenylthio)propyl]-1-piperazinyl]propyl]-1,3-dimethyl-1*H*-purine-2,6-dione, *see* T-00041

▷3,7-Dihydro-1-(2-hydroxypropyl)-3,7-dimethyl-1*H*-purine-2,6-dione, *see* P-00534

▷3,7-Dihydro-7-(2-hydroxypropyl)-1,3-dimethyl-1*H*-purine-2,6-dione, *see* P-00551

(1α)-1,2-Dihydro-12-hydroxysenecionan-11,16-dione, *see* P-00372

9,10-Dihydro-5-hydroxy-4,8,8-trimethyl-2*H*,4*H*-benzo[1,2-*b*:4,3-*c*′]dipyran-2,6(8*H*)-dione, *see* F-00302

▷4,6-Dihydro-8-hydroxy-3,4,5-trimethyl-6-oxo-3*H*-2-benzopyran-7-carboxylic acid, *see* C-00403

▷3-[(4,5-Dihydro-1*H*-imidazol-2-yl)methyl]-6-(1,1-dimethylethyl)-2,4-dimethylphenol, *see* O-00153

N-(4,5-Dihydro-1*H*-imidazol-2-yl)-2-methyl-2*H*-indazol-4-amine, *see* I-00051

▷3-[[4,5-Dihydro-1*H*-imidazol-2-yl)methyl](4-methylphenyl)-amino]phenol, *see* P-00175

2-[2-(4,5-Dihydro-1*H*-imidazol-2-yl)-1-phenylethyl]pyridine, *see* M-00365

4,5-Dihydro-6-[4-(1*H*-imidazol-1-yl)phenyl]-3(2*H*)-pyridazinone, *see* I-00026

4,5-Dihydro-6-[4-(1*H*-imidazol-1-yl)-2-thienyl]-5-methyl-3(2*H*)-pyridazinone, *see* M-00454

3-[(4,5-Dihydro-1*H*-imidazol-2-yl)thio]-1*H*-indole, *see* T-00292

▷2,3-Dihydro-1*H*-imidazo[1,2-*b*]pyrazole, *in* I-00032

N-(2,3-Dihydro-1*H*-inden-2-yl)-*N*′,*N*′-diethyl-*N*-phenyl-1,3-propanediamine, *see* A-00429

N-(2,3-Dihydro-1*H*-inden-4-yl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* I-00050

N-(2,3-Dihydro-1*H*-inden-2-yl)-*N*-(*N*-[1-(ethoxycarbonyl)-3-phenylpropyl]-L-alanyl]glycine, *see* D-00051

O-(2,3-Dihydro-1*H*-inden-5-yl) methyl(3-methylphenyl)-carbamothioate, *see* T-00351

8,13-Dihydroindolo[2′,3′:3,4]pyrido[2,1-*b*]quinazolin-5(7*H*)-one, *see* R-00105

3,7-Dihydro-7-[2-[4-(1*H*-indol-3-yl)-1-piperidinyl]ethyl]-1,3-dimethyl-1*H*-purine-2,6-dione, *see* T-00020

1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00286

▷2,3-Dihydro-5-iodo-2-thioxo-4(1*H*)-pyrimidinone, D-00287

▷Dihydroisophorol, *see* T-00506

3,4-Dihydro-2(1*H*)-isoquinolinecarboximidamide, *see* D-00033

N′-(3,4-Dihydro-1-isoquinolinyl)-*N*,*N*-diethyl-1,2-ethanediamine, *see* I-00168

Dihydrokurchessine, *in* P-00416

Dihydrolatumcidin, *in* A-00002

N-(Dihydrolysergyl)sphingosine, *see* D-00586

Dihydromenaquinones, *in* V-00065

4′,5′-Dihydro-7α-mercaptospiro[androst-4-ene-17β,2′-(3′*H*)-furan]-3-one acetate, *see* S-00131

2,3-Dihydro-5-(4-methoxybenzoyl)-1*H*-pyrrolizine-1-carboxylic acid, *see* A-00393

▷(9*S*)-10,11-Dihydro-6′-methoxycinchonan-9-ol, *in* Q-00027

(8α,9*R*)-10,11-Dihydro-6′-methoxycinchonan-9-ol, *in* Q-00028

1,2-Dihydro-9-methoxyellipticine, *in* M-00198

2,3-Dihydro-*N*-[2-(2-methoxyethoxy)ethyl]-1,4-benzodioxin-2-methanamine, *see* A-00168

N-(2,3-Dihydro-1-methoxy-1*H*-inden-2-yl)-*N*′,*N*′-diethyl-*N*-phenyl-1,3-propanediamine, *see* M-00459

1,3-Dihydro-1-(methoxymethyl)-7-nitro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* M-00455

3,4-Dihydro-2-methoxy-2-methyl-4-phenyl-2*H*,5*H*-pyrano[3,2-*c*][1]benzopyran-5-one, *see* C-00599

▷5,8-Dihydro-5-methoxy-8-oxo-1,3-dioxolo[4,5-*g*]quinoline-7-carboxylic acid, *see* M-00377

3,4-Dihydro-1-[(4-methoxyphenoxy)methyl]isoquinoline, *see* M-00085

4,5-Dihydro-6-[2-(4-methoxyphenyl)-1*H*-benzimidazol-5-yl]-5-methyl-3(2*H*)-pyridazinone, *see* P-00261

▷1-[2-[4-(3,4-Dihydro-6-methoxy-2-phenyl-1-naphthalenyl)-phenoxy]ethyl]pyrrolidine, *see* N-00021

[3,4-Dihydro-2-(4-methoxyphenyl)-1-naphthalenyl][4-[2-(1-pyrrolidinyl)ethoxy]phenyl]methanone, *see* T-00520

▷1-[2-[*p*-(3,4-Dihydro-6-methoxy-2-phenyl-1-naphthyl)-phenoxy]-ethyl]pyrrolidine, *see* N-00021

▷3,12-Dihydro-6-methoxy-3,3,12-trimethyl-7*H*-pyrano[2,3-*c*]-acridin-7-one, *see* A-00050

5,6-Dihydro-5-[3-(methylamino)propyl]-11*H*-dibenz[*b*,*e*]-azepine, *see* M-00356

▷10,11-Dihydro-5-[3-(methylamino)propyl]-5*H*-dibenz[*b*,*f*]-azepine, *see* D-00095

5,6-Dihydro-5-[3-(methylamino)propyl]morphanthridine, *see* M-00356

3,4-Dihydro-2-methyl-2*H*-1-benzopyran-3-amine, *see* A-00245

4,5-Dihydro-2-[(2-methylbenzo[*b*]thien-3-yl)methyl]-1*H*-imidazole, *see* M-00347

▷3,4-Dihydro-6-methyl-2*H*-1-benzothiopyran-7-sulfonamide 1,1-dioxide, *see* M-00319

1,3-Dihydro-7-methyl-3,3-bis[4-(sulfooxy)phenyl]-2*H*-indol-2-one, *see* S-00226

▷10,11-Dihydro-6′-(3-methylbutoxy)cinchonan-9-ol, *see* E-00276

▷Dihydro-5-(1-methylbutyl)-5-[2-(methylthio)ethyl]-2-thioxo-4,6(1*H*,5*H*)-pyrimidinedione, *see* M-00184

Dihydro-5-(1-methylbutyl)-5-(2-propenyl)-2-thioxo-4,6-(1*H*,5*H*)-pyrimidinedione, *see* T-00180

▷10,11-Dihydro-*N*-methyl-5*H*-dibenz[*b*,*f*]azepine-5-propanamine, *see* D-00095

3-(5,6-Dihydro-5-methyl-11*H*-dibenz[*b*,*e*]azepin-11-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* E-00021

▷10,11-Dihydro-*N*-methyl-5*H*-dibenzo[*a*,*d*]cycloheptene-$\Delta^{5,\gamma}$-propylamine, *see* N-00224

10,11-Dihydro-5-methyl-5*H*-dibenzo[*a*,*d*]cyclohepten-5,10-imine, *see* D-00560

3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]-propanoic acid, D-00288

3,7-Dihydro-7-methyl-1,3-dipropyl-1*H*-purine-2,6-dione, *see* D-00524

1,3-Dihydro-*N*-(1-methylethyl)-1,3-dioxo-2*H*-isoindole-2-ethanesulfonamide, *see* T-00018

▷1,3-Dihydro-1-methyl-2*H*-imidazole-2-thione, D-00289

1,3-Dihydro-3-methyl-3-[3-(methylamino)propyl]-1-phenyl-2*H*-indol-2-one, *see* A-00179

6,11-Dihydro-6-methyl-11-(8-methyl-8-azabicyclo[3.2.1]oct-3-yloxy)dibenzo[*c*,*f*][1,2]thiazepine 5,5-dioxide, *see* Z-00009

2,3-Dihydro-α-methyl-2-(1-methylethyl)-1*H*-indene-5-acetic acid, *see* I-00207

6,11-Dihydro-6-methyl-11-[3-[methyl(α-methylphenethyl)-amino]propyl]dibenzo[1,2,5]thiadiazapine 5,5-dioxide, *see* P-00426

4,9-Dihydro-3-methyl-4-[(4-methyl-1-piperazinyl)acetyl]-10*H*-thieno[3,4-*b*][1,5]benzodiazepin-10-one, *see* T-00057

3,4-Dihydro-5-methyl-6-(2-methylpropyl)-4-oxothieno[2,3-*d*]-pyrimidine-2-carboxylic acid, *see* T-00316

1,3-Dihydro-4-methyl-5-[4-(methylthio)benzoyl]-2*H*-imidazol-2-one, *see* E-00062

▷Dihydro-6-methylmorphine, *see* M-00245

2,4-Dihydro-5-methyl-2-[2-(2-naphthalenyloxy)ethyl]-3*H*-pyrazol-3-one, *see* N-00011

▷1,3-Dihydro-1-methyl-7-nitro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* N-00147

3,4-Dihydro-6-methyl-1,2,3-oxathiazin-4-one 2,2-dioxide, *see* M-00275

1,6-Dihydro-2-methyl-6-oxo[3,4′-bipyridine]-5-carbonitrile, *see* M-00378

N-(4,5-Dihydro-4-methyl-5-oxo-1,2-dithiolo[4,3-*b*]pyrrol-6-yl)-propanamide, *see* A-00477

3,7-Dihydro-3-methyl-1-(5-oxohexyl)-7-propyl-1*H*-purine-2,6-dione, *see* P-00495

(4,5-Dihydro-1-methyl-4-oxo-1*H*-imidazol-2-yl)-phosphoramidic acid, *see* F-00255

3,4-Dihydro-3-methyl-4-oxoimidazo[5,1-*d*][1,2,3,5]-tetrazine-8-carboxamide, *see* T-00064

4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, D-00290

1,4-Dihydro-2-methyl-4-oxo-6-[(3-pyridinylmethyl)amino]-5-pyrimidinecarbonitrile, *see* P-00055

1,2-Dihydro-6-methyl-2-oxo-5-(4-pyridinyl)nicotinonitrile, *see* M-00378

3,6-Dihydro-α-[(2-methylphenoxy)methyl]-1(2*H*)-pyridineethanol, *see* T-00366

4-[[1,3-Dihydro-6-methyl-4-(phenylmethyl)furo[3,4-*c*]-pyridin-7-yl]oxy]-*N*-(1-methylethyl)-1-butanamine, *see* B-00016

6,7-Dihydro-*N*-methyl-*N*-(phenylmethyl)indolo[1,7-*ab*][1]-benzazepin-1-ethanamine, *see* A-00526

5,11-Dihydro-11-[(4-methyl-1-piperazinyl)acetyl]-6*H*-pyrido[2,3-*b*][1,4]benzodiazepin-6-one, *see* P-00321

2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5-benzothiazepin-4(5*H*)one, D-00291

6,11-Dihydro-11-[(1-methyl-4-piperidinyl)carbonyl]-5*H*-pyrido[2,3-*b*][1,5]benzodiazepin-5-one, *see* N-00233

9,10-Dihydro-10-(1-methyl-4-piperidinylidene)-9-anthracenol, *see* D-00011

6,11-Dihydro-11-(1-methyl-4-piperidinylidene)-5*H*-benzo[5,6]-cyclohepta[1,2-*b*]pyridine, *see* A-00512

4,9-Dihydro-4-(1-methyl-4-piperidinylidene)-10*H*-benzo[4,5]-cyclohepta[1,2-*b*]thiophen-10-one, *see* K-00020

1,2-Dihydro-2-(1-methyl-4-piperidinyl)-5-phenyl-4-(phenylmethyl)-3*H*-pyrazol-3-one, *see* B-00100

[3-[1,6-Dihydro-5-(2-methylpropyl)-6-oxopyrazinyl]propyl]-guanidine, *see* A-00442

Dihydro-5-(2-methylpropyl)-5-(2-propenyl)-2-thioxo-4,6(1*H*,5*H*)-pyrimidinedione, *see* B-00400

[2-(3,6-Dihydro-4-methyl-1(2*H*)-pyridinyl)ethyl]guanidine, *see* G-00099

1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*][4,1]-benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, D-00292

1,5-Dihydro-5-methyl-1-β-D-ribofuranosyl-1,4,5,6,8-pentaazaacenaphthylen-3-amine, *see* T-00445

4,5-Dihydro-5-methyl-1-(4,5,6,7-tetrahydro-2-benzothiazolyl-1*H*-pyrazol-3-amine, *see* E-00277

▷1-[10,11-Dihydro-8-(methylthio)dibenzo[*b*,*f*]thiepin-10-yl]-4-methylpiperazine, *see* M-00324

4-[10,11-Dihydro-8-(methylthio)dibenzo[*b*,*f*]thiepin-10-yl]-1-piperazinepropanol, *see* O-00162

▷2,3-Dihydro-3-methyl-2-thioxo-1*H*-imidazole-1-carboxylic acid ethyl ester, *see* C-00051

▷2,3-Dihydro-6-methyl-2-thioxo-4(1*H*)pyrimidinone, D-00293

6,11-Dihydro-6-methyl-11-(1α*H*,5α*H*-tropan-3α-yloxy)-dibenzo[*c*,*f*]thiazepine 5,5-dioxide, *see* Z-00009

5,6-Dihydromocimyin C, *in* M-00413

▷Dihydromorphine, D-00294

▷7,8-Dihydromorphin-6-one, *see* H-00102

▷2,3-Dihydro-1-(morpholinoacetyl)-3-phenyl-4(1*H*)-quinazolinone, *see* M-00436

▷2,3-Dihydro-1-(4-morpholinylacetyl)-3-phenyl-4(1*H*)-quinazolinone, *see* M-00436

Dihydronabilone, *in* C-00025

1,2-Dihydro-2-naphthalenamine, *see* D-00295

2-[(3,4-Dihydro-2-naphthalenyl)methyl]-4,5-dihydro-1*H*-imidazole, *see* N-00040

▷4,5-Dihydro-2-(1-naphthalenylmethyl)-1*H*-imidazole, *see* N-00041

1,2-Dihydro-2-naphthylamine, D-00295

2-[(3,4-Dihydro-2-naphthyl)methyl]-2-imidazoline, *see* N-00040

1-[(5,6-Dihydro-1-naphthyl)oxy]-3-(isopropylamino)-2-propanol, *see* I-00019

Dihydro-N-hydroxyabikoviromycin, *in* A-00002

6,7-Dihydro-3-(5-nitro-2-furanyl)-5*H*-imidazo[2,1-*b*]-thiazol-4-ium, *see* F-00285

2,3-Dihydro-7-nitro-2-oxo-5-phenyl-1*H*-1,4-benzodiazepine-3-carboxylic acid, *see* N-00171

▷1,3-Dihydro-7-nitro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *see* N-00170

5-[7-[4-(4,5-Dihydro-2-oxazolyl)phenoxy]heptyl]-3-methyl-isoxazole, *see* D-00538

2,3-Dihydro-3-oxo-4*H*-1,4-benzoxazine-4-acetamide, *see* P-00031

10,11-Dihydro-10-oxo-5*H*-dibenz[*b*,*f*]azepine-5-carboxamide, *in* D-00281

1-[(5,6-Dihydro-6-oxo-11*H*-dibenz[*b*,*e*]azepin-11-ylidene)-acetyl]-4-methylpiperazine, *see* D-00015

6,11-Dihydro-11-oxodibenzo[*b*,*e*]thiepin-3-acetic acid, *see* T-00302

▷6,11-Dihydro-11-oxodibenz[*b*,*e*]oxepin-2-acetic acid, *see* I-00216

▷6,11-Dihydro-11-oxodibenz[*b*,*e*]oxepin-3-acetic acid, *see* O-00103

1,3-Dihydro-3-oxo-1-isobenzofuranyl 2-(acetyloxy)benzoate, *see* T-00015

▷1,3-Dihydro-3-oxo-1-isobenzofuranyl 2-[[3-(trifluoromethyl)-phenyl]amino]-3-pyridinecarboxylate, *see* T-00013

▷4-(1,3-Dihydro-1-oxo-2*H*-isoindol-2-yl)-α-ethylbenzeneacetic acid, *see* I-00060

▷4-(1,3-Dihydro-1-oxo-2*H*-isoindol-2-yl)-α-methylbenzeneacetic acid, *see* I-00068

2,3-Dihydro-2-oxo-3-phenyl-1*H*-indole-1-acetamide, *see* D-00571

5-[(1,2-Dihydro-2-oxo-4-pyridyl)methyl]-2-[[2-[[5-[(dimethylamino)methyl]furfuryl]thio]ethyl]amino]-4(1*H*)-pyrimidinone, *see* D-00577

2-(1,3-Dihydro-3-oxo-5-sulfo-2*H*-indol-2-ylidene)-2,3-dihydro-3-oxo-1*H*-indole-5-sulfonic acid, *see* I-00058

5,6-Dihydro-1-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-2(1*H*)-pyridinone, *see* P-00298

3,4-Dihydro-3-pentyl-6-(trifluoromethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* P-00063

7,8-Dihydropepleomycin, *in* P-00108

1,3-Dihydro-1-[1-(2-phenoxyethyl)-4-piperidinyl]-2*H*-benzimidazol-2-one, *see* O-00117

1,2-Dihydro-3-(phenoxymethyl)pyrido[3,4-*e*]-1,2,4-triazine, *see* O-00113

▷5-(4,5-Dihydro-2-phenyl-3*H*-benz[*e*]indol-3-yl)-2-hydroxybenzoic acid, *see* F-00045

2,3-Dihydro-α-[1-[(4-phenylbutyl)amino]ethyl]benzo[*b*]-thiophene-5-methanol, *see* T-00248

4,5-Dihydro-1-phenyl-1,4-epoxy-1*H*,3*H*-[1,4]oxazepino[4,3-*a*]-benzimidazole, *see* O-00088

4,5-Dihydro-*N*-phenyl-1*H*-imidazole-2-methanamine, *see* P-00141

5,6-Dihydro-6-phenylimidazo[2,1-*b*]thiazole, D-00296

2,3-Dihydro-3-phenyl-1*H*-inden-1-amine, *see* P-00191

3-[(2,3-Dihydro-3-phenyl-1*H*-inden-1-yl)methyl]methyl-pyrrolidine, *see* P-00591

▷4,5-Dihydro-2-(phenylmethyl)-1*H*-imidazole, *see* B-00120

Dihydro-5-(phenylmethyl)-6-thioxo-2*H*-1,3,5-thiadiazine-3(4*H*)-acetic acid, *see* B-00065

▷3,4-Dihydro-3-(phenylmethyl)-6-(trifluoromethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* B-00047

▷4,5-Dihydro-5-phenyl-2-oxazolamine, *see* A-00246

▷4,5-Dihydro-*N*-phenyl-*N*-(phenylmethyl)-1*H*-imidazole-2-methanamine, *see* A-00400

3-[4-(3,6-Dihydro-4-phenyl-1(2*H*)-pyridinyl)butyl]-1*H*-indol-5-ol, *see* R-00099

4-(3,6-Dihydro-4-phenyl-1(2*H*)-pyridinyl)-1-phenyl-1-butanone, *see* P-00166

▷5-[2-(3,6-Dihydro-4-phenyl-1(2*H*)-pyridyl)ethyl]-3-methyl-2-oxazolidinone, *see* F-00069

2,3-Dihydro-6-phenyl-2-thioxo-4(1*H*)-pyrimidinone, *see* P-00209

▷2,3-Dihydro-1,4-phthalazinedione dihydrazone, *see* D-00277

2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole, D-00297

▷6,7-Dihydro-6-(2-propenyl)-5*H*-dibenz[*c*,*e*]azepine, 9, *see* A-00504

1,4-Dihydro-5-(2-propoxyphenyl)-7*H*-1,2,3-triazolo[4,5-*d*]-pyrimidin-7-one, *see* Z-00006

3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002

▷2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, D-00298

5,6-Dihydroprostacyclin, *see* E-00089

Dihydropsychotrine, *see* C-00172

▷3,7-Dihydro-1*H*-purine-2,6-dione, *see* X-00002

▷1,7-Dihydro-6*H*-purine-6-thione, D-00299

1-(5,6-Dihydro-2*H*-pyran-3-yl)-2-phenylethanol, *see* B-00112

1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidine-4-thione, *see* P-00565

▷1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-00300

4-[[[[2-[4,5-Dihydro-2-(4-pyridinyl)-1*H*-imidazol-1-yl]-ethyl]-amino]carbonyl]amino]benzoic acid, *see* P-00584

▷Dihydropyrone, *see* B-00416

4,5-Dihydro-1*H*-pyrrole-2-carboxylic acid, D-00301

Dihydro-1*H*-pyrrolizine-3,5(2*H*,6*H*)-dione, D-00302

3-(2,5-Dihydro-1*H*-pyrrol-1-yl)-1-(3,4,5-trimethoxyphenyl)-2-propen-1-one, *see* R-00074

10,11-Dihydro-5-(3-quinuclidinyl)-5*H*-dibenz[*b*,*f*]azepine, *see* Q-00036

Dihydroretrorsine, *in* P-00372

▷1,9-Dihydro-9-β-D-ribofuranosyl-6*H*-purin-6-one, *see* I-00073

Dihydrospectinomycin, *in* S-00111

2,3-Dihydrospiro[naphthalene-1(2*H*),3′-piperidine]-2′,4,6′-trione, *see* A-00142

10-Dihydrosteffimycin, *in* S-00143

10-Dihydrosteffimycin *B*, *in* S-00143

▷Dihydrostreptomycin, D-00303

Dihydrostreptomycin sulfate, *in* D-00303

▷Dihydrotachysterol, D-00304

▷Dihydrotestosterone, *in* H-00109

epi-Dihydrotestosterone, *in* H-00109

4,5-Dihydro-2-[(1,2,3,4-tetrahydro-7-methyl-1,4-ethanonaphthalen-6-yl)methyl]-1*H*-imidazole, *see* M-00339

4,5-Dihydro-*N*-(5,6,7,8-Tetrahydro-1-naphthalenyl)-1*H*-imidazol-2-amine, *see* T-00395

▷4,5-Dihydro-2-(1,2,3,4-tetrahydro-1-naphthalenyl)-1*H*-imidazole, *see* T-00140

4,5-Dihydro-2-[(5,6,7,8-tetrahydro-1-naphthyl)methyl]-1*H*-imidazole, *see* T-00051

▷2,5-Dihydro-2,2,5,5-tetrakis(trifluoromethyl)-1*H*-imidazol-4-amine, *see* M-00364

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2*H*-1-benzopyran-6-ol, *see* T-00335

3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2*H*-1-benzopyran-6-yl (4-chlorophenoxy)acetate, *see* T-00333

▷3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2*H*-1-benzopyran-6-yl 2-(4-chlorophenoxy)-2-methylpropanoate, *see* T-00334

▷Dihydro-2-thiazolethiol, *see* M-00121

5,6-Dihydro-6-(2-thienyl)imidazo[2,1-*b*]thiazole, *see* A-00413

▷4-[4-(2,3-Dihydro-2-thioxo-1*H*-benzimidazol-1-yl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, *see* T-00285

▷Dihydro-2-thioxo-4,6(1*H*,5*H*)-pyrimidinedione, *see* T-00192

3,6-Dihydro-α-[(*o*-tolyloxy)methyl]-1(2*H*)-pyridineethanol, *see* T-00366

▷3,4-Dihydro-6-(trifluoromethyl)-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-oxide, *see* H-00099

4,5-Dihydro-5-[4-(trifluoromethyl)phenyl]-2-oxazolamine, *see* F-00162

6*a*,12*a*-Dihydro-6,11,12*a*-trihydroxy-2,3,9-trimethoxy[1]-benzopyrano[3,4-*b*][1]benzopyren-12(6*H*)-one, *see* C-00432

▷3,4-Dihydro-*N*,*N*,2-trimethyl-2*H*-1-benzopyran-3-amine, *in* A-00245

▷10,11-Dihydro-*N*,*N*,β-trimethyl-5*H*-dibenz[*b*,*f*]azepine-5-propanamine, *see* T-00516

▷10,11-Dihydro-*N*,*N*,β-trimethyl-5*H*-dibenzo[*a*,*d*]cycloheptene-5-propanamine, *see* B-00424

1,3-Dihydro-*N*,3,3-trimethyl-1-phenylbenzo[*c*]thiophene-1-propanamine, *see* T-00017

2,3-Dihydro-*N*,3,3-trimethyl-1-phenyl-1*H*-indene-1-propanamine, *see* P-00438

1,3-Dihydro-*N*,3,3-trimethyl-1-phenyl-1-isobenzofuranpropanamine, *see* T-00014

4,8-Dihydro-1,3,8-trimethyl-4-phenylpyrazolo[3,4-*b*][1,4]-diazepine-5,7(1*H*,6*H*)-dione, *see* Z-00034

▷3,7-Dihydro-1,3,7-trimethyl-1*H*-purine-2,6-dione, *see* C-00010

9,10-Dihydro-*N*,*N*,10-trimethyl-2-(trifluoromethyl)-9-anthracenepropanamine, *see* F-00192

3,4-Dihydro-2,5,8-trimethyl-2-(4,8,12-trimethyltridecyl)-2*H*-1-benzopyran-6-ol, *see* T-00336

Dihydrovalepotriate, *see* D-00305

Dihydrovaltrate, D-00305

11,14-Dihydroxy-7,9(11),13-abietatriene-6,12-dione, *in* T-00035

6α,11-Dihydroxy-7,9(11),13-abietatrien-12-one, *see* T-00036

Dihydroxyaluminium aminoacetate, *see* G-00067

Dihydroxyaluminum carbonate, D-00306

Dihydroxy aluminum sodium carbonate, *in* D-00306

Dihydroxyaluminum sodium carbonate, D-00307

4,4′-(3α,17β-Dihydroxy-5α-androstan-2β,16β-ylene)bis[1,1-dimethylpiperazinium] diacetate, *see* P-00277

3,5-Dihydroxyanisole, *in* B-00076

▷1,8-Dihydroxy-9,10-anthracenedione, *see* D-00308

▷1,8-Dihydroxy-9(10*H*)-anthracenone, *see* D-00310

▷1,8-Dihydroxyanthraquinone, D-00308

1,8-Dihydroxyanthraquinone-3-carboxylic acid, *see* D-00309

4,5-Dihydroxyanthraquinone-2-carboxylic acid, D-00309

▷1,8-Dihydroxyanthrone, D-00310

▷3,4-Dihydroxybenzaldehyde, D-00311

▷1,3-Dihydroxybenzene, *see* B-00073

▷1,4-Dihydroxybenzene, *see* B-00074

2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312
2,5-Dihydroxybenzenesulfonic acid, D-00313
2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, D-00314
▷3,9-Dihydroxy-6*H*-benzofuro[3,2-*c*][1]benzopyran-6-one, *see* C-00558
▷6′,7-Dihydroxybenzofuro[3′,2′,3,4]coumarin, *see* C-00558
2,3-Dihydroxybenzoic acid, D-00315
▷2,5-Dihydroxybenzoic acid, D-00316
2,6-Dihydroxybenzoic acid, D-00317
▷2,4-Dihydroxybenzophenone, D-00318
1-(3,4-Dihydroxybenzyl)-6,7-isoquinolinediol, *see* P-00020
1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]-amino]-9,10-anthracenedione, *see* M-00407
3,14-Dihydroxy-4,20,22-bufatrienolide, D-00319
▷Dihydroxybusulfan, *in* T-00219
2,3-Dihydroxybutanedioic acid, *see* T-00028
▷3β,14β-Dihydroxy-5β-card-20(22)-enolide, *see* D-00274
▷2′,4′-Dihydroxychalcone, *see* D-00347
3,7-Dihydroxy-24-cholanoic acid, D-00320
3,12-Dihydroxy-24-cholanoic acid, D-00321
▷1α,25-Dihydroxycholecalciferol, *in* A-00109
▷3,4-Dihydroxycinnamic acid 1-carboxy-4,5-dihydroxy-1,3-cyclohexylene ester, *see* C-00643
▷7,12-Dihydroxycoumestan, *see* C-00558
7-[β-(β,β′-Dihydroxydiethyl)aminoethyl]theophylline, *see* V-00016
4,4′-Dihydroxy-α,β-diethyldiphenylethane, *see* B-00220
▷Dihydroxydiethyl sulfide, *see* T-00195
6,7-Dihydroxy-1-(3,4-dihydroxybenzyl)isoquinoline, *see* P-00020
[3′,6′-Dihydroxy-2′,7′-diiodospiro[3*H*-2,1-benzoxathiole-3,9′-[9*H*]xanthen]-4′-yl]hydroxymercury *S*,*S*-dioxide, *see* M-00111
▷6,11-Dihydroxy-3,8-dimethoxy-1-methyl-10*H*-benzo[*b*]-xanthene-7,10,12-trione, *see* B-00165
▷4-(2,4-Dihydroxy-3,3-dimethylbutyramido)butyric acid, *see* H-00088
3,5-Dihydroxy-4,4-dimethyl-2,5-cyclohexadien-1-one, *in* D-00427
11,15-Dihydroxy-17,20-dimethyl-6,9-dioxoprost-13-en-1-oic acid methyl ester, *see* O-00060
4,4′-Dihydroxy-2,2′-dimethyldiphenylmethane-3,3′-disulfonic acid, *see* D-00216
▷3,6-Dihydroxy-6, *N*-dimethyl-4,5-epoxymorphinan, *see* M-00245
11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid, D-00322
▷11,15-Dihydroxy-16,16-dimethyl-9-oxa-2,13-prostadienoic acid, D-00323
N-(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)-β-alanine, *see* P-00016
▷4-[(2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl)amino]butanoic acid, *see* H-00088
11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid, D-00324
11,15-Dihydroxy-17,20-dimethyl-9-oxoprosta-2,13-dien-1-oic acid, *see* L-00050
11β,17-Dihydroxy-6,16α-dimethyl-2′-phenyl-21-[(3-suflobenzoyl)oxy]-2′*H*-pregna-2,4,6-trieno[3,2-*c*]pyrazol-20-one, *see* C-00550
▷11β,21-Dihydroxy-3,20-dioxo-4-pregnen-18-al, *see* A-00106
2,2′-Dihydroxydiphenyl ether, D-00325
3,3′-Dihydroxydipropylamine, *see* I-00037
3,4-Dihydroxyephedrine, *see* D-00477
11β,13-Dihydroxyepitulipinolide, *in* H-00134
4,17β-Dihydroxyestr-4-en-3-one 17-cyclopentanepropionate, *see* O-00072
6,8-Dihydroxyflavone, D-00326
2,7-Dihydroxy-9*H*-fluoren-9-one, D-00327
11,15-Dihydroxy-9-fluoro-16-phenoxy-17,18,19,20-tetranor-5,13-prostadienoic acid, *see* F-00170
▷Dihydroxyfuratrizine, *in* F-00280
11β,17*a*-Dihydroxyhomopregna-1,4-diene-3,20-dione 17*a*-butyrate, *see* D-00574
▷3,5-Dihydroxy-α-[[(*p*-hydroxy-α-methylphenethyl)amino]-methyl]benzyl alcohol, *see* F-00064
3,5-Dihydroxy-2-(3-hydroxy-1-octenyl)-cyclopentaneheptanoic acid, *see* T-00484
▷2,4-Dihydroxy-*N*-(3-hydroxypropyl)-3,3-dimethylbutanamide, *see* P-00015
7-[3,5-Dihydroxy-2-[3-hydroxy-4-(3-thienyloxy)-1-butenyl]-cyclopentyl]-5-heptenoic acid, *see* T-00244
7-[3,5-Dihydroxy-2-[3-hydroxy-4-[3-(trifluoromethyl)-phenoxy]-1-butenyl]cyclopentyl]-5-heptenoic acid, *see* F-00212
▷7-[3,5-Dihydroxy-2-[3-hydroxy-4-[3-(trifluoromethyl)-phenoxy]-1-butenyl]cyclopentyl]-2,5-heptadienoic acid methyl ester, *see* F-00266
▷3,4-Dihydroxy-α-[(isopropylamino)methyl]benzyl alcohol, *see* I-00198
▷3,5-Dihydroxy-α-[(isopropylamino)methyl]benzyl alcohol, *see* O-00053
3′,4′-Dihydroxy-2-isopropylaminopropiophenone, *see* P-00158
3,4-Dihydroxy-α-[1-(isopropylamino)propyl]benzyl alcohol, *see* I-00185
▷5,6-Dihydro-2-(2,6-xylidine)-4*H*-1,3-thiazine, *see* X-00021
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
▷11,15-Dihydroxy-*N*-methanesulfonyl-9-oxo-16-phenoxy-17,18,19,20-tetranorprosta-5,13-dienamide, *see* S-00261
2,11-Dihydroxy-10-methoxyaporphine, *see* M-00452
2,4-Dihydroxy-2′-methoxybenzophenone, *in* T-00472
3,4′-Dihydroxy-5-methoxybibenzyl, *in* D-00345
4,4′-Dihydroxy-3,3′-(2-methoxyethylidene)dicoumarin, *see* C-00573
▷5,7-Dihydroxy-4′-methoxyflavone, D-00329
5,7-Dihydroxy-4′-methoxyisoflavone, D-00330
6,9-Dihydroxy-7-methoxy-3-methylbenz[*g*]isoquinoline-5,10-dione, *see* B-00259
11,15-Dihydroxy-16-methoxy-16-methyl-9-oxoprost-13-en-1-oic acid methyl ester, *see* M-00352
▷2-[[2,4-Dihydroxy-6-methoxy-3-(1-oxobutyl)phenyl]methyl]-3,5-dihydroxy-4,4-dimethyl-6-(1-oxobutyl)-2,5-cyclohexadien-1-one, *see* D-00091
▷5,7-Dihydroxy-2-(4-methoxyphenyl)-4*H*-1-benzopyran-4-one, *see* D-00329
5,7-Dihydroxy-3-(4-methoxyphenyl)-4*H*-1-benzopyran-4-one, *see* D-00330
▷3′,4′-Dihydroxy-2-methylaminoacetophenone, *see* A-00076
3,4-Dihydroxy-α-[1-(methylamino)ethyl]benzyl alcohol, *see* D-00477
▷3,4-Dihydroxy-α-[(methylamino)methyl]benzyl alcohol, *see* A-00075
4,17-Dihydroxy-17-methyl-1,4-androstadien-3-one, D-00331
4,17β-Dihydroxy-17α-methyl-4-androsten-3-one, *see* O-00152
▷Dihydroxymethylarsine oxide, *see* M-00226
6,7-Dihydroxy-4-methyl-2*H*-1-benzopyran-2-one, D-00332
9-(2,3-Dihydroxy-2-methylbutoxy)-4-methoxy-7*H*-furo[3,2-*g*]-[1]benzopyran-7-one, *see* B-00435
6,7-Dihydroxy-4-methylcoumarin, *see* D-00332
1,1-Dihydroxymethylcyclopentane *N*,*N*′-diphenylcarbamate, *see* C-00587
▷11,21-Dihydroxy-16,17-[(1-methylethylidene)bis(oxy)]-pregna-1,4-diene-3,20-dione, *see* D-00101
Di[4-(4-hydroxy-2-methyl-5-isopropylphenylazo)phenyl]sulfone, *see* D-00146
11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)-amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, *in* M-00297
▷1,4-Dihydroxy-2-methylnaphthalene, D-00333
▷11α,17β-Dihydroxy-17-methyl-3-oxoandrosta-1,4-diene-2-carboxaldehyde, *see* F-00245
11,17-Dihydroxy-17-methyl-3-oxoandrosta-1,4-diene-2-carboxylic acid, *see* R-00098
2-(1,2-Dihydroxy-3-methyl-5-oxocyclohexyl)-3,11-dihydroxy-11-(hydroxymethyl)-9-methyl-1-oxa-5-azaspiro[5.5]undeca-2,4-dien-7-one, *see* L-00031
11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, D-00334
▷8,9-Dihydroxy-2-methyl-4-oxo-4*H*,5*H*-pyrano[3,2-*c*][1]-benzopyran-10-carboxylic acid, *see* C-00404

11,15-Dihydroxy-15-methyl-9-oxo-13-thiaprostanoic acid *p*-benzoylaminophenyl ester, *see* T-00318

▷1,2-Dihydroxy-3-(2-methylphenoxy)propane, *see* M-00283

3,4-Dihydroxy-α-[(1-methyl-3-phenylpropyl)amino]-propiophenone, D-00335

11β,17-Dihydroxy-21-(4-methyl-1-piperazinyl)pregna-1,4-diene-3,20-dione, *see* M-00030

17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione, D-00336

▷11,21-Dihydroxy-2′-methyl-5′*H*-pregna-1,4-dieno[17,16-*d*]-oxazole-3,20-dione 21-acetate, *see* D-00046

N,*N*′-Di(1-hydroxymethylpropyl)ethylenediamine, *see* E-00148

Dihydroxy(6-methyl-8-quinolinato)bismuth, *see* M-00036

6,7-Dihydroxy-4-(morpholinomethyl)coumarin, *see* F-00237

6,7-Dihydroxy-4-(4-morpholinylmethyl)-2*H*-1-benzopyran-2-one, *see* F-00237

N,3-Dihydroxy-4-(1-naphthalenyloxy)butanimidamide, *see* N-00007

2,6-Dihydroxy-3-nitro-3′,5′-bis(trifluoromethyl)-benzanilide diacetate, *see* F-00216

▷*N*-(1,1′-Dihydroxy-1-*p*-nitrophenylisopropyl)dichloroacetamide, *see* C-00195

3,4-Dihydroxynorephedrine, *see* A-00249

▷2,3-Dihydroxy-1-octadecyloxypropane, D-00337

1-[4,5-Dihydroxy-N^2-[4-(octyloxy)benzoyl]-L-ornithine]-echinocandin *B*, *see* C-00345

▷3β,14β-Dihydroxy-19-oxo-5α-bufa-20,22-dienolide, *see* B-00262

1,8-Dihydroxy-10-(1-oxobutyl)-9(10*H*)-anthracenone, *see* B-00393

7-[3,5-Dihydroxy-2-(3-oxooctyl)cyclopentyl]-5-heptenoic acid, *see* D-00340

9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid, D-00338

11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339

9,11-Dihydroxy-15-oxo-5-prostenoic acid, D-00340

11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341

11,16-Dihydroxy-9-oxo-13-prostenoic acid, D-00342

11,15-Dihydroxy-9-oxo-5-prosten-13-ynoic acid, D-00343

▷3,9-Dihydroxy-6-oxopterocarpen, *see* C-00558

N,*N*′-[(3,6-Dihydroxy-3-oxospiro[isobenzofuran-1(3*H*),9′-[9*H*]-xanthene]-2′,7′-diyl)bis(methylene)]bis[*N*-(carboxymethyl)-glycine, *see* O-00033

▷3,4-Dihydroxyphenethylamine, *see* D-00579

▷7-[3,5-Dihydroxy-2-[2-[2-(phenoxymethyl)-1,3-dioxolan-2-yl]-ethenyl]cyclopentyl]-5-heptenoic acid, *see* E-00239

2,5-Dihydroxyphenylalanine, D-00344

3,4-Dihydroxyphenylalanine, *see* A-00248

β-(2,5-Dihydroxyphenyl)alanine, *see* D-00344

3,4-Dihydroxyphenylaminopropanol, *see* A-00249

6,8-Dihydroxy-2-phenyl-4*H*-1-benzopyran-4-one, *see* D-00326

2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2*H*-1-benzopyran-3,4,5,7-tetrol, *see* H-00054

2-(3,4-Dihydroxyphenyl)-3,4-dihydro-2*H*-1-benzopyran-3,5,7-triol, *see* P-00081

3-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-8-methoxy-4*H*-1-benzopyran-4-one, *see* T-00138

▷2-(3,4-Dihydroxyphenyl)ethylamine, *see* D-00579

6-[[(3,4-Dihydroxyphenyl)[[(4-ethyl-2,3-dioxo-1-piperazinyl)-carbonyl]amino]acetyl]amino]-6-(formylamino)-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* F-00239

N-[2-(3,4-Dihydroxyphenyl)ethyl]tricyclo[3.3.1.$1^{3,7}$]-decane-1-carboxamide, *see* D-00578

▷1-(2,4-Dihydroxyphenyl)hexane, *see* H-00071

▷7-[2-[[2-(3,4-Dihydroxyphenyl)-2-hydroxyethyl]amino]ethyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* T-00167

▷7-[3-[[2-(3,5-Dihydroxyphenyl)-2-hydroxyethyl]amino]-propyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* R-00026

1-(3,5-Dihydroxyphenyl)-2-(4-hydroxyphenyl)ethane, D-00345

(2,4-Dihydroxyphenyl)(2-hydroxyphenyl)methanone, *see* T-00472

1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, D-00346

Dihydroxyphenylisatin, *see* O-00160

α-(3,4-Dihydroxyphenyl)-4-(2-methoxyphenyl)-1-piperazineethanol, *see* P-00307

L-3-(3,4-Dihydroxyphenyl)-2-methylalanine, *see* M-00249

▷1-(3,4-Dihydroxyphenyl)-2-methylaminoethanol, *see* A-00075

▷1-(3,4-Dihydroxyphenyl)-2-(methylamino)ethanone, *see* A-00076

1-(3,4-Dihydroxyphenyl)-2-methylamino-1-propanol, *see* D-00477

1-(3,4-Dihydroxyphenyl)-2-[(1-methylethyl)amino]-1-propanone, *see* P-00158

1-[(3,4-Dihydroxyphenyl)methyl]-6,7-isoquinolinediol, *see* P-00020

1-(3,4-Dihydroxyphenyl)-2-(α-methyl-3,4-methylenedioxyphenethylamino)ethanol, *see* P-00540

1-(3,4-Dihydroxyphenyl)-2-[(1-methyl-3-phenylpropyl)amino]-1-propanone, *see* D-00335

▷(2,4-Dihydroxyphenyl)phenylmethanone, *see* D-00318

▷1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one, D-00347

α-(3,4-Dihydroxyphenyl)-2-piperidinemethanol, *see* R-00058

3,4-Dihydroxyphenylpropanolamine, *see* A-00249

2,3-Dihydroxy-4-phenylquinoline, *see* H-00196

▷2,4-Dihydroxyphenyl styryl ketone, *see* D-00347

1,3-Di-*p*-hydroxyphenylthiourea, *see* B-00222

Dihydroxyphosphinecarboxylic acid oxide, *see* P-00216

Dihydroxyphosphinylacetic acid, *see* P-00215

▷Dihydroxyphthalophenone, *see* P-00162

▷5,6-Dihydroxypolyangioic acid, *see* A-00171

5-*epi*-5,6-Dihydroxypolyangioic acid, *in* A-00171

11,17-Dihydroxy-1,4-pregnadiene-3,20-dione, D-00348

▷17α,21-Dihydroxy-1,4-pregnadiene-3,11,20-trione, *see* P-00413

▷3α,21-Dihydroxypregnane-11,20-dione, *in* H-00200

16α,17α-Dihydroxy-4-pregnen-3,20-dione, *see* A-00114

▷11β,21-Dihydroxy-4-pregnene-3,20-dione, *see* C-00546

17,21-Dihydroxy-4-pregnene-3,20-dione, D-00349

▷17α,21-Dihydroxy-4-pregnene-3,11,20-trione, *see* C-00549

▷9-(1,3-Dihydroxy-2-propoxymethyl)guanine, D-00350

9-(2,3-Dihydroxy-1-propoxymethyl)guanine, D-00351

Di(3-hydroxypropyl)amine, *see* I-00037

▷2,3-Dihydroxypropylamine, *see* A-00317

[2-[(2,3-Dihydroxypropyl)amino]-2-methylpropyl]urea, D-00352

▷2,3-Dihydroxypropyl 2-(7-chloro-4-quinolinyl)aminobenzoate, *see* G-00027

▷2,3-Dihydroxypropyl *N*-(7-chloro-4-quinolyl)anthranilate, *see* G-00027

▷7-(2,3-Dihydroxypropyl)-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione,, *see* D-00523

N-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone, D-00353

N′-(1,3-Dihydroxy-2-propyl)kanamycin *C*, *see* P-00502

3-(2,3-Dihydroxypropyl)-2-methyl-4(3*H*)-quinazolinone, *see* D-00526

▷7-(2,3-Dihydroxypropyl)theophylline, *see* D-00523

7-(2,3-Dihydroxypropyl)theophylline dinicotinate, *see* D-00466

▷2,6-Dihydroxypurine, *see* X-00002

▷3′,6′-Dihydroxyspiro[isobenzofuran-1(3*H*),9′-[9*H*]-xanthen]-3-one, *see* F-00180

▷3′,6-Dihydroxy-2′,4′,5′,7′-tetraiodospiro[isobenzofuran-1(3*H*),9′(9*H*)xanthen]-3-one, *see* E-00118

4,4′-Dihydroxythiocarbanilide, *see* B-00222

3,4-Dihydroxy-2,5-thiophenedicarboxylic acid dipropyl ester, *see* P-00538

▷α,2-Dihydroxytoluene, *see* H-00116

3,3′-Dihydroxy-4′,5,7-trimethoxyflavan, *in* P-00081

3,4′-Dihydroxy-3′,5,7-trimethoxyflavan, *in* P-00081

3′,5-Dihydroxy-4′,6,7-trimethoxyflavone, D-00354

5,7-Dihydroxy-3′,4′,6-trimethoxyflavone, D-00355

3,5-Dihydroxy-3′,4′,7-tris(2-hydroxyethoxy)-3-[6-*O*-(6-deoxy-α-L-mannopyranosyl)-β-D-glucopyranoside]flavone, *see* T-00559

▷2,5-Dihydroxy-3-undecyl-1,4-benzoquinone, D-00356

▷2,5-Dihydroxy-3-undecyl-2,5-cyclohexadiene-1,4-dione, *see* D-00356

1,6-Dihydroxy-9*H*-xanthen-9-one, *see* D-00357
1,6-Dihydroxyxanthone, D-00357
3,3′-Di(2-imidazolin-2-yl)carbanilide, *see* I-00034
N-[Diiodobenzoyl]glycine, *see* D-00470
Diiodobuphenine, *see* B-00348
Diiodohippuric acid, *see* D-00470
3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358
▷Diiodohydroxyquinoline, *see* D-00364
Diiodomethanesulfonic acid, D-00359
▷2,6-Diiodo-4-nitrophenol, D-00360
9,10-Diiodooctadecanoic acid, D-00361
3,5-Diiodo-4-oxo-1(4*H*)-pyridineacetic acid, *see* D-00363
▷3,5-Diiodo-4(1*H*)-pyridinone, D-00362
3,5-Diiodo-4-pyridone-1-acetic acid, D-00363
▷5,7-Diiodo-8-quinolinol, D-00364
9,10-Diiodostearic acid, *see* D-00361
3,5-Diiodotyrosine, D-00365
▷4,4′-(2,3-Diisocyano-1,3-butadiene-1,4-diyl)bisphenol, *see* X-00005
▷4-[2,3-Diisocyano-4-(4-methoxyphenyl)-1,3-butadienyl]phenol, *in* X-00005
Diisopromine, D-00366
▷2′-[2-(Diisopropylamino)ethoxy]butyrophenone, *in* K-00015
▷*O*-[2-(Diisopropylamino)ethoxy]-α-propylbenzyl alcohol, *see* K-00015
▷α-[2-(Diisopropylamino)ethyl]-α-phenyl-2-pyridineacetamide, *see* D-00537
5′,5″-Diisopropyl-2′,2″-dimethylphenolphthalein, *see* T-00224
▷2,2-Diisopropyl-1,3-dioxolane-4-methanol, *see* P-00481
N,*N*-Diisopropyl-3,3-diphenylpropylamine, *see* D-00366
Diisopropyl-1,3-dithiole-$\Delta^{2,\alpha}$-malonate, *see* M-00016
▷Diisopropyl fluorophosphate, *see* D-00368
▷Diisopropyl fluorophosphonate, *see* D-00368
▷2,2-Diisopropyl-4-hydroxymethyl-1,3-dioxolane, *see* P-00481
2,3:4,5-Di-*O*-isopropylidenefructopyranose, *see* T-00382
2,3:4,6-Di-*O*-isopropylidene-β-L-*xylo*-2-hexulosonic acid, *in* H-00070
1,2:4,5-Di-*O*-isopropylidene-*myo*-inositol, *in* I-00074
▷2,6-Diisopropylphenol, D-00367
(2,6-Diisopropylphenylcarbamoylmethylimino)diacetic acid, *see* D-00536
▷Diisopropyl phosphorofluoridate, D-00368
▷1,4-Diisothiocyanatobenzene, D-00369
Dijozol, *see* D-00358
Dikegulac, *in* H-00070
▷Dikegulac sodium, *in* H-00070
▷Dikol, *see* I-00100
▷Dilabil, *see* D-00049
Dilabron, *see* I-00185
▷Dilabron "Warner", *in* C-00071
Dilacorine, *see* M-00231
▷Dilakton, *see* S-00125
Dilamet, *see* L-00097
▷Dilanacin, *see* D-00275
▷Dilangio, *in* B-00042
Dilaster, *see* C-00551
▷Dilaudid, *in* H-00102
Dilazep, D-00370
▷Diletan, *in* A-00504
Dilevalol, *in* L-00001
Dilevalol hydrochloride, *in* L-00001
Dilmefone, D-00371
Diloderm, *in* D-00177
▷Dilospan *S*, *see* B-00076
▷Dilosyn, *in* M-00177
Diloxanide, D-00372
Diloxanide furoate, *in* D-00372
Diltiazem, D-00373
▷Diltiazem hydrochloride, *in* D-00373
Dilurgen, *see* M-00112
▷Dilvasene, *in* O-00091
▷Dilvax, *see* I-00020
Dimabefylline, D-00374
▷Dimalone, *in* B-00157
▷Dimantine, *in* O-00012
Dimaten, *in* T-00296
Dimazole, *see* D-00143
▷Dimazon, *see* D-00117
Dimeberine chloride, *in* T-00571
Dimecamine, D-00375
Dimecarbine, *in* H-00163
Dimecipronic acid, *see* C-00606
Dimeclofenone, *in* M-00440
▷Dimecolin, *in* D-00376
Dimecolonium(2+), D-00376
▷Dimecolonium iodide, *in* D-00376
Dimecrotic acid, *see* D-00400
Dimeditiapramine, *see* T-00241
▷Dimefadane, *in* P-00191
▷Dimefline, D-00377
Dimefline hydrochloride, *in* D-00377
Dimekamin, *see* D-00375
Dimelazine, D-00378
▷Dimelin, *see* A-00023
▷Dimelin, *in* D-00376
▷Dimelor, *see* A-00023
Dimemorfan, D-00379
Dimene, *in* E-00193
▷Dimenhydrinate, *in* D-00484
Dimenoxadol, *see* D-00380
Dimenoxadole, D-00380
Dimephebumine, *see* V-00027
Dimepheprimine, *see* P-00469
Dimepheptanol, *see* M-00162
Dimepranol, *in* D-00419
Dimepregnen, D-00381
▷Dimepropion, D-00382
Dimeprotane hydrochloride, *in* P-00512
Dimeprozan, D-00383
▷Dimeray, *in* I-00093
▷Dimercaprol, *see* D-00385
▷2,3-Dimercaptobutanedioic acid, D-00384
▷2,3-Dimercapto-1-propanol, D-00385
▷2,3-Dimercaptosuccinic acid, *see* D-00384
▷Dimerex, *in* I-00093
▷Dimeron, *see* D-00249
▷Dimersol, *see* D-00385
Dimesna, *in* D-00550
Dimesone, D-00386
Dimestrol, *in* D-00257
▷Dimetacrine, D-00387
Dimetagrel, D-00388
▷Dimetaine, *in* B-00325
▷Dimetamfenol, *in* A-00298
▷Dimetamfetamine, *in* P-00202
▷Dimetapp, *in* A-00308
▷Dimethacrine, *see* D-00387
Dimethadione, *see* D-00439
Dimethazan, D-00389
Dimethazine, *in* H-00153
Dimethazine, *see* M-00037
▷Dimethibutin, *see* D-00455
Dimethicone, D-00390
▷Dimethindene, D-00391
▷Dimethindene maleate, *in* D-00391
Dimethiodal, *see* D-00359
▷Dimethiodal sodium, *in* D-00359
Dimethisoquin, D-00392
▷Dimethisterone, D-00393
▷Dimethocaine, D-00394
Dimetholizine, D-00395
▷Dimethothiazine, D-00396
Dimethoxanate, D-00397
10,11-Dimethoxyajmalicine, *in* A-00087
1,8-Dimethoxyanthraquinone, *in* D-00308
1,8-Dimethoxyanthrone, *in* D-00310
6-(2,6-Dimethoxybenzamido)penicillanic acid, *see* M-00180
▷3,4-Dimethoxybenzoic acid 4-[ethyl[2-(4-methoxyphenyl)-1-methylethyl]amino]butyl ester, *see* M-00033
1-(3,4-Dimethoxybenzoyl)-4-(1,2,3,4-tetrahydro-2-oxo-6-quinolinyl)piperazine, *see* V-00026

▷*N*-(3,4-Dimethoxycinnamoyl)anthranilic acid, *see* T-00397
Dimethoxydiethylstilbene, *in* D-00257
▷6,7-Dimethoxy-1-(3,4-dimethoxybenzyl)isoquinoline, *see* P-00019
2-(3,6-Dimethoxy-2,4-dimethylbenzyl)-2-imidazoline, *see* D-00572
2-[(3,6-Dimethoxy-2,4-dimethylphenyl)methyl]-4,5-dihydro-1*H*-imidazole, *see* D-00572
Dimethoxyeburnamonine, *in* E-00003
Di-[2-[*N*-(2′-methoxyethyl)amino]cyclopent-1-en-1-thiocarbonyl]disulfide, *see* D-00552
6,8-Dimethoxyflavone, *in* D-00326
2,7-Dimethoxy-9-fluorenone, *in* D-00327
4,7-Dimethoxy-α-(2,4-hydroxyphenylethyl)-6-[2-(1-piperidinyl)-ethoxy]-5-benzofuranmethanol, *see* P-00309
4-[(6,7-Dimethoxy-1-isoquinolyl)methyl]-pyrocatecholdinicotinate, *see* N-00091
▷5-[[3,5-Dimethoxy-4-(2-methoxyethoxy)phenyl]methyl]-2,4-pyrimidinediamine, *see* T-00158
3,4-Dimethoxy-α-[3-[[2-(3-methoxyphenyl)ethyl]methylamino]-propyl]-α-(1-methylethyl)benzeneacetonitrile, *see* D-00110
5,6-Dimethoxy-3-[2-[4-(2-methoxyphenyl)-1-piperazinyl]-ethyl]-2-methyl-1*H*-indole, *see* M-00375
6,7-Dimethoxy-2-[2-[4-(4-methoxyphenyl)-1-piperazinyl]-ethyl]-4(1*H*)-quinazolinone, *see* P-00113
2,3-Dimethoxy-5-[(methylamino)sulfonyl]-*N*-[(1-methyl-2-pyrrolidinyl)methyl]benzamide, *see* S-00266
Dimethoxymethylarsine oxide, *in* M-00226
2,4-Dimethoxy-α-methylbenzhydrol, *see* F-00060
6,7-Dimethoxy-4-methyl-2*H*-1-benzopyran-2-one, *in* D-00332
2,4-Dimethoxy-β-methylcinnamic acid, *see* D-00400
▷4,9-Dimethoxy-7-methyl-5*H*-furo[3,2-*g*][1]benzopyran-5-one, *see* K-00022
1,2-Dimethoxy-4-methyl-5-(methylsulfinyl)benzene, *see* D-00398
▷3,4-Dimethoxy-17-methylmorphinan-6β,14-diol, *see* D-00612
▷Dimethoxymethylphenobarbital, *in* E-00218
2,4-Dimethoxy-α-methyl-α-phenylbenzenemethanol, *see* F-00060
1-(2,5-Dimethoxy-4-methylphenyl)-2-butylamine, *see* D-00461
5-[(4,5-Dimethoxy-2-methylphenyl)methyl]-2,4-pyrimidinediamine, *see* O-00057
(4,5-Dimethoxy-2-methylphenyl) methyl sulfoxide, D-00398
▷5,6-Dimethoxy-2-methyl-3-[2-(4-phenyl-1-piperazinyl)ethyl], *see* O-00157
3,4-Dimethoxy-*N*-(1-methyl-2-pyrrolidinylidene)-benzeneethanamine, *see* M-00410
5,6-Dimethoxy-4-methyl-2(1*H*)-quinazolinone, *see* B-00031
4,9-Dimethoxy-7-[(methylthio)methyl]-5*H*-furo[3,2-*g*][1]-benzopyran-5-one, *see* T-00281
5-[[3,5-Dimethoxy-4-(methylthio)phenyl]methyl]-2,4-pyrimidinediamine, *see* M-00320
3,9-Dimethoxy-6-oxopterocarpen, *in* C-00558
5,5-Dimethoxypentanal, *in* P-00090
p-[3-[(3,4-Dimethoxyphenethyl)amino]-2-hydroxypropoxy]-β-methylcinnamonitrile, *see* P-00001
α-[[(3,4-Dimethoxyphenethyl)amino]methyl]-*p*-hydroxybenzyl alcohol, *see* D-00074
3,4-Dimethoxyphenethyl-[3-[2-(3,4-dimethoxyphenyl)-1,3-dithian-2-yl]propyl]methylamine *S*,*S*,*S*′,*S*′-tetraoxide, *see* T-00241
2-[(3,4-Dimethoxyphenethyl)imino]-1-methylpyrrolidine, *see* M-00410
5-[(3,4-Dimethoxyphenethyl)methylamino]-2-isopropyl-2-(3,4,5-trimethoxyphenyl)valeronitrile, *see* G-00006
2-[3-[(3,4-Dimethoxyphenethyl)methylamino]propyl]-5,6-dimethoxphthalimidine, *see* F-00011
3,5-Dimethoxyphenol, *in* B-00076
2-(3,5-Dimethoxyphenoxy)ethanol, D-00399
3-(2,4-Dimethoxyphenyl)-2-butenoic acid, D-00400
3-(2,4-Dimethoxyphenyl)crotonic acid, *see* D-00400
6-(3,4-Dimethoxyphenyl)-4,5-dihydro-5-(hydroxymethyl)-3(2*H*)-pyridazinone, *see* D-00573
2-(3,4-Dimethoxyphenyl)-5,7-dihydroxy-6-methoxy-4*H*-1-benzopyran-4-one, *see* D-00355
2-(3,4-Dimethoxyphenyl)-*N*-[2-(3,4-dimethoxyphenyl)ethyl]-*N*-methyl-1,3-dithiane-2-propanamine 1,1,3,3-tetraoxide, *see* T-00241
α-(3,4-Dimethoxyphenyl)-*N*,*N*-dimethylbenzenebutanamine, *see* V-00027
5-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]-3,4-dihydro-8-(2-oxopropoxy)-2(1*H*)-quinolinone, *see* B-00251
N-[4-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]-3-(5-isoxazolyl)phenyl]butanamide, *see* E-00004
3-[4-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]phenyl]-2-butenenitrile, *see* P-00001
6-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-2-hydroxypropoxy]-3(2*H*)-pyridazinone (1-methylethylidene)-hydrazone, *see* D-00599
α-[[[2-(3,4-Dimethoxyphenyl)ethyl]amino]methyl]-4-hydroxybenzenemethanol, *see* D-00074
1-[[2-(3,4-Dimethoxyphenyl)ethyl]amino]-3-(3-methylphenoxy)-2-propanol, *see* B-00146
6-(3,4-Dimethoxyphenyl)-1-ethyl-3,4-dihydro-3-methyl-4-[(2,4,6-trimethylphenyl)imino]-2(1*H*)-pyrimidinone, D-00401
▷1-(3,4-Dimethoxyphenyl)-5-ethyl-7,8-dimethoxy-4-methyl-5*H*-2,3-benzodiazepine, *see* T-00342
1-(3,4-Dimethoxyphenyl)-4-ethyl-6,7-dimethoxy-3-methyl-isoquinoline-2-imide, *see* T-00341
2-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-2,3-dihydro-5,6-dimethoxy-1*H*-isoindol-1-one, *see* F-00011
▷α-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4-dimethoxy-α-(1-methylethyl)benzeneacetonitrile, *see* V-00019
α-[3-[[2-(3,4-Dimethoxyphenyl)ethyl]methylamino]propyl]-3,4,5-trimethoxy-α-(trimethylethyl)benzeneacetonitrile, *see* G-00006
▷2-[3,4-Dimethoxyphenyl]-5-[*N*-homoveratryl-*N*-methylamino]-2-isopropylvaleronitrile, *see* V-00019
2-[4-[2-(3,4-Dimethoxyphenyl)-2-hydroxyethyl]-1-piperazinyl]-2,4,6-cycloheptatrien-1-one, *see* C-00341
1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, *in* D-00346
2,3-Dimethoxy-*N*-[8-(phenylmethyl)-8-azabicyclo[3.2.1]oct-3-yl]benzamide, *see* T-00548
1-[(3,4-Dimethoxyphenyl)methyl]-6,7-dimethoxy-4-[[4-(2-methoxyphenyl)-1-piperazinyl]methyl]isoquinoline, *see* E-00032
2-[(3,4-Dimethoxyphenyl)methyl]-4-(diphenylmethyl)-1,2-dimethylpiperazine, *see* B-00045
N-[(3,4-Dimethoxyphenyl)methylene]-6,7-dimethoxy-4-quinolinamine, *see* L-00023
6-[(2,5-Dimethoxyphenyl)methyl]-5-methylpyrido[2,3-*d*]-pyrimidine-2,4-diamine, *see* P-00338
5-[(3,4-Dimethoxyphenyl)methyl]-2,4-pyrimidinediamine, *see* D-00147
2-(3,4-Dimethoxyphenyl)-5-methyl-4-thiazolidinone, *see* M-00359
▷2-[[3-(3,4-Dimethoxyphenyl)-1-oxo-2-propenyl]amino]-benzoic acid, *see* T-00397
2,6-Dimethoxyphenylpenicillin, *see* M-00180
1-(2,4-Dimethoxyphenyl)-3-(4-pyridinyl)-2-propen-1-one, *see* D-00371
▷[(Dimethoxyphosphinothioyl)thio]butanedioic acid diethyl ester, *see* M-00013
▷5,6-Dimethoxyphthalaldehydic acid isonicotinylhydrazone, *see* O-00051
1-(6,7-Dimethoxy-1-phthalazinyl)-4-piperidinylethyl carbamate, *see* C-00044
N-[4,7-Dimethoxy-6-[2-(1-piperidinyl)ethoxy]-5-benzofuranyl]-*N*′-methylurea, *see* M-00471
1,3-Dimethoxy-2-propanol, *in* G-00064
2,3-Dimethoxy-1-propanol, *in* G-00064
▷1,2-Dimethoxy-4-(2-propenyl)benzene, *in* M-00215
6,7-Dimethoxy-2-[4-(2-propenyl)-1-piperazinyl]-4-quinazolinamine, *see* Q-00014
3-[(2,4-Dimethoxy-6-propylbenzoyl)oxy]-2,4-dihydroxy-6-pentylbenzoic acid, *see* M-00127

2′,4′-Dimethoxy-3-(4-pyridyl)acrylophenone, *see* D-00371

5-[[4-[[(2,6-Dimethoxy-4-pyrimidinyl)amino]sulfonyl]-phenyl]-azo]-2-hydroxybenzoic acid, *see* S-00007

▷*N*′-(2,6-Dimethoxy-4-pyrimidinyl)sulfanilamide, *see* S-00238

▷*N*′-(4,6-Dimethoxy-2-pyrimidinyl)sulfanilamide, *see* S-00247

▷*N*′-(5,6-Dimethoxy-4-pyrimidinyl)sulfanilamide, *see* S-00193

N-[4,7-Dimethoxy-6-[2-(1-pyrrolidinyl)ethoxy]-5-benzofuranyl]-*N*′-methylurea, *see* C-00085

6,7-Dimethoxy-4-quinolinamine, *see* A-00250

6,7-Dimethoxy-2-[4-(tetrahydrofuran-2-carbonyl)-1-piperazinyl]-4-quinazolinylamine, *see* T-00080

6,7-Dimethoxy-3-(5,6,7,8-tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-*g*]isoquinolin-5-yl)-1(3*H*)-isobenzofuranone, *see* N-00052

6,7-Dimethoxy-1-(3,4,5-triethoxyphenyl)isoquinoline, *see* O-00019

▷10,17-Dimethoxy-18-[(3,4,5-trimethoxybenzoyl)oxy]yohimban-16-carboxylic acid methyl ester, *see* M-00191

6,7-Dimethoxy-4-(veratrylideneamino)quinoline, *see* L-00023

▷Dimethpyrindene, *see* D-00391

▷Dimethylacetonylcarbinol, *see* H-00171

3α-β,β-Dimethylacryloylamino-20α-dimethylamino-5α-pregnane, *in* P-00416

3,5-Dimethyl-1-adamantanamine, D-00402

α,α-Dimethyl-1-adamantaneethylamine, *see* A-00064

2,6*N*-Dimethyladenosine, *in* M-00219

6-*N*-(γ,γ-Dimethylallyl)adenosine, *see* M-00234

7-(3,3-Dimethylallyloxy)coumarin, *in* H-00114

4-Dimethylaminanisole, *in* A-00298

▷(Dimethylamino)acetaldehyde diphenyl acetal, *see* M-00056

[5-[(Dimethylamino)acetyl]-10,11-dihydro-5*H*-dibenz[*b*,*f*]-azepin-3-yl]carbamic acid ethyl ester, *see* B-00252

▷10-[(Dimethylamino)acetyl]-10*H*-phenothiazine, D-00403

3-Dimethylaminoanisole, *in* A-00297

▷4-(Dimethylamino)antipyrine, *see* A-00327

6-Dimethylamino-8-azaadenosine, D-00404

p-Dimethylaminobenzenestibonic acid, *in* A-00212

▷4-(Dimethylamino)benzoic acid, D-00405

4-Dimethylaminobenzonitrile, *in* D-00405

7-[*p*-(Dimethylamino)benzyl]theophylline, *see* D-00374

4-Dimethylaminobutanoic acid, *in* A-00221

▷3-[[(Dimethylamino)carbonyl]oxy]-1-methylpyridinium, *see* P-00578

3-[[(Dimethylamino)carbonyl]oxy]-1-(phenylmethyl)-pyridinium(1+), *see* B-00101

▷3-[[(Dimethylamino)carbonyl]oxy-*N*,*N*,*N*-trimethyl-benzenaminium, *see* N-00070

N-[1-[(Dimethylamino)carbonyl]propyl]-*N*-ethyl-2-butenamide, *see* C-00569

N-[1-[(Dimethylamino)carbonyl]propyl]-*N*-propyl-2-butenamide, *see* C-00566

3-[[5-[(Dimethylamino)carbonyl]-3-pyrrolidinyl]thio]-6-(1-hydroxyethyl)-4-methyl-7-oxo-1-azabicyclo[3.2.0]hept-2-ene-2-carboxylic acid, *see* M-00128

▷3β-Dimethylamino-5-conanene, *see* C-00540

▷3β-(Dimethylamino)con-5-enine, *see* C-00540

3-(Dimethylamino)-6,8-difluoro-1,2,3,4-tetrahydrocarbazole, *see* F-00136

1-(Dimethylamino)-3-(10,11-dihydro-5*H*-dibenzo[*a*,*d*]-cyclohepten-5-ylidene)-2-propanone, *see* C-00554

▷4-(Dimethylamino)-1,2-dihydro-1,5-dimethyl-3*H*-pyrazol-3-one, *see* A-00327

4-(Dimethylamino)-α,2-dimethylbenzeneethanamine, *see* A-00193

N-[3-(Dimethylamino)-1,3-dimethylbutyl]-3,4-dihydro-6,7-dimethoxy-2,1-benzoxathian-3-carboxamide 1,1-dioxide, *see* T-00324

4-(Dimethylamino)-α,2-dimethylphenethylamine, *see* A-00193

4-(Dimethylamino)-*N*-(2,6-dimethylphenyl)-1-(2-hydroxycyclohexyl)-4-piperidinecarboxamide, *see* T-00398

▷4-Dimethylamino-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one, *see* A-00327

6-(Dimethylamino)-2-[2-(2,5-dimethyl-1-phenyl-1*H*-pyrrol-3-yl)ethenyl]-1-methylquinolinium, *see* V-00052

6-(Dimethylamino)-2-[2-(2,5-dimethyl-1-phenylpyrrol-3-yl)-vinyl]-1-methylquinolinium, *see* V-00052

3-[(Dimethylamino)(1,3-dioxan-5-yl)methyl]pyridine, D-00406

6-Dimethylamino-4,4-diphenyl-3-heptanol, *see* M-00162

▷6-Dimethylamino-4,4-diphenyl-3-heptanone, *see* M-00163

▷6-Dimethylamino-4,4-diphenyl-3-hexanone, D-00407

▷2-(Dimethylamino)-*N*-(1,3-diphenylpyrazol-5-yl)propionamide, *see* D-00262

▷4-(Dimethylamino)-2,2-diphenylvaleramide, *see* A-00296

▷2-(Dimethylamino)ethanethiol, *in* A-00252

▷2-Dimethylaminoethanol, D-00408

5-[2-(Dimethylamino)ethoxy]-7*H*-benzo[*c*]fluoren-7-one, D-00409

▷5-[2-(Dimethylamino)ethoxy]carvacrol acetate, *see* T-00227

2-[α-[2-(Dimethylamino)ethoxy]-2,6-diethylbenzyl]pyridine, *see* P-00601

▷1-[6-[2-(Dimethylamino)ethoxy]-4,7-dimethoxy-5-benzofuranyl]-3-(4-methoxyphenyl)-2-propen-1-one, *see* M-00043

▷2-[2-(Dimethylamino)ethoxy]ethyl 1-phenylcyclopentanecarboxylate, *see* M-00385

11α-(Dimethylamino)-2β-ethoxy-3α-hydroxy-5α-pregnan-20-one, *see* M-00382

▷4-(2-Dimethylaminoethoxy)-5-isopropyl-2-methylphenyl acetate, *see* T-00227

▷2-[α-[2-(Dimethylamino)ethoxy]-α-methylbenzyl]pyridine, *see* D-00598

4-[2-(Dimethylamino)ethoxy]-2-methylethyl)phenyl 1-methylethyl carbonate, *see* I-00164

▷4-[2-(Dimethylamino)ethoxy]-2-methyl-5-(1-methylethyl)-phenol acetate, *see* T-00227

1-[4-[2-(Dimethylamino)ethoxy]phenyl]-1-(3-hydroxyphenyl)-2-phenyl-1-butene, *see* D-00607

N-[[4-[2-Dimethylamino)ethoxy]phenyl]methyl]-3,4,5-trimethoxybenzamide, *see* T-00500

3-[1-[4-[(2-Dimethylamino)ethoxy]phenyl]-2-phenyl]-1-butenyl]phenol, *see* D-00607

4-[2-(Dimethylamino)ethoxy]-1(2*H*)-phthalazinone oxime, *see* T-00016

2-[2-(Dimethylamino)ethoxy]-*N*-tricyclo[3.3.1.1^{3,7}]dec-1-ylacetamide, *see* T-00545

4-[[2-(Dimethylamino)ethyl]amino]-6-methoxyquinoline, *see* M-00217

▷α-[1-(Dimethylamino)ethyl]benzenemethanol, *see* D-00418

2-(Dimethylamino)ethyl benzilate, D-00410

2-(Dimethylamino)ethyl 1-benzyl-2,3-dimethyl-5-indolecarboxylate, *see* I-00061

▷2-(Dimethylamino)ethyl 4-(butylamino)benzoate, *see* T-00104

2-(Dimethylamino)ethyl [[(*p*-chloro-α-methylbenzylidene)-amino]oxy]acetate, *see* C-00519

▷2-Dimethylaminoethyl 4-chlorophenoxyacetate, *see* M-00046

2-(Dimethylamino)ethyl [[[1-(4-chlorophenyl)ethylidene]-amino]oxy]acetate, *see* C-00519

2-(Dimethylamino)ethyl cyclohexanepropionate, *see* C-00647

▷10-[2-(Dimethylamino)ethyl]-5,10-dihydro-5-methyl-11*H*-dibenzo[*b*,*e*][1,4]diazepin-11-one, *see* D-00156

2-[2-(Dimethylamino)ethyl]-3,4-dihydro-4-methylpyrido[3,2-*f*]-1,4-oxazepine-5(2*H*)-thione, *see* R-00070

5-[2-(Dimethylamino)ethyl]-2,3-dihydro-2-phenyl-1,5-benzothiazepin-4(5*H*)-one, *see* T-00181

2-[2-(Dimethylamino)ethyl]-3,4-dihydro-2-phenyl-1(2*H*)-naphthalenone, *see* N-00013

S-[2-(Dimethylamino)ethyl] 9,9-dimethyl-10(9*H*)-acridinecarbothioate, *see* B-00260

2-(Dimethylamino)ethyl 1-[2-(dimethylamino)ethyl]-2,3-dimethyl-1*H*-indole-5-carboxylate, *see* A-00199

2-(Dimethylamino)ethyl 2,3-dimethyl-1-(phenylmethyl)-1*H*-indole-5-carboxylate, *see* I-00061

2-(Dimethylamino)ethyl diphenyl(2-propynyloxy)acetate, *see* P-00035

2-Dimethylaminoethyl α-ethoxy-α,α-diphenylacetate, *see* D-00380

2-(Dimethylamino)ethyl (2-ethylbutoxy)diphenylacetate, *see* D-00071

2-(Dimethylamino)ethyl [5-hydroxy-4-(hydroxymethyl)-6-methyl-3-pyridinyl]methyl butanedioate, *see* P-00336

▷3-(2-Dimethylaminoethyl)-4-hydroxyindole, D-00411

▷*N*-[4-[[1-(Dimethylamino)ethylidene]amino]phenyl]-2-methoxyacetamide, *see* A-00190

▷2-[1-[2-(2-Dimethylaminoethyl)inden-3-yl]ethyl]pyridine, *see* D-00391

▷3-(2-Dimethylaminoethyl)-1*H*-indol-4-ol, *see* D-00411

3-(2-Dimethylaminoethyl)indol-5-yl-*N*-methylmethanesulfonamide, *see* S-00268

[1-[1-(Dimethylamino)ethyl]-1*H*-indol-3-yl]-1-propanone oxime, *in* D-00414

6-[[6-[2-(Dimethylamino)ethyl]-4-methoxy-1,3-benzodioxol-5-yl]acetyl]-2,3-dimethoxybenzoic acid, *see* N-00051

▷2-[(2-Dimethylaminoethyl)-(*p*-methoxybenzyl)amino]pyrimidine, *see* T-00218

2-[[2-(Dimethylamino)ethyl]-(*p*-methoxybenzyl)amino]thiazole, *see* Z-00027

▷1-[[2-(Dimethylamino)ethyl]methylamino]-3-phenylindole, *see* B-00168

2-Dimethylaminoethyl 4-methylbenzhydryl ether, *see* M-00247

▷α-[2-(Dimethylamino)ethyl]-α-(1-methylethyl)-1-naphthaleneacetamide, *see* N-00027

3-[2-(Dimethylamino)ethyl]-*N*-methyl-1*H*-indole-5-methanesulfonamide, *see* S-00268

▷2-[2-(Dimethylamino)ethyl]-5-nitro-1*H*-benz[*de*]-isoquinoline-1,3(2*H*)-dione, *see* M-00405

1-[2-(Dimethylamino)ethyl]-2-[(5-nitro-2-furanyl)-methylene]-hydrazinecarboxamide, *see* N-00120

▷*N*-[2-(Dimethylamino)ethyl]-3-nitronaphthalimide, *see* M-00405

▷10-[2-(Dimethylamino)ethyl]phenothiazine, D-00412

▷2-Dimethylaminoethyl α-phenylbenzyl ether, *see* D-00484

1-(2-Dimethylaminoethyl)-1-phenylindene, D-00413

4-Dimethylamino-2-ethyl-2-phenylvaleronitrile, *see* E-00136

1-(Dimethylamino)ethyl-3-propanoyl-1*H*-indole, D-00414

6-[2-(Dimethylamino)ethyl]pyrido[2,3-*b*][1,5]-benzothiazepin-5(6*H*)-one, *see* B-00133

2-(Dimethylamino)ethyl 1,3,4,5-tetrahydrothiopyrano[4,3-*b*]-indole-8-carboxylate, *see* T-00313

▷2-[[(2-Dimethylamino)ethyl]-2-thenylamino]pyridine, *see* M-00171

▷2-[[2-(Dimethylamino)ethyl]-3-thenylamino]pyridine, *see* T-00165

7-(2-Dimethylaminoethyl)theophylline, *see* D-00389

N-[2-(Dimethylamino)ethyl]-3-trifluoromethylcarbanilic acid ethyl ester, *see* F-00132

6-(Dimethylamino)hexanoic acid, *in* A-00259

3-[(Dimethylamino)(2-hydroxycyclohexyl)methyl]phenol, *see* C-00394

▷4-[2-(Dimethylamino)-1-hydroxyethyl]-1,2-benzenediol, *in* A-00075

2-Dimethylaminoisocamphane, *see* D-00375

β-Dimethylaminoisopropyl 4-chloro-α-methylbenzhydryl ether, *see* M-00050

4-Dimethylamino-2-isopropyl-2-phenylvaleronitrile, *see* I-00177

1-[2-(Dimethylamino)-1-(4-methoxyphenyl)ethyl]cyclohexanol, *see* V-00015

20*S*-Dimethylamino-3α-methylamino-5α-pregnane, *in* P-00416

▷1-(Dimethylamino)-2-methyl-2-butanol benzoate, *see* A-00374

10-(Dimethylaminomethyl)dibenzo[*b*,*f*]thiepine, *see* D-00009

▷4-(Dimethylamino)-3-methyl-1,2-diphenyl-2-butanol, *see* P-00512

3-[(Dimethylamino)methyl]-1,2-diphenyl-3-buten-2-ol propionate, *see* P-00547

6-Dimethylamino-5-methyl-4,4-diphenylhexan-3-ol, *see* I-00192

▷6-Dimethylamino-5-methyl-4,4-diphenyl-3-hexanone, *see* I-00193

▷4-Dimethylamino-3-methyl-1,2-diphenyl-2-propionyloxybutane, *see* P-00512

▷3-[[(Dimethylamino)methylene]amino]-2,4,6-triiodobenzenepropanoic acid, *see* I-00129

▷3-[[(Dimethylamino)methylene]amino]-2,4,6-triiodohydrocinnamic acid, *see* I-00129

β-[2-(Dimethylamino)-2-methylethyl]-α-ethyl-β-phenylbenzeneethanol, *see* I-00192

▷α-[2-(Dimethylamino)-1-methylethyl]-α-phenylbenzeneethanol propanoate ester, *see* P-00512

1-(2-Dimethylamino-1-methylethyl)-2-phenylcyclohexanol, D-00415

1-[2-(Dimethylamino)-1-methylethyl]-2-phenylcyclohexanyl acetate, *see* D-00415

2-[[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]-ethyl]amino]-5-[(6-methyl-3-pyridinyl)methyl]-4(1*H*)-pyrimidinone, *see* L-00113

▷*N*-[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]-ethyl]-*N'*-methyl-2-nitro-1,1-ethenediamine, *see* R-00011

N-[2-[[[5-[(Dimethylamino)methyl]-2-furanyl]methyl]thio]-ethyl]-3-pyridinecarboxamide 1-oxide, *see* R-00009

4-(3-Dimethylaminomethyl-4-hydroxyanilino)-7-chloroquinoline, *see* A-00353

▷8-Dimethylaminomethyl-7-methoxy-3-methylflavone, *see* D-00377

▷8-[(Dimethylamino)methyl]-7-methoxy-3-methyl-2-phenyl-4*H*-1-benzopyran-4-one, *see* D-00377

2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol, D-00416

[4-(Dimethylamino)-2-methylphenyl]phosphinic acid, *see* T-00347

▷2-(Dimethylamino)-2-methylpropyl benzilate, *see* D-00261

▷5-(3-Dimethylamino-2-methylpropyl)-10,11-dihydrodibenz[*b*,*f*]-azepine, *see* T-00516

▷2-(Dimethylamino)-2-methylpropyl diphenylglycolate, *see* D-00261

10-[3-(Dimethylamino)-2-methylpropyl]-2-ethylphenothiazine, *see* E-00266

10-(3-Dimethylamino-2-methylpropyl)-2-methoxyphenothiazine, *see* M-00193

10-[3-(Dimethylamino)-2-methylpropyl]-2-(methylthio)-phenothiazine, *see* M-00182

▷10-[3-(Dimethylamino)-2-methylpropyl]phenothiazine, *see* T-00495

▷10-[3-(Dimethylamino)-2-methylpropyl]-10*H*-phenothiazine-2-carbonitrile, *see* C-00578

▷5-(Dimethylamino)-9-methyl-2-propyl-1*H*-pyrazolo[1,2-*a*]-[1,2,4]benzotriazine-1,3(2*H*)-dione, *see* A-00507

10-[3-(Dimethylamino)-2-methylpropyl]-2-(trifluoromethyl)-phenothiazine, *see* T-00462

▷*O*-[2-(Dimethylamino)-6-methyl-4-pyrimidinyl] *O*,*O*-diethyl phosphorothioate, *see* P-00587

5-[[8-(Dimethylamino)-7-methyl-5-quinolinyl]methyl-2,4-pyrimidinediamine, *see* B-00012

N-[2-[[[2-[(Dimethylamino)methyl]-4-thiazolyl]methyl]thio]-ethyl]-*N'*-methyl-2-nitro-1,1-ethenediamine, *see* N-00192

▷4-(Dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,6,10,12,12*a*-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, *see* T-00109

▷4-(Dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,6,10,12,12*a*-pentahydroxy-6-methyl-1,11-dioxo-*N*-(1-pyrrolidinylmethyl)-2-naphthacenecarboxylic acid, *see* R-00078

▷4-(Dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,5,10,12,12*a*-pentahydroxy-6-methylene-1,11-dioxo-2-naphthacenecarboxamide, *see* M-00161

4-(Dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,10,12,12*a*-tetrahydroxy-7-nitro-1,11-dioxo-2-naphthacenecarboxamide, *see* N-00175

▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456

2-(Dimethylamino)-2-oxoethyl 4-[[4-[(aminoiminomethyl)-amino]benzoyl]oxy]benzeneacetate, *see* C-00022

3-Dimethylaminophenol, *in* A-00297

▷4-Dimethylaminophenol, *in* A-00298

2-(Dimethylamino)-1-phenyl-3-cyclohexene-1-carboxylic acid ethyl ester, *see* T-00273

(1-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxy-1-propenyl)estra-4,9-dien-3-one, *see* L-00049

11-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(3-hydroxypropyl)estra-4,9-dien-3-one, *see* O-00047
11-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(1-propynyl)-estra-4,9-dien-3-one, *see* M-00371
▷2-(Dimethylamino)-5-phenyl-2-oxazolin-4-one, *see* D-00417
▷2-(Dimethylamino)-5-phenyl-4(5*H*)-oxazolone, D-00417
▷2-Dimethylamino-1-phenyl-1-propanol, D-00418
▷2-(Dimethylamino)-1-phenyl-1-propanone, *see* D-00382
6-[3-(Dimethylamino)-1-phenylpropoxy]-2-phenyl-4*H*-1-benzopyran-4-one, *see* A-00399
▷3-Dimethylamino-1-phenyl-1-2′-pyridylpropane, *see* P-00157
3-(Dimethylamino)pregnane-18,20-diol diacetate, *in* A-00315
3-Dimethylamino-1,2-propanediol, *in* A-00317
▷1-Dimethylamino-2-propanol, D-00419
▷α-Dimethylaminopropiophenone, *see* D-00382
4-[3-(Dimethylamino)propoxy]-1,2,2,6,6-pentamethylpiperidine, *see* P-00057
4-[[3-(Dimethylamino)propyl]amino]-7-iodoquinoline, *see* I-00122
▷9-[[3-(Dimethylamino)propyl]amino]-1-nitroacridine, *see* N-00163
▷5-[3-(Dimethylamino)propyl]-5*H*-dibenz[*b,f*]azepine, *see* B-00007
▷5-(2-Dimethylaminopropyl)-10,11-dihydro-5*H*-dibenz[*bf*]-azepine, *see* I-00040
5-[3-(Dimethylamino)propyl]-10,11-dihydro-5*H*-dibenz[*b,f*]-azepine-3-carbonitrile, *see* C-00320
5-[3-(Dimethylamino)propyl]-5,11-dihydro-10*H*-dibenz[*b,f*]-azepin-10-one, *see* K-00013
▷11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenzo[*b,e*]-thiepine, D-00420
5-[3-(Dimethylamino)propyl]-5,6-dihydro-11-methyl-enemorphanthridine, *see* E-00065
5-[3-(Dimethylamino)propyl]-5,6-dihydromorphanthridine, *see* P-00405
6-[2-(Dimethylamino)propyl]-1,6-dihydro-5*H*-pyrido[2,3-*b*]-[1,5]benzodiazepine-5-one, *see* P-00508
▷10-[3-(Dimethylamino)propyl]-9,9-dimethylacridan, *see* D-00387
▷10-[2-(Dimethylamino)propyl]-*N,N*-dimethyl-10*H*-phenothiazine-2-sulfonamide, *see* D-00396
N-[3-(Dimethylamino)propyl]-*N*-[(ethylamino)carbonyl]-6-(2-propenyl)ergoline-8-carboxamide, *see* C-00002
α-[2-(Dimethylamino)propyl]-α-ethylbenzeneacetonitrile, *see* E-00136
β-[2-(Dimethylamino)propyl]-α-ethyl-β-phenylbenzeneethanol, *see* M-00162
1-(3-Dimethylaminopropyl)-1-(4-fluorophenyl)-5-cyanophthalan, *see* C-00400
1-[3-(Dimethylamino)propyl-1-(4-fluorophenyl)]-1,3-dihydro-5-isobenzofurancarbonitrile, *see* C-00400
▷5-[3-(Dimethylamino)propyl]-6,7,8,9,10,11-hexahydro-5*H*-cyclo-oct[*b*]indole, *see* I-00157
▷11-(3-Dimethylaminopropylidene)-6*H*-dibenz[*b,e*]oxepin, *see* D-00594
11-[3-(Dimethylamino)propylidene]-5,6-dihydro-5-methyl-morphanthridine, *see* E-00021
▷9-[3-(Dimethylamino)propyl]-2-methoxy-9*H*-thioxanthen-9-ol, *see* M-00106
17β-[[3-(Dimethylamino)propyl]methylamino]androst-5-en-3β-ol, *see* A-00495
α-[2-(Dimethylamino)propyl]-α-(1-methylethyl)-benzeneacetonitrile, *see* I-00177
3-*O*-[3-(Dimethylamino)propyl-1,2-*O*-(1-methylethylidene)-α-D-glucofuranose, *see* A-00345
5-[3-(Dimethylamino)propyl]-6(5*H*)-phenanthridinone, *see* F-00018
▷10-[2-(Dimethylamino)propyl]phenothiazine, *see* P-00478
▷10-(3-Dimethylaminopropyl)phenothiazine, *see* P-00475
1-[10-[2-(Dimethylamino)propyl]-10*H*-phenothiazin-2-yl]-ethanone, *see* A-00016
▷1-[10-[3-(Dimethylamino)propyl]-10*H*-phenothiazin-2-yl]-ethanone, *see* A-00015
10-[2-(Dimethylamino)propyl]phenothiazin-2-yl methyl ketone, *see* A-00016
▷10-(3-Dimethylaminopropyl)phenothiazin-2-yl methyl ketone, *see* A-00015
1-[10-[2-(Dimethylamino)propyl]-10*H*-phenothiazin-2-yl]-1-propanone, *see* P-00504
▷α-[2-(Dimethylamino)propyl]-α-phenylbenzeneacetamide, *see* A-00296
4′-[4-[3-(Dimethylamino)propyl]-1-piperazinyl]acetanilide, *see* P-00284
N-[4-[4-[3-(Dimethylamino)propyl]-1-piperazinyl]phenyl]-acetamide, *see* P-00284
10-(2-Dimethylaminopropyl)-2-propionylphenothiazine, *see* P-00504
▷10-[3-(Dimethylamino)propyl]-10*H*-pyrido[3,2-*b*][1,4]-benzothiazine, *see* P-00536
▷9-(2-Dimethylaminopropyl)-10-thia-1,9-diazaanthracene, *see* I-00214
4-[3-(Dimethylamino)propyl]-4*H*-thieno[3,2-*b*][1]benzazepine, *see* T-00261
2′-[[3-(Dimethylamino)propyl]thio]cinnamanilide, *see* C-00355
N-[2-[[3-(Dimethylamino)propyl]thio]phenyl]-3-phenyl-2-propenamide, *see* C-00355
▷10-[3-(Dimethylamino)propyl]-2-(trifluoromethyl)-phenothiazine, *see* F-00176
Dimethylaminopyrazine, D-00421
▷*O*-[4-(Dimethylamino)sulfonyl]phenyl *O,O*-dimethyl phosphorothioate, *see* F-00015
▷*O,O*-Dimethyl *O*-(4-aminosulfonylphenyl) phosphorothioate, *see* D-00453
3-(Dimethylamino)-1,2,3,4-tetrahydrocarbazole, D-00422
▷9-*O*-[5-(Dimethylamino)tetrahydro-6-methyl-2*H*-pyran-2-yl]-leucomycin V, *see* F-00249
4-Dimethylamino-*o*-tolylphosphinic acid, *see* T-00347
(Dimethylamino)trimethylpyrazine, D-00423
▷Dimethylane, *see* P-00481
N-Dimethyl-*m*-anisidine, *in* A-00297
N-Dimethyl-*p*-anisidine, *in* A-00298
▷3-(10,10-Dimethyl-9(10*H*)-anthracenylidene-*N,N*-dimethyl-1-propanamine, *see* M-00081
3-(10,10-Dimethyl-9(10*H*)-anthracenylidene)-*N*-methyl-1-propanamine, *see* L-00061
▷Dimethylarsinic acid, D-00424
1,3-Dimethylbarbituric acid, *in* P-00586
α,α-Dimethylbenzeneethanamine, *see* P-00193
α,2-Dimethylbenzeneethanamine, *see* O-00065
▷*N*,β-Dimethylbenzeneethanamine, *in* P-00203
α-(5,6-Dimethylbenzimidazolyl)aquocobamide, *see* V-00060
*Co*α-(α-5,6-Dimethylbenzimidazolyl)-*Co*β-methylcobamide, *see* M-00241
▷α-(5,6-Dimethylbenzimidazoyl)cobamide cyanide, *see* V-00059
▷2,2-Dimethyl-1,3-benzodioxol-4-yl methylcarbamate, *see* B-00046
N,N-Dimethylbenzofuro[3,2-*c*][1]benzoxepin-$\Delta^{6(12H),\gamma}$-propylamine, *see* O-00107
3,5-Dimethylbenzoic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl-ester, *see* T-00547
1,5-Dimethyl[1]benzothieno[2,3-*g*]isoquinoline, D-00425
4-[(3,4-Dimethylbenzoyl)amino]-5-(dipentylamino)-5-oxopentanoic acid, *see* T-00376
4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
4-(2,6-Dimethylbenzyl)-1*H*-imidazole, *see* D-00446
▷1-(2,4-Dimethylbenzyl)-1*H*-indazole-3-carboxylic acid, *see* X-00016
▷2-[2-(6,6-Dimethylbicyclo[3.1.1]hept-2-en-2-yl)ethoxy]-*N,N*-diethylethanamine, *see* M-00478
5-(3,3-Dimethylbicyclo[2.2.1]hept-2-ylidene)-3-penten-2-one, *see* B-00257
▷1,1-Dimethylbiguanide, *see* D-00432
▷6,6′-[3,3′-Dimethyl(1,1′-biphenyl)-4,4′-diyl]bis(azo)-bis[4-amino-5-hydroxy-1,3-naphthalenedisulfonic acid] tetrasodium salt, *see* A-00532
1,1′-Dimethyl-4,4′-bis(1-methylethyl)[1,1′-bicyclohexyl]-3,3′-dione, *see* B-00224
Dimethylbis[(phenylcarbamoyl)methyl]ammonium, *see* C-00072
2,2-Dimethylbutanoic acid 1,2,3,7,8,8*a*-hexahydro-3,7-dimethyl-8-[2-(tetrahydro-4-hydroxy-2-oxo-2*H*-pyran-2-yl)-ethyl]-1-naphthalenyl ester, *see* S-00075

▷Dimethylcaramiphen, *see* M-00158
▷Dimethylcarbamic acid 1-[(1-dimethylamino)carbonyl]-5-methyl-1*H*-pyrazol-3-yl ester, *see* D-00457
▷(3-Dimethylcarbamoyloxyphenyl)trimethylammonium, *see* N-00070
N-[1-(Dimethylcarbamoyl)propyl]-*N*-ethylcrotonamide, *see* C-00569
N-[1-(Dimethylcarbamoyl)propyl]-*N*-propylcrotonamide, *see* C-00566
▷Dimethyl carbate, *in* B-00157
▷Dimethyl 4-(chlorophenyl)(dimethoxyphosphinyl)methylphosphonate, *see* M-00372
▷*N*,*N*-Dimethylcon-5-enin-3β-amine, *see* C-00540
O,*O*-Dimethylcoumestrol, *in* C-00558
▷2,2′-Dimethylcycloanimium dibromide, *in* C-00590
▷*N*,α-Dimethylcyclohexanemethanamine, *see* M-00242
2,2-Dimethyl-1,3,5-cyclohexanetrione, D-00427
▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
β,β-Dimethylcysteine, *see* P-00064
▷6,6′-Di-*O*-methyldauricoline, *see* D-00020
N,5-Dimethyl-5*H*-dibenz[*b*,*f*]azepine-10-ethanamine, *see* A-00181
▷*N*,*N*-Dimethyl-5*H*-dibenz[*b*,*f*]azepine-5-propanamine, *see* B-00007
▷*N*,*N*-Dimethyl-5*H*-dibenzo[*a*,*d*]cycloheptene-$\Delta^{5,8}$-propylamine, *see* C-00597
N,*N*-Dimethyldibenzo[*b*,*f*]thiepin-10-methanamine, *see* D-00009
▷*O*,*O*-Dimethyl *O*-(2,2-dichlorovinyl) phosphate, *see* D-00207
17,20-Dimethyl-2,3-didehydro-PGE_1, *see* L-00050
N,*N*-Dimethyl-*N*′-(2-diisopropylaminoethyl)-*N*′-(4,6-dimethyl-2-pyridinyl)urea, D-00428
▷2,3-Dimethyl-6-(dimethylethylidene)-2-[[(2-oxo-2*H*-1-benzopyran-7-yl)oxy]methyl]cyclohexanepropanoic acid, *see* G-00003
4,7-Dimethyl-9-(3,5-dimethylpyrazole-1-carboxamido)-4,6,6*a*,7,8,9,10,10*a*-octahydroindolo[4,3-*fg*]quinoline, *see* M-00335
▷16,16-Dimethyldinoprostone, *in* D-00324
▷*N*,*N*-Dimethyl-2,2-diphenoxyethanamine, *see* M-00056
▷2′,3′-Dimethyldiphenylamine-2-carboxylic acid, *see* M-00062
N,*N*-Dimethyl-3,4-diphenyl-1*H*-pyrazole-1-propanamine, *see* F-00100
1,4-Dimethyl-1,4-diphenyl-2-tetrazene, D-00429
▷*N*,*N*-Dimethyl-4,4-di-2-thienyl-3-buten-2-amine, *see* D-00455
Dimethyldithiohydantoin, *see* D-00431
5,5-Dimethyl-2,4-dithiohydantoin, *see* D-00431
N,*N*-Dimethyl-1,2-dithiolan-4-amine, *see* N-00075
2,3:4,5-Di-*O*-methylene-D-mannitol, *in* M-00018
▷*N*′-(1,6-Dimethylergolin-8α-yl)-*N*,*N*-dimethylsulfamide, *see* M-00140
▷[[(8β)-1,6-Dimethylergolin-8-yl]methyl]carbamic acid phenylmethyl ester, *see* M-00159
▷Dimethylergometrine, *in* M-00315
▷2,2′-(1,2-Dimethyl-1,2-ethanediylidene)bis[*N*-[2-(1-piperidinyl)-ethyl)]hydrazinecarbothioamide, *see* B-00240
▷*N*-Dimethylethanolamine, *see* D-00408
▷Dimethylethisterone, *see* D-00393
▷*N*-[(1,1,-Dimethylethoxy)carbonyl]-β-alanyl-L-tryptophyl-L-methionyl-L-α-aspartyl-L-phenylalaninamide, *see* P-00079
1-(1,1-Dimethylethoxy)-3-methoxy-2-propanol, *see* B-00422
4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, D-00430
N-[4-(1,1-Dimethylethoxy)phenyl]acetamide, *see* B-00419
2-[(1,1-Dimethylethyl)amino]-6,7-dihydro-9,10-dimethoxy-4*H*-pyrimido[6,1-*a*]isoquinolin-4-one, *see* B-00374
1-[(1,1-Dimethylethyl)amino]-3-(2,3-dimethylphenoxy)-2-propanol, *see* X-00012
α-1-[[(1,1-Dimethylethyl)amino]ethyl]-2,5-dimethoxybenzenemethanol, *see* B-00418
4-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,2-benzenediol, *see* C-00537
▷5-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,3-benzenediol, *see* T-00084
[5-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-2-hydroxyphenyl]urea, *see* C-00071
4-[2-[(1,1-Dimethylethyl)amino]-1-hydroxyethyl]-1,2-phenylene 4-methylbenzoate, *see* B-00241
5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-3,4-dihydro-1(2*H*)-naphthalenone, *see* B-00365
5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-3,4-dihydro-2(1*H*)-quinolinone, *see* C-00102
1-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-fluorophenyl]-1-butanone, *see* B-00412
7-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-1(3*H*)-isobenzofuranone, *see* A-00082
▷8-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-methyl-2*H*-1-benzopyran-2-one, *see* B-00343
4-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-2-methyl-1(2*H*)-isoquinolinone, *see* T-00274
2-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-phenoxy]-*N*-methylacetamide, *see* C-00181
N-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-phenyl]-2-furancarboxamide, *see* A-00380
3-[4-[3-[(1,1-Dimethylethyl]amino]-2-hydroxypropoxy]-phenyl]-7-methoxy-2-methyl-1(2*H*)-isoquinolinone, *see* D-00600
6-[2-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-phenyl]-3(2*H*)-pyridazinone hydraxone, *see* P-00441
4′-[[3-(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-spiro[cyclohexane-1,2′-(2*H*)indan]-1′-(3′*H*)one, *see* S-00119
▷5-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-1,2,3,4-tetrahydro-2,3-naphthalenediol, *see* N-00006
2-[3[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-5-[(2-thienylcarbonyl)amino]benzoic acid ethyl ester, *see* T-00262
5-[2-[[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropyl]thio]-4-thiazolyl]-2-thiophenecarboxamide, *see* A-00447
▷α-[[(1,1-Dimethylethyl)amino]methyl]-7-ethyl-2-benzofuranmethanol, *see* B-00352
α-[[(1,1-Dimethylethyl)amino]methyl]-2-fluorobenzenemethanol, *see* F-00115
▷α′-[[(1,1-Dimethylethyl)amino]methyl]-4-hydroxy-1,3-benzenedimethanol, *see* S-00012
α-[[(1,1-Dimethylethyl)amino]methyl]-4-hydroxy-3-[(methylsulfonyl)methyl]benzenemethanol, *see* S-00220
▷α^6-[[(1,1-Dimethylethyl)amino]methyl]-3-hydroxy-2,6-pyridinedimethanol, *see* P-00316
1-[(1,1-Dimethylethyl)amino-3-[(2-methyl-1*H*-indol-4-yl)-oxy]-2-propanol benzoate, *see* B-00253
1-[(1,1-Dimethylethyl)amino]-3-[2-[2-(3-methyl-5-isoxazolyl)-ethenyl]phenoxy]-2-propanol, *see* I-00215
1-[(1,1-Dimethylethyl)amino]-3-[[4-(4-morpholinyl)-1,2,5-thiadiazol-3-yl]oxy]-2-propanol, *see* T-00288
1-[(1,1-Dimethylethyl)amino]-3-[2-(2-propynyloxy)phenoxy]-2-propanol, *see* P-00036
1-[(1,1-Dimethylethyl)amino]-3-[2-[(tetrahydrofuranyl)-methoxy]phenoxy]-2-propanol, *see* B-00349
8-(1,1-Dimethylethyl)-7,8-dihydro-5-methyl-6*H*-pyrrolo[3,2-*e*][1,2,4]triazolo[1,5-*a*]pyrimidine, *see* B-00355
N-(1,1-Dimethylethyl)-*N*,2-dimethyl-3-butyn-2-amine, *see* B-00433
▷2-[[4-(1,1-Dimethylethyl)-2,6-dimethylphenyl]methyl]-4,5-dihydro-1*H*-imidazole, *see* X-00023
α-[5-(1,1-Dimethylethyl)-2-hydroxyphenyl]-1-methyl-5-nitro-1*H*-imidazole-2-methanol, *see* A-00003
3-(1,1-Dimethylethyl)-2,3,4,4,4*a*,8,9,13*b*,14-octahydro-1*H*-benzo[6,7]cyclohepta[1,2,3-*de*]pyrido[2,1-*a*]isoquinolin-3-ol, *see* B-00382
▷4-[3-[4-(1,1-Dimethylethyl)phenoxy]-2-hydroxypropoxy]-benzoic acid, *see* T-00083
1-[4-(1,1-Dimethylethyl)phenyl]-4-[4-(diphenylmethoxy)-1-piperidinyl]-1-butanone, *see* E-00001
α-[4-(1,1-Dimethylethyl)phenyl]-4-(diphenylmethyl)-1-piperazinebutanol, *see* T-00411
▷α-[4-(1,1-Dimethylethyl)phenyl]-4-(hydroxydiphenylmethyl)-1-piperidinebutanol, *see* T-00088
2-[[2-(1,1-Dimethylethyl)phenyl]phenyl]methoxy-*N*,*N*-dimethylethanamine, *see* B-00347

2-(1,1-Dimethylethyl)-α-[2-(4-piperidinyl)ethyl]-4-quinolinemethanol, *see* Q-00008

6-[*O*-(1,1-Dimethylethyl)-D-serine]-10-deglycinamideluteinizing hormone releasing factor (pig), *see* G-00081

▷*N*-[5-(1,1-Dimethylethyl)-1,3,4-thiadiazol]-2-ylbenzenesulfonamide, *see* G-00063

1-[4-(1,1-Dimethylethyl)-2-thiazolyl]-4-methylpiperazine, *see* T-00045

(2,5-Dimethyl-3-furanyl)(4-hydroxy-3,5-diiodophenyl)-methanone, *see* F-00292

2,5-Dimethyl-3-furyl-4-hydroxy-3,5-diiodophenylketone, *see* F-00292

N,*N*-Dimethylglycolamide (*p*-hydroxyphenyl)acetate *p*-guanidobenzoate, *see* C-00022

▷10-(*N*,*N*-Dimethylglycyl)phenothiazine, *see* D-00403

▷*N*,6-Dimethyl-5-hepten-2-amine, *in* M-00256

N-(6,6-Dimethyl-2-hepten-4-ynyl)-*N*-methyl-1-naphthalenemethanamine, *see* T-00081

7-(1,2-Dimethylheptyl)-2,2-dimethyl-4-(4-pyridinyl)-2*H*-1-benzopyran-5-ol, *see* N-00202

7-(1,2-Dimethylheptyl)-2,2-dimethyl-4-(4-pyridyl)-2*H*-chromen-5-ol, *see* N-00202

3-(1,1-Dimethylheptyl)hexahydro-6,6-dimethyl-6*H*-dibenzo[*b*,*d*]pyran-1,9-diol, *see* C-00025

▷3-(1,1-Dimethylheptyl)-6,6*a*,7,8,10,10*a*-hexahydro-1-hydroxy-6,6-dimethyl-9*H*-dibenzo[*b*,*d*]pyran-9-one, *see* N-00002

8-(1,2-Dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2*H*-[1]benzopyrano[4,3-*c*]pyridin-10-yl-α,2-dimethyl-1-piperidinebutanoate, *see* M-00086

8-(1,2-Dimethylheptyl)-1,3,4,5-tetrahydro-5,5-dimethyl-2-(2-propynyl)-2*H*-[1]benzopyrano[4,3-*c*]pyridin-10-yl 1-piperidinebutanoate, *see* N-00003

8-(1,2-Dimethylheptyl)-1,2,3,5-tetrahydro-5,5-dimethylthiopyrano[2,3-*c*][1]benzopyran-10-ol, *see* T-00291

3-(1,2-Dimethylheptyl)-7,8,9,10-tetrahydro-6,6,9-trimethyl-6*H*-dibenzo[*b*,*d*]pyran-1-yl hexahydro-1*H*-azepine-1-butyrate, *see* N-00001

1,5-Dimethyl-4-hexenylamine, *see* M-00256

Dimethylhexostrol, *see* P-00479

▷1,5-Dimethylhexylamine, *see* M-00257

▷Dimethyl-2-hydroxyethylamine, *see* D-00408

▷5-*N*-Dimethyl-3-hydroxy-6-oxo-4,5-epoxymorphinan, *see* M-00333

▷*N*,*N*-Dimethyl-4-hydroxytryptamine, *see* D-00411

5,5-Dimethyl-2,4-imidazolidinedithione, D-00431

6-(2,4-Dimethyl-1*H*-imidazol-1-yl)-8-methyl-2(1*H*)-quinolinone, *see* N-00037

▷*N*,*N*-Dimethylimidodicarbonimidic diamide, D-00432

▷Dimethyline, *see* P-00481

7,7′-*O*,*O*-Dimethylisochondodendrine, *see* C-00590

▷*N*′-(3,4-Dimethyl-5-isoxazolyl)sulfanilamide, *see* S-00215

N′-(4,5-Dimethylisoxazol-3-yl)sulfanilamide, *see* S-00212

N-(3,4-Dimethyl-5-isoxazolyl)-*N*-sulfanilylacetamide, *see* S-00216

9,9-Dimethyl-10-[3-(methylamino)propyl]acridan, *see* M-00429

N,*N*-Dimethyl-*N*′-(6-methylergolin-8α-yl)sulfamide, *see* D-00541

▷1,4-Dimethyl-7-(1-methylethyl)azulene, *see* I-00204

4,8-Dimethyl-2-(1-methylethyl)azulene, *see* I-00203

O,*O*-Dimethyl *O*-[(3-methyl-4-methylsulfinyl)phenyl] phosphorothioate, *in* F-00078

O,*O*-Dimethyl *O*-[(3-methyl-4-methylsulfonyl)phenyl]-phosphorothioate, *in* F-00078

▷*O*,*O*-Dimethyl *O*-[(3-methyl-4-methylthio)phenyl] phosphorothioate, *see* F-00078

▷*O*,*O*-Dimethyl *O*-(3-methyl-4-nitrophenyl) phosphorothioate, *see* F-00057

▷*O*,*O*-Dimethyl *O*-(3-methyl-4-nitrophenyl) thiophosphate, *see* F-00057

Dimethyl (3-methyloxiranyl)phosphonate, *in* M-00276

N,*N*-Dimethyl-*N*-[2-[methyl(1-oxododecyl)amino]ethyl]-2-oxo-2-(phenylamino)ethanaminium, *see* D-00569

1,1-Dimethyl-4-[(3-methyl-1-oxo-2-phenylpentyl)oxy]-piperidinium sulfate, *in* P-00091

N,*N*-Dimethyl-2-[(*p*-methyl-α-phenylbenzyl)oxy]ethylamine, *see* M-00247

1,1-Dimethyl-2-[[(*p*-methyl-α-phenylbenzyl)oxy]methyl]-piperidinium, *see* P-00317

Dimethyl 1-methyl-2-(1-phenylethoxycarbonyl)vinyl phosphate, *see* C-00571

▷*N*,*N*-Dimethyl-2-[(2-methylphenyl)phenylmethoxy]ethanamine, *see* O-00064

N,*N*-Dimethyl-2-[(4-methylphenyl)phenylmethoxy]ethanamine, *see* M-00247

N′,*N*′-Dimethyl-3-[(4-methyl-1-piperazinyl)carbonyl]-sulfanilamide, *see* D-00053

▷*N*,*N*-Dimethyl-9-[3-(4-methyl-1-piperazinyl)propylidene]-9*H*-thioxanthene-2-sulfonamide, *see* T-00213

▷*N*,*N*-Dimethyl-10-[3-(4-methyl-1-piperazinyl)propyl]-10*H*-phenothiazine-2-sulfonamide, *see* T-00208

▷2,2-Dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylic acid 2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl ester, *see* A-00124

▷2,2-Dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylic acid [5-(phenylmethyl)-3-furanyl]-methyl ester, *see* R-00031

17*a*,17*a*-Dimethyl-3-(1-methylpyrrolidinio)-17*a*-azonia-D-homoandrost-5-ene, *see* C-00188

N,*N*-Dimethyl-*N*-[2-[2-[methyl-4-(1,1,3,3-tetramethylbutyl)-phenoxy]ethoxy]ethyl]benzenemethanaminium, *see* M-00229

▷*O*,*O*-Dimethyl-*O*-(4-methylthio-*m*-tolyl) phosphorothioate, *see* F-00078

N,*N*-Dimethyl-2-(6-methyl-2-*p*-tolylimidazo[1,2-*a*]pyridin-3-yl)-acetamide, *see* Z-00033

3,17-Dimethylmorphinan, *see* D-00379

N,*N*′-Dimethyl-2-naphthaleneacetamidine, *see* N-00039

▷2,3-Dimethyl-1,4-naphthalenedione, *see* D-00433

N,*N*′-Dimethylnaphthaleneethanimidamide, *see* N-00039

▷2,3-Dimethyl-1,4-naphthoquinone, D-00433

2,7-Dimethyl-1,4-naphthoquinone, D-00434

▷*N*,*N*-Dimethyl-*N*′-(1-nitro-9-acridinyl)-1,3-propanediamine, *see* N-00163

▷1,2-Dimethyl-5-nitro-1*H*-imidazole, D-00435

α,2-Dimethyl-5-nitro-1*H*-imidazole-1-ethanol, *see* H-00208

5,6-Dimethyl-2-nitro-1,3-indanedione, D-00436

5,6-Dimethyl-2-nitro-1*H*-indene-1,3(2*H*)-dione, *see* D-00436

2,6-Dimethyl-4-(2-nitrophenyl)-5-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-3-pyridinecarboxylate, D-00437

▷*O*,*O*-Dimethyl *O*-4-nitro-*m*-tolyl phosphorothioate, *see* F-00057

5,5-Dimethyl-3-[4-nitro-3-(trifluoromethyl)phenyl]-2,4-imidazolidinedione, *see* N-00143

2-(4,8-Dimethyl-3,7-nonadienyl)-6-methyl-2,6-octadiene-1,8-diol, *see* P-00373

5-(3,3-Dimethyl-2-norbornylidene)-3-penten-2-one, *see* B-00257

▷2-[2-(6,6-Dimethyl-2-norpinen-2-yl)ethoxy]triethylamine, *see* M-00478

17,21-Dimethyl-19-norpregna-4,9-diene-3,20-dione, *see* P-00476

▷7,17-Dimethyl-19-nortestosterone, *see* M-00361

▷*N*,*N*-Dimethyl-1-octadecanamine, *in* O-00012

2-(3,7-Dimethyl-2,6-octadienyl)-1,4-benzenediol, D-00438

(3,7-Dimethyl-2,6-octadienyl)hydroquinone, *see* D-00438

3,5-Dimethyl-*N*-(4,6,6*a*,7,8,9,10,10*a*-octahydro-4,7-dimethylindolo[4,3-*fg*]quinolin-9-yl)-1*H*-pyrazole-1-carboxamide, *see* M-00335

5,5-Dimethyl-2,4-oxazolidinedione, D-00439

N[1]-[(4,5-Dimethyl-2-oxazolyl)amidino]sulfanilamide, *see* S-00194

▷*N*′-(4,5-Dimethyl-2-oxazolyl)sulfanilamide, *see* S-00248

9-[(3,3-Dimethyloxiranyl)methoxy]-4-methoxy-7*H*-furo[3,2-*g*]-[1]benzopyran-7-one, *see* B-00436

5,5-Dimethyl-11-oxo-5*H*,11*H*-[2]benzopyrano[4,3-*g*][1]-benzopyran-9-carboxylic acid, D-00440

4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione, D-00441

N,N-Dimethyl-2-oxo-*N*-[2-oxo-2-(phenylamino)ethyl]-2-(phenylamino)ethanaminium, *see* C-00072
4-(4,4-Dimethyl-3-oxopentyl)-1,2-diphenyl-3,5-pyrazolidinedione, *see* T-00430
6-(2,2-Dimethyl-5-oxo-4-phenyl-1-imidazolidinyl)-penicillanic acid, *see* H-00035
3,3-Dimethyl-7-oxo-6-[[(phenylthio)acetyl]amino]-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* T-00216
▷8,8-Dimethyl-3-[(1-oxo-2-propylpentyl)oxy]-8-azoniabicyclo[3.2.1]octane bromide, *see* O-00018
3,3-Dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide, *in* P-00065
▷Dimethyloxyquinazine, *see* D-00284
N,N-Dimethyl-3-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy-1-propanamine, *see* P-00057
N,α-Dimethyl-*p*-pentylphenethylamine, *see* A-00182
▷16,16-Dimethyl-PGE_2, *in* D-00324
α,α-Dimethylphenethylamine, *see* P-00193
▷*N*,β-Dimethylphenethylamine, *in* P-00203
o,α-Dimethylphenethylamine, *see* O-00065
5-[*N*,α-Dimethyl(phenethylamino)methyl]-4-isopropylnorantipyrine, *see* F-00016
▷*N*′,α-Dimethylphenethylhydrazine, D-00442
4-(2,6-Dimethylphenethyl)-1*H*-imidazole, *see* D-00445
▷*N,N*-Dimethyl-10*H*-phenothiazine-10-ethanamine, *see* D-00412
▷*N,N*-Dimethyl-10*H*-phenothiazine-10-propanamine, *see* P-00475
▷5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid, D-00443
N,N-Dimethyl-*N*-(2-phenoxyethyl)benzenemethanaminium, *see* B-00132
N,N-Dimethyl-*N*-(2-phenoxyethyl)-1-dodecanaminium, *see* D-00567
Dimethyl(2-phenoxyethyl)-2-thenylammonium(1+), *see* T-00164
N,N-Dimethyl-N-(2-phenoxyethyl)-2-thiophenemethanaminium(1+), *see* T-00164
4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine, D-00444
▷5-[(3,5-Dimethylphenoxy)methyl]-2-oxazolidinone, *see* M-00152
▷1-(2,6-Dimethylphenoxy)-2-propanamine, *see* M-00351
▷2-[(2,3-Dimethylphenyl)amino]benzoic acid, *see* M-00062
1-[[2-[(2,6-Dimethylphenyl)amino]ethyl]amino]-3-(1*H*-indazol-4-yloxy)-2-propanol, *see* N-00073
N-[2-[(2,6-Dimethylphenyl)amino]-2-oxoethyl]-*N,N*-diethylbenzenemethanaminium, *see* D-00070
2-[(2,3-Dimethylphenyl)amino)-3-pyridinecarboxylic acid, *in* A-00326
2-[(2,6-Dimethylphenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
N,N-Dimethyl-γ-phenylcyclohexanepropylamine, *see* G-00009
▷*N*-(2,6-Dimethylphenyl)-1,2-dihydro-2-oxo-3-pyridinecarboxamide, *see* I-00196
▷*N*-(2,6-Dimethylphenyl)-5,6-dihydro-4*H*-1,3-thiazin-2-amine, *see* X-00021
▷*N*′-(2,4-Dimethylphenyl)-*N*-[[(2,4-dimethylphenyl)imino]-methyl]-*N*-methylmethanimidamide, *see* A-00349
▷2,2-Dimethyl-5-(2-phenylethenyl)-4-oxazolidinone, *see* M-00175
N-[5-[2-[(1,1-Dimethyl-2-phenylethyl)amino]-1-hydroxyethyl]-2-hydroxyphenyl]methanesulfonamide, *see* Z-00022
4-[1-(2,3-Dimethylphenyl)ethyl]-1*H*-imidazole, *see* T-00505
4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, D-00445
▷*N*-(2,6-Dimethylphenyl)-2-(ethylpropylamino)butanamide, *see* E-00234
N-(2,6-Dimethylphenyl)hexahydro-1*H*-azepine-1-acetamide, *see* P-00269
▷3-(3,5-Dimethylphenyl)-4-hydroxy-2*H*-1-benzopyran-2-one, *see* X-00022
N-(2,6-Dimethylphenyl)-1-(2-hydroxyethyl)-2-piperidinecarboxamide, *see* D-00614
N-(2,6-Dimethylphenyl)-4-[2-hydroxy-3-(2-methoxyphenoxy)-propyl]-1-piperazineacetamide, *see* R-00012
N-(2,6-Dimethylphenyl)-*N*′-[imino(methylamino)methyl]urea, *see* L-00043
N,N-Dimethyl-1-phenyl-1*H*-indene-1-ethanamine, *see* D-00413
N,N-Dimethyl-1-phenylindene-1-ethylamine, *see* D-00413
N,α-Dimethyl-*N*-(phenylmethyl)benzeneethanamine, *see* B-00115
N,α-Dimethyl-*N*-(phenylmethyl)benzeneethanamine *N*-oxide, *see* O-00112
N,N-Dimethyl-3-[[1-(phenylmethyl)cycloheptyl]oxy]-1-propanamine, *see* B-00042
N-(2,6-Dimethylphenyl)-*N*′-[3-[(1-methylethyl)amino]propyl]-urea, *see* R-00019
N,N′-Dimethyl-*N*″-(phenylmethyl)guanidine, *see* B-00114
4-[(2,3-Dimethylphenyl)methyl]imidazole, *see* D-00426
4-[(2,6-Dimethylphenyl)methyl]-1*H*-imidazole, D-00446
▷*N,N*-Dimethyl-3-[[1-(phenylmethyl)-1*H*-indazol-3-yl]oxy]-1-propanamine, *see* B-00105
N,N-Dimethyl-3-[[2-(phenylmethyl)-2*H*-indazol-3-yl]thio]-1-propanamine, *see* D-00024
2,3-Dimethyl-1-(phenylmethyl)-1*H*-indole-5-carboxylic acid 2-(dimethylamino)ethyl ester, *see* I-00061
▷*N,N*-Dimethyl-2-[2-(phenylmethyl)phenoxy]ethanamine, *see* P-00210
▷2,3-Dimethyl-1-phenyl-4-[(3-methyl-2-phenylmorpholino)-methyl]-5-pyrazolone, *see* M-00439
▷*N*-(2,6-Dimethylphenyl)-1-methyl-2-piperidinecarboxamide, *see* M-00101
N,N-Dimethyl-4-(phenylmethyl)-1-piperidineethanamine, *see* P-00258
▷*N,N*-Dimethyl-*N*′-(phenylmethyl)-*N*′-2-pyridinyl-1,2-ethanediamine, *see* T-00524
▷*N*-(2,6-Dimethylphenyl)-*N*′-(1-methyl-2-pyrrolidinylidene)urea, *see* X-00014
▷3,4-Dimethyl-2-phenylmorpholine, *in* M-00290
N,N-Dimethyl-γ-phenyl-$\Delta^{2,\gamma}$-norbornanepropylamine, *see* H-00031
4-(2,3-Dimethylphenyl)-3-piperidinol, *see* D-00444
1,3-Dimethyl-4-phenyl-4-piperidinol propionate, *see* P-00460
1,3-Dimethyl-4-phenyl-4-propionyloxypiperidine, *see* P-00460
N-(2,6-Dimethylphenyl)-1-propyl-2-piperidinecarboxamide, *see* R-00089
N,N-Dimethyl-α-(3-phenylpropyl)veratrylamine, *see* V-00027
▷1,5-Dimethyl-2-phenyl-3-pyrazolone, *see* D-00284
▷2,3-Dimethyl-1-phenyl-5-pyrazolone, *see* D-00284
▷*N,N*-Dimethyl-γ-phenyl-2-pyridinepropanamine, *see* P-00157
▷*N,N*-Dimethyl-2-[1-phenyl-1-(2-pyridinyl)ethoxy]ethanamine, *see* D-00598
N,N-Dimethyl-6-phenyl-11*H*-pyrido[2,3-*b*][1,4]-benzodiazepine-11-propanamine, *see* T-00024
N-(2,6-Dimethylphenyl)-1-pyrrolidineacetamide, *see* P-00595
▷1,3-Dimethyl-3-phenyl-2,5-pyrrolidinedione, D-00447
▷1,2-Dimethyl-3-phenyl-3-pyrrolidinol propanoate, *see* P-00459
▷*N*,2-Dimethyl-2-phenylsuccinimide, *see* D-00447
▷*N,N*-Dimethyl-*N*′-phenyl-*N*′-2-thenylmethylethylenediamine, *see* M-00170
▷*N,N*-Dimethyl-*N*′-phenyl-*N*′-(2-thienylmethyl)-1,2-ethanediamine, *see* M-00170
▷*N,N*-Dimethyl-2-[(α-phenyl-*o*-tolyl)oxy]ethylamine, *see* P-00210
N,N-Dimethyl-3-phenyl-3-*p*-tolylpropylamine, *see* T-00367
▷*O,O*-Dimethyl phosphorothioate, ester with *p*-hydroxybenzene sulfonamide, *see* D-00453
▷*O,O*-Dimethyl phosphorothioate, *O*-ester with *p*-hydroxy-*N,N*-dimethylbenzenesulfonamide, *see* F-00015
▷2′,6′-Dimethylphthalanilic acid, *see* F-00268
▷*O,O*-Dimethyl *S*-phthalimidomethyl phosphorodithioate, *see* P-00213
▷1,4-Dimethylpiperazine, *in* P-00285
9-[3-(3,5-Dimethyl-1-piperazinyl)propyl]-9*H*-carbazole, *see* R-00056
▷2,6-Dimethylpiperidine, D-00448
▷2,4′-Dimethyl-3-piperidinopropiophenone, *see* T-00364
N-[4-(2,6-Dimethyl-1-piperidinyl)butyl]-α-phenoxybenzeneacetamide, *see* O-00118

α-[3-(2,6-Dimethyl-1-piperidinyl)propyl]-α-phenyl-2-pyridinemethanol, *see* P-00342
N,*N*-Dimethyl-4-piperidylidene-1,1-diphenylmethane, *see* D-00482
▷6,17-Dimethylpregna-4,6-diene-3,20-dione, *see* M-00057
3,3′-[(2,2-Dimethyl-1,3-propanediyl)diimino]bis-2-butanonoxime, *see* E-00278
2,2-Dimethylpropanoic acid 4-[1-hydroxy-2-(methylamino)-ethyl]-1,2-phenylene ester, *see* D-00518
▷2,2-Dimethylpropanoic acid 2-(phenylmethyl)hydrazide, *see* P-00365
N-[((1,1-Dimethylpropoxy)carbonyl]-L-tryptophyl-L-methionyl-L-α-aspartyl-L-phenylalaninamide, *see* A-00354
2-[3-[(1,1-Dimethylpropyl)amino]-2-hydroxypropoxy]-benzonitrile, *see* P-00070
1-[2-[3-[(1,1-Dimethylpropyl)amino]-2-hydroxypropoxy]-phenyl]-3-phenyl-1-propanone, *see* D-00519
4-[3-[4-(1,1-Dimethylpropyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine, *see* A-00359
▷3-(1,3-Dimethyl-4-propyl-4-piperidinyl)phenol, *see* P-00232
5-(2,2-Dimethylpropyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* N-00055
N,α-Dimethyl-*N*-propynylbenzeneethanamine, *see* D-00449
N,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449
5-[(1,1-Dimethyl-2-propynyl)sulfamoyl]-*N*-[(1-ethyl-2-pyrrolidinyl)methyl]-*o*-anisamide, *see* T-00294
N,*N*-Dimethylpyrazinamine, *see* D-00421
4,6-Dimethyl-3(2*H*)-pyridazinone, D-00450
4,6-Dimethyl-2(1*H*)-pyridinone, D-00451
▷*N*,*N*-Dimethyl-3-[1-(2-pyridinyl)ethyl]-1*H*-indene-2-ethanamine, *see* D-00391
3,5-Dimethyl-*N*-(4-pyridinylmethyl)benzamide, *see* P-00237
▷*N*,*N*-Dimethyl-*N*′-2-pyridinyl-*N*′-(2-thienylmethyl)-1,2-ethanediamine, *see* M-00171
▷*N*,*N*-Dimethyl-*N*′-2-pyridinyl-*N*′-(3-thienylmethyl)-1,2-ethanediamine, *see* T-00165
▷*N*,*N*-Dimethyl-10*H*-pyrido[3,2-*b*][1,4]benzothiazine-10-propanamine, *see* P-00536
▷5,11-Dimethyl-6*H*-pyrido[4,3-*b*]carbazole, *see* E-00027
▷*N*′,*N*′-Dimethyl-*N*-2-pyridyl-*N*-3-thenylethylenediamine, *see* T-00165
5-[[4-[[(4,6-Dimethyl-2-pyrimidinyl)amino]sulfonyl]phenyl]-azo]-2-hydroxybenzoic acid, *see* S-00011
[[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]phenyl]-formamide, *in* S-00254
N,*N*-Dimethyl-4-[2-(4-pyrimidinyl)ethenyl]benzenamine, *see* S-00154
3,3-Dimethyl-1-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-glutarimide, *see* G-00019
4,4-Dimethyl-1-[4-[4-(2-pyrimidinyl]-1-piperazinyl]butyl]-2,6-piperidinedione, *see* G-00019
5-[*p*-[(4,6-Dimethyl-2-pyrimidinyl)sulfamoyl]phenylazo]-salicylic acid, *see* S-00011
▷*N*′-(4,6-Dimethyl-2-pyrimidinyl)sulfanilamide, *see* S-00196
▷6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, D-00452
▷*N*′-(2,6-Dimethyl-4-pyrimidyl)sulfanilamide, *see* S-00254
▷Dimethylpyrindene, *see* D-00391
2,5-Dimethyl-1-pyrrolidinepropanol salicylate, *see* P-00401
10-[(1,3-Dimethyl-3-pyrrolidinyl)methyl]-10*H*-phenothiazine, *see* D-00378
N-[3-(2,5-Dimethyl-1-pyrrolidinyl)propyl]-*N*-hexadecyl-*N*,2,5-trimethyl-1-pyrrolidinepropanaminium, *see* P-00357
3-(2,5-Dimethyl-1-pyrrolidinyl)propyl salicylate, *see* P-00401
N-(2,5-Dimethyl-1*H*-pyrrol-1-yl)-6-(4-morpholinyl)-3-pyridazinamine, *see* M-00434
N,*N*-Dimethyl-10-(3-quinuclidinyl)-2-phenothiazinesulfonamide, *see* Q-00039
N,*N*-Dimethyl-3-β-D-ribofuranosyl-3*H*-1,2,3-triazolo[4,5-*d*]-pyrimidin-7-amine, *see* D-00404
N,*N*-Dimethylspiro[dibenz[*b*,*e*]oxepin-11(6*H*),2′-[1,3]-dioxolane]-4′-methanamine, *see* S-00133
▷2,2-Dimethyl-5-styryl-4-oxazolidinone, *see* M-00175
5-(Dimethylsulfamoyl)anthranilic acid *N*′-methylpiperazide, *see* D-00053
▷*O*,*O*-Dimethyl *O*-4-sulfamoylphenyl phosphorothioate, D-00453
▷2,6-Dimethyl-4-sulfanilamidopyrimidine, *see* S-00254
2-[7-[1,1-Dimethyl-3-(4-sulfobutyl)-2*H*-benz[*e*]indol-2-ylidene]-1,3,5-heptatrienyl]-1,1-dimethyl-3-(4-sulfobutyl)-1*H*-benz[*e*]-indolium hydroxide inner salt, *see* I-00062
▷N^1-[3-(Dimethylsulfonio)propyl]bleomycinamide, *see* B-00243
▷Dimethyl sulfoxide, D-00454
Dimethyl tartrate, *in* T-00028
7,17-Dimethyltestosterone, *see* H-00123
N,*N*-Dimethyl-*N*-tetradecylbenzenemethanaminium, *see* B-00116
N,*N*-Dimethyl-*N*-[2-[2-[4-(1,1,3,3-tetramethylbutyl)phenoxy]-ethoxy]ethylbenzenemethanaminium, *see* B-00079
▷Dimethylthiambutene, D-00455
2,7-Dimethylthianthrene, D-00456
1-[4-(2,4-Dimethyl-5-thiazolyl)butyl]-4-(4-methyl-2-thiazolyl)-piperazine, *see* P-00115
N,*N*-Dimethyl-4*H*-thieno[3,2-*b*]benzazepine-4-propanamine, *see* T-00261
▷*m*,*N*-Dimethylthioacarbanilic acid *O*-2-naphthyl ester, *see* T-00354
N,*N*-Dimethylthioxanthene-$\Delta^{9,}$-propylamine, *see* P-00537
N,*N*-Dimethyl-3-(9*H*-thioxanthen-9-ylidene)-1-propanamine, *see* P-00537
5,8-Dimethyltocol, *see* T-00336
▷5-(3,3-Dimethyl-1-triazenyl)-1*H*-imidazole-4-carboxamide, *see* D-00001
▷Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate, *see* T-00443
▷Dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate butyrate, *see* B-00413
▷*O*,*O*-Dimethyl *O*-(2,4,5-trichlorophenyl) phosphorothioate, *see* F-00039
▷Dimethyl 3,5,6-trichloro-2-pyridinyl phosphate, *see* F-00258
3,5-Dimethyltricyclo[3.3.1.1^{3,7}]decan-1-amine, *see* D-00402
α,α-Dimethyltricyclo[3.3.1.1^{3,7}]decane-1-ethanamine, *see* A-00064
N,*N*-Dimethyl-*N*-[2-[(tricyclo[3.3.1.1^{3,7}]dec-1-ylcarbonyl)-oxy]-ethyl-1-decanaminium, *see* A-00163
▷*N*,*N*-Dimethyl-2-(trifluoromethyl)-10*H*-phenothiazine-10-propanamine, *see* F-00176
2,6-Dimethyl-*N*-[3-(trifluoromethyl)phenyl]-1-piperidinecarbothioamide, *see* T-00254
1,1-Dimethyl-2-[[2-(trimethylammonio)ethoxy]carbonyl]-pyrrolidinium(2+), *see* T-00413
3,7-Dimethyl-9-(2,6,6-trimethylcyclohexenyl)-2,4,6,8-nonatetraenoic acid, *see* R-00033
▷3,7-Dimethyl-9-(2,6,6-trimethyl-1-cyclohexen-1-yl) 2,4,6,8-nonatetraen-1-ol, *see* V-00058
N,*N*-Dimethyl-2-[[1,7,7-trimethyl-2-(phenylmethyl)-bicyclo[2.2.1]hept-2-yl]oxy]ethanamine, *see* R-00006
4,5-Dimethyl-2-(1,7,7-trimethyltricyclo[2.2]hept-2-yl)phenol, *see* X-00013
Dimethyltubocurarinium chloride, *in* T-00571
Dimethylurethimine, *see* M-00345
8,8-Dimethyl-3-[(9*H*-xanthen-9-ylcarbonyl)oxy]-8-azoniaicyclo[3.2.1]octane, *see* T-00399
▷1,3-Dimethylxanthine, *see* T-00169
▷3,7-Dimethylxanthine, *see* T-00166
1,3-Dimethylxanthin-7-ylacetic acid, *see* A-00011
▷2,2-Dimethyl-5-(2,5-xylyloxy)valeric acid, *see* D-00443
▷Dimethylyn, *see* P-00481
Dimeticone, *see* D-00390
▷Dimetilan, D-00457
▷Dimetiltiambutene, *see* D-00455
▷Dimetindene, *see* D-00391
▷Dimetindene maleate, JAN, *in* D-00391
▷Dimetiodolum, *in* D-00359
Dimetipirium(1+), D-00458

Dimetipirium bromide, *in* D-00458
Dimetofrine, D-00459
▷Dimetofrine hydrochloride, *in* D-00459
▷Dimetotiazine, *see* D-00396
Dimetotiazine mesilate, JAN, *in* D-00396
▷Dimetridazole, *see* D-00435
▷Dimevamide, *see* A-00296
Dimidium(1+), D-00460
Diminal, *see* K-00003
▷Diminal, *see* V-00031
Diminazene, *see* B-00187
▷Diminazene aceturate, *in* B-00187
▷Dimipressin, *see* I-00040
▷Dimotaine, *in* B-00325
Dimoxamine, D-00461
Dimoxamine hydrochloride, *in* D-00461
Dimoxaprost, D-00462
▷Dimoxyline, D-00463
▷Dimpylate, *see* D-00149
▷DIM-SA, *in* D-00384
Dimyril, *see* I-00177
Dinalin, *see* A-00208
Dinaphthimine, D-00464
Dinazafone, D-00465
▷Dindevan, *see* P-00192
1,3-Dinicotininoyloxy-2-propyl 2-(*p*-chlorophenoxy)-2-methylpropionate, *see* B-00170
▷Dinintel, *in* C-00435
Diniprofylline, D-00466
▷Dinitolmide, *in* M-00246
3,5-Dinitrobenzamide, *in* D-00468
4,5-Dinitro-1,2-benzenedicarboxylic acid, D-00467
3,5-Dinitrobenzoic acid, D-00468
4,4′-Dinitrocarbanilide, *see* B-00231
▷Dinitrogen monoxide, *see* N-00189
3-[(2,4-Dinitrophenyl)azo]-4-hydroxy-2,7-naphthalenedisulfonic acid, *see* P-00145
3-[2-(2,4-Dinitrophenyl)ethenyl]-8-oxo-7β-[(2-thienylacetyl)amino]-5-thia-1-azabicycli[4.2.0]oct-2-ene-2-carboxylic acid, *see* N-00173
4,5-Dinitrophthalic acid, *see* D-00467
▷3,5-Dinitrosalicylic acid (5-nitrofurfurylidene)hydrazide, *see* N-00132
▷Dinitrosorbide, *in* D-00144
▷3,5-Dinitro-*o*-toluic acid, *see* M-00246
▷Dinopron *EM*, *in* D-00339
▷Dinoprost, *in* T-00483
▷Dinoprostone, *in* D-00339
▷Dinoprost trometamol, *in* T-00483
▷Dinoprost tromethamine, *in* T-00483
20,21-Dinor-16α-eburnamine, *see* V-00038
▷Dinovex, *see* D-00223
Dinsed, D-00469
▷Dinsidon, *in* O-00052
▷Dinulcid, *see* O-00082
2,2′-[[3-(Dioctadecylamino)propyl]imino]bisethanol, *see* A-00488
N,*N*-Dioctadecyl-*N*′,*N*′-bis(2-hydroxyethyl)-1,3-propanediamine, *see* A-00488
Dioctin, *see* D-00265
▷Dioctyl sodium sulfosuccinate, *in* B-00210
3,5-Diodo-4-(3-iodo-4-methoxyphenoxy)benzeneacetic acid 2-(diethylamino)ethyl ester, *see* T-00230
▷Diodone, *in* D-00363
Diodone meglumine, *in* D-00363
▷Diodoquin, *see* D-00364
Diohippuric acid, D-00470
▷Dionina, *in* M-00449
▷Dionosil, *in* D-00363
Diopine, *in* D-00518
Dioscin, *in* S-00129
▷Diosgenin, *in* S-00129
Diosmetin, *see* T-00476
Diosmin, *in* T-00476
▷Diostril, *in* D-00363
Diothane, *see* D-00481
Diothoid, *see* D-00481
▷Diothyl, *see* P-00587
▷Diovocyclin, *in* O-00028
Diovol, *in* D-00390
Dioxadilol, D-00471
▷3,14-Dioxa-2,15-dithia-6,11-diazahexadecane-8,9-diol 2,2,15,15-tetraoxide, *see* R-00068
Dioxadrol, D-00472
▷Dioxadrol hydrochloride, *in* D-00472
Dioxahexadecanium bromide, *in* P-00457
Dioxamate, D-00473
▷1,4-Dioxan-2,3-diyl *S*,*S*-di(*O*,*O*-diethyl phosphorodithioate), *see* D-00475
▷2,3-*p*-Dioxanedithiol *S*,*S*-bis(*O*,*O*-diethyl phosphorodithioate), *see* D-00475
▷*S*,*S*′-(1,4-Dioxane-2,3-diyl) *O*,*O*,*O*′,*O*′-tetraethyl di(phosphorothioate), *see* D-00475
▷Dioxanin, *in* D-00275
α-1,3-Dioxan-5-yl-*N*,*N*-dimethyl-3-pyridinemethanamine, *see* D-00406
10-[3-[4-(2-*m*-Dioxan-2-ylethyl)-1-piperazinyl]propyl]-phenothiazine, *see* O-00090
10-[3-[4-(2-*m*-Dioxan-2-ylethyl)-1-piperazinyl]propyl]-2-(trifluoromethyl)phenothiazine, *see* O-00077
Dioxaphetyl butyrate, D-00474
(1,4-Dioxaspiro[4.5]dec-2-ylmethyl)guanidine, *see* G-00100
▷Dioxathion, D-00475
▷Dioxation, *see* D-00475
Dioxatrine, *in* B-00080
Dioxethedrin, D-00476
Dioxifedrine, D-00477
3-[(3,17-Dioxoandrost-4-en-7-yl)thio]propanoic acid, *see* O-00071
▷1,3-Dioxo-1*H*-benz[*de*]isoquinoline-2(3*H*)-acetic acid, D-00478
3,3′-Dioxo[$\Delta^{2,2'}$-biindoline]-5,5′-disulfonate, *see* I-00058
α,α′-Dioxo[1,1′-biphenyl]-4,4′-diacetaldehyde, *see* B-00177
2,2′-(1,4-Dioxo-1,4-butanediyl)bis(oxy)bis[*N*-ethyl-*N*,*N*-dimethyl]ethanaminium, *see* S-00282
▷2,2′-(1,4-Dioxo-1,4-butanediyl)bis(oxy)bis[*N*,*N*,*N*-trimethyl]-ethanium, *see* S-00280
2,2′-[(1,4-Dioxo-1,4-butanediyl)bis(oxy-3,1-propanediyl)]-bis-1,2,3,4-tetrahydro-6,7,8-trimethoxy-2-methyl-1-[(3,4,5-trimethoxyphenyl)methyl]isoquinolinium, *see* D-00589
N,*N*′-[(3,6-Dioxo-1,4-cyclohexadiene-1,4-diyl)bis(imino-3,1-propanediyl)]bis[*N*,*N*-diethylbenzenemethanaminium](2+), *see* B-00096
▷3,3′-[(1,10-Dioxo-1,10-decanediyl)diimino]bis[2,4,6-triiodo-5-[(methylamino)carbonyl]benzoic acid, *see* I-00134
17-[(1,3-Dioxododecyl)oxy]androst-4-en-3-one, *in* H-00111
N,*N*′-[(1,2-Dioxo-1,2-ethanediyl)bis(imino-2,1-ethanediyl)]-bis(2-chloro-*N*,*N*′-diethyl)benzenemethanaminium, *see* A-00167
1,3-Dioxoferruginyl methyl ether, *in* F-00095
α,9-Dioxo-9*H*-fluorene-2-acetaldehyde, D-00479
3,3′-[(1,6-Dioxo-1,6-hexanediyl)diimino]bis(2,4,6-triiodobenzoic acid), *see* I-00097
▷3,3′-[(1,6-Dioxo-1,6-hexanediyl)diimino]bis-2,4,6-triiodo-5-[(methylamino)carbonyl]benzoic acid, *see* I-00093
(2,5-Dioxo-4-imidazolidinyl)urea, *see* A-00123
▷Dioxolane, *see* P-00481
▷7-(1,3-Dioxolan-2-ylmethyl)-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* D-00596
▷7-(1,3-Dioxolan-2-ylmethyl)theophylline, *see* D-00596
(1,3-Dioxolan-4-ylmethyl)trimethylammonium, *see* O-00091
▷Dioxone, *see* D-00226
2,2′-[(1,8-Dioxo-4-octene-1,8-diyl)bis(oxy-3,1-propanediyl)]-bis[1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-[(3,4,5-trimethoxyphenyl)methyl]isoquinolinium, *see* M-00409
▷1,3-Dioxo-2-phenylindane, *see* P-00192
2-(2,6-Dioxo-3-piperidinyl)hexahydro-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *see* T-00003

▷2-(2,6-Dioxo-3-piperidinyl)-1*H*-isoindole-1,3(2*H*)-dione, *see* P-00223
▷*N*-(2,6-Dioxo-3-piperidinyl)phthalimide, *see* P-00223
N-(2,6-Dioxo-3-piperidyl)-2,3-norbornanedicarboximide, *see* T-00003
▷Dioxopromethazine, *in* P-00478
5,5′-[(1,3-Dioxo-1,3-propanediyl)bis[(2-hydroxyethyl)-imino]]-bis[*N*,*N*′-bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00096
5,5′-[(1,3-Dioxo-1,3-propanediyl)bis(methylimino)bis[*N*,*N*′-bis-2,3-dihydroxy-1-(hydroxymethyl)propyl]-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00144
▷4,6-Dioxo-10-propyl-4*H*,6*H*-benzo[1,2-*b*:5,4-*b*′]dipyran-2,8-carboxylic acid, *see* A-00169
▷4,6-Dioxo-10-propyl-4*H*,6*H*-pyrano[3,2-*g*]chromene-2,8-dicarboxylic acid, *see* A-00169
▷Dioxoprothazine, *in* P-00478
4-[[(2,5-Dioxo-1-pyrrolidinyl)oxy]carbonyl]-α,α,4-triphenyl-1-piperidinebutanenitrile, *see* D-00264
3,4-Dioxopyrrolizidine, *see* D-00302
▷3,3′-[(1,16-Dioxo-4,7,10,13-tetraoxahexadecane-1,16-diyl)-diimino]bis[2,4,6-triiodobenzoic acid], *see* I-00108
▷Dioxybenzone, *in* T-00472
Dioxychlorane, *see* D-00182
▷Dioxyline, *see* D-00463
▷Dioxyline, *in* H-00211
▷Diparalene, *in* C-00198
▷Diparcol, *in* D-00227
▷Dipaxin, *see* D-00483
▷Dip-Conray, *in* I-00140
Dipect, *see* P-00275
Dipenine(1+), D-00480
▷Dipenine bromide, *in* D-00480
Dipenteneglycol, *see* H-00216
Dipentum, *in* O-00041
Diperodon, D-00481
▷Diphacil, *see* A-00072
▷Diphacinone, *see* D-00483
Diphemanil (1+), D-00482
▷Diphemanil methylsulfate, *in* D-00482
▷Diphemanil metilsulfate, *in* D-00482
▷Diphemethoxidine, *see* D-00499
Diphemin, *see* D-00410
▷Diphenacin, *see* D-00483
▷Diphenadione, D-00483
Diphenamilate, *see* M-00103
Diphenan, *in* B-00127
▷Diphenatil, *in* D-00482
▷Diphencarbamide, *see* P-00150
Diphenchloxazine, *see* D-00263
Diphenethylamine, *see* D-00491
▷Diphenhydramine, D-00484
Diphenhydramine citrate, *in* D-00484
▷Diphenhydramine hydrochloride, *in* D-00484
▷Diphenhydramine methiodide, *in* M-00064
▷Diphenhydramine teoclate, *in* D-00484
▷Diphenicillin, D-00485
▷Diphenidol, D-00486
▷Diphenidol hydrochloride, *in* D-00486
Diphenidol pamoate, *in* D-00486
▷Diphenoxylate, *in* D-00265
▷Diphenpyramide, D-00487
▷Diphenylacetic acid, D-00488
▷Diphenylacetonitrile, *in* D-00488
▷2-(Diphenylacetyl)-1,3-indandione, *see* D-00483
▷2-(Diphenylacetyl)-1*H*-indene-1,3(2*H*)-dione, *see* D-00483
α,α-Diphenyl-1-azabicyclo[2.2.2]octane-3-methanol, *see* Q-00006
2-(2,2-Diphenyl-1,3-benzodioxol-5-yl)-3,4-dihydro-2*H*-1-benzopyran-3,5,7-triol, *see* B-00039
2-[4-(1,2-Diphenyl-1-butenyl)phenoxy]-*N*,*N*-dimethylethanamine, *see* T-00023
4,4-Diphenyl-2-butylamine, D-00489
1,1-Di(phenylcarbamoyloxymethyl)cyclopentane, *see* C-00587
3,3′-[(2,4-Diphenyl-1,3-cyclobutanediyl)bis(carbonyloxy)]-bis[*N*,*N*-diethyl-*N*-methyl-1-propanaminium], *see* T-00562
1,1′-[(2,4-Diphenyl-1,3-cyclobutanediyl)bis(carbonyloxy-3,1-propanediyl)]bis[1-ethylpiperidinium], *see* T-00563
4,4-Diphenylcyclohexanamine, *see* D-00490
4,4-Diphenylcyclohexylamine, D-00490
2,2-Diphenylcyclopropanecarboxylic acid 2-(1-piperidinyl)ethyl ester, *see* P-00361
2-(2,2-Diphenylcyclopropyl)-4,5-dihydro-1*H*-imidazole, *see* C-00322
3-[[(2,2-Diphenylcyclopropyl)methyl]amino]propyl 3,4,5-trimethoxybenzoate, *see* E-00006
N-(3-Diphenylcyclopropyl)-1-pyrrolidineacetamide, *see* C-00385
2,2-Diphenyl-4-(1,4-diazabicyclo[4.4.0]dec-4-yl)butyramide, *see* P-00348
2,2′-Diphenyldiethylamine, D-00491
▷1,3-Diphenyl-5-(2-dimethylaminopropionamido)pyrazole, *see* D-00262
2-(2,2-Diphenyl-1,3-dioxolan-4-yl)piperidine, *see* D-00472
Diphenylene sulfide, *see* D-00160
▷2-(1,1-Diphenylethoxy)-*N*,*N*-dimethylethanamine, *see* M-00460
▷2-(1,1-Diphenylethoxy)-*N*,*N*-dimethylethylamine, *see* M-00460
2-(1,2-Diphenylethoxy)-*N*,*N*,*N*-trimethylethanaminium, *see* B-00151
▷1,2-Diphenylethylamine, D-00492
1-[2-[3-(2,2-Diphenylethyl)-1,2,4-oxydiazol-5-yl]ethyl]-piperidine, *see* P-00422
3-(2,2-Diphenylethyl)-5-(2-piperidinoethyl)-1,2,4-oxadiazole, *see* P-00422
▷5,5-Diphenylhydantoin, *see* D-00493
Diphenylhydroxyacetic acid (1-methyl-3-pyrrolidinyl)-methyl ester, *see* T-00447
▷1,2-Diphenyl-2-hydroxyethanone, *see* B-00093
▷5,5-Diphenyl-2,4-imidazolidinedione, D-00493
5,5-Diphenyl-4-imidazolidinone, D-00494
2-[2-(4,5-Diphenyl-1*H*-imidazol-2-yl)phenoxy]-*N*,*N*-dimethylethanamine, *see* T-00458
Diphenyliodonium(1+), D-00495
Diphenyliodonium *I*-oxide acetate, *in* D-00495
▷8,10-Diphenyllobelionol, *see* L-00064
▷Diphenylmethane-α-carboxylic acid, *see* D-00488
2-(Diphenylmethoxy)-*N*,*N*-diethyl-*N*-methylethanaminium, *see* E-00037
▷2-(Diphenylmethoxy)-*N*,*N*-dimethylethanamine, *see* D-00484
▷2-(Diphenylmethoxy)-*N*,*N*-dimethylethylamine, *see* D-00484
2′-(Diphenylmethoxy)-*N*,1-dimethyl-2-phenoxydiethylamine, *see* P-00421
▷3-(Diphenylmethoxy)-8-ethyl-8-azabicyclo[3.2.1]octane, *see* E-00172
[2-(Diphenylmethoxy)ethyl]diethylmethylammonium, *see* E-00037
α-[1-[[2-(Diphenylmethoxy)ethyl]methylamino]ethyl]benzyl alcohol, *see* D-00266
N-[2-(Diphenylmethoxy)ethyl]-*N*-methylcinnamylamine, *see* C-00364
N-[2-(Diphenylmethoxy)ethyl]-*N*-methyl-1-phenoxy-2-propanamine, *see* P-00421
N-[2-(Diphenylmethoxy)ethyl]-*N*-methyl-3-phenyl-2-propen-1-amine, *see* C-00364
4-[2-(Diphenylmethoxy)ethyl]morpholine, D-00496
▷3α-(Diphenylmethoxy)-8-ethyl-1α*H*,5α*H*-nortropane, *see* E-00172
1-[2-(Diphenylmethoxy)ethyl]piperidine, *see* P-00114
2-(Diphenylmethoxy)ethyltrimethylammonium, *see* M-00064
▷3-(Diphenylmethoxy)-8-methyl-8-azabicyclo[3.2.1]octane, *see* B-00104
▷4-(Diphenylmethoxy)-1-methylpiperidine, *see* D-00514
4-[4-[4-(Diphenylmethoxy)-1-piperidinyl]-1-oxobutyl]-α,α-dimethylbenzeneacetic acid, *see* C-00073
2-(Diphenylmethoxy)-*N*,*N*,*N*-trimethylethanaminium, *see* M-00064
▷3-Diphenylmethoxytropane, *see* B-00104
1,7-Diphenyl-3-methylaza-7-cyanononadecane, *see* R-00086
4-(Diphenylmethyl)-1,2-dimethyl-2-veratrylpiperazine, *see* B-00045

2-(Diphenylmethylene)butylamine, D-00497
3,4′-*O*,*O*-Diphenylmethylenecyanidan-3-ol, *see* B-00039
3-(Diphenylmethylene)-1,1-diethyl-2-methylpyrrolidinium, *see* P-00430
4-(Diphenylmethylene)-1,1-dimethylpiperidinium, *see* D-00482
3′,4′-[(Diphenylmethylene)dioxy]-3,5,7-flavantriol, *see* B-00039
3-(Diphenylmethylene)-1-ethylpyrrolidine, D-00498
Diphenylmethylenemalonic mononitrile, *see* C-00582
α-(Diphenylmethylene)-2-methoxybenzeneacetic acid, *see* A-00394
2-[2-[2-[4-(Diphenylmethylene)-1-piperidinyl]ethoxy]-ethoxy]-ethanol, *see* P-00303
1-(Diphenylmethyl)-4-(*p*-hydroxybenzyl)piperazine, *see* B-00029
▷1-(Diphenylmethyl)-4-(3,4-methylenedioxybenzyl)piperazine, *see* M-00055
▷1-(Diphenylmethyl)-4-methylpiperazine, *see* C-00595
4-(Diphenylmethyl)-*N*-[(6-methyl-2-pyridinyl)methylene]-1-piperazinamine, *see* R-00090
1-(Diphenylmethyl)-4-[[(6-methyl-2-pyridyl)methylene]-amino]-piperazine, *see* R-00090
4-(Diphenylmethyl)-1-(*N*-octylformimidoyl)piperidine, *see* F-00061
4-(Diphenylmethyl)-1-(octylimino)methylpiperidine, *see* F-00061
Diphenyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276
1-(Diphenylmethyl)-4-(3-phenyl-2-propenyl)piperazine, *see* C-00372
α-[4-(Diphenylmethyl)-1-piperazinyl]-*p*-cresol, *see* B-00029
▷2-[2-[4-(Diphenylmethyl)-1-piperazinyl]ethoxy]ethanol, *see* D-00040
8-[2-[4-(Diphenylmethyl)-1-piperazinyl]ethyl]-3,7-dihydro-1-methyl-3-(2-methylpropyl)-1*H*-purine-2,6-dione, *see* L-00010
4-[[4-(Diphenylmethyl)-1-piperazinyl]methyl]phenol, *see* B-00029
1-[3-[4-(Diphenylmethyl)-1-piperazinyl]propyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* O-00094
▷2-(Diphenylmethyl)-1-piperidineethanol, D-00499
▷1-(Diphenylmethyl)-4-piperonylpiperazine, *see* M-00055
2-[(Diphenylmethyl)sulfinyl]acetamide, *see* M-00417
2-[(Diphenylmethyl)sulfinyl]acetohydroxamic acid, *see* A-00074
2-[(Diphenylmethyl)sulfinyl]-*N*-hydroxyacetamide, *see* A-00074
α,α-Diphenyl-4-morpholinebutanoic acid ethyl ester, *see* D-00474
▷4,5-Diphenyl-2-oxazolepropanoic acid, D-00500
N-(4,5-Diphenyl-2-oxazolyl)diethanolamine, *see* D-00545
2,2′-[(4,5-Diphenyl-2-oxazolyl)imino]diethanol, *see* D-00545
▷1,2-Diphenyl-4-[2-(phenylsulfinyl)ethyl]-3,5-pyrazolidinedione, *see* S-00258
3,3-Diphenyl-3′-(phenylthio)dipropylamine, *see* T-00303
▷1,2-Diphenyl-4-[2-(phenylthio)ethyl)]-3,5-pyrazolidinedione, D-00501
Diphenylphosphinylacetic acid hydrazide, D-00502
4,4-Diphenylpiperidine, D-00503
▷α,α-Diphenyl-1-piperidinebutanamide, *see* F-00070
▷α,α-Diphenyl-1-piperidinebutanol, *see* D-00486
α,α-Diphenyl-2-piperidinemethanol, D-00504
α,α-Diphenyl-3-piperidinemethanol, D-00505
α,α-Diphenyl-4-piperidinemethanol, D-00506
▷α,α-Diphenyl-1-piperidinepropanol, *see* D-00511
α,α-Diphenyl-2-piperidinepropionic acid ethyl ester, *see* P-00246
1,1-Diphenyl-3-piperidino-1-butanol, D-00507
▷1,1-Diphenyl-4-piperidino-1-butanol, *see* D-00486
1,1-Diphenyl-4-piperidino-2-butyn-1-ol, D-00508
▷2,2-Diphenyl-4-piperidinobutyramide, *see* F-00070
5,5-Diphenyl-2-(2-piperidinoethyl)-1,3-dioxolan-4-one, *see* P-00304
1,1-Diphenyl-3-piperidinopropane, *see* F-00071
5,5-Diphenyl-2-[2-(piperidinyl)ethyl]-1,3-dioxolan-4-one, *see* P-00304
4,4-Diphenyl-6-(1-piperidinyl)-3-heptanone, D-00509
4,4-Diphenyl-6-(1-piperidinyl)-3-hexanone, D-00510
▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
2,2-Diphenyl-5-(2-piperidyl)-1,3-dioxolane, *see* D-00472
Diphenylpropenamine, *see* D-00497
3-[(3,3-Diphenylpropyl)amino]propyl 3,4,5-trimethoxybenzoate, *see* M-00103
4-[(3,3-Diphenylpropyl)amino]pyridine, *see* M-00379
1-(3,3-Diphenylpropyl)cyclohexamethyleneimine, *see* D-00512
1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, D-00512
▷*N*-(3,3-Diphenylpropyl)-α-methylbenzylamine, *see* F-00044
N-(3,3-Diphenylpropyl)-α-methylcyclohexaneethylamine, *see* D-00609
N-(3,3-Diphenylpropyl)-*N*′-(1-methyl-2-phenylethyl)-1,3-propanediamine, D-00513
1-(3,3-Diphenylpropyl)piperidine, *see* F-00071
N-(3,3-Diphenylpropyl)-4-pyridinamine, *see* M-00379
▷1,1-Diphenyl-2-propynyl cyclohexylcarbamate, *see* E-00066
▷Diphenylpyraline, D-00514
▷Diphenylpyraline 8-chlorotheopyllinate, *in* D-00514
▷Diphenylpyraline hydrochloride, *in* D-00514
▷Diphenylpyraline teoclate, JAN, *in* D-00514
3,4-Diphenyl-1*H*-pyrazole-5-acetic acid, D-00515
Diphenyl[2-(4-pyridyl)cyclopropyl]methanol, *see* C-00649
1,5-Diphenyl-2-[3-[4-(2-pyridyl)piperazin-1-yl]propyl]-pyrazolin-3-one, *see* R-00034
1,1-Diphenyl-4-(1-pyrrolidinyl)-2-butyn-1-ol, *see* B-00407
α,α-Diphenyl-3-quinuclidinemethanol, *see* Q-00006
Diphenyl tartrate, *in* T-00028
5,5-Diphenyltetrahydroglyoxalin-4-one, *see* D-00494
5,5-Diphenyl-3-(2,2,2-trichloro-1-hydroxyethyl)-4-imidazolidinone, *see* T-00449
1-[Diphenyl[3-(trifluoromethyl)phenyl]methyl]-1*H*-1,2,4-triazole, *see* F-00193
Dipheridine, *see* D-00508
Diphesyl, *in* A-00028
Diphexamide iodomethylate, *in* B-00434
Diphezyl, *in* A-00028
▷Diphos, *in* H-00132
▷Diphosphonat, *in* H-00132
(Diphosphonomethyl)butanedioic acid, *see* B-00397
▷Diphosphopyridine nucleotide, *see* C-00530
▷Diphosphothiamine, *see* T-00175
Diphoxazide, D-00516
▷Diphylets, *in* P-00202
▷Dipidolor, *see* P-00337
Dipipanone, *see* D-00509
▷Dipiperal, *see* P-00274
▷2,2′,2″,2‴-[(4,8-Dipiperidinopyrimido[5,4-*d*]pyrimidine-2,6-diyl)dinitrilo]tetraethanol, *see* D-00530
▷2,2′,2″,2‴-[(4,8-Di-1-piperidinylpyrimido[5,4-*d*]-pyrimidine-2,6-diyl)dinitrilo]tetrakisethanol, *see* D-00530
▷Dipiperon, *see* P-00274
Dipiproverine, D-00517
▷Dipiroxim, *see* T-00493
Dipivefrin, D-00518
Dipivefrine, *see* D-00518
Dipivefrin hydrochloride, *in* D-00518
▷Diplin, *see* O-00149
▷Diplosal, *see* S-00015
Diplosalacetat, *in* S-00015
Diponium, *see* D-00480
▷Diponium bromide, *in* D-00480
▷Dipotassium bis[μ-[tartrato(4−)]]diantimonate(2−), *see* A-00414
▷Dipotassium clorazepate, *in* C-00494
Diprafenone, D-00519
▷Dipramid, *in* I-00199
▷Diprazin, *in* P-00478
▷Diprenorphine, D-00520
Diprenorphine hydrochloride, *in* D-00520
▷Diprivan, *see* D-00367

▷Diprobutine, *see* P-00515
Diprofarn, *see* D-00532
Diprofene, D-00521
Diprofenum, *see* D-00521
▷Diprofilin, *see* D-00523
Diprogulic acid, *in* H-00070
Diproleandomycin, *in* O-00035
▷Diprolene, *in* B-00141
Dipropanolamine, *see* I-00037
3′,5-Di(2-propenyl)-2,4′-biphenyldiol, D-00522
Di-2-propenyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276
▷5,5-Di-2-propenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* D-00119
Diprophene, *see* D-00521
▷Diprophylline, D-00523
▷Dipropylacetic acid, *see* P-00516
4-[2-(Dipropylamino)ethyl]-1,3-dihydro-2*H*-indol-2-one, *see* R-00087
2-(Dipropylamino)ethyl diphenylthioacetate, *see* D-00521
S-[2-(Dipropylamino)ethyl α-phenylbenzeneethanethioate, *see* D-00521
2-(Dipropylamino)-8-hydroxytetralin, *in* A-00335
▷1,1-Dipropylbutylamine, *see* P-00515
Dipropyl[decamethylenebis(oxyethylene)]bis[(carboxymethyl)-dimethylammonium, *see* P-00457
Dipropyline, *see* E-00184
Dipropyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276
1,3-Dipropyl-7-methylxanthine, D-00524
2,2-Dipropylpentanamide, *in* D-00525
2,2-Dipropylpentanoic acid, D-00525
▷*p*-(Dipropylsulfamoyl)benzoic acid, *see* P-00444
N,*N*-Dipropyl-*p*-toluenesulfonamide, *in* M-00228
Diproqualone, D-00526
Diproteverine, D-00527
Diprothazinum, *see* D-00378
▷Diprotrizoic acid, *in* D-00138
Diproxadol, D-00528
Diprozin, *in* P-00516
Dipstan, *in* C-00579
▷Dipterex, *see* T-00443
Dipyrandium(2+), D-00529
Dipyrandium chloride, *in* D-00529
▷Dipyridamole, D-00530
N,*N*′-(1,2-Di-4-pyridinyl-1,2-ethanediyl)bis[2-methylbenzamide], *see* T-00362
α-[3-(Di-2-pyridinylmethylene)-1,4-cyclopentadien-1-yl]-α-2-pyridinyl-2-pyridinemethanol, *see* P-00588
1,1′-Di(4-pyridyl)dimethylamine, *see* D-00531
2,2′-Dipyridyl disulfide, *see* D-00551
N,*N*′-(1,2-Di-4-pyridylethylene)bis[*o*-toluamide], *see* T-00362
Di(4-pyridylmethyl)amine, D-00531
3-(Di-2-pyridylmethylene)-α,α-di-2-pyridyl-1,4-cyclopentadiene-1-methanol, *see* P-00588
Dipyrithione, *in* D-00551
Dipyrocetyl, *in* D-00315
Dipyrone, D-00532
▷Dipyroxim, *see* T-00493
▷1,4-Dipyrrolidino-2-butyne, *see* T-00409
Diquel, *see* E-00266
▷Diralgin, *see* F-00119
▷Dirame, *in* P-00505
▷Dirax, *in* I-00093
Direct Red, *see* C-00541
▷Dirian, *see* B-00328
Dirithromycin, D-00533
▷Dirnate, *in* S-00217
▷Disalan, *see* R-00003
▷Disalcid, *see* S-00015
Disamide, *see* D-00543
▷Disanyl, *see* B-00292
Discase, *see* C-00315
Diseon, *see* A-00109
▷Disepron, *in* S-00114
▷Disgren, *in* H-00215
DISIDA, *see* D-00536
▷Disipal, *in* O-00064
Disiquonium(1+), D-00534
Disiquonium chloride, *in* D-00534
Disobutamide, D-00535
▷Disodium sulbenicillin, JAN, *in* S-00181
▷Disofen, *see* D-00360
Disofenin, D-00536
Disogluside, *in* S-00129
Disomer, *in* B-00325
▷Disomer, *in* B-00325
▷Disophenol, *see* D-00360
Disophrol, *in* M-00221
▷Disoprofol (obsol.), *see* D-00367
▷Disopyramide, D-00537
▷Disopyramide phosphate, *in* D-00537
▷Disorat, *see* M-00322
Disoxaril, D-00538
Dispan, *see* A-00474
▷Dispas, *in* D-00276
▷Dispranol, *see* B-00200
▷Distaclor, *see* C-00109
Distamine, *see* P-00064
▷Distamycin *A*, D-00539
Distaneurin, *in* C-00238
▷Distaquaine V, *see* P-00171
▷Distaval, *see* P-00223
▷Distensan, *see* C-00508
Distigmine(2+), D-00540
▷Distigmine bromide, *in* D-00540
▷Disto 5, *in* B-00204
▷Distobitin, *in* B-00204
▷Distolon, *see* N-00092
▷Distracaine, *in* P-00432
Disufene, *in* B-00178
Disulergine, D-00541
Disulfamide, *see* D-00543
Disulfbumide, *see* D-00549
Disulfine Blue *VNS*, *see* S-00249
▷Disulfiram, D-00542
Disulphamide, D-00543
Disuprazole, D-00544
▷Diswart, *see* P-00090
▷Disyncran, *in* M-00177
Ditazol, *see* D-00545
Ditazole, D-00545
▷Diteftin, *see* F-00299
Diteonicon, *see* D-00466
Ditercalinium(2+), D-00546
Ditercalinium chloride, *in* D-00546
Ditetracycline, D-00547
▷Dithan, *see* B-00211
2,6-Di-2-thenylidenecyclohexanone, *see* B-00237
3,4-Dithia-1,6-hexanedisulfonic acid, *see* D-00550
▷Dithiazanine(1+), D-00548
▷Dithiazanine iodide, *in* D-00548
α-[1-[(3,3-Di-3-thienylallyl)amino]ethyl]benzyl alcohol, *see* T-00295
3-(Di-2-thienylmethylene)-5-methoxy-1,1-dimethylpiperidinium, *see* T-00284
▷3-(Di-2-thienylmethylene)-1-methylpiperidine, *see* T-00311
3-(Di-2-thienylmethylene)octahydro-5-methyl-2*H*-quinolizinium, *see* T-00321
α-[1-[(3,3-Di-3-thienyl-2-propenyl)amino]ethyl]-benzenemethanol, *see* T-00295
[*N*-(3,3-Di-3-thienyl)-2-propenyl]norephedrine, *see* T-00295
▷*N*,*N*′-[Dithiobis[2-(2-benzoyloxyethyl)-1-methyl-2,1-ethenediyl]]bis[*N*-[(4-amino-2-methyl-5-pyrimidinyl)-methyl]formamide, *see* B-00194
2,2′-Dithiobis[*N*-butylbenzamide], D-00549
▷2,2′-Dithiobisethanamine, *see* B-00188
2,2′-Dithiobisethanesulfonic acid, D-00550
▷2,2′-Dithiobisethylamine, *see* B-00188
N,*N*′-[Dithiobis[2-(2-hydroxyethyl)-1-methyl-2,1-ethenediyl]]-bis[*N*-[(4-amino-2-methyl-5-pyrimidinyl)-methyl]-formamide], *see* T-00176

2,2′-Dithiobispyridine, D-00551
[2,2′-Dithiobis[pyridine] 1,1′-dioxide-*O*,*O*′,*S*][sulfato(2−)-*O*]-magnesium, *in* D-00551
▷Dithiobis[thioformic acid] *O*,*O*-diethyl ester, *see* D-00556
▷Dithiocarb, *in* D-00244
▷Dithiocarbonic anhydride, *see* C-00058
2,2′-(Dithiodicarbonothioyl)bis[*N*-(2-methoxyethyl)-1-cyclopenten-1-amine, D-00552
N,*N*″-(Dithiodi-2,1-ethanediyl)bis[*N*′-[(2-methoxyphenyl)-methyl]-1,6-hexanediamine, *see* B-00049
N′,*N*″(Dithiodi-2,1-ethanediyl)bis[*N*′-(1*H*-pyrrol-2-ylmethyl)-1,6-hexanediamine, *see* P-00567
2,2′-Dithiodiethanesulfonic acid, *see* D-00550
3,3′-(Dithiodimethylene)bis[5-hydroxy-6-methyl-4-pyridinemethanol], *see* P-00590
▷1,2-Dithioglycerol, *see* D-00385
1,3-Dithioisophthalic acid *S*,*S*-diethyl ester, *see* D-00553
▷1,2-Dithiolane-3-pentanoic acid, *see* L-00053
Dithioral, *in* H-00127
Dithiosalicylic acid, *see* H-00127
▷Dithiotartaric acid, *see* D-00384
▷Dithranol, *see* D-00310
▷Ditiocarb sodium, *in* D-00244
Ditiomustine, *in* C-00222
Ditolamide, *in* M-00228
Di-*p*-toluoyl tartrate, *in* T-00028
Di-*p*-tolyliodonium, *see* B-00230
α,α-Di-*o*-tolyl-3-quinuclidinemethanol, *see* S-00044
Ditophal, D-00553
Ditrazin, *see* D-00248
▷2-Di[(α,α,*N*-trimethylphenethylcarbamoyl)methyl]-aminoethanol, *see* O-00106
1,6-Di-*O*-trityl-D-mannitol, *in* M-00018
Ditrobutal, *in* P-00180
Ditrone, *in* P-00180
▷Ditropan, *in* O-00147
Ditustat, *see* D-00610
Dityrin, *see* D-00365
▷Diu 60, *see* B-00032
▷Diucardin, *see* H-00099
▷Diucardyn sodium, *in* M-00118
▷Diucen, *see* B-00103
▷Diumerin, *in* C-00067
▷Diupres, *in* C-00288
▷Diupres, *in* R-00029
▷Diurapid, *see* A-00530
Diurazine, *see* D-00136
▷Diurazyna, *see* C-00275
Diurca, *see* A-00162
Diuredosan, D-00554
▷Diuremade, *see* P-00386
Diurene, *see* Q-00021
▷Diurese, *see* M-00069
Diurex, *see* X-00017
Diurexan, *see* X-00017
▷Diuril, *see* C-00288
▷Diurobromine, *see* T-00166
▷Diursal, *in* M-00122
DIV 154, *in* B-00028
Divabuterol, *in* T-00084
▷Divalproex, *see* P-00516
Divalproex sodium, *in* P-00516
▷Divanil, *see* B-00218
▷2,6-Divanillylidenecyclohexanone, *see* B-00218
▷Divanon, *see* B-00218
Divaricoside, *in* T-00473
Divascan, *see* I-00156
▷Diverine, *in* D-00276
▷Dividol, *see* V-00030
▷Diviminol, *see* V-00030
▷Divinyl ether, D-00555
▷Divinyl oxide, *see* D-00555
▷Divistyramine, *see* C-00307
Dixamone, *see* M-00169
▷Dixanthogen, D-00556
▷Dixeran, *in* M-00081
2-[2-Di-(2,6-xylylmethoxy)ethoxy]-*N*,*N*-dimethylethylamine, *see* X-00026
1-(Di-2,6-xylylmethoxy)-3-(isopropylamino)-2-propanol, *see* X-00018
Dixypazin, *in* D-00557
▷Dixyrazine, D-00557
Dizactamide, D-00558
Dizatrifone, D-00559
Dizocilpine, D-00560
▷Dizol, *see* D-00134
▷DJ-1461, *see* B-00346
▷DJ 1550, *see* S-00200
DJ 1611, *see* T-00306
▷DJP, *see* D-00362
DL 150 *IT*, *in* O-00100
▷DL 152, *in* R-00029
DL 164, *in* C-00274
▷DL 204*IT*, *see* E-00169
▷DL 435, *in* A-00093
DL 473, *see* R-00048
DL-588, *in* N-00039
DL-8280, *see* O-00032
DL 071 IT, *in* A-00082
DL-181-IT, *see* P-00418
DL-308-IT, *in* Z-00010
▷DL-458-IT, *see* D-00046
DL 507IT, *see* T-00056
▷DL 717 IT, *see* L-00104
DL-809-IT, *see* A-00287
DMAH, *see* T-00324
▷DMAP, *in* A-00298
▷DMMP, *in* E-00218
▷DMS, *in* D-00384
▷DMSA, *in* D-00384
▷DMSO, *see* D-00454
▷D-Mycin, *see* C-00056
DNA 2114, *see* C-00598
▷DOA, *see* P-00183
DOB, *in* B-00298
Doberol, *in* T-00352
▷Doburil, *see* C-00639
Dobutamine, D-00561
▷Dobutamine hydrochloride, *in* D-00561
▷Dobutrex, *in* D-00561
Docarpamine, D-00562
6,7,8,9,10,11,12,13,14,15,22,23,24,25,26,27,28,29,30,31,32,33-Docasahydro-36,38-dimethyl-5,34:16,21-diethenodibenzo[*b*,*r*][1,5,16,20]tetraazacyclotriacontine-5,16-diium, *see* B-00202
Doclizid *T*, *in* C-00275
Doconazole, D-00563
4,7,10,13,16,19-Docosahexaenoic acid, D-00564
▷Docusate calcium, USAN, *in* B-00210
▷Docusate potassium, USAN, *in* B-00210
▷Docusate sodium, *in* B-00210
▷Doda, *in* O-00012
Dodecahydro-7,14-methano-2*H*,6*H*-dipyrido[1,2-*a*:1′,2′-*e*]-diazocine, *see* S-00110
1,2,3,4,4*aβ*,5,7,8,13,13*bα*,14,14*aα*-Dodecahydro-13-methyl-benz[*g*]indolo[2,3-*a*]quinolizine, *see* M-00380
▷Dodecarbonium chloride, *in* M-00147
Dodeclonium(1+), D-00565
Dodeclonium bromide, *in* D-00565
N-[2-(Dodecylamino)-2-oxoethyl]-*N*,*N*-di-methylbenzenemethanaminium, *see* M-00147
(4-Dodecylbenzyl)trimethylammonium(1+), D-00566
N-Dodecyl-*N*,*N*-bis(2-hydroxyethyl)-benzenemethanaminium(1+), *see* B-00117
N-Dodecyl-*N*,*N*-dimethylbenzenemethanaminium, *see* B-00113
Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567
▷1-Dodecylhexahydro-2*H*-azepin-2-one, *see* L-00015
Dodecylidenetriphenylphosphorane, *in* D-00568
α-Dodecyl-3-methoxy-α-[3-[[2-(3-methoxyphenyl)ethyl]-methyl-amino]propyl]benzeneacetonitrile, *see* A-00392
α-Dodecyl-α-[3-[methyl(2-phenylethyl)amino]propyl]-benzeneacetonitrile, *see* R-00086

1,1′-[4-(Dodecyloxy)-*m*-phenylene]diguanidine, *see* L-00016
3-(Dodecyloxy)propylamine, *in* A-00319
α-Dodecyl-3,4,5-trimethoxy-α-[3-[[2-(3-methoxyphenyl)-ethyl]-methylamino]propyl]benzeneacetonitrile, *see* D-00004
4-Dodecyl-*N*,*N*,*N*-trimethylbenzenemethanaminium, *see* D-00566
Dodecyltriphenylphosphonium(1+), D-00568
Dofamium(1+), D-00569
Dofamium chloride, *in* D-00569
▷Dogmatyl, *see* S-00259
Doisynestrol, *see* D-00570
Doisynoestrol, D-00570
Dolalgial, *in* C-00479
Dolargan, *see* T-00362
Dolcuran, *see* R-00055
Doledon, *see* P-00035
Dolgenal, *in* Z-00035
Doliracetam, D-00571
Dolisina B, *see* P-00498
Dolispan, *see* B-00111
▷Dolispasmo, *see* E-00258
▷Dolobid, *see* D-00272
Dologel, *in* H-00112
Dolonil, *in* T-00554
▷Dolophine, *see* M-00163
▷Doloxene, *in* P-00512
▷Dolsed, *see* A-00033
Dolunguent, *in* H-00112
Dolwas, *in* Z-00035
▷Domar, *see* P-00268
Domazoline, D-00572
Domazoline fumarate, *in* D-00572
▷Domibrom, *in* D-00567
▷Dominal, *see* P-00536
▷Domiodol, *see* I-00107
Domiphen, *see* D-00567
▷Domiphen bromide, *in* D-00567
Domipizone, D-00573
Domistan, *in* H-00078
▷Domnamid, *see* E-00126
Domoprednate, D-00574
Domosedan, *in* D-00426
Domoxin, D-00575
▷Domoxin tartrate, *in* D-00575
▷Domperidone, D-00576
▷DON, *see* A-00238
Donetidine, D-00577
▷Donnagel, *in* S-00031
Donnagel, *in* T-00554
▷Donnagel, *in* T-00554
▷Donnatal, *in* S-00031
Donnazyme, *in* P-00010
▷Donnazyme, *in* S-00031
Donnazyme, *in* T-00554
▷Donor, *in* A-00068
▷Donorest, *see* F-00079
3,4-DOPA, *see* A-00248
Dopacard, *see* D-00581
Dopamantine, D-00578
Dopamet, *in* M-00249
▷Dopamine, D-00579
▷Dopamine hydrochloride, *in* D-00579
Dopamine 3-O-glucoside, *in* D-00579
▷Dopastat, *see* D-00579
Dopastin, D-00580
Dopazinol, *in* N-00053
Dopexamine, D-00581
Dopexamine hydrochloride, *in* D-00581
▷Dopram, *in* D-00591
Dopropidil, D-00582
Doqualast, *see* O-00138
▷Doracil, *in* C-00280
Dorastine, D-00583
Dorastine hydrochloride, *in* D-00583
▷Dorbane, *see* D-00308
Dorela, *in* P-00028
Doreptide, D-00584
Doretinal, D-00585
▷Dorevan, *in* P-00504
▷Dorico, *in* P-00095
▷Doriden, *see* G-00061
Doridosine, *see* M-00265
Dorixina, *in* C-00479
▷Dormalin, *see* Q-00004
▷Dormate, *see* M-00039
Dormex, *see* C-00205
▷Dormicum, *in* M-00368
▷Dormin, *see* M-00171
▷Dormisan, *see* C-00629
▷Dormison, *see* M-00281
▷Dormonid, *in* M-00368
▷Dornal, *in* P-00430
▷Dornwal, *see* A-00310
▷Dorrol, *in* M-00221
▷Dorsacaine, *in* O-00146
▷Dorsiflex, *see* M-00095
▷Dorsilon, *see* M-00095
Dorsulfan, *in* S-00215
Dorval, *see* A-00129
Dosalupent, *in* O-00053
▷Dosberotec, *see* F-00064
Dosergoside, D-00586
Dosergoside mesilate, *in* D-00586
Dosetil, *see* P-00237
Dostalon, *see* M-00037
▷Dosulepin, *see* D-00588
DOTA, *see* T-00101
Dotan, *see* S-00272
Dotefonium(1+), D-00587
▷Dotefonium bromide, *in* D-00587
▷Dothiepin, D-00588
Dothiepin hydrochloride, *in* D-00588
Dovenix, *in* H-00142
▷Dovida, *in* D-00459
▷Dowco 132, *see* C-00572
▷Dowco 217, *see* F-00258
▷Dowex 1-X2-Cl, *see* C-00307
▷Dowicide 2, *see* T-00441
▷Dox, *see* A-00080
Doxacurium(2+), D-00589
Doxacurium chloride, *in* D-00589
Doxaminol, D-00590
▷Doxans, *see* D-00593
▷Doxapram, D-00591
▷Doxapram hydrochloride, *in* D-00591
▷Doxapril, *in* D-00591
Doxaprost, *see* H-00169
Doxazoline, *see* D-00572
Doxazosin, D-00592
Doxazosin mesylate, *in* D-00592
▷Doxefazepam, D-00593
Doxenitoin, *see* D-00494
▷Doxepin, D-00594
▷Doxepin hydrochloride, *in* D-00594
Doxergan, *in* O-00132
Doxibetasol, *see* D-00597
Doxifluridine, D-00595
▷Doxofylline, D-00596
▷Doxorubicin, *see* A-00080
▷Doxorubicin hydrochloride, *in* A-00080
Doxpicomine, *in* D-00406
▷Doxpicomine hydrochloride, *in* D-00406
Doxpizodine, *in* D-00406
Doxybetasol, D-00597
▷Doxycycline, *in* D-00080
Doxycycline fosfatex, *in* D-00080
Doxycycline hyclate, *in* D-00080
▷Doxylamine, D-00598
▷Doxylamine succinate, *in* D-00598
Doxypyrromycin, *see* A-00089
▷Doxytrex, *in* D-00313

DPD, *see* B-00397
▷DPN, *see* C-00530
▷DR 108, *see* I-00140
DR 250, *see* L-00080
DR 4003, *in* A-00290
▷Dragosil oral, *see* C-00559
Drainasept, *see* T-00032
▷Dramal, *see* P-00210
▷Dramamine, *in* D-00484
Dramedilol, D-00599
Draquinolol, D-00600
Drazidox, *in* M-00304
Drazifon, *see* T-00042
▷Drazine, *in* M-00282
▷Drazoxolon, D-00601
▷DRC 1201, *see* I-00094
▷Drenison, *see* F-00215
▷Drenoliver, *in* P-00081
▷Drenusil, *see* P-00386
Dribendazole, D-00602
▷Dricol, *in* A-00191
Drimyl, *in* E-00246
Drinidene, *see* A-00282
▷Driol, *see* O-00066
Dripterin, *see* P-00555
▷Dristan, *see* M-00242
Drixoral, *in* M-00221
Drobuline, D-00603
Drocinonide, D-00604
Drocinonide phosphate, *in* D-00604
Droclidinium(1+), D-00605
Droclidinium bromide, *in* D-00605
▷Drocort, *see* F-00215
Droctil, *see* E-00280
▷Drofenine, D-00606
▷Drogenil, *see* F-00224
Drolban, *in* H-00153
▷Droleptan, *see* D-00608
Droloxifene, D-00607
▷Drometrizole, *see* H-00172
▷Dromilac, *in* D-00132
▷Dromoran, *in* H-00166
▷Dromostanolone, *in* H-00153
Dromostanolone propionate, *in* H-00153
▷Dronabinol, *in* T-00115
▷Droncit, *see* P-00406
▷Dropempine, *in* T-00132
▷Droperidol, D-00608
Droprenilamine, D-00609
Dropropizine, D-00610
▷Drosopholin *B*, *see* P-00374
▷Drostanolone, *in* H-00153
Drostanolone propionate, *in* H-00153
Drotaverine, D-00611
▷Drotebanol, D-00612
Droxacin, D-00613
Droxacin sodium, *in* D-00613
▷Droxaryl, *see* B-00350
Droxicainide, D-00614
Droxicam, D-00615
▷Droxolan, *in* D-00321
▷Droxone, *in* A-00114
Droxypropine, D-00616
Drupanol, D-00617
Dry-Clox, *in* C-00515
▷Dryptal, *see* F-00267
▷DS 36, *see* S-00200
DS 103-282, *see* T-00330
DSB, *see* B-00384
DSIP, *see* T-00568
▷DSMA, *in* M-00226
▷DST, *see* D-00303
▷Dst 3, *see* D-00539
DT 327, *see* C-00480
▷D-40TA, *see* E-00126
▷DTC, *in* D-00244
▷DTIC, *see* D-00001
DTPB, *in* D-00568
▷DTS, *in* D-00384
DU 1219, *see* A-00090
▷DU-5747, *see* C-00079
▷DU 21220, *in* R-00067
DU 21445, *in* T-00315
DU 22550, *in* C-00032
DU 22599, *in* C-00519
DU 23000, *in* F-00234
DU 23187, *see* Q-00016
▷DU 23811, *see* C-00513
DU 23849, *in* S-00033
DU 23903, *in* S-00033
DU 27716, *in* F-00206
DU 28853, *in* E-00030
DU 29325, *see* B-00026
DU 29373, *in* F-00117
Dualar, *see* B-00091
Duazomycin, *in* A-00238
Duazomycin *A*, *in* A-00238
▷Duazomycin *B*, *see* A-00531
▷Duazomycin *C*, *see* A-00095
▷Duboisine, *in* T-00554
▷Dufalone, *see* M-00251
▷Dufaston, *see* D-00624
▷Dugro, *see* R-00084
Dulcidor, *see* C-00193
▷Dulcodos, *in* B-00210
Dulcoside *B*, *in* S-00147
Dulofibrate, D-00618
Dulozafone, D-00619
Dumenan, *see* G-00091
▷Duna, *see* P-00268
▷Duodegran, *see* R-00084
Duometacin, D-00620
▷Duomycin, *see* A-00476
▷Duopax, *see* H-00067
Duoperone, D-00621
Duoperone fumarate, *in* D-00621
DuP 785, *in* B-00269
▷Dupéran, *see* C-00468
▷Duphacid *T*, *in* H-00023
Duphalac, *see* L-00005
▷Duphaston, *see* D-00624
Dupracetam, D-00622
▷Durabolin, *in* H-00185
▷Durabolin *O*, *see* E-00213
▷Duraboral, *see* E-00213
▷Duracaine, *see* B-00368
Duraflex, *see* F-00159
▷Duralgin, *see* F-00119
▷Duranest, *see* E-00234
▷Durapro, *see* D-00500
▷Duraprox, *see* D-00500
▷Duraquin, *in* Q-00027
Duraspan, *in* C-00525
▷Durenate, *see* S-00245
▷Durhamycin, *see* F-00106
▷Duronitrin, *in* T-00538
Durovex, *in* O-00028
▷Dursban, *see* C-00301
▷Duspatal, *in* M-00033
▷Duspatalin, *in* M-00033
▷Duvadilan, *in* I-00218
▷Duvaline, *see* P-00568
▷Duvaron, *see* D-00624
▷Duvoid, *in* B-00143
▷DV 1006, *in* C-00187
DV 714, *see* L-00020
DW 62, *in* D-00377
DW 75, *see* P-00075
Dyclocaine, *see* D-00623
▷Dyclone, *in* D-00623
Dyclonine, D-00623
▷Dyclonine hydrochloride, *in* D-00623

▷Dydrogesterone, D-00624
▷Dyflos, *see* D-00368
▷Dygerma, *in* C-00289
▷Dylamon, *in* M-00064
Dylate, *in* C-00278
▷Dylox, *see* T-00443
▷Dymanthine, *in* O-00012
▷Dymanthine hydrochloride, *in* O-00012
▷Dynabiotic, *see* A-00533
Dynabolin, *in* H-00185
Dynacaine, *see* P-00595
▷Dynalin, *see* T-00238
▷Dynalin, *in* T-00238
▷Dynamutilin, *in* T-00238
Dynef, *in* E-00043
Dynese, *see* M-00005
Dynocard, *in* T-00474
Dynorphin, D-00625
▷Dyoctol, *in* B-00210
▷Dyphylline, *see* D-00523
▷Dyrenium, *see* T-00420
▷Dyscurai, *see* E-00150
▷Dysedon, *see* O-00132
Dysmalgine, *in* M-00269
▷Dytac, *see* T-00420
▷Dytransin, *see* I-00007
▷E 3, *see* L-00002
▷E 26, *see* O-00122
▷E 39, *see* I-00075
E 64, *see* E-00125
E-64-*C*, *see* M-00266
E 0646, *in* E-00072
E 124, *in* T-00179
E 142, *see* A-00388
E 243, *in* C-00161
▷E 250, *in* D-00449
263-E, *in* D-00312
▷E 265, *in* D-00416
▷E 2663, *see* B-00069
▷E 344, *in* B-00425
E 3702, *see* R-00006
E 438, *see* S-00255
E 5166, *in* T-00147
▷E 525, *see* S-00115
▷E 600, *see* P-00027
E-614, *see* T-00522
E 643, *see* B-00361
E 671, *see* T-00078
▷E 687, *in* B-00161
▷E 9002, *see* N-00042
E129A, *see* O-00068
▷EA 1299, *see* T-00066
EA 166, *in* P-00173
EB 644, *see* A-00109
Ebastine, E-00001
▷Ebesal, *in* A-00127
Ebornoxin, *in* E-00003
▷Ebrantan, *in* P-00543
▷Ebrantil, *see* U-00010
Ebrotidine, E-00002
Ebselen, *see* P-00178
Eburnal, *in* E-00003
Eburnamenin-14(15*H*)-one, *see* E-00003
Eburnamonine, E-00003
Eburnoxine, *in* E-00003
▷EC 3.4.21.1, *see* C-00316
EC 3.4.21.7, *see* P-00370
▷Ecapron, *see* T-00479
▷Ecarazine, *see* T-00338
Ecarazine hydrochloride, JAN, *in* T-00338
Ecastolol, E-00004
▷Ecatril, *see* D-00156
Ecgonine methyl ester benzoate, *see* C-00523
Echinon, *see* N-00186
Echinosporin, E-00005
▷Echodide, *in* E-00010
Echothiopate, *see* E-00010
Echubioside, *in* D-00274
▷Echujin, *in* D-00274
Ecinamine, *see* D-00497
Ecipramidil, E-00006
Eclabron, *in* T-00169
Eclanamine, E-00007
Eclanamine maleate, *in* E-00007
Eclazolast, E-00008
▷Ecloril, *see* C-00194
Eclotizidum, *see* E-00153
▷Ecodide, *in* E-00010
Ecolid, *see* C-00207
▷Econazole, E-00009
Econazole nitrate, *in* E-00009
▷Economycin, *in* T-00109
Ecostatin, *in* E-00009
Ecothiopate(1+), E-00010
▷Ecothiopate iodide, *in* E-00010
▷Ecstasy, *see* M-00201
Ectimar, *in* A-00214
▷Ectodex, *see* A-00349
▷Ectoral, *see* F-00039
Ectylurea, E-00011
▷Edathamil calcium disodium, *in* E-00186
▷Edecrin, *see* E-00145
▷Edelal, *in* P-00290
▷Edemax, *see* B-00103
▷Edetate calcium disodium, *in* E-00186
Edetate dipotassium, *in* E-00186
▷Edetate disodium, *in* E-00186
▷Edetate sodium, *in* E-00186
▷Edetate trisodium, *in* E-00186
▷Edetic acid, *see* E-00186
▷Edetol, E-00012
EDHEA, *in* H-00110
Edicloqualone, *see* C-00500
Edifolone, E-00013
Edifolone acetate, *in* E-00013
Edogestrone, E-00014
▷Edoxudine, E-00015
EDPA, *see* D-00497
▷Edrofuradene, *in* N-00115
Edrophonium(1+), E-00016
▷Edrophonium bromide, *in* E-00016
▷Edrophonium chloride, *in* E-00016
▷Edrul, *see* M-00473
▷EDTA, *see* E-00186
▷EDTN, *in* E-00186
▷EDU, *see* E-00015
▷Edurid, *see* E-00015
▷E-106-E, *in* F-00291
▷EE_3ME, *see* M-00138
Efaroxan, E-00017
▷Efcortisol inj., *in* C-00548
▷Efemetin, *see* D-00050
Efetozole, E-00018
▷Effectin, *in* B-00241
Efferalgan inj., *see* P-00485
▷Effilone, *see* D-00382
▷Effisax, *see* T-00577
Efflumidex, *see* F-00186
▷Effoless, *in* A-00272
Efical, *in* O-00140
▷Eflornithine, *see* D-00126
Eflornithine hydrochloride, *in* D-00126
▷Efloxate, E-00019
▷Efosin, *in* F-00070
▷Efosin, *in* F-00071
▷Efrane, *see* C-00230
▷Efrotomycin, E-00020
▷Efrotomycin A_1, *see* E-00020
▷Eftapan, *in* E-00091
▷Eftortil, *in* A-00272
▷EG 626, *see* O-00078
EGF, *see* E-00075

Egotux, *see* D-00397
▷EGTA, *see* B-00196
▷Egtazic acid, *see* B-00196
▷Egyt 13, *see* B-00094
▷Egyt 1050, *see* D-00042
Egyt 1299, *see* U-00014
Egyt 1855, *see* S-00158
Egyt-1932, *in* D-00192
EGYT 2509, *in* T-00392
▷Egyt 341, *see* T-00342
Egyt 402, *see* M-00323
▷Egyt 739, *in* G-00111
EHDP, *see* H-00132
8,11,14,18-Eicosatetraenoic acid, *see* I-00012
▷Eismycin, *see* P-00552
▷Ekilan, *see* M-00095
▷Ekomine, *in* T-00554
Ekonal, *in* N-00193
Ektyl, *see* E-00011
▷Ekvacillin, *in* C-00515
EL 1035, *in* A-00031
▷EL 466, *in* P-00328
EL 737, *in* B-00414
EL 784, *see* N-00054
EL 870, *see* T-00275
EL 968, *see* N-00114
EL-974, *see* T-00254
▷EL 857/820, *see* A-00428
▷Elagostasine, *see* E-00026
▷Elaidic acid, *in* O-00010
Elaidylamine, *in* O-00011
▷Elamidon, *in* M-00254
▷Elamol, *in* T-00339
▷Elancoban, *in* M-00428
▷Elanco-M, *see* T-00578
Elanone, *in* L-00024
Elantrine, E-00021
▷Elantrine dicyclamate, *in* E-00021
Elanzepine, E-00022
Elarzone, *see* P-00276
Elastan, *in* T-00506
▷Elastonon, *see* P-00203
▷Elavil, *in* N-00224
Elcatonin, E-00023
▷ELD 950, *see* E-00024
▷Eldadryl, *in* D-00484
▷Eldepryl, *in* D-00449
▷Eldezol, *in* N-00177
▷Eldicet, *in* P-00267
Eldisine, *in* V-00032
▷Eldodram, *in* D-00484
▷Eldopaque, *see* B-00074
▷Eldoquin, *see* B-00074
Eleagol, *see* S-00053
▷Electrocortin, *see* A-00106
▷Eledoisin, E-00024
Elepsin, *in* I-00040
Eleutheroside *A*, *in* S-00151
Elfazepam, E-00025
Elidin, *see* D-00389
Elidol *A*, *see* P-00035
▷Elipten, *see* A-00305
▷Elisal, *see* S-00263
▷Elixophyllin-KI, *in* P-00392
Elkapin, *in* O-00169
▷Elkosin, *see* S-00254
▷Ellagic acid, E-00026
▷Ellipticine, E-00027
Ellipticine N^2-oxide, *in* E-00027
▷Elliptinium(1+), E-00028
Elliptinium acetate, *in* E-00028
▷Elmex, *in* T-00537
▷Elmustine, *see* C-00237
Elnadipine, E-00029
▷Elobromol, *see* D-00163
▷Eloisin, *see* E-00024
▷Elorine, *in* P-00455
Elorine sulfate, *in* P-00455
▷Eloxyl, *see* D-00161
▷Elpen, *in* A-00429
▷Elronon, *in* N-00229
Elsedine, *in* V-00032
▷Elspan, *see* F-00144
▷Elspar, *see* A-00458
▷Elsyl, *in* M-00347
Eltenac, *see* D-00200
Eltoprazine, E-00030
▷Elucaine, E-00031
Elumota, *in* A-00421
Elvetil, *in* S-00155
Elveton, *in* S-00155
Elziverine, E-00032
▷Elzogram, *in* C-00120
EM 87, *see* S-00272
▷Emamin, *in* T-00500
EMB 33 512, *in* B-00233
Embaclox, *in* C-00515
Embadol, *see* T-00205
▷Embamide, *in* I-00199
▷EMBAY 8440, *see* P-00406
▷Embazin, *in* A-00332
▷Embelic acid, *see* D-00356
▷Embelin, *see* D-00356
▷Embequin, *see* D-00364
▷Embichen, *in* D-00193
Embramine, E-00033
Embramine teoclate, *in* E-00033
Embutramide, E-00034
Emcortina, *in* F-00207
▷Emcyt, *in* E-00127
EMD 9806, *in* D-00490
EMD 15700, *see* M-00274
EMD 16923, *see* M-00099
EMD 19698, *in* P-00115
EMD 21657, *see* T-00022
EMD 24946, *see* L-00114
EMD 26644, *see* T-00308
EMD 30087, *see* C-00119
▷EMD 33400, *see* O-00098
EMD 38362, *in* R-00099
EMD 41000, *in* I-00190
Emdabol, *see* T-00205
Emdabolin, *see* T-00205
▷Emdalen, *in* L-00074
▷Emdecassol, *in* T-00485
Emecort, *in* F-00207
Emepronium(1+), E-00035
▷Emepronium bromide, *in* E-00035
▷Emergil, *see* F-00198
▷Emerox 1144, *see* N-00203
▷Emeside, *see* E-00207
Emethibutin, *see* E-00208
Emeticon, *see* B-00102
▷Emetinal, *in* E-00036
Emetine, E-00036
▷Emetine hydrochloride, *in* E-00036
▷Emetival, *in* P-00450
Emetonium(1+), E-00037
Emetonium iodide, *in* E-00037
Emetoplisc, *in* E-00036
Emiglitate, E-00038
Emilium, *see* E-00199
Emilium tosylate, *in* E-00199
Eminase, *see* A-00397
▷Emivan, *see* E-00146
Emizone, *see* M-00392
Emoclot, *see* F-00003
Emopamil, E-00039
▷Emoren, *see* O-00106
▷Emorfazone, E-00040
Emoril, *see* B-00317
▷Emovit, *in* V-00029

Empedopeptin, E-00041
Emphysin, *in* M-00217
EMPP, *in* E-00072
▷Emtryl, *see* D-00435
▷Emtrymix, *see* D-00435
▷Emylcamate, E-00042
EN 1010, *see* P-00595
▷EN 1530, *in* N-00033
EN 1620*A*, *in* N-00031
▷EN 1639*A*, *in* N-00034
EN 1661, *see* B-00232
En 2234*A*, *in* N-00028
EN 313, *see* M-00442
EN-350, *see* T-00264
EN 564, *in* M-00123
EN 970, *see* F-00213
EN 122929, *see* B-00026
EN 145-142, *in* B-00026
▷EN1773-A, *in* M-00423
Enacar, *in* G-00115
▷Enadel, *see* C-00517
Enalapril, *in* E-00043
Enalaprilat, E-00043
Enalapril maleate, *in* E-00043
Enallylpropymal, *see* A-00130
Enapren, *in* E-00043
Enarax, *in* O-00159
Encainide, E-00044
Encainide hydrochloride, *in* E-00044
Encare, *see* N-00206
Encephabol, *in* P-00590
Enciprazine, E-00045
▷Enclomifene, *in* C-00471
▷Enclomiphene, *in* C-00471
▷Encol, *in* E-00036
▷Encyprate, *in* C-00636
▷Endak, *in* C-00102
▷Endep, *in* N-00224
Endiaron, *see* D-00190
Enditrigine, *see* E-00046
Endixaprine, E-00046
Endobenzyline(1+), E-00047
▷Endobil, *see* I-00108
Endocaine, *see* P-00595
Endochin, *see* M-00259
Endogenous Pyrogen, *see* I-00080
▷Endometril, *see* L-00121
Endomide, E-00048
▷Endomirabil, *see* I-00108
β-Endorphin, E-00049
β-Endorphin (human), *in* E-00049
β-Endorphin (sheep), -27-L-tyrosine-31-L-glutamic acid, *in* E-00049
▷Endovalpin, *see* O-00018
Endralazine, E-00050
▷Endralazine mesylate, *in* E-00050
▷Endrin, E-00051
Endrisone, *see* E-00052
Endrysone, E-00052
▷Enduracidin *A*, E-00053
▷Enduron, *see* M-00218
Enefexine, *see* E-00217
Enelone, *in* H-00205
Enerbol, *in* P-00590
▷Energlut, *in* G-00060
Energoserina, *in* P-00220
▷Enerzer, *see* I-00181
Enestebol, *see* D-00331
▷Enfenamic acid, E-00054
▷Enfenemal, *see* E-00206
▷Enflurane, *see* C-00230
▷Enheptin, *see* A-00294
▷Enhexymal, *see* H-00065
Enibomal, *in* P-00482
Eniclobrate, E-00055
▷Enilconazole, *see* I-00025
Enilosperone, E-00056
Enisoprost, E-00057
Enkade, *see* E-00044
Enkaid, *see* E-00044
Enkephalins, E-00058
EN-1661L, *in* B-00232
▷Enocitabine, *in* C-00667
Enolicam, E-00059
Enolicam sodium, *in* E-00059
Enol-Luteovis, *see* Q-00025
▷Enolofos, *see* C-00203
Enoltestovis, *in* H-00154
Enoltestovister, *in* H-00154
▷Enovid, *in* N-00213
Enoxacin, E-00060
Enoxamast, E-00061
Enoxamast olamine, *in* E-00061
Enoximone, E-00062
▷Enoxolone, *see* G-00072
▷Enoxolone hydrogen succinate, *in* G-00072
▷Enphenemal, *see* E-00206
Enpiprazole, E-00063
Enpiroline, E-00064
Enpiroline phosphate, *in* E-00064
Enprazepine, E-00065
Enprofen, *see* M-00286
Enprofylline, *in* X-00002
▷Enpromate, E-00066
Enprostil, E-00067
▷Enradin, *in* E-00053
▷Enramycin, *in* E-00053
Enrofloxacin, E-00068
▷Ensidon, *in* O-00052
▷Enstamine, *in* M-00170
▷ENT 9, *see* B-00416
▷ENT 14250, *see* P-00293
▷ENT 20852, *see* B-00413
▷ENT 24969, *see* C-00203
▷ENT 25540, *see* F-00078
▷ENT 25567, *see* N-00042
▷ENT 25644, *see* F-00015
▷ENT 25705, *see* P-00213
ENT 29,106, *see* N-00148
▷ENT 50852, *see* T-00535
Entamide, *see* D-00372
Enterab, *in* S-00223
▷Enteramida, *see* P-00227
▷Enteramine, *see* H-00218
Enterocid, *see* P-00225
▷Enterocol, *see* H-00182
Enterocura, *see* S-00194
Enterodiol, *see* B-00215
Enteromide, *in* S-00241
▷Enteromycetin, *see* C-00195
▷Enteron, *see* F-00093
Enterosulfocina, *in* S-00172
Enterosulfon, *see* P-00225
▷Enterovioform, *in* C-00244
▷Entexidin, *see* P-00227
▷Entobex, *see* P-00144
Entodon, *in* D-00135
Entoquel, *in* T-00190
Entozyme, *in* P-00010
▷Entprol, *see* E-00012
▷Entramine, *see* A-00294
▷Entronon, *see* P-00144
Entsufon, E-00069
Entsufon sodium, *in* E-00069
Entulic, *in* G-00103
▷Entumine, *see* C-00507
Entusiol, *see* S-00216
Entusul, *see* S-00216
▷ENT 25602-x, *see* C-00572
Envacar, *in* G-00115
▷Enviomycin, *see* T-00569
Enviradene, E-00070

Enviroxime, *in* V-00056
▷Enyper, *see* H-00207
▷Enzacetin, *see* G-00065
▷Enzactin, *see* G-00065
▷Enzaprost *E*, *in* D-00339
▷Enzopride, *see* C-00530
▷EORTC 1502, *see* P-00411
β-EP, *see* E-00049
Epadren, *in* B-00123
Epanolol, E-00071
Eparsolfo-Smit active substance, *in* M-00262
▷Eperisone, E-00072
▷Ephedrine, *in* M-00221
▷ψ-Ephedrine, *in* M-00221
▷Ephedrine hydrochloride, *in* M-00221
Ephedrine sulfate, *in* M-00221
Ephynal, *see* T-00335
Epiajmaline, *in* A-00088
▷Epibloc, *see* C-00278
Epicainide, E-00073
Epicatechin, *in* P-00081
Epicatechol, *in* P-00081
4-Epichelocardin, *in* C-00190
Epicholestanol, *in* C-00305
▷Epicillin, E-00074
Epicoprostanol, *in* C-00305
Epicoprosterol, *in* C-00305
Epicriptine, *in* D-00285
5-Epicyasterone, *in* C-00584
4-epi-2^C-Demethoxytylosin, *in* T-00578
4″-Epi-9-deoxo-9*a*-methyl-9*a*-aza-9*a*-homoerythromycin *A*, *see* A-00528
Epidermal growth factor, E-00075
Epidermal Thermocyte Activating Factor, *see* I-00081
▷Epidermol, *see* D-00117
Epidihydrocholesterin, *in* C-00305
3-epi-Diosgenin, *in* S-00129
9,11-Epidioxy-15-hydroperoxy-5,13-prostadienoic acid, E-00076
9,11-Epidioxy-15-hydroxy-5,13-prostadienoic acid, E-00077
9,11-Epidioxy-15-hydroxy-13-prosten-1-oic acid, E-00078
9,11-Epidithio-15-hydroxy-5,13-prostadienoic acid, E-00079
▷Epidon, *see* D-00117
▷Epidosan, *in* V-00003
Epiestriol, *in* O-00030
▷Epifrin, *see* A-00075
8-Epihelanalin tiglate, *in* H-00024
8-Epihelenalin, *in* H-00024
Epihygromycin, *in* H-00223
α-Epiisocycloheximide, *in* D-00441
Epilin, *in* D-00259
Epimestranol, *in* M-00138
Epimestrol, E-00080
▷Epimicil, *see* E-00074
▷Epimid, *see* M-00294
Epinal, *in* A-00075
▷Epinal, *see* A-00103
Epinastine, *see* A-00242
▷Epinephrine, *see* A-00075
▷Epinephrine bitartrate, *in* A-00075
Epinephrine dipivalate, *see* D-00518
Epinephryl borate, *in* A-00075
Epinine, E-00081
3-Epinitrarine, *in* N-00168
▷Epinoval, *in* D-00251
Epioestriol, *in* O-00030
Epipachysamine *F*, *in* P-00416
Epipachysamine A, *in* P-00416
Epipachysamine C, *in* P-00416
8-Epi-$PGF_{1\alpha}$, *in* T-00484
Epiphenethicillin, *in* P-00152
▷Epipodophyllotoxin, *see* E-00262
▷Epipodophyllotoxin, *in* P-00377
▷Epipropidine, E-00082
Epiquinidine, *in* Q-00027
Epiquinine, *in* Q-00028
▷Epirizole, E-00083
Epiroprim, E-00084
▷Epirubicin, *in* A-00080
3-epi-Ruscogenin, *in* S-00128
▷Episarmentogenin, *in* T-00473
14-Episinomenine, *in* S-00079
▷5-Episisomicin, *see* P-00099
Episol, *see* H-00005
S-Episparsomycin, *in* S-00109
7-epi-Taxol, *in* T-00037
▷Epitestosterone, *in* H-00111
Epitetracycline hydrochloride, *in* T-00109
▷Epithelon, *see* D-00117
Epithiazide, E-00085
2,3-Epithioandrostan-17-ol, E-00086
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087
▷2α,3α-Epithio-17-[(1-methoxycyclopentyl)oxy]androstane, *see* M-00100
Epitiostanol, *see* E-00086
Epitizide, *see* E-00085
Epitopic, *see* D-00273
▷Epitrate, *in* A-00075
Epitulipinolide, *in* H-00134
(−)-16-Epivincamine, *in* V-00033
EPO, *see* E-00117
▷Epocelin, *in* C-00158
▷Epodil, *see* D-00225
▷Epodyl, *see* D-00225
▷Eponate, *see* E-00082
▷Epontal, *see* P-00489
Epoprostenol, *see* P-00528
Epoprostenol sodium, *in* P-00528
▷Eposerin, *in* C-00158
Epostane, E-00088
12,13-Epoxy-12,13-dihydroleucomycin *V* $3,4^B$-dipropanoate, *see* M-00023
4,5-Epoxy-3,17-dihydroxy-4,17-dimethylandrost-2-ene-2-carbonitrile, *see* E-00088
4,5α-Epoxy-3,14-dihydroxy-17-(3-methyl-2-butenyl)-morphinan-6-one, *see* N-00031
4,5α-Epoxy-3,14-dihydroxy-17-methylmorphinan-6-one, *see* O-00155
▷4,5α-Epoxy-3,14-dihydroxy-17-(2-propenyl)morphinan-6-one, *see* N-00033
6,9-Epoxy-11,15-dihydroxy-5,13-prostadienoic acid, *see* P-00528
6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid, E-00089
▷4,5-Epoxy-6,17-dimethylmorphinan-3,6-diol, *see* M-00245
▷21,23-Epoxy-19,24-dinor-17α-chola-1,3,5(10),7,20,22-hexaene-3,17-diol 3-acetate, *see* E-00129
11β,13-Epoxyepitulipinolide, *in* H-00134
▷2,3-Epoxy-2-ethylhexanamide, *see* O-00085
▷4,5α-Epoxy-3-hydroxy-5,17-dimethylmorphinan-6-one, *see* M-00333
▷4,5-Epoxy-3-hydroxy-6-methoxy-α,17-dimethyl-α-propyl-6,14-ethenomorphinan-7-methanol, *see* E-00263
▷4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one, *in* O-00155
4,5-Epoxy-3-hydroxy-6-methoxy-α-methyl-17-(2-propenyl)-α-propyl-6,14-ethenomorphinan-7-methanol, *see* A-00125
▷4,5α-Epoxy-3-hydroxy-17-methylmorphinan-6-one, *see* H-00102
▷4α,5α-Epoxy-17β-hydroxy-3-oxoandrostane-2α-carbonitrile, *see* T-00489
5β,6β-Epoxy-4β-hydroxy-1-oxo-20*S*,22*R*-witha-2,24-dienolide, *in* W-00002
9,10-Epoxy-16-hydroxyverrucarin *A*, *in* V-00023
[[(4,5α-Epoxy-3-methoxy-17-methylmorphinan-6-ylidene)-amino]oxy]acetic acid, *see* C-00527
▷4,5α-Epoxy-17-methylmorphinan-3,6α-diol, *see* D-00294
▷4,5-Epoxy-17-methylmorphinan-3-ol, *see* D-00100
4,5-Epoxy-17-methylmorphinan-3,6,14-triol, *see* H-00101
▷Epoxypropidine, *see* E-00082
(1,2-Epoxypropyl)phosphonic acid, *see* M-00276

8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one, E-00090
12,13-Epoxy-9-trichothecene-3,4,15-triol, *see* A-00386
5,6-Epoxy-4,22,27-trihydroxy-1-oxoergasta-2,24-dien-26-oic acid δ-lactone, *see* W-00002
▷Eprazin, *in* P-00560
Eprazinone, E-00091
Eprovafen, E-00092
Eproxindine, E-00093
▷Eprozinol, E-00094
▷Epsikapron, *see* A-00259
Epsiprantel, E-00095
Epsonite, *in* M-00010
▷Epsyl, *see* P-00310
▷EPT, *see* T-00071
Eptaloprost, E-00096
Eptamestrol, *see* E-00135
Eptastatin sodium, *in* P-00403
Eptazocine, E-00097
▷Equanil, *see* M-00104
▷Equiben, *see* C-00020
▷Equilenin, E-00098
▷Equilibrin, *in* N-00224
▷Equilin, E-00099
▷Equilium, *in* P-00204
▷Equilox, *see* H-00021
Equimate, *see* F-00212
Equine cyonin, *see* S-00053
Equipax, *see* P-00456
▷Equipertine, *see* O-00157
Equipoise, *in* H-00108
Equipose, *in* H-00222
Equiproxen, *see* N-00048
▷Equitac, *see* O-00109
▷Equitensor, *in* D-00033
▷Equitonil, *in* D-00033
▷Equivurm plus, *see* M-00031
▷Equizole, *see* T-00171
▷Eqvalan, *see* I-00225
▷Eraldin, *see* P-00394
▷Erbazid, *in* I-00195
▷Erbocain, *see* F-00241
▷Ercefurol, *see* N-00126
▷Ercoquin, *see* H-00120
▷Ercostrol, *see* M-00164
Erdosteine, E-00100
Eresepine, *see* E-00111
Ergalgin, *see* P-00506
▷Ergamine, *see* H-00077
▷Ergobacin, *in* M-00254
Ergobasine, *see* E-00104
Ergobasinine, *in* E-00104
▷Ergocalciferol, *see* C-00012
Ergocalciferol phosphate, *in* C-00012
▷Ergocornine, E-00101
Ergocorninine, *in* E-00101
Ergocristine, E-00102
Ergocristinine, *in* E-00102
▷Ergocryptine, *see* E-00103
▷α-Ergocryptine, E-00103
α-Ergocryptinine, *in* E-00103
▷Ergokryptine, *see* E-00103
▷Ergomar, *in* E-00106
Ergometrine, E-00104
Ergometrinine, *in* E-00104
▷Ergomolline, *see* E-00103
Ergonovine, *see* E-00104
▷Ergonovine maleate, *in* E-00104
Ergonovinine, *in* E-00104
▷Ergostate, *in* E-00106
Ergosta-5,7,22-trien-3-ol, *see* E-00105
Ergosterin, *see* E-00105
Ergosterol, E-00105
▷Ergosterol (activated), *see* C-00012
Ergostetrine, *see* E-00104
▷Ergotamine, E-00106
▷Ergotamine tartrate, *in* E-00106
Ergotaminine, *in* E-00106
Ergotocin, *see* E-00104
▷Ergotoxine, *in* E-00101
Ergotoxine, *in* E-00102
Ergotrate, *see* E-00104
▷Ergotyl, *in* M-00254
Ericin, *in* H-00112
Ericolol, E-00107
▷Erimin, *see* N-00147
Erimunol, *see* N-00226
Eriolangin, E-00108
Eriolanin, E-00109
Erisan-TC, *see* C-00458
Eritadenine, E-00110
Erityl tetranitrate, *in* E-00114
Erizepine, E-00111
▷Erketin, *in* E-00036
▷Ermalone-Amp., *in* H-00109
▷Ermetrine, *in* E-00104
Erocainide, E-00112
Ertron, *see* E-00105
▷Erysan, *see* B-00198
Eryscenoside, *in* T-00478
▷Erysimine, *in* T-00478
▷Erysimoside, *in* T-00478
▷Erysimosol, *in* T-00478
▷Erysimotoxin, *in* T-00478
Erythrinan, E-00113
▷Erythritol, E-00114
Erythrityl tetranitrate, *in* E-00114
▷Erythrocin, *see* E-00115
Erythrol tetranitrate, *in* E-00114
Erythromix *V*, *in* E-00115
▷Erythromycin, E-00115
▷Erythromycin *B*, E-00116
Erythromycin acetate, *in* E-00115
Erythromycin acistrate, *in* E-00115
▷Erythromycin estolate, *in* E-00115
▷Erythromycin ethylsuccinate, *in* E-00115
▷Erythromycin gluceptate, *in* E-00115
▷Erythromycin glucoheptonate, *in* E-00115
▷Erythromycin lactobionate, *in* E-00115
Erythromycin 9-[*O*-[(2-methoxyethoxy)methyl]oxime], *see* R-00100
Erythromycin propionate, *in* E-00115
▷Erythromycin stearate, *in* E-00115
Erythropoietin, E-00117
▷Erythrosine, E-00118
ES 304, *see* N-00098
▷ES 771, *see* P-00254
ES 902, *in* P-00254
Esafloxacin, E-00119
Esaprazole, E-00120
Esbetre, *in* S-00190
Escalol 507, *in* D-00405
Escholerine, *in* P-00543
▷Escin, *in* O-00036
▷Escopolamina, *see* S-00031
▷Escorpal, *see* P-00150
EsCort, *see* P-00410
Esculamine, E-00121
Esefil, *in* R-00009
Eseridine, *see* G-00016
▷Eserine, E-00122
Eserine aminoxide, *see* G-00016
Eserine oxide, *see* G-00016
▷Eserocil, *in* E-00122
▷Esfar, *in* B-00341
Esflurbiprofen, *in* F-00218
▷Esiclene, *see* F-00245
Esiodine, *in* D-00135
▷Eskacef, *see* C-00180
▷Eskacillin V, *see* P-00171
▷Eskadiazine, *see* S-00237
▷Eskalin V, *in* O-00068

▷Eskalith, *see* L-00058
▷Eskamicin, *in* O-00068
Eskulamin, *see* E-00121
Esmodil, *in* M-00216
Esmolol, E-00123
Esmolol hydrochloride, *in* E-00123
Esmopal, *in* O-00028
▷Esocalm, *see* D-00557
▷Esophotrast, *see* B-00014
▷Esorubicin, *in* A-00080
Espasmo-Gemora, *in* B-00396
▷Espaston, *in* D-00480
▷Esperan, *in* O-00089
▷Esperson, *see* D-00102
▷Espinomycin A_1, *see* P-00371
▷Espiran, *in* F-00076
Espirosal, *in* H-00112
Esproquine, E-00124
▷Esproquin hydrochloride, *in* E-00124
▷Esquinon, *see* C-00063
▷Esromistin, *in* E-00122
▷Estar, *in* B-00341
Estate, E-00125
Estazol, *see* S-00139
▷Estazolam, E-00126
Estilbin MCO, *see* D-00257
Estimulocel, *in* B-00083
▷Estinyl, *see* E-00231
Estocin, *see* D-00380
▷Eston, *in* E-00231
Estopen, *in* P-00061
▷Estracyt, *in* E-00127
▷Estradep, *in* O-00028
Estradiol, *see* O-00028
▷Estradiol benzoate, *in* O-00028
Estradiol 3-[bis(2-chloroethyl)carbamate]ester, *see* E-00127
Estradiol butyrylacetate, *in* O-00028
▷Estradiol cypionate, *in* O-00028
Estradiol dienanthate, *in* O-00028
▷Estradiol dipropionate, *in* O-00028
Estradiol diundecylate, *in* O-00028
Estradiol diundecylenate, *in* O-00028
Estradiol enanthate, *in* O-00028
Estradiol furoate, *in* O-00028
Estradiol hemisuccinate, *in* O-00028
Estradiol hexahydrobenzoate, *in* O-00028
Estradiol monopropionate, *in* O-00028
▷Estradiol mustard, *in* O-00028
Estradiol palmitate, *in* O-00028
Estradiol pivalate, *in* O-00028
Estradiol *p*-propoxyhydrocinnamate, *in* O-00028
Estradiol propoxyphenylpropionate, *in* O-00028
Estradiol stearate, *in* O-00028
Estradiol trimethylacetate, *in* O-00028
Estradiol undecylate, *in* O-00028
▷Estradiol valerate, *in* O-00028
Estramustine, E-00127
▷Estramustine phosphate, *in* E-00127
Estrapronicate, *in* O-00028
Estra-1,3,5(10)-triene-3,17β-diol 3-[bis(2-chloroethyl)-carbamate] ester, *see* E-00127
Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), *in* O-00028
▷Estraval, *in* O-00028
Estrazinol, E-00128
Estrazinol hydrobromide, *in* E-00128
4-Estrene-3,17-diol, *see* O-00029
Estrex, *in* D-00054
Estriel, *in* O-00030
▷Estriol, *see* O-00030
Estriol acetate benzoate, JAN, *in* O-00030
Estriol succinate, *in* O-00030
Estriol tripropionate, *in* O-00030
▷Estrofurate, E-00129
Estrolent, *in* O-00028
Estromon, *see* D-00257
▷Estrone, *see* O-00031
Estrone acetate, *in* O-00031
Estrone cyanate, *in* O-00031
Estrone tetraacetylglucoside, *in* O-00031
Estropipate, *in* O-00031
Estrotate, *in* O-00028
▷Estrovis, *in* E-00231
▷Estrovister, *in* E-00231
Estrumate, *in* C-00490
Estulic, *in* G-00103
▷Esucos, *see* D-00557
Esuprone, E-00130
Esyntin, *in* E-00037
▷ET 495, *see* P-00324
▷Etabenzarone, E-00131
Etacepride, E-00132
Etacort, *in* C-00548
Etacortin, *in* F-00207
Etacortisone, *in* C-00548
▷Etacrynic acid, *see* E-00145
Etadrol, *see* F-00208
ETAF, *see* I-00080
Etafedrine, E-00133
Etafedrine hydrochloride, *in* E-00133
Etafenone, E-00134
Etafurazone, *see* N-00131
▷Etambutol, *in* E-00148
Etamestrol, E-00135
▷Etamfetamine, *in* P-00202
Etamicycline, *see* E-00138
Etamid, *see* E-00152
Etaminile, E-00136
▷Etamiphyllin, *in* D-00332
▷Etamiphylline, E-00137
Etamiphylline camsylate, *in* E-00137
▷Etamivan, *see* E-00146
Etamocycline, E-00138
▷Etamon chloride, *in* T-00111
▷Etamsylate, *in* D-00313
▷Etamycin *A*, *see* V-00055
▷Etanidazole, E-00139
Etanor, *see* E-00212
Etaphylline, *in* A-00011
Etapromide, *see* P-00499
▷Etaqualone, E-00140
Etasuline, E-00141
Etazepine, E-00142
Etazolate, E-00143
Etazolate hydrochloride, *in* E-00143
Etazole hydrochloride, *in* E-00143
Etebenecid, *see* E-00152
▷Etenzamide, *in* H-00112
▷Eterilate, *see* E-00144
▷Eterobarb, *in* E-00218
▷Etersalate, E-00144
Ethacridine, *see* D-00130
▷Ethacrynic acid, E-00145
Ethallobarbital, *see* A-00129
Ethallymal, *see* A-00129
▷Ethambutol, *in* E-00148
▷Ethambutol hydrochloride, *in* E-00148
Ethambutol methaniazide, *in* E-00148
Ethamicort, *in* C-00548
▷Ethamide, *see* E-00162
▷Ethamivan, E-00146
▷Ethamsylate, *in* D-00313
▷*N*,*N*′-1,2-Ethanediylbis[*N*-(carboxymethyl)]glycine, *see* E-00186
▷[1,2-Ethanediylbis(imino-4,1-phenylene)]bisarsonic acid, E-00147
N,*N*′-[1,2-Ethanediylbis[(methylamino)methylene]]bis[4-(dimethylamino)-1,4,4*a*,5,5*a*,6,11,12*a*-octahydro-3,6,10,12,12*a*-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide, *see* E-00138
1,2-Ethanediylbis[(methylimino)(2-ethyl-2,1-ethanediyl)] 3,4,5-trimethoxybenzoate, *see* B-00409

▷4,4′-[1,2-Ethanediyl)bis[1-(4-morpholinylmethyl)-2,6-piperazinedione, *see* B-00166
N,*N*′-1,2-Ethanediylbis[3-nitrobenzenesulfonamide], *see* D-00469
4,4′-[1,2-Ethanediylbis(oxy)]bis[*N*-hexyl-*N*-methylbenzenemethanamine], *see* S-00284
1,2-Ethanediyl bis(phenylmethyl)carbonimidodithioate, *see* Z-00014
2,2′-(1,2-Ethanediyldiimino)bis(1-butanol), E-00148
▷1,1′,1″,1‴-(1,2-Ethanediyldinitrilo)tetrakis-2-propanol, *see* E-00012
Ethanesulfonic acid 3,4-dimethyl-2-oxo-2*H*-1-benzopyran-7-yl ester, *see* E-00130
Ethanethioic acid *S*-[2-[2-[(2-methoxyphenoxy)methyl]-3-thiazolidinyl]-2-oxoethyl]ester, *see* G-00096
1-(9,10-Ethanoanthracen-9(10*H*)-yl)-4-methylpiperazine, *see* T-00403
▷Ethanoic acid, *see* A-00021
▷Ethanol, E-00149
▷Ethanolamine, *see* A-00253
▷Ethaphene, *see* S-00286
Ethasol, *see* S-00239
▷Ethaverine, E-00150
▷Ethchlorovynol, *see* E-00151
▷Ethchlorvynol, E-00151
Ethebenecid, E-00152
Ethenesulfonic acid, *see* V-00047
▷α-Ethenyl-1-aziridineethanol, *see* A-00527
16-Ethenyl-11,16-dihydroxy-9-oxoprosta-5,13-dien-1-oic acid methyl ester, *see* V-00051
4-(3-Ethenyl-3,6-dimethyl-1-methylene-5-heptenyl)phenol, *see* D-00617
4-(3-Ethenyl-3,7-dimethyl-1,6-octadienyl)phenol, *see* B-00006
5-Ethenyl-5-(1-methylbutyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* V-00046
4-[2-(Ethenyl-5-nitro-1*H*-imidazol-2-yl)ethenyl]benzoic acid, *see* S-00156
3-(3-Ethenyl-4-piperidinyl)-1-(6-methoxy-4-quinolinyl)-1-propanone, *see* Q-00026
4-[3-(3-Ethenyl-4-piperidinyl)propyl]-6-methoxy]quinoline, *see* V-00053
3-(3-Ethenyl-4-piperidinyl)-1-(4-quinolinyl)-1-propanone, *in* Q-00026
▷1-Ethenyl-2-pyrrolidinone homopolymer, *see* P-00393
▷Ethenzamide, *in* H-00112
▷Ether, *see* D-00246
Ethiazide, E-00153
Ethiazone, *see* S-00170
Ethicetazone, *see* S-00170
▷Ethidium, *see* D-00132
▷Ethidium bromide, *in* D-00132
▷Ethinamate, E-00154
▷Ethinazone, *see* E-00140
▷Ethinylestradiol, *see* E-00231
▷Ethinyloestradiol, *see* E-00231
▷Ethiodan, *see* I-00127
▷Ethiofos, E-00155
▷Ethionamide, *see* E-00220
▷Ethisterone, E-00156
Ethizone, *see* S-00170
▷Ethmozine, *in* M-00442
▷Ethnodiol, *see* E-00227
▷Ethobrome, *see* T-00428
▷Ethocaine, *in* P-00447
Ethofenprox, *see* E-00249
▷Ethofuridione, *see* B-00085
Ethogesic, *in* E-00157
▷Ethoglucid, *see* D-00225
▷Ethoheptazine, E-00157
▷Ethomoxane, E-00158
Ethonam, E-00159
Ethonamidate, *see* E-00159
Ethonam nitrate, *in* E-00159
Ethopabate, *in* A-00264
▷Ethopropazine, E-00160
Ethopropazine hydrochloride, *in* E-00160
Ethosalamide, *see* E-00164
▷Ethosuccimide, *see* E-00207
▷Ethosuximide, *see* E-00207
▷Ethotoin, *see* E-00214
Ethotrimeprazine, *see* E-00266
▷Ethoxazene, *see* D-00131
Ethoxazene hydrochloride, *in* D-00131
Ethoxazorutin, *in* R-00106
Ethoxazorutoside, *in* R-00106
▷Ethoxene, *see* A-00527
2-Ethoxyacetic acid 5-methyl-2-(1-methylethyl)cyclohexyl ester, *see* M-00090
2-Ethoxyacetophenone, *in* H-00107
7-Ethoxy-3,9-acridinediamine, *see* D-00130
▷4-Ethoxyaniline, E-00161
▷2-Ethoxybenzamide, *in* H-00112
▷4-Ethoxybenzenamine, *see* E-00161
2-Ethoxybenzoic acid, *in* H-00112
4-Ethoxybenzoic acid, *in* H-00113
▷*o*-Ethoxybenzoic acid (1-carboxyethylidene)hydrazide, *see* R-00107
7-Ethoxy-2*H*-1-benzopyran-2-one, *in* H-00114
▷6-Ethoxy-2-benzothiazolesulfonamide, E-00162
α-[(6-Ethoxy-2-benzothiazolyl)thio]-α-methylbenzeneacetic acid, *see* T-00040
2-[(6-Ethoxy-2-benzothiazolyl)thio]-2-phenylpropionic acid, *see* T-00040
▷Ethoxybutamoxane, *see* E-00158
▷1-Ethoxycarbonyl-2,3-dihydro-3-methyl-2-thioimidazole, *see* C-00051
1-(6-Ethoxycarbonylhexyl)-4-(*o*-methoxyphenyl)piperazine, *see* E-00201
4-Ethoxycarbonyl-1-(2-hydroxyethoxyethyl)-4-phenylpiperidine, *see* E-00265
▷7-(Ethoxycarbonylmethoxy)flavone, *see* E-00019
▷*N*-(Ethoxycarbonyl)-3-(4-morpholinyl)sydnone imine, *see* M-00425
17-[(Ethoxycarbonyl)oxy]-11β-hydroxy-21-(1-oxopropoxy)-pregna-1,4-diene-3,20-dione, *see* P-00410
9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-*a*][1,2]diazepine-1-carboxylic acid, *in* C-00343
2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-2-azabicyclo[2.2.2]octane-3-carboxylic acid, *see* Z-00001
7-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,4-dithia-7-azaspiro[4.4]nonane-8-carboxylic acid, *in* S-00118
3-[2-[[1-(Ethoxycarbonyl)-3-phenyl]propyl]amino]-1-oxopropyl]-1-methyl-2-oxo-4-imidazolidinecarboxylic acid, *see* I-00029
1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *in* R-00008
1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-octahydro-1*H*-indole-2-carboxylic acid, *see* I-00063
2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-6,7-dimethoxy-3-isoquinolinecarboxylic acid, *see* M-00419
2-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]-1,2,3,4-tetrahydro-3-isoquinolinecarboxylic acid, *in* Q-00012
3-(Ethoxycarbonyl)-6,7,8,9-tetrahydro-1,6-dimethyl-4-oxo-4*H*-pyrido[1,2-*a*]pyrimidinium, *see* R-00055
3-(Ethoxycarbonyl)-6,7,8,9-tetrahydro-6-methyl-4-oxo-4*H*-pyrido[1,2-*a*]pyrimidine-9-acetic acid, *see* A-00040
3-Ethoxycarbonylthioacetyl-2-(*o*-methoxyphenoxy)methyl-thiazolidine, *see* G-00096
3β-Ethoxy-5-cholestene, *in* C-00306
▷*p*-Ethoxychrysoidine, *see* D-00131
▷Ethoxyd, *in* B-00222
▷6′-Ethoxy-10,11-dihydrocinchonan-9-ol, E-00163
11-Ethoxy-5,11-dihydro-5-methyl-6*H*-dibenz[*b*,*e*]azepin-6-one, *see* E-00142

▷3-Ethoxy-1,1-dihydroxy-2-butanone, *in* E-00168
▷Ethoxyethene, *see* E-00225
2-(2-Ethoxyethoxy)benzamide, E-00164
▷2,2′-[1-(1-Ethoxyethyl)-1,2-ethanediylidene]-bishydrazinecarbothioamide, *see* G-00050
1-(2-Ethoxyethyl)-2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-1*H*-benzimidazole, *see* E-00166
2-Ethoxyethyl *p*-methoxycinnamate, *see* C-00378
2-Ethoxyethyl 3-(4-methoxyphenyl)-2-propenoate, *see* C-00378
1-(2-Ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)-benzimidazole, E-00166
8-(2-Ethoxyethyl)-7-phenyl[1,2,4]triazolo[1,5-*c*]pyrimidin-5-amine, *see* B-00033
▷3-Ethoxy-4-hydroxybenzaldehyde, *in* D-00311
7-[2-(5-Ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl)-3-hydroxy-5-oxocyclopentyl]-5-heptenoic acid, *see* D-00462
7-[2-(5-Ethoxy-3-hydroxy-4,4-dimethyl-1-pentenyl)-5-oxo-3-cyclopenten-1-yl]-5-heptenoic acid, *see* P-00074
4-Ethoxy-2-hydroxy-*N*,*N*,*N*-trimethyl-4-oxo-1-butanaminium, *in* C-00084
1-Ethoxy-3-methoxybenzene, *in* B-00073
1-Ethoxy-4-methoxybenzene, *in* B-00074
▷1-(4-Ethoxy-3-methoxybenzyl)-6,7-dimethoxy-3-methylisoquinoline, *see* D-00463
7-(Ethoxymethyl)-3,7-dihydro-1-(5-hydroxy-5-methylhexyl)-3-methyl-1*H*-purine-2,6-dione, *see* T-00387
2-Ethoxy-*N*-[4-[[(5-methyl-3-isoxazolyl)amino]sulfonyl]-phenyl]acetamide, *see* S-00186
2-Ethoxy-4′-[(5-methyl-3-isoxazolyl)sulfamoyl]acetanilide, *see* S-00186
α-Ethoxy-*N*-methyl-*N*-[2-[methyl(2-phenylethyl)amino]ethyl]-α-phenylbenzeneacetamide, *see* C-00053
▷4-Ethoxy-2-methyl-5-(4-morpholinyl)-3(2*H*)-pyridazinone, *see* E-00040
4-[[[[5-(6-Ethoxy-3-methyl-6-oxo-2-hexenyl)-1,3-dihydro-6-methoxy-7-methyl-3-oxo-4-isobenzofuranyl]oxy]carbonyl]-amino]benzoic acid, *see* E-00178
1-Ethoxy-2-methylpropane, E-00167
Ethoxymethyl(trimethyl)ammonium iodide, *in* H-00177
6-(2-Ethoxy-1-naphthamido)penicillanic acid, *see* N-00012
2-Ethoxy-1-naphthylpenicillin, *see* N-00012
▷3-Ethoxy-2-oxobutanal, E-00168
▷3-Ethoxy-2-oxobutyraldehyde, *see* E-00168
▷3-Ethoxy-2-oxobutyraldehyde bisthiosemicarbazone, *see* G-00050
3-[4-(β-Ethoxyphenethyl)-1-piperazinyl]-2-methylpropiophenone, *see* E-00091
4-Ethoxyphenol, *in* B-00074
m-Ethoxyphenol, *in* B-00073
▷2-[(2-Ethoxyphenoxy)methyl]morpholine, *see* V-00029
2-[(2-Ethoxyphenoxy)phenyl]methyl]morpholine, *see* R-00018
▷3-(2-Ethoxyphenoxy)-1,2-propanediol, *see* G-00093
▷*N*-(4-Ethoxyphenyl)acetamide, *in* E-00161
2-[(4-Ethoxyphenyl)amino]-*N*-propylpropanamide, *see* P-00499
▷4-[(4-Ethoxyphenyl)azo]-1,3-benzenediamine, *see* D-00131
▷4-[(*p*-Ethoxyphenyl)azo]-*m*-phenylenediamine, *see* D-00131
α-Ethoxy-α-phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester, *see* D-00380
▷2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]triazolo[5,1-*a*]-isoquinoline, E-00169
▷4-Ethoxy-7-phenyl-3,5-dioxa-8-aza-4-phosphaoct-6-ene-8-nitrile 4-sulfide, *see* P-00221
2-Ethoxy-1-phenylethanone, *in* H-00107
3-[4-(2-Ethoxy-2-phenylethyl)-1-piperazinyl]-2-methyl-1-phenyl-1-propanone, *see* E-00091
N-(4-Ethoxyphenyl)-2-hydroxyacetamide, *in* E-00161
N-(4-Ethoxyphenyl)-2-hydroxybenzamide, E-00170
▷*N*-(4-Ethoxyphenyl)-3-hydroxybutanamide, *see* B-00335
N-(4-Ethoxyphenyl)-2-hydroxypropanamide, *in* H-00207
2-[(4-Ethoxyphenyl)methyl]-*N*,*N*-dimethyl-5-nitro-1*H*-benzimidazole-1-ethanamine, *see* E-00260
1-[[2-(4-Ethoxyphenyl)-2-methylpropoxy]methyl]-3-phenoxybenzene, *see* E-00249
p-[(α-Ethoxy-*p*-phenylphenacyl)amino]benzoic acid, *see* X-00008
6-[3-[4-(2-Ethoxyphenyl)-1-piperazinyl]propoxy]-3,4-dihydro-2(1*H*)-quinolinone, *see* S-00039
3-Ethoxypyridine, *in* H-00209
8-Ethoxyquinoline, *in* H-00211
8-Ethoxy-5-quinolinesulfonic acid, E-00171
Ethoxysclerol, *see* P-00380
N^1-(4-Ethoxy-1,2,5-thiadiazol-3-yl)sulfanilamide, *see* S-00213
▷6-Ethoxythiazolesulfonamide, *see* E-00162
Ethoxyurea, *in* H-00220
▷Ethoxzolamide, *see* E-00162
▷Ethrane, *see* C-00230
▷Ethrisin, *see* A-00033
▷Ethybenztropine, E-00172
Ethychlordiphene, *see* E-00247
▷*N*-Ethylacetamide, E-00173
3-(*N*-Ethylacetamido)-2,4,6-triiodohydrocinnamic acid, *see* I-00130
▷2-[2-[3-(*N*-Ethylacetamido)-2,4,6-triiodophenoxy]ethoxy]-propionic acid, *see* I-00119
O-Ethyl acetylcarbamothioate, *in* T-00196
S-Ethyl acetylcarbamothioate, *in* T-00196
Ethyl α-acetyl-1-methyl-5-nitroimidazole-2-acrylate, *see* P-00494
O-Ethyl acetylthiocarbamate, *in* T-00196
▷Ethylal, *in* F-00244
▷Ethyl alcohol, *see* E-00149
▷Ethylaminesulfonic acid, *see* T-00030
3-(Ethylamino)-1,2-benzisothiazole, *in* A-00214
▷Ethyl 2-amino-6-benzyl-4,5,6,7-tetrahydrothieno[2,3-*c*]-pyridine-3-carboxylate, *see* T-00296
2-Ethylamino-1-(3,4-dihydroxyphenyl)-1-propanol, *see* D-00476
Ethyl 2-amino-3-[(diphenoxyphosphinyl)oxy]propanoate, *in* P-00220
▷2-Ethylaminoethanol, *in* A-00253
α-[1-(Ethylamino)ethyl]-3,4-dihydroxybenzyl alcohol, *see* D-00476
α-(1-Ethylaminoethyl)protocatechuyl alcohol, *see* D-00476
Ethyl 2-amino-6-(4-fluorobenzylamino)-3-pyridylcarbamate, *see* F-00204
▷Ethyl aminoformate, *see* E-00177
4-[2-(Ethylamino)-1-hydroxypropyl]-1,2-benzenediol, *see* D-00476
Ethyl 4-[[5-[(aminoiminomethyl)amino]-1-oxohexyl]oxy]-benzoate, *see* G-00001
4-[(Ethylamino)methyl]-2-methyl-5-[(methylthio)methyl]-3-pyridinol, *see* T-00022
▷2-Ethylamino-4-oxo-5-phenyl-2-oxazoline, *see* E-00174
▷Ethyl 1,4′-aminophenethyl-4-phenylisonipecotate, *see* A-00390
▷2-Ethylamino-3-phenylbicyclo[2.2.1]heptane, *see* F-00038
▷2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, E-00174
2-Ethylamino-2-(2-thienyl)cyclohexanone, *see* T-00272
O-Ethyl aminothioformate, *in* T-00196
S-Ethyl aminothioformate, *in* T-00196
▷2-Ethylamino-1-(3-trifluoromethylphenyl)propane, *see* F-00050
▷Ethyl apovincamin-22-oate, *see* V-00042
▷α-Ethylbenzeneacetic acid 2-(3-methyl-2-phenyl-4-morpholinyl)-ethyl ester, *see* P-00149
▷Ethyl 1*H*-benzimidazol-2-ylcarbamate, *see* L-00065
▷Ethyl benzoate, *in* B-00092
▷(2-Ethyl-3-benzofuranyl)(4-hydroxy-3,5-diidophenyl)methanone, *see* B-00085
▷2-Ethyl-3-benzofuranyl *p*-hydroxyphenyl ketone, *see* B-00071
▷(2-Ethyl-3-benzofuranyl)(4-hydroxyphenyl)methanone, *see* B-00071
2-[(2-Ethyl-3-benzofuranyl)methyl]-4,5-dihydro-1*H*-imidazole, *see* C-00556
Ethyl (3-benzoylphenyl)[(trifluoromethyl)sulfonyl]carbamate, *see* T-00461
Ethyl *m*-benzoyl-*N*-[(trifluoromethyl)sulfonyl]carbanilate, *see* T-00461

3-(α-Ethylbenzyl)-4-hydroxycoumarin, *see* P-00174
Ethyl 1-(2-benzyloxyethyl)-4-phenyl-4-piperidine-4-carboxylate, *see* B-00078
▷α-Ethyl-[1,1′-biphenyl]-4-acetic acid, *see* B-00179
▷Ethyl [bis(1-aziridinyl)phosphinyl]carbamate, *see* U-00012
Ethyl 5,6-bis-*O*-(4-chlorobenzyl)-3-*O*-propyl glucoside, E-00175
▷Ethyl biscoumacetate, *in* B-00219
▷Ethyl 6,7-bis(cyclopropylmethoxy)-1,4-dihydro-4-oxo-3-quinolinecarboxylate, *see* C-00650
Ethyl [bis(2,2-dimethyl-1-aziridinyl)phosphinyl]carbamate, *see* M-00345
3-Ethyl-2,4-bis(4-hydroxyphenyl)hexane, *see* B-00077
▷5-Ethyl-1,3-bis(methoxymethyl)-5-phenylbarbituric acid, *in* E-00218
▷5-Ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *in* E-00218
1-Ethyl-2,6-bis(*p*-1-pyrrolidinylstyryl)pyridinium, *see* S-00152
▷Ethyl butex, *in* H-00113
α-(2-Ethylbutoxy)-α-phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester, *see* D-00071
Ethyl 4-(butylamino)-1-ethyl-6-methyl-1*H*-pyrazolo[3,4-*b*]-pyridine-5-carboxylate, *see* T-00393
Ethyl 4-(butylamino)-1-ethyl-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxylate, *see* C-00101
▷Ethyl 1-butylaminoformate, *see* E-00176
▷Ethyl butylcarbamate, E-00176
▷Ethyl carbamate, E-00177
O-Ethyl carbamothioate, *in* T-00196
S-Ethyl carbamothioate, *in* T-00196
▷Ethylcarbamylhydroxylamine, *see* E-00196
Ethyl 2-[2-[(carboxymethyl)thio]ethyl]-4-thiazolidinecarboxylate, *see* L-00028
Ethyl *O*-[*N*-(*p*-carboxyphenyl)carbamoyl]mycophenolate, E-00178
Ethyl carfluzepate, E-00179
Ethyl cartrizoate, E-00180
▷Ethyl chemosept, *in* H-00113
▷Ethyl chloride, *see* C-00236
Ethyl 7-chloro-5-(*o*-chlorophenyl)-2,3-dihydro-2-oxo-1*H*-1,4-benzodiazepine-3-carboxylate, *see* E-00185
Ethyl 4-(8-chloro-5,6-dihydro-11*H*-benzo[5,6]-cyclohepta[1,2-*b*]pyridin-11-ylidene)-1-piperidinecarboxylate, *see* L-00092
Ethyl (*p*-chloro-α,α-dimethylphenethyl)carbamate, *see* C-00462
Ethyl 7-chloro-5-(*o*-fluorophenyl)-2,3-dihydro-2-oxo-1*H*-1,4-benzodiazepine-3-carboxylate, *see* E-00197
Ethyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456
Ethyl [2-(4-chlorophenyl)-1,1-dimethylethyl]carbamate, *see* C-00462
Ethyl 7-chloro-2,3,4,5-tetrahydro-4-oxo-5-phenyl-1*H*-1,5-benzodiazepine-1-carboxylate, *see* A-00439
Ethyl cinepazate maleate, *in* C-00362
2-(*N*-Ethylcrotonamido)-*N*,*N*-dimethylbutyramide, *see* C-00569
▷*N*-Ethyl-*o*-crotonotoluidide, *see* C-00567
(α-Ethylcrotonyl)carbamide, *see* E-00011
2-Ethylcrotonylurea, *see* E-00011
α-Ethylcyclohexanemethanol carbamate, *see* P-00456
6-Ethyl-1,2,3,3*a*,4,5,8,9,9*a*,9*b*-decahydro-3-hydroxy-3*a*-methyl-7*H*-benz[*e*]inden-7-one, *see* I-00072
Ethyl 6-decyloxy-7-ethoxy-4-hydroxy-3-quinolinecarboxylate, *see* D-00041
Ethyl dehydrocholate, *in* D-00049
Ethyl (3,5-diacetamido-2,4,6-triiodobenzoyloxy)acetate, *see* E-00180
Ethyl [2,4-dibromo-6-[(cyclohexylmethylamino)methyl]-phenoxy] acetate, *see* O-00073
Ethyl[[4,6-dibromo-α-(cyclohexylmethylamino)-*o*-tolyl]oxy] acetate, *see* O-00073
Ethyl dibunate, *in* D-00173
N-Ethyl-2-(3,5-dichloro-6-hydroxy-2-methoxy-benzamidomethyl)pyrrolidine, *see* R-00002
Ethyl [[[2-(2,4-dichlorophenyl)-2-(imidazo-1-ylmethyl)-1,3-dioxolan-4-yl]methyl]thio]carbanilate, *see* T-00572
▷Ethyl dicoumarol, *in* B-00219
Ethyl 2-(diethoxyphosphinyl)oxybenzoate, *in* P-00217
▷Ethyl *N*-[2-(diethylamino)ethyl]-2-ethyl-2-phenylmalonamate, *see* F-00033
1-Ethyl-6,8-difluoro-1,4-dihydro-7-(3-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, *see* L-00078
▷2-Ethyl-2,3-dihydro-5-benzofuranacetic acid, *see* F-00295
2-(2-Ethyl-2,3-dihydro-2-benzofuranyl)-4,5-dihydro-1*H*-imidazole, *see* E-00017
Ethyl 1,4-dihydro-7,8-dimethoxy-4-oxopyrimido[4,5-*b*]-quinoline-2-carboxylate, *see* P-00347
9-Ethyl-6,9-dihydro-4,6-dioxo-10-propyl-4*H*-pyrano[3,2-*g*]-quinoline-2,8-dicarboxylic acid, *see* N-00060
▷Ethyl 3,4-dihydro-1-(hydroxymethyl)-5,7-dimethyl-4-oxo-6-phthalazinecarboxylate, *see* O-00078
4-(2-Ethyl-2,3-dihydro-1*H*-inden-2-yl)-1*H*-imidazole, *see* A-00469
▷5-Ethyldihydro-5-(1-methylbutyl)-2-thioxo-4,6(1*H*,5*H*)-pyrimidinedione, *see* T-00206
▷3-Ethyl-6,7-dihydro-2-methyl-5-(morpholinomethyl)indol-4(5*H*)-one, *see* M-00423
▷1-Ethyl-1,4-dihydro-7-methyl-4-oxo-1,8-naphthyridine-3-carboxylic acid, *see* N-00029
1-Ethyl-4,6-dihydro-3-methyl-8-phenylpyrazolo[4,3-*e*][1,4]-diazepin-5(1*H*)-one, *see* R-00062
4-Ethyl-1,2-dihydro-2-(1-methyl-4-piperidinyl)-5-phenyl-3*H*-pyrazol-3-one, *see* P-00296
▷1-Ethyl-1,4-dihydro-4-oxo[1,3]dioxolo[4,5-*g*]cinnoline-3-carboxylic acid, *see* C-00377
▷5-Ethyl-5,8-dihydro-8-oxo-1,3-dioxolo[4.5-*g*]quinoline-7-carboxylic acid, *see* O-00131
▷8-Ethyl-5,8-dihydro-5-oxo-2-(1-piperazinyl)pyrido[2,3-*d*]-pyrimidine-6-carboxylic acid, *see* P-00278
1-Ethyl-1,4-dihydro-4-oxo-7-(4-pyridinyl)-3-quinolinecarboxylic acid, *see* A-00051
N′-(1-Ethyl-1,2-dihydro-2-oxo-4-pyrimidinyl)sulfanilamide, *see* S-00191
▷8-Ethyl-5,8-dihydro-5-oxo-2-(1-pyrrolidinyl)pyrido[2,3-*d*]-pyrimidine-6-carboxylic acid, *see* P-00349
N-[1-[2-(4-Ethyl-4,5-dihydro-5-oxo-1*H*-tetrazol-1-yl)ethyl]-4-(methoxymethyl)-4-piperidinyl]-*N*-phenylpropanamide, *see* A-00111
4-Ethyl-3,4-dihydro-4-phenyl-1(2*H*)-isoquinolinethione, *see* T-00325
▷5-Ethyldihydro-5-phenyl-4,6(1*H*,5*H*)-pyrimidinedione, *see* P-00436
4-Ethyl-3,4-dihydro-4-phenylthioisocarbostyril, *see* T-00325
▷2-Ethyl-2,3-dihydro-3-[[4-[2-(1-piperidinyl)ethoxy]phenyl]-amino]-1*H*-isoindol-1-one, *see* E-00258
4-Ethyl-1,3-dihydro-5-(4-pyridinylcarbonyl)-2*H*-imidazol-2-one, *see* P-00353
▷21-Ethyl-1,15-dihydroxy-4-methyl-16-methylene-7,20-cycloveatchan-12-one, *see* S-00100
N-Ethyl-3,4-dihydroxynorephedrine, *see* D-00476
Ethyl dihydroxyphosphinylacetate, *in* P-00215
Ethyl (dihydroxyphosphinyl)formate, *in* P-00216
α-Ethyl-2,5-dimethoxy-4-methylbenzeneethanamine, *see* D-00461
3-Ethyl-6,7-dimethoxy-1-(phenylmethyl)isoquinoline, *see* M-00461
Ethyl 5,6-dimethoxy-3-[2-(4-phenyl-1-piperazinyl)ethyl]-1*H*-indole-2-carboxylate, *see* A-00146
4-Ethyl-6,7-dimethoxyquinazoline, E-00181
1-Ethyl-3-(3′-dimethylaminopropyl)-3-(6′-allylergoline-8′-carbonyl)urea, *see* C-00002
α-Ethyl-2,5-dimethylbenzhydrol, *see* E-00183
O-Ethyl dimethylcarbamothioate, *in* T-00196
N-Ethyl-*N*,*N*-dimethylcona-4,6-dien-3-aminium, *see* S-00146
N-Ethyl-*N*,*N*-dimethyl-1-hexadecanaminium, E-00182
Ethyldimethyl(1-methyl-3,3-diphenylpropyl)ammonium, *see* E-00035
▷5-Ethyl-3,5-dimethyl-2,4-oxazolidinedione, *see* P-00024
α-Ethyl-2,5-dimethyl-α-phenylbenzenemethanol, *see* E-00183
α-Ethyl-2,5-dimethyl-α-phenylbenzyl alcohol, E-00183

▷1-Ethyl-2,5-dioxo-4-phenylimidazolidine, *see* E-00214
▷3-Ethyl-2,6-dioxo-3-phenylpiperidine, *see* G-00061
9-Ethyl-4,6-dioxo-10-propyl-4*H*,6*H*-pyrano[3,2-*g*]quinoline-2,8-dicarboxylic acid, *see* N-00060
N-Ethyl-3,3′-diphenyldipropylamine, E-00184
Ethyl 2,2-diphenyl-3-(2-piperidyl)propionate, *see* P-00246
Ethyl dirazepate, E-00185
▷Ethyldithiourame, *see* D-00542
▷Ethyl eburnamenine-14-carboxylate, *see* V-00042
Ethylenebis[(methylamino)(2-ethylethylene)]bis(3,4,5-trimethoxybenzoate), *see* B-00409
N,*N*′-Ethylenebis[3-nitrobenzenesulfonamide], *see* D-00469
▷Ethylenebis(oxyethylenenitrilo)tetraacetic acid, *see* B-00196
▷3,3′-[Ethylenebis(oxyethyleneoxyethylenecarbonylimino)]-bis[2,4,6-triiodobenzoic acid], *see* I-00108
▷Ethylenediaminetetraacetic acid, E-00186
▷Ethylenediamine tetraacetonitrile, *in* E-00186
▷*N*,*N*′-Ethylenediarsonilic acid, *see* E-00147
Ethylene dibenzyl *P*,*P*,*P*′,*P*′-tetraethyl-phosphonodithioimidocarbonate, *see* Z-00014
▷*trans*-Ethylene-1,2-dicarboxylic acid, *see* F-00274
2,2′-(Ethylenediimino)di-1-butanol, *see* E-00148
▷Ethylenedinitrilotetraacetic acid, *see* E-00186
4,4′-(Ethylenedioxy)bis[*N*-hexyl-*N*-methylbenzylamine], *see* S-00284
▷Ethylene glycol bis(2-aminoethyl ether)-*N*-tetraacetic acid, *see* B-00196
▷Ethylene glycol bis[2-[bis(carboxymethyl)amino]ethyl] ether, *see* B-00196
Ethylenesulfonic acid, *see* V-00047
▷1-Ethylenimino-2-hydroxybutene, *see* A-00527
N-Ethylephedrine, *see* E-00133
▷Ethylestrenol, *see* E-00213
17α-Ethyl-5-estren-17β-ol, *see* B-00249
▷*N*-Ethylethanamide, *see* E-00173
▷Ethyl ether, *see* D-00246
▷Ethyl ethylaminoformate, *see* E-00189
3-Ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)propenyl]-benzothiazolium(1+), E-00187
▷3-Ethyl-2-[5-(3-ethyl-2(3*H*)-benzothiazolylidene)-1,3-pentadienyl]benzothiazolium, *see* D-00548
3-Ethyl-2-[3-(3-ethyl-2(3*H*)-benzothiazolylidene)-1-propenyl]-benzothiazolium, *see* E-00187
▷5-Ethyl-5-(1-ethylbutyl)barbituric acid, *see* E-00188
▷5-Ethyl-5-(1-ethylbutyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00188
5-Ethyl-5-(1-ethylbutyl)-2-thiobarbituric acid, *see* T-00212
5-Ethyl-5-(1-ethylbutyl)-2-thioxo-4,6-pyrimidinedione, *see* T-00212
▷Ethyl *N*-ethylcarbamate, E-00189
▷Ethyl 2-[6-[ethyl(2-hydroxypropyl)amino]-3-pyridazinyl]-hydrazinecarboxylate, *see* C-00004
Ethyl 1-ethyl-4-[(1-methylethylidene)hydrazino]-1*H*-pyrazolo[3,4-*b*]pyridine-5-carboxylate, *see* E-00143
▷Ethyl 3-ethyl-4-oxo-5-piperidino-$\Delta^{2,\alpha}$-thiazolidineacetate, *see* P-00310
▷Ethyl [3-ethyl-4-oxo-5-(1-piperidinyl)-2-thiazolidinylidene]-acetate, *see* P-00310
1-Ethyl-2-[3-(1-ethyl-2(1*H*)-quinolinylidene)propenyl]-quinolinium, E-00190
13β-Ethyl-17α-ethynyl-17β-hydroxy-4-gonen-3-one, *see* N-00218
▷Ethylethynylmethylcarbinol, *see* M-00281
▷Ethyl flavonoxyacetate, *see* E-00019
▷Ethyl 8-fluoro-5,6-dihydro-5-methyl-6-oxo-4*H*-imidazo[1,5-*a*][1,4]benzodiazepine-3-carboxylate, *see* F-00152
1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-1,8-naphthyridine-3-carboxylic acid, *see* E-00060
▷1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acid, *see* N-00214
1-Ethyl-6-fluoro-1,4-dihydro-4-oxo-7-(1*H*-pyrrol-1-yl)-3-quinolinecarboxylic acid, *see* I-00171
Ethyl 3-fluoro-4-[2-hydroxy-3-(isopropylamino)propoxy]-hydrocinnamate, *see* F-00151
▷Ethyl 4-fluorophenyl sulfone, E-00191
9-Ethyl-4-fluoro-7,8,9,10-tetrahydro-1-methyl-6*H*-pyrido[4,3-*b*]-thieno[3,2-*e*]indole, *see* T-00266
Ethyl D-gluconate, *in* G-00055
Ethyl β-D-glucosaminide, *in* A-00235
▷Ethylheptazine, *see* E-00157
Ethylhexadecyldimethylammonium, *see* E-00182
6-Ethyl-1,2,3,4,5,6-hexahydro-3-[(1-hydroxycyclopropyl)-methyl]-11,11-dimethyl-2,6-methano-3-benzazocin-8-ol, *see* B-00268
3-(3-Ethylhexahydro-1-methyl-1*H*-azepin-3-yl)phenol, *see* M-00107
2-Ethyl-1,3,4,6,7,11*b*-hexahydro-10-methyl-2*H*-benzo[*a*]-quinolizin-2-ol, *see* T-00369
▷Ethyl hexahydro-1-methyl-4-phenyl-1*H*-azepine-4-carboxylate, *see* E-00157
N-(2-Ethylhexyl)-3-hydroxybutanamide, E-00192
▷Ethylhydrocuprein, *see* E-00163
Ethyl(hydrogen *p*-mercaptobenzenesulfonato)mercury, *see* T-00191
Ethyl(hydrogen-*o*-mercaptobenzoato)mercury, *see* E-00198
▷Ethyl 4-hydroxybenzoate, *in* H-00113
Ethyl *p*-hydroxybenzoate 6-guanidinohexanoate, *see* G-00001
▷2-Ethyl-3-(4-hydroxybenzoyl)benzofuran, *see* B-00071
▷α-Ethyl-1-hydroxycyclohexaneacetic acid, E-00193
▷2-Ethyl-3-(4-hydroxy-3,5-diiodobenzoyl)benzofuran, *see* B-00085
N-Ethyl-3-hydroxy-*N*,*N*-dimethylbenzenaminium, *see* E-00016
Ethyl 5-hydroxy-1,2-dimethyl-3-indolecarboxylate, *in* H-00163
13β-Ethyl-17α-hydroxy-18,19-dinor-4,15-pregnadien-20-yn-3-one, *see* G-00021
▷13-Ethyl-17α-hydroxy-18,19-dinorpregna-4,9,11-trien-20-yn-3-one, *see* G-00022
▷13-Ethyl-17β-hydroxy-18,19-dinorpregn-4-en-3-one, *see* N-00209
13β-Ethyl-17β-hydroxy-18,19-dinor-4-pregnen-20-yn-3-one, *see* N-00218
13-Ethyl-17-hydroxy-18,19-dinor-17-pregn-4-en-20-yn-3-one, *see* N-00218
▷*N*-Ethyl-2-[(hydroxydiphenylacetyl)oxy]-*N*,*N*-dimethylethanaminium, *see* L-00002
▷1-Ethyl-3-[(hydroxydiphenylacetyl)oxy]-1-methylpiperidinium, *see* P-00279
16β-Ethyl-17β-hydroxyestr-4-en-3-one, *see* O-00102
▷7-[2-[Ethyl(2-hydroxyethyl)amino]ethyl]-3,7-dihydro-1,3-dimethyl-8-(phenylmethyl)-1*H*-purine-2,6-dione, *see* B-00011
Ethyl(2-hydroxyethyl)dimethylammonium bis(dibutylcarbamate), *see* D-00171
1-Ethyl-1-(2-hydroxyethyl)pyrrolidinium 3,4,5,-trimethoxybenzoate, *see* T-00561
▷13-Ethyl-3-hydroxyimino-18,19-dinor-4-pregnen-20-yn-17β-yl acetate, *see* N-00216
▷1-Ethyl-3-hydroxy-1-methylpiperidinium benzilate, *see* P-00279
▷2-Ethyl-2-hydroxymethyl-1,3-propanediol, E-00194
1-[[2-[Ethyl(2-hydroxy-2-methylpropyl)amino]ethyl]amino]-4-methyl-9*H*-thioxanthen-9-one, *see* B-00021
N-Ethyl-α-(hydroxymethyl)-*N*-(4-pyridinylmethyl)-benzeneacetamide, *see* T-00552
1-Ethyl-3-hydroxy-1-methylpyrrolidinium α-cyclopentylphenylacetate, *see* C-00637
▷17α-Ethyl-17β-hydroxy-4-oestren-3-one, *see* N-00211
9-Ethyl-7-(3-hydroxy-1-oxo-2-phenylpropoxy)-9-methyl-3-oxa-9-azoniatricyclo[3.3.1.$0^{2,4}$]nonane, *see* O-00123
3-Ethyl-3-hydroxypentanoic acid, E-00195
Ethyl 1-(β-hydroxyphenethyl)-4-phenylisonipecotate, *see* O-00143
α-Ethyl-1-hydroxy-4-phenylcyclohexaneacetic acid, *see* F-00040
Ethyl(*m*-hydroxyphenyl)dimethylammonium, *see* E-00016
N-Ethyl-*N*-(*m*-hydroxyphenyl)-*N*,*N*-dimethylammonium, *see* E-00016
Ethyl 1-[(2-hydroxyphenyl)ethyl]-4-phenyl-4-piperidinecarboxylate, *see* O-00143

▷Ethyl *p*-hydroxyphenyl ketone, *see* H-00193

▷Ethyl 4-(3-hydroxyphenyl)-1-methylpiperidine-4-carboxylate, *see* H-00189

1-Ethyl-1-(3-hydroxypropyl)piperidinium α-2,4-diphenyl-1,3-cyclobutanedicarboxylate, *see* T-00563

4-Ethyl-4-hydroxy-1*H*-pyrano[3′,4′:6,7]indolizino[1,2-*b*]-quinoline-3,14(4*H*,12*H*)-dione, *see* C-00024

▷α-Ethyl-3-hydroxy-2,4,6-triiodobenzenepropanoic acid, *see* I-00128

▷α-Ethyl-3-hydroxy-2,4,6-triiodohydrocinnamic acid, *see* I-00128

▷1-Ethyl-3-hydroxyurea, *see* E-00196

▷*N*-Ethyl-*N*′-hydroxyurea, E-00196

3-Ethyl-3-hydroxyvaleric acid, *see* E-00195

▷Ethylidene diethyl ether, *see* D-00228

4,6-*O*-Ethylidene-D-glucitol, *in* G-00054

7-Ethylidene-1*a*,2,3,7-tetrahydrocyclopent[*b*]oxireno[*c*]pyridine, *see* A-00002

▷Ethyl 4-iodo-ι-methylbenzenedecanoate, *see* I-00127

▷Ethyl 10-*p*-iodophenylundecanoate, *see* I-00127

▷5-Ethyl-5-isoamylbarbituric acid, *see* A-00352

Ethylisobutrazine, *see* E-00266

Ethyl isobutyl ether, *see* E-00167

▷α-Ethylisonicotinoylthioamide, *see* E-00220

▷5-Ethyl-5-isopropylbarbituric acid, *see* P-00443

▷2-Ethylisothionicotinamide, *see* E-00220

Ethyl loflazepate, E-00197

Ethyl(4-mercaptobenzenesulfonato-S^4)mercury, *see* T-00191

Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198

Ethyl(2-mercapto-5-benzoxazolecarboxylato-*S*)mercury, *see* O-00070

2-[(Ethylmercuri)thio]benzoxazole-5-carboxylic acid, *see* O-00070

Ethylmercurithiosalicylic acid, *see* E-00198

▷Ethyl 3-methoxy-15-apo-φ-caroten-15-ate, *in* A-00041

Ethyl(3-methoxybenzyl)dimethylammonium(1+), E-00199

N-Ethyl-3-methoxy-*N*,*N*-dimethylbenzenemethanaminium, *see* E-00199

▷β-Ethyl-6-methoxy-α,α-dimethyl-2-naphthalenepropanoic acid, *see* M-00164

4-[1-Ethyl-2-(4-methoxyphenyl)-1-butenyl]phenol, *in* D-00257

N-[2-Ethyl-2-(3-methoxyphenyl)butyl]-4-hydroxybutanamide, *see* E-00034

▷3-Ethyl-4-(4-methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid, E-00200

Ethyl 4-(2-methoxyphenyl)-1-piperazineheptanoate, E-00201

N-Ethyl-9-(4-methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenamide, *see* M-00456

3-Ethylmethylamino-1,1-di(2-thienyl)but-1-ene, *see* E-00208

α-[1-(Ethylmethylamino)ethyl]benzenemethanol, *see* E-00133

2-(Ethylmethylamino)-1-phenylpropan-1-ol, *see* E-00133

α-Ethyl-β-[2-(methylamino)propyl]-β-phenylbenzeneethanol acetate, *see* N-00207

▷5-Ethyl-5-(1-methyl-1-butenyl)barbituric acid, *see* V-00031

▷5-Ethyl-5-(1-methyl-1-butenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* V-00031

▷5-Ethyl-5-(1-methylbutyl)barbituric acid, *see* P-00101

▷5-Ethyl-5-(1-methylbutyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* P-00101

▷5-Ethyl-5-(3-methylbutyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* A-00352

▷5-Ethyl-5-(1-methylbutyl)-2-thiobarbituric acid, *see* T-00206

Ethyl methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate, *see* F-00028

N-Ethyl-*N*-methyl-4,4-di-2-thienyl-3-buten-2-amine, *see* E-00208

▷13β-Ethyl-11-methylene-18,19-dinorpregn-4-en-20-yn-17α-ol, *see* D-00099

4,4′-(1-Ethyl-2-methyl-1,2-ethanediyl)bis[6-fluoro-1,2-benzenediol]tetraacetate, *see* A-00009

4,4′-(1-Ethyl-2-methyl-1,2-ethanediyl)bis(2-fluorophenol), *see* B-00163

▷5-Ethyl-5-(1-methylethyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* P-00443

3-Ethyl-3-methylglutaric acid, *see* E-00203

▷3-Ethyl-3-methylglutarimide, *in* E-00203

▷*O*-Ethyl *S*-(1-methylimidazol-2-yl)carbamate, *see* C-00051

2-Ethyl-5-[1-methyl-2-(1-methyl-5-nitro-1*H*-imidazol-2-yl)-ethenyl]-1,3,4-thiadiazole, *see* T-00327

Ethyl 2-methyl-2-[(9-oxo-9*H*-xanthen-3-yl)oxy]propanoate, E-00202

3-Ethyl-3-methylpentanedioic acid, E-00203

2-Ethyl-3-methylpentanoic acid, E-00204

Ethyl-*p*-[2-[(α-methylphenethyl)amino]ethoxy]benzyl alcohol, *see* F-00034

▷5-Ethyl-1-methyl-5-phenylbarbituric acid, *see* E-00206

▷*N*-Ethyl-*N*-(2-methylphenyl)-2-butenamide, *see* C-00567

▷5-Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid, E-00205

α-Ethyl-4-[2-[(1-methyl-2-phenylethyl)amino]ethoxy]-benzenemethanol, *see* F-00034

▷5-Ethyl-1-methyl-5-phenylhydantoin, *see* M-00179

▷5-Ethyl-3-methyl-5-phenylhydantoin, *see* M-00188

▷5-Ethyl-1-methyl-5-phenyl-2,4-imidazolidinedione, *see* M-00179

▷5-Ethyl-3-methyl-5-phenyl-2,4-imidazolidinedione, *see* M-00188

▷Ethyl *N*-methyl-4-phenylpiperidine-4-carboxylate, *see* P-00131

3-Ethyl-1-methyl-4-phenyl-4-piperidinol propanoate, *see* M-00105

α-3-Ethyl-1-methyl-4-phenyl-4-propionyloxypiperidine, *see* M-00105

▷5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00206

▷4-Ethyl-3-methyl-3-phenylpyrrolidine-2,5-dione, *see* F-00053

▷3-Ethyl-2-methyl-2-phenylsuccinimide, *see* F-00053

▷4-Ethyl-4-methyl-2,6-piperidinedione, *in* E-00203

▷4′-Ethyl-2-methyl-3-piperidinopropiophenone, *see* E-00072

4-Ethyl-1-(1-methyl-4-piperidyl)-3-phenyl-3-pyrazolin-5-one, *see* P-00296

▷α-Ethyl-4-(2-methylpropyl)benzeneacetic acid, *see* B-00402

▷1-Ethyl-1-methylpropyl carbamate, *see* E-00042

▷5-Ethyl-5-(1-methylpropyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00380

▷3-Ethyl-3-methyl-2,5-pyrrolidinedione, E-00207

▷2-Ethyl-2-methylsuccinimide, *see* E-00207

Ethylmethylthiambutene, E-00208

▷*N*-Ethyl-α-methyl-3-(trifluoromethyl)benzeneethanamine, *see* F-00050

▷*N*-Ethyl-α-methyl-*m*-(trifluoromethyl)phenethylamine, *see* F-00050

N-Ethyl-α-methyl-3-[(trifluoromethyl)thio]benzeneethanamine, *see* F-00228

N-Ethyl-α-methyl-*m*-[(trifluoromethyl)thio]phenethylamine, *see* F-00228

7-Ethyl-2-methyl-4-undecanol, E-00209

(2-Ethyl-3-methylvaleroyl)urea, *see* C-00035

▷Ethylmorphine, *in* M-00449

Ethyl 4-morpholino-2,2-diphenylbutyrate, *see* D-00474

Ethyl 10-(3-morpholinopropionyl)phenothiazine-2-carbamate, *see* M-00442

▷1-Ethyl-4-[2-(4-morpholinyl)ethyl]-3,3-diphenyl-2-pyrrolidinone, *see* D-00591

Ethyl [10-[3-(4-morpholinyl)-1-oxopropyl]-10*H*-phenothiazin-2-yl]carbamate, *see* M-00442

Ethyl mycophenolate, *in* M-00475

▷2-Ethyl-2-(1-naphthyl)butanoic acid, E-00210

1-Ethyl-2-[(5-nitro-2-furanyl)methylene]hydrazinecarboxamide, *see* N-00131

[2-(2-Ethyl-5-nitro-1*H*-imidazol-1-yl)ethyl]-*O*-methyl-carbamothioate, *see* S-00229

2-Ethyl-2-[(nitrooxy)methyl]-1,3-propanediol dinitrate (ester), *in* E-00194

3-Ethyl-1-(3-nitrophenyl)-2,4(1*H*,3*H*)-quinazolinedione, *see* N-00167

▷Ethyl *N*-nitrosocarbamate, *in* E-00177

▷*N*-Ethyl-*N'*-(5-nitro-2-thiazolyl)urea, E-00211
Ethylnoradrenaline, *see* E-00212
Ethylnorepinephrine, E-00212
▷Ethylnorepinephrine hydrochloride, *in* E-00212
▷Ethylnorgestrienone, *see* G-00022
Ethylnorsuprarenin, *see* E-00212
▷17-Ethyl-19-nortestosterone, *see* N-00211
3-Ethyl-1,4*a*,5,6,7,8,8*a*,9-octahydro-2,6-dimethyl-4*H*-pyrrolo[2,3-*g*]isoquinolin-4-one, *see* P-00311
N-(4-Ethyl-4,6,6*a*,7,8,9,10,10*a*-octahydro-7-methylindolo[4,3-*g*]-quinolin-9-yl)-3,5-dimethyl-1*H*-pyrazole-1-carboxamide, *see* T-00385
1-Ethyl-1,2,3,4,4*a*,5,6,12*b*-octahydro-12-methyl-4-(1-methylethyl)pyrazino[2',3':3,4]pyrido[1,2-*a*]indole, *see* A-00470
7-Ethyloctahydro-2-methyl-6*H*-pyrazino[1,2-*c*]pyrimidin-6-one, *see* C-00167
▷Ethyloestrenol, E-00213
▷17α-Ethyl-4-oestren-17β-ol, *see* E-00213
▷Ethyl [(4-oxo-2-phenyl-4*H*-1-benzopyran-7-yl)oxy]acetate, *see* E-00019
α-Ethyl-2-oxo-1-pyrrolidineacetamide, *see* E-00240
N-[1-[2-(4-Ethyl-5-oxo-2-tetrazolin-1-yl)ethyl]-4-(methoxymethyl)-4-piperidyl]propionanilide, *see* A-00111
Ethyl pabate, *in* A-00264
▷Ethylpapaverine, *see* E-00150
▷Ethylparaben, *in* H-00113
2'-*N*-Ethylparamomycin, *in* P-00039
▷Ethyl parasept, *in* H-00113
▷5-(1-Ethylpentyl)-3-[(trichloromethyl)thio]hydantoin, *see* C-00199
▷5-(1-Ethylpentyl)-3-[(trichloromethyl)thio]-2,4-imidazolidinedione, *see* C-00199
▷Ethylphenacemide, *see* P-00153
▷Ethylphenephrine, *in* A-00272
Ethyl 1-phenethyl-4-phenylisonicopecolate, *see* P-00151
Ethylphenidate, *in* R-00065
▷Ethylphenylbarbituric acid, *see* E-00218
▷*N*-Ethyl-3-phenylbicyclo[2.2.1]heptan-2-amine, *see* F-00038
2-(2-Ethyl-2-phenyl-1,3-dioxolan-4-yl)piperidine, *see* E-00264
Ethyl 1-(2-phenylethyl)-4-phenylpiperidine-4-carboxylate, *see* P-00151
▷2-Ethyl-2-phenylglutarimide, *see* G-00061
▷3-Ethyl-5-phenylhydantoin, *see* E-00214
▷5-Ethyl-5-phenylhydantoin, *see* E-00215
▷3-Ethyl-5-phenyl-2,4-imidazolidinedione, E-00214
▷5-Ethyl-5-phenyl-2,4-imidazolinedione, E-00215
▷4-[1-Ethyl-2-[4-(phenylmethoxy)phenyl]-1-butenyl]phenol, *in* D-00257
▷1-(4-Ethylphenyl)-2-methyl-3-(1-piperidinyl)-1-propanone, *see* E-00072
1-(4-Ethylphenyl)-2-methyl-3-(1-pyrrolidinyl)-1-propanone, *see* I-00048
▷3-(*o*-Ethylphenyl)-2-methyl-4(3*H*)-quinazolinone, *see* E-00140
▷*N*-Ethyl-3-phenyl-2-norbornanamine, *see* F-00038
3-Ethyl-3-phenyl-2,6-piperazinedione, E-00216
4-(4-Ethylphenyl)piperidine, E-00217
▷3-Ethyl-3-phenyl-2,6-piperidinedione, *see* G-00061
2-Ethyl-2-phenyl-4-(2-piperidyl)-1,3-dioxolane, *see* E-00264
N-Ethyl-*N*-(3-phenylpropyl)benzenepropanamine, *see* E-00184
▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
Ethyl 4-phenyl-1-[2-[(tetrahydro-2-furanyl)methoxy]ethyl]-4-piperidinecarboxylate, *see* F-00290
Ethyl-4-phenyl-1-[2-(tetrahydrofurfuryloxy)ethyl]isonipecotate, *see* F-00290
▷2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione, E-00219
▷2-Ethyl-2-phenyl-3,5-thiomorpholinedione, *see* E-00219
▷α-Ethyl-α-phenyl-3-(trifluoromethyl)benzenemethanol, *see* F-00153
Ethyl phosphonoacetate, *in* P-00215
▷Ethyl 3-phthalazin-1-yl carbazate, *see* T-00338
▷Ethyl 2-(1-phthalazinyl)hydrazine carboxylate, *see* T-00338
▷2-Ethyl-3-(β-piperidino-*p*-phenetidino)phthalimidine, *see* E-00258
9-(*N*-Ethyl-L-prolinamide)-10-deglycinamideluteinizing hormone-releasing factor (pig), *see* F-00096
5-Ethyl-5-(2-propenyl)-2,4,6-pyrimidinetrione, *see* A-00129
▷2-Ethyl-3-propyl-2,3-epoxypropionamide, *see* O-00085
Ethyl 3-*O*-propyl-D-glucofuranoside 5,6-bis(2-hydroxybenzoate), *see* S-00020
Ethyl 3-*O*-propyl-D-glucofuranoside 5,6-disalicylate, *see* S-00020
▷2-Ethyl-3-propyloxiranecarboxamide, *see* O-00085
▷2-Ethyl-4-pyridinecarbothioamide, E-00220
2-(5-Ethyl-2-pyridinyl)-1*H*-benzimidazole, E-00221
N-Ethyl-*N*-(4-pyridylmethyl)tropamide, *see* T-00552
▷Ethyl pyrophosphate, *see* T-00112
N-[(1-Ethyl-2-pyrrolidinyl)methyl]benzilamide, *see* E-00073
▷*N*-[(1-Ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-*o*-anisamide, *see* S-00264
▷*N*-[(1-Ethyl-2-pyrrolidinyl)methyl]-5-(ethylsulfonyl)-2-methoxybenzamide, *see* S-00264
N-[(1-Ethyl-2-pyrrolidinyl)methyl]-2-methoxy-5-(1-oxobutyl)-benzamide, *see* I-00172
▷*N*-[(1-Ethyl-2-pyrrolidinyl)methyl]-5-sulfamoyl-*o*-anisamide, *see* S-00259
▷*O*-Ethyl *O'*-quinolin-8-yl phenylphosphonothionate, *see* Q-00034
▷Ethyl salicylate, *in* H-00112
▷*N*-Ethylsisomicin, *see* N-00078
Ethylstibamine, *in* A-00212
1-Ethyl-5'-sulfamoyl-2-pyrrolidineacet-*o*-anisidide, *see* I-00213
2-[3-(Ethylsulfinyl)propyl]-1,2,3,4-tetrahydroisoquinoline, *see* E-00124
▷Ethylsulfonal, *see* B-00211
5-Ethyl-2-sulfonamido-1,3,4-thiadiazole, *see* S-00239
4-(Ethylsulfonyl)benzaldehyde thiosemicarbazone, *see* S-00170
▷1-[2-(Ethylsulfonyl)ethyl]-2-methyl-5-nitro-1*H*-imidazole, *see* T-00293
▷1-(Ethylsulfonyl)-4-fluorobenzene, *see* E-00191
Ethylsulphonal, *in* B-00213
Ethyl 2,3,4,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
Ethyl 2,3,5,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
1-Ethyl-1,2,3,4-tetrahydro-7-methoxy-2-methyl-2-phenanthrenecarboxylic acid, *see* D-00570
6-Ethyl-2,3,6,9-tetrahydro-3-methyl-2,9-dioxothiazolo[5,4-*f*]-quinoline-8-carboxylic acid, *see* T-00306
2-Ethyl-1,2,3,4-tetrahydro-2-methylisoquinolinium(1+), E-00222
▷3-Ethyl-1,5,6,7-tetrahydro-2-methyl-5-(4-morpholinylmethyl)-4*H*-indol-4-one, *see* M-00423
Ethyl 1-(1,2,3,4-tetrahydro-1-naphthalenyl)-1*H*-imidazole-5-carboxylate, *see* E-00159
Ethyl 1-(1,2,3,4-tetrahydro-1-naphthyl)imidazole-5-carboxylate, *see* E-00159
6-Ethyl-5,6,7,8-tetrahydro-4*H*-oxazolo[4,5-*d*]azepin-2-amine, *see* A-00516
5-Ethyl-2,3,5,8-tetrahydro-8-oxofuro[2,3-*g*]quinoline-7-carboxylic acid, *see* D-00613
▷*N*-Ethyltetrahydro-α-(phenylmethyl-2-furanmethanamine), *see* Z-00040
1-Ethyl-1,3,4,9-tetrahydro-4-(phenylmethyl)pyrano[3,4-*b*]-indole-1-acetic acid, *see* P-00056
1-Ethyl-1,2,3,4-tetrahydroquinoline, E-00223
9-Ethyl-1,3,4,9-tetrahydro-*N*,*N*,1-trimethylthiopyrano[3,4-*b*]-indole-1-ethanamine, *see* T-00025
N'-(5-Ethyl-1,3,4-thiadiazol-2-yl)sulfanilamide, *see* S-00239
O-Ethyl thiocarbamate, *in* T-00196
S-Ethyl thiocarbamate, *in* T-00196
▷2-Ethyl-4-thiocarbamoylpyridine, *see* E-00220
17-(Ethylthio)-9-fluoro-11-hydroxy-17-(methylthio)-androsta-1,4-dien-3-one, *see* T-00314
▷2-(Ethylthio)-10-[3-(4-methyl-1-piperazinyl)propyl]-10*H*-phenothiazine, *see* T-00189

2-[[[4-(Ethylthio)-3-methyl-2-pyridinyl]methyl]sulfinyl-1*H*-benzimidazole, *see* D-00544
Ethyl 3,5,6-tri-*O*-benzylglucofuranoside, E-00224
▷α-Ethyl-3-(trifluoromethyl)benzhydrol, *see* F-00153
Ethyl-4-[2-[3,4,5-trihydroxy-2-(hydroxymethyl)piperidino]-ethoxy]benzoate, *see* E-00038
4-[Ethyl[2,4,6-triiodo-3-(methylamino)phenyl]amino]-4-oxobutanoic acid, *see* I-00138
N-Ethyl-2′,4′,6′-triiodo-3′-(methylamino)succinanilic acid, *see* I-00138
α-Ethyl-2,4,6-triiodo-3-[(1-oxobutylamino]-benzenepropanoic acid, *see* T-00581
α-Ethyl-2,4,6-triiodo-3-(2-oxo-1-pyrrolidinyl)-benzenepropanoic acid, *see* I-00118
α-Ethyl-2,4,6-triiodo-3-(2-oxo-1-pyrrolidinyl)-hydrocinnamic acid, *see* I-00118
1-Ethyl-1-[2-[(3,4,5-trimethoxybenzoyl)oxy]ethyl]pyrrolidinium, *see* T-00561
N-Ethyl-*N*,*N*,α-trimethyl-γ-phenylbenzenepropanaminium, *see* E-00035
Ethyl 3,5,6-tris-*O*-(phenylmethyl)glucofuranoside, *see* E-00224
8-Ethyl-3-tropoyloxy-6,7-epoxytropanium(1+), *see* O-00123
▷α-Ethyltryptamine, *see* A-00222
▷Ethyl urethane, *see* E-00177
▷Ethylurethane, *see* E-00189
▷Ethyl vanillin, *in* D-00311
▷Ethyl vinyl ether, E-00225
▷Ethylxanthic disulfide, *see* D-00556
▷α-Ethyl-*p*-xenylacetic acid, *see* B-00179
▷Ethynerone, E-00226
▷Ethynodiol, E-00227
▷Ethynodiol diacetate, *in* E-00227
α-Ethynylbenzenemethanol, *see* P-00204
▷1-Ethynylcyclohexanol, E-00228
▷1-Ethynylcyclohexanol carbamate, *see* E-00154
▷1-Ethynylcyclohexyl carbamate, *see* E-00154
α-[[(1-Ethynylcyclohexyl)oxy]methyl]-4-(4-fluorophenyl)-1-piperazineethanol, *see* F-00137
α-[[(1-Ethynylcyclohexyl)oxy]methyl]-4-(2-methoxyphenyl)-piperazineethanol, *see* M-00414
α-[[(1-Ethynylcyclohexyl)oxy]methyl]-4-[3-(trifluoromethyl)-phenyl]-1-piperazineethanol, *see* T-00085
17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one, E-00229
▷17α-Ethynylestradiol, *see* E-00231
Ethynylestradiol 3-isopropylsulfonate, *in* E-00231
4′-Ethynyl-2-fluoro-1,1′-biphenyl, E-00230
▷17α-Ethynyl-17β-hydroxy-4-oestren-3-one, *see* N-00212
▷17α-Ethynyl-17β-hydroxy-5(10)-oestren-3-one, *see* N-00213
▷17α-Ethynyl-3-methoxy-1,3,5(10)-oestratrien-17β-ol, *see* M-00138
17α-Ethynyl-18-methyl-19-nortestosterone, *see* N-00218
▷17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol, E-00231
▷17α-Ethynyl-4-oestrene-3β,17β-diol, *see* E-00227
▷17α-Ethynyl-4-oestren-17β-ol, *see* L-00121
Ethynylphenylcarbinol, *see* P-00204
▷17-Ethynyltestosterone, *see* E-00156
Ethypicone, *see* D-00250
▷Ethysine, *see* D-00412
Etibendazole, E-00232
Eticlopride, E-00233
▷Eticol, *see* P-00027
Eticyclidine, *in* P-00182
▷Eticyclol, *see* E-00231
▷Etidocaine, E-00234
▷Etidon, *in* H-00132
Etidronate, *see* H-00132
▷Etidronate disodium, *in* H-00132
Etidronic acid, *see* H-00132
Etifelmine, *see* D-00497
Etifenin, E-00235
▷Etifoxine, E-00236
▷Etiladrianol, *in* A-00272
▷Etilamfetamine, *in* P-00202
▷Etilefrine, *in* A-00272
Etilefrine pivalate, *in* A-00272
▷Etinozolam, *see* E-00244
Etintidine, E-00237
Etintidine hydrochloride, *in* E-00237
ETIP, *see* D-00553
Etipirium(1+), E-00238
Etipirium iodide, *in* E-00238
▷Etiproston, E-00239
Etiproston trometamol, *in* E-00239
Etipyrium, *see* E-00238
Etiracetam, E-00240
Etiroxate, E-00241
Etisazole, *in* A-00214
▷Etisine, *see* D-00412
Etisomicin, E-00242
▷Etisteron, *see* E-00156
Etisul, *see* D-00553
Etisulergine, E-00243
▷Etizolam, E-00244
Etobedolum, *see* E-00260
▷Etocarlide, *in* B-00222
▷Etoclofene, *in* M-00045
▷Etocrilene, *in* C-00582
▷Etocrylene, *in* C-00582
Etodolac, E-00245
Etodolic acid, *see* E-00245
▷Etodroxizine, E-00246
Etofamide, E-00247
▷Etofen, *in* M-00045
▷Etofenamate, E-00248
Etofenoprox, E-00249
Etofibrate, E-00250
Etoformin, E-00251
Etoformin hydrochloride, *in* E-00251
Etofuradine, E-00252
▷Etofylline, E-00253
▷Etofylline clofibrate, *see* T-00168
▷Etoglucid, *see* D-00225
▷Etogyn, *see* M-00057
▷Etoksid, *in* B-00222
Etolip, *see* E-00250
Etolorex, E-00254
Etolotifen, E-00255
Etoloxamine, E-00256
Etomidate, E-00257
▷Etomide hydrochloride, *in* C-00053
▷Etomidoline, E-00258
Etomoxir, E-00259
Etonam, *see* E-00159
Etonitazene, E-00260
Etopalin, *see* E-00280
Etoperidone, E-00261
Etophyllate, *in* A-00011
Etopinil, *in* O-00169
▷Etoposide, E-00262
Etoprindole, *in* D-00414
▷Etoprine, *see* D-00123
Etoquinol sodium, *in* E-00171
▷Etorphine, E-00263
Etosalamide, *see* E-00164
Etoscol, *see* H-00068
Etoxadrol hydrochloride, *in* E-00264
Etoxadrol, E-00264
▷Etoxazene, *see* D-00131
Etoxeridine, E-00265
▷Etoxidrazone, *see* R-00107
▷Etoxuridine, *see* E-00015
Etozolin, *in* O-00169
Etrabamine, *in* A-00334
Etradil, *in* E-00194
▷Etrafon, *in* N-00224
▷Etrane, *see* C-00230
▷Etrenol, *in* H-00093
Etretin, *see* A-00041
▷Etretinate, *in* A-00041

Etrosteron, *in* O-00028
▷Etruscomycin, *see* L-00112
▷Etryptamine, *see* A-00222
▷Etryptamine acetate, *in* A-00222
Ettriol trinitrate, *in* E-00194
▷Et UdR, *see* E-00015
▷Etumine, *see* C-00507
▷Etybenzatropine, *see* E-00172
Etymemazine, E-00266
▷Etymide hydrocholoride, *in* C-00053
Etyprenaline, *see* I-00185
EU 1085, *see* L-00023
EU 1093, *see* B-00373
EU 2826, *see* B-00070
▷EU 2972, *in* N-00199
▷EU 3120, *in* A-00045
EU 3325, *see* B-00128
EU 3421, *in* O-00113
EU 4093, *in* A-00534
▷EU 4200, *see* P-00324
▷EU-4534, *see* F-00220
EU 4584, *see* T-00348
EU 4891, *in* D-00118
EU-4906, *in* S-00151
Eu 5306, *in* N-00214
▷EU 16738, *see* B-00358
Euacid, *in* B-00140
▷Eubilin, *see* P-00310
Eubron, *in* E-00003
(+)-β-Eucaine, *in* T-00511
▷β-Eucaine, *in* T-00511
▷Eucaine *B*, *in* T-00511
▷Eucalyptol, *see* C-00360
▷Eucapur, *see* C-00360
Eucast, *see* N-00086
Eucatropine, E-00267
Eucatropine hydrochloride, *in* E-00267
▷Eucilat, *see* B-00053
Euclidan, *in* N-00086
Eucolil, *in* D-00049
Euctan, *see* T-00358
▷Eucupin, *see* E-00276
▷Eudermol, *in* N-00103
4(15),7(11)-Eudesmadien-8-one, E-00268
4(15),7(11),8-Eudesmatrien-12,8-olide, E-00269
▷Eudilat, *see* B-00053
▷Eudormil, *see* H-00192
▷EUDR, *see* E-00015
▷Eudyne, *see* I-00068
▷Eugenol, *see* M-00215
▷Euglucon, *see* G-00032
▷Euglycin, *see* M-00146
▷Eugynon, *in* E-00231
Eugynon, *in* N-00218
▷Eulexin, *see* F-00224
▷Eulitop, *see* B-00148
Euminex, *see* G-00052
▷Eumotol, *in* B-00353
Eumovate, *in* C-00437
▷Eumovate, *in* C-00437
▷Eumydrin, *in* T-00554
Eunarcon, *in* P-00482
▷Eunasin, *in* M-00347
Eunephran, *see* B-00401
▷Eunerpan, *in* M-00083
Eupachlorin, E-00270
Eupachlorin acetate, *in* E-00270
Eupachloroxin, E-00271
Eupacunin, E-00272
Euparotin, E-00273
Euparotin acetate, *in* E-00273
Eupatilin, *see* D-00355
Eupatolide, *in* H-00134
Eupatorin, *see* D-00354
▷Eupatorin, *in* S-00147
Eupatoroxin, E-00274
10-*epi*-Eupatoroxin, *in* E-00274
Eupatundin, E-00275
▷Eupaverin, *see* M-00267
Eupaverin, *in* M-00461
▷Euphozid, *see* I-00161
Euphthalmine, *see* E-00267
Eupirone, *see* A-00416
▷Eupneron, *in* E-00094
Eupractone, *see* D-00439
Euprax, *see* A-00102
▷Euprex, *in* T-00499
▷Euprocin, E-00276
▷Euprocin hydrochloride, USAN, *in* E-00276
Eupyron, *see* A-00416
Euquinine, *in* Q-00028
▷Eurax, *see* C-00567
▷Eurazyl, *in* B-00431
▷Euresol, *in* B-00073
▷Eurodin, *see* E-00126
Euronicato, *in* T-00506
▷Eusolex 4360, *in* D-00318
▷Eustidil, *see* H-00021
▷Eustin, *see* S-00017
▷Eutarpan, *in* C-00434
▷Euthroid, *in* T-00233
Euthroid, *in* T-00487
Euthym, *see* P-00340
Eutocol, *in* O-00028
▷Eutonyl, *in* P-00037
Eutrivan, *see* G-00052
▷Eutrophyl, *in* T-00337
▷Euvernil, *see* S-00203
Euvifor, *in* O-00139
▷Euvitol, *see* F-00038
▷Euzactin, *see* G-00065
E-VA-16, *see* I-00050
▷Evablin, *see* A-00532
Evac-Q-Mag, *see* M-00007
▷Evadene, *in* B-00424
▷Evadyne, *in* B-00424
Evalgin, *in* M-00269
Evandamine, E-00277
▷Evans Blue, *see* A-00532
▷Evasidol, *in* B-00424
▷Eventin, *see* M-00242
Everfree, *see* N-00176
▷Evimot, *in* C-00456
▷Evipan, *see* H-00065
▷Evomonoside, *in* D-00274
▷Evramycin, *in* O-00035
Ex 4810, *see* A-00174
Ex 4883, *see* R-00076
EX 10-029, *see* E-00021
EX 11528A, *see* C-00234
▷Exal, *in* V-00032
▷Exalamide, *see* H-00073
Exametazime, E-00278
▷Exangit, *see* B-00094
Exaprolol, E-00279
▷Exaprolol hydrochloride, *in* E-00279
Exelderm, *in* S-00184
Exepanol, *in* T-00122
▷Exflam, *in* B-00353
▷Exifarma, *see* B-00200
Exifone, *see* H-00052
Exiproben, E-00280
Exirel, *in* P-00316
▷Exirel (old form), *in* T-00252
▷Exlutena, *see* L-00121
▷Exlution, *see* L-00121
▷Exluton, *see* L-00121
▷Exocrine, *see* B-00069
Exoderil, *see* N-00024
Exodol, *in* B-00234
▷Exofalicain, *see* P-00289
Exogran, *in* B-00087

▷Exolen, *in* D-00310
Exomicol, *in* H-00191
Exopan, *in* C-00628
Exopon, *in* C-00628
Exosulfonyl, *see* S-00173
▷Exotancain, *see* P-00289
Exovir HZ, *in* I-00079
EXP 126, *see* A-00063
▷EXP 338, *see* M-00364
▷Expansin, *see* P-00043
▷Expansolin, *in* T-00418
Exrel, *in* P-00316
▷Exsel, *see* S-00037
Exsulf, *see* S-00210
▷Extexate, *see* M-00192
▷Extranase, *see* B-00287
Extussin, *in* D-00407
Exypaque, *see* I-00117
E $129Z_1$, *see* P-00440
▷F 70, *in* O-00121
F 75, *see* P-00408
F 1052, *see* B-00388
▷F 139, *see* B-00413
F1379, *see* I-00220
F 1393, *see* P-00230
F 1427, *in* E-00073
F 1500, *see* S-00173
F 1594, *see* M-00157
F1603, *see* T-00294
F 1686, *see* L-00103
F 1797, *see* D-00465
F 1865, *see* T-00307
F 1983, *in* P-00592
F2207, *see* M-00376
▷2249 F, *in* O-00091
▷F 368, *see* D-00012
F 413, *see* C-00447
F 440, *in* D-00012
F 6113, *see* F-00300
F 691, *see* F-00294
▷F 776, *see* O-00063
F 853, *in* N-00164
▷933 F, *see* P-00294
▷Fa 402, *in* F-00081
FAA, *see* O-00136
Fabahistin, *in* M-00035
Fabiatrin, *in* H-00148
Facteur thymique sérique, *see* S-00054
▷Factor *IX*, F-00004
Factor *V*, F-00001
Factor *VII*, F-00002
Factor *VIII*, F-00003
Factor *X*, F-00005
Factor *XII*, F-00006
Factor *XIII*, F-00007
Factor *XIV*, F-00008
Lactobacillus casei factor, *see* P-00555
Factor P-Zyma, *in* T-00559
Factrel, *in* L-00116
▷FAD, *in* R-00038
▷Fademorf EK20, *see* T-00518
Fagaronine, F-00009
FAK III, *in* S-00254
Falban-Crena, *in* F-00201
Falcarindiol, *in* H-00028
▷Falicain (new), *see* P-00289
▷Falignost, *see* I-00120
Falintolol, F-00010
Falipamil, F-00011
Falithrom, *see* P-00174
Falmonox, *see* T-00048
Falomesin, *see* C-00154
Faltium, *see* V-00018
Famciclovir, F-00012
▷Famophos, *see* F-00015
▷Famotidine, F-00013
Famotine, F-00014
Famotine hydrochloride, *in* F-00014
▷Famphur, F-00015
Famprofazone, F-00016
▷Fanasil, *see* S-00193
Fanetizole, *see* P-00195
Fanetizole mesylate, *in* P-00195
Fangchinoline, F-00017
Fanthridone, F-00018
▷Fantorin, *in* B-00207
Fantridone, *see* F-00018
Fantridone hydrochloride, *in* F-00018
Fantrine, *see* E-00021
▷Fanzil, *see* S-00193
▷F-ara AMP-2, *in* F-00142
▷Faragynol, *in* D-00223
Farcinicin, *see* A-00477
Farial, *see* I-00050
▷Faringets active substance, *in* B-00116
▷Farmacoccid, *see* D-00187
Farmatest, *in* H-00111
▷Farmiblastina, *see* A-00080
Farmidril, *in* L-00016
▷Farmintic, *see* M-00199
Farmiserina, *see* A-00277
▷Farmocaine, *in* A-00216
▷Farmodent, *in* A-00216
Farnesylcarboxylic acid, *see* T-00513
Farnesyl farnesylcarboxylate, *in* T-00513
Farnoquinone, *in* V-00065
Fasciolid, *in* H-00142
▷Fasigyne, *see* T-00293
Fasinex, *see* T-00446
▷Fast acid blue RH, *in* A-00379
▷Fastin, *in* P-00193
▷Fast wool blue *B*, *in* A-00379
▷Fazadan, *in* F-00019
Fazadinium(2+), F-00019
▷Fazadinium bromide, *in* F-00019
▷Fazadon, *in* F-00019
Fazarabine, F-00020
▷Fazol, *in* I-00183
FBA 1464, *see* G-00099
▷FBA 1500, *see* M-00069
▷FB a4059, *see* B-00328
▷FBA 4503, *in* P-00505
FBb 6896, *see* C-00420
▷FC 3001, *see* B-00099
FC 379, *see* P-00499
▷FC 612, *see* B-00056
FC 1157a, *see* T-00388
▷FCB, *in* F-00174
FCE 20124, *in* R-00018
FCE 21336, *in* C-00002
FCI, *see* C-00436
FCR 1272, *see* C-00642
▷FDC, *see* O-00008
▷FDC red No. 3, *see* E-00118
▷Febantel, F-00021
▷Febarbamate, F-00022
▷Febichol, *see* P-00194
Febramine, *in* C-00186
Febrifugine, F-00023
▷Febuprol, *see* B-00423
Febuverine, F-00024
Feclemine, F-00025
Feclobuzone, F-00026
Feclozona, *see* F-00026
▷Fedan, *see* O-00034
▷Fedibaretta, *see* D-00253
Fedrilate, F-00027
▷Felbamate, *in* P-00200
Felbinac, *see* B-00176
▷Feldene, *see* P-00351
Feldene (obsol.), *in* F-00207
▷Felicyl, *see* T-00342

Feline Gastrin, *in* G-00012
Felipyrine, *see* P-00199
Felodipine, F-00028
▷Felotrast, *see* P-00160
▷Felumin, *in* E-00118
Felypressin, F-00029
▷Femigen, *in* M-00138
▷Feminone, *see* E-00231
Femolone, *in* H-00111
Femoxetine, F-00030
Femstat, *in* B-00410
▷Femulen, *in* E-00227
▷Femulen, *in* E-00227
Fenabutene, *in* M-00298
▷Fenacaine, *see* P-00135
Fenacetinol, *in* E-00161
▷Fenacillin, *see* P-00171
▷Fenaclon, F-00031
▷Fenadiazole, *see* H-00192
Fenadoxone, *see* P-00138
Fenaftic acid, F-00032
▷Fenakon, *see* F-00031
▷Fenalamide, F-00033
Fenalcomine, F-00034
Fenamate, *in* A-00218
Fenamet, *see* P-00142
Fenamidofuril, *see* F-00035
Fenamifuril, F-00035
Fenamisal, *in* A-00264
Fenamole, *see* A-00313
▷Fenampromide, *see* P-00143
▷Fenantoin, *see* D-00493
▷Fenaperone, F-00036
▷Fenasprate, *see* B-00057
▷Fenazol, *see* U-00002
Fenazox, *in* A-00218
▷Fenazoxine, *see* N-00063
▷Fenbendazole, F-00037
Fenbenicillin, *see* P-00148
Fenbrac, *in* F-00042
▷Fenbufen, *see* B-00181
▷Fenbutrazate, *see* P-00149
▷Fencamfamin, F-00038
▷Fencarbamide, *see* P-00150
▷Fenchlorphos, F-00039
Fencibutirol, F-00040
Fenclexonium(1+), F-00041
Fenclexonium metilsulfate, *in* F-00041
▷Fenclofenac, *see* D-00199
▷Fenclofos, *see* F-00039
▷Fenclonine, *in* A-00226
▷Fenclorac, F-00042
Fenclozate, *in* F-00043
▷Fenclozic acid, F-00043
▷Fenclozin, *see* F-00043
Fencumar, *see* P-00174
Fendilar, *in* F-00044
▷Fendiline, F-00044
▷Fendosal, F-00045
▷Feneketilium, *in* F-00081
▷Fenelzine, *see* P-00189
▷Fenemal, *see* E-00218
Feneritrol, F-00046
▷Fenestil, *in* D-00391
▷Fenestrel, *see* E-00205
Fenetamin, *see* F-00025
▷Fenethazine, *see* D-00412
Fenethicillin, *see* P-00152
Fenethylline, F-00047
▷Fenethylline hydrochloride, *in* F-00047
Fenetradil, F-00048
Fenetylline, *see* F-00047
Fenflumizole, F-00049
▷Fenfluramine, F-00050
▷Fenfluramine hydrochloride, *in* F-00050
Fenfluthrin, F-00051
▷Fenformin, *see* P-00154
Fengabine, F-00052
▷Fenharmane, *see* B-00130
Fenibut, *in* A-00303
Fenicort, *in* P-00412
▷Fenidrone, *see* H-00195
Fenigam, *in* A-00303
▷Fenilor, *see* D-00167
▷Fenimide, F-00053
▷Fenint, *see* I-00068
Feniodium(1+), F-00054
▷Feniodium chloride, *in* F-00054
▷Fenipentol, *see* P-00194
▷Feniramine, *see* P-00157
Fenirofibrate, F-00055
▷Fenisorex, F-00056
Fenisoxine, *in* B-00087
▷Fenitoin, *see* D-00493
▷Fenitrothion, F-00057
Fenkarol, *see* Q-00006
Fenmetozole, F-00058
▷Fenmetozole hydrochloride, *in* F-00058
Fenmetramide, *see* M-00291
▷Fenmetrazine, *in* M-00290
▷Fennosan B-100, *in* T-00135
Fenobam, F-00059
▷Fenobarbital, *see* E-00218
▷Fenobrate, *in* F-00062
Fenocinol, F-00060
Fenoctimine, F-00061
Fenoctimine sulfate, *in* F-00061
Fenocycline, *see* D-00570
Fenocylin, *see* D-00570
▷Fenofibrate, *in* F-00062
▷Fenofibric acid, F-00062
Fenolactine, *in* H-00207
Fenoldopam, F-00063
Fenoldopam mesylate, *in* F-00063
▷Fenolipuna, *see* P-00163
Fenoperidine, *see* P-00165
Fenopraine, *in* P-00486
Fenoprex, *in* P-00172
Fenoprofen, *see* P-00172
Fenoprofen calcium, *in* P-00172
Fenopron, *in* P-00172
▷Fenorex, *in* F-00073
Fenosept, *in* H-00191
▷Fenospen, *see* P-00171
▷Fenostil, *in* D-00391
▷Fenoterol, F-00064
Fenoverine, F-00065
▷Fenox, *in* A-00272
Fenoxazoline, F-00066
Fenoxedil, F-00067
▷Fenoxipropazinum, *in* M-00282
▷Fenoxypen, *see* P-00171
Fenoxypropazine, *see* M-00282
▷Fenoxypropazine maleate, *in* M-00282
▷Fenozolone, *see* E-00174
▷Fenpentadiol, *see* C-00270
Fenperate, F-00068
Fenpidon, *see* D-00509
▷Fenpipalone, F-00069
▷Fenpipramide, F-00070
Fenpipramide methylbromide, *in* F-00070
Fenpiprane, F-00071
Fenpiverinium bromide, *in* F-00070
Fenprin, *in* M-00379
Fenprinast, F-00072
Fenprinast hydrochloride, *in* F-00072
Fenpropamine, *see* E-00184
Fenproporex, F-00073
Fenprostalene, F-00074
Fenpyramine hydrochloride, *in* M-00379
Fenquizone, F-00075
Fenretinide, *see* H-00197

Fensedyl, *see* O-00094
▷Fensidnimine, *see* M-00133
▷Fenspiride, F-00076
▷Fenspiride hydrochloride, *in* F-00076
▷Fensuximide, *see* M-00294
▷Fentanyl, F-00077
▷Fentanyl citrate, *in* F-00077
Fentatienil, *see* S-00177
▷Fenthion, F-00078
Fenthion sulfone, *in* F-00078
Fenthion sulfoxide, *in* F-00078
Fentiapril, *see* R-00022
▷Fentiazac, F-00079
▷Fenticlor, *see* T-00194
▷Fenticonazole, F-00080
Fenticonazole nitrate, *in* F-00080
▷Fentolamine, *see* P-00175
Fentonium(1+), F-00081
▷Fentonium bromide, *in* F-00081
▷Fentrinol, *in* A-00191
Fentropilium, *see* X-00011
Fenucil, *see* P-00209
▷Fenyracilline, *in* B-00126
▷Fenyramidol, *see* P-00211
Fenyripol, F-00082
▷Fenyripol hydrochloride, *in* F-00082
▷Fenytoine, *see* D-00493
▷Feosol, *see* F-00094
▷Feostat, *in* F-00274
▷Feparil, *in* O-00036
Fepentolic acid, *see* H-00139
Fepitrizol, F-00083
Fepradinol, F-00084
▷Feprazone, *see* M-00235
Fepromide, F-00085
Fepron, *in* P-00172
Feprosidnine, F-00086
▷FER 1443, *see* C-00216
▷Fergon, *see* F-00093
Fermalox, *in* M-00008
▷Fernasan, *see* T-00149
▷Fernex, *see* P-00329
▷Fernide, *see* T-00149
▷Ferric chloride, F-00087
Ferric fructose, F-00088
Ferriclate calcium sodium, F-00089
Ferritose, *in* F-00088
▷Ferrocap, *in* F-00274
2-Ferrocenoylbenzoic acid, F-00090
o-Ferrocenylcarbonylbenzoic acid, *see* F-00090
Ferroceron, *see* F-00090
▷Ferrochelate, *in* C-00308
▷Ferrocholinate, *in* C-00308
▷Ferrocholine, *in* C-00308
▷Ferrose, *see* F-00093
Ferrothreon, *see* F-00091
Ferrotrenine, F-00091
Ferrotseron, *see* F-00090
Ferrous citrate, F-00092
▷Ferrous fumarate, *in* F-00274
▷Ferrous gluconate, F-00093
▷Ferrous sulfate, F-00094
Ferruginol, F-00095
Ferrutope, *in* F-00092
▷Fertilvit, *in* T-00335
Fertirelin, F-00096
▷Fervenulin, *see* D-00452
Fetoxilate, *in* D-00265
Fetoxylate, *in* D-00265
Fetoxylate hydrochloride, *in* D-00265
Fevarin, *in* F-00234
Fexicaine, F-00097
▷Feximac, *see* B-00350
Fexinidazole, F-00098
Fezatione, F-00099
Fezolamine, F-00100
Fezolamine fumarate, *in* F-00100
▷FF 149, *in* I-00183
Fg 4963, *in* F-00030
▷FG 5111, *in* M-00083
▷FGA, *in* F-00150
▷FH 049*E*, *in* D-00265
▷FHD 3, *see* B-00320
Fherbolico, *in* H-00185
▷FI 106, *see* A-00080
▷FI 1163, *see* L-00112
FI 302, *see* M-00270
▷FI 5631, *see* M-00190
FI 5852, *see* O-00072
▷FI 5978, *see* S-00198
▷FI 6120, *see* T-00516
▷FI 6225, *see* E-00024
▷FI 6229, *see* C-00578
▷FI 6337, *see* M-00159
▷FI 6341, *see* F-00246
▷FI 6426, *see* D-00539
▷FI 6654, *see* C-00091
▷FI 6820, *see* B-00280
FI 693, *see* C-00005
FI 6927, *in* P-00302
FIAC, *see* F-00101
Fiacitabine, F-00101
Fiblaferon, *in* I-00079
▷Fibocil, *in* A-00429
▷Fiboran, *in* A-00429
Fibracillin, F-00102
▷Fibrafit, *see* S-00074
Fibrafyllin, *in* A-00011
Fibrapen, *see* F-00102
Fibrinase, *see* P-00370
Fibrinogen, F-00103
Fibrinolysin, *see* P-00370
Fibrin-stabilising factor, *see* F-00007
▷Fibritamine, *see* N-00100
Fibroblast growth factor, F-00104
Fibroblast interferon, *in* I-00079
Fibrogammin, *see* F-00007
▷Fibrogenina, *in* T-00144
▷Fibrotan, *see* H-00094
▷Ficam, *see* B-00046
▷Filair, *in* T-00084
▷Filarabits, *in* D-00248
Filarsen, *see* A-00270
Fildesin, *in* V-00032
Filenadol, F-00105
Filicinic acid, *see* D-00427
▷Filipin, F-00106
Filipin I, *in* F-00106
Filipin II, *in* F-00106
▷Filipin III, *in* F-00106
Filipin IV, *in* F-00106
▷Filmarisin, *see* F-00106
▷Filon, *in* M-00290
Filtrosol *A*, *see* T-00507
▷Finacilen, *see* V-00042
Finacillin, *see* A-00520
Finadyne, *in* F-00169
Finaject, *in* T-00410
Finaplix, *in* T-00410
▷Finaten, *in* F-00240
▷Finedal, *see* C-00435
▷Fiobrol, *in* C-00303
Fipexide, F-00107
Fipexium, *in* F-00107
▷Fisalamine, *see* A-00266
Fisbren, *see* B-00139
Fisiobil, *in* D-00400
▷Fisiodar, *in* D-00309
▷Fisostin, *in* E-00122
Fisostina, *in* F-00282
FK 027, *see* C-00129
▷FK 1080, *in* T-00485

▷FK 1160, *in* T-00245
▷FK 1190, *in* P-00346
FK 156, *see* A-00406
FK 506, F-00108
FK 644, *see* D-00401
▷FK 749, *in* C-00158
FL 1039, *see* P-00366
▷FL 1060, *see* M-00042
FL113, *in* H-00144
FLA 136, *see* N-00056
FLA 336, *see* A-00193
FLA 731, *see* R-00021
FLA 870, *in* R-00002
▷Flagecidin, *see* A-00395
Flagentyl, *see* H-00208
▷Flagodin, *see* I-00068
▷Flagyl, *see* M-00344
Flagyl S, *in* M-00344
Flaianina, *see* D-00365
▷Flamanil, *see* P-00249
▷Flamarion, *see* A-00013
▷Flamazine, *in* S-00237
Flamenol, *in* B-00076
▷Flamilon, *see* S-00283
▷Flamycin, *see* C-00195
▷Flavacrin, *in* A-00205
▷Flavamine, F-00109
3,3′,4,4′,5,7-Flavanhexol, *see* H-00054
▷Flavaxin, *see* R-00038
Flaveric, *in* B-00061
▷Flavicin, *see* P-00043
▷Flavinadenine dinucleotide, *in* R-00038
▷Flavin mononucleotide, *in* R-00038
Flavodic acid, *in* D-00326
Flavodilol, F-00110
Flavodilol maleate, *in* F-00110
Flavomycin, *in* M-00418
Flavone-8-acetic acid, *see* O-00136
▷Flavoquine, *in* A-00353
Flavotin, F-00111
Flavoxate, F-00112
▷Flavoxate hydrochloride, *in* F-00112
▷Flavugal, *see* B-00218
▷Flaxedil, *in* G-00004
Flazalone, F-00113
FLB 131, *see* E-00233
▷Flebocortid P 1000, *in* C-00548
Flebopom, *in* S-00128
Fleboxil, *see* M-00464
Flecaine, *in* F-00114
Flecainide, F-00114
Flecainide acetate, *in* F-00114
Flectar, *in* B-00179
Flegmasil, *see* N-00022
▷Flenac, *see* D-00199
Flerobuterol, F-00115
Fleroxacin, F-00116
Flesinoxan, F-00117
Flestolol, *in* D-00352
Flestolol sulfate, *in* D-00352
Fletazepam, F-00118
▷Flexeril, *in* C-00597
▷Flexiban, *in* C-00597
Flexicort, *in* C-00548
▷Flexin, *see* A-00225
▷Flocillin, *in* P-00447
▷Floctafenine, F-00119
▷Flogar, *see* O-00082
▷Flogencyl, *in* O-00036
▷Flogene, *see* F-00079
Flogobron, *in* O-00130
Flogomen, *see* F-00026
▷Floktin, *see* F-00119
Flolan, *in* P-00528
Flomoxef, F-00120
Flonatril, *see* C-00495
▷Flopropione, *see* T-00479
Florantiron, *see* F-00121
Florantyrone, F-00121
▷Floraquin, *see* D-00364
Flordipine, F-00122
Floredil, F-00123
Florenal, *in* D-00479
▷Floretione, *see* E-00191
Florfenicol, F-00124
▷Florifenine, F-00125
▷Florimycin, *see* V-00050
▷Florinef, *see* F-00147
▷Florinef acetate, *in* F-00147
▷Florispec, *see* E-00074
Florone, *in* D-00267
▷Floropipamide, *see* P-00274
▷Floropipamide hydrochloride, JAN, *in* P-00274
▷Floropipetone, *see* P-00518
▷Floropryl, *see* D-00368
Flosequinan, *see* F-00188
▷Flosin, *see* I-00068
▷Flosint, *see* I-00068
▷Flosyn, *see* I-00068
Flotrenizine, F-00126
▷Flou, *in* P-00545
Floverine, *see* D-00399
▷Floveton, *see* T-00479
Floxacillin, *see* F-00139
Floxacillin magnesium, *in* F-00139
Floxacrine, F-00127
▷Floxamine, *see* P-00210
Floxan, *in* L-00085
Floxapen, *see* F-00139
Floxicam, *see* I-00217
▷Floxuridine, *see* D-00079
Floxyfral, *in* F-00234
▷Flozim, *see* I-00068
▷Fluacizine, F-00128
▷Flualamide, F-00129
▷Fluamine, *see* D-00432
▷Fluanisone, F-00130
Fluanxol, *in* F-00198
Fluanxol-Depot, *in* F-00198
▷Fluazacort, F-00131
▷Fluazacortenol acetate, *see* F-00131
▷Fluazide, *see* I-00103
Flubanilate, F-00132
Flubanilate hydrochloride, *in* F-00132
▷Flubason, *see* D-00102
▷Flubendazole, F-00133
▷Flubenisolone disodium phosphate, *in* B-00141
▷Flubenisolone valerate, *in* B-00141
▷Flubenol, *see* F-00133
Flubepride, F-00134
▷Flubuperone, *in* M-00083
Flucarbril, *see* M-00314
Flucetorex, F-00135
Flucindole, F-00136
▷Flucinom, *see* F-00224
Fluciprazine, F-00137
Fluclorolone acetonide, F-00138
Flucloronide, *see* F-00138
Flucloxacillin, F-00139
Fluconazole, F-00140
▷Flucort, *see* F-00156
Flucrilate, *see* F-00141
Flucrylate, F-00141
▷Flucytosine, *see* F-00183
Fludalanine, *in* A-00258
Fludarabine, F-00142
▷Fludarabine phosphate, *in* F-00142
Fludarene, *in* O-00125
▷Fludazin, *see* M-00377
Fludazonium(1+), F-00143
Fludazonium chloride, *in* F-00143
▷Fludemil, *see* F-00157

▷Fluderma, *see* F-00246
▷Fludestrin, *see* T-00100
▷Fludex, *see* I-00052
▷Fludiazepam, F-00144
▷Fludorex, F-00145
▷Fludoxopone, F-00146
▷Fludrocortisone, F-00147
▷Fludrocortisone acetate, *in* F-00147
▷Fludrocortone, *see* F-00147
▷Fludrocortone, *in* F-00147
▷Fludrone, *see* F-00147
▷Fludroxycortide, *see* F-00215
▷Flufenamic acid, F-00148
▷Flufenazine, *see* F-00202
Flufenisal, *in* F-00185
Flufenone, *see* P-00433
▷Fluformilone, *see* F-00246
Flufosal, *see* P-00218
Flufylline, F-00149
Flugestone, F-00150
▷Flugestone acetate, *in* F-00150
▷Fluidane, *see* B-00313
Fluidasa, *in* M-00108
▷Fluidemin, *see* B-00313
▷Fluidemol, *see* B-00313
▷Fluidil, *see* C-00639
▷Fluindarol, *see* T-00467
▷Fluindione, *see* F-00189
▷Flukanide, *see* R-00003
Flu-Korti, *in* F-00201
Flumalol, F-00151
Flumark, *see* E-00060
▷Flumazenil, F-00152
▷Flumazepil, *see* F-00152
▷Flumecinol, F-00153
Flumedroxone, F-00154
Flumedroxone acetate, *in* F-00154
Flumefinine, *see* F-00113
▷Flumeprednisolone, *in* D-00111
Flumequine, F-00155
▷Flumetasone, *see* F-00156
Flumetasone acetate, *in* F-00156
▷Flumethasone, F-00156
Flumethasone acetate, *in* F-00156
Flumethasone pivalate, *in* F-00156
▷Flumethiazide, F-00157
Flumethrin, F-00158
Flumetramide, F-00159
▷Flumexadol, F-00160
Flumezapine, F-00161
Fluminorex, F-00162
Flumizole, *see* B-00229
▷Flumoperone, *see* T-00468
▷Flumoxal, *see* F-00133
▷Flumoxane, *see* F-00133
Flumoxonide, F-00163
Flumural, *see* F-00155
Flunamine, F-00164
▷Flunarizine hydrochloride, *in* F-00165
Flunarizine, F-00165
Flunidazole, F-00166
Flunisolide acetate, *in* F-00167
▷Flunisolide, F-00167
▷Flunitrazepam, F-00168
Flunixin, F-00169
Flunixin meglumine, *in* F-00169
Flunoprost, F-00170
▷Flunoxaprofen, F-00171
Fluochol, *see* F-00121
▷Fluocinolide, *see* F-00173
▷Fluocinolone, F-00172
▷Fluocinolone acetonide, *in* F-00172
▷Fluocinolone acetonide acetate, *see* F-00173
Fluocinolone acetonide 21-cyclopropyl carboxylate, *see* C-00388
Fluocinolone acetonide 21-propionate, *see* P-00452
▷Fluocinonide, F-00173
Fluocortin, F-00174
▷Fluocortin butyl, *in* F-00174
▷Fluocortisol, *see* F-00147
▷Fluocortolone, F-00175
Fluocortolone caproate, *in* F-00175
Fluocortolone-21-carboxylic acid, *see* F-00174
Fluocortolone pivalate, *in* F-00175
▷Fluocytosine, *see* F-00183
▷Fluohydrisone, *see* F-00147
▷Fluonid, *in* F-00172
Fluonid Orion, *see* L-00076
Fluonilid, *see* L-00076
▷Fluopromazine, F-00176
▷Fluopsin C, F-00177
▷Fluoracizine, *see* F-00128
▷Fluoral, *in* S-00087
Fluorenemethanol, F-00178
4-(9*H*-Fluoren-9-ylidenemethyl)benzenecarboximidamide, *see* P-00026
α-Fluoren-9-ylidene-*p*-toluamidine, *see* P-00026
2-(2-Fluorenyl)propanoic acid, F-00179
▷Fluorescein, F-00180
Fluorescein dilaurate, *in* F-00180
▷Fluorescein sodium, *in* F-00180
▷Fluoresone, *see* E-00191
Fluorexon, *see* O-00033
3-Fluoroalanine, *see* A-00258
▷Fluoroancitabine, *see* F-00219
β-Fluoroasparagine, *in* A-00257
3-Fluoroaspartic acid, *see* A-00257
β-Fluoroaspartic acid, *see* A-00257
4-Fluorobenzenesulfonic acid, F-00181
4-Fluorobenzenesulfonic acid 2-[(methoxycarbonyl)amino]-1*H*-benzimidazol-5-yl ester, *see* L-00119
3-[2-[4-(6-Fluoro-1,2-benzisoxazol-3-yl)-1-piperidinyl]-ethyl]-6,7,8,9-tetrahydro-2-methyl-4*H*-pyrido[1,2-*a*]-pyrimid-4-one, *see* R-00063
1-[1-[3-(6-Fluoro-1,2-benzisoxazol-3-yl)propyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* N-00062
7-[2-[4-(*p*-Fluorobenzoyl)piperidino]ethyl]theophylline, *see* F-00149
▷7-[3-[4-(*p*-Fluorobenzoyl)piperidinopropyl]]theophylline, *see* F-00210
7-[4-[4-(4-Fluorobenzoyl)-1-piperidinyl]butyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* P-00117
3-[4-[4-(4-Fluorobenzoyl)-1-piperidinyl]butyl]-2,4(1*H*,3*H*)-quinazolinedione, *see* B-00392
7-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* F-00149
6-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,3-dihydro-7-methyl-5*H*-thiazolo[3,2-*a*]pyrimidin-5-one, *see* S-00058
3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,3-dihydro-2-thioxo-4(1*H*)-quinazolinone, *see* A-00153
3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,7-dimethyl-4*H*-pyrido[1,2-*a*]pyrimidin-4-one, *see* M-00342
3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2-methyl-4*H*-pyrido[1,2-*a*]pyrimidin-4-one, *see* P-00320
3-[2-[4-(4-Fluorobenzoyl)piperidinyl]ethyl]quinazoline-2,4-(1*H*,3*H*)-dione, *see* K-00010
4-[4-(4-Fluorobenzoyl)-1-piperidinyl]-1-(4-fluorophenyl)-1-butanone, *see* L-00024
1-[3-[4-(4-Fluorobenzoyl)-1-piperidinyl]propyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* D-00039
▷7-[3-[4-(4-Fluorobenzoyl)-1-piperidinyl]propyl]-3,7-dihydro-1,3-dimethyl-1*H*-purine-2,6-dione, *see* F-00210
▷8-[3-(*p*-Fluorobenzoyl)propyl]-2-methyl-2,8-diazaspiro[4.5]-decane-1,3-dione, *see* R-00102
N-[[1-[3-(*p*-Fluorobenzoyl)propyl]-4-phenyl-4-piperidyl]-methyl]acetamide, *see* A-00014
▷8-[3-(4-Fluorobenzoyl)propyl]-1-phenyl-1,3,8-triazaspiro[4.5]-decan-4-one, *see* S-00115
3-[4-[3-(4-Fluorobenzoyl)propyl]-1-piperazinyl]isoquinoline, *see* C-00384

▷1-[3-(4-Fluorobenzoyl)propyl]-4-piperidino-4-propionylpiperidine, *see* P-00518
▷1-[1-3-(*p*-Fluorobenzoyl)propyl-1,2,3,6-tetrahydro-4-pyridiyl]-benzimidazolinone, *see* D-00608
9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine, F-00182
N-[[1-(*p*-Fluorobenzyl)-2-pyrrolidinyl]methyl]-5-sulfamoyl-*o*-anisamide, *see* F-00134
▷2-(2-Fluoro-4-biphenyl)propionic acid, *see* F-00218
(2′-Fluoro-4-biphenylyl)acetylene, *see* E-00230
2-(3′-Fluorobiphenyl-4-yl)propionic acid, *see* F-00209
8-Fluoro-α,5-bis(5-fluorophenyl)-1,3,4,5-tetrahydro-2*H*-pyrido[4,3-*b*]indole-2-butanol, *see* F-00232
9α-Fluorocortisone, *in* F-00184
▷5-Fluorocytosine, F-00183
2-[(8-Fluorodibenz[*b*,*f*]oxepin-10-yl)thio]-*N*-methylethanamine, *see* F-00214
9-Fluoro-1′,4′-dihydro-11β,21-dihydroxy-2′-β*H*-naphtho[2′,3′:16,17]pregna-1,4-diene-3,20-dione, *see* N-00018
9-Fluoro-6,7-dihydro-5,8-dimethyl-1-oxo-1*H*,5*H*-benzo[*ij*]-quinolizine-2-carboxylic acid, *see* I-00002
6-Fluoro-1,4-dihydro-1-(methylamino)-7-(4-methyl-1-piperazinyl)-4-oxo-3-quinolinecarboxylic acid, *see* A-00195
4-[3-Fluoro-10,11-dihydro-8-(1-methylethyl)dibenzo[*b*,*f*]-thiepin-10-yl]-1-piperazineethanol, *see* I-00187
9-Fluoro-2,3-dihydro-3-methyl-10-(4-methyl-1-piperazinyl)-7-oxo-7*H*-pyrido[1,2,3-*de*]-1,4-benzoxazine-6-carboxylic acid, *see* O-00032
9-Fluoro-6,7-dihydro-5-methyl-1-oxo-1*H*,5*H*-benzo[*ij*]-quinolizine-2-carboxylic acid, *see* F-00155
9-Fluoro-2,3-dihydro-10-(4-methyl-1-piperazinyl)-7-oxo-7*H*-pyrido[1,2,3-*de*]-1,4-benzothiazine-6-carboxylic acid, *see* R-00104
▷7-Fluoro-3,4-dihydro-1-phenyl-1*H*-2-benzopyran-3-methanamine, *see* F-00056
6-Fluoro-2,3-dihydrospiro[4*H*-1-benzopyran-4,4′-imidazolidine]-2′,5′-dione, *see* S-00104
9α-Fluoro-11β,21-dihydroxy-16α,17-dimethylpregna-1,4-diene-3,20-dione, *see* D-00386
9-Fluoro-11,17-dihydroxy-17-(2-hydroxy-1-oxopropyl)-androsta-1,4-dien-3-one, *see* F-00201
9-Fluoro-11,21-dihydroxy-16,17-isopropylidenedioxy-5-pregnane-3,20-dione, *see* D-00604
▷9α-Fluoro-11β,17β-dihydroxy-17α-methyl-4-androsten-3-one, *see* F-00195
▷6α-Fluoro-11β,21-dihydroxy-16α,17-[(1-methylethylidene)-bis-(oxy)]-1,4-pregnadiene-3,20-dione, *see* F-00167
9-Fluoro-11,21-dihydroxy-16,17-[(1-methylethylidene)-bis-(oxy)]pregnane-3,20-dione, *see* D-00604
▷6α-Fluoro-11β,21-dihydroxy-16α,17α-[(1-methylethylidene)-bis-(oxy)]-4-pregnene-3,20-dione, *see* F-00215
▷6α-Fluoro-11β,21-dihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione, *see* F-00175
9α-Fluoro-11β,17α-dihydroxy-6α-methyl-1,4-pregnadiene-3,20-dione, *see* F-00186
9-Fluoro-11β,17-dihydroxy-16β-methylpregna-1,4-diene-3,20-dione, *see* D-00597
▷9-Fluoro-11,21-dihydroxy-16-methylpregna-1,4-diene-3,20-dione, *see* D-00102
▷9-Fluoro-11β,21-dihydroxy-2′-methyl-5′β*H*-pregna-1,4-dieno[16,17-*d*]oxazole-3,20-dione, *see* F-00131
9-Fluoro-11,21-dihydroxy-16,17-[(1-phenylethylidene)-bis-(oxy)]pregna-1,4-diene-3,20-dione, *see* A-00176
9α-Fluoro-11β,17α-dihydroxy-4-pregnene-3,20-dione, *see* F-00150
9-Fluoro-17,21-dihydroxy-4-pregnene-3,11,20-trione, F-00184
8-(2-Fluoroethyl)-3-[(hydroxydiphenylacetyl)oxy]-8-methyl-8-azoniabicyclo[3.2.1]octane, *see* F-00233
4′-Fluoro-4-(4-(*p*-fluorobenzoyl)piperidino]butyrophenone, *see* L-00024
6-Fluoro-2-(2′-fluoro[1,1′-biphenyl]-4-yl)-3-methyl-4-quinolinecarboxylic acid, *see* B-00269
Fluorogestone, *see* F-00150
10-Fluoro-1,2,3,4,4*a*,5-hexahydro-3-methyl-7-(2-thienyl)-pyrazino[1,2-*a*][1,4]benzodiazepine, *see* T-00283
4′-Fluoro-4-(hexahydropyrrolo[1,2-*a*]pyrazin-2(1*H*)-yl)-butyrophenone, *see* A-00492
5-Fluoro-*N*-hexyl-3,4-dihydro-2,4-dioxo-1(2*H*)-pyrimidinecarboxamide, *see* C-00082
▷9α-Fluorohydrocortisone, *see* F-00147
4′-Fluoro-4-hydroxy-3-biphenylcarboxylic acid, F-00185
7-[5-Fluoro-3-hydroxy-2-(3-hydroxy-4-phenoxy-1-butenyl)-cyclopentyl]-5-heptenoic acid, *see* F-00170
▷6α-Fluoro-11β-hydroxy-16α-methyl-3,20-dioxopregna-1,4-dien-21-oic acid butyl ester, *in* F-00174
3-Fluoro-4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-benzenepropanoic acid ethyl ester, *see* F-00151
▷4′-Fluoro-4-(4-hydroxypiperidino)butyrophenone isopropylcarbamate, *see* C-00093
4′-Fluoro-4-(4-hydroxy-4-*p*-tolylpiperidino)butyrophenone, *see* M-00432
▷4′-Fluoro-4-[4-hydroxy-4-(α,α,α-trifluoro-*m*-tolyl)-piperidino]-butyrophenone, *see* T-00468
2′-Fluoro-5-iodoaracytosine, *see* F-00101
▷Fluoromar, *see* T-00464
▷4′-Fluoromebendazole, *see* F-00133
Fluorometholone, F-00186
Fluorometholone acetate, *in* F-00186
Fluoromethotrexate, F-00187
4′-Fluoro-4-[4-(6-methoxy-2-methylindol-3-yl)piperidino]-butyrophenone, *see* M-00384
4′-Fluoro-4-[4-[2-[(*p*-methoxy-α-phenylbenzyl)oxy]ethyl]-piperazinyl]butyrophenone, *see* M-00412
N-[1-(5-Fluoro-2-methoxyphenyl)ethyl]-4-[[[5-(2-methylpropyl)-2-pyrimidinyl]amino]sulfonyl]benzeneacetamide, *see* G-00040
▷4′-Fluoro-4-[4-(*o*-methoxyphenyl)-1-piperazinyl]butyrophenone, *see* F-00130
▷2-Fluoro-α-methyl-(1,1′-biphenyl)-4-acetic acid, *see* F-00218
3′-Fluoro-α-methyl[1,1′-biphenyl]-4-acetic acid, *see* F-00209
Fluoromethyl 6,9-difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate, *see* F-00227
7-Fluoro-2-methyl-4-(4-methyl-1-piperazinyl)-10*H*-thieno[2,3-*b*][1,5]benzodiazepine, *see* F-00161
▷5-Fluoro-2-methyl-1-[[4-(methylsulfinyl)phenyl]methylene]-1*H*-indene-3-acetic acid, *see* S-00225
7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, F-00188
N-(5-Fluoro-2-methylphenyl)-4,5-dihydro-1*H*-imidazol-2-amine, *see* F-00230
3-Fluoro-6-(4-methyl-1-piperazinyl)-11*H*-dibenz[*b*,*e*]azepine, *see* F-00200
3-Fluoro-6-(4-methyl-1-piperazinyl)morphanthridine, *see* F-00200
4′-Fluoro-4-(4-methylpiperidino)butyrophenone, *see* M-00083
▷9α-Fluoro-16α-methylprednisolone, *see* D-00111
Fluoromethyl 2,2,2-trifluoro-1-(trifluoromethyl)ethyl ether, *see* H-00047
Fluoro-4-(octahydro-4-hydroxy-1(2*H*)-quinolyl)-butyrophenone carbamate, *see* C-00324
Fluoroperlapine, *see* F-00200
Fluorophene, *see* F-00191
8-[3-(4-Fluorophenoxy)propyl]-1-phenyl-1,3,8-triazaspiro[4,5]-decan-4-one, *see* S-00117
1-[2-[4-[3-(4-Fluorophenyl)-2,3-dihydro-1*H*-inden-1-yl]-1-piperazinyl]ethyl]-2-imidazolidinone, *see* I-00170
N-[[5-(2-Fluorophenyl)-2,3-dihydro-1-methyl-1*H*-1,4-benzodiazepin-2-yl]methyl]-3-thiophenecarboxamide, *see* T-00265
▷5-(2-Fluorophenyl)-1,3-dihydro-1-methyl-7-nitro-2*H*-1,4-benzodiazepin-2-one, *see* F-00168
3-[4-(4-Fluorophenyl)-3,6-dihydro-1(2*H*)-pyridinyl]-1-[1-(2-hydroxyethyl)-5-methyl-1*H*-pyrazol-4-yl]-1-propanone, *see* F-00205
4-[3-(4-Fluorophenyl)-2,3-dihydro-6-(trifluoromethyl)-1-inden-1-yl-1-piperazineethanol, *see* T-00053
4-(2-Fluorophenyl)-6,8-dihydro-1,3,8-trimethylpyrazolo[3,4-*e*][1,4]diazepin-7(1*H*)-one, *see* Z-00028

1-[4-[2-[2-(4-Fluorophenyl)ethoxy]ethoxy]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, *see* F-00221
1-(*p*-Fluorophenyl)-6-fluoro-7-(4-methyl-1-piperazinyl)-1,4-dihydro-4-oxoquinoline-3-carboxylic acid, *see* D-00268
(4-Fluorophenyl)[4-(4-fluorophenyl)-4-hydroxy-1-methyl-3-piperidinyl]methanone, *see* F-00113
1-(4-Fluorophenyl)-8-[4-(4-fluorophenyl)-4-oxobutyl]-1,3,8-triazaspiro[4.5]decan-4-one, *see* F-00222
1-(4-Fluorophenyl)-4-(3,4,6,7,12,12*a*-hexahydropyrazino[1′,2′:1,6]pyrido[3,4-*b*]indol-2(1*H*)-yl)-1-butanone, *see* B-00183
1-(4-Fluorophenyl)-4-(hexahydropyrrolo[1,2-*a*]pyrazin-2(1*H*)-yl)-1-butanone, *see* A-00492
5-(4-Fluorophenyl)-2-hydroxybenzoic acid, *see* F-00185
1-(4-Fluorophenyl)-4-[4-hydroxy-4-(4-methylphenyl)-1-piperidinyl]-1-butanone, *see* M-00432
▷1-(4-Fluorophenyl)-4-[4-hydroxy-4-(3-trifluoromethyl)-phenyl]-1-piperidinyl-1-butanone, *see* T-00468
▷2-(4-Fluorophenyl)-1,3-indanedione, F-00189
▷2-(4-Fluorophenyl)-1*H*-inden-1,3(2*H*)dione, *see* F-00189
4-(*p*-Fluorophenyl)-1-isopropyl-7-methyl-2(1*H*)quinazolinone, *see* F-00211
1-(4-Fluorophenyl)-4-[4-(3-isoquinolinyl)-1-piperazinyl]-1-butanone, *see* C-00384
1-(4-Fluorophenyl)-4-[4-(6-methoxy-2-methyl-1*H*-indol-3-yl)-1-piperidinyl]-1-butanone, *see* M-00384
1-(4-Fluorophenyl)-4-[4-[2-[(4-methoxyphenyl)-phenylmethoxy]ethyl]-1-piperazinyl]-1-butanone, *see* M-00412
α-(4-Fluorophenyl-4-(2-methoxyphenyl)-1-piperazinebutanol, *see* A-00396
▷1-(4-Fluorophenyl)-4-[4-(2-methoxyphenyl)-1-piperazinyl]-1-butanone, *see* F-00130
4-(*p*-Fluorophenyl)-5-[2-[4-(*o*-methoxyphenyl)-1-piperazinyl]-ethyl]-4-oxazolin-2-one, *see* Z-00032
4-(4-Fluorophenyl)-5-[2-[4-(2-methoxyphenyl)-1-piperazinyl]-ethyl]-2(3*H*)-oxazolone, *see* Z-00032
7-[[(4-Fluorophenyl)methyl]amino]-8-methylnonanoic acid, *see* Z-00003
▷2-(4-Fluorophenyl)-α-methyl-5-benzoxazoleacetic acid, *see* F-00171
4-(4-Fluorophenyl)-3-(3,4-methylenedioxyphenoxy)piperidine, *see* P-00040
▷1-[(4-Fluorophenyl)methyl]-*N*-[1-[2-(4-methoxyphenyl)ethyl]]--4-piperidinyl-1*H*-benzimidazol-2-amine, *see* A-00466
4-(4-Fluorophenyl)-7-methyl-1-(1-methylethyl)-2(1*H*)-quinazolinone, *see* F-00211
1-(4-Fluorophenyl)-4-(4-methyl-1-piperidinyl)-1-butanone, *see* M-00083
2-(4-Fluorophenyl)-5-nitro-1*H*-imidazole-1-ethanol, *see* F-00166
▷1′-[4-(4-Fluorophenyl)-4-oxobutyl][1,4′-bipiperidine]-4′-carboxamide, *see* P-00274
N-[[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-phenyl-4-piperidinyl]-methyl]acetamide, *see* A-00014
▷8-[4-(4-Fluorophenyl)-4-oxobutyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, *see* S-00115
▷1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-4-piperidinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* B-00060
▷1-[1-[4-(4-Fluorophenyl)-4-oxobutyl]-1,2,3,6-tetrahydro-4-pyridinyl]-1,3-dihydro-2*H*-benzimidazol-2-one, *see* D-00608
▷1-(4-Fluorophenyl)-4-[4′-(1-oxopropyl)[1,4′-bipiperidin]-1′-yl]-1-butanone, *see* P-00518
▷8-[4-(4-Fluorophenyl)pent-3-enyl]-1-phenyl-1,3,8-triazaspiro[4.5]decan-4-one, *see* S-00121
▷4-(4-Fluorophenyl)-5-[2-(4-phenyl-1-piperazinyl)ethyl]-1,3-dioxol-2-one, *see* F-00146
▷*N*-[3-[4-(*p*-Fluorophenyl)-1-piperazinyl]-1-methylpropyl]-nicotinamide, *see* N-00083
N-[4-[3-[4-(2-Fluorophenyl)-1-piperazinyl]propoxy]-3-methoxyphenyl]acetamide, *see* M-00003
1-(4-Fluorophenyl)-4-(1-piperidinyl)-1-butanone, *see* P-00433
5-[4-(3-Fluorophenyl)-3-piperidylmethoxy]-1,3-benzodioxole, *see* P-00040
2′-(4-Fluorophenyl)-2′*H*-pregna-2,4-dien-20-yno[3,2-*c*]-pyrazol-17α-ol, *see* N-00191
▷1-(4-Fluorophenyl)-4-[4-(2-pyridinyl)-1-piperazinyl]-1-butanone, *see* A-00503
N-[3-(4-Fluorophenyl)-3-(2-pyridinyl)propyl]-*N*′-[3-(1*H*-imidazol-4-yl)propyl]guanidine, *see* A-00449
1-[(4-Fluorophenyl)sulfonyl]-4-[4-[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoyl]piperazine, *see* L-00102
4-[3-(4-Fluorophenyl)-6-(trifluoromethyl)-1-indanyl]-1-piperazineethanol, *see* T-00053
4-Fluorophenyl[1-[3-[2-(trifluoromethyl)-10*H*-phenothiazin-10-yl]propyl]-4-piperidinyl]methanone, *see* D-00621
▷2-Fluoro-9-(5-*O*-phosphono-β-D-arabinofuranosyl)-9*H*-purin-6-amine, *in* F-00142
▷Fluoropipamide, *see* P-00274
4′-Fluoro-4-piperidinobutyrophenone, *see* P-00433
6-Fluoroprednisolone, *see* F-00208
9α-Fluoroprednisolone, *see* I-00188
Fluoroproquazone, *see* F-00211
▷4′-Fluoro-4-[4-(2-pyridyl)-1-piperazinyl]butyrophenone, *see* A-00503
▷5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione, F-00190
Fluorosalan, F-00191
6-Fluorospiro[chroman-4,4′-imidazolidine]-2′,5′-dione, *see* S-00104
5-Fluoro-2,3,3*a*,9*a*-tetrahydro-1*H*-[1,4]benzodioxino[2,3-*c*]-pyrrole, *see* F-00197
▷5-Fluoro-1-(tetrahydro-2-furanyl)-2,4(1*H*,3*H*)pyrimidinedione, *see* T-00055
▷5-Fluoro-1-(tetrahydro-2-furyl)uracil, *see* T-00055
▷7-Fluoro-2,3,3*a*,9*a*-tetrahydro-3-hydroxy-6-imino-6*H*-furo[2′,3′:4,5]oxazolo[3,2-*a*]pyrimidine-2-methanol, *see* F-00219
▷9α-Fluoro-11β,16α,17α,21-tetrahydroxy-1,4-pregnadiene-3,20-dione, *see* T-00419
9-Fluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetophenone, *see* A-00176
▷4-Fluoro-4-[4-(2-thioxo-1-benzimidazolinyl)piperidino]-butyrophenone, *see* T-00285
2-(5-Fluoro-*o*-toluidino)-2-imidazoline, *see* F-00230
▷1-[3-[6-Fluoro-2-(trifluoromethyl)-9*H*-thioxanthene-9-ylidene]-propyl]-4-piperidineethanol, *see* P-00248
4-[3-[6-Fluoro-2-(trifluoromethyl)-9*H*-thioxanthen-9-yl]-propyl]-1-piperazineethanol, *see* T-00054
9α-Fluoro-11β,17,21-trihydroxy-16-methylenepregna-1,4-diene-3,20-dione, *see* F-00207
6α-Fluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione, *see* P-00025
▷9α-Fluoro-11β,17α,21-trihydroxy-16β-methylpregna-1,4-diene-3,20-dione, *see* B-00141
▷9α-Fluoro-11β,17α,21-trihydroxy-16α-methyl-1,4-pregnadiene-3,20-dione, *see* D-00111
9-Fluoro-11β,17α,21-trihydroxy-21-methyl-1,4-pregnadiene-3,20-dione, *see* F-00201
6α-Fluoro-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione, *see* F-00208
9-Fluoro-11β,16α,17-trihydroxypregna-1,4-diene-3,20-dione, *see* D-00092
9α-Fluoro-11β,17α,21-trihydroxy-1,4-pregnadiene-3,20-dione, *see* I-00188
▷9α-Fluoro-11β,17α,21-trihydroxy-4-pregnene-3,20-dione, *see* F-00147
▷Fluorouracil, *see* F-00190
▷5-Fluorouracil, *see* F-00190
6-Fluorovitamin D_3, *in* V-00062
▷Fluoroxene, *see* T-00464
▷Fluoruridindeoxyribose, *see* D-00079
Fluosmin, *in* F-00156
Fluosol DA, *in* H-00025
▷Fluosol DA, *in* O-00008
▷Fluostigmine, *see* D-00368
▷Fluothane, *see* B-00294
Fluotracen, F-00192
Fluotracen hydrochloride, *in* F-00192
Fluotrimazole, F-00193

Fluoxetine, F-00194
▷Fluoxiprednisolone, *see* T-00419
▷Fluoxiprednisolone hexacetonide, *in* T-00419
Fluoxolonate, *in* F-00167
▷Fluoxymesterone, F-00195
Flupamesone, F-00196
Fluparoxan, F-00197
Flupen, *see* F-00139
▷Flupenthixol, F-00198
α-Flupenthixol, *in* F-00198
β-Flupenthixol, *in* F-00198
▷Flupentixol, *see* F-00198
Flupentixol decanoate, *in* F-00198
Flupentixol dihydrochloride, JAN, *in* F-00198
Fluperamide, F-00199
Fluperlapine, F-00200
Fluperolone, F-00201
Fluperolone acetate, *in* F-00201
▷Fluphenazine, F-00202
Fluphenazine caproate, *in* F-00202
▷Fluphenazine decanoate, *in* F-00202
▷Fluphenazine enanthate, *in* F-00202
▷Fluphenazine hydrochloride, *in* F-00202
▷Flupidol, *see* P-00062
Flupimazine, F-00203
Flupirtine, F-00204
Flupirtine maleate, *in* F-00204
Flupranone, F-00205
Fluprazine, F-00206
Fluprednidene, F-00207
Fluprednisolone, F-00208
Fluprednisolone acetate, *in* F-00208
Fluprednisolone hemisuccinate, *in* F-00208
Fluprednisolone valerate, *in* F-00208
Fluprednylidene, *see* F-00207
Fluprofen, F-00209
▷Fluprofylline, F-00210
Fluproquazone, F-00211
Fluprostenol, F-00212
Fluprostenol sodium, USAN, *in* F-00212
Flupyrazopon, *see* Z-00028
Fluquazone, F-00213
Fluradoline, F-00214
Fluradoline hydrochloride, *in* F-00214
▷Flurandrenolide, *see* F-00215
▷Flurandrenolone, F-00215
Flurantel, F-00216
▷Flurazepam hydrochloride, *in* F-00217
▷Flurazepam, F-00217
▷Flurbiprofen, F-00218
Flurèse, *see* E-00085
▷Fluress, *in* F-00180
▷Fluress, *in* O-00146
Fluretofen, *see* E-00230
▷Flurfamide, *see* F-00220
▷Flurocitabine, F-00219
▷Flurofamide, F-00220
▷Fluroformylon, *see* F-00246
▷Flurogestone acetate, *in* F-00150
Flurone, *in* D-00267
▷Flurothyl, *see* B-00239
▷Flurotyl, *see* B-00239
▷Fluroxene, *see* T-00464
Fluroxyspiramine, *see* S-00117
Flusalan, *see* F-00191
Flusoxolol, F-00221
Fluspiperone, F-00222
▷Fluspirilene, F-00223
▷Flutamide, F-00224
▷Flutazolam, F-00225
▷Flutemazepam, F-00226
Flutenal, *see* F-00196
Flutiazin, *see* T-00466
Fluticasone, F-00227
Fluticasone propionate, *in* F-00227
Flutiorex, F-00228
Flutixan, *see* T-00054
Flutizenol, F-00229
Flutonidine, F-00230
▷Flutoprazepam, F-00231
Flutroline, F-00232
Flutropium(1+), F-00233
Flutropium bromide, *in* F-00233
▷Fluvermal, *see* F-00133
▷Fluvet, *see* F-00156
Fluvoxamine, F-00234
Fluxobil, *in* D-00049
Fluzinamide, F-00235
Fluzoperine, F-00236
▷FM 24, *in* B-00256
▷FMC 33297, *see* P-00128
FMN-dinicotinate, *in* R-00038
FMTX, *see* F-00187
Foipan, *in* C-00022
Folescutol, F-00237
▷Folic acid, *see* P-00554
▷Folinerin, *in* T-00474
▷Folithion, *see* F-00057
Follhormon, *in* O-00028
▷Folliberin, *see* L-00116
▷Follicle stimulating hormone, *see* F-00238
▷Follicle stimulating hormone releasing factor, *see* L-00116
▷Follicular hormone, *see* O-00031
▷Folliculin, *see* O-00030
Follikoside, *in* O-00028
▷Follitropin, F-00238
▷Follormon, *see* D-00223
▷Follutein, *see* G-00080
Fomene, *in* T-00119
Fomidacillin, F-00239
Fominoben, F-00240
▷Fomocaine, F-00241
▷Fonazine, *see* D-00396
Fonazine mesylate, *in* D-00396
▷Fonlipol, *see* B-00217
Fontamide, *see* S-00257
▷Fontilix, *see* M-00319
▷Fonzylane, *in* P-00598
▷Fopirtoline, F-00242
▷Fopurine, *see* P-00556
▷Forane, *see* C-00231
▷Forene, *see* C-00231
▷Forenol, *see* N-00113
Forfenicinol, *see* F-00243
Forfenimex, F-00243
▷Forgenin, *in* T-00144
▷Forhistal, *in* D-00391
▷Foridon, *see* R-00060
▷Foristal, *in* D-00391
▷Forit, *see* O-00157
threo-(±)-form, *in* M-00269
▷Formaldehyde, F-00244
Formaldoxime, *in* F-00244
▷Formalox, *in* F-00094
2-Formamidobenzoic acid, *in* A-00215
α-Formamido-α-methylacetophenone, *in* A-00309
▷Formamine, *see* H-00057
▷Formebolone, F-00245
Formetamide, *in* P-00202
Formetorex, *in* P-00202
▷Formic acid 2-[4-(5-nitro-2-furyl)-2-thiazolyl]hydrazide, *see* N-00133
Formidacillin, *see* F-00239
Formiloxin, *in* T-00474
N-Formimidoylthienamycin, *see* I-00039
▷Formin, *see* H-00057
Forminitrazole, *in* A-00294
▷Formitrol, *see* F-00244
Formocholine, *see* H-00177
▷Formocortal, F-00246
▷Formocortol, *see* F-00246

▷Formoftil, *see* F-00246
Formoguanamine, *see* D-00136
▷Formol, *see* F-00244
Formoterol, F-00247
Formula 405, *in* H-00205
▷*N*-(1-Formylamido-2,2,2-trichloroethyl)morpholine, *see* T-00518
▷Formyldienolone, *see* F-00245
▷16-*O*-Formylgitoxin, *in* T-00474
[3-(Formylhydroxyamino)propyl]phosphonic acid, *see* F-00257
N-Formyl-L-leucine 1-[(3-hexyl-4-oxo-2-oxetanyl)methyl]-3,6-dodecadienyl ester, *see* L-00055
N-Formylleucine 1-[(3-hexyl-4-oxo-2-oxetanyl)methyl]-dodecyl ester, *in* L-00055
2-Formyl-1-methylpyridinium oxime, *see* P-00395
▷2-Formyl-5-nitrofuran, *see* N-00177
3-Formylpyridine, *see* P-00569
▷2-Formylquinoxaline 1,4-dioxide cyanoacetyl hydrazone, *see* C-00317
Formylsulfamethin, *in* S-00254
Formylsulfisomidine, *in* S-00254
5-Formyl-2-thiophenecarbonitrile, F-00248
▷5-Formyl-4,6,8-trihydroxy-1-methoxycarbonylphenazine, *see* L-00082
▷Foromacidin, *in* F-00249
▷Foromacidin *A*, F-00249
▷Foromacidin *B*, F-00250
▷Foromacidin *C*, F-00251
Forskolin, *in* E-00090
Fortadex, *in* H-00185
▷Fortam, *see* C-00152
Fortasept, *in* L-00014
▷Fortaz, *see* C-00152
▷Fortigro, *see* C-00039
▷Fortimicin *A*, F-00252
Fortizyme, *see* A-00147
▷Fortral, *see* P-00093
Fortunellin, *in* D-00329
Fosarilate, *in* C-00254
Fosazepam, F-00253
▷Foscarnet sodium, *in* P-00216
▷Foscavir, *in* P-00216
Foscolic acid, F-00254
Fosenazide, *see* D-00502
Foserin, *in* P-00220
Fosfabenzid, *see* D-00502
▷Fosfakol, *see* P-00027
Fosfaton, *see* F-00256
▷Fosfemid, *see* P-00214
Fosfenopril sodium, *in* C-00611
▷Fosfestrol, *in* D-00257
Fosfocreatinine, F-00255
Fosfocreatinine sodium, *in* F-00255
▷Fosfomycin, *in* M-00276
Fosfomycin calcium, JAN, *in* M-00276
Fosfonet sodium, *in* P-00215
▷Fosfosal, *see* P-00217
Fosinopril, *in* C-00611
Fosinopril sodium, *in* C-00611
Fosmenic acid, F-00256
Fosmidomycin, F-00257
▷Fospirate, F-00258
Fospiridoxamine, *see* P-00581
▷Fosteamine, *see* E-00155
Fostedil, F-00259
Fostriecin, F-00260
Fotemustine, F-00261
▷Fotretamine, *see* F-00262
▷Fotrin, F-00262
▷Fovane, *see* B-00103
Fox green, *see* I-00062
▷FOY, *in* G-00001
FOY 305, *in* C-00022
Foypan, *in* C-00022
▷Foypan, *in* G-00001
FPH, *see* F-00243
FPL 52791, *see* T-00082
FPL 55712, *see* A-00035
FPL 57787, *see* P-00548
▷FPL 58668, *see* A-00169
FPL 59360, *see* M-00386
FPL 60278, *see* D-00581
FPL 60278AR, *in* D-00581
FPL 59002KP, *in* N-00060
FQ 27-096, *in* P-00306
▷FR 02*A*, *see* E-00020
▷FR 33, *see* R-00102
FR 1314, *see* Z-00039
FR 1949, *in* C-00454
▷FR 005759, *see* C-00223
FR 10123, *see* C-00154
FR 10612, *see* C-00151
FR 13303, *see* C-00138
▷FR 13749, *in* C-00158
FR 17027, *see* C-00129
FR 31564, *see* F-00257
FR 48736, *see* C-00313
Fr-900506, *see* F-00108
Frabuprofen, F-00263
▷Fradiomycin, *in* N-00068
▷Fragivil, *see* B-00071
▷Fragivix, *see* B-00071
▷Framycetin, *see* N-00068
Franidipine, *see* M-00017
Frantin, *in* B-00132
▷Frazalon, *see* F-00283
FRC 8411, *see* M-00292
▷Freez-o-derm, *see* D-00202
▷Frenactil, *see* B-00060
▷Frenactyl, *see* B-00060
▷Frenantol, *see* H-00193
Frenapyl, *see* C-00462
Frenazole, *see* F-00264
▷Frenolon, *in* P-00129
Frenoton, *see* D-00506
▷Frenquel, *in* D-00506
Frentizole, F-00264
▷Freoderm, *see* D-00202
▷Freon 114, *see* D-00202
▷Frequentic acid, *see* C-00404
▷Frey inhibitor, *see* A-00432
▷Frezan, *see* D-00202
▷Frideron, *in* D-00035
▷Frigiderm, *see* D-00202
Fritillarine, *in* V-00024
▷Froben, *see* F-00218
Fronedipil, F-00265
▷Froxiprost, F-00266
D-Fructofuranose 1,3,4,6-tetranicotinate, *see* N-00098
β-D-Fructofuranose 1,3,4,6-tetra-3-pyridinecarboxylate, *see* N-00098
▷Frugalan, *in* F-00291
▷Fruitone *N*, *see* N-00044
Frumtosnil, *in* D-00061
▷Frusemide, F-00267
FSF, *see* F-00007
▷FSH, *see* F-00238
▷FSH-RF, *see* L-00116
▷F_3T, *see* D-00084
FT 124, *see* P-00063
Ftalofyne, *see* P-00224
▷Ftaxilide, F-00268
Ftivazide, F-00269
▷Ftoracizin, *see* F-00128
▷Ftorafur, *see* T-00055
Ftormetazine, F-00270
▷Ftorotan, *see* B-00294
Ftorpropazine, F-00271
FTPA, *see* H-00025
FTS, *see* S-00054
FU 02, *see* F-00275

FU 29-245, *see* P-00305
▷Fuadin, *in* B-00207
Fubrogonium(1+), F-00272
Fubrogonium iodide, *in* F-00272
Fubromegan, *in* F-00272
▷Fucidin, *in* F-00303
▷FUDR, *see* D-00079
FUDRP, *in* D-00079
▷Fugerel, *see* F-00224
▷Fugillin, *see* F-00273
▷Fugu poison, *see* T-00156
▷Fuldazin, *see* M-00377
▷Fulvicin, *see* G-00087
▷Fulvidex, *in* T-00104
▷Fulvidex, *in* U-00008
▷Fumadil *B*, *see* F-00273
▷Fumagillin, F-00273
Fumaramic acid, *in* F-00274
▷Fumaric acid, F-00274
▷Fumaronitrile, *in* F-00274
▷Fumaroyl chloride, *in* F-00274
▷Fumidil, *see* F-00273
Fumoxicillin, F-00275
▷Fundusein, *in* F-00180
Funesil, *in* H-00029
▷Fungacet, *see* G-00065
▷Fungacetin, *see* G-00065
▷Fungaclor, *see* H-00018
▷Fungicidin, *see* N-00235
▷Fungiderm, *in* C-00612
▷Fungifos, *see* T-00346
▷Fungifral, *in* H-00023
▷Fungimixin, *see* C-00261
Fungiplex, *see* S-00183
Fungistat, *see* T-00086
Fungit, *see* B-00340
▷Fungizone, *see* A-00368
Funkioside *A*, *in* S-00129
▷Funkioside C, *in* S-00129
▷Funkioside D, *in* S-00129
Funkioside E, *in* S-00129
▷Funkioside F, *in* S-00129
▷Funkioside G, *in* S-00129
Funtudiamine A, *in* P-00416
Funtudiamine B, *in* P-00416
Fuprazole, F-00276
▷Furacin, *in* N-00177
▷Furacort, *in* N-00177
Furacrinic acid, F-00277
▷Furadantin, *see* N-00178
▷Furadex, *in* N-00177
▷Furadroxyl, *see* N-00108
Furaethidin, *see* F-00290
Furafylline, F-00278
Furaguanidine, F-00279
▷Furalazine, F-00280
▷Furaltadone, F-00281
▷Furamazone, *see* N-00116
Furamide, *in* D-00372
▷Furamon, *in* F-00282
Furamterene, *see* F-00300
▷Furanace, *see* N-00128
2-Furancarboxylic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, *see* F-00297
▷2-Furanmethanamine, F-00282
▷Furanol, *in* F-00282
6-[[[[[(2-Furanylcarbonyl)amino]carbonyl]amino]-phenylacetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid, *see* F-00286
6-[[2-[(2-Furanylcarbonyl)oxy]-4-methyl-1-oxopentyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* F-00287
3-(2-Furanyl)-2-mercapto-2-propenoic acid, *see* M-00117
3-(2-Furanylmethyl)-3,7-dihydro-1,8-dimethyl-1*H*-purine-2,6-dione, *see* F-00278
3-[2-[4-[[3-(2-Furanylmethyl)-3*H*-imidazo[4,5-*b*]pyridin-2-yl]-amino]-1-piperidinyl]ethyl]-2-methyl-4*H*-pyrido[1,2-*a*]-pyrimidin-4-one, *see* B-00015
2-(2-Furanyl)-7-methyl-1*H*-imidazo[4,5-*f*]quinolin-9-ol, *see* F-00294
1-(2-Furanyl)-3-[2-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]-methyl]-1*H*-benzimidazol-1-yl]-1-propanone, *see* F-00276
6-[[[[3-(2-Furanyl)-2-propenylidene]amino]phenylacetyl]-amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid, *see* P-00488
6-(2-Furanyl)-2,4,7-pteridinetriamine, *see* F-00300
Furaprofen, *see* M-00286
▷Furatone, *in* F-00280
▷Furatrizine, *see* F-00280
▷Furaxolon, *see* N-00108
▷Furazabol, F-00283
▷Furazalon, *see* F-00283
Furazlocillin, *see* F-00304
▷Furazolidone, F-00284
▷Furazolin, *see* F-00281
Furazolium(1+), F-00285
Furazolium chloride, *in* F-00285
Furazolium tartrate, *in* F-00285
Furbenicillin, F-00286
Furbucillin, F-00287
Furcloprofen, F-00288
▷Furea, *in* N-00177
Furedeme, *in* F-00300
Furegrelate, F-00289
Furegrelate sodium, *in* F-00289
Furenapyridazin, *see* N-00129
Furenazin, *see* N-00129
Furentomin, *in* D-00372
Furethidine, F-00290
Furetidine, *see* F-00290
Furfenorex, F-00291
▷Furfenorex cyclohexylsulfamate, *in* F-00291
▷Furflucil, *see* T-00055
▷Furfurylamine, *see* F-00282
2-(Furfurylamino)-4-phenoxy-5-sulfamoylbenzenesulfonic acid, *see* S-00233
3-Furfuryl-1,8-dimethylxanthine, *see* F-00278
Furfurylideneamoxicillin, *see* F-00275
Furfurylmethylamphetamine, *see* F-00291
Furfuryltrimethylammonium(1+), *in* F-00282
Furidarone, F-00292
▷Furidin, *see* T-00200
▷Furiton, *see* N-00139
▷Furmethide iodide, *in* F-00282
▷Furmethonol, *see* F-00281
Furmethoxadone, F-00293
Furobactil, *see* N-00121
▷Furobufen, *see* O-00127
Furodazole, F-00294
▷Furofenac, F-00295
Furomazine, F-00296
▷Furosemide, *see* F-00267
Furostilbestrol, F-00297
Furotest, *in* H-00111
Furoxicillin, *see* F-00275
▷Furoxone, *see* F-00284
[1-(2-Furoyloxy)-3-methylbutyl]penicillin, *see* F-00287
▷Furozin, *in* C-00100
▷Furpirinol, JAN, *see* N-00128
▷Furpyrinol, *see* N-00128
Fursalan, F-00298
▷Fursultiamine, F-00299
Furterene, F-00300
Furtrethonium(1+), *in* F-00282
▷Furtrethonium iodide, *in* F-00282
Furtulon, *see* D-00595
7-[2-(2-Furyl)-2-methoxyiminoacetamidocephalosporanic acid, *see* C-00160
▷Fusafungine, F-00301
▷Fusaloyos, *see* F-00301
▷Fusaric acid, *see* B-00432
▷Fusarine, *see* F-00301
Fuscin, F-00302

▷Fusidate sodium, *in* F-00303
▷Fusidic acid, F-00303
▷Fusidin, *see* F-00303
▷Fusin, *in* F-00303
Fusten, *in* C-00183
FUT 175, *in* N-00009
Futoxide, *see* C-00568
Futrican, *in* C-00211
Fuzlocillin, F-00304
FWH 428, *in* T-00561
▷FWH 429, *in* T-00560
FX 501, *see* X-00011
▷Fx-505, *see* I-00020
▷FX 703, *see* F-00198
▷Fysostigmin, *see* E-00122
▷Fytic acid, *in* I-00074
▷G/18, *see* I-00178
G 33, *see* S-00009
▷G 52, *in* S-00082
G 112, *see* V-00016
G214, *see* M-00442
G 233, *in* B-00334
▷G 2747, *in* C-00037
G290, *see* S-00192
▷3012G, *see* M-00158
▷G 469, *in* P-00569
▷G 475, *see* H-00027
G 4786, *in* A-00028
G 526, *in* A-00029
▷G 800, *in* D-00233
G 11035, *see* A-00156
G 11044, *see* A-00156
G 14289, *see* S-00251
G 20561, *see* D-00497
▷G 22870, *see* D-00457
G 25178, *in* P-00457
G 25268, *in* D-00569
▷G 25671, *see* D-00501
▷G 25766, *see* C-00264
▷G 30320, *see* C-00450
▷G 33040, *in* O-00052
▷G 34586, *see* C-00472
▷G35020, *in* D-00095
G 35259, *see* K-00013
G367-2, *in* S-00082
▷G 38116, *in* C-00597
▷GA 242, *in* H-00042
▷GA 297, *in* T-00537
GA 30-905, *see* V-00005
▷GABA, *see* A-00221
Gabaculine, *see* A-00228
▷Gabalon, *see* B-00003
Gabapentin, *see* A-00280
▷Gabbromycin, *see* P-00039
Gabbrostim, *see* A-00110
Gabexate, G-00001
▷Gabexate mesylate, *in* G-00001
▷Gabilin, *in* T-00359
Gaboxadol, *see* T-00121
Gabren, *see* P-00465
▷Gadol, *see* V-00058
Gadoteric acid, *in* T-00101
Gafir, *see* N-00153
Gaiathiol, *in* H-00147
4-*O*-β-D-Galactopyranosyl-D-fructose, *see* L-00005
▷β-Galactosidase, *see* T-00271
▷Galantamine, *in* G-00002
▷Galantase, *see* T-00271
Galanthamine, G-00002
▷Galanthine, *in* G-00002
▷Galasan, *see* D-00556
▷Galatur, *in* I-00157
▷Galbanic acid, G-00003
Galenyl, *see* C-00556
Gallamine, G-00004
▷Gallamine triethiodide, *in* G-00004
Gallanilide 603, *see* B-00137
Gallimycin *W*, *in* E-00115
Gallisal, *in* H-00112
Gallium citrate, G-00005
Gallogen, *in* T-00508
Gallopamil, G-00006
▷Galloxon, *see* H-00021
3-Galloylcatechin, *in* P-00081
4-Galloylpyrogallol, *see* H-00052
Galosemide, G-00007
▷Galoxone, *see* H-00021
▷Galsenomycin, *see* O-00166
Galtfenin, G-00008
▷Gamadiabet, *see* A-00023
▷Gamanest, *in* H-00118
▷Gamanil, *in* L-00074
▷Gamaquil, *in* P-00201
Gamastan, *see* G-00049
▷Gambamix, *see* R-00084
▷Gametocid, *see* P-00007
Gamfexine, G-00009
Gamimune, *see* G-00049
▷Gamma benzene hexachloride, *in* H-00038
▷Gamma-BHC, *in* H-00038
Gammagee, *see* G-00049
▷Gammaphos, *see* E-00155
Gammar, *see* G-00049
▷Gammexane, *in* H-00038
Gamolenic acid, *in* O-00009
▷Gamonil, *in* L-00074
Gamulin, *see* G-00049
▷Ganasag, *in* B-00187
▷Ganciclovir, *see* D-00350
▷Ganglefene, G-00010
▷Ganglerone, *see* G-00010
▷Ganlion, *in* A-00499
▷Ganocide, *see* D-00601
Gansol, *in* S-00215
▷Gantanol, *see* S-00244
▷Gantrisin, *see* S-00215
Gapicomine, *see* D-00531
Garamycin, *see* G-00018
▷Garantose, *see* S-00002
▷Gardenal, *see* E-00218
▷Gardimycin, G-00011
▷Gardona, *see* T-00107
Gardrin, *see* E-00067
▷Garrathion, *see* C-00060
▷Garvox, *see* B-00046
▷Gaster, *see* F-00013
▷Gasterax, *in* C-00196
▷Gastomax, *in* C-00196
Gastopsin, *see* A-00354
Gastramin, *see* A-00256
Gastress, *see* P-00545
Gastridin, *see* C-00414
Gastrin *D*1, *in* G-00012
Gastrin *D*2, *in* G-00012
18-34 Gastrin I (cat), *in* G-00012
18-34-Gastrin I (dog), *in* G-00012
18-34-Gastrin I (human), *in* G-00012
18-34 Gastrin I (ox), *in* G-00012
18-34-Gastrin II (dog), *in* G-00012
18-34-Gastrin II (human), *in* G-00012
18-34 Gastrin II (ox), *in* G-00012
Gastrinerval, *see* P-00035
Gastrin *C*I, *in* G-00012
Gastrin *G*I, *in* G-00012
Gastrin *H*I, *in* G-00012
Gastrin *C*II, *in* G-00012
Gastrin *G*II, *in* G-00012
Gastrin *H*II, *in* G-00012
Gastrins, G-00012
Gastripon, *see* X-00011
Gastrixin, *in* T-00399
▷Gastro-Conray, *in* I-00140

▷Gastrodiagnost, *see* P-00079
Gastrodyn, *in* G-00070
▷Gastrogal, *see* I-00209
Gastrolena, *in* O-00019
▷Gastromidin, *see* Z-00031
▷Gastron, *in* M-00169
▷Gastronilo, *see* Z-00031
Gastropin, *see* X-00011
▷Gastrosedan, *in* M-00169
Gastrozepin, *see* P-00321
Gautrisin, *see* S-00216
Gautrosan, *see* S-00216
Gavrol, *see* M-00137
Gavrolin, *see* M-00137
Gayenyl, *see* C-00556
G 472b, *in* A-00028
GBR 14095, *see* I-00031
GBR 21162, *in* M-00224
▷GC 4072, *see* C-00203
G 11021 (2-chain form), *see* A-00156
Gd(DOTA), *in* T-00101
▷GEA 6414, *see* T-00349
GEA 654, *see* A-00094
▷Gecophen, *see* C-00261
▷Gecuazol, *see* T-00133
▷Gefarnate, G-00013
▷Gefarnil, *see* G-00013
▷Geistlich 840, *see* H-00165
▷Geklimon, *see* M-00164
Gelacnine, *see* T-00214
▷Geliomycin, *see* R-00030
▷Gelseminic acid, *see* H-00148
▷Gelstaph, *in* C-00515
Gelusil, *in* D-00390
Gelusil, *in* M-00008
Gelusil-Lac, *see* A-00136
Gemazocine, G-00014
Gemcadiol, *see* T-00146
▷Gemeprost, G-00015
▷Gemfibrozil, *see* D-00443
▷Gemonil, *see* M-00173
▷Gemonit, *see* M-00173
Gemora, *in* B-00396
▷Genabol, *see* N-00209
▷Genatron 316, *see* D-00202
Genatropine, *in* T-00554
Geneserine, G-00016
Genistein 4′-methyl ether, *see* D-00330
Genocodein, *in* C-00525
▷Genostrychnine, *in* S-00167
Genotropin, *see* H-00090
Genotropin, *see* S-00099
Genovul, *in* C-00518
▷Genoxide, *see* H-00100
Genpiral, *in* S-00195
▷Gentamicin *B*, G-00017
Gentamicin *C*, G-00018
▷Gentamicin C_1, *in* G-00018
▷Gentamicin C_2, *in* G-00018
▷Gentamicin C_{1a}, *in* G-00018
▷Gentamicin C_{2b}, *in* G-00018
▷Gentian violet, *in* B-00209
▷Gentimon, *see* B-00200
▷Gentinatre, *in* D-00316
▷Gentiomycin *B*, *see* G-00017
Gentiomycin *C*, *see* G-00018
▷Gentisic acid, *see* D-00316
▷Gentisod, *in* D-00316
▷Gentus, *in* D-00379
Geocillin, *see* C-00077
▷Geomycin, *see* O-00166
▷Geopen, *in* C-00045
Geotricyn, *see* P-00068
Gepefrine, *see* A-00321
Gepirone, G-00019
Gepirone hydrochloride, *in* G-00019
▷Geranyl farnesylacetate, *see* G-00013
Geranylgeranylacetone, *see* T-00078
2-Geranylhydroquinone, *see* D-00438
Gerdaxyl, *in* M-00056
▷Germanin, *see* S-00275
Geroquinol, *see* D-00438
▷Gerostop, *see* O-00023
▷Gesarol, *in* T-00432
Gesidine, *in* V-00032
▷Gespan, *in* T-00432
Gestaclone, G-00020
Gestadienol, *in* H-00183
▷Gestafortin, *in* C-00208
Gestageno Gador, *in* H-00202
▷Gestanin, *see* A-00132
▷Gestanol, *see* A-00132
▷Gestanon, *see* A-00132
▷Gestanyn, *see* A-00132
▷Gestatron, *see* D-00624
Gestodene, G-00021
Gestonorone, *see* G-00023
▷Gestonorone caproate, *in* G-00023
▷Gestormone, *see* A-00132
Gestovis, *in* P-00080
Gestovister, *in* P-00080
▷Gestrinone, G-00022
Gestronol, G-00023
▷Gestronol hexanoate, *in* G-00023
Gestyl, *see* S-00053
▷Getol, *see* H-00041
▷Getril, *see* F-00022
▷Getroxel, *see* C-00039
Gevelina, *see* P-00498
▷Geverol, *in* T-00432
▷Gevilan, *see* N-00101
▷Gevilon, *see* D-00443
▷Gevilon, *in* H-00158
▷Gewalan, *see* N-00101
GGA, *see* T-00078
α-GHI, *see* A-00005
▷GH-RIF, *see* S-00098
Giacosil, *see* F-00025
▷Giben, *in* D-00033
▷Gidalon, *see* D-00199
Gidifen, *see* D-00502
Gilutensin, *see* D-00497
▷Ginandrin, *in* A-00383
Ginestryl-15-depot, *in* O-00028
▷Ginkgotoxin, *in* P-00582
▷Gioron, *in* H-00118
Giparmen, G-00024
▷Gipron, *see* C-00559
Giractide, G-00025
▷Gitaloxigenin, *in* T-00474
▷Gitaloxin, *in* T-00474
Gitan, *in* U-00001
Gitoformate, *in* T-00474
▷Gitorin, *in* T-00474
Gitoroside, *in* T-00474
Gitostin, *in* T-00474
▷Gitoxigenin, *in* T-00474
▷Gitoxin, *in* T-00474
Gitoxin 3′,3″,3‴,4‴,16-pentaformate, *in* T-00474
▷Gitoxoside, *in* T-00474
Giv-Tan, *see* C-00378
GL 7, *in* H-00112
▷GL 87/90, *see* C-00175
Glabridin, G-00026
▷Glacostat, *in* Q-00035
▷Glafenine, G-00027
▷Glaphenine, *see* G-00027
Glauber's salt, *in* S-00090
Glaucine, G-00028
▷Glaucon, *see* A-00075
Glauconex, *in* B-00027
▷Glaucostat, *in* Q-00035

▷Glaucotat, *in* Q-00035
Glaucothil, *in* D-00518
▷Glaudin, *in* Q-00035
▷Glaunorm, *in* Q-00035
Glauvent, *in* G-00028
Glaxo 291/1, *see* C-00179
Glazen, *in* G-00029
▷Glazidim, *see* C-00152
▷Glaziovine, G-00029
▷Glebomycin, *see* B-00247
GL Enzyme, *see* H-00091
Gleptoferron, G-00030
Gleptosil, *see* G-00030
Gliamilide, G-00031
▷Gliamin, *see* C-00109
▷Glianimon, *see* B-00060
▷Glibenclamide, G-00032
Glibenese, *see* G-00042
Glibornuride, G-00033
Glibutimine, G-00034
Glicaramide, G-00035
Glicetanile, G-00036
Glicetanile sodium, *in* G-00036
▷Gliclazide, G-00037
Glicondamide, G-00038
Glidazamide, G-00039
▷Glifan, *see* G-00027
▷Glifanan, *see* G-00027
Gliflumide, G-00040
▷Gliguamid, *see* D-00432
▷Glimicron, *see* G-00037
Glior, *see* D-00494
▷Gliotoxin, G-00041
▷Glipasol, *see* G-00062
Glipentide, *see* G-00045
Glipizide, G-00042
Gliquidone, G-00043
Glisamuride, G-00044
Glisentide, G-00045
▷Glisepin, *see* G-00048
Glisindamide, G-00046
▷Glisolamide, G-00047
▷Glisoxepide, G-00048
Glitisol, *in* T-00179
Glitrim, *see* G-00033
Globacillin, *see* A-00520
Globulin, Immune, G-00049
▷Glofil, *in* I-00140
▷Gloxazone, G-00050
Gloximonam, *in* O-00115
▷GLQ 223, *see* T-00444
Gluborid, *see* G-00033
▷Glucagon, G-00051
Glucalox, *in* G-00064
Glucametacin, G-00052
▷Glucantime, *in* D-00082
1,4:6,3-Glucarodilactone, G-00053
▷Glucaron, *in* G-00053
Glucidol, *see* G-00034
Glucinan, *in* D-00432
▷Glucitol, G-00054
D-Glucitolhexanicotinate, *in* G-00054
▷Glucoban, *see* G-00048
Glucobay, *see* A-00005
Glucochloral, *see* C-00193
D-Glucochloralose, *see* C-00193
Glucocymarol, *in* T-00478
▷Glucodigifucoside, *in* D-00274
▷Glucoenergan, *see* F-00038
Glucoevatromonoside, *in* D-00274
▷Glucoferron, *see* F-00093
Glucofillina, *in* T-00169
D-Gluconamide, *in* G-00055
Gluconic acid, G-00055
▷D-Gluconic acid, iron (2+) salt (2:1), *see* F-00093
D-Glucononitrile, *in* G-00055
▷Glucophage, *in* D-00432
Glucophyllin, *in* T-00169
▷Glucoproscillardin *A*, *in* D-00319
▷10-β-D-Glucopyranosyl-1,8-dihydroxy-3-(hydroxymethyl)-9(10*H*)-anthracenone, *see* B-00013
3-(β-D-Glucopyranosyloxy)-14,23-dihydroxy-24-norchol-20(22)-en-21-oic acid γ-lactone, *see* A-00059
3-[4-(β-D-Glucopyranosyloxy)phenyl]-5-hydroxy-7-methoxy-4*H*-1-benzopyran-4-one, *see* T-00470
▷*N*-[3β-D-Glucopyranosyloxy)-5,6,7,9-tetrahydro-1,2-dimethoxy-10-(methylthio)-9-oxobenzo[*a*]heptalen-7-yl]acetamide, *see* T-00199
7-Glucopyranosyl-3,4,5,8-tetrahydroxy-1-methylanthraquinone-2-carboxylic acid, *see* C-00080
L-Glucosamidinostreptosidostreptidine, *in* S-00161
Glucosamine, *see* A-00235
Glucosamine pentanicotinate, *in* A-00235
Glucoscillaren *A*, *in* D-00319
▷Glucostibamine sodium, *see* S-00148
Glucostrophantidin, *in* T-00478
Glucosulfamide, G-00056
Glucosulfaminol, *see* G-00056
▷Glucosulfone, G-00057
4-Glucosyloxybenzoic acid, *in* H-00113
4′-Glucosyloxy-5-hydroxy-7-methoxyisoflavone, *see* T-00470
(1-Glucosylthio)gold, *see* T-00201
Glucovanillin, *in* D-00311
Glucoverodoxin, *in* T-00474
Glucovex, *in* O-00031
Glucoxyguronsan, *see* G-00059
Glucurolactone, *see* G-00059
Glucuronamide, G-00058
Glucurono-2-amino-2-deoxyglucan sulfate, *see* S-00232
Glucuronolactone, *see* G-00059
Glucurono-6,3-lactone, G-00059
Gludapcin, *see* A-00406
▷Gludesin, *see* P-00090
▷Gludiase, *see* G-00063
▷Glumal, *in* A-00012
Glumorin, *see* K-00003
Glunicate, *in* A-00235
Glurenor, *see* G-00043
Glurenorm, *see* G-00043
Glusoferron, *in* G-00055
34-Glutamic acid-43-histidinethymopoietin II, *in* T-00226
Glutamic acid lactam, *see* O-00140
Glutamine, G-00060
▷*N*-γ-Glutamyl-3-(methylenecyclopropyl)alanine, *see* H-00225
γ-Glutamyltaurine, *see* S-00219
▷Glutaral, *see* P-00090
▷Glutaraldehyde, *see* P-00090
▷Glutarol, *see* P-00090
Glutaurine, *see* S-00219
▷Glutaven, *in* G-00060
▷Glutethimide, G-00061
Glutimic acid, *see* O-00140
Glutiminic acid, *see* O-00140
Glutrid, *see* G-00033
Glutril, *see* G-00033
Glutrim, *see* G-00033
▷Glybigide, *see* B-00428
▷Glyburide, *see* G-00032
▷Glybutamide, *see* C-00070
▷Glybuthiazol, G-00062
▷Glybuzole, G-00063
Glycalox, *in* G-00064
▷Glycerin, *see* G-00064
▷Glycerol, G-00064
▷α-Glycerol chlorohydrin, *see* C-00278
▷Glycerol α-monochlorohydrin, *see* C-00278
▷Glycerol α-*O*-tolyl ether, *see* M-00283
▷Glycerol triacetate, G-00065
▷Glycerol trinitrate, G-00066
▷Glycerylguethol, *see* G-00093
▷Glyceryl 1-octadecyl ether, *see* D-00337
▷Glyceryl α-stearyl ether, *see* D-00337

Glycinal, *see* G-00067
(Glycinato-*N*,*O*)dihydroxyaluminum, G-00067
1-Glycine-18-L-argininamide-$\alpha^{1\text{-}18}$-corticotropin, *see* G-00025
▷Glycine betaine, *see* B-00140
1-Glycine-2-glutamine-43-histidinethymopoietin II, *in* T-00226
▷Glyciram, *in* G-00073
▷Glyclopyramide, G-00068
Glycoanthropodeoxycholic acid, *in* D-00320
▷Glycobiarsol, G-00069
Glycochenodeoxycholic acid, *in* D-00320
▷Glycocoll betaine, *see* B-00140
Glycocyamine, *see* G-00109
Glycodehydrocholic acid, *in* D-00049
▷Glycodeoxycholic acid, *in* D-00321
▷Glycodiazine, *see* G-00075
Glycofurthiamine, *see* A-00010
Glycolamide *N*-(α,α,α-trifluoro-*m*-tolyl)anthranilate, *see* C-00535
p-(Glycolophenetidide), *in* E-00161
Glycolophenone, *see* H-00107
Glycol salicylate, *in* H-00112
Glycopyrrolate, *in* G-00070
Glycopyrronium(1+), G-00070
Glycopyrronium bromide, *in* G-00070
Glycosulphamide, *see* G-00056
Glycoursodeoxycholic acid, *in* D-00320
Glycovex, *in* O-00031
▷Glycyclamide, G-00071
Glycyl-6-carboxy-N^6-[*N*-[*N*-(1-oxododecyl)-L-alanyl]-D-γ-glutamyl]-*threo*-DL-lysinamide, *see* P-00255
▷Glycyl-*N*-[4-chloro-2-(2-chlorobenzoyl)phenyl]-*N*-methylglycinamide, *see* L-00100
N-[*N*-(*N*-Glycylglycyl)glycyl]-8-L-lysinevasopressin, *see* T-00093
▷Glycyrram, *in* G-00073
▷Glycyrrhetic acid, G-00072
▷18α-Glycyrrhetic acid, *in* G-00072
▷Glycyrrhetin, *see* G-00072
▷Glycyrrhetinic acid, *see* G-00072
▷Glycyrrhitin, *see* G-00073
▷Glycyrrhizic acid, G-00073
▷Glycyrrhizin, *see* G-00073
Glydenile sodium, *in* G-00036
Glydiazinamide, *see* G-00042
▷Glyfyllin, *see* D-00523
▷Glyguetol, *see* G-00093
Glyhexamide, G-00074
▷Glyhexylamide, *see* M-00146
▷Glymidine, G-00075
▷Glymidine sodium, *in* G-00075
Glyoctamide, *see* C-00626
Glyoxylic diureide, *see* A-00123
Glyoxyloylurea *aldehydo*-[bis(*p*-chlorophenyl)acetal], *see* U-00014
Glyparamide, G-00076
▷Glyped, *see* G-00065
Glyphenarsine, *in* C-00041
▷Glyphylline, *see* D-00523
Glypinamide, G-00077
Glypressin, *see* T-00093
Glyprothiazol, G-00078
▷Glyrol, *see* G-00064
Glysal, *in* H-00112
▷Glysepin, *see* G-00048
▷Glysobuzole, *see* I-00180
Glytril, *see* G-00033
Glytrim, *see* G-00033
Glyvenol, *in* E-00224
GM_1 Monosialoganglioside inner ester, *see* S-00063
GN 3, *in* M-00308
Gnoscopine, *see* N-00052
▷Gn-RH, *see* L-00116
Gö 1067, *see* A-00129
Gö 1213, *see* A-00471
Gö 1254*A*, *see* F-00068
Go 1507, *see* F-00205
Gö 1733, *in* S-00235
Gö 1734, *see* A-00208
Go 2782, *see* I-00164
Go 3026*A*, *in* C-00325
Go 3315*A*, *see* N-00204
Gö 3450, *see* A-00280
Gö 3471-*B*, *see* T-00052
Gö 4687, *in* O-00169
Gö 4942, *see* R-00004
▷Go 650, *see* F-00022
Gö 687, *in* O-00169
▷Gö 919, *see* P-00310
Go 10213, *see* S-00028
Go 7996B, *in* T-00292
▷Goldinodox, *in* M-00413
▷Goldinomycin, *in* M-00413
Gold sodium thiomalate, *in* M-00115
▷Gold sodium thiosulfate, *see* S-00084
Gomphoside, G-00079
▷Gonadoliberin, *see* L-00116
▷Gonadorelin, *see* L-00116
Gonadorelin acetate, *in* L-00116
Gonadorelin hydrochloride, *in* L-00116
Gonadorelin [6-D-Trp], *see* T-00531
▷Gonadotrophin releasing hormone, *see* L-00116
▷Gonadotropin, G-00080
▷Gondafon, *in* G-00075
Gormon, *see* S-00053
Goserelin, G-00081
▷Gossypol, G-00082
Gotensin, *in* B-00365
▷GP 31406, *see* B-00007
GP 41299, *see* D-00009
GP 47680, *in* D-00281
GP 48674, *see* F-00277
GP 51084, *see* G-00034
GP 55129, *in* A-00150
GPA-878, *see* M-00153
▷GR 1214, *in* C-00437
GR 412, *in* D-00565
GR 2/541, *in* B-00141
▷GR 2/925, *in* C-00437
▷GR 20263, *see* C-00152
GR 30921, *see* D-00279
GR 33207, *in* O-00071
GR 33343*X*, *see* S-00019
GR 38032, *in* O-00048
GR 43175*X*, *see* S-00268
GR 50360*A*, *in* F-00197
Gracillin, *in* S-00129
Graciloside, *in* D-00274
▷Gramaxin, *in* C-00120
▷Gramicidin, *see* G-00084
Gramicidin *B*, *in* G-00084
▷Gramicidin *C*, *see* G-00083
Gramicidin *C*, *in* G-00084
Gramicidin *D*, *in* G-00084
▷Gramicidin *S*, G-00083
Gramicidin *S*-*A*, *in* G-00083
Gramicidin S_1, *in* G-00083
Gramicidin S_2, *in* G-00083
Gramicidin S_3, *in* G-00083
▷Gramicidins *A*-*D*, G-00084
▷Gramophen, *see* H-00039
▷Granaticin *A*, G-00085
▷Granatomycin *C*, *see* G-00085
▷Grandaxine, *see* T-00342
▷Grandexin, *see* T-00342
Granisetron, G-00086
Granisetron hydrochloride, *in* G-00086
▷Granulin, *see* D-00117
▷Grapon, *see* D-00258
▷Gravidox, *in* P-00582
▷Gravol, *in* D-00484

▷Greenhartin, *see* H-00157
GRI 1665, *see* P-00530
▷Gripenin *O*, *in* C-00074
▷Griroxil, *see* G-00071
Griseofulvic acid, *in* G-00087
▷Griseofulvin, G-00087
▷Grisovin, *see* G-00087
▷Grofas, *see* Q-00031
Grorm, *see* H-00090
▷Growth hormone release-inhibiting factor, *see* S-00098
GR 53992x, *see* T-00019
▷GS 95, *in* T-00189
GS 015, *see* B-00252
▷GS 1339, *in* O-00012
GS 2147, *see* D-00065
▷GS 2989, *see* M-00044
▷GS 3065, *in* D-00080
GS-3159, *in* C-00045
GS 385, *see* S-00174
▷GS 6244, *see* C-00039
GS 7443, *in* H-00164
▷GS 13332, *see* D-00457
GS 223654, *see* N-00186
G367-S_2, *in* S-00082
GSN (as disodium salt), *in* G-00082
▷GT 1, *in* P-00569
GT 92, *in* C-00601
▷GT 1012, *in* A-00088
▷GTBA, *see* T-00431
▷G-Tril, *see* F-00022
Guabenxan, G-00088
Guacetisal, G-00089
Guafecainol, G-00090
Guaiacol acetylsalicylate, *see* G-00089
▷Guaiacol-3-carboxylic acid, *in* D-00315
▷Guaiacol glycerol ether, *see* G-00095
Guaiacolsulfonic acid, *see* H-00147
Guaiactamine, G-00091
▷Guaiapate, G-00092
Guaiaspir, *see* G-00089
▷Guaiazulene, *see* I-00204
▷*S*-Guaiazulene, *see* I-00204
▷Guaietolin, G-00093
▷Guaifenesin, *see* G-00095
Guaifylline, *in* T-00169
Guaimesal, G-00094
▷Guaiphenesin, G-00095
Guaistene, G-00096
Guaithylline, *in* T-00169
Guajabronc, *see* G-00089
Gualenic acid, *see* I-00205
▷Guamecycline, G-00097
Guanabenz, G-00098
Guanabenz acetate, *in* G-00098
Guanacline, G-00099
▷Guanacline sulfate, *in* G-00099
Guanadrel, G-00100
Guanadrel sulfate, *in* G-00100
Guanamine, *see* D-00136
Guanamprazine, *see* A-00198
Guanazodine, *see* G-00111
▷Guanazole, *see* D-00137
▷Guanazolo, *see* A-00247
▷Guancidine, *see* C-00581
Guanclofine, G-00101
▷Guancydine, *see* C-00581
▷Guaneran, *see* T-00178
▷Guanethidine, G-00102
▷Guanethidine monosulfate, *in* G-00102
▷Guanethidine sulfate, *in* G-00102
Guanfacine hydrochloride, *in* G-00103
Guanfacine, G-00103
Guan-fu base A, *in* H-00136
Guan-fu base B, *in* H-00136
Guan-fu base C, G-00104
Guan-fu base D, G-00105
Guan-fu base E, G-00106
Guan-fu base F, G-00107
Guan-fu base G, *in* H-00136
Guan-fu base Y, G-00108
Guan-fu Base Z, *in* H-00136
Guanidinoacetic acid, G-00109
4-Guanidinobutanoic acid, G-00110
4-Guanidinobutyl syringate, *see* L-00025
4-Guanidinobutyramide, *in* G-00110
4-(1-Guanidino)butyric acid, *see* G-00110
1-(2-Guanidinoethyl)-1,2,3,6-tetrahydro-4-picoline, *see* G-00099
2-Guanidinomethyl-1,4-benzodioxan, *see* G-00115
2-(Guanidinomethyl)-1,4-dioxaspiro[4.5]decane, *see* G-00100
2-(Guanidinomethyl)heptamethylenimine, *see* G-00111
2-(Guanidinomethyl)octahydro-1*H*-azocine, G-00111
Guanidotaurine, G-00112
Guanisoquine, G-00113
Guanisoquin sulfate, *in* G-00113
Guanochlor, G-00114
Guanoclor sulfate, *in* G-00114
Guanoctine, *see* T-00145
Guanoctine hydrochloride, *in* T-00145
Guanofuracin, *see* F-00279
▷Guanothiazone, *see* A-00166
Guanoxabenz, *in* G-00098
Guanoxan, *see* G-00088
Guanoxan, G-00115
Guanoxan sulfate, *in* G-00115
Guanoxyfen, *see* P-00173
Guanoxyfen sulfate, *in* P-00173
Guanutil, *in* G-00115
N-Guanylglycine, *see* G-00109
1-Guanylpyrazole, *see* P-00562
1-Guanylviomycin, *in* V-00050
▷Guaranine, *see* C-00010
▷Guethine, *in* G-00102
▷Guethural, *see* G-00093
▷Gugecin, *see* C-00377
Guiajaverin, *in* P-00082
D-Gulitol, *in* G-00054
▷L-Gulitol, *in* G-00054
▷Gumbaral, *in* A-00068
Gummosinin, *in* H-00114
Guronamin, *in* G-00058
Gutron, *in* M-00369
GVG, *see* A-00260
GX 1296x, *see* T-00019
Gycoren, *in* C-00566
Gycoren, *in* C-00569
GYKI 13504, *in* P-00014
GYKI 41099, *see* C-00493
▷Gynaflex, *see* H-00165
Gynamide, *in* D-00179
▷Gynergen, *in* E-00106
▷Gynimbine, *in* Y-00002
Gynipral, *see* H-00068
▷Gynocyrol, *in* D-00223
▷Gynophen, *in* H-00191
▷Gynorest, *see* D-00624
Gyno-Terazol, *see* T-00086
▷Gyno-Travogen, *in* I-00183
▷Gynovlar, *in* N-00212
▷H 33, *see* B-00423
H 115, *in* C-00211
H 3608, *in* E-00063
H 3625, *see* C-00551
▷H 3749, *see* P-00568
▷H 3774, *see* A-00116
H 4007, *in* M-00099
▷H 4132, *in* D-00587
H 4170, *see* T-00365
▷H 610, *in* F-00038
▷H 814, *in* F-00047
▷H8352, *see* T-00167

H 83/69, *see* T-00289
▷H 88/32, *see* A-00255
H102/09, *in* Z-00015
H 104/08, *in* P-00008
H 110/38, *in* T-00044
H 138/03, *see* P-00002
H 149194, *see* P-00240
H 168/68, *see* O-00044
H 174/70, *see* F-00151
▷HA 106, *in* T-00499
Habekacin, *in* D-00154
▷Hachimycin, H-00001
▷Hae 36801, *see* E-00236
▷Haelan, *see* F-00215
Haemate, *see* F-00003
Haematopoietin 1, *see* I-00080
▷Haematoporphyrin, H-00002
▷Haematoporphyrin IX, *see* H-00002
▷Haemex-G, *see* F-00093
Haemigron, *in* D-00114
▷Haemodan, *see* A-00076
Haemomedical, *see* C-00541
Haemonorm, *see* C-00541
Haemopoietin 3, *see* I-00082
Haemostop, *see* N-00022
Hageman factor, *see* F-00006
▷Halan, *see* B-00294
▷Halazepam, H-00003
▷Halazone, *see* D-00179
▷Halciderm, *see* H-00004
▷Halcimat, *see* H-00004
▷Halcinonide, H-00004
▷Halcion, *see* T-00425
▷Halcort, *see* H-00004
▷Haldol, *see* H-00015
Haldol decanoate, *in* H-00015
▷Haldrate, *in* P-00025
▷Haldrone, *in* P-00025
▷Haldrone *F*, *see* F-00215
▷Halestyn, *see* C-00277
Haletazole, *see* H-00005
Halethazole, H-00005
▷Halidor, *in* B-00042
Halimide, *in* D-00566
▷Halin, *in* B-00325
▷Halinone, *see* B-00313
▷Haloanisone, *see* F-00130
Halocarban, *see* C-00458
Halocortolone, H-00006
Halocrinic acid, *see* B-00276
Halofantrine, H-00007
▷Halofantrine hydrochloride, *in* H-00007
Halofenate, H-00008
▷Halofide, *see* S-00074
Halofuginone, H-00009
Halofuginone hydrobromide, *in* H-00009
▷Halog, *see* H-00004
Halogabide, *see* P-00465
Haloisol, *see* A-00396
Halometasone, H-00010
Halomonth, *in* H-00015
Halonamine, H-00011
Halopemide, H-00012
Halopenium(1+), H-00013
Halopenium chloride, *in* H-00013
Haloperidide, H-00014
Haloperidol decanoate, *in* H-00015
▷Haloperidol, H-00015
Halopredone, H-00016
▷Halopredone acetate, *in* H-00016
Haloprogesterone, H-00017
▷Haloprogin, H-00018
▷Halopropane, *see* B-00320
▷Halopyramine, H-00019
▷Halospor, *in* C-00140
▷Halotestin, *see* F-00195
▷Halotex, *see* H-00018
▷Halothane, *see* B-00294
▷Halovis, *see* B-00294
▷Halox, *see* H-00021
▷Haloxazolam, H-00020
▷Haloxon, H-00021
Halquinol, *see* D-00190
Halquivet, *see* D-00190
▷Hansepran, *see* C-00450
HAPA-B, *in* G-00017
Haptocil, *see* C-00328
▷Harmonyl, *see* D-00093
▷Harringtonine, H-00022
▷Hartasol, *see* P-00491
▷Harvatrate, *in* T-00554
▷Haurymellin, *in* D-00432
Havapen, *see* P-00058
Hayatidine, *in* C-00309
▷Hazol, *in* O-00153
HB 115, *see* N-00129
▷HB 699, *see* M-00071
▷HBF 386, *see* A-00054
HBK, *in* D-00154
HBT, *see* T-00214
▷HC 064, *see* N-00139
HC 1528, *see* D-00041
HC 406, *in* C-00055
▷HC 17B, *in* C-00548
HCFU, *see* C-00082
▷HCG, *see* G-00080
HCG 497, *see* M-00318
HCG 917, *in* P-00110
HE 192, *in* T-00419
▷He 781, *see* T-00158
HE 10004, *see* T-00029
HE 36-953, *see* E-00255
Hebucol, *in* E-00193
Hedaquinium(2+), H-00023
▷Hedaquinium chloride, *in* H-00023
▷Hedex, *in* A-00298
▷HEDSPA, *in* H-00132
Heifex, *in* C-00490
Heitrin, *in* T-00080
▷Helborsid, *in* T-00477
▷Helenalin, H-00024
Helenien, *in* L-00115
Heligal, *in* L-00115
▷Heliomycin, *see* R-00030
Heliophan, *see* T-00507
▷Helkamon, *in* O-00161
▷Hellebrigenin, *in* T-00477
▷Hellebrin, *in* T-00477
▷Helmatac, *see* P-00032
▷Helminate, *see* T-00207
▷Helmirone, *see* H-00021
Helmitol, *in* H-00057
▷Helveticoside, *in* T-00478
Helveticosol 3′,4′-dinitrate, *in* H-00053
▷Hematoporphyrin, *see* H-00002
Hemestal, *in* M-00344
▷Hemetrope, *in* B-00385
Hemidexa, *in* D-00111
▷Heminevrin, *see* C-00238
▷Hemithiamine, *see* C-00238
Hemodal, *in* M-00271
Hemodal (T), *in* D-00333
▷Hemodex, *see* D-00113
▷Hemoflux, *in* P-00598
▷Hemometina, *in* E-00036
Hemorrhagyl, *see* C-00541
β_h-Endorphin, *in* E-00049
Heneicomycin, *in* M-00413
Heneicosafluorotripropylamine, H-00025
▷Henel, *see* T-00535
▷Henna (dye), *see* H-00178
▷HEOD, *see* D-00222

Hepadial, *in* D-00400
Hepadist, *in* H-00039
▷Hepagin, *in* P-00138
▷Heparin, H-00026
Heparin Cofactor, *see* A-00417
▷Heparinic acid, *see* H-00026
Heparin sodium, *in* H-00026
Heparit, *in* P-00570
▷Hepartest, *in* S-00218
Hepasil, *in* F-00040
▷Hep-A-Stat, *see* N-00184
Hepastyl, *in* B-00140
Hepasynthyl, *in* T-00508
▷Hepatestabrome, *in* S-00218
Hepation, *see* M-00016
Hepatolite, *see* D-00536
▷Hepato-Scan, *see* L-00044
▷Hepatosulfalein, *in* S-00218
▷Hepatotestbrom, *in* S-00218
Hepatoxane, *in* T-00508
Hepronicate, *in* H-00072
Hepsal, *in* H-00026
Heptaaluminum heptadecahydroxide bissulfate, *see* A-00160
▷Heptabarb, *see* H-00027
▷Heptabarbital, *see* H-00027
▷Heptabarbitone, H-00027
▷Heptacyclazine, *see* E-00157
1,9-Heptadecadiene-4,6-diyne-3,8-diol, H-00028
▷Heptadorm, *see* H-00027
▷Heptadrine, *see* H-00030
1,1,2,2,3,3,3-Heptafluoro-*N*,*N*-bis(heptafluoropropyl)-1-propanamine, *see* H-00025
▷Heptalgin, *in* P-00138
▷Heptalin, *in* P-00138
▷Heptamalum, *see* H-00027
Heptaminol, H-00029
Heptaminol acefyllinate, *in* H-00029
▷Heptamyl, *in* H-00029
▷2-Heptanamine, H-00030
▷4-Heptanecarboxylic acid, *see* P-00516
▷1,7-Heptanedicarboxylic acid, *see* N-00203
Heptaverine, H-00031
Heptazone, *see* P-00138
▷Heptin, *see* H-00030
Heptolamide, H-00032
Heptomer, *see* G-00030
▷Heptone, *in* P-00138
▷Heptyl cyanide, *in* O-00014
3-Heptyl-7-methoxy-2-methyl-4-quinolinol, *see* M-00259
▷Heptylon, *in* H-00029
▷Hepzide, *see* E-00211
Hepzidine, H-00033
Heraldium, *see* M-00048
▷Hermalone, *in* H-00109
▷Hermaphrodiol, *in* A-00383
▷Hermesetas, *see* S-00002
Hernandion, *in* D-00083
Herniarin, *in* H-00114
▷Heroin, H-00034
▷Herperal, *see* D-00539
▷Herphonal, *see* T-00516
▷Herpid, *see* D-00081
Hesperaline, *in* C-00308
Hetacillin, H-00035
Hetacillin potassium, *in* H-00035
▷Hetaflur, *in* H-00042
▷Hetamine, *in* P-00202
▷Hetangmycin, *see* R-00040
Heteronium(1+), H-00036
▷Heteronium bromide, *in* H-00036
▷Hetol Hoechst, *see* H-00041
1,2,3,4,5,6-Hexa-*O*-acetyl-D-glucitol, *in* G-00054
1,2,3,4,5,6-Hexa-*O*-acetyl-D-mannitol, *in* M-00018
▷Hexabendine, *see* H-00066
▷Hexabenzate, *in* H-00055
1,2,3,4,5,6-Hexa-*O*-benzoyl-D-glucitol, *in* G-00054
1,2,3,4,5,6-Hexa-*O*-benzoyl-*myo*-inositol, *in* I-00074
1,2,3,4,5,6-Hexa-*O*-benzoyl-D-mannitol, *in* M-00018
Hexabiscarbacholine, *in* C-00055
Hexabolan, *in* T-00410
Hexabrix, *in* I-00148
Hexabrix, *in* I-00148
▷Hexacaine, H-00037
Hexacamphamine, *in* H-00057
▷1,2,3,4,5,6-Hexachlorocyclohexane, H-00038
▷2,2′,3,3′,5,5′-Hexachloro-6,6′-dihydroxydiphenylmethane, H-00039
▷1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4*a*,5,6,7,8,8*a*-octahydro-1,4:5,8-dimethanonaphthalene, *see* D-00222
▷Hexachloroethane, H-00040
▷3,4,5,6,9,9-Hexachloro-1*a*,2,2*a*,3,6,6*a*,7,7*a*-octahydro-2,7:3,6-dimethanonaph[2,3-*b*]oxirene, *see* E-00051
▷Hexachlorophane, *see* H-00039
▷Hexachlorophene, *see* H-00039
Hexachlorophene monophosphate, *in* H-00039
▷α,α,α,α′,α′,α′-Hexachloro-*p*-xylene, *see* H-00041
▷Hexachlorxylol, H-00041
▷Hexacillin, *see* M-00042
Hexacitramine, *in* H-00057
Hexacol, *in* A-00126
Hexacyclonic acid, *see* H-00158
▷Hexacyprone, *see* B-00123
▷Hexadecadrol, *see* D-00111
4-[[Hexadecahydro-2-(2-hydroxyethyl)-6,9*a*-dimethyl-12-(1-methylethyl)-1,3-dioxo-3*b*,11-etheno-3*bH*-naphth[2,1-*e*]-isoindol-6-yl]carbonyl]morpholine, *see* I-00224
Hexadecamethylenebis(2-isoquinolinium), *see* H-00023
▷1-Hexadecanamine, *see* H-00042
Hexadecanoic acid (2-pyridinylmethylene)di-4,1-phenylene ester, *see* P-00577
▷Hexadecylamine, H-00042
N-Hexadecyl-*N*,*N*-dimethylbenzenemethanaminium, *see* B-00118
Hexadecyl(2-hydroxycyclohexyl)dimethylammonium, *see* C-00182
N-Hexadecyl-2-hydroxy-*N*,*N*-dimethylcyclohexanaminium, *see* C-00182
Hexadecyl[2-[(*p*-Methoxybenzyl)-2-pyrimidinylamino]ethyl]-dimethylammonium, *see* T-00217
Hexadecylpyridinium(1+), H-00043
Hexadecyltrimethylammonium(1+), H-00044
Hexadifenium, *see* H-00045
Hexadiline, *see* D-00217
▷Hexadimethrine bromide, *in* T-00148
Hexadiphane, *see* D-00512
Hexadiphenium(1+), H-00045
Hexadiphenium bromide, *in* H-00045
Hexadylamine, *see* D-00217
▷Hexa-ex, *see* A-00294
Hexafluorenium(2+), H-00046
▷Hexafluorenium bromide, *in* H-00046
1,1,1,3,3,3-Hexafluoro-2-(fluoromethoxy)propane, H-00047
▷Hexafluoronium bromide, *in* H-00046
Hexafluronium, *see* H-00046
▷Hexahydroadiphenine, *see* D-00606
2,3,4,5,6,7-Hexahydro-1*H*-azepine-1-aceto-2′,6′-xylidide, *see* P-00269
Hexahydro-1*H*-azepine-1-butanoic acid 3-(1,2-dimethylheptyl)-7,8,9,10-tetrahydro-6,6,9-trimethyl-6*H*-dibenzo[*b*,*d*]pyran-1-yl ester, *see* N-00001
▷*N*-[2-[4-[[[[(Hexahydro-1*H*-azepin-1-yl)amino]carbonyl]-amino]sulfonyl]phenyl]ethyl]-5-methyl-3-isoxazolecarboxamide, *see* G-00048
N-[[(Hexahydro-1*H*-azepin-1-yl)amino]carbonyl]-2,3-dihydro-1*H*-indene-5-sulfonamide, *see* G-00039
▷*N*-[[(Hexahydro-1*H*-azepin-1-yl)amino]carbonyl]-4-methylbenzenesulfonamide, *see* T-00344
4-(Hexahydro-1*H*-azepinyl)-2,2-diphenylbutanamide, *see* B-00434
2-(Hexahydro-1*H*-azepin-1-yl)ethyl α-cyclohexyl-3-thiopheneacetate, *see* C-00183
1-(Hexahydro-1*H*-azepin-1-yl)-3-(5-indansulfonyl)urea, *see* G-00039

▷3-(Hexahydro-1*H*-azepin-1-yl)-1-(4-propoxyphenyl)-1-propanone, *see* H-00037

▷1-(Hexahydro-1*H*-azepin-1-yl)-3-(*p*-tolysulfonyl)urea, *see* T-00344

▷[2-(Hexahydro-1(2*H*)-azocinyl)ethyl]guanidine, *see* G-00102

▷*N*-[[(Hexahydrocyclopenta[*c*]pyrrol-2(1*H*)-yl)amino]carbonyl]-4-methylbenzenesulfonamide, *see* G-00037

▷1-(Hexahydrocyclopenta[*c*]pyrrol-2(1*H*)-yl)-3-(*p*-tolylsulfonyl)-urea, *see* G-00037

▷Hexahydrodesoxyephedrine, *see* M-00242

5,6,6*a*,12*a*,13*a*,14-Hexahydro-4,8-dimethoxy-6,6-dimethyl-12*H*,13*H*-[1]benzopyrano[3,2-*b*]xanthen-13-one, *see* P-00103

Hexahydro-8,9-dimethoxy-2-methylbenzo[*c*][1,6]naphthyridin-6-yl)acetanilide, *see* B-00035

N-[4-(1,2,3,4,4*a*,10*b*-Hexahydro-8,9-dimethoxy-2-methylbenzo[*c*][1,6]naphthyridin-6-yl)phenylacetamide, *see* B-00035

▷1,3,4,6,7,11*b*-Hexahydro-9,10-dimethoxy-3-(2-methylpropyl)-2*H*-benzo[9]quinolizin-2-one, *see* T-00102

2,3,5,6,7,8-Hexahydro-8,8-dimethoxy-2-phenylimidazo[1,2-*a*]-pyridine, *see* O-00083

1,2,3,4,5,10-Hexahydro-3,10-dimethylazepino[4,5-*d*]-dibenz[*b*,*f*]azepine, *see* E-00111

1′,2′,3′,4′,5′,6′-Hexahydro-4,6-dimethyl-2-biphenylol, *see* C-00608

▷6,7,8,9,10,11-Hexahydro-*N*,*N*-dimethyl-5*H*-cyclooct[*b*]indole-5-propanamine, *see* I-00157

▷Hexahydro-3*a*,7*a*-dimethyl-4,7-epoxyisobenzofuran-1,3-dione, *see* C-00028

2,3,4,5,6,7-Hexahydro-1,4-dimethyl-1,6-methano-1*H*-4-benzazonin-10-ol, *see* E-00097

▷1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol, *see* P-00093

8,9,10,11,11*a*,12-Hexahydro-8,10-dimethyl-7*aH*-naphtho[1′,2′:5,6]pyrano[3,2-*c*]pyridin-7*a*-ol, *see* N-00049

N-(1,2,3,4,4*a*,9*b*-Hexahydro-8,9*b*-dimethyl-3-oxo-4-dibenzofuranyl)-4-methyl-1-piperazinepropanamide, *see* T-00042

▷1,2,3,4,5,6-Hexahydro-6,11-dimethyl-3-(2-phenethyl)-2,6-methano-3-benzazocin-8-ol, *see* P-00147

Hexahydro-1,3-dimethyl-4-phenyl-1*H*-azepine-4-carboxylic acid, H-00048

Hexahydro-1,3-dimethyl-4-phenyl-1*H*-azepin-4-ol propanoate (ester), *see* P-00469

2,3,4,4*a*,5,9*b*-Hexahydro-2,8-dimethyl-1*H*-pyrido[4,3-*b*]indole, *see* D-00175

▷(1,3,4,5,6,7-Hexahydro-1,3-dioxo-2*H*-isoindol-2-yl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate, *see* T-00143

Hexahydro-α,α-diphenyl-1*H*-azepine-1-butanamide, *see* B-00434

Hexahydro-α,α-diphenylpyrrolo[1,2-*a*]pyrazine-2(1*H*)-butanamide, *see* P-00348

Hexahydro-1*H*-furo[3,4-*c*]pyrrole, H-00049

[2-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1,6-nonadiynyl)-2(1*H*)-pentalenylidene]ethoxy]acetic acid, *see* C-00323

4-[2-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1,6-nonadiynyl)-2(1*H*)-pentalenylidene]ethoxy]butanoic acid, *see* E-00096

5-[Hexahydro-5-hydroxy-4-(3-hydroxy-4-methyl-1-octen-6-ynyl)-2(1*H*)-pentalenylidene]pentanoic acid, *see* I-00023

4-[[3,3*a*,4,5,6,6*a*-Hexahydro-5-hydroxy-4-(3-hydroxy-1-octenyl)-cyclopenta[*b*]pyrrol-2-yl]thio]butanoic acid methyl ester, *see* T-00279

5-[Hexahydro-5-hydroxy-6-(3-hydroxy-1-octenyl)-3*a*-methyl-2(1*H*)-pentalenylidene]pentanoic acid, *see* C-00393

1-(1,2,3,4,5,6-Hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-6-methyl-3-heptanone, *see* Z-00008

1-(1,2,3,4,5,6-Hexahydro-8-hydroxy-3,6,11-trimethyl-2,6-methano-3-benzazocin-11-yl)-3-octanone, *see* T-00379

▷1,3,4,6,7,11*b*-Hexahydro-3-isobutyl-9,10-dimethoxybenzo[*a*]-quinolizin-2-one, *see* T-00102

Hexahydromenaquinone 9, *in* V-00065

4*a*,5,9,10,11,12-Hexahydro-3-methoxy-11-methyl-6*H*-benzofuro[3*a*,3,2-*ef*][2]benzazepin-6-ol, *see* G-00002

Hexahydro-4-methoxy-8-methyl-7*a*-(1-piperidinylmethyl)-2,5-methanocyclopenta-1,3-dioxin-7-ol, *see* V-00005

1,2,3,4,10,14*b*-Hexahydro-2-methyldibenzo[*c*,*f*]pyrazino[1,2-*a*]-azepine, *see* M-00360

2-(Hexahydro-1-methyl-3-indolinyl)ethyl benzilate, *see* M-00181

Hexahydro-2-methyl-4-phenyl-4-azepinecarboxylic acid, H-00050

2,3,3*a*,4,5,6-Hexahydro-8-methyl-1*H*-pyrazino[3,2,1-*jk*]-carbazole, *see* P-00340

[(1,2,6,7,8,8*a*-Hexahydro-2-oxo-3-acenaphthylenyl)amino]-oxoacetic acid, *see* O-00079

Hexahydro-2-oxo-1*H*-thieno[3,4-*d*]imidazole-4-pentanoic acid, *see* B-00173

5-(Hexahydro-2-oxo-1*H*-thieno[3,4-*d*]imidazol-4-yl)-2-pentenoic acid, *see* D-00048

1,3,6,7,8,9-Hexahydro-5-phenyl-2*H*-[1]benzothieno[2,3-*e*]-1,4-diazepin-2-one, *see* B-00066

3,4,4*a*,5,6,10*b*-Hexahydro-4-propyl-2*H*-naphth[1,2-*b*]-1,4-oxazin-9-ol, *see* N-00053

▷Hexahydropyrazine, *see* P-00285

1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, H-00051

Hexahydro-2-[4-[4-(2-pyrimidinyl)-1-piperazinyl]butyl]-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *see* T-00026

10-[3-(Hexahydropyrrolo[1,2-*a*]pyrazin-2(1*H*)-yl)-1-oxopropyl]-2-(trifluoromethyl)-10*H*-phenothiazine, *see* A-00497

Hexahydro-4-[3-[2-(trifluoromethyl)-10*H*-phenothiazin-10-yl]-propyl]-1*H*-1,4-diazepine-1-ethanol, *see* H-00084

5,5*a*,6,7,8,8*a*-Hexahydro-3-[2-[4-[3-(trifluoromethyl)-phenyl]-1-piperazinyl]ethyl]cyclopenta[3,4]pyrrolo[2,1-*c*]-1,2,4-triazole, *see* L-00099

1,2,6,7,8,8*a*-Hexahydro-β,δ,6-trihydroxy-2-methyl-8-(2-methyl-1-oxobutoxy)-1-naphthaleneheptanoic acid, *see* P-00403

1,2,3,4,5,6-Hexahydro-3,6,11-trimethyl-2,6-methano-3-benzazocin-8-ol, *see* M-00155

1,2,3,4,5,6-Hexahydro-6,11,11-trimethyl-3-(3-methyl-2-butenyl)-2,6-methano-3-benzazocin-8-ol, *see* I-00003

2,3,4,4*a*,9,9*a*-Hexahydro-2,4*a*,9-trimethyl-1,2-oxazino[6,5-*b*]-indol-6-ol methylcarbamate, *see* G-00016

▷1,2,3,3*a*,8,8*a*-Hexahydro-1,3*a*,8-trimethylpyrrolo[2,3-*b*]-indol-5-ol methylcarbamate (ester), *see* E-00122

2,3,3′,4,4′,5′-Hexahydroxybenzophenone, H-00052

1,3,5,11,14,19-Hexahydroxy-20(22)-cardenolide, H-00053

▷1,1′,6,6′,7,7′-Hexahydroxy-3,3′-dimethyl-5,5′-bis(1-methylethyl)-[2,2′-binaphthalene]-8,8′-dicarboxaldehyde, *see* G-00082

3,3′,4,4′,5,7-Hexahydroxyflavan, H-00054

2β,3β,14,20,22*R*,28-Hexahydroxy-6-oxo-7-ergosten-26-oic acid, γ-lactone, *in* C-00584

▷2,3,14,20,22,28-Hexahydroxy-6-oxostigmast-7-en-26-oic acid γ-lactone, *see* C-00584

N,*N*,*N*′,*N*′,*N*″,*N*″-Hexakis(2-hydroxyethyl)-2,4,6-triiodo-1,3,5-benzenetricarboxamide, *see* I-00136

Hexal, *in* H-00057

Hexalet, *in* H-00057

Hexalgon, *see* D-00510

Hexamarium, *see* D-00540

Hexametazime, *see* E-00278

Hexamethamide, *see* B-00434

▷Hexamethonium(2+), H-00055

▷Hexamethonium bromide, *in* H-00055

▷Hexamethonium iodide, *in* H-00055

Hexamethonium tartrate, *in* H-00055

N,*N*,*N*,*N*′,*N*′,*N*′-Hexamethyl-1,10-decanediaminium, *see* D-00036

N,*N*,*N*,*N*′,*N*′,*N*′-Hexamethyl-4,13-dioxa-3,14-dioxa-5,12-diazahexadecane-1,16-diaminium, *see* C-00055

▷2,2,4,6,6,8-Hexamethyl-4,8-diphenylcyclotetrasiloxane, H-00056

Hexamethylenamine mandelate, *in* H-00057

Hexamethylenebis(carbamoylcholine), *see* C-00055
▷1,1′-Hexamethylenebis[5-(*p*-chlorophenyl)biguanide], *see* C-00206
Hexamethylenebis[dimethyl[1-methyl-3-(2,2,6-trimethylcyclohexyl)propyl]]ammonium, *see* T-00448
1,1′-Hexamethylenebis[5-(2-ethylhexyl)biguanide, *see* A-00107
Hexamethylenebis[fluoren-9-yldimethyl]ammonium, *see* H-00046
α,α′-[Hexamethylenebis(iminomethylene)]bis[3,4-dihydroxybenzyl alcohol], *see* H-00068
▷Hexamethylenebis(trimethylammonium), *see* H-00055
4,4′-(Hexamethylenedioxy)dibenzamidine, *see* H-00058
▷Hexamethylenetetramine, H-00057
▷β-(*N*-Hexamethylenimino)-*p*-propoxypropiophenone, *see* H-00037
▷*N*,*N*,*N*,*N*′,*N*′,*N*′-Hexamethyl-1,6-hexanediaminium, *see* H-00055
▷Hexamethylmelamine, *see* T-00535
N,*N*,*N*,*N*′,*N*′,*N*′-Hexamethyl-1,5-pentanediaminium, *see* P-00084
▷*N*,*N*,*N*′,*N*′,*N*″,*N*″-Hexamethyl-1,3,5-triazine-2,4,6-triamine, *see* T-00535
▷Hexamic acid, *see* C-00623
Hexamidine, H-00058
▷Hexamine, *see* H-00057
Hexamine hippurate, *in* H-00057
4,4′-[1,6-Hexanediylbis[imino(1-hydroxy-2,1-ethanediyl)]]-bis-1,2-benzenediol, *see* H-00068
3,3′-[1,6-Hexanediylbis[(methylimino)carbonyl]oxy]bis(1-methyl)pyridinium, *see* D-00540
4,4′-[1,6-Hexanediylbis(oxy)]bisbenzenecarboximidamide, *see* H-00058
Hexanestrol, *see* B-00220
▷Hexanicotinoylinositol, *in* I-00074
▷Hexanium, *in* E-00035
Hexanoestrol, *in* B-00220
20-Hexanoylcamptothecin, *in* C-00024
20-Hexanoyl-10-methoxycamptothecin, *in* C-00024
Hexaoctacontaoxononaantimonateheneicosatungstate(19−), H-00059
Hexapradol, H-00060
Hexaprazol, *see* E-00120
▷Hexaprofen, *see* C-00621
▷Hexapropymate, H-00061
Hexasonium(1+), H-00062
▷Hexasonium iodide, *in* H-00062
Hexaspray, *see* B-00155
▷Hexastat, *see* T-00535
▷Hexathide, *in* H-00055
Hexazole, *see* C-00609
Hexcarbacholine bromide, *in* C-00055
Hexedine, H-00063
Hexemal calcium, *in* C-00596
threo-Hex-2-enonic acid γ-lactone, *see* A-00456
Hexestrol, *see* B-00220
Hexestrol diacetate, *in* B-00220
Hexestrol dicaprylate, *in* B-00220
Hexestrol diphosphate, *in* B-00220
Hexestrol dipropionate, *in* B-00220
Hexetidine, H-00064
Hexinol, *see* C-00608
▷Hexobarbital, H-00065
▷Hexobarbitone, *see* H-00065
▷Hexobarbitural, *see* H-00065
▷Hexobendine, H-00066
Hexobutyramide, *see* E-00192
▷Hexocyclium(1+), H-00067
▷Hexocyclium methylsulfate, *in* H-00067
▷Hexocyclium metilsulfate, *in* H-00067
Hexoestrol, *see* B-00220
Hexomedine, *in* H-00058
Hexonat, *in* H-00055
▷Hexonium *B*, *in* H-00055
▷Hexopal, *in* I-00074
Hexoprenaline, H-00068
▷Hexoprenaline hydrochloride, JAN, *in* H-00068
▷Hexoprenaline sulfate, JAN, *in* H-00068
Hexopyrronium(1+), H-00069
Hexopyrronium bromide, *in* H-00069
xylo-2-Hexulosonic acid, H-00070
threo-Hexulosono-1,4-lactone-2,3-enediol, *see* A-00456
Hexuronic acid, *see* A-00456
▷4-Hexyl-1,3-benzenediol, H-00071
Hexylcaine, *in* A-00318
▷Hexylcaine hydrochloride, *in* A-00318
1-Hexylcarbamoyl-5-fluorouracil, *see* C-00082
▷Hexyl-2,4-dihydroxybenzene, *see* H-00071
2-Hexyl-5-hydroxycyclopentaneheptanoic acid, *see* R-00093
2-Hexyl-2-(hydroxymethyl)-1,3-propanediol, H-00072
2-Hexyl-2-(hydroxymethyl)-1,3-propanediol trinicotinate, *in* H-00072
1-Hexyl-4-[[(2-methylpropyl)imino]phenylmethyl]piperazine, *see* B-00334
5-Hexyl-7-(*S*-methylsulfonimidoyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, *see* S-00175
▷2-(Hexyloxy)benzamide, H-00073
p-(Hexyloxy)benzilic acid 2-(diethylamino)ethyl ester, *see* T-00381
4-(Hexyloxy-α-hydroxy-α-phenylbenzeneacetic acid 2-(diethylamino)ethyl ester, *see* T-00381
2-[3-(Hexyloxy)-2-hydroxypropoxy]benzoic acid, *see* E-00280
9-[4-(Hexyloxy)phenyl]-10-methylacridinium(1+), H-00074
N-[(4-Hexyl-1-piperazinyl)phenylmethylene]-2-methyl-1-propanamine, *see* B-00334
▷Hexylresorcin, *see* H-00071
▷Hexylresorcinol, *see* H-00071
▷4-Hexylresorcinol, *see* H-00071
Hexyltheobromine, *in* T-00166
Hf 30, *see* P-00063
▷HF 37, *in* G-00111
▷HF 1854, *see* C-00521
▷HF 1927, *see* D-00156
▷HF 2159, *see* C-00507
▷HF 2333, *see* P-00126
HF 241, *see* B-00348
▷HF 264, *see* U-00002
▷HGF, *see* G-00051
▷HG-factor, *see* G-00051
HH50, *see* N-00205
HH 105, *in* B-00399
▷HH184, *see* P-00546
HH 10018, *see* V-00004
HI 42, *see* D-00600
▷HI 47, *see* T-00569
▷Hializan, *see* O-00098
▷Hibicon, *see* B-00022
▷Hibistat, *in* P-00491
▷HIDA, *see* L-00044
Hidramicin, *in* S-00161
▷Hidrix, *see* H-00220
Hidroferol, *see* H-00221
Hidrox, *see* Q-00021
▷High-Furan, *see* N-00190
▷Hikizimycin, H-00075
H-Insulin, *in* I-00076
▷Hioxyl, *see* H-00100
Hipertan, *in* M-00369
Hipertensal, *in* G-00103
▷Hipnogal, *in* T-00450
▷Hipoglicil, *see* A-00023
▷Hipolixan, *see* D-00443
▷Hippodin, *in* I-00101
▷Hippophaine, *see* H-00218
▷Hippuran, *in* I-00101
Hiprex, *in* H-00057
Hipsalazine disodium, *in* I-00166
Hirkan, *in* B-00399
Hisfen, *see* H-00076
▷Hisindamon, *in* C-00207
▷Hismanal, *see* A-00466

Hisphen, H-00076
Histabromazine, *see* B-00299
▷Histabutazine, *see* B-00339
▷Histacur, *in* C-00418
▷Histadonylamine succinate, *in* D-00598
▷Histadyl, *in* M-00171
Histadyl fumarate, *in* M-00171
Histalog, *see* A-00256
▷Histamine, H-00077
Histamine dihydrochloride, *in* H-00077
Histamine phosphate, *in* H-00077
Histamyl, *in* H-00077
Histantin, *in* C-00198
▷Histantine, *see* D-00403
Histaphen, *see* M-00059
Histapon, *in* H-00077
▷Histapyridamine, *see* P-00157
Histapyrrodine, H-00078
▷Histex, *in* D-00484
Histimin, *see* A-00256
▷Histol, *in* C-00294
Histomibal, *in* D-00372
▷Histomon, *see* N-00132
Histoplasmin, H-00079
▷Histostat, *see* N-00184
Histrelin, H-00080
▷Histryl, *in* D-00514
Hitachimycin, H-00081
Hi-Ti, *see* H-00103
Hitocobamin-*M*, *see* M-00241
HK 26, *see* D-00497
HK 137, *in* F-00044
▷HK256, *in* P-00422
▷HK 5031, *in* D-00387
▷HL 2186, *in* T-00006
▷HL 255, *see* B-00313
▷HL 267, *in* D-00480
HL523, *in* G-00110
HL 74/2, *in* B-00217
HLB 817, *see* C-00665
▷HM 11, *see* D-00442
HMDP, *see* H-00146
▷HMG, *see* H-00170
▷HMM, *see* T-00535
Hoe 019, *in* F-00041
Hoe 062, *in* R-00097
Hoe 105, *in* F-00248
▷Hoe 118, *see* P-00323
▷Hoe 153, *see* B-00240
Hoe 175, *see* R-00015
Hoe 224, *see* P-00001
Hoe 260, *see* D-00462
▷Hoe 296, *in* C-00612
HOE 2910, *see* B-00058
▷Hoe 304, *see* D-00102
HOE 409, *see* A-00438
Hoe 467*A*, *see* T-00067
Hoe 473, *see* A-00043
Hoe 498, *in* R-00008
Hoe 740, *see* T-00331
Hoe 760, *in* R-00097
▷Hoe 766, *see* B-00377
Hoe 777, *see* P-00410
Hoe 825, *see* O-00002
Hoe 843, *see* I-00041
▷Hoe 881, *see* F-00037
Hoe 892, *see* T-00279
Hoe 991, *see* F-00127
▷Hoe 9980, *see* F-00070
▷Hoe 10116, *in* F-00071
Hoe 12494, *in* F-00070
▷Hoe 16842, *see* D-00369
Hoechst 088, *see* P-00331
Hoechst 239, *see* F-00098
Hoechst 365, *see* L-00021
Hoechst 428, *see* S-00224
Hoechst 433, *see* A-00152
▷Hoechst 440, *in* T-00236
Hoechst 757, *see* T-00383
▷Hoechst 10446, *see* H-00189
Hoechst 10495, *see* D-00510
▷Hoechst 10582, *see* D-00407
▷Hoechst 10600, *in* P-00138
▷Hoechst 10720, *see* K-00014
Hoechst 10805, *see* D-00509
Hoechst 12771, *see* P-00359
Hoechst 13233, *see* B-00390
▷Hoechst 15239, *see* B-00335
▷Hoechst 15972, *see* M-00146
▷Hoechst 40045, *in* C-00103
▷Hoechst 41004, *see* F-00062
▷Hoechst 42-440, *in* T-00236
▷Hoe 893d, *in* P-00059
Hoe 296V, *in* D-00317
▷HOG, *see* P-00183
Hogpax, *see* A-00365
▷Hokunalin, *in* B-00426
▷Holestan, *see* C-00307
Holin-Depot, *in* O-00030
▷Holocaine, *see* P-00135
▷Holoxan, *see* I-00021
Homactid, *see* O-00006
Homarylamine, *in* M-00253
▷Homat, *see* H-00082
▷Homatrisol, *in* H-00082
▷Homatrocel, *see* H-00082
▷Homatropine, H-00082
▷Homatropine hydrobromide, *in* H-00082
▷Homatropine methylbromide, *in* H-00082
▷Homidium, *see* D-00132
▷Homidium bromide, *in* D-00132
Homoarterenol, *see* A-00249
▷Homochlorcyclizine, H-00083
▷Homochlorcyclizine hydrochloride, JAN, *in* H-00083
Homodeoxyharringtonine, *in* H-00022
Homofarnesylic acid, *see* T-00513
Homofenazine, H-00084
Homogarol, *see* E-00075
▷Homoharringtonine, *in* H-00022
Homomenthyl salicylate, *see* T-00507
▷Homomycin, *see* H-00223
▷Homomyrtenyl-β-(diethylamino)ethyl ether, *see* M-00478
▷D-Homo-17*a*-oxaandrosta-1,4-diene-3,17-dione, *see* T-00100
Homopantothenic acid, *in* H-00088
▷Homopiperonylamine, *see* M-00253
Homopipramol, H-00085
Homosalate, *see* T-00507
4-Homosulfanilamide, *see* M-00002
Homosulphasalazine, H-00086
▷Homovanillin, *in* D-00311
Homprenophine, H-00087
Honghelin, *in* D-00274
Hongkelin, *in* D-00274
Honokiol, *see* D-00522
▷Honvol, *in* D-00257
H.O.P., *in* H-00202
HOPA, *in* H-00088
▷Hopanal, *in* H-00088
▷Hopantenic acid, H-00088
▷Hopate, *in* H-00088
Hoquizil, H-00089
Hoquizil hydrochloride, *in* H-00089
▷Hormobago, *in* H-00110
▷17-Hormoforin, *in* H-00110
▷Hormonisene, *see* C-00290
Hormostilboral stark, *in* D-00257
▷Hospex, *see* P-00090
▷Hostabloc, *in* P-00059
Hostacain, *in* B-00390
Hovigal, *in* O-00031
▷HP 129, *see* F-00045
▷HP 1275, *in* M-00282

HP 1598, *in* P-00173
HP 213, *see* S-00016
HP 494, *in* F-00214
HP-522, *see* B-00276
▷HP 549, *see* I-00216
HPA, *see* H-00197
HPA 23, *in* H-00059
HPED, *see* P-00380
HPEK 1, *see* T-00137
hp GRF (1-44)NH_2, *see* S-00097
HPQ, *see* P-00356
▷HPSTI, *see* A-00432
▷HQ 495, *see* A-00081
HR 001, *see* Z-00034
HR 109, *in* C-00138
HR 158, *in* L-00089
HR 175, *see* R-00015
HR 221, *see* C-00134
HR 375, *in* C-00384
HR 459, *see* P-00196
HR 580, *see* C-00148
▷HR 756, *in* C-00138
HR 810, *see* C-00144
HR 837, *see* T-00244
HR 930, *see* F-00253
HRF, *in* L-00116
HRP 543, *in* D-00023
HRP 913, *in* N-00062
HS 310, *in* C-00188
HSp 2986, *in* D-00490
HSR 770, *in* I-00048
▷HT-11, *see* C-00482
HT 1479, *in* D-00395
Hubber-Lip, *in* C-00456
Huberdilat, *in* C-00183
▷Hubernol, *see* F-00245
▷Hubersil, *see* B-00167
HUF 2446, *in* C-00448
HUK 978, *see* T-00576
Humacthid, *see* O-00006
▷Human chorionic gonadotropin, *see* G-00080
Human GRF (1-29) NH2, *see* S-00049
Human insulin, INN, BAN, USAN, *in* I-00076
Human pituitary growth hormone, H-00090
Human PTH (1-34), *see* T-00091
Humatrope, *see* S-00099
Huminsulin, *in* I-00076
Humorsol, *in* D-00061
Huntericine, *see* E-00003
Hustazol, *in* C-00482
▷Hustel, *see* T-00311
HWA 285, *see* P-00495
HWA 486, *see* L-00019
Hy 185, *in* T-00438
▷Hyalase, *see* H-00092
Hyalosidase, H-00091
▷Hyaluronidase, H-00092
Hyaluronoglucosaminidase, *see* H-00091
Hyaluronoglucosidase, *see* H-00091
Hyamate, *see* H-00129
Hyanilid, *in* H-00112
▷Hyason, *see* H-00092
▷Hycanthone, H-00093
▷Hycanthone mesylate, *in* H-00093
Hycholin, *in* P-00091
Hydaltrone TBA, *in* P-00412
Hydeltra TBA, *in* P-00412
▷Hydiphen, *in* C-00472
Hydrabamine penicillin, *in* B-00126
Hydracarbazine, *see* H-00097
▷Hydral, *in* H-00096
▷Hydralazine, *see* H-00096
▷Hydralazine hydrochloride, *in* H-00096
Hydrametracine, *see* M-00073
Hydramitrazine, *see* M-00073
▷Hydramon, *in* M-00147
Hydramycin, *in* D-00080
▷Hydran AB, *in* C-00067
▷Hydrangin, *see* H-00114
▷Hydraphen, *see* H-00094
▷Hydrapred, *in* T-00554
▷Hydrargaphen, H-00094
Hydrastidine, *in* H-00095
▷Hydrastine, H-00095
Hydrastine a, *in* H-00095
Hydrastine b, *in* H-00095
3-Hydrazino-6-[*N*,*N*-bis(2-hydroxyethyl)amino]pyridazine, *see* O-00100
3-[(Hydrazinocarbonyl)oxy]-8-azabicyclo[3.2.1]octane-8-carboxylic acid phenyl ester, *see* T-00546
▷α-Hydrazino-3,4-dihydroxy-α-methylbenzenepropanoic acid, *see* C-00050
▷α-Hydrazino-3,4-dihydroxy-α-methylhydrocinnamic acid, *see* C-00050
▷β-Hydrazinoethylbenzene, *see* P-00189
(Hydrazinomethyl)cyclohexane, *see* C-00616
2-Hydrazinooctane, *see* M-00258
▷2-Hydrazino-1-phenylpropane, *see* M-00289
▷1-Hydrazinophthalazine, H-00096
6-Hydrazino-3-pyridazinecarboxamide, H-00097
2,2′-[(6-Hydrazino-3-pyridazinyl)imino]diethanol, *see* O-00100
1-[(6-Hydrazino-3-pyridazinyl)methylamino]-2-propanol, *see* P-00251
1-Hydrazino-4-(4-pyridylmethyl)phthalazine, *see* P-00238
▷Hydrazinoxane, *in* D-00575
▷Hydrea, *see* H-00220
▷Hydrenox, *see* H-00099
Hydrion, *see* A-00174
Hydrobentizide, *in* B-00103
Hydrobutamine, *see* B-00403
Hydrochlobuthiazide, *see* B-00401
▷Hydrochlorbenzethylamine, *see* E-00246
▷Hydrochlorothiazide, H-00098
Hydrocinchonine, *in* C-00358
▷Hydrocinnamic alcohol, *see* P-00201
▷Hydrocodone, *in* H-00102
Hydrocodone bitartrate, *in* H-00102
▷Hydrocodone polistirex, USAN, *in* H-00102
▷Hydroconchinene, *in* Q-00027
▷Hydroconquinine, *in* Q-00027
Hydrocortamate, *in* C-00548
Hydrocortisene 21-xanthogenic acid, *in* C-00548
▷Hydrocortisone, *see* C-00548
Hydrocortisone aceponate, *in* C-00548
▷Hydrocortisone acetate, *in* C-00548
▷Hydrocortisone bendazac, *in* C-00548
Hydrocortisone butylacetate, *in* C-00548
▷Hydrocortisone butyrate, *in* C-00548
▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548
Hydrocortisone cypionate, *in* C-00548
Hydrocortisone hemisuccinate, *in* C-00548
▷Hydrocortisone phosphate, *in* C-00548
▷Hydrocortisone sodium succinate, *in* C-00548
Hydrocortisone tebutate, *in* C-00548
Hydrocortisone valerate, *in* C-00548
▷Hydrocortone, *see* C-00548
▷Hydrocortone sodium phosphate, *in* C-00548
Hydrocortone TBA, *in* C-00548
Hydrocupreine, *in* C-00574
▷Hydroergotocin, *see* Y-00002
Hydroestryl, *in* D-00257
▷Hydroflumethiazide, H-00099
▷Hydrogen dioxide, *see* H-00100
▷Hydrogen peroxide, H-00100
β-Hydrojuglone, *in* H-00179
Hydromadinone, *in* C-00248
Hydromercury, *in* H-00191
Hydromet, *in* M-00249
Hydromorphinol, H-00101

▷Hydromorphone, H-00102
▷Hydromorphone hydrochloride, *in* H-00102
Hydromox, *see* Q-00021
Hydronol, *see* D-00144
▷Hydroperoxide, *see* H-00100
▷Hydroquine, *in* Q-00027
▷Hydroquinidine, *in* Q-00027
Hydroquinine, *in* Q-00028
▷Hydroquinol, *see* B-00074
▷Hydroquinone, *see* B-00074
▷Hydroquinonecarboxylic acid, *see* D-00316
Hydroquinonesulfonic acid, *see* D-00313
▷Hydrosept, *in* C-00289
Hydrotalcite, H-00103
Hydrothiaden, *in* D-00420
▷Hydrotrichlorothiazide, *see* T-00439
▷Hydroxamethocaine, H-00104
Hydroxindasate, *in* H-00105
Hydroxindasol, H-00105
11-Hydroxy-7,9(11),13-abietatriene-6,12-dione, *see* T-00035
▷*N*-Hydroxyacetamide, H-00106
▷3-Hydroxyacetanilide, *in* A-00297
▷4-Hydroxyacetanilide, *in* A-00298
▷β-Hydroxy-*p*-acetophenetidine salicylic acid acetate, *see* E-00144
2-Hydroxyacetophenone, H-00107
8-(Hydroxyacetyl)-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* A-00080
9-Hydroxyaclacinomycin A, *in* A-00042
α-Hydroxyalprazolam, *in* A-00150
Hydroxyamfetamine, *see* A-00322
2-Hydroxy-5-aminobenzonitrile, *in* A-00266
5-Hydroxy-6-[2-amino-2-(carboxyethyl)thio]-7,9,11,14-eicosatetraenoic acid, *see* S-00136
N-[4-(Hydroxyamino)-1,4-dioxo-2-(phenylmethyl)butyl]-L-alanine, *see* K-00007
Hydroxyamphetamine, *see* A-00322
▷Hydroxyamphetamine hydrobromide, *in* A-00322
▷*p*-Hydroxyampicillin, *see* A-00364
17-Hydroxy-1,4-androstadien-3-one, H-00108
17-Hydroxy-3-androstanone, H-00109
3-Hydroxy-5-androsten-17-one, H-00110
17-Hydroxy-4-androsten-3-one, H-00111
▷*m*-Hydroxyaniline, *see* A-00297
▷*p*-Hydroxyaniline, *see* A-00298
3-Hydroxyanisaldehyde, *in* D-00311
30-Hydroxyansamitocin *P*-1, *in* M-00027
30-Hydroxyansamitocin P-2, *in* M-00027
30-Hydroxyansamitocin P-3, *in* M-00027
30-Hydroxyansamitocin P-4, *in* M-00027
5-Hydroxyanthranilic acid, *see* A-00262
7-Hydroxyaristolochic acid A, *see* H-00151
4-Hydroxy-*m*-arsanilic acid form aldehydesulfoxylate, *see* P-00146
2-Hydroxybenozic acid 3-(2,5-dimethyl-1-pyrrolidinyl)-propyl ester, *see* P-00401
▷2-Hydroxybenzamide, *in* H-00112
4-Hydroxybenzamide, *in* H-00113
3-Hydroxybenzanilide, *in* A-00297
4-Hydroxybenzanilide, *in* A-00298
▷Hydroxybenzene, *see* P-00161
▷α-Hydroxybenzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]-oct-3-yl ester, *see* H-00082
α-Hydroxybenzeneacetic acid 1,2,2,6-tetramethyl-4-piperidinyl ester, *see* E-00267
▷α-Hydroxybenzeneacetic acid 3,3,5-trimethylcyclohexyl ester, *see* C-00586
2-Hydroxybenzenecarbodithioic acid, *see* H-00127
▷2-Hydroxybenzenemethanol, *see* H-00116
2-Hydroxybenzenethionothiolic acid, *see* H-00127
α-Hydroxy-1,3-benzodioxole-5-ethanimidamide, *see* O-00039
▷2-Hydroxybenzoic acid, H-00112
▷4-Hydroxybenzoic acid, H-00113
▷2-Hydroxybenzoic acid 2-carboxyphenyl ester, *see* S-00015
▷2-Hydroxybenzoic acid methyl ester, *see* M-00261
▷4-Hydroxybenzoic acid [(5-nitro-2-furanyl)methylene]hydrazide, *see* N-00126
▷*p*-Hydroxybenzoic acid 5-nitrofurfurylidenehydrazide, *see* N-00126
▷*o*-Hydroxybenzoic acid 5-sulfonic acid, *see* H-00214
2-Hydroxybenzoic acid 3-sulfopropyl ester, *see* S-00260
▷4-Hydroxybenzonitrile, *in* H-00113
▷7-Hydroxy-2*H*-1-benzopyran-2-one, H-00114
2-Hydroxy-1,4-benzoquinone-4-imine, *see* H-00141
6-Hydroxy-1,3-benzoxathiol-2-one, *see* T-00214
4-(2-Hydroxybenzoyl)morpholine, H-00115
3-[(2-Hydroxybenzoyl)oxy]-1-propanesulfonic acid, *see* S-00260
▷*O*-(2-Hydroxybenzoyl)salicylic acid, *see* S-00015
▷2-Hydroxybenzyl alcohol, H-00116
▷α-Hydroxybenzyl phenyl ketone, *see* B-00093
5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid, H-00117
2-Hydroxy[1,1′-biphenyl]-3-carboxylic acid 2-(diethylamino)-ethyl ester, *see* X-00010
▷3-Hydroxy-4,5-bis(hydroxymethyl)-2-methylpyridine, *see* P-00582
▷12′-Hydroxy-2′,5′-bis(1-methylethyl)ergotaman-3′,6′,18-trione, *see* E-00101
4-Hydroxy-6,7-bis(2-methylpropoxy)-3-quinolinecarboxylic acid ethyl ester, *see* B-00373
9-Hydroxy-19,20-bisnorprostanoic acid, *see* R-00093
[4-(Hydroxybis-2-thienylmethyl)cyclohexyl]trimethyl-ammonium(1+), *see* T-00190
1-(2-Hydroxy-3-bornyl)-3-(*p*-tolylsulfonyl)urea, *see* G-00033
4-Hydroxybutanoic acid, H-00118
▷8-[[6-[4-(3-Hydroxybutyl)-1-piperazinyl]hexyl]amino]-6-methoxyquinoline, *see* M-00465
4-Hydroxybutyric acid, *see* H-00118
▷3-Hydroxy-*p*-butyrophenetidide, *see* B-00335
β-Hydroxy-γ-butyrotrimethylbetaine, *see* C-00084
Hydroxycaine, H-00119
Hydroxycaine hydrochloride, *in* H-00119
▷10-Hydroxycamptothecin, *in* C-00024
11-Hydroxycamptothecin, *in* C-00024
▷Hydroxycarbamide, *see* H-00220
▷Hydroxychloroquine, H-00120
Hydroxychloroquine sulfate, *in* H-00120
1α-Hydroxycholecalciferol, *see* A-00109
25-Hydroxycholecalciferol, *see* H-00221
3-Hydroxy-8(14)-cholesten-15-one, H-00121
▷3-Hydroxycinchophen, *see* H-00195
Hydroxycobalamin, *see* V-00061
3α-Hydroxycompactin, *in* C-00539
3β-Hydroxycompactin, *in* C-00539
7α-Hydroxyconessine, *in* C-00540
7β-Hydroxyconessine, *in* C-00540
6′-Hydroxyconvallatoxin, *in* T-00478
▷Hydroxycortexon, *see* C-00546
▷17α-Hydroxycorticosterone, *see* C-00548
▷7-Hydroxycoumarin, *see* H-00114
3-Hydroxycrotonic acid α-methylbenzyl ester dimethylphosphate, *see* C-00571
β-Hydroxycyclohexanehydracrylic acid, *see* C-00610
▷2-(1-Hydroxycyclohexyl)butyric acid, *see* E-00193
α-(1-Hydroxycyclopentyl)benzeneacetic acid 2-(diethylamino)-ethyl ester, *see* C-00601
α-(1-Hydroxycyclopentyl)benzeneacetic acid 2-(dimethylamino)-ethyl ester, *see* C-00631
6-Hydroxy-3,5-cyclopregnan-20-one, H-00122
▷14-Hydroxydaunomycin, *see* A-00080
2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-*p*-benzoquinone, *see* I-00017
2-(10-Hydroxydecyl)-5,6-dimethoxy-3-methyl-2,5-cyclohexadiene-1,4-dione, *see* I-00017
▷17α-Hydroxy-11-dehydrocorticosterone, *see* C-00549
▷17-Hydroxydeoxycorticosterone, *in* D-00349
▷Hydroxydial, *see* P-00546
▷2-Hydroxy-4,4′-diamidinostilbene, *see* H-00213
▷2-Hydroxydiethylamine, *in* A-00253

9-Hydroxy-2-(β-diethylaminoethyl)ellipticinium, *see* D-00017
▷16β-Hydroxydigitoxin, *in* T-00474
▷2-Hydroxy-4,4′-diguanylstilbene, *see* H-00213
14-Hydroxydihydromorphine, *see* H-00101
4-Hydroxy-3,5-diiodo-α-[1-[(1-methyl-3-phenylpropyl)amino]-ethyl]benzenemethanol, *see* B-00348
▷4-Hydroxy-3,5-diiodo-α-phenylbenzenepropanoic acid, *see* I-00100
O-(4-Hydroxy-3,5-diiodophenyl)-3,5-diiodo-α-methyltyrosine ethyl ester, *see* E-00241
▷*O*-(4-Hydroxy-3,5-diiodophenyl)-3,5-diiodotyrosine, *see* T-00233
▷3-(4-Hydroxy-3,5-diiodophenyl)-2-phenylpropionic acid, *see* I-00100
▷8-Hydroxy-5,7-diiodoquinoline, *see* D-00364
4-Hydroxy-6,7-diisobutoxy-3-quinolinecarboxylic acid ethyl ester, *see* B-00373
17β-Hydroxy-1α,7α-dimercapto-17-methylandrost-4-en-3-one 1,7-diacetate, *see* T-00205
4-Hydroxy-3,5-dimethoxy-α-[(methylamino)methyl]benzyl alcohol, *see* D-00459
(3β,16β,17α,18β,20α)-18-Hydroxy-11,17-dimethoxyohimban-16-carboxylic acid, *see* R-00028
2-[4-(β-Hydroxy-3,4-dimethoxyphenethyl)-1-piperazinyl]-cycloheptatrienone, *see* C-00341
2-[[3-(4-Hydroxy-3,5-dimethoxyphenyl)-1-oxo-2-propenyl]-oxy]-*N*,*N*,*N*- trimethylethanaminium, *see* S-00076
17β-Hydroxy-2α,17-dimethyl-5α-androstan-3-oneazine, *see* M-00037
17-Hydroxy-2,17-dimethylandrostan-3-one(17-hydroxy-2,17-dimethylandrostan-3-ylidene)hydrazone, *see* M-00037
17β-Hydroxy-7,17-dimethyl-4-androsten-3-one, H-00123
3-Hydroxydimethylaniline, *in* A-00297
▷4-Hydroxydimethylaniline, *in* A-00298
▷Hydroxydimethyl arsine oxide, *see* D-00424
5-Hydroxy-6,6-dimethyl-4-cyclohexene-1,3-dione, *in* D-00427
▷17-Hydroxy-7,17-dimethylestr-4-en-3-one, *see* M-00361
17β-Hydroxy-16,16-dimethyl-4-estren-3-one, *see* M-00329
α-[[(2-Hydroxy-1,1-dimethylethyl)amino]methyl]-benzenemethanol, *see* F-00084
2-Hydroxy-*N*,*N*-dimethyl-*N*-(1-methylethyl)-3-(1-naphthalenyloxy)-1-propanaminium, *see* P-00399
11-Hydroxy-17,17-dimethyl-18-norandrosta-4,13-dien-3-one, H-00124
7-[2-(3-Hydroxy-4,4-dimethyl-1-octenyl)-3-methyl-5-oxocyclopentyl]-5-heptenoic acid, *see* T-00517
11-Hydroxy-16,17-dimethyl-17-(1-oxopropyl)androsta-1,4-dien-3-one, *see* R-00057
▷2′-Hydroxy-5,9-dimethyl-2-phenethylbenzomorphan, *see* P-00147
3-Hydroxy-1,1-dimethylpiperidinium benzilate, *see* M-00094
4-Hydroxy-1,1-dimethylpiperidinium benzilate, *see* P-00028
3β-Hydroxy-6α,16α-dimethyl-4-pregnen-20-one, *see* D-00381
▷17β-Hydroxy-6α,21-dimethyl-4-pregnen-20-yn-3-one, *see* D-00393
1-Hydroxy-4,6-dimethyl-2(1*H*)-pyridone, *in* D-00451
3-Hydroxy-1,1-dimethylpyrrolidinium benzilate, *see* B-00095
3-Hydroxy-1,1-dimethylpyrrolidinium α-phenyl-cyclohexaneglycolate, *see* H-00069
▷2-Hydroxy-3,5-dinitrobenzoic acid [(5-nitro-2-furanyl)-methylene]hydrazide, *see* N-00132
Hydroxydione, *in* H-00201
▷Hydroxydione sodium succinate, *in* H-00201
1β-Hydroxydiosgenin, *in* S-00128
3-[(Hydroxydiphenylacetyl)oxy]-1,1-dimethylpiperidinium, *see* M-00094
4-[(Hydroxydiphenylacetyl)oxy]-1,1-dimethylpiperidinium, *see* P-00028
N-[2-[(Hydroxydiphenylacetyl)oxy]ethyl]-*N*,*N*-dimethyl-1-octanaminium, *see* O-00021
1-[2-[(Hydroxydiphenylacetyl)oxy]ethyl]-1-methyl-pyrrolidinium, *see* E-00238
1-[2-[(Hydroxydiphenylacetyl)oxy]ethyl]-1,2,5-trimethyl-pyrrolidinium, *see* D-00458
3-[(Hydroxydiphenylacetyl)oxy]-6-methoxy-8,8-dimethyl-8-azoniabicyclo[3.2.1]octane, *see* T-00551
3-[(Hydroxydiphenylacetyl)oxy]-1-methyl-1-azoniabicyclo[2.2.2]octane, *see* C-00425
2-[[(Hydroxydiphenylacetyl)oxy]methyl]-1,1-dimethylpiperidinium, *see* B-00147
2-[[(Hydroxydiphenylacetyl)oxy]methyl]-1,1-dimethylpyrrolidinium, *see* P-00378
3-[(Hydroxydiphenylacetyl)oxy]spiro[8-azoniabicyclo[3.2.1]-octane-8,1′-pyrrolidinium], *see* T-00558
μ-Hydroxydiphenyldimercury(1+), H-00125
▷4-Hydroxydiphenylmethane, *see* B-00127
3-Hydroxy-3,3-diphenylpropanoic acid, H-00126
2-Hydroxydithiobenzoic acid, H-00127
▷6-Hydroxydopamine, *see* A-00255
▷9-Hydroxyellipticine, *in* E-00027
▷10-Hydroxyellipticine, *in* E-00027
12-Hydroxyellipticine, *in* E-00027
18-Hydroxyellipticine, *in* E-00027
3-Hydroxy-14,15-epoxy-20,22-bufadienolide, H-00128
8-Hydroxyergotamine, *in* E-00106
▷3-Hydroxyestra-1,3,5,7,9-pentaen-17-one, *see* E-00098
▷3-Hydroxyestra-1,3,5(10),7-tetraen-17-one, *see* E-00099
17-Hydroxyestra-4,9,11-trien-3-one, *see* T-00410
17β-Hydroxy-4,9,11-estratrien-3-one, *see* T-00410
▷Hydroxyethane, *see* E-00149
Hydroxyethane-1,1-diphosphonic acid, *see* H-00132
1-[2-(2-Hydroxyethoxy)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* E-00265
1-[1-[2-(2-Hydroxyethoxy)ethyl]-4-phenyl-4-piperidyl]-1-propanone, *see* D-00616
4-(2-Hydroxyethoxy)-3-methoxycinnamic acid, *see* C-00353
3-[4-(2-Hydroxyethoxy)-3-methoxyphenyl]-2-propenoic acid, *see* C-00353
▷9-(2-Hydroxyethoxymethyl)guanine, *see* A-00060
▷*N*-(2-Hydroxyethyl)acetamide, *in* A-00253
3′-[*N*-(2-Hydroxyethyl)acetamido]-2′,4′,6′-triiodo-5′-(methylcarbamoyl)-D-gluconanilide, *see* I-00112
▷2-Hydroxyethylamine, *see* A-00253
▷β-Hydroxyethylbenzene, *see* P-00187
2-Hydroxyethyl benzylcarbamate, H-00129
3′-[(2-Hydroxyethyl)carbamoyl]-2′,4′,6′-triiodo-5′-(*N*-methylacetamido-D-glucoanilide, *see* I-00114
▷*N*-(2-Hydroxyethyl)cinnamamide, H-00130
1-(2-Hydroxyethyl)-1,4-cyclohexanediol, H-00131
N-Hydroxyethyl-1-desoxynojirimycin, *see* M-00373
(2-Hydroxyethyl)diisopropylmethylammonium xanthene-9-carboxylate, *see* P-00492
N-(2-Hydroxyethyl)-*N*,*N*-dimethylglycine internal salt, *see* O-00110
(2-Hydroxyethyl)dimethylsulfonium α-phenylcyclohexaneacetate, *see* H-00062
(2-Hydroxyethyl)dimethylsulfonium α-phenylcyclohexaneglycolate, *see* O-00165
▷7-(2-Hydroxyethyl)-1,3-dimethylxanthine, *see* E-00253
1-(2-Hydroxyethyl)-2-(4-fluorophenyl)-5-nitroimidazole, *see* F-00166
9-[1-(1-Hydroxyethyl)heptyl]hypoxanthine, *see* N-00226
N-(2-Hydroxyethyl)hexadecanamide, *see* P-00006
▷2-(1-Hydroxyethyl)-β-(hydroxymethyl)-3-methyl-5-benzofuranacrylic acid lactone hydrogen succinate, *see* B-00053
1-(2-Hydroxyethyl)-2-(hydroxymethyl)piperidine-3,4,5-triol, *see* M-00373
N-(2-Hydroxyethyl)-3-(4-hydroxyphenyl)-*N*-methyl-2-propenamide, *in* H-00130
(1-Hydroxyethylidene)bisphosphonic acid, H-00132
▷3-(2-Hydroxyethylidene)-7-oxo-4-oxa-1-azabicyclo[3.2.0]-heptane-2-carboxylic acid, *see* C-00410
▷2,2′-[(2-Hydroxyethyl)imino]bis[*N*-(1,1-dimethyl-2-phenylethyl)-*N*-methylacetamide], *see* O-00106
▷*N*-(2-Hydroxyethyl)isopropylamine, *in* A-00253
N-(2-Hydroxyethyl)maleopimarimidyl morpholide, *see* I-00224
▷8-[(Hydroxyethyl)methylamino]caffeine, *see* C-00008
▷4-[2-(1-Hydroxyethyl)-3-methyl-5-benzofuranyl]-2(5*H*)-furanone succinate, *see* B-00053

N-(2-Hydroxyethyl)-*N*-(1-methylethyl)benzamide, *in* A-00253
▷1-(2-Hydroxyethyl)-1-methylguanidine dihydrogen phosphate, *see* C-00559
N-(2-Hydroxyethyl)-α-methyl-4-(2-methylpropyl)-benzeneacetamide, *see* A-00316
▷1-(2-Hydroxyethyl)-2-methyl-5-nitroimidazole, *see* M-00344
▷*N*-(2-Hydroxyethyl)-*N*-methyl-3-phenyl-2-propenamide, *in* H-00130
1-(2-Hydroxyethyl)-1-methylpyrrolidinium benzilate, *see* E-00238
▷*N*-(2-Hydroxyethyl)-3-methyl-2-quinoxalinecarboxamide 1,4-dioxide, *see* O-00034
2-Hydroxyethyl 3-methyl-2-quinoxalinecarboxylate 1,4-dioxide, *see* T-00063
N-(2-Hydroxyethyl)nicotinamide 2-(*p*-chlorophenoxy)-2-methyl-propionic acid, *see* P-00230
N-(2-Hydroxyethyl)nicotinamide nitrate, *see* N-00102
2-Hydroxyethyl nicotinate 2-(*p*-chlorophenoxy)-2-methyl-propionate, *see* E-00250
▷1-(2-Hydroxyethyl)-2-[(5-nitro-2-furanyl)methylene]-hydrazinecarboxamide, *see* N-00108
▷Hydroxyethylnitrofurazone, *see* N-00108
▷*N*-(2-Hydroxyethyl)-α-(5-nitro-2-furyl)nitrone, *see* N-00119
▷*N*-(2-Hydroxyethyl)-2-nitro-1*H*-imidazole-1-acetamide, *see* E-00139
2,2′-[[3-[(2-Hydroxyethyl)octadecylamino]propyl]imino]-bisethanol, *see* T-00537
N-(2-Hydroxyethyl)palmitamide, *see* P-00006
2-Hydroxyethyl (phenylmethyl)carbamate, *see* H-00129
▷*N*-(2-Hydroxyethyl)-3-phenyl-2-propenamide, *see* H-00130
1-(2-Hydroxyethyl)-2′,6′-pipecoloxylidide, *see* D-00614
N-[[4-(2-Hydroxyethyl)piperazino](carboxy)methyl]tetracycline, *see* A-00423
10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propionyl]-2-(trifluoromethyl)phenothiazine, *see* F-00271
3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl 4-benzamido-*N*,*N*-dipropylglutaramate 1-(4-chlorobenzoyl)-5-methoxy-2-methylindole-3-acetate, *see* P-00467
1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10*H*-phenothiazin-2-yl]ethanone, *see* A-00025
10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-phenothiazin-2-yl methyl ketone, *see* A-00025
1-[10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-10*H*-phenothiazin-2-yl]-1-propanone, *see* C-00095
▷10-[3-[4-(2-Hydroxyethyl)-1-piperazinyl]propyl]-2-trifluoromethylphenothiazine, *see* F-00202
2-(1-Hydroxyethyl)piperidine, *see* P-00197
▷10-[3-[4-(2-Hydroxyethyl)piperidino]propyl]phenothiazin-2-yl methyl ketone, *see* P-00282
10-[3-[4-(2-Hydroxyethyl)-1-piperidinyl]propyl]-*N*,*N*-dimethyl-10*H*-phenothiazine-2-sulfonamide, *see* P-00302
▷1-[10-[3-[4-(2-Hydroxyethyl)-1-piperidinyl]propyl]-10*H*-phenothiazin-2-yl]ethanone, *see* P-00282
1-(2-Hydroxyethyl)-4-(2-propylpentyl)piperidine, *see* O-00016
2-Hydroxyethyl *p*-sulfamoylcarbanilate, *see* S-00230
(2-Hydroxyethyl)tetradecylammonium(1+), H-00133
▷7-(2-Hydroxyethyl)theophylline, *see* E-00253
4-[[(2-Hydroxyethyl)thio]methyl]pyridine, *see* R-00064
▷(2-Hydroxyethyl)trimethylammonium, *see* C-00308
(2-Hydroxyethyl)trimethylammonium benzilate, *see* M-00326
1-(2-Hydroxyethyl)-1,2,5-trimethylpyrrolidinium benzilate, *see* D-00458
16-Hydroxyferruginol, *in* F-00095
4-Hydroxyformanilide, *in* A-00298
▷4-Hydroxy-4*H*-furo[3,2-*c*]pyran-2(6*H*)-one, *see* P-00043
18-Hydroxygeranylgeraniol, *see* P-00373
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide, H-00134
▷6α-Hydroxygermine, *see* P-00543
2-Hydroxy-1,2,3-heptadecanetricarboxylic acid 1-methyl ester, *see* C-00029
1-Hydroxy-2-heptanone, H-00135
2-(7-Hydroxyheptyl)-3-(3-oxo-4-phenoxybutyl)cyclopentanone, *see* O-00137
14-Hydroxyhetisine, H-00136
2-Hydroxy-*N*,*N*,*N*,*N*′,*N*′,*N*′-hexamethyl-1,3-propanediaminium diiodide, *in* D-00135
Hydroxyhexamide, H-00137
p-Hydroxyhydrocinnamic acid 4-(aminomethyl)cyclohexanecarboxylate, *see* C-00187
Hydroxy[6-hydroxy-2,7-diiodo-3-oxo-9-(*o*-sulfophenyl)-3*H*-xanthen-5-yl]mercury, *see* M-00111
▷2-Hydroxy-*N*-(2-hydroxyethyl)-3-methoxy-5-(2-propenyl)-benzamide, *see* A-00116
▷7-[2-Hydroxy-3-[(2-hydroxyethyl)methylamino]propyl]-theophylline, *see* X-00003
4-Hydroxy-2-(7-hydroxyheptyl)-3-(4-hydroxy-4-methyl-1-octenyl)cyclopentanone, *see* R-00061
▷2′-Hydroxy-5′-[1-hydroxy-2-(isopropylamino)ethyl]-methanesulfonanilide, *see* S-00107
[[(2-Hydroxy-3-hydroxymercuri)propyl]carbamoyl]-phenoxyacetic acid, *see* M-00122
2-Hydroxy-5-[2-[[2-hydroxy-3-[4-(2-methoxyethoxy)phenoxy]-propyl]amino]ethoxy]benzamide, *see* T-00471
2′-Hydroxy-5′-[1-hydroxy-2-[(*p*-methoxyphenethyl)amino]-propyl]methanesulfonanilide, *see* M-00142
5-Hydroxy-2-(3-hydroxy-4-methoxyphenyl)-6,7-dimethoxy-4*H*-1-benzopyran-4-one, *see* D-00354
N-[2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)ethyl]-amino]propyl]phenyl]methanesulfonamide, *see* M-00142
N-[2-Hydroxy-5-[1-hydroxy-2-[[2-(4-methoxyphenyl)-1-methylethyl]amino]ethyl]phenyl]formamide, *see* F-00247
9-(4-Hydroxy-3-hydroxymethyl-1-butyl)guanine, H-00138
N-[[2-Hydroxy-5-(4-hydroxymethyl)-1,3,2-dithiarsolan-2-yl]-phenyl]acetamide, *see* A-00451
▷17β-Hydroxy-2-hydroxymethylene-17α-methyl-5α-androstan-3-one, *see* O-00154
▷9-[[2-Hydroxy-1-(hydroxymethyl)ethoxy]methyl]guanine, *see* D-00350
8-Hydroxy-5-[1-hydroxy-2-[(1-methylethyl)amino]butyl]-2(1*H*)-quinolinone, *see* P-00449
▷*N*-[2-Hydroxy-5-[1-hydroxy-2-[(methylethyl)amino]ethyl]-phenyl]methanesulfonamide, *see* S-00107
4-Hydroxy-9-[2-hydroxy-3-(methylethylamino)propoxy]-7-methyl-5*H*-furo[3,2-*g*][1]benzopyran-5-one, *see* I-00159
2-Hydroxy-1-(hydroxymethyl)ethyl salicylate 2-acetate bis[2-(*p*-chlorophenoxy)-2-methylpropionate], *see* S-00005
N-[2-Hydroxy-1-(hydroxymethyl)-3-heptadecenyl]-6-methyl-ergoline-8-carboxamide, *see* D-00586
▷3-Hydroxy-5-hydroxymethyl-4-methoxymethyl-2-methyl-pyridine, *in* P-00582
3-Hydroxy-5-hydroxymethyl-2-methyl-4-pyridinemethylamine, *see* P-00580
2-(3-Hydroxy-4-hydroxymethylphenyl)glycine, *see* F-00243
▷2-Hydroxy-5-[(1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]-ethyl]benzamide, *see* L-00001
4-Hydroxy-3-(1-hydroxypentyl)benzoic acid, H-00139
2-Hydroxy-3-(9-hydroxy-9-pentyltetradecyl)-1,4-naphthalenedione, *see* L-00009
p-Hydroxy-α-[1-[(*p*-hydroxyphenethyl)amino]ethyl]benzyl alcohol, *see* R-00067
▷7-[3-Hydroxy-2-(3α-hydroxy-4-phenoxy-1-butenyl)-5-oxocyclopentyl]-*N*-(methylsulfonyl)-5-heptenamide, *see* S-00261
N-[2-[[2-Hydroxy-3-(4-hydroxyphenoxy)propyl]amino]ethyl]-4-morpholinecarboxamide, *see* X-00001
▷2-Hydroxy-*N*-(4-hydroxyphenyl)benzamide, *see* O-00066
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]thien-3-yl][4-[2-(1-piperidinyl)ethoxy]phenyl]methanone, *see* R-00005
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]thien-3-yl][4-[2-(1-pyrrolidinyl)ethoxy]phenyl]methanone, H-00140
4-Hydroxy-α-[1-[[2-(4-hydroxyphenyl)ethyl]amino]ethyl]-benzenemethanol, *see* R-00067
▷5-[1-Hydroxy-2-[[2-(4-hydroxyphenyl)-1-methylethyl]amino]-ethyl]-1,3-benzenediol, *see* F-00064
4-Hydroxy-α-[[[3-(4-hydroxyphenyl)-1-methylpropyl]amino]-methyl]benzenemethanol, *see* B-00414
3-Hydroxy-4-(3-hydroxyphenyl)-2(1*H*)-quinolinone, *in* H-00196

3-Hydroxy-2-[4-hydroxy-4-(1-propylcyclobutyl)-1-butenyl]-5-oxocyclopentaneheptanoic acid methyl ester, *see* B-00395
Hydroxy(2-hydroxypropyl)mercury, *see* M-00126
4-Hydroxyhygrinic acid, *in* H-00210
2-Hydroxy-4-imino-2,5-cyclohexadienone, H-00141
4-[3-(Hydroxyimino)cyclohexyl]-α-methylbenzeneacetic acid, *see* X-00015
▷4-[[4-[1-(Hydroxyimino)ethyl]phenoxy]acetyl]morpholine, *see* M-00421
▷1-[[4-[1-(Hydroxyimino)ethyl]phenoxy]acetyl]piperidine, *see* P-00249
2-[(Hydroxyimino)methyl]-1-methylpyridinium, *see* P-00395
4-(Hydroxyimino)pentanoic acid, *in* O-00134
6-[(Hydroxyimino)phenylmethyl]-1-[(1-methylethyl)sulfonyl]-1*H*-benzimidazol-2-amine, *see* V-00056
2-[2-Hydroxy-3-[[2-(1*H*-indol-3-yl)-1,1-dimethylethyl]-amino]-propoxy]benzonitrile, *see* B-00338
▷3-[2-(5-Hydroxyindol-3-yl)-5-oxo-2-pyrrolin-4-ylidene]-2-indolinone, *see* V-00049
▷4-Hydroxy-5-iodo-2-mercaptopyrimidine, *see* D-00287
▷4-Hydroxy-3-iodo-5-nitrobenzonitrile, H-00142
▷[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzeneacetic acid, *see* T-00322
4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzenepropanoic acid, *see* T-00231
4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodobenzoic acid acetate, *see* A-00022
4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodohydrocinnamic acid, *see* T-00231
▷[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]acetic acid, *see* T-00322
3-[4-(4-Hydroxy-3-iodophenoxy)-3,5-diiodophenyl]alanine, *see* T-00487
O-(4-Hydroxy-3-iodophenyl)-3,5-diiodotyrosine, *see* T-00487
▷8-Hydroxy-7-iodo-5-quinolinesulfonic acid, H-00143
7-Hydroxyisoflavone, H-00144
2β-Hydroxy-5,6-isojatrophone, *in* J-00002
5-[1-Hydroxy-2-(isopropylamino)ethyl]anthranilonitrile, *see* C-00349
4′-[1-Hydroxy-2-(isopropylamino)ethyl]methanesulfonanilide, *see* S-00106
▷*m*-Hydroxy-α-[(isopropylamino)methyl]benzylalcohol, *see* M-00151
p-Hydroxy-α-[(isopropylamino)methyl]benzyl alcohol, *see* D-00106
8-Hydroxy-α-[(isopropylamino)methyl]-5-quinolinemethanol, *see* Q-00033
▷4′-[2-Hydroxy-3-(isopropylamino)propoxy]acetanilide, *see* P-00394
▷7-[[2-Hydroxy-3-(isopropylamino)propoxy]-2-benzofuranyl]-methyl ketone, *see* B-00027
8-[2-Hydroxy-3-(isopropylamino)propoxy]-3-chromanol 3-nitrate, *see* N-00154
1-[*p*-[2-Hydroxy-3-(isopropylamino)propoxy]phenethyl]-3-isopropylurea, *see* P-00002
3-[2-Hydroxy-3-(isopropylamino)propoxy]-2-phenyl-phthalimidine, *see* N-00197
▷4-(2-Hydroxy-3-isopropylaminopropoxy)-2,3,6-trimethylphenyl acetate, *see* M-00322
▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
3α-Hydroxy-8-isopropyl-1αH,5αH-tropatrium tropate, *see* I-00155
3-Hydroxy-1-isopropyl-5,6-indolinedione 5-semicarbazone, *see* I-00156
3α-Hydroxy-8-isopropyl-1α*H*,5α*H*-tropanium α-phenyl-cyclopentaneacetate, *see* C-00335
3-Hydroxy-8-isopropyltropanium 2-propylvalerate, *see* S-00081
3-(3-Hydroxyisovaleroyl)maytansinol, *in* M-00027
3-(4-Hydroxyisovaleroyl)maytansinol, *in* M-00027
2α-Hydroxyjatrophone, *in* J-00002
ent-13-Hydroxy-16-kauren-18-oic acid, *see* S-00147
▷Hydroxylucanthone, *see* H-00093
N-[[3-(Hydroxymercuri)-2-methoxypropyl]carbamoyl]α-camphoramic acid, *see* C-00067
8-[(3-Hydroxymercuri)-2-methoxypropyl]-2-oxo-2*H*-1-benzopyran-3-carboxylic acid, *see* M-00123
Hydroxymethanediphosphonic acid, H-00146
1-Hydroxy-8-methoxyanthraquinone, *in* D-00308
1-Hydroxy-8-methoxyanthrone, *in* D-00310
3-Hydroxy-4-methoxybenzaldehyde, *in* D-00311
▷4-Hydroxy-3-methoxybenzaldehyde, *in* D-00311
Hydroxymethoxybenzenesulfonic acid, H-00147
▷2-Hydroxy-3-methoxybenzoic acid, *in* D-00315
2-Hydroxy-5-methoxybenzoic acid, *in* D-00316
2-Hydroxy-6-methoxybenzoic acid, *in* D-00317
3-Hydroxy-2-methoxybenzoic acid, *in* D-00315
5-Hydroxy-2-methoxybenzoic acid, *in* D-00316
▷2-Hydroxy-4-methoxybenzophenone, *in* D-00318
▷7-Hydroxy-6-methoxy-2*H*-1-benzopyran-2-one, H-00148
N′-(4-Hydroxy-3-methoxybenzylidene)pyridine-4-carbohydrazide, *see* F-00269
N-(4-Hydroxy-3-methoxybenzyl)-9-octadecenamide, H-00149
▷7-Hydroxy-6-methoxycoumarin, *see* H-00148
6-Hydroxy-8-methoxyflavone, *in* D-00326
2-Hydroxy-4-methoxy-4′-methylbenzophenone, H-00150
7-Hydroxy-8-methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00151
4-Hydroxy-3-methoxy-α-[[(1-methylethyl)amino]methyl]-benzenemethanol, *see* M-00323
▷*N*-Hydroxy-5-methoxy-2-methyl-1*H*-indole-3-acetamide, *see* D-00032
▷5-Hydroxy-4-(methoxymethyl)-6-methyl-3-pyridinemethanol, *in* P-00582
4-Hydroxy-7-(methoxymethyl)-*N*,*N*,*N*-trimethyl-3,5-dioxa-9-thia-phosphapentacosan-1-aminium hydroxide, inner salt, 4-oxide, *see* I-00022
3α-Hydroxy-6-methoxy-8-methyltropanium benzilate, *see* T-00551
9-Hydroxy-8-methoxy-6-nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, *see* H-00151
▷1-Hydroxy-6-methoxyphenazine 5,10-dioxide, H-00152
3-Hydroxy-4-methoxyphenethylamine, *in* D-00579
5-[1-Hydroxy-2-[[2-(2-methoxyphenoxy)ethyl]amino]ethyl]-2-methylbenzenesulfonamide, *see* A-00360
4-[2-Hydroxy-3-[2-(2-methoxyphenoxy)ethylamino]propoxy]-benzotriazole, *see* T-00427
4-Hydroxy-3-methoxyphenylalanine, *in* A-00248
▷(2-Hydroxy-4-methoxyphenyl)methanone, *in* D-00318
4,4′-[[(4-Hydroxy-3-methoxyphenyl)methylene]diimino]-bis[benzenesulfonamide], *see* V-00010
4-Hydroxy-α′-[[[2-(4-methoxyphenyl)-1-methylethyl]amino]-methyl]-1,3-benzenedimethanol, *see* S-00018
1-[5-Hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indol-3-yl]-ethanone, *see* A-00034
N-[(4-Hydroxy-3-methoxyphenyl)methyl]nonanamide, *see* N-00205
(2-Hydroxy-4-methoxyphenyl)(4-methylphenyl)methanone, *see* H-00150
4-Hydroxy-α-[[[3-(4-methoxyphenyl)-1-methylpropyl]amino]-methyl]-3-(methylsulfinyl)benzenemethanol, *see* S-00214
18-[[3-(4-Hydroxy-3-methoxyphenyl)-1-oxo-2-propenyl]oxy]-11,17-dimethoxyyohimban-16-carboxylic acid methyl ester, *see* R-00027
4-[1-Hydroxy-2-[4-(2-methoxyphenyl)-1-piperazinyl]ethyl]-1,2-benzenediol, *see* P-00307
4-[(4-Hydroxy-3-methoxyphenyl)thioxomethyl]morpholine, *see* V-00009
2-Hydroxy-5-[[4-[[(6-methoxy-3-pyridazinyl)amino]sulfonyl]-phenyl]azo]benzoic acid, *see* S-00008
▷4-[1-Hydroxy-2-(methylamino)ethyl]-1,2-benzenediol, *see* A-00075
▷*p*-(α-Hydroxy-β-methylaminoethyl)phenol, *see* S-00286
3-[1-Hydroxy-2-(methylamino)ethyl]phenyl 2,2-dimethylpropanoate, *see* P-00364
N-3-[1-Hydroxy-2-(methylamino)ethyl]-phenylmethanesulfonamide, *see* A-00191
m-[1-Hydroxy-2-(methylamino)ethyl]phenyl pivalate, *see* P-00364
▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272

▷4-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *see* S-00286
▷*m*-Hydroxy-α-[(methylamino)methyl]benzyl alcohol, *in* A-00272
4-[1-Hydroxy-2-(methylamino)propyl-1,2-benzenediol, *see* D-00477
4′-[1-Hydroxy-2-(methylamino)propyl]methanesulfonanilide, *see* M-00148
N-[4-[1-Hydroxy-2-(methylamino)propyl]-phenylmethanesulfonamide, *see* M-00148
▷17β-Hydroxy-17α-methyl-1,4-androstadien-3-one, *see* M-00167
▷17-Hydroxy-2-methylandrostan-3-one, H-00153
17β-Hydroxy-1α-methyl-5α-androstan-3-one, *see* M-00137
▷17β-Hydroxy-17α-methyl-5α-androstan-3-one, *see* M-00136
17β-Hydroxy-17α-methyl-5α-androstano[3,2-*c*]pyrazole, *see* S-00139
▷17β-Hydroxy-17α-methyl-4-androsten-3-one, H-00154
17β-Hydroxy-1-methyl-5α-androst-1-en-3-one, *see* M-00178
17β-Hydroxy-2-methyl-5α-androst-1-en-3-one, *see* S-00144
17β-Hydroxy-17α-methylandrost-4-eno[3,2-*c*]pyrazole, *see* H-00212
4-Hydroxy-2-methylbenzaldehyde (4,5-dihydro-1*H*-imidazol-2-yl)hydrazone, *see* I-00018
2-Hydroxy-3-methylbenzamide, *in* H-00155
α-(Hydroxymethyl)benzeneacetic acid 3-(diethylamino)-2,2-dimethylpropyl ester, *see* A-00371
α-(Hydroxymethyl)benzeneacetic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, *see* T-00554
▷α-(Hydroxymethyl)benzeneacetic acid 9-methyl-3-oxa-9-azabicyclo[3.3.1.0^{2,4}]non-7-yl-ester, *see* S-00031
▷2-Hydroxy-3-methylbenzoic acid, H-00155
▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthalenedione, *see* H-00157
▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone, H-00157
N-[2-Hydroxy-1-(methylcarbamoyl)ethyl]-2,4,6-triiodo-5-(2-methoxyacetamido)isophthalamic acid, *see* I-00135
4′-[[(Hydroxymethyl)carbamoyl]sulfamoyl]phthalanilic acid, *see* S-00241
N^2-(Hydroxymethyl)chlorotetracycline, *see* C-00473
▷7-Hydroxy-4-methylcoumarin, *see* H-00156
1-(Hydroxymethyl)cyclohexaneacetic acid, H-00158
β-Hydroxy-β-methylcyclohexanepropanoic acid, *see* C-00610
3-Hydroxymethyldibenzo[*b*,*f*]thiepin, H-00159
2-(2-Hydroxymethyl)-1,1-dimethylpyrrolidinium α-phenylcyclohexaneglycolate, *see* O-00163
▷1-(8-Hydroxy-6-methyl-2,4,6-dodecatrienoyl)-2-pyrrolidinone, *see* V-00012
(Hydroxymethylene)bis(phosphonic acid), *see* H-00146
6-Hydroxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00160
17-Hydroxy-17-methylestra-4,9,11-trien-3-one, H-00161
17-Hydroxy-17-methylestr-4-en-3-one, *see* N-00221
4-[1-Hydroxy-2-[(1-methylethyl)amino]butyl]-1,2-benzenediol, *see* I-00185
▷4-[1-Hydroxy-2-[(1-methylethyl)amino]ethyl]-1,2-benzenediol, *see* I-00198
▷5-[1-Hydroxy-2-(1-methylethyl)amino]ethyl-1,3-benzenediol, *see* O-00053
N-[4-[1-Hydroxy-2-[(methylethyl)amino]ethyl]phenyl]-methanesulfonamide, *see* S-00106
▷3-Hydroxy-α-[[(1-methylethyl)amino]methyl]benzenemethanol, *see* M-00151
4-Hydroxy-α-[[(1-methylethyl)amino]methyl]benzenemethanol, *see* D-00106
8-Hydroxy-α-[[(1-methylethyl)amino]methyl]-5-quinolinemethanol, *see* Q-00033
▷4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-benzeneacetamide, *see* A-00468
▷1-[7-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-2-benzofuranyl]ethanone, *see* B-00027
4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenol, *see* P-00419
▷*N*-[4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]-acetamide, *see* P-00394
N-[2-[4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]-ethyl]-*N*′-(1-methylethyl)urea, *see* P-00002
N-[4-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]-4-methoxybenzamide, *see* R-00083
4-(1-Hydroxy-1-methylethyl)-1-methylcyclohexanol, *see* H-00216
5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol, H-00162
▷12′-Hydroxy-2′-(1-methylethyl)-5′-(2-methylpropyl)-ergotaman-3′,6′,18-trione, *see* E-00103
12′-Hydroxy-2′-(1-methylethyl)-5′-(phenylmethyl)ergotaman-3′,6′,18-trione, *see* E-00102
▷3-Hydroxy-3-methylglutaric acid, *see* H-00170
▷Hydroxymethylgramicidin, *see* M-00186
5-Hydroxy-2-methyl-3-indolecarboxylic acid, H-00163
▷7-[3-[[2-Hydroxy-3-[(2-methyl-4-indolyl)oxy]propyl]amino]-butyl]theophylline, *see* T-00075
▷2-Hydroxymethyl-4-iodomethyl-1,3-dioxolane, *see* I-00107
7-(Hydroxymethyl)-4-methoxy-5*H*-furo[3,2-*g*][1]benzopyran-5-one, *see* K-00023
3-[[[1-(Hydroxymethyl)-2-(methylamino)-2-oxoethyl]amino]-carbonyl]-2,4,6-triiodo-5-[(methoxyacetyl)amino]benzoic acid, *see* I-00135
α-(Hydroxymethyl)-α-methylbenzenacetic acid 8-methyl-azabicyclo[3.2.1]oct-3-yl ester, *see* A-00474
17α-Hydroxy-6-methyl-16-methylene-4,6-pregnadiene-3,20-dione, *see* M-00078
12′-Hydroxy-2-methyl-2′-(1-methylethyl)-5′-(2′-methylpropyl)-ergotaman-3′,6′,18-trione, *see* M-00125
4-Hydroxy-2-methyl-*N*-(5-methyl-3-isoxazolyl)-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, *see* I-00217
▷2-(Hydroxymethyl)-2-methylpentyl cyclopropanecarbamate, *see* L-00093
▷5-(Hydroxymethyl)-3-(3-methylphenyl)-2-oxazolidinone, *see* T-00360
N-Hydroxy-α-methyl-4-(2-methylpropyl)benzeneacetamide, *see* I-00009
α-(Hydroxymethyl)-*N*-methyl-*N*-(3-pyridinylmethyl)-benzeneacetamide, *see* P-00259
2-Hydroxymethyl-3-methylquinoxaline, H-00164
4-Hydroxy-2-methyl-*N*-(5-methyl-2-thiazolyl)-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, *see* M-00082
▷*N*-Hydroxymethyl-*N*′-methylthiourea, H-00165
3-Hydroxy-*N*-methylmorphinan, H-00166
▷5-Hydroxy-2-methyl-1,4-naphthalenedione, *see* H-00167
▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167
Hydroxymethylnitrofurantoin, *see* N-00135
3-(Hydroxymethyl)-1-[[(5-nitro-2-furanyl)methylene]amino]-2,4-imidazolidinedione, *see* N-00135
▷3-(Hydroxymethyl)-1-[[3-(5-nitro-2-furyl)allylidene]amino]-hydantoin, *see* N-00124
▷2-(Hydroxymethyl)-2-nitro-1,3-propanediol, H-00168
▷17β-Hydroxy-17α-methyl-B-norandrost-4-en-3-one, *see* B-00056
17-Hydroxy-6-methyl-19-norpregna-4,6-diene-3,20-dione, *see* N-00200
17-Hydroxy-7-methyl-19-norpregn-5(10)-en-20-yn-3-one, *see* T-00251
2-(3-Hydroxy-3-methyloctyl)-5-oxocyclopentaneheptanoic acid, *see* D-00086
▷17β-Hydroxy-17α-methyl-2-oxa-5α-androstan-3-one, *see* O-00086
[(7-Hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-6-yl)oxy]-acetic acid, *in* D-00332
15-Hydroxy-15-methyl-9-oxoprostan-1-oic acid, *see* D-00086
15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid, H-00169
▷3-Hydroxy-3-methylpentanedioic acid, H-00170
▷4-Hydroxy-4-methyl-2-pentanone, H-00171
Hydroxymethyl pentyl ketone, *see* H-00135
▷7-[2-(β-Hydroxy-α-methylphenethylamino)ethyl]theophylline, *see* C-00009
3-[β-Hydroxy-α-methylphenethylamino]-3′-methoxy-propiophenone, *see* O-00151
▷*o*-Hydroxymethylphenol, *see* H-00116

▷4-Hydroxy-α-[1-[(1-methyl-2-phenoxyethyl)amino]ethyl]-benzenemethanol, *see* I-00218

4-[2-[[2-Hydroxy-3-(2-methylphenoxy)propyl]amino]ethoxy]-benzamide, *see* T-00343

1-[2-[[2-Hydroxy-3-(2-methylphenoxy)propyl]amino]ethyl]-5-methyl-2,4(1*H*,3*H*)-pyrimidinedione, *see* P-00435

▷2-(2-Hydroxy-5-methylphenyl)-2*H*-benzotriazole, H-00172

3-[(2-Hydroxy-1-methyl-2-phenylethyl)amino]-1-(3-methoxyphenyl)-1-propanone, *see* O-00151

1-(3-Hydroxy-5-methyl-4-phenylhexyl)-1-methylpiperidinium, *see* M-00098

5-Hydroxy-2-methyl-1-phenyl-1*H*-indole-3-carboxylic acid, H-00173

▷12′-Hydroxy-2′-methyl-5′-(phenylmethyl)ergotaman-3′,6′,18-trione, *see* E-00106

5-(2-Hydroxymethylphenyl)-1-methyl-3-(3-pyridyl)-1,2,4-triazole, *see* F-00083

4-Hydroxy-α-[1-[(1-methyl-3-phenylpropyl)amino]ethyl]-benzenemethanol, *see* B-00367

▷5-[1-Hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]-salicylamide, *see* L-00001

▷3-Hydroxy-2-methyl-5-[(phosphonooxy)methyl]-4-pyridinecarboxaldehyde, *see* P-00579

11β-Hydroxy-6α-methylpregna-1,4-diene-3,20-dione, *see* E-00052

17-Hydroxy-6-methyl-4,6-pregnadiene-3,20-dione, H-00174

▷11-Hydroxy-6-methyl-4-pregnene-3,20-dione, *see* M-00060

17-Hydroxy-6-methyl-4-pregnene-3,20-dione, H-00175

17-Hydroxy-6-methylpregn-5-ene-3,20-dione cyclic 3-(ethylene acetal) acetate, *see* E-00014

17-Hydroxy-6-methylpregn-4-en-20-one, *see* A-00375

2-Hydroxy-2-methylpropyl 4-(4-amino-6,7,8-trimethoxy-2-quinazolinyl)-1-piperazinecarboxylate, *see* T-00490

17-Hydroxy-1-methyl-17-propylandrostan-3-one, *see* R-00094

2-Hydroxy-2-methylpropyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, *see* H-00089

▷*N*-[1-(Hydroxymethyl)propyl]-D-lysergamide, *see* M-00254

▷*N*-1-(Hydroxymethyl)propyl-1-methylsergamide, *see* M-00315

2-(Hydroxymethyl)pyrazolo[1,5-*c*]quinazolin-5(6*H*)-one, *see* P-00356

▷2-Hydroxymethylpyridine, *see* P-00572

▷3-Hydroxymethylpyridine, *see* P-00573

▷5-Hydroxy-6-methyl-3,4-pyridinedimethanol, *see* P-00582

▷3-Hydroxy-1-methylpyridinium dimethylcarbamate, *see* P-00578

3-Hydroxy-1-methylpyridinium hexamethylenebis(methylcarbamate), *see* D-00540

3-Hydroxy-1-methylpyridinium hydroxide inner salt, *in* H-00209

▷4-Hydroxy-2-methyl-*N*-2-pyridinyl-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, *see* P-00351

[6-(Hydroxymethyl)-2-pyridinyl]methyl 2-(4-chlorophenoxy)-2-methylpropanoate, *see* P-00328

4-Hydroxy-2-methyl-*N*-2-pyridinyl-2*H*-thieno[2,3-*e*]-1,2-thiazine-3-carboxamide 1,1′-dioxide, *see* T-00073

5-Hydroxy-4-methyl-3-pyrrolin-2-one, *see* J-00001

8-Hydroxy-5-methylquinoline, H-00176

3-Hydroxy-1-methylquinuclidinium benzilate, *see* C-00425

3-Hydroxy-1-methylquinuclidinium α-phenylcyclohexaneglycolate, *see* D-00605

N^1-(Hydroxymethyl)sulfanilamide-N^4-glucoside-1-sulfonic acid, *see* G-00056

4-Hydroxy-17-methyltestosterone, *see* O-00152

▷4-Hydroxy-2-methyl-*N*-2-thiazolyl-2*H*-1,2-benzothiazine-3-carboxamide 1,1-dioxide, *see* S-00176

5-[2-Hydroxy-3-(methylthio)propoxy]-4-oxo-4*H*-1-benzopyran-2-carboxylic acid, *see* T-00159

▷5-(Hydroxymethyl)-3-*m*-tolyl-2-oxazolidinone, *see* T-00360

Hydroxymethyltrimethylammonium(1+), H-00177

1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2(1*H*)-pyridinone, *see* P-00344

3α-Hydroxy-8-methyl-1α*H*,5α*H*-tropanium xanthene-9-carboxylate, *see* T-00399

3-Hydroxy-α-methyltyrosine, *see* M-00249

β-Hydroxymevinolin, *in* M-00348

7-Hydroxy-4-(4-morpholinomethyl)-2*H*-1-benzopyran-2-one, *see* O-00099

7-Hydroxy-4-(morpholinomethyl)coumarin, *see* O-00099

2′-Hydroxy-3-morpholinopropiophenone, *see* R-00081

3-(2-Hydroxy-3-morpholinopropyl)-4-methyl-7-(4-morpholinecarboxamido)coumarin 3,4,5-trimethoxycinnamate, *see* C-00359

3-(2-Hydroxy-3-morpholinopropyl)-6,7,8-trimethoxy-1,2,3-benzotriazin-4(3*H*)-one 3,4,5-trimethoxybenzoate, *see* R-00014

▷Hydroxymycin, *see* P-00039

14-Hydroxymycinamycin I, *see* M-00474

▷2-Hydroxy-1,4-naphthalenedione, *see* H-00178

▷5-Hydroxy-1,4-naphthalenedione, *see* H-00179

N-Hydroxy-2-(1-naphthalenyloxy)propanimidamide, *see* N-00047

▷*N*-Hydroxynaphthalimide diethyl phosphate, *see* N-00042

▷2-Hydroxy-1,4-naphthoquinone, H-00178

▷5-Hydroxy-1,4-naphthoquinone, H-00179

▷4-Hydroxy-3-(1-naphthyl)-2*H*-1-benzopyran-2-one, H-00180

2-(2-Hydroxy-1-naphthyl)cyclohexanone, *see* O-00126

▷[2-Hydroxy-2-(2-naphthyl)ethyl]isopropylamine, *see* P-00483

3-Hydroxy-4-(1-naphthyloxy)butyramidooxime, *see* N-00007

▷2-Hydroxy-2′,6′-nicotinoxylidide, *see* I-00196

▷4-Hydroxy-3-nitrobenzenearsonic acid, *see* H-00181

10-Hydroxy-6-nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, *see* H-00160

▷4-Hydroxy-3-nitrophenylarsonic acid, H-00181

▷4-Hydroxy-3-[1-(4-nitrophenyl)-3-oxobutyl]-2*H*-1-benzopyran-2-one, *see* N-00105

▷8-Hydroxy-5-nitroquinoline, H-00182

3-(Hydroxynitrosoamino)alanine, *see* A-00093

N-[2-(Hydroxynitrosoamino)-3-methylbutyl]-2-butenamide, *see* D-00580

m-Hydroxynorephedrine, *see* A-00274

17-Hydroxy-19-norpregna-4,6-diene-3,20-dione, H-00183

▷17-Hydroxy-19-norpregna-4,20-dien-3-one, *see* N-00225

17-Hydroxy-19-norpregna-5(10),20-dien-3-one, *see* N-00215

▷17-Hydroxy-19-nor-17α-pregna-4,9,11-trien-20-yn-3-one, *see* N-00219

17α-Hydroxy-19-nor-4-pregnene-3,20-dione, *see* G-00023

▷17-Hydroxy-19-norpregn-4-en-3-one, *see* N-00211

20-Hydroxy-19-norpregn-4-en-3-one, *see* O-00129

▷17-Hydroxy-19-norpregn-4-en-20-yn-3-one, *see* N-00212

▷17-Hydroxy-19-norpregn-5(10)-en-20-yn-3-one, *see* N-00213

Δ^6-17-Hydroxy-19-norprogesteron-17-ol, *see* H-00183

▷Hydroxynovocain, *see* H-00206

2-Hydroxyoctadecanoic acid, H-00184

2-Hydroxy-4-(octyloxy)benzophenone, *see* O-00004

[2-Hydroxy-4-(octyloxy)phenyl]phenylmethanone, *see* O-00004

▷3-Hydroxy-1,3,5(10)-oestratrien-17-one, *see* O-00031

17-Hydroxy-4-oestren-3-one, H-00185

11β,11-Hydroxy-17*a*-(1-oxobutoxy)homopregna-1,4-diene-3,20-dione, *see* D-00574

▷17-Hydroxy-3-oxo-19-nor-17α-pregna-4,9-diene-21-nitrile, *see* D-00224

▷3β-Hydroxy-11-oxo-12-oleanen-30-oic acid, *see* G-00072

3-Hydroxy-11-oxo-12-oleanen-29-oic acid (1,1-dimethylpyrrolidinium-2-yl)methyl ester, *see* R-00101

▷4-Hydroxy-3-(3-oxo-1-phenylbutyl)-2*H*-1-benzopyran-2-one, *see* W-00001

3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(1-methylethyl)-8-azoniabicyclo[3.2.1]octane(1+), *see* I-00155

3-(3-Hydroxy-1-oxo-2-phenylpropoxy)-8-methyl-8-(3-sulfopropyl)-8-azoniabicyclo[3.2.1]octane hydroxide, inner salt, *see* S-00265

17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid, H-00186

17β-Hydroxy-3-oxopregna-4,6-diene-21-carboxylic acid γ-lactone, *see* C-00027

17-Hydroxy-3-oxopregn-4-ene-7,21-dicarboxylic acid γ-lactone 1-methylethyl ester, *see* D-00208

17-Hydroxy-3-oxopregn-4-ene-7,21-dicarboxylic acid 7-Me ester, *see* M-00355

2-(2-Hydroxy-1-oxopropoxy)-*N*,*N*,*N*-trimethylethanaminium, *see* L-00004
(*R*)-*N*-(2-Hydroxy-1-oxopropyl)-L-alanyl-D-γ-glutamyl-L-*erythro*-α,ε-diaminopimelylglycine, *see* A-00406
17-Hydroxy-3-oxo-7-propylpregn-4-ene-21-carboxylic acid, *see* O-00144
15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid, H-00187
1-Hydroxy-5-oxo-5*H*-pyrido[3,2-*a*]phenoxazine-3-carboxylic acid, *see* P-00318
1-Hydroxy-5-oxo-5*H*-pyrido[3,2-*a*]phenoxazine-3-carboxylic acid, *see* P-00319
4-Hydroxy-2-oxo-1-pyrrolidineacetamide, H-00188
▷13-Hydroxy-3-oxo-13,17-secoandrosta-1,4-dien-17-oic acid δ-lactone, *see* T-00100
4-[2-Hydroxy-3-[[4-oxo-2-(1*H*-tetrazol-5-yl)-4*H*-1-benzopyran-5-yl]oxy]propoxy]benzonitrile, *see* C-00564
o-[2-Hydroxy-3-(*tert*-pentylamino)propoxy]benzonitrile, *see* P-00070
Hydroxypepstatin A, *in* P-00109
▷Hydroxypethidine, H-00189
19*R*-Hydroxy-PGF$_{2\alpha}$, *in* T-00139
▷Hydroxyphenamate, *in* P-00179
▷2-(β-Hydroxyphenethylamino)pyridine, *see* P-00211
▷β-Hydroxyphenethyl carbamate, *see* S-00169
α-(*p*-Hydroxyphenethyl)-4,7-dimethoxy-6-(2-piperidineethoxy)-5-benzofuranmethanol, *see* P-00309
1-(4-Hydroxyphenoxy)-3-(isopropylamino)-2-propanol, *see* P-00419
▷*N*-(4-Hydroxyphenyl)acetamide, *in* A-00298
7-[(Hydroxyphenylacetyl)amino]-3-[[(5-methyl-1,3,4-thiadiazol-2-yl)thio]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00122
4-Hydroxy-5-[[4-(phenylamino)-5-sulfo-1-naphthalenyl]azo]-2,7-naphthalenedisulfonic acid, *see* A-00379
▷4-Hydroxyphenylarsonic acid, H-00190
2-Hydroxy-*N*-phenylbenzamide, *in* H-00112
▷α-Hydroxy-α-phenylbenzeneacetic acid 2-(diethylamino)ethyl ester, *see* B-00034
▷α-Hydroxy-α-phenylbenzeneacetic acid 2-(dimethylamino)-1,1-dimethylethyl ester, *see* D-00261
α-Hydroxy-α-phenylbenzeneacetic acid 2-(dimethylamino)ethyl ester, *see* D-00410
α-Hydroxy-α-phenylbenzeneacetic acid 2-(ethylpropylamino)-ethyl ester, *see* B-00037
α-Hydroxy-α-phenylbenzeneacetic acid (1-methyl-3-pyrrolidinyl)methyl ester, *see* T-00447
α-Hydroxy-α-phenylbenzeneacetic acid 2-(1-piperidinyl)ethyl ester, *see* P-00291
β-Hydroxy-β-phenylbenzenepropanoic acid, *see* H-00126
7-Hydroxy-3-phenyl-4*H*-1-benzopyran-4-one, *see* H-00144
3-Hydroxy-8-(*p*-phenylbenzyl)tropanium, *see* X-00011
▷*p*-Hydroxyphenylbutazone, *see* O-00158
2-(4-Hydroxyphenyl)-2-butene, *see* M-00298
5-[1-Hydroxy-2-[6-(4-phenylbutoxy)hexylamino]ethyl]-salicyl alcohol, *see* S-00019
4-Hydroxy-α′-[[[6-(4-phenylbutoxy)hexyl]amino]methyl]-1,3-benzene dimethanol, *see* S-00019
▷3-Hydroxy-2-phenylcinchoninic acid, *see* H-00195
2-Hydroxy-2-phenylcyclohexanecarboxylic acid, *see* C-00336
α-(1-Hydroxy-4-phenylcyclohexyl)butyric acid, *see* F-00040
1-Hydroxy-α-phenylcyclopentaneacetic acid 2-(diethylamino)-ethyl ester, *see* C-00601
1-Hydroxy-α-phenylcyclopentaneacetic acid 2-(dimethylamino)-ethyl ester, *see* C-00631
3-Hydroxyphenyldimethylethylammonium, *see* E-00016
6-[4-(4-Hydroxyphenyl)-2,2-dimethyl-5-oxo-1-imidazolidinyl]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* O-00104
2-[3-(*m*-Hydroxyphenyl)-2,3-dimethylpiperidino]acetophenone, *see* M-00476
2-[3-(3-Hydroxyphenyl)-2,3-dimethyl-1-piperidinyl]ethanone, *see* M-00476
▷4-(3-Hydroxyphenyl)-1,3-dimethyl-4-propylpiperidine, *see* P-00232
1-(4-Hydroxyphenyl)-3,7-dimethyl-3-vinyl-1,6-octadiene, *see* B-00006
2-Hydroxy-1-phenylethanone, *see* H-00107
▷2-Hydroxy-2-phenylethylamine, *see* A-00304
5-[2-(4-Hydroxyphenyl)ethyl]-1,3-benzenediol, *see* D-00345
▷2-Hydroxy-2-phenylethyl carbamate, *see* S-00169
3-[2-(4-Hydroxyphenyl)ethyl]-5-methoxyphenol, *in* D-00345
▷2-[6-(2-Hydroxy-2-phenylethyl)-1-methyl-2-piperidinyl]-1-phenylethanone, *see* L-00064
2-(*p*-Hydroxyphenyl)glycine, *see* A-00269
▷(4-Hydroxyphenyl)glycylamino-3-(1*H*-1,2,3-triazol-4-ylthiomethyl)-3-cephem-4-carboxylic acid, *see* C-00117
2-(2-Hydroxyphenyl)-3-(3-mercapto-1-oxopropyl)-4-thiazolidinecarboxylic acid, *see* R-00022
▷Hydroxyphenylmercury, H-00191
▷2-Hydroxyphenylmercury chloride, *see* C-00247
▷1-*m*-Hydroxyphenyl-2-methylaminoethanol, *in* A-00272
▷1-(*p*-Hydroxyphenyl)-2-methylaminoethanol, *see* S-00286
1-(4-Hydroxyphenyl)-2-[1-methyl-3-(4-hydroxyphenyl)-propylamino]ethanol, *see* B-00414
▷4-(*m*-Hydroxyphenyl)-1-methylisonipecotic acid ethyl ester, *see* H-00189
▷1-[4-(3-Hydroxyphenyl)-1-methyl-4-piperidinyl]-1-propanone, *see* K-00014
▷4-*m*-Hydroxyphenyl-1-methyl-4-propionylpiperidine, *see* K-00014
4-[2-[[3-(4-Hydroxyphenyl)-1-methylpropyl]amino]ethyl]-1,2-benzenediol, *see* D-00561
5-[(4-Hydroxyphenyl)methyl]-2-pyridinecarboxylic acid, *see* H-00117
1-(2-Hydroxyphenyl)-3-(4-morpholinyl)-1-propanone, *see* R-00081
2-(3-Hydroxyphenyl)-1-oxa-4-azaspiro[4.6]undecane, *see* C-00325
▷2-(2-Hydroxyphenyl)-1,3,4-oxadiazole, H-00192
3-[3-(3-Hydroxyphenyl)-1-oxopropyl]-6-methyl-2*H*-pyran-2,4(3*H*)-dione, *see* P-00559
6-[[(4-Hydroxyphenyl)[[(4-oxo-4*H*-thiopyran-3-yl)carbonyl]-amino]acetyl]amino]-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid, *see* T-00290
3α-Hydroxy-8-(*p*-phenylphenacyl)-1α*H*,5α*H*-tropanium, *see* F-00081
N-Hydroxy-2-[phenyl(phenylmethyl)amino]ethanimidamide, *see* C-00186
▷1-[4-[2-Hydroxy-3-(4-phenyl-1-piperazinyl)propoxy]phenyl]-1-propanone, *see* C-00169
N-(4-Hydroxyphenyl)propanamide, *see* P-00029
▷1-(4-Hydroxyphenyl)-1-propanone, H-00193
1-(3-Hydroxyphenyl)-2-propylamine, *see* A-00321
1-(4-Hydroxyphenyl)-2-propylamine, *see* A-00322
4-Hydroxy-3-(1-phenylpropyl)-2*H*-1-benzopyran-2-one, *see* P-00174
1-(3-Hydroxy-3-phenylpropyl)-4-phenylisonipecotic acid ethyl ester, *see* P-00165
1-(3-Hydroxy-3-phenylpropyl)-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* P-00165
3-(3-Hydroxyphenyl)-1-propylpiperidine, H-00194
2-Hydroxy-2-phenylpropyne, *see* P-00204
▷3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, H-00195
3-Hydroxy-4-phenyl-2(1*H*)-quinolinone, H-00196
N-(4-Hydroxyphenyl)retinamide, H-00197
5-(3-Hydroxyphenyl)-1*H*-tetrazole, H-00198
2-(2-Hydroxyphenyl)-4-thiazolecarboxaldehyde, *in* H-00199
2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid, H-00199
1-[2-[(Hydroxyphenyl-2-thienylacetyl)methylamino]ethyl]-1-methylpyrrolidinium, *see* D-00587
3-[(Hydroxyphenyl-2-thienylacetyl)oxy]-1,1-dimethylpyrrolidinium, *see* H-00036
4-[3-Hydroxy-3-phenyl-3-(2-thienyl)propyl]-4-methylmorpholinium, *see* T-00257
▷2-[*N*-(*m*-Hydroxyphenyl)-*p*-toluidinomethyl]imidazoline, *see* P-00175
2-[[Hydroxyphenyl(tricyclo[2.2.1.0^{2,6}]hept-3-yl)acetyl]-oxy]-*N*,*N*,*N*-trimethylethanaminium, *see* E-00047
(*m*-Hydroxyphenyl)trimethylammonium decamethylene-bis[methylcarbamate] (2:1) ester, *see* D-00061
4-(Hydroxy-2-piperidinylmethyl)-1,2-benzenediol, *see* R-00058

2-Hydroxy-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-acetamide, *see* R-00097
3-[3-(3-Hydroxy-2-piperidinyl)-2-oxopropyl]-4(3*H*)-quinazolinone, *see* F-00023
▷10-[3-(4-Hydroxy-1-piperidinyl)propyl]phenothiazine-2-carbonitrile, *see* P-00121
β-Hydroxypiromidic acid, *in* P-00349
Hydroxypolyethoxydodecane, *see* P-00380
▷Hydroxyprednisolone acetonide, *see* D-00101
3-Hydroxy-11,20-pregnanedione, H-00200
21-Hydroxy-3,20-pregnanedione, H-00201
▷17-Hydroxy-4-pregnene-3,20-dione, H-00202
▷21-Hydroxy-4-pregnene-3,20-dione, H-00203
21-Hydroxy-4-pregnene-3,11,20-trione, H-00204
3-Hydroxy-5-pregnen-20-one, H-00205
▷17α-Hydroxy-4-pregnen-20-yn-3-one, *see* E-00156
▷Hydroxyprocaine, H-00206
Hydroxyprogesterone, *in* H-00202
▷17-Hydroxyprogesterone, *see* H-00202
▷21-Hydroxyprogesterone, *see* H-00203
Hydroxyprogesterone acetate, *in* H-00202
▷Hydroxyprogesterone caproate, *in* H-00202
Hydroxyprogesterone heptanoate, *in* H-00202
▷Hydroxyprogesterone hexanoate, *in* H-00202
4-Hydroxyproline, *see* H-00210
▷2-Hydroxypropane, *see* P-00491
▷3-Hydroxy-1,2-propanedithiol, *see* D-00385
5,5′-[(2-Hydroxy-1,3-propanediyl)bis(acetylamino)]-bis[*N*,*N*′-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-1,3-benzenedicarboxamide, *see* I-00099
5,5′-[(2-Hydroxy-1,3-propanediyl)bis(oxy)]bis[4-oxo-4*H*-1-benzopyran-2-carboxylic acid, *see* C-00565
3-Hydroxy-1-propanesulfonic acid salicylate, *see* S-00260
▷2-Hydroxy-1,2,3-propanetricarboxylic acid, *see* C-00402
2-Hydroxy-1,2,3-propanetricarboxylic acid trilithium salt, *see* L-00059
▷2-Hydroxypropanoic acid, H-00207
4′-Hydroxypropionanilide, *see* P-00029
▷4′-Hydroxypropiophenone, *see* H-00193
▷2-Hydroxypropylamine, *see* A-00318
▷3-Hydroxypropylamine, *see* A-00319
17-[(3-Hydroxypropyl)amino]estra-1,3,5(10)-trien-3-ol, *see* P-00471
7-[2-Hydroxy-3-(propylamino)propoxy]flavone, *see* F-00110
7-[2-Hydroxy-3-(propylamino)propoxy]-2-phenyl-4*H*-1-benzopyran-4-one, *see* F-00110
1-[2-[2-Hydroxy-3-(propylamino)propoxy]phenyl]-3-phenyl-1-propanone, *see* P-00486
2′-(2-Hydroxy-3-propylaminopropoxy)-3-phenylpropiophenone, *see* P-00486
17-Hydroxy-17-propylandrost-4-en-3-one, *see* T-00384
2-Hydroxypropyl 14-deoxyvincaminate, *see* V-00043
2-Hydroxypropyl 14,15-dihydro-3α,16α-eburnamenine-14α-carboxylate, *see* V-00043
3-Hydroxypropylene 3-acetamido-4-hydroxydithiobenzenearsonoate, *see* A-00451
6-[(2-Hydroxypropyl)methylamino]-3(2*H*)-pyridazinone hydrazone, *see* P-00251
1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
1-(3-Hydroxypropyl)-2-methyl-5-nitroimidazole, *see* T-00094
2-[*N*-[β-[4-(α-Hydroxypropyl)phenoxy]ethyl]amino]-1-phenylpropane, *see* F-00034
▷5-(2-Hydroxypropyl)-5-(2-propenyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* P-00546
1-[2-Hydroxy-3-propyl-4-[4-(1*H*-tetrazol-5-yl)butoxy]-phenyl]-ethanone, *see* T-00375
▷1-(2-Hydroxypropyl)theobromine, *see* P-00534
▷7-(2-Hydroxypropyl)theophylline, *see* P-00551
(2-Hydroxypropyl)trimethylammonium carbamate, *see* B-00143
▷4-Hydroxypyrazolo[3,4-*d*]pyrimidine, *see* D-00300
3-Hydroxypyridine, H-00209
N-Hydroxy-3-pyridinecarboxamide, *in* P-00570
Hydroxypyridine tartrate, *in* H-00209
2-Hydroxy-5-[[4-[2-pyridinylamino)sulfonyl]phenyl]azo]-benzeneacetic acid, *see* H-00086
▷2-Hydroxy-5-[[4-[(2-pyridinylamino)sulfonyl]phenyl]azo]-benzoic acid, *see* S-00253
1-Hydroxypyrido[3,2-*a*]-5-phenoxazone-3-carboxylic acid, *see* P-00319
▷4-Hydroxy-4′-(2-pyridylsulfamoyl)azobenzene-3-carboxylic acid, *see* S-00253
4-Hydroxy-2-pyrrolidinecarboxylic acid, H-00210
▷8-Hydroxyquinoline, H-00211
▷3-Hydroxyquinuclidine, *see* Q-00035
▷5-Hydroxy-1-β-D-ribofuranosyl-1*H*-imidazole-4-carboxamide, *see* B-00267
▷4-Hydroxy-3-ribofuranosyl-1*H*-pyrazole-5-carboxamide, *see* P-00566
▷4-Hydroxy-1β-D-ribofuranosyl-2(1*H*)-pyridinone, *see* D-00031
2-Hydroxyribostamycin, *in* R-00040
2-Hydroxy-*myo*-ribostamycin, *in* R-00040
2-Hydroxy-*scyllo*-ribostamycin, *in* R-00040
2-Hydroxysagamicin, *in* G-00018
▷4′-Hydroxysalicylanilide, *see* O-00066
▷5-Hydroxysalicylic acid, *see* D-00316
3α-Hydroxyspiro[nortropane-8,1′-pyrrolidinium] benzilate, *see* T-00558
2-Hydroxystearic acid, *see* H-00184
Hydroxystenozole, H-00212
▷Hydroxystilbamidine, H-00213
Hydroxystilbamidine isethionate, *in* H-00213
▷2-Hydroxy-4,4′-stilbenedicarboxamidine, *see* H-00213
14-Hydroxystrychnidin-10-one, *in* S-00167
▷4-Hydroxystrychnine, *in* S-00167
▷12-Hydroxystrychnine, *in* S-00167
15-Hydroxystrychnine, *in* S-00167
12-Hydroxystrychnine N^b-oxide, *in* S-00167
▷2-Hydroxy-5-sulfobenzoic acid, H-00214
▷Hydroxytetracaine, *see* H-00104
Hydroxytetramethylammonium(1+), *see* H-00177
16-Hydroxythebaine, *in* T-00162
2-Hydroxy-5-[[4-[(2-thiazolylamino)sulfonyl]phenyl]azo]-benzoic acid, *see* S-00010
N-[3-(2-Hydroxy-2-(2-thienyl)ethyl]-2(3*H*)-thiazolylidene]-acetamide, *see* A-00401
▷Hydroxytoluic acid, *see* H-00155
▷2-Hydroxy-*m*-toluic acid, *see* H-00155
1-[2-(2-Hydroxy-3-*o*-tolyloxypropylamino)ethyl]-5-methyluracil, *see* P-00435
▷2-Hydroxy-3-*O*-tolyloxypropyl carbamate, *in* M-00283
15α-Hydroxytomatidine, *in* T-00374
▷2-Hydroxytricarballylic acid, *see* C-00402
17-(1-Hydroxy-2,2,2-trichloroethoxy)estra-1,3,5(10)-trien-3-ol, *see* C-00518
▷2-Hydroxytriethylamine, *in* A-00253
2-Hydroxy-4-(trifluoromethyl)benzoic acid, H-00215
2-Hydroxy-*N*-[3-(trifluoromethyl)phenyl]benzamide, *see* S-00014
17α-Hydroxy-6α-trifluoromethyl-4-pregnene-3,20-dione, *see* F-00154
▷α-(3-Hydroxy-2,4,6-triiodobenzyl)butyric acid, *see* I-00128
2-Hydroxy-3,8,9-trimethoxy-5-methylbenzo[*c*]-phenanthridinium(1+), *see* F-00009
2′-Hydroxy-2,5,9-trimethyl-6,7-benzomorphan, *see* M-00155
N-[[(3-Hydroxy-4,7,7-trimethylbicyclo[2.2.1]hept-2-yl)-amino]-carbonyl]-4-methylbenzenesulfonamide, *see* G-00033
4-Hydroxy-α,α,4-trimethylcyclohexanemethanol, H-00216
3-Hydroxy-3,7,11-trimethyldodecanoic acid, *see* T-00417
(2-Hydroxytrimethylene)bis(trimethylammonium)diiodide, *in* D-00135
▷2-Hydroxytrimethylenediamine, *see* D-00135
▷2-Hydroxy-*N*,*N*,*N*-trimethylethanaminium, *see* C-00308
3-Hydroxy-3,7,11-trimethyllauric acid, *see* T-00417
1-Hydroxy-*N*,*N*,*N*-trimethylmethanaminium, *see* H-00177
15-Hydroxy-11,16,16-trimethyl-9-oxoprosta-5,13-dien-1-oic acid, *see* T-00517
▷4-Hydroxy-2,2,6-trimethylpiperidine, *see* T-00511
1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium, H-00217
▷9-Hydroxy-2,5,11-trimethyl-6*H*-pyrido[4,3-*b*]carbazolium(1+), *see* E-00028

▷17β-Hydroxy-19,21,24-trinor-4,9,11,22-cholatetraen-3-one, *see* A-00159
▷5-Hydroxytryptamine, H-00218
▷5-Hydroxytryptophan, H-00219
▷Hydroxytyramine, *see* D-00579
3-Hydroxytyrosine, *see* A-00248
▷Hydroxyurea, H-00220
8-Hydroxyverrucarin *A*, *in* V-00023
16-Hydroxyverrucarin *A*, *in* V-00023
2′-Hydroxyvincaleukoblastine, *in* V-00032
19-Hydroxyvincamine, *in* V-00033
20-Hydroxyvincamine, *in* V-00033
▷17β-Hydroxy-17α-vinylestr-4-en-3-one, *see* N-00225
1α-Hydroxyvitamin D_3, *see* A-00109
25-Hydroxyvitamin D_3, H-00221
12β-Hydroxywithaferin *A*, *in* W-00002
15β-Hydroxywithaferin *A*, *in* W-00002
▷4-Hydroxy-3-(3,5-xylyl)coumarin, *see* X-00022
17α-Hydroxyyohimban-16α-carboxylic acid, *see* Y-00001
▷Hydroxyzine, H-00222
▷Hydroxyzine hydrochloride, *in* H-00222
Hydroxyzine pamoate, *in* H-00222
Hydroxyzine trimethoxybenzoate, *in* H-00222
▷Hydura, *see* H-00220
▷Hygromycin, *see* H-00223
▷Hygromycin *A*, H-00223
▷Hygronium, *in* T-00413
Hygrophylline, *in* P-00372
▷Hygroton, *see* C-00302
▷Hykolex, *see* D-00049
Hylorel, *in* G-00100
▷Hymecromone, *see* H-00156
▷Hyoscine, *see* S-00031
▷Hyoscine butyl bromide, *in* S-00031
▷Hyoscine methobromide, *in* S-00031
Hyoscine N-oxide 1, *in* S-00031
▷Hyoscyamine, *in* T-00554
Hyoscyamine hydrobromide, *in* T-00554
Hyoscyamine N-oxide 1, *in* T-00554
Hyoscyamine *N*-oxide 2, *in* T-00554
Hyoscyamine sulfate, *in* T-00554
▷Hyosol, *in* S-00031
▷Hypalène, *see* C-00629
▷Hypantin, *in* D-00257
▷Hypaque sodium, *in* D-00138
Hypaventral, *in* M-00326
▷Hyperan, *see* H-00073
▷Hyperglycaemic-glycogenolytic factor, *see* G-00051
Hyperium, *see* R-00052
▷Hypersal, *see* S-00085
▷Hyperstat, *see* D-00152
Hypertensin, *see* A-00385
Hypertensin-CIBA, *in* A-00385
▷Hyphylline, *see* D-00523
▷Hypnazol, *see* H-00192
▷Hypnodil, *in* M-00331
▷Hypnodin, *see* P-00126
Hypnofon, *see* T-00449
▷Hypnon (soviet), *see* C-00272
▷Hypnorm, *in* F-00077
Hypnovel, *in* M-00368
Hypo, *in* S-00091
▷Hypocholate, *in* T-00475
Hypoglycin *A*, H-00224
▷Hypoglycin *B*, H-00225
Hypohistamine, *see* T-00541
▷Hypophenon, *see* H-00193
▷Hypotensin, *in* A-00499
Hypotensine, *see* S-00269
▷Hypotyl, *in* B-00271
▷Hypovase, *in* P-00409
▷Hypoxanthine riboside, *see* I-00073
▷Hypoxanthosine, *see* I-00073
▷Hyproval P.A., *in* H-00202
Hyrganol, *in* C-00627
▷Hyseptine, *in* M-00229
▷Hyserp, *in* H-00096
▷Hytakerol, *see* D-00304
▷Hyvermectin, *see* I-00225
HZ 21, *see* G-00074
HZ 59, *see* G-00039
I 255, *in* I-00015
I 612, *see* R-00085
▷I 337A, *see* C-00195
▷Iasson, *see* C-00272
▷Iba-Cide, *see* C-00235
Ibacitabine, I-00001
Ibafloxacin, I-00002
▷Ibaril, *see* D-00102
Ibazocine, I-00003
▷Ibenzmethyzin, *see* P-00448
▷IBH 194, *see* I-00196
IBH 244, *in* A-00326
IBI-C 83, *see* R-00093
▷Ibidomide, *see* L-00001
▷Ibiozedrine, *in* P-00202
Ibogaine, I-00004
▷Ibomalum, *see* B-00291
Ibopamine, I-00005
Ibrin, *in* F-00103
Ibrotalum, *see* B-00301
Ibrotamide, *see* B-00301
Ibudilast, I-00006
Ibudros, *see* I-00009
▷Ibufenac, I-00007
▷Ibunac, *see* I-00007
Ibuprofen, I-00008
Ibuprofen aluminum, USAN, *in* I-00008
Ibuprofen-Lysine, *in* I-00008
Ibuproxam, I-00009
▷Ibustrin, *see* I-00060
Ibuterol, *in* T-00084
Ibuverine, *in* C-00614
▷Ibylcainum, *in* M-00299
I-2743C, *in* A-00415
▷IC 5911, *in* T-00208
▷Icaden, *in* I-00183
▷Icar, *see* C-00223
Ichthammol, I-00010
Ichthymall, *see* I-00010
Ichthyol, *see* I-00010
▷ICI 8173, *see* Q-00031
ICI 9073, *see* P-00381
ICI 118587, *in* X-00001
ICI 118630, *see* G-00081
ICI 128436, *see* P-00387
ICI 136753, *see* T-00393
ICI 139603, *see* T-00157
ICI 141292, *see* E-00071
ICI 15688, *see* D-00553
ICI 156834, *in* C-00139
ICI 194660, *see* M-00128
▷ICI 29661, *see* P-00587
▷ICI 32525, *see* S-00200
▷ICI 32865, *see* D-00225
▷ICI 33828, *see* M-00165
▷ICI 35868, *see* D-00367
▷ICI 38174, *see* P-00483
ICI 45457, *in* H-00049
ICI 45763, *in* T-00352
ICI 46474, *see* T-00023
▷ICI 46476, *in* C-00471
▷ICI 46683, *see* O-00149
ICI 47319, *in* P-00514
▷ICI 47699, *in* T-00023
▷ICI 50123, *see* P-00079
▷ICI 50172, *see* P-00394
▷ICI 51426, *in* D-00282
▷ICI 54450, *see* F-00043
ICI 54594, *see* B-00279
ICI 55897, *see* C-00439
▷ICI 58834, *see* V-00029

▷ICI 59118, *see* R-00016
▷ICI 69653, *see* A-00422
ICI 72222, *see* C-00181
ICI 74917, *see* B-00351
ICI 80996, *in* C-00490
ICI 81008, *see* F-00212
ICI 85966, *in* D-00257
▷ICI 125,211, *see* T-00305
▷Icifen, *in* F-00081
ICIG 1105, *see* B-00248
ICI-US 457, *in* H-00049
Iclazepam, I-00011
▷ICN 4221, *see* T-00246
8,11,14,18-Icosatetraenoic acid, I-00012
Icospiramide, I-00013
Icotidine, I-00014
▷ICRF 159, *see* R-00016
Icthadone, *see* I-00010
▷ID-530, *see* N-00147
▷ID-540, *see* F-00144
▷Idalon, *see* F-00119
Idaltim, *see* C-00551
Idanpramine, I-00015
▷Idarac, *see* F-00119
▷Idarubicin, I-00016
▷Idarubicin hydrochloride, *in* I-00016
▷Idasal, *see* M-00194
Idazoxan, *see* D-00280
I.D.C., *see* I-00001
▷Idealid, *in* L-00043
Idebenone, I-00017
▷Idoburonil, *in* M-00083
Idom, *in* D-00588
▷Idonor, *see* P-00369
▷Idoxuridine, *see* D-00081
Idralfidine, I-00018
Idro P_2, *in* D-00332
Idrobil, *see* F-00121
Idrobutamine, *see* B-00403
▷Idrocilamide, *see* H-00130
Idroepar, *see* F-00121
Idroestril, *in* D-00257
▷Idroflumetiazide, *see* H-00099
Idrokin, *see* Q-00021
Idrolone, *in* F-00075
Idro P_3, *in* O-00081
Idropranolol, I-00019
▷Idulian, *in* A-00512
▷Iduridine, *see* D-00454
▷Iebolen, *in* H-00185
IF, *see* I-00079
▷Ifenprodil, I-00020
▷Ifex, *see* I-00021
IFN-α, *in* I-00079
IFN-γ, *in* I-00079
IFN-β1, *in* I-00079
IFN-β2, *see* I-00085
▷Ifomide, *see* I-00021
▷Ifosfamide, I-00021
Ifoxetine, *in* D-00444
IG-10, *see* M-00268
Igepal CA 630, *see* O-00024
Igepal CO 630, *see* N-00206
▷Iktoril, *see* C-00475
IL-1, *see* I-00080
IL-2, *see* I-00081
IL-3, *see* I-00082
IL-4, *see* I-00083
IL-5, *see* I-00084
IL-6, *see* I-00085
▷IL 6001, *see* T-00516
IL 19552, *in* P-00302
Ilagan, *see* C-00443
▷Ildamen, *in* O-00151
Ileoptine, *see* M-00412
▷Iliadin-mini, *in* O-00153
▷Ilidar, *in* A-00504
Iliren, *see* T-00244
Ilmofosine, I-00022
Iloprost, I-00023
▷Ilotycin, *see* E-00115
▷Ilotycin gluceptate, *in* E-00115
Ilozyme, *see* P-00011
▷Imadyl, *see* C-00099
Imafen, *in* T-00130
Imafen hydrochloride, *in* T-00130
▷Imagotan, *see* S-00222
Imakol, *in* O-00132
Imanixil, I-00024
▷Imap, *see* F-00223
▷Imaverol, *see* I-00025
▷Imazalil, I-00025
Imazodan, I-00026
Imazodan hydrochloride, *in* I-00026
Imbresulf, *see* S-00213
Imbretil, *in* C-00055
Imcarbofos, I-00027
▷IMD, *in* M-00064
IMD 760, *see* A-00495
Imequyl, *see* F-00155
▷IMET 3393, *in* B-00044
IMET 98/69, *see* B-00216
Imexon, *see* A-00237
▷IMI-28, *in* A-00080
▷IMI 30, *see* I-00016
▷IMI 58, *in* A-00080
Imiclopazine, I-00028
▷Imidan, *see* P-00213
Imidapril, I-00029
Imidazate, *in* H-00112
▷Imidazolamine, *see* A-00400
▷1*H*-Imidazole-4-ethanamine, *see* H-00077
▷Imidazole mustard, I-00030
Imidazole salicylate, *in* H-00112
Imidazol-1-ethanol benzoate, *see* I-00031
4-(2-Imidazolin-2-ylamino)-2-methyl-2*H*-indazole, *see* I-00051
2-(2-Imidazolinyl)-3-indolyl sulfide, *see* T-00292
▷*m*-[*N*-(2-Imidazolin-2-ylmethyl)-*p*-toluidino]phenol, *see* P-00175
3-(2-Imidazolin-2-ylthio)indole, *see* T-00292
2-Imidazol-1-yl-2′-acetonaphthone, *see* N-00016
1-[4-(4-Imidazolyl)butyl]-3-methyl-2-thiourea, *see* B-00375
N-[4-(1*H*-Imidazol-4-yl)butyl]-*N*′-methylthiourea, *see* B-00375
1-[2-(1*H*-Imidazol-1-yl)ethenyl]hexyl 3-pyridinecarboxylate, *see* N-00099
4-[2-(1*H*-Imidazol-1-yl)ethoxy]benzoic acid, *see* D-00029
(2-Imidazol-1-yl)ethyl benzoate, I-00031
6-[2-(1*H*-Imidazol-1-yl)-1-[[(4-methoxyphenyl)methoxy]-methyl]ethoxy]-2,2-dimethylhexanoic acid, *see* D-00388
N-2-(1*H*-Imidazol-4-yl)-1-methylethyl]-*N*′-[2-[[(5-methyl-1*H*-imidazol-4-yl)methyl]thio]ethyl]guanidine, *see* S-00102
3-(1*H*-Imidazol-1-ylmethyl)-2-methyl-1*H*-indole-1-propanoic acid, *see* D-00025
1-Imidazolylmethyl 2-naphthyl ketone, *see* N-00016
3-[4-(1*H*-Imidazol-1-yl)methyl]phenyl]-2-propenoic acid, *see* O-00168
2-(1*H*-Imidazol-1-yl)-1-(2-naphthalenyl)ethanone, *see* N-00016
3-Imidazol-1-ylpentylallyl nicotinate, *see* N-00099
N-(*p*-Imidazol-4-ylphenyl)-*N*′-isopropylformamidine, *see* M-00370
N-[4-(1*H*-Imidazol-4-yl)phenyl-*N*′-(1-methylethyl)-methanimidamide, *see* M-00370
N-[3-(1*H*-Imidazol-4-yl)propyl]-*N*′-[2-[[(5-methyl-1*H*-imidazol-4-yl)methyl]thio]ethyl]guanidine, *see* I-00046
1*H*-Imidazo[1,2-*b*]pyrazole, I-00032
Imidazo[1,5-*a*]pyridine-5-hexanoic acid, *see* P-00341
▷*p*-Imidazo[1,2-*a*]pyridin-2-ylhydratropic acid, *see* M-00394

▷4-(Imidazo[1,2-*a*]pyridin-2-yl)-α-methylbenzeneacetic acid, *see* M-00394
Imidazo[1,2-*a*]quinoxaline-2-carboxylic acid, *see* D-00028
5-(1*H*-Imidaz-2-yl)-1*H*-tetrazole, I-00033
Imido, *in* H-00077
Imidocarb, I-00034
▷Imidocarb hydrochloride, *in* I-00034
Imidoline, I-00035
Imidoline hydrochloride, *in* I-00035
Imidolol, *see* A-00070
Imiloxan, I-00036
Imiloxan hydrochloride, *in* I-00036
α,α′-[Iminobis(methylene)]bis[2,3-dihydro-1,4-benzodioxin-2-methanol], *see* B-00043
α,α′-[Iminobis(methylene)]bis[6-fluoro-3,4-dihydro-2*H*-1-benzopyran-2-methanol], *see* N-00057
3,3′-Iminobis-1-propanol, I-00037
4-Imino-1,3-diazabicyclo[3.1.0]hexan-2-one, *see* A-00237
4,4′-(Iminodimethylene)dipyridine, *see* D-00531
3,3′-Iminodi-1-propanol, *see* I-00037
[Imino[[imino[(phenylmethyl)amino]methyl]amino]methyl]-phosphoramidic acid, *see* B-00051
2-Imino-3-methyl-1-phenyl-4-imidazolidinone, I-00038
Iminophenimide, *see* E-00216
▷2-Imino-5-phenyl-4-oxazolidinone, *see* A-00306
Iminostilbene, *see* D-00155
Imipemide, *see* I-00039
Imipenem, I-00039
▷Imipramine, I-00040
▷Imipramine hydrochloride, *in* I-00040
Imipraminoxide, *in* I-00040
Imiprex, *in* I-00040
Imirestat, I-00041
▷Imizocarb, *in* I-00034
▷Immetro, *in* O-00163
▷Immetropan, *in* O-00163
▷Immobilon, *in* A-00015
Immobilon, *in* E-00263
Immuglobin, *see* G-00049
Immune interferon, *in* I-00079
Immuneron, *in* I-00079
Immunox, *see* T-00225
Imodium, *see* L-00087
Imolamine, I-00042
▷Imotol, *in* B-00353
▷Imovance, *see* Z-00037
▷Imovane, *see* Z-00037
Imoxiterol, I-00043
Impacarzine, I-00044
Impactil, *in* F-00255
Impavido, *see* T-00324
▷Impeasel, *see* N-00111
▷Impedil, *in* D-00313
▷Imperatorin, I-00045
Impromen, *see* B-00324
Impromidine, I-00046
▷Impromidine hydrochloride, *in* I-00046
▷Improntal, *see* P-00351
▷Improsulfan, *in* I-00037
Impulsin, *see* P-00006
▷IMPY, *in* I-00032
▷Imulact, *see* T-00271
Imuracetam, I-00047
▷Imuran, *see* A-00513
▷Imurek, *see* A-00513
▷Imuthiol, *in* D-00244
Inactone, *in* D-00441
▷Inamycin, *see* N-00228
Inaperisone, I-00048
Inapetyl, *in* B-00115
▷Inapsine, *see* D-00608
▷Incazane, *in* M-00340
Incidal, *in* M-00035
Incidan, *in* M-00035
Indacrinic acid, *see* I-00049
Indacrinone, I-00049
▷Indaliton, *see* C-00264
▷Indalone, *see* B-00416
Indalpine, *see* P-00287
▷Indanal, *see* C-00225
Indanazoline, I-00050
Indanazoline hydrochloride, *in* I-00050
Indanidine, I-00051
Indanidine hydrochloride, *in* I-00051
Indanorex, *see* A-00320
Indanpramine hydrochloride, *in* I-00015
2-(4-Indanylamino)-2-imidazoline, *see* I-00050
O-5-Indanyl *m*,*N*-dimethylthiocarbanilate, *see* T-00351
α-(5-Indanyloxycarbonyl)benzylpenicillin, *see* C-00077
▷Indapamide, I-00052
Indaterol, *see* N-00073
Indatraline, I-00053
Indecainide, I-00054
Indecainide hydrochloride, *in* I-00054
Indeloxazine, I-00055
▷Indeloxazine hydrochloride, *in* I-00055
Indenolol, I-00056
Indenolol hydrochloride, JAN, *in* I-00056
1-[1*H*-Inden-4(or 7)-yloxyl]-3-[(1-methylethyl)amino]-2-propanol, *see* I-00056
2-[(1*H*-Inden-7-yloxy)methyl]morpholine, *see* I-00055
▷Inderal, *in* P-00514
▷Indexon, *see* D-00102
Indicin, *see* G-00052
Indicine, I-00057
▷Indicine N-oxide, *in* I-00057
▷Indigestin, *in* D-00070
▷Indigo carmine, *in* I-00058
Indigodisulfonic acid, *see* I-00058
Indigotindisulfonic acid, I-00058
▷Indigotine, *in* I-00058
▷Indium chloride, I-00059
Indium oxyquinoline, *in* H-00211
▷Indobufen, I-00060
Indocaine, *see* D-00297
Indocarb, *see* I-00061
Indocate, I-00061
▷Indocin, *see* I-00065
Indocyanine green, I-00062
▷Indocybin, *in* D-00411
Indoglucin, *see* G-00052
Indokain, *see* D-00297
▷Indoklon, *see* B-00239
▷Indolacin, *see* C-00369
Indolapril, I-00063
Indolapril hydrochloride, *in* I-00063
▷Indolatsin, *see* C-00369
▷1*H*-Indole-3-ethanamine, *see* T-00566
Indolidan, I-00064
3-3′-Indolyl-2-alanine, *see* T-00567
▷2-(3-Indolyl)ethylamine, *see* T-00566
N-[1-[2-(1-*H*-Indol-3-yl)ethyl]-4-piperidinyl]benzamide, *see* I-00069
▷1-(Indol-4-yloxy)-3-(isopropylamino)-2-propanol, *see* P-00270
▷1-(1*H*-Indol-4-yloxy)-3-[(1-methylethyl)amino]-2-propanol, *see* P-00270
α-[(1*H*-Indol-4-yloxy)methyl]-4-(phenoxymethyl)-1-piperidineethanol, *see* M-00383
▷Indomed, *see* I-00065
Indometacin glucosamide, *see* G-00052
▷Indometacin, *see* I-00065
Indometacin paracetamol ester, *in* I-00065
Indometacin 3-phthalidyl ester, *see* T-00011
▷Indomethacin, I-00065
Indopanolol, I-00066
Indopine, I-00067
▷Indoprofen, I-00068
Indoramin, I-00069
Indoramin hydrochloride, *in* I-00069
Indorenate, I-00070
Indorenate hydrochloride, *in* I-00070

▷Indorm, *in* P-00504
Indosamide, *see* G-00052
▷Indoxamic acid, *see* O-00082
Indoxole, *see* B-00227
Indriline, *see* D-00413
▷Indriline hydrochloride, *in* D-00413
Inductin, *see* D-00516
Indunox, *in* E-00246
▷Inepa, *see* N-00111
▷Inetol, *see* P-00483
▷INF 4668, *in* M-00045
▷Infalyte, *in* P-00391
Infendolol, *see* I-00066
▷Inflamen, *see* B-00287
▷Inflamid, *see* B-00059
▷Inflatine, *in* L-00064
▷Ingramycin, *see* A-00099
▷Inhalan, *see* D-00183
▷Inhelthran, *see* C-00230
▷Inhibine, *see* H-00100
Inhibostamin, *see* T-00541
Ini-Cardio, *in* D-00241
Inicarone, I-00071
▷Inimur, *see* N-00118
Injectavel, *in* D-00336
▷Inkasan, *in* M-00340
▷Inkopax, *in* E-00035
▷Innovar, *in* F-00077
INO 502, *in* C-00183
▷Inobestin, *see* B-00138
▷Inocor, *see* A-00372
Inocoterone, I-00072
▷Inofal, *see* S-00222
▷Inofrex, *in* D-00561
▷Inolin, *in* T-00418
Inopamil, *see* I-00005
▷Inosie, *see* I-00073
▷Inosine, I-00073
▷Inosine pranobex, *in* I-00073
▷Inosiplex, *in* I-00073
Inositol, *see* I-00074
1,2,3,5/4,6-Inositol, *see* I-00074
i-Inositol, *see* I-00074
meso-Inositol, *see* I-00074
myo-Inositol, I-00074
▷Inositol niacinate, *in* I-00074
▷Inositol nicotinate, *in* I-00074
▷Inosulon, *see* S-00222
▷Inpea, *see* N-00111
▷Inproquone, I-00075
Insidal, *in* M-00035
▷Insidon, *in* O-00052
▷Insipidin, *in* V-00013
▷Insomnium, *see* T-00425
▷Insulin, I-00076
Insulin argine, I-00077
Insulin defalan, I-00078
▷Intal, *in* C-00565
Intazin, *see* P-00225
Integrin, *in* O-00157
▷Intensain, *in* C-00312
▷Intensatin, *in* C-00312
▷Interacton, *see* T-00175
Intercept, *see* N-00206
Intercyton, *in* D-00326
Interferon, I-00079
Interferon-α, *in* I-00079
Interferon-β, *in* I-00079
Interferon-γ, *in* I-00079
Interferon β2, *see* I-00085
Interferon Alfa, *in* I-00079
Interferon Alfa-2a USAN, *in* I-00079
Interferon Alfa-2b, *in* I-00079
Interferon Alfa-n3, *in* I-00079
Interferon Alfa-n1 USAN, *in* I-00079
Interferon Beta, *in* I-00079
Interferon Gamma, *in* I-00079
Interferon Gamma-1b, *in* I-00079
Interleukin-1, I-00080
Interleukin-2, I-00081
Interleukin-3, I-00082
Interleukin-4, I-00083
Interleukin-5, I-00084
Interleukin-6, I-00085
Interleukin 2 (human clone pTG853 protein moiety reduced), *in* I-00081
Intermedin, I-00086
▷Intermetin, *see* P-00066
▷Intestiazol, *see* P-00227
Intestin-Euvernil, *in* S-00241
Intol, *in* H-00044
Intracaine, *see* P-00034
▷Intradex, *see* D-00113
▷Intramin, *in* D-00359
▷Intranarcon, *in* T-00172
Intraxium, *see* P-00069
▷Intrazole, I-00087
Intriptyline, I-00088
Intriptyline hydrochloride, *in* I-00088
▷Intron, *in* D-00359
Intron-A, *in* I-00079
▷Intropin, *see* D-00579
▷Intropin, *in* D-00579
Inulin, I-00089
▷Inversal, *see* A-00166
▷Inversine, *in* M-00041
▷Invirus, *in* H-00088
▷Ioalphionic acid, *see* I-00100
Iobenguane, I-00090
▷Iobenzamic acid, I-00091
Iobutoic acid, I-00092
▷Iocarmate meglumine, *in* I-00093
▷Iocarmic acid, I-00093
▷Iocetamic acid, I-00094
▷Iodacil, *see* D-00287
▷Iodairal, *in* I-00101
▷Iodamide, I-00095
▷Iodamide meglumine, *in* I-00095
Iodecimol, *see* I-00096
Iodecol, I-00096
▷Iodeikon, *in* T-00142
▷Iodeosine *B*, *see* E-00118
Iodetryl, *in* D-00361
IODIDA, *see* G-00008
▷Iodinated glycerol, *see* I-00103
Iodipamide, I-00097
▷Iodipamide meglumine, *in* I-00097
Iodipine, I-00098
Iodixanol, I-00099
▷Iodoalphionic acid, I-00100
4-Iodoantipyrine, *see* D-00286
(2-Iodobenzoyl)aminoacetic acid, I-00101
N-(2-Iodobenzoyl)glycine, *see* I-00101
m-Iodobenzylguanidine, *see* I-00090
▷Iodobil, *see* I-00100
Iodocetilic acid, *see* I-00105
▷Iodochlorhydroxyquin, *see* C-00244
19-Iodocholest-5-en-3-ol, I-00102
19-Iodocholesterol, *see* I-00102
Iodocholesterol I 131, USAN, *in* I-00102
Iododesoxycytidine, *see* I-00001
3-Iodo-2,6-diethylphenylcarbamoylmethyliminodiacetic acid, *see* G-00008
4-Iodo-2,3-dimethyl-5-oxo-1-phenyl-Δ^3-pyrazoline, *see* D-00286
▷2-(1-Iodoethyl)-1,3-dioxolane-4-methanol, I-00103
▷Iodofenphos, I-00104
▷Iodoform, *see* T-00486
Iodogorgoic acid, *see* D-00365
16-Iodohexadecanoic acid, I-00105
▷Iodohippurate sodium, *in* I-00101
o-Iodohippuric acid, *see* I-00101

Iodomethamate, *see* I-00109
Iodomethanesulfonic acid, I-00106
▷2-(Iodomethyl)-1,3-dioxolane-4-methanol, I-00107
4-Iodo-α-methyl-*N*-(1-methylethyl)benzeneethanamine, *see* I-00110
▷Iodopanoic acid, *see* I-00125
6β-Iodopenicillanic acid, *in* A-00295
Iodophenazone, *see* D-00286
Iodophene, *see* T-00142
[(3-Iodophenyl)methyl]guanidine, *see* I-00090
▷Iodophthalein sodium, *in* T-00142
▷Iodopovidonum, *in* P-00393
5-[(3-Iodo-2-propynyl)oxy]-2-(methylthio)pyrimidine, *see* R-00059
▷3-Iodo-2-propynyl-2,4,5-trichlorophenyl ether, *see* H-00018
▷Iodopyracet, *in* D-00363
Iodopyrine, *see* D-00286
▷Iodoquinol, *see* D-00364
N'-[7-Iodo-4-quinolinyl]-*N*,*N*-dimethyl-1,3-propanediamine, *see* I-00122
▷Iodothiouracil, *see* D-00287
▷5-Iodo-2-thiouracil, *see* D-00287
3-Iodotyrosine, *see* A-00276
▷Iodoxamate meglumine, USAN, *in* I-00108
▷Iodoxamic acid, I-00108
Iodoxil, *in* D-00135
Iodoxyl, I-00109
Iodozol, *see* D-00358
▷Iofendylate, *see* I-00127
Iofetamine, I-00110
Iofetamine hydrochloride, *in* I-00110
Ioglicic acid, I-00111
Ioglucol, I-00112
▷Ioglucomide, I-00113
Ioglunide, I-00114
Ioglycamic acid, I-00115
Ioglycamide, *see* I-00115
Iogulamide, I-00116
Iohexol, I-00117
IOHP, *in* O-00080
Iolidonic acid, I-00118
▷Iolixanic acid, I-00119
▷Iomapidol, *see* I-00124
▷Iomeglamic acid, I-00120
Iomeprol, I-00121
Iomethin, I-00122
Iometin, *see* I-00122
Iomorinic acid, I-00123
Ionaze, *see* P-00493
▷Iopamidol, I-00124
▷Iopamiro, *see* I-00124
▷Iopanoic acid, I-00125
Iopentol, I-00126
▷Iophendylate, I-00127
▷Iophenoic acid, *see* I-00128
▷Iophenoxic acid, I-00128
▷Iopodic acid, I-00129
Ioprocemic acid, I-00130
Iopromide, I-00131
▷Iopronic acid, I-00132
Iopydol, *see* D-00353
▷Iopydone, *see* D-00362
▷Iosalide, *see* L-00033
Iosarcol, I-00133
▷Iosefamic acid, I-00134
Ioseric acid, I-00135
Iosimide, I-00136
Iosulamide, I-00137
Iosulamide meglumine, *in* I-00137
Iosumetic acid, I-00138
▷Iotalamic acid, *see* I-00140
Iotasul, I-00139
▷Iothalamic acid, I-00140
▷Iothiouracil sodium, *in* D-00287
Iotranic acid, I-00141
Iotriside, I-00142
Iotrizoic acid, I-00143
Iotrol, *see* I-00144
Iotrolan, I-00144
▷Iotroxamide, *see* I-00145
▷Iotroxic acid, I-00145
Iotyrosine, *see* A-00276
Ioversol, I-00146
Ioxabrolic acid, I-00147
Ioxaglate meglumine, *in* I-00148
Ioxaglate sodium, *in* I-00148
Ioxaglic acid, I-00148
Ioxilan, I-00149
Ioxitalamic acid, *in* D-00138
Ioxotrizoic acid, *in* D-00138
Iozomic acid, I-00150
Ipecine, *see* E-00036
Iperdiurin, *see* D-00136
▷Iperphos, *in* G-00060
Ipertensina, *in* A-00385
Ipertrofan, *in* P-00042
Ipexidine, I-00151
Ipexidine mesylate, *in* I-00151
▷IPG, *see* I-00103
▷Ipobar, *in* P-00059
▷Ipocol, *see* C-00307
▷Ipodaren, *in* B-00271
Ipodate calcium, *in* I-00129
▷Ipodate sodium, *in* I-00129
Ipolearoside, I-00152
Iposclerone, *see* C-00467
▷Ipotensil, *in* T-00337
Ipradol, *see* H-00068
Ipradol, *in* O-00053
Ipragratine, I-00153
Ipral (old form), *in* P-00443
Ipramidil, I-00154
Ipratropium(1+), I-00155
Ipratropium bromide, *in* I-00155
▷Iprazid, *see* I-00161
Iprazochrome, I-00156
Iprazone, *see* A-00287
Iprenazone, *see* I-00156
Ipriflavone, *in* H-00144
▷Iprindole, I-00157
▷Iproclozide, I-00158
Iprocrolol, I-00159
▷Iprocrolol hydrochloride, *in* I-00159
Iprofenin, I-00160
▷Iprogal 15, *see* I-00209
Iproheptine, *in* M-00257
▷Ipronal, *see* P-00546
▷Iproniazid, I-00161
▷Ipronid, *see* I-00161
▷Ipronidazole, *see* I-00209
▷Ipronin, *see* I-00161
Ipropethidine, *see* P-00498
▷Iproplatin, I-00162
▷Ipropran, *see* I-00209
Iprotiazem, I-00163
▷Iprox, *see* C-00521
Iproxamine, I-00164
Iproxamine hydrochloride, *in* I-00164
▷Iprozilamine, I-00165
Ipsalazide, I-00166
Ipsapirone, I-00167
▷Ipsatol, *see* B-00175
IPTD, *see* G-00078
IQB-M 81, *see* P-00269
IQB 837-v, *see* O-00128
Iquindamine, I-00168
Irabil, *see* D-00399
Irazepine, I-00169
▷Irenal, *see* P-00443
▷Irene, *in* D-00095
Irgamid, *see* S-00192

Irgasan *CF* 3, *see* C-00458
▷Irgasan DP 300, *see* T-00437
Irindalone, I-00170
Iristel, *see* A-00149
Irloxacin, I-00171
Irolapride, I-00172
▷Ironate, *see* F-00093
▷Iron chloride, *see* F-00087
Iron(2+) citrate, *see* F-00092
Iron heptonate, *see* G-00030
▷Iron sorbitex, *in* G-00054
▷Iron(2+) sulfate, *see* F-00094
Irri-Cor, *in* I-00042
Irrigor, *in* I-00042
Irritren, *in* L-00085
Irsium, *in* P-00357
Irsogladine, I-00173
IS 2596, *see* D-00575
▷IS 2596, *in* D-00575
IS 362, *in* S-00282
IS 499, *in* P-00378
▷IS 813, *see* M-00301
▷Isadrine, *see* I-00198
Isamfazone, I-00174
▷Isamid, *in* I-00199
Isamoltan, I-00175
Isamoxole, I-00176
Isaniryl, *see* C-00570
▷Isaropan, *in* A-00123
▷Isathrine, *in* R-00031
Isaxonine, *in* A-00325
Isbogrel, *in* P-00205
▷Isendryl, *see* I-00182
▷Isepamicin, *in* G-00017
▷ISF 2001, *see* T-00540
ISF 2073, *in* D-00111
ISF 2123, *see* P-00251
ISF 2522, *in* H-00188
▷Isilung, *in* E-00091
▷Isindone, *see* I-00068
▷Ismelin, *in* G-00102
Ismotic, *see* D-00144
▷Isoadanone, *see* I-00193
Isoadrenaline, *see* A-00249
3-Isoajmalicine, *in* A-00087
▷Isoamidone I, *see* D-00407
▷Isoamidone II, *see* I-00193
Isoaminile, I-00177
2-Isoamylamino-6-methylheptane, *see* O-00013
▷Isoamylhydrocupreine, *see* E-00276
Isoaristolochic acid, *see* M-00200
Isobaimonidine, *in* V-00024
▷Isobebeerine, *see* I-00182
Isobide, *see* D-00144
6-Isobornyl-3,4-xylenol, *see* X-00013
▷Isobromindione, I-00178
Isobucaine, I-00179
▷Isobucaine hydrochloride, *in* I-00179
▷Isobutoform, *in* A-00216
1-(Isobutoxymethyl)-2-(4-methyl-1-piperazinyl)ethyl 2-phenylbutyrate, *see* F-00048
4-Isobutoxy-4′-(2-pyridyl)thiocarbanilide, *see* T-00197
2-(Isobutylamino)ethanol *m*-aminobenzoate, *see* M-00143
2-Isobutylaminoethyl *p*-aminobenzoate, *see* M-00299
2-Isobutylamino-2-methyl-1-propanol benzoate, *see* I-00179
▷Isobutylcaine, *in* A-00216
Isobutyl 2-cyanoacrylate, *see* M-00300
Isobutyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, *see* P-00312
p-Isobutylhydratropic acid, *see* I-00008
p-Isobutylhydratropohydroxamic acid, *see* I-00009
Isobutylhydrochlorothiazide, *see* B-00401
Isobutyl methyl ether, *see* M-00204
Isobutylphenazone methanesulfonate sodium, *in* D-00170
▷(*p*-Isobutylphenyl)acetic acid, *see* I-00007
▷2-(*p*-Isobutylphenyl)butyric acid, *see* B-00402
2-(4-Isobutylphenyl)propionic acid, *see* I-00008
▷*N*-(5-Isobutyl-1,3,4-thiadiazol-2-yl)-4-methoxybenzenesulfonamide, *see* I-00180
2-Isobutyryl-14-hydroxyhetisine, *in* H-00136
3-Isobutyryl-2-isopropylpyrazolo[1,5-*a*]pyridine, *see* I-00006
▷Isobuzole, I-00180
Isocaine, *see* P-00292
(−)-Isocamphoric acid, *in* T-00508
(+)-Isocamphoric acid, *in* T-00508
Isocaramidine, *see* D-00033
▷Isocarboxazid, I-00181
Isocephaeline, *in* C-00172
▷Isochinol, *in* D-00392
▷Isochondodendrine, I-00182
Isoclavulanic acid, *in* C-00410
Isoconazole, I-00183
▷Isoconazole nitrate, JAN, *in* I-00183
Isocromil, I-00184
▷Isoctaminium, *see* M-00257
1-Isocyano-2-methoxy-2-methylpropane, *see* M-00205
▷Isocycloheximide, *in* D-00441
Isocysteine, *see* A-00278
▷Isodanon, *see* I-00193
Isodapamide, *see* Z-00011
▷Isodendril, *see* I-00182
▷Isodiane, *see* M-00146
Isodihydroperparinium, *see* D-00611
▷Isodilan, *see* I-00007
▷Isodinoestrol, *in* D-00223
▷Isoendoxan, *see* I-00021
▷Isoephedrine, *in* M-00221
D-Isoephedrine sulfate, JAN, *in* M-00221
Isoestrone, *in* O-00031
Isoetam, *in* E-00148
Isoetarine, *see* I-00185
▷Isoethadione, *see* P-00024
Isoetharine, I-00185
Isoetharine hydrochloride, *in* I-00185
Isoetharine mesylate, USAN, *in* I-00185
Isoetretin, *in* A-00041
Isoeuxanthone, *see* D-00357
Isofebrifugine, I-00186
Isofedrol, *in* M-00221
▷Isofenefrine, *see* M-00151
▷Isofezolac, *see* T-00527
▷Isoflav, *see* D-00120
Isofloxythepin, I-00187
Isoflupredone, I-00188
▷Isoflupredone acetate, *in* I-00188
▷Isoflurane, *see* C-00231
▷Isoflurophate, *see* D-00368
▷Isogranatanine, *see* A-00491
▷Isogyn, *in* I-00183
4-Isohexyl-1-methylcyclohexanecarboxylic acid, *see* M-00268
Isohydrastidine, *in* H-00095
Isoiloprost, *in* I-00023
Isoimperatorin, I-00189
5-L-Isoleucineangiotensin I, *in* A-00385
5-L-Isoleucineangiotensin II, *in* A-00385
1-L-Isoleucinegramicidin *A*, *in* G-00084
Isoleurosine, *in* L-00036
Isolevin, *in* I-00198
Isomazole, I-00190
Isomazole hydrochloride, *in* I-00190
(+)-Isomenthol, *in* I-00208
(−)-Isomenthol, *in* I-00208
(±)-Isomenthol, *in* I-00208
▷Isomeprobamate, *see* C-00078
Isomer *A*, *in* B-00175
Isomer *B*, *in* B-00175
Isometamidium(1+), I-00191
Isometamidium chloride, *in* I-00191
▷Isometene, *in* M-00256
▷Isometh, *in* M-00256

Isomethadol, I-00192
▷Isomethadone, I-00193
▷Isometheptene, *in* M-00256
Isomilamine, *see* I-00194
Isomist, *in* I-00198
▷Isomyl, *in* M-00256
Isomylamine, I-00194
▷Isonal, *see* A-00430
▷Isonate sodium, *in* I-00195
▷Isoniazid, I-00195
Isoniazid methanesulfonate, *in* I-00195
Isonicophen, *see* A-00046
Isonicotinic acid 2-butenylidenehydrazide, *see* C-00570
Isonicotinic acid [*o*-(carboxymethoxy)benzylidene]hydrazide, *see* A-00046
Isonicotinic acid 2,2′-methylenedihydrazide, *see* M-00154
Isonicotinic acid vanillylidenehydrazide, *see* F-00269
▷Isonicotinohydrazide, *see* I-00195
▷N^1-Isonicotinoyl-N^2-isopropylhydrazine, *see* I-00161
N-Isonicotinoyl-*N*′-salicylidenehydrazine, *see* S-00016
N-Isonicotinoyl-*N*′-veratrylidenehydrazine, *see* V-00020
▷Isonipecaine, *see* P-00131
Isonitrarine, *in* N-00168
▷Isonitrosoacetone, *in* P-00600
▷Isonix-AA, *see* I-00196
▷Isonixin, I-00196
Isonovobiocin, *in* N-00228
Isooctenylamine, *see* M-00256
Isooestrone, *in* O-00031
Isopaque, *in* D-00138
Isopedine, *see* P-00498
Isopenicillin N, *in* P-00066
7-Isopentenyloxycoumarin, *in* H-00114
N-Isopentyl-1,4-benzodioxan-2-methylamine, *see* P-00088
N-Isopentyl-1,5-dimethylhexylamine, *see* O-00013
▷$O^{6'}$-Isopentylhydrocupreine, *see* E-00276
▷Isopentyl nitrite, *see* M-00237
2-[(Isopentyloxy)-1-morpholinomethyl]ethyl 3,4,5-trimethoxybenzoate, *see* A-00357
1-[β-(Isopentyloxy)phenethyl]pyrrolidine, *see* A-00350
▷Isophenethanol, *see* N-00111
▷Isophosphamide, *see* I-00021
▷Isopirina, *see* R-00007
▷Isopolamidon, *see* I-00193
Isoprazone, *see* A-00287
Isoprednidene, I-00197
Isopredon, *in* F-00208
Isopredon soluble, *in* F-00208
▷Isopregnenone, *see* D-00624
▷Isoprenaline, I-00198
▷Isoprinosine, *in* I-00073
Isoprofen, *see* I-00207
▷Isopropamide(1+), I-00199
▷Isopropamide iodide, *in* I-00199
▷Isopropanol, *see* P-00491
▷Isopropanolamine, *see* A-00318
Isoprophenamine, *see* C-00502
Isopropicillin, I-00200
2-Isopropoxyacetophenone, *in* H-00107
[β-(4-Isopropoxycarboxythymoxy)ethyl]dimethylamine, *see* I-00164
1-[4-(2-Isopropoxyethoxymethyl)phenoxy]-3-isopropylamino-2-propanol, *see* B-00233
2′-Isopropoxyflavone-6-carboxylic acid, *see* I-00184
7-Isopropoxyisoflavone, *in* H-00144
7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, I-00201
p-Isopropoxy-*N*-sulfanilylbenzamide, *see* S-00251
▷Isopropydrin, *see* I-00198
▷Isopropyl alcohol, *see* P-00491
1-Isopropylamine-3[4-(*p*-methoxybenzamide)phenoxy]-2-propanol, *see* R-00083
▷4-(Isopropylamino)-2,3-dimethyl-1-phenyl-3-pyrazolin-5-one, *see* R-00007
1-(Isopropylamino)-4,4-diphenyl-2-butanol, *see* D-00603
▷2-Isopropylaminoethanol, *in* A-00253
1-(Isopropylamino)-3-(1,4-ethano-1,2,3,4-tetrahydro-5-naphthyloxy)-2-propanol, I-00202
1-Isopropylamino-3-[*p*-(β-methoxycarbonylamidoethyl)-phenoxy]propan-2-ol, *see* P-00008
▷1-(Isopropylamino)-3-[*p*-(2-methoxyethyl)-phenoxy]-2-propanol, *see* M-00334
1-(Isopropylamino)-3-(*o*-methoxyphenoxy)-2-propanol, *see* M-00435
1-(Isopropylamino)-3-(2-methyl-4-indolyloxy)-2-propanol, *see* M-00097
▷α-(Isopropylamino)methyl-2-naphthalenemethanol, *see* P-00483
▷α-[(Isopropylamino)methyl]-*p*-nitrobenzyl alcohol, *see* N-00111
▷α-(Isopropylaminomethyl)protocatechyl alcohol, *see* I-00198
1-(Isopropylamino)-3-[*o*-(methylthio)phenoxy]-2-propanol, *see* T-00315
α-[(Isopropylamino)methyl]vanillyl alcohol, *see* M-00323
▷2-Isopropylamino-1-(2-naphthyl)ethanol, *see* P-00483
▷1-Isopropylamino-3-(1-naphthyloxy)-2-propanol, *see* P-00514
1-(Isopropylamino)-3-(*o*-2-norbornylphenoxy)-2-propanol, *see* B-00256
8-(5-Isopropylaminopentylamino)-6-methoxyquinoline, *see* P-00092
▷Isopropylaminophenazone, *see* R-00007
α-(1-Isopropylaminopropyl)protocatechuyl alcohol, *see* I-00185
1-[3-(Isopropylamino)propyl]-3-(2,6-xylyl)urea, *see* R-00019
2-(Isopropylamino)pyrimidine, *in* A-00325
▷1-(Isopropylamino)-3-(*m*-tolyloxy)-2-propanol, *see* T-00352
▷4-Isopropylantipyrine, *see* P-00519
▷Isopropyl benzoate, *in* B-00092
2-Isopropyl-3-benzofuranyl 4-pyridyl ketone, *see* I-00071
α-(α-Isopropylbenzyl)-1-piperidinepropanol, *see* P-00295
Isopropyl 4-[3-(*tert*-butylamino)-2-hydroxypropoxy]indole-2-carboxylate, *see* C-00096
▷*N*-4-Isopropylcarbamoylbenzyl-*N*′-methylhydrazine, *see* P-00448
α-Isopropylcyclohexanemethanol, *see* C-00618
▷α-Isopropyl-α-[2-(dimethylamino)ethyl]-1-naphthaleneacetamide, *see* N-00027
2-Isopropyl-4,8-dimethylazulene, I-00203
▷7-Isopropyl-1,4-dimethylazulene, I-00204
5-Isopropyl-3,8-dimethyl-1-azulenesulfonic acid, I-00205
▷4-Isopropyl-2,3-dimethyl-1-phenyl-5-pyrazolone, *see* P-00519
N-Isopropyl-1,3-dioxo-2-isoindoleethanesulfonamide, *see* T-00018
1-Isopropyl-4,4-diphenylpiperidine, I-00206
▷Isopropylethanolamine, *in* A-00253
9-Isopropylgranatoline tropate, *see* I-00153
2′,3′-*O*-Isopropylideneadenosine, *in* A-00067
▷2,3-Isopropylidenedioxyphenyl methylcarbamate, *see* B-00046
1,2-*O*-Isopropylidene-α-D-glucuronamide, *in* G-00058
5,6-*O*-Isopropylidene-L-*threo*-hex-2-enono-1,4-lactone, *in* A-00456
2,3-*O*-Isopropylidene-D-threitol, *in* T-00219
2,3-*O*-Isopropylidene-L-threitol, *in* T-00219
1-Isopropyl-2-imidazolidinethione, *see* M-00392
2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
2-Isopropylindol-3-yl 3-pyridyl ketone, *see* N-00107
N-Isopropyl-*p*-iodoamphetamine, *see* I-00110
▷Isopropyl meprobamate, *see* C-00078
Isopropyl 2-methoxyethyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, *see* N-00149
Isopropyl 11-methoxy-3,7,11-trimethyldodeca-2,4-dienoate, *see* M-00189
5-Isopropyl 3-methyl 2-cyano-1,4-dihydro-6-methyl-4-(*m*-nitrophenyl)-3,5-pyridinedicarboxylate, *see* N-00144
▷2-Isopropyl-5-methylcyclohexanol, I-00208
▷*N*-Isopropyl-α-(2-methylhydrazino)-*p*-toluamide, *see* P-00448
2-Isopropyl-α-methyl-5-indanacetic acid, *see* I-00207
4-Isopropyl-2-methyl-3-[[methyl(α-methylphenethyl)amino]-methyl]-1-phenyl-3-pyrazolin-5-one, *see* F-00016

▷2-Isopropyl-1-methyl-5-nitroimidazole, I-00209
▷1-Isopropyl-7-methyl-4-phenyl-2(1*H*)-quinazolinone, *see* P-00522
▷*N*-Isopropyl-2-methyl-2-propyl-1,3-propanediol dicarbamate, *see* C-00078
▷2-Isopropyl-6-methyl-4-pyrimidyl phosphorothioic acid *O,O'*-diethyl ester, *see* D-00149
2-Isopropyl-4-methyl-2-[*o*-[4-[4-(3,4,5-trimethoxyphenethyl)-1-piperazinyl]butoxy]phenyl]-2*H*-1,4-benzothiazin-3(4*H*)-one, *see* I-00163
N-Isopropylnoradrenochrome monosemicarbazone, *see* I-00156
▷Isopropylnorepinephrine, *see* I-00198
Isopropyl 2,3,4,5,6-penta-*O*-acetyl-D-gluconate, *in* G-00055
▷Isopropylphenazone, *see* P-00519
2-(2-Isopropylphenoxymethyl)-2-imidazoline, *see* F-00066
Isopropyl phenyl ether, *in* P-00161
10-[(4-Isopropyl-1-piperazinyl)carbonyl]phenothiazine, *see* S-00101
▷*N*-Isopropylsalicylamide, *see* H-00145
N'-(5-Isopropyl-1,3,4-thiadiazol-2-yl)sulfanilamide, *see* G-00078
1-(4-Isopropylthiophenyl)-2-(4-cinnamoylpiperazine-1-yl)-1-propanol, *see* S-00270
1-[4-(Isopropylthio)phenyl]-2-octylamino-1-propanol, *see* S-00231
1-Isopropyl-3-(4-*m*-toluidinopyridine-3-sulfonyl)urea, *see* T-00386
▷4-Isopropyl-2-(α,α,α-trifluoro-*m*-tolyl)morpholine, *see* O-00076
N-Isopropyl-4-(3,4,5-trimethoxycinnamoyl)-1-piperazineacetamide, *see* C-00382
8-Isopropyl-3-tropoyloxytropanium(1+), *see* I-00155
▷Isoproterenol, *see* I-00198
▷Isoproterenol hydrochloride, *in* I-00198
Isoproterenol sulfate, *in* I-00198
▷Isoptin, *see* V-00019
Isoptin, *in* V-00019
▷Isopto Homatropine, *in* H-00082
Isopulsan, *in* M-00381
▷Isopyrin, *see* R-00007
Isopyrocalciferol, *in* E-00105
▷Isoquinazepon, *see* C-00411
▷Isoquinoline, I-00210
Isorengyol, *in* H-00131
Isorgen *G*, *see* D-00144
Isorhodeosamine, *see* A-00240
▷Isosorbide dinitrate, *in* D-00144
Isosorbide, *see* D-00144
Isosorbide mononitrate, *in* D-00144
Isospaglumic acid, I-00211
Isosparsomycin, *in* S-00109
▷Isospiriline, *see* S-00121
17-Isostrophanthidin, *in* T-00478
Isosulfamerazine, *see* S-00206
Isosulfan Blue, I-00212
Isosulpride, I-00213
Isotazettine, *see* P-00425
▷Isotense, *see* S-00287
▷Isothan Q5, *in* I-00210
▷Isothazone, *see* E-00160
▷Isothiazine, *see* E-00160
▷Isothiocyanatomethylbenzene, *see* B-00122
1-Isothiocyanato-4-(4-nitrophenoxy)benzene, *see* N-00186
▷4-Isothiocyanato-*N*-(4-nitrophenyl)benzenamine, *see* N-00180
Isothiocyanic acid *p*-(*p*-nitrophenoxy) phenyl ester, *see* N-00186
▷Isothiocyanic acid *p*-phenylene ester, *see* D-00369
Isothiocyanic acid sulfonyldi-*p*-phenylene ester, *see* S-00221
▷Isothipendyl, I-00214
Isotiquimide, *see* T-00128
▷Isotonil, *in* D-00387
▷Isotretinoin, *in* R-00033
▷Isoval, *see* B-00307
Isovanillin, *in* D-00311
Isoverazide, *see* V-00020
Isoverticine, *in* V-00024
Isovin, *see* F-00269
▷Isovue, *see* I-00124
Isoxaprolol, I-00215
▷Isoxazol, *see* A-00511
▷Isoxepac, I-00216
Isoxicam, I-00217
▷Isoxsuprine, I-00218
▷Isoxsuprine hydrochloride, *in* I-00218
Isoxyl, *see* T-00198
Isradipine, I-00219
Isrodipine, *see* I-00219
▷Isteropac, *in* I-00095
▷Isteropac E.R., *see* I-00095
▷Istizin, *see* D-00308
▷Istonil, *in* D-00387
▷ITA-104, *see* P-00369
ITA 226, *see* P-00577
▷ITA 275, *see* P-00420
ITA-312, *see* C-00268
Itacortone, *in* P-00413
▷Italquina, *in* A-00332
▷Itamycin, *see* R-00030
Itanoxone, I-00220
Itazigrel, I-00221
Itazogrel, *see* I-00221
ITF 182, *in* H-00112
▷ITG, *see* T-00178
Itir, *see* D-00365
▷Itobarbital, *see* B-00386
Itraconazole, I-00222
Itramin, *see* A-00254
Itramin tosylate, *in* A-00254
Itridal, *in* C-00596
Itrocainide, I-00223
Itrop, *in* I-00155
▷Itrumil, *see* D-00287
Ivacin, *see* P-00283
Ivarimod, I-00224
▷Ivermectin, I-00225
Ivermectin B_{1a}, *in* I-00225
Ivermectin B_{1b}, *in* I-00225
▷Iversal, *see* A-00166
▷Ivertol, *see* A-00166
▷Ivomec, *see* I-00225
▷Ivomycin, *see* B-00258
Ivoqualine, *see* V-00053
▷Ixoten, *see* T-00469
▷Ixprim, *in* B-00168
IZ 914, *in* D-00588
Izoetam, *in* E-00148
J 96, *in* E-00231
Jabodine, *in* H-00058
Jadit, *see* B-00340
▷Jalovis, *see* H-00092
▷Jaluran, *see* H-00092
Jamaine, *in* D-00140
Jaritin, *see* R-00059
Jatropham, J-00001
Jatrophone, J-00002
▷Jatropur, *see* T-00420
JAV 852, *in* B-00051
JB 2, *see* G-00024
JB 11, *see* T-00514
▷JB 305, *see* P-00290
▷JB 8181, *in* D-00095
JB 840, *see* P-00497
▷91 JD, *see* E-00042
JD 96, *see* V-00046
JDL 38, *see* T-00459
JDL 464, *see* T-00386
JDL 862, *in* T-00386
▷Jectofer, *in* G-00054
Jefron, *see* P-00383

▷Jephamethoxine, *see* M-00194
JF 1, *see* N-00030
J55G1, *in* C-00081
▷Jilkon, *in* G-00002
JL 1074, *in* T-00212
▷JL 1078, *in* D-00276
JL 130, *in* E-00193
▷JL 512, *see* H-00192
▷J.L. 991, *see* E-00188
JL 11698, *see* A-00320
JL 14843, *see* P-00431
▷JM 8, *see* C-00061
▷JM 9, *see* I-00162
JO 1016, *in* D-00328
Jodetrylum, *in* D-00361
▷Jodpolyvinylpyrrolidon, *in* P-00393
Joint, *in* H-00210
▷Jomybel, *see* L-00033
Jonctum, *in* H-00210
▷Jonit, *see* D-00369
JOP, *see* R-00059
Jopargin, *see* R-00059
▷Josacine, *see* L-00033
▷Josalid, *see* L-00033
Josamy, *in* L-00033
▷Josamycin, *see* L-00033
Josamycin propionate, *in* L-00033
▷Josaxin, *see* L-00033
▷Joscina, *see* S-00031
Jovanyl, *in* C-00289
JP 61, *see* A-00063
JP 711, *see* P-00307
JP 992, *in* B-00050
▷JR 6218, *see* F-00223
▷Jubalon, *in* C-00053
▷Judojor, *see* F-00299
▷Juglone, *see* H-00179
▷Julodin, *see* E-00126
▷Jumex, *in* D-00449
▷Jusotal, *in* S-00106
▷Justecaina, *see* T-00492
Justelmin, *in* P-00285
Juvacneine, *see* T-00214
▷Juvenimicin A_3, *see* R-00092
▷K 31, *see* N-00100
▷K 1039, *see* A-00080
K 1902, *see* T-00400
K 2004, *see* T-00003
K-2154, *in* B-00157
K-247, *in* X-00025
▷K 2680, *see* E-00258
K-281, *see* I-00061
K 308, *see* M-00287
K 351, *see* N-00154
▷K 364, *see* S-00017
K 374, *see* C-00488
▷K-386, *see* G-00071
▷K 3920, *see* I-00060
K 430, *see* E-00247
K 4423, *in* I-00202
▷K 4710, *see* K-00014
K-509, *see* E-00048
K 5407, *see* N-00015
▷K 708, *see* A-00013
▷K 9147, *see* T-00346
▷K 9321, *in* M-00302
1K 640, *in* M-00003
▷K 10033, *see* B-00423
K 30052, *in* A-00272
▷K 74 8364*A*, *see* S-00017
KABI 1774, *in* H-00056
▷KABI 925, *see* E-00042
▷Kabikinase, *see* S-00160
▷Kafocin, *see* C-00174
▷Kainic acid, K-00001
▷α-Kaininic acid, *see* K-00001
Kairoline, *see* T-00127
Kairoline *A*, *see* E-00223
Kalafungin, K-00002
Kalamycin, *in* K-00002
▷Kalen, *in* M-00351
Kalfer, *see* F-00089
Kalgul, *see* D-00074
Kallidin, *in* B-00264
▷Kallidin I, *in* B-00264
Kallidin II, *in* B-00264
Kallidinogenase, *see* K-00003
Kallidins, *see* B-00264
Kallikrein, K-00003
Kalmobex, *see* D-00610
▷Kalymin, *in* P-00578
▷Kanamycin *A*, K-00004
▷Kanamycin *B*, K-00005
▷Kanchanomycin, *see* A-00100
▷Kanendomycin, *see* K-00005
▷Kanone, *see* M-00271
Kantec, *see* M-00016
▷KAO-264, *in* M-00028
▷Kaochlor, *see* P-00391
▷Kaoxidin, *see* S-00172
Kapathrom, *in* D-00333
▷Kapilin, *in* D-00333
Kapilon soluble, *in* M-00087
▷Kappadione, *in* D-00333
▷Kappaxan, *in* D-00333
▷Kappaxin, *see* M-00271
▷Karan, *in* D-00333
▷Karantonin, *in* G-00002
▷Karanum, *in* D-00333
▷Karbidine, *in* D-00175
Karbinone, *see* N-00022
▷Kardiamed, *in* D-00275
▷Kardin, *in* T-00538
▷Karion, *see* P-00288
Karminazon, *in* C-00081
Karsivan, *see* P-00495
Kasdenol, *in* O-00148
Kasucol, *in* H-00147
▷KAT 256, *in* C-00438
Katadolon, *see* F-00204
▷Katasamycin, *in* L-00032
Kavitan, *in* M-00271
Kavitrat, *in* A-00285
▷Kay Ciel, *see* P-00391
Kayhydrin, *in* P-00228
▷Kayquinone, *see* M-00271
▷Kaytwo, *see* M-00088
Kayvisyn, *in* A-00285
▷Kayvite, *in* D-00333
KB 95, *see* B-00100
KB 1043, *see* E-00221
KB 2413, *in* E-00166
▷KB 509, *see* F-00231
KB 944, *see* F-00259
KBT 1585, *in* L-00022
KC-046, *see* T-00074
KC 2450, *in* T-00122
KC 3791, *in* E-00093
KC 404, *see* I-00006
KC 5103, *see* T-00265
KC 7507, *in* T-00283
▷KC 9147, *see* T-00346
KCT, *in* M-00202
KD 136, *in* H-00015
KD 868, *in* M-00001
KD 983, *in* D-00513
K 21060 E, *in* D-00607
▷Kebal II, *see* A-00455
Kebiding, *see* P-00480
▷Kebuzone, K-00006
▷Kedacillin, *in* S-00181
▷Kefglicin, *see* C-00174

▷Kefglycin, *see* C-00174
▷Keflin, *in* C-00178
▷Kefolor, *see* C-00109
▷Kefral, *see* C-00109
▷Kefzol, *in* C-00120
▷Keiperazon, *in* C-00121
Keithon, *see* C-00452
Kelatorphan, K-00007
Kelevitol, *see* C-00030
Kelfer, *see* F-00089
▷Kelfizine, *see* S-00198
Kelletinin I, *in* E-00114
Kellidrina, *see* A-00197
Kello Fylline, *in* M-00202
Kelnac, *in* P-00373
Kelnal, *in* P-00373
Kelox, *see* T-00137
Kemadren, *in* P-00455
Kemadrin, *in* P-00455
▷Kemicetine, *see* C-00195
▷Kemithal, *in* T-00172
▷Kenacort, *see* T-00419
▷Kenalog, *in* T-00419
Kenazepine, K-00008
Kendall's compound *A*, *see* H-00204
▷Kendall's compound *B*, *see* C-00546
▷Kendall's compound *E*, *see* C-00549
▷Kendall's compound *F*, *see* C-00548
▷Kendall's desoxy compound *B*, *see* H-00203
Keoxifen, *see* R-00005
▷Kephrine, *see* A-00076
▷Keptan, *in* T-00558
Keracyanin, K-00009
Keratyl, *in* H-00185
▷Kerecid, *see* D-00081
▷Kerlactine, *see* H-00207
▷Kerlone, *in* B-00142
▷Kertasin, *in* A-00272
Kessar, *see* T-00023
▷Kestoben, *see* B-00194
Ketamine, *see* C-00266
▷Ketamine hydrochloride, *in* C-00266
Ketanserin, K-00010
Ketazocine, K-00011
Ketazolam, K-00012
▷Ketazone, *see* K-00006
▷Kethamed, *see* A-00306
▷Kethoxal, *in* E-00168
Ketimipramine, *see* K-00013
Ketipramine, K-00013
Ketipramine fumarate, USAN, *in* K-00013
▷Ketobemidone, K-00014
▷Ketocaine, *in* K-00015
▷Ketocainol, K-00015
▷Ketochol, *see* D-00049
▷Ketoconazole, K-00016
Ketocyclazocine, *see* K-00011
▷Ketogaze, *see* A-00076
▷Ketogestin, *see* P-00417
Ketohexazine, *see* D-00450
Ketoimipramine, *see* K-00013
▷Ketophenylbutazone, *see* K-00006
▷Ketoprofen, K-00017
▷11-Ketoprogesterone, *see* P-00417
Ketorfanol, K-00018
Ketorolac, K-00019
Ketorolac trometamol, *in* K-00019
Ketorolac tromethamine, *in* K-00019
▷Ketoscilium, *in* F-00081
Ketotifen, K-00020
▷Ketotifen fumarate, JAN, *in* K-00020
Ketotrexate, K-00021
Ketotrexate sodium, *in* K-00021
▷17-Ketovis, *in* H-00110
▷Ketoxal, *in* E-00168
▷Ketrax, *in* T-00151
Kevopril, *see* Q-00036
K-F 224, *see* N-00026
KG 2245, *see* H-00081
KG 2413, *in* E-00165
▷Khellin, K-00022
▷Khellinin, *in* K-00023
Khellol, K-00023
▷Khelloside, *in* K-00023
Khimkoktsid, *in* R-00069
▷Khinocyde, *see* Q-00029
▷Khloksil, *see* H-00041
▷Khloratsizin, *see* C-00192
Khlorozil, *in* C-00632
▷KI 2119, *in* D-00370
Kidon, *in* M-00115
▷Kidrolase, *see* A-00458
Killifolin, *see* Q-00007
▷Killvermyl, *see* B-00306
▷Kilmicen, *see* T-00346
▷Kinaden, *see* H-00092
▷Kinalysin, *see* S-00160
▷Kinesed, *in* S-00031
Kinesed, *in* T-00554
▷Kinesed, *in* T-00554
▷Kinetin, *see* H-00092
▷Kinetrast, *see* I-00091
Kinevac, *see* S-00077
▷Kinkaine, *in* I-00179
Kinupril, *see* Q-00036
▷Kirromycin, *see* M-00413
▷Kitamycin, *in* L-00032
▷Kitasamycin, *in* L-00032
Kitasamycin, BAN, INN, USAN, *in* L-00034
Kitnos, *see* E-00247
Kitnosil, *see* E-00247
▷KJ 101, *in* C-00600
▷KL-255, *in* B-00369
▷KL 373, *see* B-00175
▷Klamar, *see* G-00092
Klimadoral, *in* O-00030
▷Klindamycin, *see* C-00428
▷Klinicin, *see* C-00428
Klinium, *see* L-00045
Klintab, *see* L-00045
Klorex, *see* C-00495
▷Klorindion, *see* C-00264
▷Klot, *in* T-00359
▷Klotrix, *in* P-00391
▷Klyx, *in* B-00210
▷KM 65, *see* B-00094
KM 1146, *see* M-00359
KM 2210, *in* O-00028
KM 4927, *see* H-00081
▷KO 1366, *see* B-00364
Kö 1393, *in* P-00070
Kö 1400, *see* P-00036
Ko 592, *in* T-00352
▷Kodein, *see* C-00525
▷Kodocytochalasin 1, *see* C-00664
▷Kodocytochalasin 2, *in* C-00664
▷Kokozigal *S*, *in* A-00332
▷Kol, *see* P-00194
▷Kolkamin, *see* D-00062
Kollateral, *in* M-00461
▷Kollidon, *see* P-00393
▷Kolpicid, *see* O-00058
▷Kolpicortin-sine, *see* C-00261
▷Kolton, *in* D-00514
▷Koluopthisin, *see* V-00050
▷Kolyum, *in* P-00391
▷Komed, *in* S-00091
▷Komerian, *in* D-00370
Kompensan, *see* D-00307
Kopetin, *in* H-00114
Kor 12-CL, *see* I-00153
▷Korglykon, *in* T-00478

▷Korlan, *see* F-00039
Koryfort, *see* M-00090
▷Kosmium, *in* P-00430
▷Kosmovermil, *see* T-00106
▷KPB, *see* K-00006
▷Kr 339, *see* B-00255
Kritel, *in* B-00234
Kryobulin, *see* F-00003
▷Kryogenin, *see* P-00207
▷KS 33, *see* O-00164
KS 1596, *in* D-00588
Ksidifon, *see* H-00132
▷KSW 788, *in* C-00451
KU 54, *in* A-00314
▷Kumafos, *see* C-00555
Kurrine (obsol.), *see* M-00018
▷Kutkasin, *see* M-00430
Kvateleron, *in* B-00420
K-Vitrat, *in* A-00285
▷KW 1062, *in* G-00018
▷KW 1070, *see* F-00252
▷KW 110, *in* A-00012
KW 1100, *see* B-00004
▷KW 125, *see* A-00080
KW 3049, *in* B-00054
KW 4354, *see* O-00094
KWD 2058, *in* T-00084
KWD 2085, *in* T-00084
KWD 2183, *in* T-00084
▷Kwell, *in* H-00038
▷Kwietal, *see* B-00291
▷Ky 18, *in* D-00319
KY 087, *see* C-00122
KY 109, *in* C-00122
Kybernin, *see* A-00417
Kymarabine, *see* F-00020
▷Kynex, *see* S-00246
▷Kyocristine, *see* V-00037
▷Kyorin AP 2, *see* S-00073
Kyormon, *in* H-00202
Kytta-Gel, *in* H-00112
▷Kyurinett, *in* T-00497
L 104, *in* C-00479
L 105, *see* C-00162
L 105, *see* R-00049
L 1102, *see* H-00115
▷L 1591, *see* B-00188
▷L 1717, *in* P-00267
▷L-1718, *see* O-00066
L 1777, *see* M-00054
▷L 2103, *see* H-00061
▷L 2197, *see* B-00071
▷L 2214, *see* B-00072
L 2909, *see* P-00503
L 542, *see* B-00429
▷L 5418, *see* P-00222
▷L 5458, *see* D-00046
L-554, *see* T-00541
L566, *see* M-00244
L 5818, *see* C-00556
L 5818, *in* C-00556
L 6150, *in* O-00100
L 6257, *in* O-00107
▷L 6400, *see* F-00131
L 7035, *see* I-00071
▷L 749, *see* A-00033
L7810, *in* C-00324
L 8027, *see* N-00107
L 8109, *see* T-00239
L 9308, *in* Z-00010
L 9394, *in* B-00415
▷L 02040, *in* A-00232
▷L 11204, *see* E-00169
L 11809, *see* A-00287
L 12181, *see* P-00418
L 12507, *see* T-00056
▷L-154803, *see* M-00348
L-154826, *see* L-00057
L 16726, *in* S-00284
▷L 280401, *see* D-00231
L 29275, *see* C-00031
▷L 33355, *see* M-00138
▷L 33379, *see* F-00215
▷L 33876, *see* H-00075
▷L 35483, *see* C-00639
L 363586, *see* C-00592
▷L 37231, *see* V-00037
L 38000, *see* C-00469
L 588357, *in* A-00273
L 631529, *see* C-00503
L 634366, *see* D-00428
L 640876, *see* A-00407
L 647339, *in* N-00053
LA 012, *see* Q-00003
LA 1211, *see* I-00042
▷LA 1221, *in* B-00385
LA 2851, *see* D-00008
▷LA 7017, *see* M-00397
La 271a, *in* B-00234
LAAM, *in* M-00162
Labazyl (new form), *see* P-00503
▷Labazyl (old), *see* A-00033
▷Labetalol, L-00001
(*R*,*R*)-Labetalol hydrochloride, *in* L-00001
Labile factor, *see* F-00001
▷Labitan, *in* D-00370
Labophylline, *in* T-00169
▷Labosept, *in* D-00088
Labotropin, *see* D-00410
▷Labrodax, *see* T-00479
▷LAC 43, *see* B-00368
▷Lacalmin, *see* S-00125
▷Lachesine(1+), L-00002
▷Lachesine chloride, *in* L-00002
Lacidipine, *in* D-00430
Lactalfate, L-00003
β-Lactamase, *see* P-00067
▷Lactamine, *in* P-00423
▷Lactase, *see* T-00271
▷Lactenocin, *in* T-00578
▷Lactic acid, *see* H-00207
▷Lactoflavine, *see* R-00038
▷Lactoflavin phosphate, *in* R-00038
▷Lactogyn, *see* H-00207
▷Lactolavol, *see* H-00207
▷Lactonitrile, *in* H-00207
p-Lactophenetidide, *in* H-00207
Lactophenin, *in* H-00207
Lactose octakis(hydrogen sulfate) basic aluminum salt, *see* L-00003
▷Lactovagan, *see* H-00207
Lactoylcholine, L-00004
▷Lactozyma, *see* T-00271
Lactulose, L-00005
Lactylphenetidin, *in* H-00207
▷Ladakamycin, *see* A-00496
▷Ladiomil, *in* M-00021
▷Ladogal, *see* D-00010
Ladogal, *see* G-00056
Ladormin, *see* B-00329
▷Laetrile, L-00006
Laevilac, *see* L-00005
LAF, *see* I-00080
▷Lafax, *see* P-00323
▷Lagistase, *see* E-00026
β-Lagodeoxycholic acid, *in* D-00321
LAGRF, *see* S-00049
Laki-Lorand factor, *see* F-00007
▷Lambdamycin, *see* C-00189
▷Lambratene, *see* A-00252
Lamotrigine, *see* D-00125
Lamoxactan disodium, *in* L-00012

▷Lampit, *see* N-00134
▷Lamprene, *see* C-00450
Lamtidine, L-00007
Lan 63, *in* R-00101
▷Lanatilin, *in* D-00275
Lanceolarin, *in* D-00330
▷Landolissin, *in* L-00013
▷Landromil, *see* C-00216
▷Landruma, *see* N-00113
▷Landsen, *see* C-00475
▷Lanesta, *in* C-00252
▷Lanirapid, *in* D-00275
▷Lanitop, *in* D-00275
▷Lankacidin *A*, *in* B-00362
▷Lankacidin *C*, *see* B-00362
▷Lankavacidin, *see* B-00362
▷Lanoxin, *see* D-00275
Lansfordite, *in* M-00006
Lansoprazole, L-00008
▷Lantanon, *in* M-00360
▷Lanturil, *see* O-00157
▷Lanvis, *see* T-00202
▷Lapachol, *see* H-00157
▷Lapenax, *see* C-00521
Lapinone, L-00009
Laprafylline, L-00010
Lapudrine, *in* C-00297
▷Laracaine, *see* D-00394
▷Laramycin, *see* Z-00038
Larcaphylline, *see* D-00374
▷Larex, *see* P-00385
▷Largactil, *in* C-00298
Largon, *in* P-00504
Lariacur, *see* M-00068
Lariam, *see* M-00068
Larocord, *see* T-00241
▷Larodopa, *in* A-00248
Larvadex, *see* C-00653
▷Larylgan, *in* D-00284
▷Larylgan, *in* I-00208
▷Larylgan, *in* M-00108
▷Lasalocid, *see* L-00011
▷Lasalocid *A*, L-00011
Lasepton, *see* T-00087
▷Lasix, *see* F-00267
Lasotin, *in* B-00234
▷LAT, *in* S-00150
▷LAT 1717, *in* P-00267
Latamoxef, L-00012
Latiazem, *see* D-00373
Latumcidin, *see* A-00002
Laudexium(2+), L-00013
▷Laudexium methylsulfate, *in* L-00013
▷Laudissin, *in* L-00013
▷Laughing gas, *see* N-00189
Laurabolin, *in* H-00185
Lauralkonium(1+), L-00014
Lauralkonium chloride, *in* L-00014
Laureth 9, *see* P-00380
Laurixamine, *in* A-00319
▷Laurocapram, L-00015
▷Laurodin, *in* L-00017
Lauroguadine, L-00016
Laurolinium(1+), L-00017
▷Laurolinium acetate, *in* L-00017
Lauron, *see* A-00478
Lauroyltetrapeptide, *see* P-00255
▷Laurylisoquinolinium bromide, *in* I-00210
▷Lautadin, *see* D-00046
Lavendamycin, L-00018
Lavoltidine, *see* L-00109
▷Lawsone, *see* H-00178
▷Laxesin, *see* L-00002
Laxitex, *see* S-00226
▷Laxmus, *in* H-00046
▷Laxoberal, *in* B-00221
Laxonalin, *in* B-00234
LB 125, *see* C-00647
LB 191, *see* F-00135
▷LBC 131, *in* C-00055
▷LC 44, *see* F-00198
▷LCB 29, *see* H-00130
LCG 21519, *in* P-00515
LC-R 505, *in* S-00274
▷LD 2480, *in* P-00308
▷LD 2630, *in* D-00263
LD2988, *see* F-00237
LD 2988, *in* F-00237
▷LD 3055, *in* O-00163
LD 3098, *see* C-00395
LD 335, *in* P-00520
▷LD 3394, *see* E-00174
LD3598, *see* S-00120
LD 3612, *see* P-00022
LD 3695, *see* C-00589
▷LD 4610, *see* O-00097
LD 4644, *see* P-00276
LD 935, *in* D-00517
▷LE 29060, *in* V-00032
Lealgin, *see* P-00165
Leanol, *see* H-00068
▷Lebaycid, *see* F-00078
Lebersdan, *see* P-00541
Lecibis, *in* B-00132
▷Lectopam, *see* B-00285
▷Ledakrin, *see* N-00163
▷Ledclair, *in* E-00186
▷Ledercillin, *in* P-00171
▷Ledercort, *in* T-00419
▷Lederfen, *see* B-00181
▷Lederkyn, *see* S-00246
▷Ledermycin, *see* D-00064
▷Lederspan, *see* T-00419
▷Ledosten, *see* D-00226
Lefadol, *see* B-00315
Lefetamine, *in* D-00492
Leflunomide, L-00019
Lefron, *in* A-00314
▷Legential, *in* D-00316
Leioplegil, *in* L-00020
Leiopyrrole, L-00020
▷Lekamin, *in* T-00534
▷Lemal, *in* C-00067
▷Lembil, *see* A-00466
Lembrol, *see* L-00097
Lemidosul, L-00021
▷Lemoran, *in* H-00166
Lenampicillin, L-00022
Lenasma, *in* O-00053
Lendorm, *see* B-00329
Lendormin, *see* B-00329
▷Lenetran, *see* M-00095
Lenigesial, *in* P-00512
▷Lenigesial, *see* V-00030
Leniquinsin, L-00023
Lenopect, *see* P-00275
Lenperol, *see* L-00024
Lenperone, L-00024
Lentabol, *in* C-00242
Lentinacin, *see* E-00110
▷Lentoquine, *in* Q-00027
Lentysine, *see* E-00110
▷Leo 1031, *see* P-00411
Leo 275, *see* E-00127
▷Leo 299, *in* E-00127
▷Leo 640, *in* L-00074
▷Leo 40067, *in* T-00219
Leocillin, *in* P-00061
▷Leofungine, *see* V-00012
Leomigran, *in* F-00154
▷Leomin, *in* H-00088
Leonurine, L-00025

▷Lepargylic acid, *see* N-00203
Lepicortin-Beta, *in* D-00336
Lepicortinolo-Gotas, *in* P-00412
▷Leponex, *see* C-00521
▷Lepotex, *see* C-00521
▷Lepsol, *see* M-00294
▷Leptacline, *see* C-00617
▷Leptazole, *see* T-00133
Lepticur, *in* T-00550
▷Lep-ton, *see* D-00226
▷Leptryl, *see* P-00122
▷Lerbek 25, *see* D-00187
▷Lergine, *in* P-00455
▷Lergitin, *see* A-00402
▷Lergoban, *in* D-00514
Lergobit, *in* P-00478
▷Lergocid, *in* A-00512
Lergotrile, L-00026
▷Lergotrile mesylate, *in* L-00026
▷Lerinol, *see* A-00390
▷Leritine, *see* A-00390
▷Lerivon, *in* M-00360
▷Leron, *in* G-00099
Lesidrin, *in* D-00346
▷Lesotal, *in* D-00449
▷Lesotal, *in* S-00106
Lesterol, *see* P-00445
▷Letamate, *in* V-00003
Lethidrone, *in* N-00032
Letimide, L-00027
Letimide hydrochloride, *in* L-00027
▷Letorin, *in* M-00118
Letosteine, L-00028
▷Letusin, *in* P-00512
▷Leucal, *see* P-00554
▷Leucethane, *see* E-00177
▷Leucid, *see* V-00037
Leucine, L-00029
4-L-Leucinecyclosporin *A*, *in* C-00638
11-L-Leucinecyclosporin *A*, *in* C-00638
▷6-D-Leucine-9-(*N*-ethyl-L-prolinamide)-10-deglycinamide-luteinizing hormone-releasing factor (pig), *see* L-00035
3-L-Leucine-7-L-norvalinecyclosporin *A*, *in* C-00638
4-L-Leucine-7-L-norvalinecyclosporin *A*, *in* C-00638
4-L-Leucine-7-L-valinecyclosporin *A*, *in* C-00638
▷Leucinocaine, L-00030
Leucocianidol, *see* H-00054
Leucocyanidol, *see* H-00054
Leucocyte Endogenous Mediator, *see* I-00080
Leucocyte interferon, *in* I-00079
▷Leucodinine, *see* B-00124
Leucodinine, *see* M-00477
▷Leucogen, *see* A-00458
Leucogenenol, L-00031
▷Leucomycin, *in* L-00032
▷Leucomycin A_1, L-00032
▷Leucomycin A_3, L-00033
Leucomycin A_5, L-00034
▷Leucomycin A_4, *in* L-00034
▷Leucomycin *V* 3-acetate 4^B-butanoate, *in* L-00034
▷Leucomycin *V*, 3-acetate 4^B-(3-methylbutanoate), *see* L-00033
Leucomycin *V*, 4^B-butanoate, *see* L-00034
▷Leucomycin *V* 3,4^B-dipropanoate, *see* P-00371
▷Leucomycin *V*, 4^B-(3-methylbutanoate), *see* L-00032
Leucomycin V, 4^B-butanoate 3^B-propanoate, *in* L-00034
▷Leucovorin, *see* P-00554
Leucovorin calcium, USAN, *in* P-00554
▷Leukaemomycin *C*, *see* D-00019
▷Leukaemomycinone, *in* D-00019
▷Leukeran, *see* C-00194
▷Leukerin, *see* D-00299
Leukomycin *N*, *see* A-00519
Leukotriene *C*, *see* S-00136
▷Leunase, *see* A-00458
▷Leuprolide, *see* L-00035
Leuprolide acetate, *in* L-00035
Leuprolidine, *in* L-00035
Leupron, *in* L-00035
▷Leuprorelin, L-00035
Leurocolumbine, *in* V-00032
▷Leurocristine, *see* V-00037
▷Leuroformine, *see* V-00039
▷Leurosidine, L-00036
Leurosidine $N^{b'}$-oxide, *in* L-00036
▷Leurosine, L-00037
▷*F*-Leurosine, *see* V-00039
Levaacetylmethadol, *in* M-00162
▷Levadone, *in* M-00163
▷Levallorphan, L-00038
▷Levallorphan tartrate, *in* L-00038
▷Levamethadone, *in* M-00163
Levamfetamine, *in* P-00202
Levamfetamine succinate, *in* P-00202
Levamisole, *in* T-00151
▷Levamisole hydrochloride, *in* T-00151
Levamphetamine, *in* P-00202
Levanil, *see* E-00011
Levantin, *see* N-00135
▷Levarterenol, *in* N-00208
Levdropropizine, *in* D-00610
▷Levedrine, *in* P-00202
▷Levetimide, *in* B-00080
▷Levisoprenaline, *in* I-00198
Levlofexidine, *in* L-00075
▷levo-BC 2627, *in* B-00417
Levobunolol, *in* B-00365
Levobunolol hydrochloride, *in* B-00365
Levocabastine, *in* C-00001
Levocabastine hydrochloride, *in* C-00001
▷Levocarnitine, *in* C-00084
▷Levodopa, *in* A-00248
▷Levo-Dromoran, *in* H-00166
Levofacetoperane, *in* P-00197
▷Levofenfluramine, *in* F-00050
Levofuraltadone, *in* F-00281
▷Levoglutamide, *in* G-00060
Levomenol, *in* B-00184
Levomepate, *see* A-00474
Levomepromazine, *in* M-00193
▷Levomethadone, *in* M-00163
Levomethadyl, *in* M-00162
Levomethadyl acetate, *in* M-00162
Levomethorphan, *in* H-00166
Levometiomeprazine, *in* M-00182
Levomoprolol, *in* M-00435
Levomoramide, *in* M-00437
▷Levomycetin, *see* C-00195
Levonantradol hydrochloride, *in* N-00038
Levonantrodol, *in* N-00038
Levonordefrin, *in* A-00249
Levonorgestrel, *in* N-00218
▷Levopa, *in* A-00248
▷Levophed, *in* N-00208
Levophenacylmorphan, L-00039
Levoprome, *in* M-00193
Levopropoxiphene dibudinate, *in* P-00512
Levopropoxyphene, *in* P-00512
▷Levopropoxyphene napsylate, *in* P-00512
Levopropylcillin, *see* P-00501
▷Levopropylcillin potassium, *in* P-00501
Levopropylhexedrine, *in* M-00242
Levoprotiline, *in* O-00092
▷Levoristatin, *see* A-00415
▷Levorphan, *in* H-00166
▷Levorphanol, *in* H-00166
Levorphanol tartrate, *in* H-00166
▷Levospan, *in* M-00254
Levospasme, *in* D-00517
Levospasmol, *in* D-00517
▷Levotetramisole hydrochloride, *in* T-00151
▷Levothym, *in* H-00219

▷Levothyroxine sodium, *in* T-00233
Levotuss, *in* D-00610
Levoxadrol, *in* D-00472
▷Levoxadrol hydrochloride, *in* D-00472
Levoxan, *in* D-00472
Levoxaprotiline, *in* O-00092
▷Levrison, *see* T-00521
▷Levulinic acid, *see* O-00134
Lexofenac, L-00040
LF 433, *see* F-00055
LG 254, *see* P-00275
LG 278, *see* X-00008
▷LG 11457, *in* E-00134
LG 13979, *in* A-00235
LG 30158, *see* R-00071
LG 30435, *in* M-00110
▷LH, *see* L-00118
LH 150, *in* P-00180
LH 380, *see* O-00104
▷LH-RF, *see* L-00116
▷LH-RH, *see* L-00116
LI-32468, *in* S-00119
Libavit K, *in* M-00271
Libecillide, L-00041
Libenzapril, L-00042
Liberan, *see* B-00066
▷Libexin, *in* P-00422
▷Libratar, *in* C-00196
▷Librax, *in* C-00200
▷Librax, *in* C-00425
▷Libritabs, *see* C-00200
▷Librium, *in* C-00200
Licabile, *see* F-00025
Licaran, *see* F-00025
Licarbin, *in* T-00508
Licolen, *in* C-00198
▷Licosin, *in* C-00025
▷Lidamal, *in* L-00043
Lidamidine, L-00043
▷Lidamidine hydrochloride, *in* L-00043
Lidanar, *in* M-00134
Lidanil, *in* M-00134
Lidanor, *in* M-00134
Lidaprem, *in* S-00199
Lidaprimol, *in* S-00199
▷Lidaral, *in* L-00043
Liden, *in* I-00193
Lidepran, *in* P-00197
▷Lidex, *see* F-00173
Lidimycin, *see* D-00048
▷Lidocaine, *see* L-00047
▷Lidocaine benzylbenzoate, *in* D-00070
▷Lidocaine hydrochloride, *in* L-00047
▷Lidofenin, L-00044
Lidoflazine, L-00045
▷Lidomex, *in* P-00412
▷Lidone, *in* M-00423
▷Lifene, *see* M-00294
Lifibrate, L-00046
Ligerium, *see* M-00048
▷Lignocaine, L-00047
Lignosulfonic acid, L-00048
▷Lilacillin, *in* S-00181
Lilly 103472, *see* F-00194
▷Lilly 106223, *in* C-00112
Lilly 106990, *in* C-00025
Lilly 109168, *see* N-00114
Lilly 110264, *see* C-00114
Lilly 112531, *in* V-00032
Lilly 113878, *in* C-00387
Lilly 113935, *see* P-00103
Lilly 122587, *see* D-00603
▷Lilly 133314, *in* T-00520
▷Lilly 22641, *see* D-00093
Lilly 26383, *in* T-00216
▷Lilly 28002, *see* E-00082
▷Lilly 29866, *in* P-00512
Lilly 30109, *see* N-00207
Lilly 31518, *in* P-00599
▷Lilly 31814, *in* H-00036
▷Lilly 32645, *see* L-00037
▷Lilly 33006, *see* A-00023
Lilly 33332, *see* I-00200
▷Lilly 36781, *see* L-00036
▷Lilly 38253, *in* C-00178
Lilly 38851, *see* B-00250
▷Lilly 39435, *see* C-00174
▷Lilly 41071, *see* C-00175
Lilly 44106, *see* T-00385
▷Lilly 46236, *in* D-00561
▷Lilly 47657, *see* A-00428
▷Lilly 49040, *in* V-00032
Lilly 49825, *see* N-00234
▷Lilly 52230, *see* C-00223
▷Lilly 53183, *see* A-00436
Lilly 53616, *see* F-00264
Lilly 53858, *see* P-00172
Lilly 56063, *see* H-00198
▷Lilly 57926, *see* S-00078
▷Lilly 59156, *see* E-00066
Lilly 60284, *see* C-00329
▷Lilly 64716, *see* C-00377
▷Lilly 67314, *in* M-00428
▷Lilly 68618, *see* M-00475
Lilly 69323, *in* P-00172
▷Lilly 79891, *see* N-00050
Lilly 83405, *see* C-00112
▷Lilly 83636, *in* L-00026
▷Lilly 83846, *in* A-00429
Lilly 89218, *see* N-00160
▷Lilly 90459, *see* B-00059
Lilly 90606, *see* I-00176
Lilly 93819, *see* E-00230
Lilly 99170, *see* A-00429
▷Lilly 99638, *see* C-00109
Lilopristone, L-00049
Limacine, *in* F-00017
Limacine 2β-N-oxide, *in* F-00017
Limacine 2′α-N-oxide, *in* F-00017
Limacine 2′β-N-oxide, *in* F-00017
Limaprost, L-00050
▷Limbitrol, *in* N-00224
▷Limbritrol, *in* C-00200
▷Limclair, *in* E-00186
▷Limpidon, *see* C-00019
▷LIN 1418, *see* S-00264
Linadryl, *see* D-00496
▷Linarigenin, *see* D-00329
Linarin, *in* D-00329
Linarine, *see* P-00050
▷Linaxar, *see* S-00169
▷Lincocin, *see* L-00051
▷Lincolnensin, *see* L-00051
▷Lincomycin, L-00051
Lincomycin sulfoxide, *in* L-00051
Lincomycose, *in* L-00051
▷Lindane, *in* H-00038
▷Linfolysin, *see* C-00194
Link's Compound No. 63, *see* C-00599
Linobol, *in* H-00111
Linocalcium, *in* O-00007
Linoderm, *in* D-00111
▷Linoleic acid, *in* O-00007
Linolelaidic acid, *in* O-00007
γ-Linolenic acid, *in* O-00009
Linolexamide, *in* O-00007
Linoman, *see* N-00129
Linomide, *see* R-00091
▷Linostil, *in* D-00387
Linsidomine, L-00052
▷Linugon, *in* G-00099
▷Liofene, *see* B-00179

Liomycin, *in* D-00080
▷Lioresal, *see* B-00003
▷Liosol, *see* B-00179
▷Liothyronine, *in* T-00487
Liothyronine sodium, *in* T-00487
Liotrix, *in* T-00487
▷Liotrix, USAN, *in* T-00233
Lipancreatin, *see* P-00011
▷Lipanor, *see* C-00389
Lipflavonoid, *see* V-00061
▷Lipidex, *see* O-00086
Lipidium, *see* N-00094
Lipivas, *see* H-00008
Lipkote, *see* T-00507
Lipociden, *see* C-00462
▷Lipoclar, *in* F-00062
▷Lipoclin, *see* C-00429
▷Lipoflavonoid, *in* I-00074
Lipo Gantrisin, *see* S-00216
▷Lipoglutaren, *see* H-00170
β-Lipoic acid, *in* L-00053
▷α-Lipoic acid, L-00053
Lipoic thiosulfinate, *in* L-00053
▷Lipomen, *see* H-00170
Lipomethason, *in* D-00111
▷Lipophoral, *see* B-00050
Liporgol, *in* A-00275
▷Liposana, *see* B-00179
▷Liposolvin, *see* S-00074
Lipostem, *in* H-00070
β-Lipotropic hormone, *see* L-00054
Lipotropin, L-00054
61-91-β-Lipotropin (human), *in* E-00049
▷Lipozid, *see* D-00443
Liprodene, *in* M-00288
Liprotene, *see* C-00467
Lipstatin, L-00055
Liptriu, *in* E-00193
▷Lipur, *see* D-00443
Liquaemin sodium, *in* H-00026
Liquamar, *see* P-00174
LIR 1660, *see* V-00018
Lircal, *in* O-00140
D-(−)-Liriodendritol, *in* I-00074
Liroldine, L-00056
▷Liron, *in* G-00099
Lirotil, *in* A-00249
Lisacol, *in* D-00049
▷Lisenil, *in* L-00124
▷Liserdol, *see* M-00159
▷Lisergan, *see* D-00412
▷Lisergide, *see* L-00122
Lisidonil, *in* M-00073
Lisinoprii, L-00057
Lisium, *in* C-00206
▷Lismol, *see* C-00307
▷Lismont, *in* A-00279
Lisocillide, *see* L-00041
Lisoflam, *see* B-00344
▷Lisomucol, *see* I-00107
▷Lisseril, *in* C-00597
▷Listica, *in* P-00179
Listomin, *see* E-00192
▷Listrocol, *see* C-00643
Lisuride, *see* L-00124
▷Litalir, *see* H-00220
Litarex, *see* L-00059
Litec, *see* P-00368
▷Lithane, *see* L-00058
▷Lithium carbonate, L-00058
Lithium citrate, L-00059
▷Lithium hydroxide, L-00060
▷Lithobid, *see* L-00058
▷Lithonate, *see* L-00058
Lithonate-S, *see* L-00059
▷Lithostat, *see* H-00106
▷Lithotabs, *see* L-00058
Litican, *see* A-00122
Litican (old form), *see* D-00213
▷Litmomycin, *see* G-00085
Litoralon, *see* S-00219
Litracen, L-00061
▷Livaline 500, *see* L-00062
▷Livathiol, *in* C-00654
Livial, *see* T-00251
▷Liviatin, *in* D-00080
▷Lividomycin, *see* L-00062
▷Lividomycin *A*, L-00062
Livipas, *see* H-00008
Lixazinone, L-00063
▷Lizenil, *in* L-00124
LJ 278, *see* D-00374
▷LL 1, *in* T-00413
▷LL 31, *see* T-00492
LL 1418, *see* O-00039
LL 1452, *see* D-00399
▷LL 1530, *in* N-00007
▷LL 1558, *see* B-00217
▷LL 1656, *in* P-00598
L4269-Labaz, *see* P-00583
LL AE 705W, *see* N-00081
LL-AM 684β, *see* T-00579
LL-C23024B, *in* A-00411
▷LL D05139α, *in* A-00509
LL-F28249α, *see* A-00408
LL-S-88 A″, *in* A-00436
LM 16, *in* C-00372
▷LM 123, *see* F-00189
LM 204, *in* D-00605
LM 208, *see* Q-00036
▷LM 280, *in* I-00093
LM 427, *see* R-00044
LM 5008, *see* P-00287
LM 550, *see* T-00297
LM 975, *see* O-00136
LM 21009, *see* C-00096
▷LM 22102, *in* D-00515
▷LM 22102, *see* T-00527
LM 24056, *see* Q-00039
LN 107, *see* B-00326
▷LN 1643, *in* B-00326
▷LN 2299, *in* B-00326
LN 2974, *in* T-00041
▷LO 44, *see* B-00148
LO 8146, *in* D-00463
Lobelidine, *in* L-00064
▷Lobeline, L-00064
▷α-Lobeline, *in* L-00064
▷Lobendazole, L-00065
Lobenzarit, L-00066
Lobenzarit sodium, *in* L-00066
▷Lobran, *in* L-00064
Lobuprofen, L-00067
Lobuterol, *see* B-00426
▷Locabiosol, *see* F-00301
▷Locabiotal, *see* F-00301
Localyn, *in* C-00232
Locastine, *in* A-00363
▷Locasyn, *see* F-00167
Locicortone, L-00068
▷Locoid, *in* C-00548
▷Locoidon, *in* C-00548
Locorten, *in* F-00156
Lodazecar, L-00069
Lodelaben, *see* C-00246
Lodine, *see* E-00245
Lodinixil, L-00070
▷Loditac, *see* O-00109
Lodopin, *see* Z-00039
▷Lodosyn, *see* C-00050
Lodoxamide, L-00071
Lodoxamide ethyl, *in* L-00071

Lodoxamide trometamine, *in* L-00071
▷Lodysin, *see* C-00050
▷Loestrin, *see* E-00231
▷Loestrin, *in* N-00212
Lofemizole, *see* C-00269
Lofemizole hydrochloride, *in* C-00269
Lofendazam, L-00072
Lofentanil, L-00073
Lofentanil oxalate, *in* L-00073
Lofepramine, L-00074
Lofetensin, *in* L-00075
Lofexidine, L-00075
Loflucarban, L-00076
Loftran, *see* K-00012
▷Loftyl, *in* P-00598
Logiston, *see* G-00033
▷Logynon, *in* E-00231
Logynon, *in* N-00218
Lokarin, *see* D-00380
▷Lokilan, *see* F-00167
Lomades, *in* B-00117
Lombazole, L-00077
▷Lomeblastin, *see* L-00083
Lomefloxacin, L-00078
Lometraline, L-00079
▷Lometraline hydrochloride, *in* L-00079
Lomevactone, L-00080
▷Lomidine, *in* P-00086
Lomifylline, L-00081
▷Lomistat, *in* C-00438
▷Lomofungin, L-00082
▷Lomondomycin, *see* L-00082
▷Lomotil, *in* T-00554
▷Lomusol, *in* C-00565
▷Lomustine, L-00083
LON 798, *in* G-00103
Lonapalene, *in* C-00257
Lonaprofen, L-00084
Lonarid, *in* O-00021
▷Lonavar, *see* O-00086
Lonax, *in* L-00085
Lonazolac, L-00085
Lonazolac calcium, *in* L-00085
▷Londomin, *see* S-00287
Longacid, *see* E-00152
Longatren, *see* A-00520
Longeril, *in* S-00151
Longestrol, *see* B-00326
Longimammine, *in* S-00286
▷Longine, *in* E-00218
▷Longoperidol, *see* P-00062
▷Longoran, *see* P-00062
▷Longum, *see* S-00198
▷Lonidamine, L-00086
▷Loniten, *see* M-00388
▷Lonolox, *see* M-00388
▷Lonoten, *see* M-00388
▷Lonovar, *see* O-00086
Lonseren, *in* P-00302
Lontanyl, *in* H-00111
▷Looser, *in* B-00369
Lopacetine, *in* A-00319
Lopantrol, *in* L-00094
Lopatol, *see* N-00186
▷Loperamide hydrochloride, *in* L-00087
Loperamide, L-00087
Loperamide oxide, *in* L-00087
▷Lopid, *see* D-00443
▷Lopirazepam, L-00088
▷Lopirin, *see* H-00145
Lopramine, *see* L-00074
▷Lopramine hydrochloride, *in* L-00074
Loprazolam, L-00089
Loprazolam mesylate, *in* L-00089
▷Lopremone, *see* T-00229
Lopresor, *in* M-00334
▷Lopress, *in* H-00096
▷Loprodil, *see* B-00200
▷Loprox, *in* C-00612
Loracarbef, L-00090
Lorajmine, *in* A-00088
Lorajmine hydrochloride, *in* A-00088
Loramet, *see* L-00097
Loranil, *see* B-00021
Lora (obsol.), *see* C-00205
Lorapride, L-00091
Loratadine, L-00092
Lorazepam, *in* D-00056
Lorazepam pivalate, *in* D-00056
▷Lorbamate, L-00093
Lorcainide, L-00094
Lorcainide hydrochloride, *in* L-00094
Lorcinadol, L-00095
Lorelco, *see* P-00445
▷Loretin, *see* H-00143
▷Lorexane, *in* H-00038
▷Lorfan, *in* L-00038
▷Lorglifone, *see* L-00100
Lorglumide, L-00096
▷Lorinal, *see* T-00433
Lorinden, *in* F-00156
Lormetazepam, L-00097
▷Lormin, *in* C-00208
Lornoxicam, L-00098
▷Lorothidol, *see* B-00204
Lorpiprazole, L-00099
▷Lorzafone, L-00100
Losan, *in* X-00024
Losec, *see* O-00044
Losindole, L-00101
Losulazine, L-00102
Losulazine hydrochloride, *in* L-00102
Lotagen, *in* D-00216
▷Lotawin, *see* O-00157
▷Lotense, *see* P-00386
Loticort, *see* F-00186
Lotifazole, L-00103
Lotrial, *in* E-00043
▷Lotrifen, L-00104
Lotucaine, L-00105
▷Lotusate, *see* T-00007
▷Lotussin, *in* H-00166
▷Lovastatin, *see* M-00348
Loxacor, *in* L-00075
Loxanast, *see* M-00268
▷Loxapac, *in* L-00106
▷Loxapine, L-00106
▷Loxapine succinate, *in* L-00106
Loxiglumide, L-00107
▷Loxitane, *in* L-00106
Loxitane C, *in* L-00106
▷Loxon, *see* H-00021
Loxoprofen, L-00108
Loxouin, *in* L-00108
Loxtidine, L-00109
Lozilurea, *see* C-00268
LPH, *see* L-00054
LQ 31-341, *see* I-00066
LR 511, *see* Z-00032
LR 19731, *see* C-00449
LR 99853, *see* P-00234
▷LRCL 3794, *see* B-00059
LRCL 3950, *see* I-00176
▷LRF, *see* L-00116
▷110 L-R.P., *in* S-00150
LS 1727, *in* H-00185
LS 2616, *see* R-00091
LS 2667, *see* T-00033
▷LSD, *see* L-00122
▷LT 86, *see* F-00215
LT 31-200, *see* B-00253
LTP, *see* P-00255

▷LU 1631, *in* A-00279
LU 253, *see* M-00458
▷Lu 3-010, *in* T-00014
▷Lu 3-083, *in* D-00413
Lu 5-003, *see* T-00017
▷Lu 5-110, *see* F-00198
Lu 7-105, *in* F-00198
Lu 10-022, *see* T-00054
Lu 10-171, *see* C-00400
Lu 18-012, *see* T-00053
LU 19005, *in* I-00053
LU 23051, *see* A-00344
LU 27937, *see* I-00215
▷Lubalix, *see* C-00517
▷Lubatren, *in* M-00432
Lucaine, *see* P-00326
▷Lucanthone, L-00110
▷Lucanthone hydrochloride, *in* L-00110
Lucartamide, L-00111
▷Lucensomycin, L-00112
▷Lucidril, *in* M-00046
▷Lucimycin, *see* L-00112
Lucina, *see* C-00528
▷Lucostine, *see* L-00083
▷Ludiomil, *in* M-00021
▷Ludionil, *in* M-00021
▷Ludobal, *in* Q-00037
Ludoctal, *see* O-00013
Luisosterol, *see* P-00445
Lukes-Šorm dilactam, *see* D-00302
▷Luliberin, *see* L-00116
▷Luminal, *see* E-00218
▷Lumopaque, *in* T-00581
Lumota, *in* A-00421
Lumoxyd, *see* I-00109
▷Lunamin, *see* H-00061
▷Lunis, *see* F-00167
Luostyl, *in* D-00261
▷Lupetidine, *see* D-00448
▷Lupinidine, *in* S-00110
Lupitidine, L-00113
Lupitidine hydrochloride, *in* L-00113
Luprostiol, L-00114
Lursele, *see* P-00445
Lurselle, *see* P-00445
▷Lutagan, *see* D-00393
▷Lutalyse, *in* T-00483
Lutamin, *in* L-00116
Lutate-Inj, *in* H-00202
▷Lutawin, *see* T-00007
Lutazol, *see* S-00009
Lutein, L-00115
▷Luteinising hormone, *see* L-00118
▷Luteinizing hormone-releasing factor, L-00116
▷Luteinizing hormone-releasing factor (pig), 6-[*O*-(1,1-dimethylethyl)-D-serine]-9-(*N*-ethyl-L-prolinamide)-10-deglycinamide, *see* B-00377
Lutenin, *see* N-00221
Lutenyl, *in* N-00200
▷Luteoantine, *see* F-00238
▷Luteonorm, *in* E-00227
Lutionex, *see* D-00063
Lutogil A.P., *in* H-00202
Lutogyl A.P., *in* H-00202
▷Luto-Metrodiol, *in* E-00227
Lutrelef, *in* L-00116
▷Lutrelin, L-00117
Lutrelin acetate, *in* L-00117
▷Lutropin, L-00118
▷Luvatren, *in* M-00432
Luvenil, *in* E-00003
Luvion, *see* C-00027
Luvistin, *in* H-00078
Luxabendazole, L-00119
▷Luxoral, *see* G-00064
▷LX 100-129, *see* C-00521
LY 031537, *in* B-00414
LY 104208, *in* V-00048
▷LY 108380, *in* D-00406
Ly 109168, *see* N-00114
LY 117018, *see* H-00140
LY 119863, *in* V-00037
LY 120363, *see* F-00161
LY 121019, *see* C-00345
LY 122512, *see* B-00228
LY 122771, *in* V-00056
LY 122772, *in* V-00056
▷LY 123508, *see* L-00100
LY 127123, *see* E-00070
LY 127623, *in* M-00325
▷LY 127809, *in* P-00119
LY 131126, *in* B-00414
LY 135837, *in* I-00054
LY 139037, *see* N-00192
LY 139603, *in* T-00377
LY 141894, *see* A-00184
LY 146032, *see* D-00014
LY 150378, *in* C-00457
LY 150720, *in* P-00232
LY 156758, *in* R-00005
LY 163502, *in* Q-00019
LY 163892, *see* L-00090
LY 171555, *in* Q-00032
LY 171883, *see* T-00375
LY 175326, *in* I-00190
LY 177370, *see* T-00275
LY 186655, *in* T-00249
LY 281067, *see* S-00047
LY 61017, *see* B-00176
LY 85287, *see* B-00308
▷LY97435, *see* P-00232
LY 97964, *see* C-00126
LY 99094, *in* V-00032
LY 12271-72, *see* V-00056
LY195115 20, *see* I-00064
Lyapolate sodium, *in* V-00047
Lyapolic acid, *in* V-00047
▷Lycanol, *in* G-00075
▷Lycine, *see* B-00140
Lycine hydrochloride, *in* B-00140
Lycobetaine, *see* U-00009
Lycomarasmic acid, *in* A-00462
▷Lycopersin, *see* B-00165
Lycoramine, *in* G-00002
▷Lycoremine, *in* G-00002
▷Lycorimine, *in* G-00002
▷Lycurin, *see* R-00068
Lydimycin, *see* D-00048
Lyman, *see* A-00144
▷Lymecycline, L-00120
Lymethol, *in* T-00508
Lymphazurin, *see* I-00212
Lymphocyte Activating Factor, *see* I-00080
▷Lympholysin, *see* C-00194
▷Lynestrenol, *see* L-00121
▷Lynoestrenol, L-00121
▷Lyopect, *see* N-00095
Lyostene, *see* A-00122
▷Lypressin, *in* V-00013
Lyrgosin, *in* D-00586
Lysateril, *in* P-00573
Lyseen, *in* D-00511
▷Lysenyl, *in* L-00124
▷Lysergan, *see* D-00412
▷D-Lysergic acid-(+)-butanolamide-(2), *see* M-00254
▷Lysergic acid diethylamide, *see* L-00122
▷Lysergide, L-00122
Lysine clonixinate, *in* C-00479
▷8-Lysine-3-phenylalanyloxytocin, *in* V-00013
▷*8-L-Lysine vasopressin*, *in* V-00013
Lysivane, *in* E-00160
Lysmucol, *see* H-00162

▷Lysodren, *see* D-00180
▷Lysolac, *see* T-00271
▷Lysostaphin, L-00123
Lyspafen, *see* D-00265
Lyspafen (obsol.), *in* P-00091
Lysuride, L-00124
N^2-L-Lysylbradykinin, *in* B-00264
▷Lytcurim, *see* R-00068
▷Lytears, *in* S-00085
▷Lyteers, *in* P-00391
▷Lytensium, *in* P-00084
▷Lytispasm, *see* O-00018
Lytosin, *see* P-00190
▷M-71, *in* B-00409
▷M 99, *see* E-00263
▷M 6/42, *see* R-00107
▷M 1028, *see* H-00018
M 115, *in* S-00282
▷M 141, *see* S-00111
▷M 183, *in* E-00263
M 218, *see* A-00125
M 2350, *see* L-00009
M 285, *see* C-00646
▷M 319, *see* C-00190
▷M 4209, *see* C-00056
M 451, *see* U-00014
M 5050, *in* D-00520
M 5202, *see* H-00087
M 5276, *see* G-00043
▷M 551, *see* P-00153
M 5943, *see* C-00297
M 6407, *see* B-00235
▷683 M, *see* O-00130
▷M7555, *in* A-00207
▷M 811, *see* D-00232
▷M4 212, *see* M-00405
M 12210, *see* P-00266
M 139603, *see* T-00157
M 146791, *see* C-00594
▷M 4365A_2, *see* R-00092
M 4365G_2, *see* R-00025
▷M73101, *see* E-00040
M-14012-4, *see* P-00237
▷M43-05026, *see* D-00303
MA 1277, *see* Z-00030
MA 1337, *in* C-00483
MA 1443, *in* L-00027
MA 593, *see* D-00237
▷MA 144*U*2, *see* M-00022
M 4365A_1, *in* R-00092
▷MA 144A_1, *see* A-00042
Maalox Plus, *in* M-00008
Mabuterol, M-00001
▷Maclicine, *see* D-00214
▷Macmiror, *see* N-00118
▷Macrobin, *in* C-00506
Macrobin-Depot, *in* C-00506
▷Macrocin, *in* T-00578
▷Macrodantin, *see* N-00178
▷Macro-dil, *see* P-00371
▷Macrose, *see* D-00113
▷Maculotoxin, *see* T-00156
▷Madecassol, *in* T-00485
▷Madelen, *see* O-00058
Maderan, *in* S-00199
Madiol, *in* M-00225
▷Madribon, *see* S-00238
Maduramicin, *see* A-00411
Maduramicin α, *see* A-00411
Maduramicin β, *in* A-00411
MAF, *in* I-00079
▷Mafatate, *in* M-00002
Mafenide, M-00002
▷Mafenide acetate, JAN, *in* M-00002
Mafoprazine, M-00003
Mafosfamide, M-00004
MAG 2, *in* O-00140
Magaldrate, M-00005
Magcorol, *see* M-00007
MAGGG, *see* M-00129
▷Magmilor, *see* N-00118
Magnacort, *in* C-00548
Magnacortril, *in* C-00548
Magnadelt, *in* P-00412
▷Magnamycin, *see* C-00056
▷Magnesite, *see* M-00006
Magnesium aluminosilicate, *see* A-00136
▷Magnesium carbonate, M-00006
Magnesium citrate, M-00007
Magnesium clofibrate, *in* C-00456
Magnesium hexacosahydroxypentaoxobis[sulfato(2−)]-decaaluminate(10−), *see* A-00135
Magnesium hydroxide, M-00008
Magnesium phosphate, M-00009
▷Magnesium salicylate, USAN, *in* H-00112
▷Magnesium sulfate, M-00010
Magnesium trisilicate, M-00011
Magnesone, *in* O-00140
▷Magnimix, *see* A-00428
Magnolol, M-00012
▷Magnophenyl, *see* H-00195
Magnosil, *see* M-00011
Maiorad, *see* T-00323
▷Maitansine, *see* M-00026
▷Majeptil, *in* T-00208
Majorem, *see* A-00347
▷Malathion, M-00013
Malazol, *see* A-00143
Malcotabs, *in* M-00011
Maletamer, *see* M-00014
Malethamer, M-00014
Malexil, *in* F-00030
Maleylsulfathiazole, M-00015
▷Maliasin, *in* E-00218
▷Maliazin, *in* E-00218
Malidone, *see* A-00143
Malinal, *see* A-00136
5,5′-[Malonylbis[(2-hydroxyethyl)imino]]bis[*N*,*N*′-bis[2-hydroxy-1-(hydroxymethyl)ethyl]-2,4,6-triiodoisophthalamide, *see* I-00096
Malonyldimethylurea, *in* P-00586
▷Malonylthiourea, *see* T-00192
▷Malonylurea, *see* P-00586
Malotilate, M-00016
Malouetine, *in* P-00416
Manalox AG, *in* G-00064
Mancef, *see* C-00112
M and B 2210, *in* S-00282
M and B 4180*A*, *in* I-00191
M and B 782, *see* P-00487
▷M and B 800, *in* P-00086
M. and B. 9105*A*, *in* D-00529
M. and B. 15497, *see* D-00041
▷M. and B. 16905, *see* I-00209
M. and B. 20755*H*, *in* H-00142
M. and B. 33153, *see* O-00137
Mandelamine, *in* H-00057
Mandelic acid 1,2,2,6-tetramethyl-4-piperidyl ester, *see* E-00267
▷Mandelic acid 3,3,5-trimethylcyclohexyl ester, *see* C-00586
▷Mandelonitrile-β-glucuronic acid, *see* L-00006
▷Mandelyltropine, *see* H-00082
▷Mandrax, *in* D-00484
▷Mandrax, *in* M-00172
Maneon, *in* A-00200
Manidipine, M-00017
Manlate, *see* N-00086
▷Mannitlost, *see* M-00019
Mannitol, M-00018
▷Mannitol hexanitrate, *in* M-00018
▷Mannitol nitrogen mustard, *see* M-00019

▷Mannomustine, M-00019
▷Mannomustine dihydrochloride, *in* M-00019
▷Mannosulfan, *in* M-00018
Manozodil, M-00020
▷Mansil, *see* O-00084
▷Mantomide, *see* C-00197
▷Maolate, *in* C-00261
Maon, *see* S-00134
▷Mapharsen, *in* O-00135
▷Maprotiline, M-00021
▷Maprotiline hydrochloride, *in* M-00021
Maratan, *in* B-00234
Marbadal, *in* M-00002
Marbaletten, *in* M-00002
▷Marboran, *in* M-00264
▷Marcaine, *see* B-00368
▷Marcellomycin, M-00022
Marcoumar, *see* P-00174
Marcumar, *see* P-00174
Marenil, *see* I-00001
Marespin, *in* S-00195
▷Maretin, *see* N-00042
▷Marevan, *in* W-00001
Margeryl, *see* B-00237
Maricolene, *in* E-00193
Maridomycin, *see* M-00023
Maridomycin III, M-00023
Maridomycin propionate, *in* M-00023
▷Marijuana, *in* T-00115
▷Marinol, *in* T-00115
Maripen, *see* P-00058
Mariptiline, M-00024
▷Marmelide, *see* I-00045
▷Maronil, *in* C-00472
Maroxepin, M-00025
▷Marplan, *see* I-00181
▷Marplon, *see* I-00181
▷Marsilid, *in* I-00161
Marsyl, *in* M-00269
▷Marticassol, *in* T-00485
▷Marvacaine, *in* A-00289
▷Marvelon, *in* D-00099
▷Marvelon, *in* E-00231
▷Marygin *M*, *in* I-00199
▷Marzine, *in* C-00595
Masmoran, *in* H-00222
Massobron, *see* P-00480
Mast cell growth factor, *see* I-00082
Masterone, *in* H-00153
▷Mastimyxin, *in* P-00384
MA 144T_1, *see* A-00089
Matachron, *in* E-00115
▷Matamycin, *see* A-00158
▷Match, *see* M-00165
▷Matenon, *see* M-00361
▷Materlac, *in* R-00067
Matosil, *in* A-00126
▷Matromycin, *see* O-00035
Matronal, *see* N-00221
▷Matulane, *in* P-00448
Maxafil, *see* C-00378
▷Maxibolin, *see* E-00213
Maxicaine, *see* P-00034
Maxicam, *see* I-00217
Maxiflor, *in* D-00267
Maxilase, *see* A-00147
▷Maximed, *in* P-00544
▷Maxipen, *in* P-00152
Maxitil, *in* C-00161
▷Maxius, *in* T-00250
Maxolon, *in* M-00327
▷Mayeptil, *in* T-00208
▷MAYT, *see* M-00026
Maytanacine, *in* M-00027
Maytanbutine, *in* M-00026
Maytanprine, *in* M-00026
▷Maytansine, M-00026
Maytansinol, M-00027
Maytanvaline, *in* M-00026
Mazaticol, M-00028
▷Mazindol, M-00029
Mazipredone, M-00030
Mazulenin, *in* I-00205
M + B 125, *see* B-00129
M. & B. 1270, *see* D-00168
M & B 4438, *see* S-00255
M. & B. 4453, *see* D-00372
▷M&B 5062*A*, *in* A-00186
▷M&B 693, *see* S-00252
M&B 744, *in* S-00153
M & B 8430, *see* C-00495
▷M & B 9302, *in* C-00496
M. + B. 16942*A*, *in* D-00118
M&B 22948, *see* Z-00006
▷M & B 39565, *see* M-00408
M&B 39831, *see* T-00064
▷MB 530B, *see* M-00348
MBBA, *see* B-00286
MBR-4197, *see* F-00141
MBR 4223, *see* T-00461
MBR 4164-8, *in* D-00271
MC 838, *in* M-00457
MC 9367, *see* P-00493
▷MCE, *see* M-00159
MCGF, *see* I-00082
▷MCI 2016, *in* B-00161
MCI 9038, *see* A-00440
▷MCMN, *see* R-00084
McN 100, *see* T-00455
McN 1107, *see* C-00263
McN 1210, *see* P-00588
McN 1231, *see* F-00162
McN 1546, *see* F-00159
McN-2378, *see* M-00063
McN 2453, *see* T-00116
▷McN 2559, *see* T-00353
McN 2840, *in* D-00229
▷McN 3113, *see* X-00014
McN 3377, *see* F-00059
McN-3495, *see* P-00345
McN 3495, *in* P-00345
McN 3716, *in* T-00110
McN 3802, *see* T-00110
▷McN 485, *see* A-00225
MCN 4853, *in* T-00382
▷McN 742, *see* A-00246
McN 2783-21-98, *in* Z-00035
McN 4097-12-98, *in* F-00061
▷McN-JR 3345, *see* P-00274
▷McN JR 4584, *see* B-00060
▷McN JR 6218, *see* F-00223
▷McN-JR 6238, *see* P-00263
McN JR 7904, *see* L-00045
▷McN JR 16341, *see* P-00062
McN-JR 35443, *see* O-00094
McN JR4929-11, *in* B-00080
McN-JR 7242-11, *see* D-00269
McN JR 13558-11, *in* D-00265
McN JR 15403-11, *see* D-00265
McN-R 1967, *see* H-00197
McN-R-726-47, *in* P-00378
MCNU, *see* R-00010
McN X-94, *see* C-00035
MD 2, *see* H-00076
MD 102, *see* V-00008
▷MD 2028, *see* F-00130
MD 6134, *in* W-00001
MD 6260, *in* H-00029
MD 6753, *in* C-00362
▷6809 MD, *see* M-00043
7110 MD, *in* C-00381
MD 805, *see* A-00440

MD 24 0928, *see* A-00140
▷MD 67332, *see* F-00036
▷MD 67350, *in* C-00363
▷MD 68111, *in* C-00382
MD 710247, *see* P-00309
MD720111, *see* O-00088
MD 73442, *see* N-00141
MD 750819, *see* M-00471
MD 770207, *see* C-00085
MD 780236, *in* A-00140
▷MD 780515, *see* C-00352
MD 790501, *see* T-00548
▷MDA, *see* T-00066
▷MDi 193, *see* C-00639
MDL 035, *see* T-00378
MDL-181, *see* P-00418
MDL 257, *see* Z-00019
MDL-308, *in* Z-00010
▷MDL 458, *see* D-00046
MDL 507, *see* T-00056
MDL 646, *see* M-00352
MDL-809, *see* A-00287
MDL 899, *in* M-00434
MDL 17043, *see* E-00062
MDL 19205, *see* P-00353
MDL 19744, *in* T-00310
MDL 71626, *see* M-00117
MDL 71754, *see* A-00260
▷MDL 71782, *see* D-00126
MDL 72422, *in* T-00547
MDP, *in* M-00168
▷Me 3625, *see* N-00092
▷ME 910, *in* B-00090
▷Meaverin-ultra, *see* B-00368
MEB 6401, *see* C-00427
▷Mebadin, *see* D-00050
Mebamide, *in* D-00372
▷Mebanazine, *see* P-00188
▷Mebaral, *see* E-00206
▷Mebendazole, M-00031
Mebenoside, M-00032
Mebetus, *see* P-00480
▷Mebeverine, M-00033
▷Mebeverine hydrochloride, *in* M-00033
Mebezonium(2+), M-00034
Mebezonium iodide, *in* M-00034
Mebhydrolin, M-00035
Mebhydrolin napadisylate, JAN, *in* M-00035
Mebinol, *see* C-00415
Mebiquine, M-00036
Mebolazine, M-00037
Mebrofenin, M-00038
▷Mebroin, *in* D-00493
▷Mebroin, *in* E-00206
Mebrophenhydramine, *see* E-00033
Mebrophenhydrinate, *in* E-00033
Mebroxine, *see* B-00304
Mebryl, *see* B-00286
▷Mebryl, *in* E-00033
▷Mebubarbital, *see* P-00101
▷Mebumal, *see* P-00101
Meburamide, *see* P-00181
▷Mebutamate, M-00039
Mebutin, *see* T-00491
Mebutizide, M-00040
▷Mecadox, *see* C-00039
Mecal, *see* S-00183
▷Mecamylamine, M-00041
▷Mecamylamine hydrochloride, *in* M-00041
Mecarbinate, *in* H-00163
Mecetronium ethylsulfate, *in* E-00182
Mecetronium etilsulfate, *in* E-00182
Mechloral, *see* C-00205
▷Mechlorethamine, *see* D-00193
▷Mechlorethamine hydrochloride, *in* D-00193
Meciadanol, *in* P-00081
▷Meciclin, *in* D-00064
▷Mecillinam, M-00042
Mecillinam pivaloyloxymethyl ester, *see* P-00366
▷Mecinarone, M-00043
Meclan, *in* M-00044
Meclastine, *see* C-00416
▷Meclizine, *see* M-00051
▷Meclizine hydrochloride, *in* M-00051
▷Meclocycline, M-00044
Meclocycline sulfosalicylate, *in* M-00044
Mecloderm, *in* M-00044
▷Meclofenamate sodium, *in* M-00045
▷Meclofenamic acid, M-00045
▷Meclofenoxate BAN, M-00046
▷Meclomen, *in* M-00045
▷Meclonax, *in* M-00045
Meclonazepam, M-00047
Meclopin, *in* O-00162
Meclopin (oral), *see* O-00162
Meclopin (parenteral), *in* O-00162
Mecloprodine, *see* C-00416
▷Mecloqualone, *see* C-00272
Mecloralurea, M-00048
Meclorisone, M-00049
Meclorisone dibutyrate, *in* M-00049
Meclosil, *in* M-00044
Meclosorb, *in* M-00044
Mecloxamine, M-00050
▷Meclozine, M-00051
Meclutin, *in* M-00044
Mecobalamin, *see* M-00241
▷Meconium, *see* M-00449
Mecoral, *see* C-00205
Mecortolon, *in* P-00412
Mecostrin chloride, *in* T-00571
Mecrifuranone hydrochloride, *in* M-00052
Mecrifurone, M-00052
Mecysteine, *in* C-00654
▷Medapan, *see* H-00027
▷Medazepam hydrochloride, *in* M-00053
▷Medazepam, M-00053
Medazomide, *see* M-00054
Medazonamide, M-00054
▷Medemycin, *see* P-00371
Mederel, *in* A-00357
Medetomidine, *see* T-00505
▷Medfalan, *in* M-00084
▷Mediator, *see* B-00050
▷Mediatric, *in* F-00094
Mediaven, *see* N-00022
▷Mediaxal, *see* B-00050
▷Medibazine, M-00055
Medicaina, *see* P-00034
Medicil, *in* M-00440
▷Medifenac, *see* A-00103
▷Medifoxamine, M-00056
▷Medigoxin, *in* D-00275
▷Medirex, *see* I-00007
Medodorm, *see* C-00205
Medomet, *in* M-00249
▷Medomin, *see* H-00027
▷Medopaque, *in* I-00101
Medorinone, *see* M-00272
Medorubicin, *in* A-00080
▷Medphalan, *in* M-00084
Medrin, *in* E-00033
▷Medrocort, *see* M-00060
▷Medrogestone, M-00057
▷Medroglutaric acid, *see* H-00170
▷Medrol, *see* M-00297
Medrol stabisol, *in* M-00297
Medronate disodium, *in* M-00168
▷Medrone, *see* M-00297
Medronic acid, *see* M-00168
Medroxalol, M-00058
Medroxalol hydrochloride, *in* M-00058

▷Medroxyprogesterone, *in* H-00175
▷Medroxyprogesterone acetate, *in* H-00175
Medrylamine, M-00059
▷Medrysone, M-00060
▷Medullin, *in* D-00339
▷Medulor, *see* D-00382
▷Mefamide, *in* M-00002
Mefazine, *in* D-00247
▷Mefeclorazine, M-00061
▷Mefenamic acid, M-00062
Mefenedil fumarate, *in* M-00063
▷Mefenhydramine, *see* M-00460
Mefenidil, M-00063
Mefenidramium(1+), M-00064
Mefenidramium metilsulfate, *in* M-00064
▷Mefenorex, *see* C-00280
▷Mefenorex hydrochloride, *in* C-00280
Mefentanyl, M-00065
Mefeserpine, M-00066
▷Mefexadyne, *see* M-00067
▷Mefexamide, M-00067
Mefloquine, M-00068
▷Mefloquine hydrochloride, *in* M-00068
▷Mefobarbital, *see* E-00206
Mefoxacin, *see* O-00032
▷Mefrusal, *see* M-00069
▷Mefruside, M-00069
▷Mefultol, *see* M-00069
▷Mefuralazine, *in* F-00280
Megabolin, *in* H-00185
▷Megace, *in* H-00174
Megaclor, *see* C-00473
▷Megalan, *see* M-00319
Megalomicin *A*, M-00070
Megalomicin potassium phosphate, *in* M-00070
Megalomycin, *see* M-00070
Megalomycin *A* 4^-acetate, *in* M-00070
▷Megalomycin *A* 3^-acetate 4^-propanoate, *in* M-00070
Megalomycin B, *in* M-00070
▷Megalomycin C_1, *in* M-00070
▷Megalomycin C_2, *in* M-00070
▷Megalomycin *A* 3^,4^-diacetate, *in* M-00070
Megazone, *in* P-00180
Megestrol, *in* H-00174
▷Megestrol acetate, *in* H-00174
▷Megimide, *in* E-00203
▷Meglitinide, M-00071
Meglucycline, M-00072
Meglumine, *in* D-00082
▷Meglumine acetrizoate, *in* A-00340
▷Meglumine diatrizoate, *in* D-00138
▷Meglumine iotalamate, JAN, *in* I-00140
Meglumine iotroxinate, *in* I-00145
Meglumine salicylate, *in* H-00112
▷Meglutol, *see* H-00170
Megrin, *in* H-00072
Me-H4F, *in* K-00021
Meicelin, *see* C-00133
▷Mekkings *E*, *in* H-00113
▷Mel *W*, *in* M-00076
Meladrazine, M-00073
Melanate, *in* D-00416
▷Melanex, *see* M-00146
Melanocyte-stimulating hormone, *see* I-00086
β-Melanocyte stimulating hormone, *see* M-00075
Melanocyte-stimulating-hormone-release inhibiting factor, *see* M-00074
Melanostatin, M-00074
Melanotropin, *see* I-00086
β-Melanotropin, M-00075
Melanotropin release-inhibiting factor, *see* M-00074
▷Melanterite, *in* F-00094
▷Melarsonyl, M-00076
▷Melarsonyl potassium, *in* M-00076
▷Melarsoprol, M-00077
▷Melbex, *see* M-00475
▷Meldane, *see* C-00555
▷Meldol, *in* M-00432
▷Meleamycin, *see* C-00403
Melengestrol, M-00078
▷Melengestrol acetate, *in* M-00078
Meletimide, M-00079
▷Meletin, *see* P-00082
▷Melex, *see* M-00350
▷Melfalan, *in* M-00084
Melfiat, *in* M-00290
Melicin, *see* P-00366
Melidorm, *in* M-00050
▷Melinamide, M-00080
Melipan, *in* C-00628
▷Melipan, *see* N-00014
▷Melitase, *see* C-00299
▷Melitoxin, *see* M-00251
▷Melitracen, M-00081
▷Melitracen hydrochloride, *in* M-00081
▷Melixeran, *in* M-00081
Melizame, *see* H-00198
▷Mellaril, *see* T-00209
▷Mellaril hydrochloride, *in* T-00209
▷Mellitoral, *see* C-00070
Melongoside *B*, *in* S-00129
Meloxicam, M-00082
▷Meloxine, *see* X-00007
Melperone, M-00083
Melphalan, M-00084
Melsaphine, *in* X-00010
Melsulpridum, *see* T-00243
▷Meltrol, *in* P-00154
Melysin, *see* P-00366
Memantine, *see* D-00402
▷Memoril, *in* G-00060
Memotine, M-00085
Memotine hydrochloride, *in* M-00085
MEN 935, *see* A-00070
Menabitan, M-00086
Menabitan hydrochloride, *in* M-00086
Menacor, *see* C-00498
▷Menaderm simplex, *in* I-00188
▷Menadiol, *see* D-00333
Menadiol bissulfobenzoate, *in* D-00333
▷Menadiol diacetate, *in* D-00333
▷Menadiol dibutyrate, *in* D-00333
Menadiol disuccinate, *in* D-00333
Menadiol disulfate, *in* D-00333
Menadiol potassium sulfate, *in* D-00333
▷Menadiol sodium diphosphate, *in* D-00333
Menadiol trimethylammonioacetate chloride, *in* D-00333
▷Menadione, *see* M-00271
Menadione sodium bisulfite, *in* M-00271
Menadoxime, M-00087
Menaphthone carboxymethoxime, *see* M-00087
Menaquinone-6, *in* V-00065
Menaquinone K_6, *in* V-00065
Menaquinone-7, *in* V-00065
Menaquinone K_7, *in* V-00065
Menaquinone-8, *in* V-00065
Menaquinone K_8, *in* V-00065
Menaquinone-9, *in* V-00065
Menaquinone K_9, *in* V-00065
Menaquinone-10, *in* V-00065
Menaquinone K_{10}, *in* V-00065
▷Menatetren, *see* M-00088
▷Menatetrenone, M-00088
Menbutone, *see* M-00208
Mendozal, *see* P-00545
▷Menesit, *see* C-00050
Menetyl, *see* E-00133
Menfegol, M-00089
▷Menformon, *see* O-00031
Menglytate, M-00090
▷Menichlopholan, *see* N-00092
Menidrabol, *in* H-00185

Menisidine, *in* F-00017
Menisine, *in* T-00152
Menitrazepam, M-00091
▷Menocil, *see* A-00246
Menoctone, *see* C-00620
▷Menoctyl, *in* O-00069
Menodin, *in* O-00028
▷Menodin, *in* T-00359
▷Menogaril, M-00092
▷Menolysin, *in* Y-00002
Menoxicor, *see* C-00498
Menphegol, JAN, *see* M-00089
▷Menrium, *in* C-00200
▷Mentabal, *see* E-00206
▷Mentalormon, *in* H-00110
p-Menthane-1,8-diol, *see* H-00216
▷3-*p*-Menthanol, *see* I-00208
p-Menth-1-ene-6,8-diol, *see* H-00162
▷(−)-Menthol, *in* I-00208
(+)-Menthol, *in* I-00208
(±)-Menthol, *in* I-00208
p-Menth-3-yl ethoxyacetate, *see* M-00090
Mentis, *in* P-00336
Mentium, *in* P-00336
Meobentine, M-00093
Meobentine sulfate, *in* M-00093
▷Mepacrine, *see* Q-00010
▷Meparfynol, *see* M-00281
▷Meparfynol carbamate, *in* M-00281
Mepartricin, *in* P-00042
Mepartricin A, *in* P-00042
Mepartricin B, *in* P-00042
▷Mepavlon, *see* M-00104
▷Mepazine, *see* P-00048
Mepenicycline, *see* P-00068
▷Mepentamate, *in* M-00281
Mepenzolate(1+), M-00094
▷Mepenzolate bromide, *in* M-00094
▷Mepergan, *in* P-00131
▷Meperidine, *see* P-00131
▷Meperidine hydrochloride, *in* P-00131
Mephaquin, *see* M-00068
Mephasine, *in* D-00247
Mephazin, *in* D-00247
▷Mephenesin, *see* M-00283
▷Mephenesin carbamate, *in* M-00283
▷Mephenoxalone, M-00095
▷Mephentermine, *in* P-00193
Mephentermine sulfate, *in* P-00193
▷Mephenytoin, *see* M-00188
Mephine, *in* P-00193
▷Mephobarbital, *see* E-00206
▷Mephson, *see* M-00283
Mephyten-OK, *in* P-00228
Mepicor, *in* M-00097
▷Mepicycline, M-00096
▷Mepidon, *see* D-00407
Mepifylline, *in* M-00108
Mepindolol, M-00097
Mepiperphenidol(1+), M-00098
Mepiprazole, M-00099
▷Mepireserpate hydrochloride, *in* M-00336
▷Mepirizole, JAN, *see* E-00083
Mepiroxol, *in* P-00573
▷Mepiserpato, *in* M-00336
▷Mepitiostane, M-00100
▷Mepivacaine, M-00101
▷Mepivacaine hydrochloride, *in* M-00101
▷Mepixanox, M-00102
▷Meplion, *see* M-00096
Mepramide, *see* B-00317
Mepramidil, M-00103
Meprane, *see* P-00479
Meprane dipropionate, *in* P-00479
▷Meprednisone, *in* D-00336
Meprednisone hydrogen succinate, *in* D-00336
▷Meprobamate, M-00104
▷Meprocaine, *in* A-00289
Meprochol, *in* M-00216
Meprodine, M-00105
▷Meprolax, *see* G-00064
▷Mepronal, *see* B-00291
▷Meproscillarin, *in* D-00319
▷Meprothixol, M-00106
▷Meprotixol, *see* M-00106
Meprylcaine, *in* A-00289
▷Meprylcaine hydrochloride, *in* A-00289
▷Meptadol, *in* M-00107
Meptazinol, M-00107
▷Meptazinol hydrochloride, *in* M-00107
▷Meptid, *in* M-00107
▷Meptidol, *in* M-00107
▷Meptine, *in* M-00256
▷Mepyramine, M-00108
▷Mepyrapone, *see* M-00248
Mepyrium, *see* A-00323
Mepyrrotazinum, *see* D-00378
Mequidox, *in* H-00164
▷Mequinol, *in* B-00074
Mequinolate, *see* P-00523
▷Mequitazine, M-00109
Mequitazium(1+), M-00110
Mequitazium iodide, *in* M-00110
Mequiverine, *see* Q-00026
MER 17, *see* D-00506
Mer 27, *see* P-00026
▷Meractinomycin, *see* A-00057
Meradan, *see* A-00063
Meralein, M-00111
Meralein sodium, *in* M-00111
Meralluride, M-00112
Meralop, *see* K-00009
▷Meratran, *in* D-00504
Merbak, *see* A-00024
▷Merbentul, *see* C-00290
Merbromin, M-00113
▷Mercabolide, *see* C-00247
▷Mercamidum, *see* M-00120
▷Mercamin, *see* A-00252
▷Mercaptamine, *see* A-00252
N-[*N*-[*N*-(Mercaptoacetyl)glycyl]glycyl]glycine, *see* M-00129
2-Mercapto-β-alanine, *see* A-00278
(2-Mercaptoanilidato-*S*)gold, *see* A-00478
Mercaptoarsenol, *see* A-00451
▷2-Mercaptobenzoic acid, M-00114
▷Mercaptobutanedioic acid, M-00115
2-Mercaptoethanesulfonic acid, M-00116
▷2-Mercaptoethylamine, *see* A-00252
(2-Mercaptoethyl)trimethylammonium ester with diethyl thiophosphoric acid, *see* E-00010
α-Mercapto-β-(2-furyl)acrylic acid, M-00117
Mercaptomerin, M-00118
▷Mercaptomerin sodium, *in* M-00118
▷2-Mercapto-1-methylimidazole, *see* D-00289
N-(2-Mercapto-2-methyl-1-oxopropyl)cysteine, *see* B-00337
▷1-(3-Mercapto-2-methyl-1-oxopropyl)proline, *see* C-00034
[[3-Mercapto-2-methylpropionyl]prolyl]-3-phenylalanine acetate, *see* A-00090
5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione, M-00119
5-Mercaptomethyluracil, *see* M-00119
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
▷Mercaptophos, *see* F-00078
1-(3-Mercaptopropanoic acid)-8-D-argininevasopressin, *see* D-00097
1-(3-Mercaptopropanoic acid)-2-(4-ethyl-L-phenylalanine)-6-carbaoxytocin, *see* N-00005
1-(3-Mercaptopropanoic acid)oxytocin, *see* D-00030
1-(3-Mercaptopropionic acid)-2-[3-(*p*-ethylphenyl)-L-alanine]-6-(L-2-aminobutyric acid)oxytocin, *see* N-00005
▷*N*-(2-Mercaptopropionyl)glycine, *see* M-00120
▷Mercaptopurine, *see* D-00299

6-Mercaptopurine, *in* D-00299
4-Mercapto-1*H*-pyrazolo[3,4-*d*]pyrimidine, *see* P-00565
▷6-Mercapto-9-β-D-ribofuranosyl-9*H*-purine, *see* T-00204
▷Mercaptosuccinic acid, *see* M-00115
Mercaptosuccinic acid triester with thioantimonic acid, *see* S-00150
▷2-Mercaptothiazoline, M-00121
3-Mercaptovaline, *see* P-00064
Mercardac, *see* M-00112
Mercardan, *see* M-00112
▷Mercazolyl, *see* D-00289
▷Mercloran, *see* C-00209
Mercryl, *see* B-00429
Mercuderamide, M-00122
▷Mercufenol chloride, *see* C-00247
Mercuhydrin, *see* M-00112
Mercumallylic acid, M-00123
Mercumallyltheophylline, *in* M-00123
Mercumatilin sodium, *in* M-00123
Mercuretin, *see* M-00112
Mercurex, *in* M-00111
▷Mercurin, *in* C-00067
▷Mercurit, *in* C-00067
Mercurobutol, *see* B-00429
▷Mercurochrome, *in* M-00113
▷Mercurophylline, *in* C-00067
▷Mercurophylline sodium, *in* C-00067
▷Mercurothiolate sodique, *in* E-00198
▷Mercury amide chloride, M-00124
▷Mercury aminochloride, *see* M-00124
▷Mercusal, *in* M-00122
▷Mercuzan, *in* C-00067
▷Mercuzanthin, *in* C-00067
▷Meregon, *see* B-00358
▷Mereprine, *in* D-00598
▷Merfalan, *in* M-00084
Merfen, *in* H-00191
Mergocriptine, M-00125
▷Merilid, *see* C-00209
▷Merinax, *see* H-00061
Meriodine, *in* D-00358
Merisoprol, M-00126
▷Meritin, *see* A-00173
▷Merkamin, *see* A-00252
▷Merocet, *in* H-00043
Merochlorophaeic acid, M-00127
Merodicein, *in* M-00111
Meropenem, M-00128
▷Meropenin, *see* P-00171
▷Merpectogel, *see* N-00169
▷Merphalen, *in* M-00084
▷Merphenylnitrat, *see* N-00169
Merprane, *in* M-00126
▷Mersalyl, *in* M-00122
▷Merthiolate, *in* E-00198
▷Merthylline, *in* C-00067
Mertiatide, M-00129
▷Mervan, *see* A-00103
Mesabolone, M-00130
▷Mesalamine, *see* A-00266
▷Mesalazine, *see* A-00266
▷Mesantoin, *see* M-00188
▷Mescaline, M-00131
▷Mesdicain, *see* T-00492
▷Meseclazone, M-00132
▷Mesna, *in* M-00116
Mesna disulphide, *in* D-00550
▷Mesocain, *see* T-00492
▷Mesocarb, M-00133
▷Mesoerythritol, *see* E-00114
Mesoinositol, *see* I-00074
▷Mesonex, *in* I-00074
▷Mesontoin, *see* M-00188
▷Mesopin, *in* H-00082
▷Mesopor, *in* D-00313
Mesorgydin, *see* L-00124
▷Mesoridazine, M-00134
Mesoridazine besylate, *in* M-00134
Mesotan, *in* H-00112
Mesotartaric acid, *in* T-00028
▷Mesotol, *in* H-00112
▷Mesoxalylurea, *see* A-00128
Mespirenone, M-00135
▷Mestanolone, M-00136
Mestenediol, *in* M-00225
Mesterolone, M-00137
Mestilbol, *in* D-00257
▷Mestinon, *in* P-00578
Mestoranum, *see* M-00137
▷Mestranol, M-00138
Mesudipine, M-00139
▷Mesulergine, M-00140
▷Mesulfamide, M-00141
Mesulfamide sodium, *in* M-00141
Mesulfen, *see* D-00456
▷Mesulide, *see* N-00146
Mesulphen, *see* D-00456
Mesuprine, M-00142
▷Mesuprine hydrochloride, *in* M-00142
▷Mesuximide, *see* D-00447
▷Mesylerythrol, *see* R-00068
▷Metabarbital, *see* M-00173
▷Metabolite *C*, *see* D-00129
Metabromsalan, *in* D-00165
Metabutethamine, M-00143
▷Metabutoxycaine, M-00144
▷Metace, *see* C-00290
▷Metacetamol, *in* A-00297
Metacin, *in* M-00326
Metaclazepam, M-00145
▷Metacortandracin, *see* P-00413
▷Metadelphene, *in* M-00230
▷Metaglucina, *see* A-00023
▷Metaglycodol, *see* C-00267
▷Metahexamide, M-00146
▷Metahexanamide, *see* M-00146
▷Metahydrin, *see* T-00439
[Met^5,Ala^8]Gastrin, *in* G-00012
[Met^5,Ala^8,$Tyr(SO_3H)^{12}$]Gastrin, *in* G-00012
▷Metalex-*P*, *see* T-00133
Metalkonium(1+), M-00147
▷Metalkonium chloride, *in* M-00147
▷Metallibure, *see* M-00165
Metalol, M-00148
▷Metalol hydrochloride, *in* M-00148
Metalone TBA, *in* P-00412
Metalutin, *see* N-00221
▷Metamelfalan, M-00149
Metamfazone, *see* A-00288
▷Metamfepramone, *see* D-00382
▷Metamfepyramone, *see* D-00382
Metamfetamine, *in* P-00202
▷Metamin, *see* F-00198
▷Metamine, *in* T-00538
▷Metamizole sodium, *in* D-00532
Metampicillin, M-00150
▷Metandienone, *see* M-00167
▷Metandren, *see* H-00154
Metandroden, *see* M-00223
Metaniazide, *in* I-00195
Metanin, *in* P-00455
▷Metanite, *in* T-00554
Metanixin, *in* A-00326
▷Metanor, *see* F-00245
Metaphin (as disodium salt), *in* G-00082
▷Metaplas, *in* H-00088
Metapramine, *in* A-00241
Metaprel, *in* O-00053
▷Metaproterenol, *see* O-00053
Metaproterenol sulfate, *in* O-00053
▷Metaraminol, *in* A-00274
▷Metaraminol bitartrate, *in* A-00274

▷Metasep, *see* C-00235
▷Metaspas, *in* D-00276
▷Metaterol, M-00151
▷Metathion, *see* F-00057
▷Metaxalone, M-00152
Metaxan, *see* D-00397
▷Metaxan, *in* M-00169
▷Metaxine, *see* M-00152
Metazamide, M-00153
Metazide, M-00154
Metazocine, M-00155
Metazosin, M-00156
Metbufen, M-00157
▷Metcaraphen, M-00158
▷Metebanyl, *see* D-00612
▷Metenamine, *see* H-00057
Meteneprost, *in* D-00322
▷Metenolone acetate, *in* M-00178
▷Metergoline, M-00159
Metergotamine, *in* E-00106
Metergotamine tartrate, *in* E-00106
▷Metescufylline, *in* D-00332
Metesculetol sodium, *in* D-00332
▷Metetoin, *see* M-00179
Meteverine hydrochloride, *in* M-00461
Metexuletol, *in* D-00332
▷Metfenrazine, *see* D-00442
▷Metflorylthiadiazine, *see* H-00099
▷Metformin, *see* D-00432
[Met^5]Gastrin, *in* G-00012
▷Methacetin, *in* M-00195
▷Methacholine(1+), M-00160
Methacholine bromide, *in* M-00160
Methacholine chloride, *in* M-00160
▷Methacolimycin, *in* C-00536
▷Methacycline, M-00161
▷Methacycline hydrochloride, *in* M-00161
Methadol, M-00162
▷Methadone, M-00163
▷Methadone hydrochloride, *in* M-00163
Methadyl acetate, BAN, *in* M-00162
▷Methaform, *see* T-00440
▷Methalamic acid, *see* I-00140
▷Methallenestril, *see* M-00164
▷Methallenoestril, M-00164
▷Methallibure, M-00165
Methalthiazide, M-00166
▷Methaminodiazepoxide, *see* C-00200
Methamphazone, *see* A-00288
Methampicillin, *see* M-00150
Methampyrone, *see* D-00532
▷Methanal, *see* F-00244
▷Methandienone, M-00167
Methandriol, *in* M-00225
Methandriolbisenanthoyl acetate, *in* M-00225
Methandriol propionate, *in* M-00225
Methandrostenediolone, *see* O-00152
▷Methandrostenolone, *see* M-00167
▷Methanearsonic acid, *see* M-00226
Methanediphosphonic acid, M-00168
Methaniazide, *in* I-00195
Methanopyranorin, *see* C-00599
Methantheline(1+), M-00169
▷Methantheline bromide, *in* M-00169
▷Methanthelinium bromide, *in* M-00169
▷Methaphenilene, M-00170
▷Methapyrilene, M-00171
▷Methaqualone, M-00172
▷Metharbital, *see* M-00173
▷Metharbitone, M-00173
Methasquin, M-00174
▷Methastyridone, M-00175
Methazide, *see* M-00154
▷Methazolamide, M-00176
Methazolastone, *see* T-00064
▷Methdilazine, M-00177
▷Methdilazine hydrochloride, *in* M-00177
▷Methebanyl, *see* D-00612
▷Methedrine, *in* P-00202
▷Methenamine, *see* H-00057
Methenamine hippurate, *in* H-00057
Methenamine mandelate, *in* H-00057
Methenolone, M-00178
▷Methenolone acetate, *in* M-00178
Methenolone enanthate, *in* M-00178
Metheph, *in* D-00418
Metheptazine, *in* H-00050
▷Methepton, *in* M-00256
▷Methergin, *in* M-00254
▷Methergoline, *see* M-00159
▷Methescutol, *in* D-00332
Methestrol, *see* P-00479
Methestrol dipropionate, *in* P-00479
▷Methetharimide, *in* E-00203
Methethoheptazine, *in* H-00048
▷Methetoin, M-00179
Met-HGH, *see* S-00099
Methicillin, M-00180
▷Methicillin sodium, *in* M-00180
▷Methimazole, *see* D-00289
Methindizate, M-00181
▷Methiodal sodium, *in* I-00106
Methiodine, *see* R-00059
Methioflurane, *see* D-00184
Methiomeprazine, M-00182
Methionamine, *see* A-00036
Methionine, M-00183
Methionyl bovine growth hormone, *in* S-00099
N-L-Methionyl growth hormone (human), *see* S-00099
Methionyl porcine growth hormone, *in* S-00099
N-L-Methionylsomatotropin (human), *see* S-00099
N-L-Methionylsomatropin(ox), *in* S-00099
▷Methioplegium, *in* T-00498
▷Methiothepine, *see* M-00324
▷Methisazone, *in* M-00264
▷Methisoprinol, *in* I-00073
▷Methitural, M-00184
▷Methixart, *in* M-00185
▷Methixene, M-00185
▷Methixene hydrochloride, *in* M-00185
Methobenzorphan, *see* M-00155
▷Methocarbamol, *in* G-00095
▷Methocidin, M-00186
▷Methocillin *S*, *in* C-00515
Methocinnate, *see* C-00378
Methoestrolum, *see* P-00479
▷Methofadine, *see* S-00197
Methohexital, *see* M-00187
▷Methohexital sodium, *in* M-00187
Methohexitone, M-00187
▷Methoin, M-00188
▷Methophenazin, *in* P-00129
▷Methopholine, *see* M-00328
Methoprene, M-00189
▷Methopromazine, M-00190
Methopyranorin, *see* C-00599
▷Methopyrimazole, *see* E-00083
▷Methorin, *see* F-00130
▷Methorphinan, *in* H-00166
▷Methosarb, *in* H-00123
▷Methoserpidine, M-00191
▷Methotrexate, M-00192
Methotrimeprazine, M-00193
▷Methoxa-Dome, *see* X-00007
▷Methoxamedrine, *see* M-00194
▷Methoxamine, M-00194
▷Methoxamine hydrochloride, *in* M-00194
Methoxin, *in* M-00326
5-Methoxine, *see* H-00176
▷Methoxinol, *in* M-00331
Methoxital, *see* M-00187
▷Methoxsalen, *see* X-00007

2-Methoxyacetophenone, *in* H-00107
ω-Methoxyacetophenone, *in* H-00107
▷[[2-[(Methoxyacetyl)amino]-4-(phenylthio)phenyl]-carbonimidoyl]biscarbamic acid dimethyl ester, *see* F-00021
10-Methoxyajmalicine, *in* A-00087
(2-Methoxyallyl)trimethyl ammonium, *see* M-00216
▷4-Methoxyaniline, M-00195
5-Methoxyanthranilic acid, *in* A-00262
Methoxyaprindine, *see* M-00459
3-Methoxy-8-aza-19-norpregna-1,3,5(10)-trien-20-yn-17-ol, *see* E-00128
3-Methoxybenzaldehyde *O*-[2-hydroxy-3-[4-(2-methoxyphenyl)-1-piperazinyl]propyl]oxime, *see* P-00111
▷4-Methoxybenzenamine, *see* M-00195
5-Methoxy-1,3-benzenediol, *in* B-00076
2-Methoxybenzoic acid, M-00196
4-Methoxybenzoic acid 2-(acetyloxy)-4-[2-[(1,1-dimethylethyl)-amino]-1-hydroxyethyl]phenyl ester, *see* N-00157
7-Methoxy-2*H*-1-benzopyran-2-one, *in* H-00114
1-(6-Methoxy-2-benzothiazolyl)-3-phenylurea, *see* F-00264
4-[[4-(4-Methoxybenzoyl)-1-piperazinyl]acetyl]morpholine, *see* M-00424
1-(4-Methoxybenzoyl)-2-pyrrolidinone, M-00197
2-Methoxybenzyl alcohol, *in* H-00116
α-(α-Methoxybenzyl)-4-(β-methoxyphenethyl)-1-piperazineethanol, *see* Z-00023
4-Methoxy-[2,2′-bipyridine]-6-carboxaldehyde oxime, *see* C-00006
4-Methoxybutanoic acid, *in* H-00118
9-Methoxycamptothecin, *in* C-00024
10-Methoxycamptothecin, *in* C-00024
2-[3-Methoxycarbonyl-2-[2-nitro-5-(propylthio)phenyl]-guanidino]ethanesulphonic acid, *see* N-00079
3β-Methoxy-5-cholestene, *in* C-00306
▷(9*S*)-6′-Methoxycinchonan-9-ol, *see* Q-00027
▷(8α,9*R*)-6′-Methoxycinchonan-9-ol, *see* Q-00028
▷5-*p*-Methoxycinnamoyl-4,7-dimethoxy-6-(2-dimethylaminoethoxy)benzo[*b*]furan, *see* M-00043
7-Methoxycoumarin, *in* H-00114
17-[(1-Methoxycyclohexyl)oxy]androst-1-en-3-one, *see* M-00130
▷10-Methoxydeserpidine, *see* M-00191
1-(8-Methoxydibenz[*b,f*]oxepin-10-yl)-4-methylpiperazine, *see* M-00338
6-(α-Methoxy-3,4-dichlorophenylacetamido)penicillanic acid, *see* C-00470
5-Methoxy-6,6-dimethoxy-4-cyclohexene-1,3-dione, *in* D-00427
2-Methoxy-*N*,α-dimethylbenzeneethanamine, *see* M-00211
▷10-Methoxy-1,6-dimethylergoline-8β-methanol 5-bromonicotinate, *see* N-00089
▷(8β)-10-Methoxy-1,6-dimethylergoline-8-methanol 5-bromo-3-pyridinecarboxylate, *see* N-00089
O-Methoxy-*N*,α-dimethylphenethylamine, *see* M-00211
7-Methoxy-α,10-dimethyl-10*H*-phenothiazine-2-acetic acid, *see* P-00539
▷2-Methoxy-*N*,*N*-dimethyl-10*H*-phenothiazine-10-propanamine, *see* M-00190
N-(2-Methoxy-4,6-dimethylphenyl)-2-methyl-1-piperidinepropanamide, *see* V-00001
▷9-Methoxy-5,11-dimethylpyrido[4,3-*b*]carbazole, *see* M-00198
1-(7-Methoxy-2,4-dimethyl-3-quinolinyl)ethanone, *see* A-00037
2-Methoxy-*N*,*N*-dimethyl-$\Delta^{9,\gamma}$-xanthenepropylamine, *see* D-00383
N-(3-Methoxy-3,3-diphenylpropyl)allylamine, *see* A-00119
4-Methoxy-2,2′-dipyridyl-6-aldoxime, *see* C-00006
▷Methoxydone, *see* M-00095
11-Methoxyeburnamonine, *in* E-00003
▷9-Methoxyellipticine, M-00198
3-Methoxyestra-1,3,5(10)-triene-16α,17α-diol, *see* E-00080
N-[2-(2-Methoxyethoxy)ethyl]-1,4-benzodioxan-2-methylamine, *see* A-00168
▷*N*-[5-(2-Methoxyethoxy)-2-pyrimidinyl]benzenesulfonamide, *see* G-00075
3,3′-(2-Methoxyethylidene)bis[4-hydroxy-2*H*-1-benzopyran-2-one, *see* C-00573
▷1-[4-(2-Methoxyethyl)phenoxy]-3-[(1-methylethyl)amino]-2-propanol, *see* M-00334
▷2-(2-Methoxyethyl)pyridine, M-00199
▷Methoxyflurane, *see* D-00183
▷9-Methoxy-7*H*-furo[3,2-*g*][1]benzopyran-7-one, *see* X-00007
▷9-Methoxyfuro[3,2-*g*]chromen-7-one, *see* X-00007
▷8-Methoxy-4′,5′:6,7-furocoumarin, *see* X-00007
8-[2-Methoxy-3-(hydroxymercuri)propylcoumarin-3-carboxylic acid, *see* M-00123
4-Methoxy-β-hydroxyphenethylamine, *in* O-00022
7-Methoxyisoflavone, *in* H-00144
3-Methoxyisoprenaline, *see* M-00323
6-Methoxy-3-(4-methoxybenzoyl)-2-methyl-1*H*-indole-1-acetic acid, *see* D-00620
5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-sulfinyl]benzimidazole, *see* O-00044
5-Methoxy-2-[[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-thio]-1*H*-benzimidazole, *see* U-00003
1-Methoxy-2-(methoxymethyl)benzene, *in* H-00116
▷4-Methoxy-2-(5-methoxy-3-methyl-1*H*-pyrazol-1-yl)-6-methylpyrimidine, *see* E-00083
4′-Methoxy-2-methylaminopropiophenone, *see* M-00210
4-Methoxy-*N*-methylaniline, *in* M-00195
2-Methoxy-3-methylbenzoic acid, *in* H-00155
▷3-Methoxy-4,5-methylenedioxyamphetamine, *see* M-00201
6-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, *in* H-00160
8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00200
▷1-Methoxy-6,7-methylenedioxy-4-oxo-1*H*-quinoline-3-carboxylic acid, *see* M-00377
▷1-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propylamine, M-00201
▷2-(Methoxymethylene)-3-methyl-6-phenyl-3,5-hexadienoic acid methyl ester, *see* M-00469
▷5-Methoxy-2-methylindole-3-acetohydroxamic acid, *see* D-00032
▷3-Methoxy-α-methyl-4,5-methylenedioxybenzeneethanamine, *see* M-00201
▷3-Methoxy-α-methyl-4,5-methylenedioxyphenethylamine, *see* M-00201
6-Methoxy-α-methyl-2-naphthaleneacetic acid, *see* N-00048
6-Methoxy-β-methyl-2-naphthaleneethanol, *see* M-00207
5-Methoxy-2-methyl-1,4-naphthoquinone, *in* H-00167
5-Methoxy-2-methyl-1-nicotinoylindole-3-acetic acid, *see* N-00152
▷α-(Methoxymethyl)-2-nitro-1*H*-imidazole-1-ethanol, *see* M-00395
[2-[(9-Methoxy-7-methyl-5-oxo-5*H*-furo[3,2-*g*][1]benzopyran-4-yl)oxy]ethyl]trimethylammonium(1+), M-00202
2-[(9-Methoxy-7-methyl-5-oxo-5*H*-furo[3,2-*g*][1]benzopyran-4-yl)oxy]-*N*,*N*,*N*-trimethylethanaminium, *see* M-00202
▷3-[[4-[5-(Methoxymethyl)-2-oxo-3-oxazolidinyl]phenoxy]-methyl]benzonitrile, *see* C-00352
▷α-[4-(5-Methoxymethyl)-2-oxo-3-oxazolidinyl]phenoxy]-*m*-tolunitrile, *see* C-00352
▷5-Methoxy-2-methyl-1-(1-oxo-3-phenyl-2-propenyl)-1*H*-indole-3-acetic acid, *see* C-00369
2-(Methoxymethyl)phenol, *in* H-00116
▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane, M-00203
4-(Methoxymethyl)-6-(phenylmethoxy)-9*H*-pyrido[3,4-*b*]-indole-3-carboxylic acid 1-methylethyl ester, *see* A-00001
5-Methoxy-2-methyl-1-(phenylmethyl)-1*H*-indole-3-ethanamine, *see* B-00036
4-Methoxy-*N*-[2-[2-(1-methyl-2-piperidinyl)ethyl]phenyl]-benzamide, *see* E-00044
▷2-Methoxy-10-[2-(1-methyl-2-piperidyl)ethyl]phenothiazine, *see* O-00164
1-Methoxy-2-methylpropane, M-00204
2-Methoxy-2-methylpropyl isocyanide, M-00205

▷4-Methoxy-*N*-[5-(2-methylpropyl)-1,3,4-thiadiazol-2-yl]-benzenesulfonamide, *see* I-00180
5-Methoxy-2-methyl-1-(3-pyridinylcarbonyl)-1*H*-indole-3-acetic acid, *see* N-00152
1-[(2-Methoxy-6-methyl-3-pyridinyl)methyl]-2-aziridinecarbonitrile, *see* C-00318
▷N^1-(6-Methoxy-2-methyl-4-pyrimidinyl)sulfanilamide, *see* S-00197
Methoxymethyl salicylate, *in* H-00112
▷2-[2-Methoxy-4-(methylsulfinyl)phenyl]-1*H*-imidazo[4,5-*b*]-pyridine, *see* S-00227
2-[2-Methoxy-4-(methylsulfinyl)phenyl]-1*H*-imidazo-[4,5-*c*]-pyridine, *see* I-00190
9-[[2-Methoxy-4-[(methylsulfonyl)amino]phenyl]amino]-*N*,5-dimethyl-4-acridinecarboxamide, *see* M-00239
N-[4-(Methoxymethyl)-1-[2-(2-thienyl)ethyl]-4-piperidinyl]-*N*-phenylpropanamide, *see* S-00177
2-[(2-Methoxy-4-methylthio)phenyl]-1*H*-imidazo[4,5-*b*]-pyridine, *in* S-00227
▷β-Methoxy-*N*-methyl-3-(trifluoromethyl)benzeneethanamine, *see* F-00145
7-Methoxy-8-methyltropinium benzilate, *see* T-00551
4′-Methoxymucidin, *in* M-00469
4-(6-Methoxy-2-naphthalenyl)-2-butanone, M-00206
▷2-Methoxy-1,4-naphthoquinone, *in* H-00178
3-(4-Methoxy-1-naphthoyl)propionic acid, *see* M-00208
▷3-(6-Methoxy-2-naphthyl)-2,2-dimethylpentanoic acid, *see* M-00164
2-(6-Methoxy-2-naphthyl)propanoic acid, *see* N-00048
2-(6-Methoxy-2-naphthyl)-1-propanol, M-00207
▷1-Methoxy-3-(2-nitro-1-imidazolyl)-2-propanol, *see* M-00395
8-Methoxy-6-nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, *see* M-00200
10-Methoxy-6-nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, *in* H-00160
5-Methoxy-N-methyltryptamine, *in* H-00218
▷11β-Methoxy-19-nor-17α-pregna-1,3,5(10)-trien-20-yne-3,17-diol, *see* M-00463
▷3-Methoxy-19-norpregna-1,3,5(10)-trien-20-yn-17-ol, *see* M-00138
4-Methoxy-γ-oxo-1-naphthalenebutanoic acid, M-00208
2-Methoxy-11-oxo-11*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, M-00209
Methoxyphedrine, M-00210
Methoxyphenamine, M-00211
▷Methoxyphenamine hydrochloride, *in* M-00211
▷6-Methoxy-1-phenazinol 5,10-dioxide, *see* H-00152
2-[3-[(*m*-Methoxyphenethyl)methylamino]propyl]-2-(*m*-methoxyphenyl)tetradecanenitrile, *see* A-00392
▷4-(β-Methoxyphenethyl)-α-phenyl-1-piperazinepropanol, *see* E-00094
▷4-Methoxyphenol, *in* B-00074
▷*m*-Methoxyphenol, *in* B-00073
Methoxyphenoserpine, *see* M-00066
▷1-[3-(2-Methoxy-10*H*-phenothiazin-10-yl)-2-methylpropyl]-4-piperidinol, *see* P-00122
▷1-[2-[2-[2-(2-Methoxyphenoxy)ethoxy]ethoxy]ethyl]piperidine, *see* G-00092
γ-(2-Methoxyphenoxy)-*N*-methylbenzenepropanamine, *see* N-00160
2-(2-Methoxyphenoxy)-2-methyl-4*H*-1,3-benzodioxan-4-one, *see* G-00094
1-(2-Methoxyphenoxy)-3-[(1-methylethyl)amino]-2-propanol, *see* M-00435
3-[(4-Methoxyphenoxy)methyl]-1-methyl-4-phenylpiperidine, *see* F-00030
▷5-[(2-Methoxyphenoxy)methyl]-2-oxazolidinone, *see* M-00095
▷3-(2-Methoxyphenoxy)-1,2-propanediol, *see* G-00095
N-[2-(3-Methoxyphenoxy)propyl]-3-methylbenzeneethanimidamide, *see* X-00020
N-[2-(*m*-Methoxyphenoxy)propyl]-2-*m*-tolylacetamide, *see* X-00020
2-(*o*-Methoxyphenoxy)triethylamine, *see* G-00091
▷*N*-(4-Methoxyphenyl)acetamide, *in* M-00195
2-Methoxyphenyl 2-(acetyloxy)benzoate, *see* G-00089
[(*p*-Methoxy-α-phenylbenzyl)oxy]-*N*,*N*-dimethylethylamine, *see* M-00059
2-(*o*-Methoxyphenyl)-3,3-diphenyl acrylic acid, *see* A-00394
[(2-Methoxy-1,4-phenylene)bis(iminocarbonothioyl)]-bis-(phosphoramidic acid) tetraethyl ester, *see* I-00027
▷1-Methoxy-2-phenylethane, *in* P-00187
α-[2-(4-Methoxyphenyl)ethenyl]-4-morpholineethanol, *see* M-00337
4-(2-Methoxy-2-phenylethyl)-α-(methoxyphenylmethyl)-1-piperazineethanol, *see* Z-00023
▷4-(2-Methoxy-2-phenylethyl)-α-phenyl-1-piperazinepropanol, *see* E-00094
▷2-(4-Methoxyphenyl)-1,3-indanedione, M-00212
▷2-(4-Methoxyphenyl)-1*H*-indene-1,3(2*H*)-dione, *see* M-00212
1-Methoxy-4-(phenylmethoxy)benzene, *in* B-00124
1-(2-Methoxyphenyl)-4-(3-methoxypropyl)piperazine, *see* D-00395
1-(2-Methoxyphenyl)-2-methylaminopropane, *see* M-00211
1-(4-Methoxyphenyl)-2-methylamino-1-propanone, *see* M-00210
1-(3-Methoxyphenyl)-3-methylaza-7-cyan-7-(3,4,5-trimethoxyphenyl)-nonadecane, *see* D-00004
N-[(4-Methoxyphenyl)methyl]-*N*′,*N*″-dimethylguanidine, *see* M-00093
▷*N*-[(4-Methoxyphenyl)methyl]-*N*′,*N*′-dimethyl-*N*-2-pyridinyl-1,2-ethanediamine, *see* M-00108
▷*N*-[(4-Methoxyphenyl)methyl]-*N*′,*N*′-dimethyl-*N*-2-pyrimidinyl-1,2-ethanediamine, *see* T-00218
N-[(4-Methoxyphenyl)methyl]-*N*′,*N*′-dimethyl-*N*-2-thiazolyl-1,2-ethanediamine, *see* Z-00027
2-(4-Methoxyphenyl)-3-(1-methylethyl)-3*H*-naphth[1,2-*d*]-imidazole, *see* T-00378
1-(*p*-Methoxyphenyl)-5-methyl-4-imidazolin-2-one, *see* M-00153
(4-Methoxyphenyl)[2-methyl-1-[2-(4-morpholinyl)ethyl]-1*H*-indol-3-yl]methanone, *see* P-00402
4-(2-Methoxyphenyl)-α-[[3-(5-methyl-1,3,4-oxadiazol-2-yl)-phenoxy]methyl]-1-piperazineethanol, *see* N-00076
6-Methoxy-*N*-[1-(phenylmethyl)-4-piperidinyl]-1*H*-benzotriazole-5-carboxamide, *see* T-00406
N-[2-[[(4-Methoxyphenyl)methyl]-2-pyrimidinylamino]ethyl]-*N*,*N*-dimethyl-1-hexadecanaminium, *see* T-00217
▷2-(4-Methoxyphenylmethyl)-3,4-pyrrolidinediol 3-acetate, *see* A-00395
4-(4-Methoxyphenyl)-1-morpholino-3-buten-2-ol, *see* M-00337
▷1-[2-[4-[1-(4-Methoxyphenyl)-2-nitro-2-phenylethenyl]-phenoxy]ethyl]pyrrolidine, *see* N-00182
▷1-[2-[*p*-[α-(*p*-Methoxyphenyl)-β-nitrostyryl]phenoxy]ethyl]-pyrrolidine, *see* N-00182
5-(4-Methoxyphenyl)-5-phenyl-3-[3-(4-phenyl-1-piperidinyl)-propyl]-2,4-imidazolidinedione, *see* R-00088
▷7-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]-5*H*-1,3-dioxolo[4,5-*f*]indole, *see* S-00096
3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl -2,4(1*H*,3*H*)-quinazolinedione, M-00213
1-[4-(2-Methoxyphenyl)-1-piperazinyl]-3-(2-naphthyloxy)-2-propanol, *see* N-00025
▷6-[3-[4-(2-Methoxyphenylpiperazin-1-yl)propyl]amino]]-1,3-diamethyluracil, *see* U-00010
▷6-[[3-[4-(2-Methoxyphenyl)-1-piperazinyl]propyl]amino]-1,3-dimethyl-2,4(1*H*,3*H*)-pyrimidinedione, *see* U-00010
γ-Methoxy-γ-phenyl-*N*-2-propenylbenzenepropanamine, *see* A-00119
3-Methoxy-4-phenyl-2(1*H*)-quinolinone, *in* H-00196
o-Methoxyphenyl salicylate acetate, *see* G-00089
[[4-(4-Methoxyphenyl)-2-thiazolyl]amino]oxoacetic acid ethyl ester, *see* T-00307
4-(2-Methoxyphenyl)-α-[(3,4,5-trimethoxyphenoxy)methyl]-1-piperazineethanol, *see* E-00045
▷3-Methoxy-4-(piperidinomethyl)xanthen-9-one, *see* M-00102
▷Methoxypromazine, *see* M-00190
▷1-Methoxypropane, M-00214
2-Methoxy-1,3-propanediol, *in* G-00064
3-Methoxy-1,2-propanediol, *in* G-00064

3-Methoxy-1,2-propanedithiol, *in* D-00385
▷2-Methoxy-4-(2-propenyl)phenol, M-00215
6-Methoxy-*N*-[[1-(2-propenyl)-2-pyrrolidinyl]methyl]-1*H*-benzotriazole-5-carboxamide, *see* A-00122
N-(2-Methoxy-2-propenyl)trimethylammonium(1+), M-00216
17β-Methoxy-3-propoxyestra-1,3,5(10)-triene, *see* P-00477
Methoxypropriocin, *see* N-00048
▷9-Methoxypsoralen, *see* X-00007
▷*N*′-(3-Methoxypyrazinyl)sulfanilamide, *see* S-00198
5-[[*p*-[(6-Methoxy-3-pyridazinyl)sulfamoyl]phenyl]azo]-salicylic acid, *see* S-00008
▷*N*′-(6-Methoxy-3-pyridazinyl)sulfanilamide, *see* S-00246
3-Methoxypyridine, *in* H-00209
2-[[4-(3-Methoxy-2-pyridinyl)butyl]amino]-5-[(6-methyl-3-pyridinyl)methyl]-4(1*H*)-pyrimidinone, *see* I-00014
(6-Methoxy-2-pyridinyl)methylcarbamothioic acid *O*-(5,6,7,8-tetrahydro-2-naphthalenyl) ester, *see* P-00125
▷4′-Methoxypyridoxine, *in* P-00582
▷*N*′-(5-Methoxy-2-pyrimidinyl)sulfanilamide, *see* S-00245
▷N^1-(6-Methoxy-4-pyrimidinyl)sulfanilamide, *see* S-00200
4-Methoxy-2-pyrrolidinecarboxylic acid, *in* H-00210
8-Methoxyquinoline, *in* H-00211
N′-(6-Methoxy-4-quinolinyl)-*N*,*N*-dimethyl-1,2-ethanediamine, M-00217
N-(6-Methoxy-8-quinolinyl)-*N*′-(1-methylethyl)-1,5-pentanediamine, *see* P-00092
▷*N*′-(6-Methoxy-8-quinolinyl)-1,4-pentanediamine, *see* Q-00029
▷N^4-(6-Methoxy-8-quinolinyl)-1,4-pentanediamine, *see* P-00434
▷4-[[6-(6-Methoxy-8-quinolyl)amino]hexyl]-α-methyl-1-piperazinepropanol, *see* M-00465
5-Methoxyresorcinol, *in* B-00076
▷3-Methoxysalicylic acid, *in* D-00315
5-Methoxysalicylic acid, *in* D-00316
(2-Methoxy-5-sulfamoyl)(1-ethyl-2-pyrrolidinyl)acetanilide, *see* I-00213
N^1-(4-Methoxy-1,2,5-thiadiazol-3-yl)sulfanilamide, *see* S-00199
Methoxyticarcillin, *see* T-00062
N-[[6-Methoxy-5-(trifluoromethyl)-1-naphthalenyl]-thioxomethyl]-*N*-methylglycine, *see* T-00370
5-Methoxy-1-[4-(trifluoromethyl)phenyl]-1-pentanone *O*-(2-aminoethyl)oxime, *see* F-00234
5-Methoxy-4′-trifluoromethylvalerophenone (2-aminoethyl)-oxime, *see* F-00234
11-Methoxy-3,7,11-trimethyl-2,4-dodecadienoic acid 1-methylethyl ester, *see* M-00189
4-Methoxy-*N*,*N*,*N*-trimethyl-4-oxo-1-butanaminium, *see* C-00100
2-Methoxy-*N*,*N*,β-trimethyl-10*H*-phenothiazine-10-propanamine, *see* M-00193
9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoic acid, *see* A-00041
9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethylnona-2,4,6,8-tetraen-1-oic acid ethyl amide, *see* M-00456
▷5-Methoxytryptamine, *in* H-00218
3-Methoxytyrosine, *in* A-00248
Methoxyurea, *in* H-00220
5′-Methoxyverapamil, *see* G-00006
6-Methoxy-4-[3-(3-vinyl-4-piperidyl)propyl]quinoline, *see* V-00053
3-(2-Methoxy-9*H*-xanthen-9-ylidene)-*N*,*N*-dimethyl-1-propanamine, *see* D-00383
▷Methphendrazine, *see* D-00442
Methral, *in* F-00201
▷Methrazone, *see* M-00235
▷Methscopolamine bromide, *in* S-00031
▷Methsuximide, *see* D-00447
▷Methyclothiazide, M-00218
▷Methydromorphine, *see* M-00245
Methy-F, *in* D-00418
▷Methyl 6-(acetylthio)-8-[[2-[[(4-amino-2-methyl-5-pyridinyl)-methyl]formylamino]-1-(2-hydroxyethyl)-1-propenyl]dithio]-octanoic acid, *see* O-00023
13-Methylaclacinomycin A, *in* A-00042
α-Methyl-1-adamantanemethylamine, *see* A-00063
2-Methyladenosine, M-00219
4-Methylaesculetin, *see* D-00332
▷β-Methylaesculetin, *see* H-00148
α-Methylallantoin, *in* A-00123
β-Methylallantoin, *in* A-00123
p-[(2-Methylallyl)amino]hydratropic acid, *see* A-00138
▷*N*-(1-Methylallythiocarbamoyl)-*N*′-methyl-thiocarbamoylhydrazine, *see* M-00165
4-(Methylamino)benzenesulfonic acid, *in* A-00213
N-[(Methylamino)carbonyl]-*N*-[[(methylamino)carbonyl]oxy]-acetamide, *see* C-00036
2-[[(Methylamino)carbonyl]oxy]-*N*-phenylbenzamide, *see* A-00389
5-(Methylamino)-4,4-diphenyl-3-heptanol acetate, *see* N-00207
▷2-(Methylamino)ethanol, *in* A-00253
4-[2-(Methylamino)ethyl]-1,2-benzenediol, *see* E-00081
▷α-[1-(Methylamino)ethyl]benzenemethanol, *see* M-00221
4-(β-Methylaminoethyl)catechol, *see* E-00081
4-(2-Methylaminoethyl) *o*-phenylene diisobutyrate, *see* I-00005
▷2-(2-Methylaminoethyl)pyridine, M-00220
4-[2-(Methylamino)ethyl]pyrocatechol, *see* E-00081
Methylaminoformic acid, *see* M-00238
6-Methylaminohexanoic acid, *in* A-00259
▷3-Methylaminoisocamphane, *see* M-00041
5-(Methylamino)-4-(methylcarbamoyl)imidazole, *in* A-00275
α-[(Methylamino)methyl]-9,10-ethanoanthracene-9(10*H*)-ethanol, *see* O-00092
Methyl α-(aminomethyl)-5-methoxy-1*H*-indole-3-acetate, *see* I-00070
▷Methyl 8-[[2-[*N*-[(4-amino-2-methyl-5-pyrimidinyl)methyl]-formamido]-1-(2-hydroxyethyl)propenyl]dithio]-6-mercaptooctanoate *S*-acetate, *see* O-00023
6-(Methylamino)-4-oxo-10-propyl-4*H*-pyrano[3,2-*g*]quinoline-2,8-dicarboxylic acid, *see* M-00386
2-Methylamino-1-phenylpropane, *in* P-00202
▷2-Methylamino-1-phenyl-1-propanol, M-00221
1-Methylamino-4-phenyltetralin, *see* T-00021
3-Methylamino-1,2-propanediol, *in* A-00317
▷7-(3-Methylaminopropyl)-1,2:5,6-dibenzocycloheptatriene, *see* P-00544
▷5-(3-Methylaminopropyl)-5*H*-dibenzo[*a*,*d*]cycloheptene, *see* P-00544
▷5-(3-Methylaminopropylidene)dibenzo[*a*,*d*]cyclohepta-1,4-diene, *see* N-00224
9-(3-Methylaminopropylidene)-10,10-dimethyl-9,10-dihydroanthracene, *see* L-00061
▷4-[2-(Methylamino)propyl]phenol, M-00222
▷Methylaminopterin, *see* M-00192
O-Methylamphetamine, *see* O-00065
1-Methylandrosta-1,4-diene-3,17-dione, M-00223
1-Methylandrosta-4,16-dien-3-one, M-00224
17-Methyl-2′*H*-androsta-2,4-dieno[3,2-*c*]pyrazol-17β-ol, *see* H-00212
▷17α-Methyl-5α-androstano[2,3-*c*]furazan-17β-ol, *see* F-00283
▷17α-Methylandrostanolone, *see* M-00136
▷17-Methylandrostano[2,3-*c*][1,2,5]oxadiazol-17-ol, *see* F-00283
▷17-Methylandrost-5-ene-3,17-diol, M-00225
17-Methyl-2′*H*-androst-2-eno[3,2-*c*]pyrazol-17-ol, *see* S-00139
N-Methyl-*N*-antipyrinylnicotinamide, *see* M-00273
Methyl aristolochate, *in* M-00200
▷Methylarsonic acid, M-00226
Methyl aspartylphenylalanine, *see* A-00460
12-*O*-Methylatherospermoline, *in* F-00017
6-Methylatophan, *see* M-00295
▷Methylatropine nitrate, *in* T-00554
8-Methyl-8-azabicyclo[3.2.1]oct-3-yl 4-(acetyloxy)-α-phenylbenzenepropanoate, *see* T-00556
Methylbenactyzium(1+), M-00227
Methylbenactyzium bromide, *in* M-00227

▷α-Methylbenzeneethanamine, *see* P-00202
▷β-Methylbenzeneethanamine, *see* P-00203
▷4-Methylbenzenesulfonic acid, M-00228
▷*N*-(4-Methylbenzenesulfonyl)-*N'*-(3-azabicyclo[3.3.0]oct-3-yl)-urea, *see* G-00037
Methylbenzethonium(1+), M-00229
▷Methylbenzethonium chloride, *in* M-00229
▷Methyl benzoate, *in* B-00092
▷α-Methyl-1,3-benzodioxole-5-ethanamine, *see* T-00066
▷13-Methyl[1,3]benzodioxolo[5,6-*c*]-1,3-dioxolo[4,5-*i*]-phenanthridinium(1+), *see* S-00022
▷3-Methylbenzoic acid, M-00230
3-Methyl-4*H*-1-benzopyran-4-one, M-00231
▷α-Methyl-5*H*-[1]benzopyrano[2,3-*b*]pyridine-7-acetic acid, *see* P-00400
Methyl benzoquate, M-00232
2-[(2-Methylbenzo[*b*]thien-3-yl)methyl]-2-imidazoline, *see* M-00347
Methyl 3-(benzoyloxy)-8-methyl-8-azabicyclo[3.2.1]octane-2-carboxylate, *see* C-00523
3-(α-Methylbenzyl)carbazic acid, M-00233
α-Methylbenzyl 3-(dimethoxyphosphinyloxy)isocrotonate, *see* C-00571
▷(α-Methylbenzyl)hydrazine, *see* P-00188
3-[(*p*-Methylbenzylidene)amino]-4-phenyl-4-thiazoline-2-thione, *see* F-00099
▷1-(α-Methylbenzyl)-5-imidazole-carboxylic acid methyl ester, *see* M-00331
▷*N*-(α-Methylbenzyl)linoleamide, *see* M-00080
Methyl 7-benzyloxy-6-butyl-1,4-dihydro-4-oxoquinoline-3-carboxylate, *see* M-00232
2-[1-(*p*-Methylbenzyl)-4-piperidyl]-2-phenylglutarimide, *see* M-00079
▷5-Methyl-2,3:7,8-bis(methylenedioxy)benzo[*c*]-phenanthindinum(1+), *see* S-00022
4-Methyl-5,7-bis(2-morpholinoethoxy)coumarin, *see* M-00464
4-Methyl-5,7-bis[2-(4-morpholinyl)ethoxy)-2*H*-1-benzopyran-2-one, *see* M-00464
4-Methyl-6,7-bis(sulfooxy)-2*H*-1-benzopyran-2-one, *in* D-00332
8-*O*-Methylbostrycoidin, *in* B-00259
Methyl 11-bromo-14,15-dihydro-14-hydroxyeburnamenine-14-carboxylate, *see* B-00331
2-Methyl-2-butenoic acid 8-methyl-8-azabicyclo[3.2.1]oct-3-yl ester, *see* T-00270
N-(3-Methyl-2-butenyl)adenosine, M-00234
▷*S*-(3-Methyl-2-butenyl)-L-cysteine, *see* P-00420
▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235
6-(3-Methyl-2-butenyl)-1*H*-indole, M-00236
4-[(3-Methyl-2-butenyl)oxy]-7*H*-furo[3,2-*g*][1]benzopyran-7-one, *see* I-00189
▷9-[(3-Methyl-2-butenyl)oxy]-7*H*-furo[3,2-*g*][1]benzopyran-7-one, *see* I-00045
▷[5-[(3-Methyl-2-butenyl)oxy]-2-[*p*-[(3-methyl-2-butenyl)-oxy]-cinnamoyl]phenoxy]acetic acid, *see* S-00092
▷[5-[(3-Methyl-2-butenyl)oxy]-2-[3-[4-[(3-methyl-2-butenyl)-oxy]phenyl]-1-oxo-2-propenyl]phenoxy]acetic acid, *see* S-00092
4-(3-Methyl-3-butenyloxy)-7-oxofuro[3,2-*g*]chromene, *see* I-00189
▷9-(3-Methyl-2-butenyloxy)-7-oxofuro[3,2-*g*]chromene, *see* I-00045
▷3-[(3-Methyl-2-butenyl)thio]-L-alanine, *see* P-00420
3-Methyl-2-butenyl 2-[[3-(trifluoromethyl)phenyl]amino]-benzoate, *see* P-00415
3-Methyl-2-butenyl *N*-(α,α,α-trifluoro-*m*-tolyl)anthranilate, *see* P-00415
1-[(3-Methylbutoxy)methyl]-2-(4-morpholinyl)ethyl 3,4,5-trimethoxybenzoate, *see* A-00357
1-[2-(3-Methylbutoxy)-2-phenylethyl)pyrrolidine, *see* A-00350
2-[[(3-Methylbutyl)amino]methyl]-1,4-benzodioxan, *see* P-00088
1-(3-Methylbutyl)cyclohexanecarboxylic acid 2-(diethylamino)-ethyl ester, *see* I-00194
▷5-(1-Methylbutyl)-5-[2-(methylthio)ethyl]-2-thiobarbituric acid, *see* M-00184
▷3-Methyl-1-butyl nitrite, M-00237
▷5-(1-Methylbutyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* Q-00011
▷3-Methylbutyl α-[[2-(1-pyrrolidinyl)ethyl]amino]-benzeneacetate, *see* C-00021
5-(1-Methylbutyl)-5-vinylbarbituric acid, *see* V-00046
9β-Methylcarbacyclin, *see* C-00393
Methylcarbamic acid, M-00238
Methylcarbamic chloride, *in* M-00238
Methylcarbamoyl chloride, *in* M-00238
1-(Methylcarbamoyl)-3-[[3-(5-nitro-2-furyl)allylidene]-amino]-2-imidazolidinone, *see* N-00123
4-(*N*-Methylcarboxamido)-5-methylamsacrine, M-00239
▷Methyl CCNU, *see* S-00041
Methyl cellulose, *in* C-00165
Methylcephaeline, *see* E-00036
Methyl cetyl bis[(dimethyl-2',5'-pyrrolidin-1-yl)-3-propyl]-ammonium, *see* P-00357
▷Methyl 6-chloro-3,4-dihydro-2-methyl-7-sulfamoyl-2*H*-1,2,4-benzothiadiazine-3-carboxylate 1,1-dioxide, *see* C-00079
Methyl 6-[[[(2-chloroethyl)nitrosoamino]carbonyl]amino]-6-deoxy-α-D-glucopyranoside, *see* R-00010
▷Methyl 10-chloro-18β-hydroxy-17α-methoxy-3β,20α-yohimban-16β-carboxylate 3,4,5-trimethoxybenzoate, *see* C-00285
Methyl 2-[(1-chloro-2-naphthalenyl)oxy]propionate, *see* L-00084
▷Methylchloroquine, M-00240
Methyl-7-chloro-6,7,8-trideoxy-6-[[(4-pentyl-2-pyrrolidinyl)-carbonyl]amino]-1-thio-L-*threo*-α-D-*galacto*-octopyranoside, *see* M-00393
24*S*-Methyl-5,7,22*E*-cholestatrien-3β-ol, *see* E-00105
α-Methylcholine, *see* H-00217
2-Methyl-3-chromanamine, *see* A-00245
Methylchromone, *see* M-00231
3-Methylchromone, *see* M-00231
6-Methylcinchophene, *see* M-00295
Methyl citrate, *in* C-00402
▷Methylcloxazolam, *see* M-00350
Methylcobalamin, M-00241
Methylcobinamide hydroxide dihydrogen phosphate(ester) inner salt 3'-ester with 5,6-dimethyl-1-α-D-ribofuranosyl-1*H*-benzimidazole, *see* M-00241
▷Methylcoffanolamine, *see* C-00008
N-Methylcolchicine, *in* D-00062
N'-Methylcoramine, *see* D-00241
4'-*O*-Methylcoumestrol, *in* C-00558
6-Methylcrotsparine, *in* G-00029
▷β-Methylcyclohexaneacrylic acid, *see* C-00605
6-Methyl-16,17-cyclohexaneprogesterone, *see* A-00038
6-Methylcyclohexano[1',2';16,17]pregn-4-ene-3,20-dione, *see* A-00038
N-[[(4-Methylcyclohexyl)amino]carbonyl]-4-[2-[[(methyl-2-pyridinylamino)carbonyl]amino]ethyl]benzenesulfonamide, *see* G-00044
p-(2-Methylcyclohexyl)hydratropic acid, *see* M-00354
Methyl 7-[2-(5-cyclohexyl-3-hydroxy-1-pentynyl)-3,5-dihydroxycyclopentyl]-5-heptenoic acid, *see* A-00110
5-[[4-[(1-Methylcyclohexyl)methoxy]phenyl]methyl]-2,4-thiazolidinedione, *see* C-00339
▷*N*-Methyl-2-cyclohexyl-2-propylamine, M-00242
Methyl[5-(cyclohexylthio)-1*H*-benzimidazol-2-yl]carbamate, *see* D-00602
α-Methylcyclopentaneethanamine, *see* A-00232
Methyl cysteine, *in* C-00654
▷*N*-Methyldeacetylcolchicine, *see* D-00062
6-Methyl-Δ⁶-deoxymorphine, *see* M-00243
Methyldesomorphine, *see* M-00243
Methyldesorphine, M-00243
▷*N*-Methyl-5*H*-dibenzo[*a,d*]cycloheptene-5-propanamine, *see* P-00544
N-Methyldibenzylamine, M-00244
Methyl 2,10-dichloro-12*H*-dibenzo[*d,g*][1,3]dioxocin-6-carboxylate, *see* T-00408
Methyl 2-[2-(diethylamino)acetamido]-*m*-toluate, *see* T-00373

Methyl 2-[[(diethylamino)acetyl]amino]-3-methylbenzoate, *see* T-00373
S-Methyl 6,9-difluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate, *see* T-00253
▷β-Methyldigoxin, *in* D-00275
▷Methyldihydromorphine, M-00245
▷Methyldihydromorphinone, *see* M-00333
Methyl 5-[3,6-dihydro-1(2*H*)-pyridinyl]-2-oxo-2*H*-[1,2,4]-oxadiazolo[2,3-*a*]pyrimidin-7-ylcarbamate, *see* C-00098
▷Methyl 11,15-dihydroxy-16,16-dimethyl-9-oxoprosta-2,13-dien-1-oate, *see* G-00015
Methyl 7-[3,5-dihydroxy-2-(3-hydroxy-3-methyl-1-octenyl)-cyclopentyl]-4,5-heptadienoate, *see* P-00529
Methyl 3,5-dihydroxy-2-[(3-hydroxy-4-phenoxy-1-butenyl)-cyclopentyl]4,5-heptadienoate, *see* F-00074
Methyl 11,16-dihydroxy-16-methyl-9-oxoprosta-4,13-dien-1-oate, *see* E-00057
Methyl 11,16-dihydroxy-16-methyl-9-oxoprost-13-enoate, *see* M-00396
Methyl 11,15-dihydroxy-9-oxo-16-phenoxy-17,18,19,20-tetra-norprosta-4,5,13-trienoate, *see* E-00067
α-Methyl-3,4-dihydroxyphenylalanine, *see* M-00249
N-Methyl-2-(3,4-dihydroxyphenyl)ethylamine, *see* E-00081
Methyl dihydroxyphosphinylacetate, *in* P-00215
Methyl (dihydroxyphosphinyl)formate, *in* P-00216
Methyl 2-(dimethoxyphosphinyl)oxybenzoate, *in* P-00217
Methyl 2,5-di-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058
Methyl 2,5-di-*O*-methyl-β-D-glucopyranosiduronamide, *in* G-00058
▷2-Methyl-3,5-dinitrobenzamide, *in* M-00246
▷2-Methyl-3,5-dinitrobenzoic acid, M-00246
Methyldioxatrine, *in* M-00079
p-Methyldiphenhydramine, M-00247
γ-Methyl-α,α-diphenyl-1-piperidinepropanol, *see* D-00507
1-Methyl-3,3-diphenylpropylamine, *see* D-00489
4-Methyl-*N*,*N*-dipropylbenzenesulfonamide, *in* M-00228
▷2-Methyl-1,2-di-3-pyridyl-1-propanone, M-00248
Methyldopa, *in* M-00249
α-Methyldopa, M-00249
N-Methyldopamine, *see* E-00081
Methyldopate, *in* M-00249
Methyldopate hydrochloride, *in* M-00249
6-[α-(Methyleneamino)phenylacetamido]penicillanic acid, *see* M-00150
2,2′-Methylenebis[4-chloro-3-methyl-6-(1-methylethyl)phenol], *see* B-00155
▷2,2′-Methylenebis(4-chlorophenol), *see* D-00198
2,2′-Methylenebis[6-chlorothymol], *see* B-00155
▷6,6′-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], M-00250
▷3,3′-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one), M-00251
▷3,3′-Methylenebis-4-hydroxycoumarin, *see* M-00251
3,3′-Methylenebis[6-hydroxy-4-methylbenzenesulfonic acid], *see* D-00216
▷Methylene, *N*,*N*′-bis(hydroxymethyl)urea polymer, *see* P-00385
21,21′-[Methylenebis(2-methoxy-1,3-naphthalenediyl)-carbonyloxy]]bis[9-fluoro-11-hydroxy-16,17-[(1-methylethylidene)bis-(oxy)]pregna-1,4-diene-3,20-dione], *see* F-00196
▷[μ-[[3,3′-Methylenebis[2-naphthalenesulfonato]](2−)]]diphenyldimercury, *see* H-00094
Methylenebisphosphonic acid, *see* M-00168
4,4′-Methylenebis[tetrahydro-2*H*-1,2,4-thiadiazine] 1,1,1′,1′-tetraoxide, *see* T-00032
▷2,2′-Methylenebis[3,4,6-trichlorophenol], *see* H-00039
4,4′-Methylenebis[*N*,*N*,*N*-trimethylcyclohexanaminium], *see* M-00034
▷Methylene Blue, *in* B-00208
(Methylenedi-1,4-cyclohexylene)bis[trimethylammonium], *see* M-00034
▷Methylene diethyl ether, *in* F-00244
▷3,4-Methylenedioxyallylbenzene, *see* A-00131
▷3,4-Methylenedioxyamphetamine, *see* T-00066
1-[(3,4-Methylenedioxy)cinnamoyl]-4-[(1-pyrrolidinylcarbonyl)-methyl]piperazine, *see* C-00379
3,4-(Methylenedioxy)mandelamidine, *see* O-00039
3,4-Methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00252
▷2-(3,4-Methylenedioxyphenyl)ethylamine, M-00253
1-[3-[3,4-(Methylenedioxy)phenyl]propyl]-4-(4-methyl-2-thiazlyl)piperazine, *see* P-00375
Methylenediphosphonic acid, *see* M-00168
▷6-Methyleneoxytetracycline, *see* M-00161
16-Methyleneprednisolone, *see* P-00414
Methylephedrine, *in* D-00418
Methyl-ψ-ephedrine, *in* D-00418
Methyl-13-epicobalamin, *in* M-00241
O-Methyl-18-epireserpic acid methyl ester, *see* M-00336
▷Methylergobasine, *see* M-00254
▷Methylergobrevine, *see* M-00254
2-Methyl-α-ergocryptine, *see* M-00125
Methylergol carbamide, *see* L-00124
6-Methylergoline-8α-acetonitrile, *see* D-00052
N-[(6-Methylergolin-8β-yl)methyl]acetamide, *see* A-00019
▷Methylergometrine, M-00254
▷Methylergonovine, *see* M-00254
▷Methylergonovine maleate, *in* M-00254
1-Methylergotamine, *in* E-00106
6-*O*-Methylerythromycin, *in* E-00115
Methylesculetylethanoic acid, *in* D-00332
17-Methylestradiol, *in* O-00028
17-Methylestra-1,3,5(10)-triene-3,17-diol, *in* O-00028
Methylestrenolone, *see* N-00221
7α-Methylestrone, *in* O-00031
▷4,4′-(1-Methyl-1,2-ethanediyl)bis-2,6-piperazinedione, *see* R-00016
N,*N*′-(1-Methyl-1,2-ethanediyl)bis[3-pyridinecarboxamide], *see* N-00087
▷2,2′-(1-Methyl-1,2-ethanediylidene)-bis[hydrazinecarboximidamide, *see* M-00402
▷1,1′-[(Methylethanediylidene)dinitrilo]diguanidine, *see* M-00402
▷*N*-Methyl-9,10-ethanoanthracene-9(10*H*)-methanamine, *see* B-00090
▷*N*-Methyl-9,10-ethanoanthracene-9(10*H*)-propanamine, *see* M-00021
▷Methyl *O*-(4-ethoxycarbonyloxy-3,5-dimethoxybenzoyl)-reserpate, *see* S-00287
1-[4-[[2-(1-Methylethoxy)ethoxy]methyl]phenoxy]-3-[(1-methylethyl)amino]-2-propanol, *see* B-00233
7-(1-Methylethoxy)-9-oxo-9*H*-xanthene-2-carboxylic acid, *see* I-00201
2-(1-Methylethoxy)-1-phenylethanone, *in* H-00107
2-[2-(1-methylethoxy)phenyl]-4-oxo-4*H*-1-benzopyran-6-carboxylic acid, *see* I-00184
N-[[(1-Methylethyl)amino]carbonyl]-4-[(3-methylphenyl)-amino]-3-pyridinesulfonamide, *see* T-00386
▷2-[(1-Methylethyl)amino]ethanol, *in* A-00253
1-[(1-Methylethyl)amino]-3-[(2-methyl-1*H*-indol-4-yl)oxy]-2-propanol, *see* M-00097
▷α-[[(1-Methylethyl)amino]methyl]-2-naphthalenemethanol, *see* P-00483
▷α-[[(1-Methylethyl)amino]methyl]-4-nitrobenzenemethanol, *see* N-00111
▷1-[(1-Methylethyl)amino]-3-(3-methylphenoxy)-2-propanol, *see* T-00352
α-[[(1-Methylethyl)amino]methyl]-γ-phenylbenzenepropanol, *see* D-00603
1-[(1-Methylethyl)amino]-3-[2-(methylthio)phenoxy]-2-propanol, *see* T-00315
▷1-[(1-Methylethyl)amino]-3-(1-naphthalenyloxy)-2-propanol, *see* P-00514
▷1-[(1-Methylethyl)amino]-3-[4-(2-propenyloxy)phenoxy]-2-propanol, *see* O-00145
▷1-[(Methylethyl)amino]-3-[2-(2-propenyl)phenoxy]-2-propanol, *see* A-00151
9-[3-[(1-Methylethyl)amino]propyl]-9*H*-fluorene-9-carboxamide, *see* I-00054
1-[1-(1-Methylethyl)amino]-3-[2-(1*H*-pyrrol-1-yl)phenoxy]-2-propanol, *see* I-00175

1-[(1-Methylethyl)amino]-3-[(1,2,3,4-tetrahydro-1,4-ethanonaphthalen-5-yl)oxy)-2-propanol, *see* I-00202
1-[(1-Methylethyl)amino]-3-(2-thiazolyloxy)-2-propanol, *see* T-00044
9-(1-Methylethyl)-9-azabicyclo[3.3.1]non-3-yl α-(hydroxymethyl)benzeneacetate, *see* I-00153
[2-(1-Methylethyl)-3-benzofuranyl]-4-pyridinylmethanone, *see* I-00071
1-Methylethyl 4-[3-[(1,1-dimethylethyl)amino]-2-hydroxypropoxy]-1*H*-indole-2-carboxylate, *see* C-00096
N-(1-Methylethyl)-4,4-diphenylcyclohexanamine, *in* D-00490
1-(1-Methylethyl)-4,4-diphenylpiperidine, *see* I-00206
2-Methyl-7-ethyl-4-hendecanol, *see* E-00209
4,4′-[(1-Methylethylidene)bis(thio)bis[2,6-bis(1,1-dimethylethyl)phenol], *see* P-00445
1-(1-Methylethyl)-2-imidazolidinethione, *see* M-00392
[2-(1-Methylethyl)-1*H*-indol-3-yl]-3-pyridinylmethanone, *see* N-00107
▷*N*-(1-Methylethyl)-4-[(2-methylhydrazino)methyl]benzamide, *see* P-00448
N-(1-Methylethyl)-*N*′-[4-(2-methyl-1*H*-imidazol-4-yl)phenyl]-methanimidamide, *see* B-00214
α-(1-Methylethyl)-α-[3-[methyl(2-phenylethyl)amino]propyl]-benzeneacetonitrile, *see* E-00039
N-(1-Methylethyl)-4-[[1-(3-oxo-3-phenylpropyl)-1*H*-benzimidazol-2-yl]methyl]-1-piperazineacetamide, *see* N-00141
2-Methyl-2-ethylpropane-1,3-dioic acid, *see* E-00203
▷5-(1-Methylethyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* A-00430
N-(1-Methylethyl)-2-pyridinamine, *in* A-00325
▷2-(1-Methylethyl)-4-pyridinecarboxylic acid hydrazide, *see* I-00161
1-[(1-Methylethyl)sulfonyl]-6-(1-phenyl-1-propenyl)-1*H*-benzimidazol-2-amine, *see* E-00070
Methyl 3-ethyl-2,3,3*a*,4-tetrahydro-1*H*-indolo[3,2,1-*de*]-[1,5]-naphthyridine-6-carboxylate, *see* V-00036
4-[(1-Methylethyl)thio]-α-[1-(octylamino)ethyl]-benzenemethanol, *see* S-00231
1-[4-[(1-Methylethyl)thio]phenoxy]-3-(octylamino)-2-propanol, *see* T-00317
▷4-(1-Methylethyl)-2-[3-(trifluoromethyl)phenyl]morpholine, *see* O-00076
▷Methyleugenol, *in* M-00215
α-Methylfentanyl, M-00255
α-Methyl-9*H*-fluorene-2-acetic acid, *see* F-00179
▷Methyl [5-(4-fluorobenzoyl)-1*H*-benzimidazol-2-yl]carbamate, *see* F-00133
S-Methyl 9-fluoro-11,17-dihydroxy-16-methyl-3-oxoandrosta-1,4-diene-17-carbothioate, *see* T-00286
Methyl [5-[2-(4-fluorophenyl)-1,3-dioxolan-2-yl]-1*H*-benzimidazol-2-yl]carbamate, *see* E-00232
▷Methyl 6-formyl-4,7,9-trihydroxy-1-phenazinecarboxylate, *see* L-00082
Methyl β-D-furanosidurono-6,3-lactone, *in* G-00059
3-[(5-Methyl-2-furanyl)methyl]-*N*-4-piperidinyl-3*H*-imidazo[4,5-*b*]pyridin-2-amine, *see* N-00194
▷Methyl GAG, *see* M-00402
Methyl galbanate, *in* G-00003
Methylglucamine, *in* D-00082
Methyl α-D-glucofuranosidurono-6,3-lactone, *in* G-00059
Methyl β-D-glucopyranosiduronamide, *in* G-00058
▷*N*-Methyl-L-glucosamidinostreptosidostreptidine, *see* S-00161
1-(*N*-Methylglycine)-5-L-valine-8-L-alanineangiotensin II, *see* S-00023
▷Methylglyoxal, *see* P-00600
▷Methylglyoxal bisguanylhydrazone, *see* M-00402
Methylglyoxime, *in* P-00600
Methyl granaticin, *in* G-00085
6-Methyl-5-hepten-2-amine, M-00256
▷6-Methyl-2-heptylamine, M-00257
(1-Methylheptyl)hydrazine, M-00258
2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline, M-00259
2-Methyl-1,2,3,4,10,14*b*-hexahydro-2*H*-pyrazino[1,2-*f*]-morphanthridine, *see* M-00360
4-Methylhexane-3-carboxylic acid, *see* E-00204
▷1-Methylhexylamine, *see* H-00030
α-Methylhistamine, M-00260
▷Methylhomatropine bromide, *in* H-00082
5(*N*-Methylhydroxyacetylamino)-2,4,6-triiodoisophthalic acid bis-2,3-dihydroxypropylamide, *see* I-00121
▷Methyl 2-hydroxybenzoate, M-00261
▷Methyl 4-hydroxybenzoate, *in* H-00113
Methyl 4-hydroxy-6,7-bis(1-methylethoxy)-3-quinolinecarboxylate, *see* P-00523
Methyl 4-hydroxy-6,7-diisopropoxy-3-quinolinecarboxylate, *see* P-00523
Methyl 18β-hydroxy-11,17α-dimethoxy-3β,20α-yohimban-16-carboxylate (*p*-methoxyphenoxy)acetate, *see* M-00066
Methyl 3-hydroxy-2-[(4-hydroxy-4-methyl-1-octenyl)-5-oxocyclopentyl]-4-heptenoate, *see* E-00057
Methyl 7-[3-hydroxy-2-(4-hydroxy-4-methyl-1-octenyl)-5-oxocyclopentyl]heptanoate, *see* M-00396
Methyl 7-[3-hydroxy-2-(3-hydroxy-4 phenoxy-1-butenyl)-5-oxocyclopentyl]-4,5-heptadienoate, *see* E-00067
Methyl *o*-[2-hydroxy-3-(isopropylamino)propoxy]cinnamate, *see* C-00354
Methyl *p*-[2-hydroxy-3-(isopropylamino)propoxy]-hydrocinnamate, *see* E-00123
Methyl *O*-(4-hydroxy-3-methoxycinnamoyl)reserpate, *see* R-00027
Methyl 4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-benzenepropanoate, *see* E-00123
Methyl [2-[4-[2-hydroxy-3-[(1-methylethyl)amino]propoxy]-phenyl]ethyl]carbamate, *see* P-00008
Methyl 3-[2-[2-Hydroxy-3-[(1-methylethyl)amino]propoxy]-phenyl-2-propenoate, *see* C-00354
N-Methyl-*trans*-4-hydroxy-L-proline, *in* H-00210
▷Methyl (16α,17α)-17-hydroxyyohimban-16-carboxylate, *see* Y-00002
▷*N*-Methylhygromycin *B*, *in* D-00103
2,2′,2″-[Methylidynetris(thio)]tris[acetic acid], *see* M-00262
(Methylidynetrithio)triacetic acid, M-00262
α-Methyl-1*H*-imidazole-4-ethanamine, *see* M-00260
▷1-Methylimidazole-2-thiol, *see* D-00289
2-Methyl-3(Δ²-imidazolinylmethyl)benzo[*b*]thiophene, *see* M-00347
2-[2-(5-Methyl-4-imidazolylmethylthio)ethylamino]-5-piperonyl-4(1*H*)pyrimidone, *see* O-00124
[4-(2-Methyl-1*H*-imidazol-5-yl)-2-thiazolyl]guanidine, *see* Z-00004
2,2′-(Methylimino)bis[*N*-ethyl-*N*,*N*-dimethylethanaminium], *see* A-00499
[(Methylimino)diethylene]bis[ethyldimethylammonium], *see* A-00499
2-Methyl-1*H*-indole-3-acetamide, *in* M-00263
2-Methyl-3-indoleacetic acid, M-00263
2-Methyl-1*H*-indole-3-acetonitrile, *in* M-00263
▷1-Methyl-1*H*-indole-2,3-dione, *see* M-00264
Methyl ipolearoside, *in* I-00152
▷1-Methylisatin, M-00264
1-Methyl-3-isobutyl-8-[[4-diphenylmethyl 2-piperazinyl]ethyl]-xanthine, *see* L-00010
Methylisochondodendrine, *see* C-00590
Methylisoephedrine, *in* D-00418
1-Methylisoguanosine, M-00265
▷Methylisooctenylamine, *in* M-00256
N′-(3-Methyl-5-isothiazolyl)sulfanilamide, *see* S-00255
▷5-Methyl-3-isoxazolecarboxylic acid 2-benzylhydrazide, *see* I-00181
▷3-Methyl-4,5-isoxazoledione 4-[(2-chlorophenyl)hydrazone], *see* D-00601
1-[(5-Methyl-4-isoxazolyl)carbonyl]piperidine, *see* N-00074
▷*N*′-(5-Methyl-3-isoxazolyl)sulfanilamide, *see* S-00244
6-(*N*-Methyl-L-leucine)-7-L-norvalinecyclosporin *A*, *in* C-00638
5-(*N*-Methyl-L-leucyl)etamycin *A*, *in* V-00055
N-Methyllorazepam, *see* L-00097
▷Methylmeprobamate, *see* M-00039

▷Methylmercadone, *see* N-00118
4-Methylmercapto-2-aminobutyric acid, *see* M-00183
▷4-Methylmercapto-3-methylphenyl dimethyl thiophosphate, *see* F-00078
1-Methyl-3-(mesylmethyl)-1*H*-1,2,4-triazol-5-yl[3-(α-piperidino-*m*-tolyloxy)propyl]amine, *see* S-00179
3-Methyl-8-methoxy-3*H*-1,2,5,6-tetrahydropyrazino(1,2,3-*ab*)-β-carbolin, *see* M-00340
N-Methyl-*N*′-methyl-2′-allyl-2-benzoyl-4-chloroglycinanilide, *see* D-00465
▷1-Methyl-6-(1-methylallyl)-2,5-dithiobiurea, *see* M-00165
5-Methyl-10-[2-(methylamino)ethyl]-5*H*-dibenz[*b,f*]azepine, *see* A-00181
▷2-Methyl-6-methylamino-2-heptene, *in* M-00256
N-Methyl-5-(methylamino)-1*H*-imidazole-4-carboxamide, *in* A-00275
3-Methyl-3-[3-(methylamino)propyl]-1-phenylindoline, *see* D-00006
3-Methyl-3-[3-(methylamino)propyl]-1-phenyl-2-indolinone, *see* A-00179
1-Methyl-*N*-(9-methyl-9-azabicyclo[3.3.1]non-3-yl)-1*H*-indazole-3-carboxamide, *see* G-00086
▷1-Methyl-5-(4-methylbenzoyl)-1*H*-pyrrole-2-acetic acid, *see* T-00353
3-[3-Methyl-1-(3-methyloutylcarbamoyl)butylcarbamoyl]-2-oxiranecarboxylic acid, M-00266
6-Methyl-*N*-(3-methylbutyl)-2-heptanamine, *see* O-00013
▷6-Methyl-2-(4-methyl-3-cyclohexen-1-yl)-5-hepten-2-ol, *see* B-00184
α-Methyl-4-(2-methylcyclohexyl)benzeneacetic acid, *see* M-00354
1-Methyl-3-[*p*-[[3-(4-methylcyclohexyl)ureido]sulfonyl]-phenethyl]-1-(2-pyridyl)urea, *see* G-00044
▷α-Methyl-3,4-(methylenedioxy)phenethylamine, *see* T-00066
1-[α-Methyl-3,4-(methylenedioxy)phenethyl]-4-(4-methyl-2-thiazolyl)piperazine, *see* P-00375
▷1-Methyl-3-(3,4-methylenedioxyphenyl)propylhydrazine, *see* S-00003
▷3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline, M-00267
6-Methyl-5-(2-methylene-1-oxobutyl)-2-benzofurancarboxylic acid, *see* F-00277
3-Methyl 5-(1-methylethyl) 2-cyano-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, *see* N-00144
α-[4-[Methyl(1-methylethyl)cyclohexyl]phenyl]-ω-hydroxypoly-(oxy-1,2-ethanediyl), *see* M-00089
▷1-Methyl-4-(1-methylethyl)-2,3-dioxabicyclo[2.2.2]oct-5-ene, *see* A-00455
6-Methyl-1-(1-methylethyl)-ergoline-8-carboxylic acid 4-methoxycyclohexyl ester, *see* S-00047
▷1-Methyl-2-(1-methylethyl)-5-nitro-1*H*-imidazole, *see* I-00209
8-Methyl-8-(1-methylethyl)-3-[(1-oxo-2-propylpentyl)oxy]-8-azoniabicyclo[3.2.1]octane, *see* S-00081
▷7-Methyl-1-(1-methylethyl)-4-phenyl-2(1*H*)-quinazolinone, *see* P-00522
1-Methyl-5-(1-methylethyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* A-00130
2-Methyl-1-[2-(1-methylethyl)pyrazolo[1,5-*a*]pyridin-3-yl]-1-propanone, *see* I-00006
β-Methyl-α-[4-[(1-methylethyl)thio]phenyl]-4-(1-oxo-3-phenyl-2-propenyl)-1-piperazineethanol, *see* S-00270
N-Methyl-*N*-(1-methylethyl)-*N*-[2-[(9*H*-xanthen-9-ylcarbonyl)-oxy]ethyl]-2-propanaminium, *see* P-00492
Methyl 4-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058
Methyl 4-*O*-methyl-β-D-glucopyranosiduronamide, *in* G-00058
▷*N*-Methyl-*N*′-[2-[[(5-methyl-1*H*-imidazol-4-yl)methyl]thio]-ethyl]thiourea, *see* M-00316
N-Methyl-*N*-[4-[(7-methyl-1*H*-imidazo[4,5-*f*]quinolin-9-yl)-amino]phenyl]acetamide, *see* A-00045
5-Methyl-2-[3-methyl-6-[5-(2-methyl-1-propenyl)-3-furanyl]-2-hexenyl]benzoic acid, *see* C-00561
Methyl 6-methyl-2-[[(3-methyl-2-pyridyl)methyl]sulfinyl]-1*H*-benzimidazole-5-carboxylate, *see* P-00240
▷*O*-Methyl [2-(2-methyl-5-nitro-1*H*-imidazol-1-yl)ethyl]-carbamothioate, *see* C-00083
1-Methyl-1-[1-methyl-2-oxo-2-(10*H*-phenothiazin-10-yl)-ethyl]-pyrrolidinium, *see* P-00520
1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid, M-00268
1-Methyl-5-(1-methyl-2-pentynyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* M-00187
N-Methyl-*N*-(α-methylphenethyl)furfurylamine, *see* F-00291
Methyl(α-methylphenethyl)prop-2-ynylamine, *see* D-00449
N-Methyl-γ-(2-methylphenoxy)benzenepropanamine, *see* T-00377
α-Methyl-*N*-(1-methyl-2-phenoxyethyl)benzeneethanamine, *see* M-00269
α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine, M-00269
▷2-Methyl-4-[(2-methylphenyl)azo]benzenamine, *see* A-00251
N-Methyl-2-[(*o*-methyl-α-phenylbenzyl)oxy]ethylamine, *see* T-00339
▷Methyl(3-methylphenyl)carbamothioic acid *O*-2-naphthalenyl ester, *see* T-00354
4-Methyl-*N*-[[(1-methyl-2-phenylethyl)amino]carbonyl]-benzenesulfonamide, *see* T-00389
N-Methyl-*N*-(1-methyl-2-phenylethyl)-2-furanmethanamine, *see* F-00291
▷1-Methyl-1-(1-methyl-2-phenylethyl)hydrazine, *see* D-00442
N-Methyl-*N*-(1-methyl-2-phenylethyl)-6-oxo-3-phenyl-1(6*H*)-pyridazineacetamide, *see* I-00174
N-Methyl-2-[(2-methylphenyl)phenylmethoxy]ethanamine, *see* T-00339
▷2-Methyl-1-(4-methylphenyl)-3-(1-piperidinyl)-1-propanone, *see* T-00364
2-Methyl-*N*-(2-methylphenyl)-2-(propylamino)propanamide, *see* Q-00003
▷2-Methyl-3-(2-methylphenyl)-4(3*H*)-quinazolinone, *see* M-00172
▷2-Methyl-11-(4-methyl-1-piperazinyl)dibenzo[*b,f*][1,4]-thiazepine, *see* M-00317
5-Methyl-3-(4-methyl-1-piperazinyl)-5*H*-pyridazino[3,4-*b*]-[1,4]benzoxazine, *see* P-00300
1-Methyl-1-(1-methyl-2-piperidyl)ethyl diphenyl acetate, *see* P-00271
α-Methyl-4-[(2-methyl-2-propenyl)amino]benzeneacetic acid, *see* A-00138
▷*N*-Methyl-*N*′-(1-methyl-2-propenyl)-1,2-hydrazinedicarbothioamide, *see* M-00165
2-Methyl-2-[(2-methylpropyl)amino]-1-propanol benzoate, *see* I-00179
α-Methyl-4-(2-methylpropyl)benzeneacetic acid, *see* I-00008
α-Methyl-4-(2-methylpropyl)benzeneacetic acid 2-[4-(3-chlorophenyl)-1-piperazinyl]ethyl ester, *see* L-00067
α-Methyl-4-(2-methylpropyl)benzeneacetic acid 2-[4-[3-(trifluoromethyl)phenyl]-1-piperazinyl]ethyl ester, *see* F-00263
▷2-Methyl-2-(1-methylpropyl)-1,3-propanediol dicarbamate, *see* M-00039
1-Methyl-3-[(methylsulfonyl)methyl]-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-1*H*-1,2,4-triazol-5-amine, *see* S-00179
1-Methyl-1-[2-(*N*-methyl-α-2-thienylmandelamido)ethyl]-pyrrolidinium, *see* D-00587
4-Methyl-5-[4-(methylthio)benzoyl]-4-imidazolin-2-one, *see* E-00062
1-Methyl-2-[[4-(methylthio)phenoxy]methyl]-5-nitroimidazole, *see* F-00098
1-Methyl-3-[3-methyl-4-[4-[(trifluoromethyl)thio]phenoxy]-phenyl]-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, *see* T-00371
▷Methylmitomycin *C*, *see* P-00388
▷1-Methylmocimycin, *in* M-00413
17-Methylmorphinan-3-ol, *see* H-00166
▷Methylmorphine, *see* C-00525
4-Methyl-7-(4-morpholinocarboxamido)-3-(2-morpholinoethyl)-coumarin, *see* M-00445
1-(3-Methyl-4-morpholino-2,2-diphenylbutyryl)pyrrolidine, *see* M-00437

▷2-Methyl-*N*-(morpholinomethyl)-2-phenylsuccinimide, *see* M-00453
1-Methyl-3-morpholinopropyl tetrahydro-4-phenyl-2*H*-pyran-4-carboxylate, *see* F-00027
1-[[4-Methyl-7-[(4-morpholinylcarbonyl)amino]-2-oxo-2*H*-1-benzopyran-3-yl]methyl]-2-(4-morpholinyl)ethyl-3-(3,4,5-trimethoxyphenyl)-2-propenoate, *see* C-00359
4-[5-Methyl-6-[[2-(4-morpholinyl)ethyl]amino]-3-pyridazinyl]-phenol, *see* M-00466
N-[4-Methyl-3-[2-(4-morpholinyl)ethyl]-2-oxo-2*H*-1-benzopyran-7-yl]-4-morpholinecarboxamide, *see* M-00445
▷3-Methyl-1-(4-morpholinylmethyl)-3-phenyl-2,5-pyrrolidinedione, *see* M-00453
1-[3-Methyl-4-(4-morpholinyl)-1-oxo-2,2-diphenylbutyl]-pyrrolidine, *see* M-00437
4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, M-00270
α-Methyl-1-naphthaleneacetic acid 1,4-piperazinediyldi-2,1-ethanediyl ester, *see* N-00017
▷2-Methyl-1,4-naphthalenediol, *see* D-00333
▷2-Methyl-1,4-naphthalenedione, *see* M-00271
1-Methyl-4-(1-naphthalenylcarbonyl)-1*H*-pyrrole-2-carboxylic acid, *see* N-00046
▷2-Methyl-1,4-naphthoquinol, *see* D-00333
▷2-Methyl-1,4-naphthoquinone, M-00271
2-Methylnaphthoquinone 4-oxime *O*-carboxymethyl ether, *see* M-00087
O-[(2-Methyl-1-naphthyl)methyl]hydroxylamine, *see* N-00019
3-Methyl-1-[2-(2-naphthyloxy)ethyl]-5-pyrazolone, *see* N-00011
5-Methyl-1,6-naphthyridin-2(1*H*)-one, M-00272
Methylnicethamide, *in* D-00241
Methylniphenazine, M-00273
▷1-Methylnirvanol, *see* M-00179
▷3-Methylnirvanol, *see* M-00188
2-Methyl-6-[2-(5-nitro-2-furanyl)ethenyl]-4(1*H*)-pyrimidinone, *see* N-00136
▷4-Methyl-1-[[(5-nitro-2-furanyl)methylene]amino]-2-imidazolidinone, *see* N-00122
5-Methyl-3-[[(5-nitro-2-furanyl)methylene]amino]-2-oxazolidinone, *see* F-00293
▷3-Methyl-*N*-[(5-nitro-2-furanyl)methylene]-4-thiomorpholinamine 1,1-dioxide, *see* N-00134
▷4-Methyl-1-[(5-nitrofurfurylidene)amino]-2-imidazolidinone, *see* N-00122
5-Methyl-3-(5-nitrofurfurylideneamino)-2-oxazolidinone, *see* F-00293
▷3-Methyl-4-[(5-nitrofurfurylidene)amino]-4-thiomorpholine, *see* N-00134
N-Methyl-3-[[3-(5-nitro-2-furyl)allylidene]amino]-2-oxo-1-imidazolidinecarboxamide, *see* N-00123
2-Methyl-6-[2-(5-nitro-2-furyl)vinyl]-4-pyrimidinol, *see* N-00136
▷2-Methyl-5-nitro-1*H*-imidazole-1-ethanol, *see* M-00344
▷1-Methyl-5-nitro-1*H*-imidazole-2-methanol carbamate, *see* R-00084
2-Methyl-5-nitro-1*H*-imidazole-1-propanol, *see* T-00094
▷2-Methyl-5-nitroimidazol-1-ylethanol, *see* M-00344
4-[2-(1-Methyl-5-nitro-1*H*-imidazol-2-yl)ethenyl]-2-pyrimidinamine, *see* A-00502
▷4-[2-(2-Methyl-5-nitroimidazol-1-yl)ethyl]pyridine, *see* P-00013
▷4-[2-(2-Methyl-5-nitro-1*H*-imidazol-1-yl)ethyl]pyridine, *see* P-00013
▷3-[[(1-Methyl-5-nitro-1*H*-imidazol-2-yl)methylene]amino]-5-(4-morpholinylmethyl)-2-oxazolidinone, *see* M-00467
2-[(1-Methyl-5-nitro-1*H*-imidazol-2-yl)methylene]-3-oxobutanoic acid ethyl ester, *see* P-00494
1-(1-Methyl-5-nitro-1*H*-imidazol-2-yl)-3-(methylsulfonyl)-2-imidazolidinone, *see* S-00028
2-[[(1-Methyl-5-nitro-1*H*-imidazol-2-yl)methyl]thio]pyridine, *see* P-00331
▷6-[(1-Methyl-4-nitro-1*H*-imidazol-5-yl)thio]-1*H*-purin-2-amine, *see* T-00178
▷6-[(1-Methyl-4-nitro-1*H*-imidazol-5-yl)thio]-1*H*-purine, *see* A-00513
2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, M-00274
▷5-Methyl-2-nitro-7-oxa-8-mercurabicyclo[4.2.0]octa-1,3,5-triene, *see* N-00181
▷[2-Methyl-5-nitrophenolato(2−)-C^{6},O^{1}]mercury, *see* N-00181
3-Methyl-5-[(*p*-nitrophenyl)azo]rhodanine, *see* N-00176
3-Methyl-5-[(4-nitrophenyl)azo]-2-thioxo-4-thiazolidinone, *see* N-00176
▷Methylnitrophos, *see* F-00057
▷2-Methyl-5-nitro-1-[2-(γ-pyridyl)ethyl]imidazole, *see* P-00013
▷2-Methyl-*N*-[4-nitro-3-(trifluoromethyl)phenyl]propanamide, *see* F-00224
▷7-*O*-Methylnogarol, *see* M-00092
(2-Methyl-2-nonyl-1,3-dioxolan-4-yl)methyl carbamate, *see* D-00473
α-Methylnoradrenaline, *see* A-00249
α-Methylnorepinephrine, *see* A-00249
7α-Methylnoretynodrel, *see* T-00251
17-Methyl-19-nor-4,9-pregnadiene-3,20-dione, *see* D-00063
7α-Methyl-19-nor-17α-pregna-1,3,5(10)-trien-20-yne-1,3,17-triol 1,3-dibenzoate, *see* E-00135
11-Methyl-19-nor-4-pregnen-20-yne-3,17-diol, *see* M-00346
17-Methyl-Δ^{9}-19-norprogesterone, *see* D-00063
▷17-Methyl-B-nortestosterone, *see* B-00056
17α-Methyl-19-nortestosterone, *see* N-00221
▷2-[3-(5-Methyl-1,3,4-oxadiazol-2-yl)-3,3-diphenylpropyl]-2-azabicyclo[2.2.2]octane, *see* N-00232
6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, M-00275
1-Methyl-8-oxidoquinolinium inner salt, *in* H-00211
(3-Methyloxiranyl)phosphonic acid, M-00276
2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate, M-00277
2-Methyl-4[(2-oxo-2*H*-1-benzopyran-7-yl)oxy]butanoic acid, *in* H-00114
α-Methyl-γ-oxo-(1,1′-biphenyl)-4-butanoic, *see* M-00157
4-[(1-Methyl-3-oxo-1-butenyl)amino]-3-isoxazolidinone, *see* P-00100
3-Methyl-4-oxo-4*H*-chromene, *see* M-00231
α-Methyl-4-[(2-oxocyclopentyl)methyl]benzeneacetic acid, *see* L-00108
4-[2-Methyl-4-oxo-3,3-diphenyl-4-(1-pyrrolidinyl)butyl]-morpholine, *see* M-00437
1-[*N*-(6-Methyl-1-oxoheptyl)-L-valine]pepstatin *A*, *in* P-00109
3-Methyl-1-(5-oxohexyl)-7-propylxanthine, *see* P-00495
1-[*N*-(4-Methyl-1-oxohexyl)-L-valine]pepstatin *A*, *in* P-00109
1-[*N*-(5-Methyl-1-oxohexyl)-L-valine]pepstatin *A*, *in* P-00109
[[3-Methyl-4-oxo-1(4*H*)-naphthylidene)amino]oxy]acetic acid, *see* M-00087
1-[*N*-(7-Methyl-1-oxooctyl)-L-valine]pepstatin *A*, *in* P-00109
1-[*N*-(4-Methyl-1-oxopentyl)-L-valine]pepstatin *A*, *in* P-00109
1-Methyl-3-oxo-4-phenyl-1-azoniabicyclo[2.2.2]octane, *see* M-00278
3-Methyl-4-oxo-2-phenyl-4*H*-1-benzopyran-8-carboxylic acid 2-(1-piperidinyl)ethyl ester, *see* F-00112
1-Methyl-3-oxo-4-phenylquinuclidinium(1+), M-00278
[3-Methyl-4-oxo-5-(1-piperidinyl)-2-thiazolidinylidene]-acetic acid, *see* O-00169
4-Methyl-3-[[1-oxo-2-(propylamino)propyl]amino]-2-thiophenecarboxylic acid methyl ester, *see* C-00103
17-Methyl-17β-(1-oxopropyl)estra-4,9-dien-3-one, *see* P-00476
3-Methyl-4-[(oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidinecarboxylic acid methyl ester, *see* L-00073
▷Methyl 4-[(1-oxopropyl)phenylamino]-1-(2-phenylethyl)-4-piperidinecarboxylate, *see* C-00075
1-[*N*-(2-Methyl-1-oxopropyl)-L-valine]pepstatin *A*, *in* P-00109
1-Methyl-4-[(2-oxo-1-pyrrolidinyl)acetyl]piperazine, *see* P-00281
▷9-[[3-Methyl-1-oxo-4-[tetrahydro-3,4-dihydroxy-5-[[3-(2-hydroxy-1-methylpropyl)oxiranyl]methyl]-2*H*-pyran-2-yl]-2-butenyl]oxy]nonanoic acid, *see* P-00552

3-Methyl-8-oxo-7-[[[4-(1,4,5,6-tetrahydro-2-pyrimidinyl)-phenyl]acetyl]amino]-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, *see* C-00148

N-[(6-Methyl-5-oxo-3-thiomorpholinyl)carbonyl]-L-histidyl-L-prolinamide, *see* M-00431

3-Methyl-7-oxo-3-(1*H*-1,2,3-triazol-1-ylmethyl)-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid 4,4-dioxide, *see* T-00043

Methyl palmoxirate, *in* T-00110

▷Methylparaben, *in* H-00113

▷Methyl parasept, *in* H-00113

Methylpartricin, *in* P-00042

Methyl 2,3,4,5,6-penta-*O*-acetyl-D-gluconate, *in* G-00055

3-Methyl-2,4-pentanediol, M-00279

▷3-Methyl-3-pentanol carbamate, *see* E-00042

▷4-Methyl-3-penten-2-one (1-phthalazinyl)hydrazone, *see* B-00346

▷3-Methyl-3-pentyl carbamate, *see* E-00042

5-Methyl-2-pentylphenol, M-00280

▷Methylpentynol, *see* M-00281

▷3-Methyl-1-pentyn-3-ol, M-00281

▷Methylperidol, *in* M-00432

Methylperone, *see* M-00083

▷(15*R*)-Methyl-PGE_2, *in* D-00334

(15*R*)-Methyl-*ent*-PGE_2, *in* D-00334

▷(15*S*)-Methyl-PGE_2, *in* D-00334

(15*S*)-Methyl-*ent*-PGE_2, *in* D-00334

▷15-Methyl-$PGF_{2\alpha}$, *see* C-00062

▷*N*-Methylphenacetin, *in* E-00161

▷β-Methylphenethylamine, *see* P-00203

9-[2-[(α-Methylphenethyl)amino]ethyl]acridine, *see* A-00048

▷4-[2-[(α-Methylphenethyl)amino]ethyl]morpholine, *see* M-00441

7-[2-[(α-Methylphenethylamino)]ethyl]theophylline, *see* F-00047

▷[(α-Methylphenethyl)amino]phenylacetonitrile, *see* A-00183

3-[(α-Methylphenethyl)amino]propionitrile, *see* F-00073

▷*N*-[2-(*N*-Methylphenethylamino)propyl]propionanilide, *see* D-00142

▷Methyl β-phenethyl ether, *in* P-00187

N-(α-Methylphenethyl)formamide, *in* P-00202

▷α-Methylphenethylhydrazine, *see* M-00289

▷Methyl 1-phenethyl-4-(*N*-phenylpropionamido)isonipecotate, *see* C-00075

3-(α-Methylphenethyl)sydnone imine, *see* F-00086

N-(α-Methylphenethyl)thioxanthene-9-ethylamine, *see* T-00328

1-(α-Methylphenethyl)-3-(*p*-tolylsulfonyl)urea, *see* T-00389

▷Methylphenidate, *in* R-00065

▷Methylphenidate hydrochloride, *in* R-00065

▷Methylphenobarbital, *see* E-00206

10-Methyl-10*H*-phenothiazine-2-acetic acid, *in* P-00168

1-Methyl-1-(1-phenothiazin-10-ylcarbonylethyl)pyrrolidinium, *see* P-00520

1-Methyl-3-(10*H*-phenothiazin-10-ylmethyl)-1-azoniabicyclo[2.2.2]octane, *see* M-00110

▷2-[2-[4-[2-Methyl-3-(10*H*-phenothiazin-10-yl)propyl]-1-piperazinyl]ethoxy]ethanol, *see* D-00557

α-Methyl-3-phenoxybenzeneacetic acid, *see* P-00172

2-[(1-Methyl-2-phenoxyethyl)amino]-1-phenyl-1,3-propanediol, *see* S-00094

(1-Methyl-2-phenoxyethyl)hydrazine, M-00282

▷3-(2-Methylphenoxy)-1,2-propanediol, M-00283

▷3-(2-Methylphenoxy)-1,2-propanediol 1-carbamate, *in* M-00283

2-Methyl-2-phenoxypropanoic acid 2-(4-morpholinyl)ethyl ester, *see* P-00480

5-(3-Methylphenoxy)-2(1*H*)-pyrimidinone, M-00284

Methyl 16-phenoxy-9,11,15-trihydroxy-ω-tetranorprosta-4,5,13-trienoate, *see* F-00074

1-(4-Methylphenyl)-3-azabicyclo[3.1.0]hexane, M-00285

8-Methyl-3-phenyl-8-azabicyclo[3.2.1]octane-2-carboxylic acid methyl ester, *see* T-00549

α-Methyl-γ-phenylbenzenepropanamine, *see* D-00489

α-Methyl-3-phenyl-7-benzofuranacetic acid, M-00286

α-Methyl-2-phenyl-6-benzothiazoleacetic acid, M-00287

▷2-Methyl-3-phenyl-2-butylamine, M-00288

6-Methyl-2-phenylcinchoninic acid, *see* M-00295

N-(1-Methyl-2-phenylethyl)-9-acridineethanamine, *see* A-00048

▷α-[(1-Methyl-2-phenylethyl)amino]benzeneacetonitrile, *see* A-00183

▷*N*-[2-[Methyl(2-phenylethyl)amino]propyl]-*N*-phenylpropanamide, *see* D-00142

▷(1-Methyl-2-phenylethyl)hydrazine, M-00289

2-Methyl-1-(1-phenylethyl)-1*H*-imidazole, *see* E-00018

▷*N*-(1-Methyl-2-phenylethyl)-4-morpholineethanamine, *see* M-00441

▷3-(1-Methyl-2-phenylethyl)-*N*-(phenylaminocarbonyl)sydnone imine, *see* M-00133

▷*N*-(1-Methyl-2-phenylethyl)-γ-phenylbenzenepropanamine, *see* P-00423

N-[1-(1-Methyl-2-phenylethyl)-4-piperidinyl]-*N*-phenylpropanamide, *see* M-00255

N-[3-Methyl-1-(2-phenylethyl)-4-piperidinyl]-*N*-phenylpropanamide, *see* M-00065

5-Methyl-2-phenyl-1*H*-imidazole-4-acetonitrile, *see* M-00063

1-Methyl-4-phenylisonipecotic acid isopropyl ester, *see* P-00498

▷1-Methyl-4-phenylisonipecotic ethyl ester, *see* P-00131

▷6-(5-Methyl-3-phenyl-1-isoxazolecarboxamido)penicillanic acid, *see* O-00074

N-[(2-Methylphenyl)methyl]adenosine, *in* A-00067

N-Methyl-*N*-(phenylmethyl)benzenemethanamine, *see* M-00244

3-[[(4-Methylphenyl)methylene]amino]-4-phenyl-2(3*H*)-thiazolethione, *see* F-00099

N-Methyl-4-[2-(phenylmethyl)phenoxy]-1-butanamine, *see* B-00161

1-[1-Methyl-2-[2-(phenylmethyl)phenoxy]ethyl]piperidine, *see* B-00061

1′-[(4-Methylphenyl)methyl]-3-phenyl[3,4′-bipiperidine]-2,6-dione, *see* M-00079

1-(3-Methylphenyl)-4-[2-(5-methyl-1*H*-pyrazol-3-yl)ethyl]-piperazine, *see* T-00365

▷2-Methyl-*N*-(phenylmethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *see* R-00079

▷3-Methyl-2-phenylmorpholine, M-00290

▷4-[(3-Methyl-2-phenylmorpholino)methyl]antipyrine, *see* M-00439

5-Methyl-6-phenyl-3-morpholinone, M-00291

N-(*p*-Methyl-α-phenylphenethyl)linoleamide, *see* M-00416

N-[2-(4-Methylphenyl)-1-phenyethyl-9,12-octadecadienamide, *see* M-00416

▷1-Methyl-*N*-phenyl-*N*-(phenylmethyl)-4-piperidinamine, *see* B-00106

β-Methyl-α-phenyl-α-(phenylmethyl)-1-pyrrolidinepropanol acetate, *see* P-00599

2-[2-[4-(3-Methylphenyl)-1-piperazinyl]ethyl]quinoline, *see* C-00166

▷1-Methyl-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* P-00131

1-Methyl-4-phenyl-4-piperidinecarboxylic acid 1-methylethyl ester, *see* P-00498

5-Methyl-4-phenyl-1-(1-piperidyl)-3-hexanol, *see* P-00295

α-[1-[Methyl(3-phenyl-2-propenyl)amino]ethyl]-benzenemethanol, *see* C-00371

Methyl 3-phenyl-2-propen-1-yl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, M-00292

N-Methyl-*N*-(3-phenyl-2-propenyl)-1-naphthalenemethanamine, *see* N-00024

1-Methyl-4-phenyl-3-(2-propenyl)-4-piperidinol propanoate, *see* A-00133

1-(2-Methylphenyl)-2-propylamine, *see* O-00065

N-[(2-Methylphenyl)-2-propylamino]propanamide, *see* P-00432

1-[1-[[(1-Methyl-1-phenyl-2-propynyl)oxy]methyl]-2-(2-methylpropoxy)ethyl]pyrrolidine, *see* F-00265

N'-(3-Methyl-1-phenylpyrazol-5-yl)sulfanilamide, *see* S-00207

4-[2-[(4-Methyl-6-phenyl-3-pyridazinyl)amino]ethyl]-morpholine, *see* M-00381

N-(4-Methyl-6-phenyl-3-pyridazinyl)-4-morpholineethanamine, *see* M-00381

5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293

3-(2-Methylphenyl)-2-[2-(pyridinyl)ethenyl]-4(3*H*)-quinazolinone, *see* P-00335

1-(2-Methylphenyl)-4-[3-(2-pyridinyloxy)propyl]piperazine, *see* T-00383

N-Methyl-2-phenyl-*N*-(3-pyridylmethyl)hydracrylamide, *see* P-00259

▷1-Methyl-3-phenyl-2,5-pyrrolidinedione, M-00294

1-(4-Methylphenyl)-2-(1-pyrrolidinyl)-1-pentanone, *see* P-00592

▷2-[1-(4-Methylphenyl)-3-(1-pyrrolidinyl)-1-propenyl]pyridine, *see* T-00529

6-Methyl-2-phenyl-4-quinolinecarboxylic acid, M-00295

▷*N*-Methyl-2-phenylsuccinimide, *see* M-00294

[[[2-[[[[(4-Methylphenyl)sulfonyl]amino]carbonyl]amino]-phenyl]amino]carbonyl]phosphoramidic acid diethyl ester, *see* D-00554

[[[2-[[[[(4-Methylphenyl)sulfonyl]amino]carbonyl]amino]-phenyl]amino]thioxomethyl]phosphoramidic acid diethyl ester, *see* U-00013

[(4-Methylphenyl)sulfonyl]carbamic acid 2-methoxyethyl ester, *see* T-00391

N-[(4-Methylphenyl)sulfonyl]-1-pyrrolidinecarboxamide, *see* T-00368

▷1-Methyl-*N*-phenyl-*N*-(2-thienylmethyl)-4-piperidinamine, *see* T-00163

▷Methyl 5-phenylthio-1*H*-benzimidazol-2-yl carbamate, *see* F-00037

1-[1-Methyl-2-[(α-phenyl-*o*-tolyl)oxy]ethyl]piperidine, *see* B-00061

▷1-Methyl-5-phenyl-7-(trifluoromethyl)-1*H*-1,5-benzodiazepine-2,4-(3*H*,5*H*)-dione, *see* T-00460

N-Methyl-3-phenyl-3-(α,α,α-trifluoro-*p*-tolyloxy)propylamine, *see* F-00194

3-Methyl-2-phenylvalerate, diethyl(2-hydroxyethyl)methyl-ammonium, *see* V-00003

Methyl phosphonoacetate, *in* P-00215

▷*N*-Methyl-*N*-[2-(phosphonooxy)ethyl]guanidine, *see* C-00559

2-Methyl-3-phytyl-1,4-naphthalenedioldiphosphate, *see* P-00228

▷2-Methyl-3-phytyl-1,4-naphthoquinone, *see* V-00064

1-Methylpicolinaldoxime cation, *see* P-00395

4-Methylpicolinic acid, *see* M-00303

▷1-Methyl-2′,6′-pipecoloxylidide, *see* M-00101

▷1-Methylpiperazine, *in* P-00285

▷4-Methyl-1-piperazineacetic acid [(5-nitro-2-furanyl)-methylene]hydrazide, *see* N-00127

▷4-Methyl-1-piperazinecarboxylic acid 6-(5-chloro-2-pyridinyl)-6,7-dihydro-7-oxo-5*H*-pyrrole[3,4-*b*]pyrazin-5-yl ester, *see* Z-00037

▷6-(4-Methyl-1-piperazinyl)-11*H*-dibenz[*b*,*e*]azepine, *see* P-00126

[5-(4-Methyl-1-piperazinyl)-9*H*-dithieno[3,4-*b*:3′,4′-*e*]-azepin-9-ylidene]acetonitrile, *see* T-00069

5-(4-Methyl-1-piperazinyl)imidazo[2,1-*b*][1,3,5]-benzothiadiazepine, *see* P-00097

▷3-[[(4-Methyl-1-piperazinyl)imino]methyl]rifamycin, *see* R-00045

1-[(4-Methyl-1-piperazinyl)methyl]-2-(2-methylpropoxy)-ethyl α-ethylbenzeneacetate, *see* F-00048

▷6-(4-Methyl-1-piperazinyl)morphanthridine, *see* P-00126

10-[3-(4-Methyl-1-piperazinyl)propionyl]-2-(trifluoromethyl)-phenothiazine, *see* F-00270

▷10-[3-(4-Methyl-1-piperazinyl)propyl]-10*H*-phenothiazine, *see* P-00116

▷1-[10-[3-(4-Methyl-1-piperazinyl)propyl]-10*H*-phenothiazin-2-yl]-1-butanone, *see* B-00394

▷10-[3-(4-Methyl-1-piperazinyl)propyl]-2-(trifluoromethyl)-10*H*-phenothiazine, *see* T-00463

2-Methyl-1-piperidinepropanol benzoate ester, *see* P-00292

Methyl *o*-[*p*-(2-piperidinoethoxy)benzoyl]benzoate, *see* P-00359

▷*N*-(1-Methyl-2-piperidinoethyl)propionanilide, *see* P-00143

2-Methyl-3-(β-piperidino-*p*-phenetidino)phthalimidine, *see* O-00045

▷3-(2-Methylpiperidino)propyl *p*-cyclohexyloxybenzoate, *see* C-00625

2-Methyl-3-piperidinopyrazine, *see* M-00296

▷2-Methyl-3-piperidino-1-*p*-tolylpropan-1-one, *see* T-00364

1-Methyl-4-piperidinyl bis(4-chlorophenoxy)acetate, *see* L-00046

▷1-Methyl-4-piperidinyl 4-(butylamino)benzoate, *see* P-00038

1-Methyl-3-piperidinyl α-cyclohexyl-α-hydroxybenzeneacetate, *see* P-00497

Methyl 2-[4-[2-(1-piperidinyl)ethoxy]benzoyl]benzoate, *see* P-00359

2-(4-Methylpiperidinyl)ethyl 6-ethyl-2,3,6,9-tetrahydro-3-methyl-2,9-dioxothiazolo[5,4-*f*]quinoline-8-carboxylate, *see* M-00321

▷*N*-[1-Methyl-2-(1-piperidinyl)ethyl]-*N*-phenylpropanamide, *see* P-00143

▷*N*-[1-Methyl-2-(1-piperidinyl)ethyl]-*N*-2-pyridinylpropanamide, *see* P-00505

5-(1-Methyl-4-piperidinylidene)-5*H*-[1]benzopyrano[2,3-*b*]-pyridine, *see* A-00501

▷10-[(1-Methyl-3-piperidinyl)methyl]-10*H*-phenothiazine, *see* P-00048

1-Methyl-5-[[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-amino]-1*H*-1,2,4-triazole-3-methanol, *see* L-00109

1-Methyl-N^5-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-1*H*-1,2,4-triazole-3,5-diamine, *see* L-00007

1-Methyl-4-piperidinyl α-phenyl-α-propoxybenzeneacetate, *see* P-00507

2-Methyl-3-(1-piperidinyl)pyrazine, M-00296

1-Methyl-5-[3-(α-piperidinyl-*m*-tolyloxy)propylamino]-1*H*-1,2,4-triazole-3-methanol, *see* L-00109

8-Methyl-6-(1-piperidinyl)-1,2,4-triazolo[4,3-*b*]pyridazine, *see* Z-00019

4-(3-Methyl-1-piperidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, *see* P-00118

1-Methyl-4-piperidyl diphenylpropoxyacetate, *see* P-00507

▷10-[2-(1-Methyl-2-piperidyl)ethyl]-2(methylsulfinyl)-10*H*-phenothiazine, *see* M-00134

▷10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylsulfonyl)-phenothiazine, *see* S-00222

▷10-[2-(1-Methyl-2-piperidyl)ethyl]-2-(methylthio)-10*H*-phenothiazine, *see* T-00209

▷9-(*N*-Methyl-3-piperidylmethyl)thioxanthene, *see* M-00185

1-Methyl-3-piperidyl α-phenylcyclohexaneglycolate, *see* P-00497

▷7-Methyl-5-piperonyl-1,3-dioxolo[4,5-*g*]isoquinoline, *see* M-00267

▷Methylprednisolone, M-00297

▷6α-Methylprednisolone, *see* M-00297

Methylprednisolone aceponate, *in* M-00297

▷Methylprednisolone acetate, *in* M-00297

Methylprednisolone hemisuccinate, *in* M-00297

Methylprednisolone sodium phosphate, *in* M-00297

▷Methylprednisolone sodium succinate, *in* M-00297

Methylprednisolone suleptanate, *in* M-00297

▷Methylprednisone, *in* D-00336

Methylprednisone hemisuccinate, *in* D-00336

2-Methylpropanoic acid 4-[2-(methylamino)ethyl]-1,2-phenylene ester, *see* I-00005

Methylpropanolol methochloride, *in* P-00399

5-Methyl-3-(2-propenyl)-2,4-oxazolidinedione, *see* A-00143

4-(1-Methyl-1-propenyl)phenol, M-00298

17α-Methyl-17-propionylestra-4,9-dien-3-one, *see* P-00476

Methyl (6-propoxy-2-benzothiazolyl)carbamate, *see* T-00309

β-[(2-Methylpropoxy)methyl]-*N*-phenyl-*N*-(phenylmethyl)-1-pyrrolidineethanamine, *see* B-00134

1-[1-[(2-Methylpropoxy)methyl]-2-[[1-(1-propynyl)-cyclohexyl]oxy]ethyl]pyrrolidine, *see* D-00582

N-[4-(2-Methylpropoxy)phenyl-*N*′-[4-(2-pyridinyl)phenyl]-thiourea, *see* T-00197

2-[(2-Methylpropyl)amino]ethanol 3-aminobenzoate, *see* M-00143

2-[(2-Methylpropyl)amino]ethyl 4-aminobenzoate, M-00299
4-Methyl-3-[2-(propylamino)propionamido]-2-thiophenecarboxylic acid methyl ester, *see* C-00103
2-Methyl-2-(propylamino)-*o*-propionotoluidide, *see* Q-00003
▷4-(2-Methylpropyl)benzeneacetic acid, *see* I-00007
α-(1-Methylpropyl)benzeneacetic acid 1-methyl-4-piperidinyl ester, *see* P-00091
2-Methylpropyl 2-cyano-2-propenoate, M-00300
2-Methylpropyl 4-(6,7-dimethoxy-4-quinazolinyl)-1-piperazinecarboxylate, *see* P-00312
▷Methyl propyl ether, *see* M-00214
▷2-[4-(2-Methylpropyl)phenyl]butanoic acid, *see* B-00402
▷α-(1-Methylpropyl)-α-phenyl-1-piperidinebutanenitrile, *see* B-00431
2-[4-(2-Methylpropyl)phenyl]propanoic acid, *see* I-00008
▷2-Methyl-2-propyl-1,3-propanediol dicarbamate, *see* M-00104
▷5-(1-Methylpropyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* T-00007
▷5-(2-Methylpropyl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* B-00386
5-(2-Methylpropyl)-3-(2-propenyl)-2-thioxo-4-imidazolidinone, *see* A-00102
▷3-(1-Methyl-3-propyl-3-pyrrolidinyl)phenol, *see* P-00462
Methyl 5-(propylsulfinyl)benzimidazol-2-ylcarbamate, *in* A-00096
▷Methyl [5-(propylthio)-1*H*-benzimidazol-2-yl]carbamate, *see* A-00096
▷5-Methyl-5-propyl-2-*p*-tolyl-1,3,2-dioxaborinane, M-00301
N-Methyl-*N*-2-propynylamphetamine, *see* D-00449
▷*N*-Methyl-*N*-2-propynylbenzenemethanamine, *see* P-00037
▷*N*-Methyl-*N*-2-propynylbenzylamine, *see* P-00037
4-Methyl-7-(2-propynyloxy)-2*H*-1-benzopyran-2-one, *see* G-00024
4-Methyl-7-(2-propynyloxy)coumarin, *see* G-00024
▷Methylproscillaridin, *in* D-00319
Methylpseudoephedrine, *in* D-00418
5-Methylpyrazinecarboxylic acid, M-00302
5-Methylpyrazinoic acid, *see* M-00302
▷4-Methyl-5-pyrazinyl-3*H*-1,2-dithiole-3-thione, *see* O-00042
N-(5-Methylpyrazolo[1,5-*c*]quinazolin-1-yl)acetamide, *see* Q-00022
7-Methylpyrazolo[1,5-*a*]-1,3,5-triazine-2,4-diamine, *see* D-00008
1-[2-(5-Methylpyrazol-3-yl)ethyl]-4-*m*-tolylpiperazine, *see* T-00365
2-Methyl-4-pyridinecarboxylic acid, M-00303
▷*N*-Methyl-2-pyridineethanamine, *see* M-00220
5-Methyl-3-(2-pyridinyl)-2*H*,5*H*-1,3-oxazino[5,6-*c*][1,2]-benzothiazine-2,4(3*H*)-dione 6,6-dioxide, *see* D-00615
1-Methyl-5-(3-pyridinyl)-2-pyrrolidinone, *see* C-00553
2-[1-Methyl-3-(3-pyridinyl)-1*H*-1,2,4-triazol-5-yl]-benzenemethanol, *see* F-00083
1-Methyl-2-(3-pyridyl)pyrrolidine, *see* N-00103
o-[1-Methyl-3-(3-pyridyl)-1*H*-1,2,4-triazol-5-yl]benzyl alcohol, *see* F-00083
▷*N'*-(4-Methyl-2-pyrimidinyl)sulfanilamide, *see* S-00242
N^1-(5-Methyl-2-pyrimidinyl)sulfanilamide, *see* S-00206
▷*N*-2-(4-Methylpyrimidyl)sulfanilamide, *see* S-00242
α-Methyl-1-pyrrolidineaceto-*o*-toluidide, *see* A-00434
N-(1-Methyl-2-pyrrolidinylidene)-*N'*-phenyl-1-pyrrolidinecarboximidamide, *see* P-00345
1-Methyl-3-pyrrolidinylmethyl benzilate, *see* T-00447
1-Methyl-2-pyrrolidinylmethyl bis(*p*-chlorophenoxy)acetate, *see* B-00154
N-[(1-Methyl-2-pyrrolidinyl)methyl]-5-(methylsulfamoyl)-*o*-veratramide, *see* S-00266
▷10-[(1-Methyl-3-pyrrolidinyl)methyl]-10*H*-phenothiazine, *see* M-00177
1-(1-Methyl-3-pyrrolidinylmethyl)-3-phenylindan, *see* P-00591
N-[(1-Methyl-2-pyrrolidinyl)methyl]-5-sulfamoyl-*o*-anisamide, *see* S-00228
3-(1-Methyl-2-pyrrolidinyl)pyridine, *see* N-00103
4'-Methyl-2-(1-pyrrolidinyl)valerophenone, *see* P-00592
1-Methylquinolinium-8-olate, *in* H-00211
5-Methyl-8-quinolinol, *see* H-00176
3-Methyl-2-quinoxalinecarboxylic acid, M-00304
3-Methyl-2-quinoxalinemethanol, *see* H-00164
▷Methyl reserpate, *in* R-00028
Methyl reserpate(*p*-methoxyphenoxy)acetate, *see* M-00066
2-Methyl-9-β-D-ribofuranosyladenine, *see* M-00219
▷1-*N*-Methylribostamycin, *in* R-00040
▷Methylrosaniline, *in* B-00209
▷Methyl salicylate, *see* M-00261
▷3-Methylsalicylic acid, *see* H-00155
▷4-Methylsalinomycin, *see* N-00050
▷2-Methylseclazone, *see* M-00132
Se-Methylselenomethionine, *in* S-00038
N^1-Methylsisomycin, *in* S-00082
1'-Methylspiro[isobenzofuran-1(3*H*),2'-pyrrolidin]-3-one, *see* S-00062
Methylsulfadiazine, *see* S-00206
▷4-Methylsulfadiazine, *see* S-00242
4-Methyl-2-sulfanilamidothiazole, *see* S-00255
3-Methyl-*N*-sulfanilylcrotonamide, *see* S-00192
▷2-[(Methylsulfinyl)acetyl]pyridine, *see* O-00120
▷(Methylsulfinyl)methyl-2 pyridyl ketone, *see* O-00120
7-(Methylsulfinyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, M-00305
▷*N'*-[3-(Methylsulfinyl)propyl]bleomycinamide, *see* B-00242
▷2-(Methylsulfinyl)-1-(2-pyridinyl)ethanone, *see* O-00120
▷Methylsulfonal, *see* B-00211
4-(Methylsulfonyl)benzaldehyde, M-00306
10-(Methylsulfonyl)decanenitrile, M-00307
▷1-[3-[2-(Methylsulfonyl)phenothiazin-10-yl]propyl]-isonipecotamide, *see* M-00332
▷1-[3-[2-(Methylsulfonyl)-10*H*-phenothiazin-10-yl]propyl]-4-piperidinecarboxamide, *see* M-00332
1-(4-Methylsulfonylphenyl)-2-dichloroacetamido-3-fluoro-1-propanol, *see* F-00124
▷2-[4-(Methylsulfonyl)phenyl]imidazo[1,2-*a*]pyridine, *see* Z-00031
▷Methyl sulfoxide, *see* D-00454
4-*O*-Methylsynephrine, *in* S-00286
▷Methyltestosterone, *see* H-00154
Methyl 2,3,4,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
Methyl 2,3,5,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
5-Methyl-3-(2-tetrahydrofurylidene)tetrahydrofuran-2,4-dione, *see* C-00086
N^5-Methyltetrahydrohomofolic acid, *see* K-00021
2-Methyl-*N*-[3-(2,3,5,6-tetrahydroimidazo[2,1-*b*]thiazol-6-yl)-phenyl]propanamide, *see* B-00387
▷2-Methyl-2-[4-(1,2,3,4-tetrahydro-1-naphthalenyl)phenoxy]-propanoic acid, *see* N-00014
2-Methyl-5-(D-*arabino*-1,2,3,4-tetrahydroxybutyl)-3-furoic acid, M-00308
▷2-Methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetra-enyl)-1,4-naphthalenedione, *see* M-00088
▷2-Methyl-3-(3,7,11,15-tetramethyl-2,6,10,14-hexadecatetra-enyl)-1,4-naphthoquinone, *see* M-00088
▷2-Methyl-3-(3,7,11,15-tetramethyl-2-hexadecenyl)-1,4-naphthalenedione, *see* V-00064
▷Methyl 5-(2-thenoyl)-2-benzimidazolecarbamate, *see* N-00196
▷1-Methyl-4-(*N*-2-thenylanilino)piperidine, *see* T-00163
▷Methyltheobromine, *see* C-00010
4'-[(5-Methyl-1,3,4-thiadiazol-2-yl)sulfamoyl]-phthalanilic acid, *see* P-00226
▷*N'*-(5-Methyl-1,3,4-thiadiazol-2-yl)sulfanilamide, *see* S-00243
2-Methyl-5-thiazolecarboxylic acid, M-00309
▷4-Methyl-5-thiazolecarboxylic acid, M-00310
N-[(2-Methyl-4-thiazolidinyl)carbonyl]-β-alanine methyl ester, *see* A-00141
α-Methyl-4-(2-thiazolyloxy)benzeneacetic acid, *see* T-00186
1-Methyl-4-thieno[2,3-*c*][2]benzothiepin-4(9*H*)-ylidenepiperidine, *see* P-00297
▷α-Methyl-4-(2-thienylcarbonyl)benzeneacetic acid, *see* S-00274

▷Methyl [5-(2-thienylcarbonyl)-1*H*-benzimidazol-2-yl]carbamate, *see* N-00196

2-Methylthioadenosine 5′-(dihydrogen phosphate), M-00311

2-Methylthio-5′-adenylic acid, *see* M-00311

2-Methylthio-AMP, *see* M-00311

7-[4-(Methylthio)benzoyl]-5-benzofuranacetic acid, *see* T-00267

▷6-Methylthiochroman-7-sulfonamide 1,1-dioxide, *see* M-00319

▷6-(Methylthio)inosine, *in* T-00204

▷5-[(Methylthio)methyl]-3-[[(5-nitro-2-furanyl)methylene]-amino]-2-oxazolidinone, *see* N-00118

▷5-Methylthiomethyl-3-(5-nitrofurfurylideneamino)-oxazolidin-2-one, *see* N-00118

8β-[(Methylthio)methyl]-6-propylergoline, *see* P-00119

▷Methylthioninium chloride, *in* B-00208

6-(Methylthio)-4-oxo-3(4*H*)-quinazolineacrylic acid, *see* T-00235

3-[6-(Methylthio)-4-oxo-3(4*H*)-quinazolinyl]-2-propenoic acid, *see* T-00235

▷6-(Methylthio)-9-β-D-ribofuranosyl-9*H*-purine, *in* T-00204

▷Methylthiouracil, *see* D-00293

▷6-Methyl-2-thiouracil, *see* D-00293

▷1-Methyl-4-(thioxanthen-9-ylidene)piperidine, *see* P-00257

▷1-Methyl-4-(9*H*-thioxanthen-9-ylidene)piperidine, *see* P-00257

▷1-Methyl-3-(9*H*-thioxanthen-9-ylmethyl)piperidine, *see* M-00185

α-Methylthyroxine ethyl ester, *see* E-00241

▷1-Methyl-5-*p*-toluoylpyrrole-2-acetic acid, *see* T-00353

▷2-Methyl-3-*o*-tolyl-4(3*H*)-quinazolinone, *see* M-00172

▷2-Methyl-3-*o*-tolyl-6-sulfamoyl-7-chloro-1,2,3,4-tetrahydro-4-quinazolinone, *see* M-00330

Methyl 3,4,6-tri-*O*-acetyl-2-deoxy-2-fluoro-β-D-glucopyranoside, *in* D-00078

Methyl 3,5,6-tri-*O*-benzyl-D-glucofuranoside, *see* M-00032

α-Methyl-*N*-(2,2,2-trichloroethylidene)benzeneethanamine, *see* A-00366

α-Methyl-*N*-(2,2,2-trichloroethylidene)phenethylamine, *see* A-00366

2-Methyl-4-(2,2,2-trichloro-1-hydroxyethoxy)-2-pentanol, *see* C-00205

N-Methyl-*N*′-(2,2,2-trichloro-1-hydroxyethyl)urea, *see* M-00048

α-Methyltricyclo[3.3.1.1^{3,7}]decane-1-methanamine, *see* A-00063

2-[[[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridinyl]-methyl]-sulfinyl]-1*H*-benzimidazole, *see* L-00008

4,4′-[1-Methyl-2-(2,2,2-trifluoroethyl)]-1,2-ethanediylbis[2-fluorophenol], *in* T-00089

4,4′-[1-Methyl-2-(2,2,2-trifluoroethyl)-1,2-ethanediyl]bisphenol, *see* T-00089

▷α-Methyl-3-(trifluoromethyl)benzeneethanamine, *see* M-00312

▷α-Methyl-4-(trifluoromethyl)benzeneethanamine, *see* M-00313

1-Methyl-6-(trifluoromethyl)carbostyril, *see* M-00314

▷α-Methyl-*m*-(trifluoromethyl)phenethylamine, M-00312

▷α-Methyl-*p*-(trifluoromethyl)phenethylamine, M-00313

▷2-[[α-methyl-*m*-(trifluoromethyl)phenethyl]amino]ethyl benzoate, *see* B-00050

α-[[α-Methyl-*m*-(trifluoromethyl)phenethyl]carbamoyl]-*p*-acetanisidide, *see* F-00135

N-Methyl-3-[3-(trifluoromethyl)phenoxy]-1-azetidinecarboxamide, *see* F-00235

N-Methyl-γ-[4-(trifluoromethyl)phenoxy]benzenepropanamine, *see* F-00194

2-[[2-Methyl-3-(trifluoromethyl)phenyl]amino]-3-pyridinecarboxylic acid, *see* F-00169

▷2-[[1-Methyl-2-[3-(trifluoromethyl)phenyl]ethyl]amino]-ethyl benzoate, *see* B-00050

5-Methyl-*N*-[4-(trifluoromethyl)phenyl]-4-isoxazolecarboxamide, *see* L-00019

1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone, M-00314

1-Methyl-3-[4-(4-trifluoromethylthiophenoxy)-*m*-tolyl]-1,3,5-triazinanetrione, *see* T-00371

Methyl 9,11,15-trihydroxy-15-methylprosta-4,5,13-trien-1-oate, *see* P-00529

2-Methyl-*N*-[2,4,6-triiodo-3-[(1-morpholinoethylidene)-amino]-benzoyl]-β-alanine, *see* I-00123

5-Methyl-6-[[(3,4,5-trimethoxyphenyl)amino]methyl]-2,4-quinazolinediamine, *see* T-00514

4-[[2-Methyl-2-(3,4,5-trimethoxyphenyl)-1,3-dioxolan-4-yl]-methyl]morpholine, *see* T-00542

4-[4-Methyl-6-(2,6,6-trimethyl-1-cyclohexen-1-yl)-1,3,5-hexatrienyl]benzoic acid, *see* P-00054

Methyl 2,3,4-tri-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058

Methyl 2,3,4-tri-*O*-methyl-β-D-glucopyranosiduronamide, *in* G-00058

Methyl 3,5,6-tris-*O*-(phenylmethyl)-D-glucofuranoside, *see* M-00032

Methyltyramine, *see* A-00322

α-Methyltyrosine, *see* A-00273

N-Methyl-L-tyrosyl-γ-(methylsulfinyl)-D-α-aminobutyryl-*N*-[(1-hydroxymethyl)-2-phenylethyl]glycinamide, *see* S-00285

▷4-Methylumbelliferone, *see* H-00156

5-(*N*-Methyl-D-valine)cyclosporin *A*, *in* C-00638

▷1-Methyl-2-(2,6-xylylcarbamoyl)piperidine, *see* M-00101

▷1-Methyl-2-(2,6-xylyloxy)ethylamine, *see* M-00351

▷*N*-Methyl-*N*′-2,4-xylyl-*N*-(*N*-2,4-xylylformimidoyl)formamidine, *see* A-00349

1-Methylyohimbane, *see* M-00380

Methyndamine, *in* T-00119

Methynodiol, *see* M-00346

▷Methypranol, *see* M-00322

▷Methyprylon, *see* D-00249

▷Methyprylone, *see* D-00249

▷Methyridine, *see* M-00199

▷Methysergide, M-00315

▷Methysergide maleate, *in* M-00315

Methytrienolone, *in* H-00161

▷Metiamide, M-00316

▷Metiapine, M-00317

Metiazinic acid, *in* P-00168

Metibride, M-00318

Meticaine, *see* P-00292

Meticillin, *see* M-00180

▷Meticlorpindol, *see* D-00187

▷Meticrane, M-00319

▷Metidi, *in* D-00275

Metifenazone, *see* M-00273

▷Metigoline, *in* M-00347

▷Metilar, *in* P-00025

Metilcromone, *see* M-00231

▷Metildigoxin, *in* D-00275

▷Metilosulfonal, *see* B-00211

▷Metimazol, *see* D-00289

▷Metimyd, *in* P-00412

▷Metindamide, *see* I-00052

Metindizate, *see* M-00181

Metioprim, M-00320

Metioxate, M-00321

Metipirox, *in* D-00451

▷Metipranolol, M-00322

Metiprenaline, M-00323

Metirosine, *in* A-00273

▷Metisazone, *in* M-00264

▷Metitepine, M-00324

▷Metixene, *see* M-00185

▷Metixene hydrochloride, JAN, *in* M-00185

▷Metixopan, *see* P-00257

Metizoline, *see* M-00347

▷Metizoline hydrochloride, *in* M-00347

Metkefamide, M-00325

Metkefamide acetate, *in* M-00325

Metochalcone, *in* D-00346

Metocinium(1+), M-00326

Metocinium iodide, *in* M-00326

Metoclopramide hydrochloride, *in* M-00327

▷Metoclopramide, M-00327

Metocurine chloride, *in* T-00571
▷Metocurine iodide, *in* C-00309
▷Metodiklorofen, *see* D-00124
Metoesital, *see* M-00187
▷Metofane, *see* D-00183
▷Metofenazate, *in* P-00129
▷Metofoline, M-00328
Metofurone, *see* C-00213
Metogest, M-00329
▷Metol, *in* A-00298
▷Metolazone, M-00330
▷Metomidate, M-00331
▷Metopimazine, M-00332
▷Metopirone, *see* M-00248
▷Metopon, M-00333
▷Metoprine, *see* D-00124
▷Metoprolol, M-00334
Metoprolol tartrate, JAN, *in* M-00334
▷Metopryl, *see* M-00214
Metoquizine, M-00335
▷Metoran, *see* F-00130
▷Metorena, *in* T-00337
Metorene, *see* N-00022
Metorphamide, *see* A-00078
Metoserpate, M-00336
▷Metoserpate hydrochloride, *in* M-00336
Metostilenol, M-00337
▷Metosuccimide, *see* D-00447
▷Metosyn, *see* F-00173
▷Metoxadone, *see* M-00095
Metoxal, *in* H-00112
Metoxepin, M-00338
▷Metoxiprofilin, *see* X-00003
Metra, *in* M-00290
Metrafazoline, M-00339
Metralindole, M-00340
▷Metraspray, *see* T-00104
▷Metravigor, *see* A-00291
Metrazifone, M-00341
▷Metrazol, *see* T-00133
Metrenperone, M-00342
Metribolone, *in* H-00161
▷Metrifonate, *see* T-00443
Metrifudil, *in* A-00067
▷Metriphonate, *see* T-00443
▷Metrizamide, M-00343
Metrizoate sodium, *in* D-00138
▷Metrizoic acid, *in* D-00138
Metrodin, *see* U-00015
▷Metrodiol, *in* E-00227
▷Metrogestone, *see* M-00057
Metrolax, *in* B-00234
▷Metronal, *see* D-00557
▷Metronidazole, M-00344
Metronidazole benzoate, *in* M-00344
Metronidazole carbamate, *in* M-00344
Metronidazole hydrochloride, *in* M-00344
Metronidazole hydrogen succinate, *in* M-00344
Metronidazole phosphate, *in* M-00344
Metropin, *in* E-00037
▷Metropine, *in* T-00554
▷Metscufylline, *in* E-00137
▷Metsulnitol, *in* M-00018
[Met^5,$Tyr(SO_3H)^{12}$]Gastrin, *in* G-00012
▷Metubine iodide, *in* C-00309
Meturedepa, M-00345
Metycaine, *see* P-00292
Metynodiol, M-00346
Metynodiol diacetate, *in* M-00346
▷Metyrapone, *see* M-00248
▷Metyrapone tartrate, *in* M-00248
▷Metyridine, *see* M-00199
Metyrosine, *in* A-00273
Metyzoline, M-00347
▷Mevalon, *see* H-00170
Mevastatin, *see* C-00539
▷Mevinolin, M-00348
Mexafylline, M-00349
▷Mexan, *see* M-00194
▷Mexate, *see* M-00192
▷Mexazolam, M-00350
Mexenone, *see* H-00150
▷Mexephenamide, *see* M-00067
▷Mexilen, *in* M-00351
▷Mexiletine, M-00351
▷Mexiletin hydrochloride, *in* M-00351
Mexiprostil, M-00352
▷Mexitec, *in* M-00351
▷Mexitil, *in* M-00351
▷Mexitilen, *in* M-00351
▷Mexocine, *in* D-00064
▷Mexolamine, M-00353
Mexoprofen, M-00354
Mexrenoate potassium, *in* M-00355
Mexrenoic acid, M-00355
Mezacopride, *in* Z-00002
Mezacopride hydrochloride, *in* Z-00002
▷Mezcaline, *see* M-00131
Mezepine, M-00356
▷Mezilamine, M-00357
▷Mezlin, *see* M-00358
▷Mezlocillin, M-00358
▷Mezlocillin sodium, *in* M-00358
Mezolidon, M-00359
MF 272*a*, *see* N-00129
MF 934, *see* R-00104
M-FA 142, *see* A-00356
MFA 285, *see* T-00362
▷MG 46, *in* C-00456
M.G. 137, *in* D-00257
MG-143, *in* D-00332
MG 1480, *see* S-00016
▷MG 1559, *see* B-00179
▷MG 2552, *see* C-00264
▷MG 2555, *see* B-00313
Mg 4833, *in* F-00040
▷MG 5454, *see* G-00092
▷MG 559, *see* D-00382
MG 5771, *in* B-00179
MG 624, *in* S-00155
M.G. 652, *in* O-00081
MG 8823, *see* E-00279
▷M.G. 8823, *in* E-00279
M.G. 8926, *see* D-00609
M.G. 13054, *in* F-00075
▷MG 13608, *see* I-00107
MG 23010, *see* S-00270
MG 28362, *see* T-00380
M 4365G_1, *in* R-00025
MG 13105-1, *in* B-00338
▷MGA, *in* M-00078
▷MGBG, *see* M-00402
MG 883-12F_2, *in* S-00162
▷M-I-36, *in* A-00272
▷217 MI, *in* E-00010
M 123-I 123, *see* I-00110
Miagret, *in* P-00202
▷Mialex, *see* F-00043
▷Miansan, *in* M-00360
Mianserin, M-00360
▷Mianserin hydrochloride, *in* M-00360
▷Miantor *S*, *see* E-00258
▷Miaquin, *in* A-00353
▷Miarsenol, *see* N-00066
▷Miazol, *see* A-00225
▷Mibolerone, M-00361
▷Micefal, *see* P-00062
Micinicate, M-00362
▷Miclast, *in* C-00612
Micofur, *in* N-00177
▷Micomicen, *in* C-00612
▷Miconazole, M-00363

▷Miconazole nitrate, *in* M-00363
Miconen, *in* C-00566
Miconen, *in* C-00569
Micoren, *in* C-00569
Micoserina, *see* A-00277
Micridium, *see* H-00074
▷Microban, *in* A-00205
▷Microdiol, *in* D-00099
▷Microgynon, *in* E-00231
Microgynon, *in* N-00218
▷Micro-K, *see* P-00391
Microlut, *in* N-00218
▷Micronomicin, *in* G-00018
▷Micronor, *in* N-00212
Microval, *in* N-00218
▷Mictine, *see* A-00291
▷Mictone, *in* B-00143
Mictonetten, *see* P-00507
Mictonorm, *see* P-00507
▷Micutrin, *see* C-00223
Midafenone, *see* N-00193
▷Midaflur, M-00364
Midaglizole, M-00365
Midalcipran, *see* M-00376
Midamaline, M-00366
Midamine, *in* M-00369
▷Midantan, *see* A-00206
Midazogrel, M-00367
Midazolam, M-00368
Midazolam hydrochloride, *in* M-00368
▷Midazolam maleate, *in* M-00368
▷Midecacine, *see* P-00371
▷Midecamycin A_1, *see* P-00371
▷Midecamycin, *see* P-00371
▷Midecin, *see* P-00371
▷Midicel, *see* S-00246
▷Midocil, *see* T-00353
Midodrine, M-00369
Midodrine hydrochloride, *in* M-00369
Midol, *in* C-00371
▷Midrid, *in* T-00433
MIF, *see* M-00074
Mifegyne, *see* M-00371
Mifentidine, M-00370
Mifepristone, M-00371
▷Mifobate, M-00372
Miforon, *in* D-00372
Mifurol, *see* C-00082
Miglitol, M-00373
▷Migraleve, *in* B-00210
Migraleve, *in* C-00525
Migrenon, *see* I-00156
▷Migrinil, *in* M-00256
▷Mikamycin, *in* O-00068
Mikamycin *A*, *see* O-00068
▷Mikanoidine, *see* S-00025
▷Mikelan, *in* C-00102
Mikol, *in* D-00361
Milacemide, *see* P-00106
Milacemide hydrochloride, *in* P-00106
▷Milavir, *see* A-00060
▷Mil-Col, *see* D-00601
▷Mildurgen, *see* A-00466
Milenperone, M-00374
Milheparine, *in* E-00137
▷Milibis, *see* G-00069
▷Milid, *see* P-00468
Milipertine, M-00375
▷Milkinol, *in* B-00210
Milk of Magnesia, *see* M-00008
Millicaine, *in* B-00145
Millicortenol, *in* D-00111
Millicorten-TMA, *in* D-00111
▷Milligynon, *in* N-00212
▷Millophylline, *in* E-00137
Milnacipran, M-00376
Mi-Lonseren, *in* P-00302
▷Milontin, *see* M-00294
▷Milonton, *see* M-00294
▷Miloxacin, M-00377
Milpath, *in* T-00454
Milrinone, M-00378
▷Milsulvan, *see* S-00259
▷Miltown, *see* M-00104
Milverine, M-00379
Mimbane, M-00380
Mimbane hydrochloride, *in* M-00380
▷Mimedran, *in* D-00313
Mimimycin, *in* M-00022
Minalfene, *see* A-00138
Minaline, *see* P-00596
Minaprine, M-00381
Minaxolone, M-00382
▷Mincard, *see* A-00291
Mindodilol, M-00383
▷Mindolic acid, *see* C-00468
Mindoperone, M-00384
▷Minelcin, *in* B-00082
▷Minelco, *in* B-00082
▷Minelsin, *in* B-00082
▷Minepentate, M-00385
▷Minette, *in* L-00121
Minias, *see* L-00097
Minicid, *see* D-00307
▷Minihep calcium, *in* H-00026
▷Minilyn, *in* E-00231
▷Minilyn, *in* L-00121
▷Minipress, *in* P-00409
Minirin, *see* D-00097
▷Minocil, *see* A-00246
▷Minocrin, *in* A-00205
Minocromil, M-00386
▷Minocycline, M-00387
▷Minocycline hydrochloride, *in* M-00387
▷Minocyn, *in* M-00387
Minodiab, *see* G-00042
▷Minolip, *see* B-00050
▷Minona, *see* M-00388
▷Minoral, *see* A-00023
Minorine, *see* V-00033
Minoten, *in* O-00100
▷Minovlar, *in* N-00212
▷Minoxidil, M-00388
Minozinan, *in* M-00193
Minpeimine, M-00389
Minpeiminine, M-00390
▷Minprog, *in* D-00341
▷Minprostin E_2, *in* D-00339
Minrin, *see* D-00097
▷Mintacol, *see* P-00027
▷Mintezol, *see* T-00171
▷Mintic, *see* M-00199
Mint-O-Mag, *see* M-00008
▷Mintrate, *in* M-00428
Minurin, *see* D-00097
▷Mioblock, *in* P-00012
▷Miochol, *in* A-00030
▷Miocorden, *in* C-00030
Miocrin, *in* M-00115
Mioflazine, M-00391
Mioflazine hydrochloride, *in* M-00391
Miokinine, *in* O-00059
▷Miokon-Sodium, *in* D-00138
▷Miolene, *in* R-00067
▷Miopat, *in* D-00275
Miospasm, *in* M-00379
▷Miotisal *A*, *see* P-00027
▷Miotolon, *see* F-00283
Mipimazole, M-00392
▷Miracil *D*, *in* L-00110
▷Miracol, *in* L-00110
Miracrid, *see* U-00005

▷Miradon, *see* M-00212
▷Mirbanil, *see* S-00259
Mirbedal, *in* M-00002
Mirenil prolongatum, *in* F-00202
▷Miretilan, *in* E-00050
Mirincamycin, M-00393
Mirincamycin hydrochloride, *in* M-00393
Miristalkonium, *see* B-00116
▷Miristalkonium chloride, *in* B-00116
Mirofina, *see* M-00477
▷Miroistonil, *in* D-00387
▷Miromorfalil, *in* N-00032
▷Mirontin, *see* M-00294
▷Miroprofen, M-00394
Mirosamicin, *see* M-00474
▷Mirulevatin, *see* T-00479
▷Misonidazole, M-00395
Misoprostol, M-00396
▷Mistaprel, *in* I-00198
▷Mitaban, *see* A-00349
▷Mitac, *see* A-00349
Mitanoline, *in* D-00511
▷Mitarson, *see* D-00047
▷Mithracin, *see* M-00397
▷Mithramycin, M-00397
Mitigal, *see* D-00456
Mitindomide, M-00398
▷Mitiromycin *D*, *see* P-00388
▷Mitiromycin *E*, *see* M-00404
Mitobronitol, *see* D-00164
▷Mitocin *C*, *see* M-00404
▷Mitoclomine, M-00399
▷Mitocromin, M-00400
Mitoflaxone, *see* O-00136
Mitogillin, M-00401
▷Mitoguazone, M-00402
▷Mitolactol, *see* D-00163
▷Mitomalcin, M-00403
▷Mitomycin, *see* M-00404
▷Mitomycin *C*, M-00404
▷Mitomycin *S*, *see* M-00404
Mitomycin D, *in* P-00388
Mitomycin E, *in* P-00388
▷Mitonafide, M-00405
▷Mitopodozide, *in* P-00376
Mitoquidone, *see* D-00279
Mitoquinone, *see* C-00531
▷Mitotane, *see* D-00180
Mitotenamine, M-00406
▷Mitoxana, *see* I-00021
Mitoxantrone, *see* M-00407
▷Mitoxantrone hydrochloride, *in* M-00407
Mitozantrone, M-00407
▷Mitozolomide, M-00408
Mitronal, *see* C-00372
Mivacurium(2+), M-00409
Mivacurium chloride, *in* M-00409
Mixidine, M-00410
▷Mixogen, *in* O-00028
▷Mizoribine, *see* B-00267
▷MJ 1986, *in* D-00413
▷MJ 1987, *in* M-00142
MJ 1988, *see* E-00181
▷MJ 1992, *in* S-00107
▷MJ 1998, *in* M-00148
▷MJ 1999, *in* S-00106
▷MJ 4309, *in* O-00147
▷MJ 5022, *in* M-00177
▷MJ 5048, *see* D-00393
▷MJ 5054, *see* P-00459
▷MJ 5190, *in* A-00191
▷MJ 5373, *in* M-00078
▷MJ 10061, *see* B-00072
MJ 12504, *see* C-00273
▷MJ 9022-1, *see* B-00378
MJ 9067-1, *see* E-00044
MJ 9184-1, *in* Z-00022
MJ 12880-1, *in* T-00317
MJ 13,754-1, *in* N-00061
MJ 13805-1, *in* G-00019
MJ 12,175-170, *in* T-00316
MJ 13401-1-3, *in* F-00072
▷MJF 9325, *see* I-00021
MJF 10938, *see* X-00017
▷MK 02, *see* B-00104
MK 57, *see* M-00243
▷MK 75, *in* B-00231
▷MK 89, *see* A-00390
MK 0787, *see* I-00039
▷MK 103, *see* M-00319
▷MK 130, *in* C-00597
MK-135, *see* B-00088
MK 185, *see* H-00008
▷MK 188, *in* D-00035
MK 196, *see* I-00049
▷MK 202, *see* M-00175
▷MK 250, *see* E-00042
MK 264, *in* F-00234
MK 302, *see* A-00448
▷MK 325, *see* C-00307
MK 356, *in* P-00362
▷MK 366, *see* N-00214
MK 401, *see* C-00503
MK-421, *in* E-00043
MK-422, *see* E-00043
▷MK 486, *see* C-00050
MK 521, *see* L-00057
▷MK 621, *see* E-00020
MK 641, *in* A-00258
MK 642, *in* P-00100
MK 650, *see* C-00551
▷MK 665, *see* E-00226
MK 681, *in* T-00457
MK 733, *see* S-00075
MK 781, *in* A-00273
MK 791, *in* C-00342
MK 797, *in* C-00342
MK 801, *in* D-00560
MK 810, *see* Q-00015
MK 835, *in* F-00185
▷MK 905, *see* C-00020
MK 915, *see* F-00166
▷MK 933, *see* I-00225
▷MK 955, *in* M-00276
▷MK 965, *see* A-00458
▷MK 990, *see* R-00003
ML 100, *see* M-00023
▷ML 1024, *see* T-00168
▷ML 1065, *see* R-00001
ML 236B, *see* C-00539
▷MM 14151, *in* C-00410
▷MMDA, *see* M-00201
MN 1695, *in* I-00173
▷MNA, *in* P-00600
▷MO 1255, *in* C-00636
▷MO 482, *see* D-00442
MO 8282, *see* T-00123
▷MOB, *in* D-00318
▷Moban, *in* M-00423
Mobecarb, M-00411
Mobenzoxamine, M-00412
Mobisyl, *in* H-00112
▷Mobutazon, *see* M-00420
▷Mocimycin, M-00413
Mociprazine, M-00414
Moclobemide, M-00415
Moctamide, M-00416
▷Modacor, *in* O-00151
Modafinil, M-00417
Modaline, *see* M-00296
▷Modaline sulfate, *in* M-00296
Modatrop, *in* M-00288

▷Modecate, *in* F-00202
Moderil, *in* R-00028
Modicard, *in* F-00114
▷Modirax, *see* H-00061
▷Moditen, *in* F-00202
▷Moditen, *in* F-00202
▷Modrastane, *see* T-00489
▷Modrenal, *see* T-00489
▷Modulator, *see* B-00050
Modus, *see* P-00020
▷Modustatine, *see* S-00098
Moebinol, *see* C-00415
Moenomycin, M-00418
Moenomycin *A*, *in* M-00418
Moenomycin *C*, *in* M-00418
Moenomycins *D-H*, *in* M-00418
Moenomycins B_1 and B_2, *in* M-00418
Moexipril, M-00419
▷Mofebutazone, M-00420
▷Mofedione, *see* O-00097
▷Mofoxime, M-00421
▷Mogadon, *see* N-00170
Mokkolactone, M-00422
▷Molcer, *in* B-00210
Molfarnate, *in* T-00513
Molinazone, *see* M-00451
▷Molindone, M-00423
▷Molindone hydrochloride, *in* M-00423
▷Molivate, *in* C-00437
Molracetam, M-00424
▷Molsidain, *see* M-00425
▷Molsidolat, *see* M-00425
▷Molsidomine, M-00425
▷Molsiton, *see* M-00425
Mometasone, M-00426
Mometasone furoate, *in* M-00426
▷Monacolin *K*, *see* M-00348
▷Monacrin, *in* A-00205
▷Monadyl, *in* M-00064
Monalazone, M-00427
Monalazone disodium, *in* M-00427
▷Monase, *in* A-00222
▷Monazan, *see* M-00420
Moncler, *see* M-00456
▷Monelan, *in* M-00428
▷Monensic acid, *in* M-00428
▷Monensin, M-00428
▷Monensin *A*, *in* M-00428
Monensin *B*, *in* M-00428
Monensin *C*, *in* M-00428
Monensin *D*, *in* M-00428
▷Monicin, *see* C-00199
▷Moniflagon, *see* T-00072
Monil, *in* E-00003
▷Monistat, *in* M-00363
Monkey, *in* M-00075
Mono-7-*HR*, *in* R-00106
Monoacetoxyscirpenol, *in* A-00386
Monoacetylacoschimperoside P, *in* T-00474
Monoacetyl vallaroside, *in* D-00274
▷Monobactam, *see* A-00533
▷Monobeltin, *in* B-00369
▷Monobenzone, *see* B-00124
▷Monobutyl, *see* M-00420
Monocaine, *see* M-00299
▷α-Monochlorohydrin, *see* C-00278
Monocid, *in* C-00135
▷Monocortin, *in* P-00025
Monocortin *S*, *in* P-00025
▷Mono[1-[5-(2,5-dihydro-5-oxo-3-furanyl)-3-methyl-2-benzofuranyl]ethyl] butanedioate, *see* B-00053
Mono-2-dimethylaminoethanol dihydrogen phosphate, *see* D-00059
▷Monodral bromide, *in* P-00095
Monoethanolamine oleate, *in* A-00253
Mono(1-ethyl-1-methyl-2-propynyl) 1,2-benzenedicarboxylate, *see* P-00224
Mono(1-ethyl-1-methyl-2-propynyl) phthalate, *see* P-00224
Mono-(3-glycyrrhetyl)cyclohexane-1,2-dicarboxylic acid, *see* C-00337
Monohydroxymercuridiiodoresorcinsulfonephthalein, *see* M-00111
Monoiodotyrosine, *see* A-00276
▷Monoisonitrosoacetone, *in* P-00600
Monomestro, *in* D-00257
Monometacrine, M-00429
Monomethyltetrandrinium, *in* T-00152
▷Monomycin, *see* P-00039
Mono-O-acetylsolanoside, *in* D-00274
▷Monopar, *in* S-00152
Monoparin, *in* H-00026
▷Monophosphoriboflavin, *in* R-00038
Monophosphothiamine chloride, *in* T-00174
Monorhein, *see* D-00309
Monoserina, *in* P-00220
▷Monosodium methylarsonate, *in* M-00226
▷Monosulfiram, M-00430
▷Monotheamin, *in* T-00169
▷Mono(2,2,2-trichloroethyl) phosphate, *see* T-00450
Monoverin, *in* D-00490
Monoxerutin INN, *in* R-00106
Monoxychlorosene, *see* O-00148
▷Monozol, *in* D-00257
▷Monteban, *see* N-00050
Montirelin, M-00431
▷Montrel, *see* C-00572
Montricin, *in* P-00042
Monzal, *in* V-00027
Monzaldon, *in* V-00027
Moogrol, *in* C-00627
▷Mopazine, *in* M-00190
Moperone, M-00432
▷Moperone hydrochloride, JAN, *in* M-00432
▷Mopidamol, M-00433
Mopidralazine, M-00434
Moprolol, M-00435
▷Moquizone, M-00436
Moracizine, *see* M-00442
▷Moradol, *in* B-00417
Moramide, M-00437
Moranoline, *in* T-00481
▷Morantel, M-00438
▷Morantel tartrate, *in* M-00438
▷Moranyl, *see* S-00275
▷Morazone, M-00439
▷Morclofone, M-00440
▷Morfine, *see* M-00449
▷Morfolep, *see* M-00453
▷Morforex, M-00441
▷Morial, *see* M-00425
Moricizine, M-00442
Morinamide, M-00443
▷Mornidine, *see* P-00273
Morniflumate, M-00444
Morocromen, M-00445
Moroxydine, M-00446
Morphazinamide, *see* M-00443
Morpheridine, M-00447
Morphetylbutyne, *see* P-00480
Morphiceptin, *in* T-00582
Morphinan-3-ol, M-00448
▷Morphine, M-00449
▷Morphine diacetate, *see* H-00034
Morphine N-oxide, *in* M-00449
Morphocycline, M-00450
Morphodone, *see* P-00138
4-Morpholinecarboximidoylguanidine, *see* M-00446
3-Morpholino-1,2,3-benzotriazin-4-3*H*-one, *see* M-00451
▷Morpholinobiguanide hydrochloride, *in* M-00446
1-(4-Morpholino-2,2-diphenylbutyryl)pyrrolidine, *see* D-00096
▷*N*-Morpholinoethylamphetamine, *see* M-00441
β-Morpholinoethyl benzhydryl ether, *see* D-00496

2-Morpholinoethyl 2-methyl-2-phenoxypropionate, *see* P-00480
▷3-(2-Morpholinoethyl)morphine, *see* P-00212
Morpholinoethylnorpethidine, *in* M-00447
1-(2-Morpholinoethyl)-4-phenylisonipecotic acid ethyl ester, *see* M-00447
3-(Morpholinomethyl)-1-[(5-nitrofurfurylidene)amino]-hydantoin, *see* N-00121
▷5-(Morpholinomethyl)-3-[(5-nitrofurfurylidene)amino]-2-oxazolidinone, *see* F-00281
▷2-(Morpholinomethyl)-2-phenyl-1,3-indanedione, *see* O-00097
N-(4-Morpholinomethyl)pyrazinecarboxamide, *see* M-00443
N-(Morpholinomethyl)tetracycline, *see* M-00450
3-Morpholinosydnonimine, *see* L-00052
4-(Morpholinothiocarbonyl)guiacol, *see* V-00009
3-(4-Morpholinyl)-1,2,3-benzotriazin-4(3*H*)-one, M-00451
6-(4-Morpholinyl)-4,4-diphenyl-3-heptanone, *see* P-00138
3-[[2-(4-Morpholinyl)ethyl]amino]-6-phenyl-4-pyridazinecarbonitrile, *see* B-00019
1-[2-(4-Morpholinyl)ethyl]-4-phenyl-4-piperidinecarboxylic acid ethyl ester, *see* M-00447
2-(4-Morpholinylethyl) 2-[[3-(trifluoromethyl)phenyl]-amino]-3-pyridinecarboxylate, *see* M-00444
▷5-(4-Morpholinylmethyl)-3-[[(5-nitro-2-furanyl)methylene]-amino]-2-oxazolidinone, *see* F-00281
▷2-(4-Morpholinylmethyl)-2-phenyl-1*H*-indene-1,3(2*H*)-dione, *see* O-00097
1-(4-Morpholinylmethyl)-2-(6,7,8-trimethoxy-4-oxo-1,2,3-benzotriazin-3(4*H*)-yl)ethyl 3,4,5-trimethoxybenzoate, *see* R-00014
4-Morpholinyl 3-pyridyl ketone, *see* P-00576
Morpholinyl salicylamide, *see* H-00115
3-(4-Morpholinyl)sydnone imine, *see* L-00052
Morphothebaine, M-00452
▷Morsuccinimide, *see* M-00453
▷Morsuximide, M-00453
▷Morsydomine, *see* M-00425
▷Morsydomine, *see* M-00425
▷Mosatil, *in* E-00186
▷Mosegor, *in* P-00368
▷Mosidal, *see* H-00067
▷Mostarina, *see* P-00411
Motapizone, M-00454
▷Motazomin, *see* M-00425
▷Motisil, *see* G-00065
Motofen, *see* D-00265
Motrazepam, M-00455
Motretinide, M-00456
Motrin, *see* I-00008
▷Movellan, *in* S-00167
Moveltipril, M-00457
Movilene, *in* D-00315
Movirene, *in* D-00315
Moxa, *see* M-00323
▷Moxadil, *see* A-00362
Moxadolen, M-00458
Moxalactam, *see* L-00012
Moxalactam disodium, *in* L-00012
Moxaprindine, M-00459
▷Moxastine, M-00460
Moxaverine, M-00461
Moxazocine, M-00462
▷Moxestrol, M-00463
Moxicoumone, M-00464
Moxile, *see* M-00464
▷Moxipraquine, M-00465
Moxiraprine, M-00466
▷Moxisylyte, *see* T-00227
▷Moxitil, *in* M-00351
▷Moxnidazole, M-00467
Moxonidine, M-00468
▷MP 11, *see* P-00126
MP 1051, *see* S-00072
▷MP-271, *see* I-00134
MP 328, *see* I-00146
MP 600, *see* B-00144
MP-6026, *see* I-00112
▷MP 620, *see* I-00094
▷MP-8000, *see* I-00113
MP 10013, *see* I-00116
MPCA, *see* L-00046
▷MPI-DMSA, *in* D-00384
MPT, *see* D-00429
MPU 295, *see* T-00505
MPV 117, *see* T-00018
MPV 1248, *see* A-00469
MPV 207, *see* D-00446
MPV 295, *see* D-00445
▷MR 1291, *in* P-00286
MR 693, *see* G-00094
MR 981, *see* E-00202
MRA-CN, *in* A-00080
MRIH, *see* M-00074
MRL 38, *see* D-00217
▷MS 4101, *see* F-00225
▷Ms 752, *in* L-00110
▷MSD 803, *see* M-00348
MSD 883, *in* M-00348
β-MSH, *see* M-00075
▷MSMA, *in* M-00226
▷MT 6, *in* M-00118
MT 141, *see* C-00133
▷MT 14-411, *see* C-00517
MTB, *see* T-00039
▷MTDQ, *see* M-00250
5 MTHHF, *in* K-00021
MTI 500, *see* E-00249
MTS 263, *see* T-00551
Mucalan, *see* I-00177
▷Mucidermin, *see* M-00469
▷Mucidin, M-00469
▷Mucitux, *in* E-00091
▷Mucodyne, *in* C-00654
Mucoflux, *see* H-00162
▷Mucomycin, *see* L-00120
▷Mucomyst, *in* A-00031
▷Muconomycin *A*, *see* V-00023
▷Mucorama rectal infantil, *see* I-00103
▷Mucorex, *see* T-00129
Mucovent, *in* A-00170
▷Mukolen, *in* E-00091
▷Mulsopaque, *see* I-00127
▷Multergan, *in* T-00182
▷Multezin, *in* T-00182
▷Multhiomycin, *see* N-00227
Multi-CSF, *see* I-00082
Multimycine, *in* C-00536
Multipotential colony-stimulating factor, *see* I-00082
▷Multiwurma, *see* H-00021
▷Multocillin, *see* M-00358
▷Mupaten, *in* I-00183
▷Mupirocin, *see* P-00552
Murabutide, M-00470
▷Muracin, *see* D-00293
Muriat, *in* B-00140
Murine, *in* T-00140
▷Murine, *in* U-00011
Murocainide, M-00471
Muroctasin, M-00472
Murode, *in* D-00267
▷Musaril, *see* T-00154
Muscalm, *in* T-00364
▷Muscatox, *see* C-00555
▷Muscimol, *see* A-00283
▷Musco-Ril, *see* T-00199
▷Musonal, *in* Q-00010
▷Mustargen, *in* D-00193
▷Mustine, *see* D-00193
▷Mustron, *in* D-00193
▷Mutamicin 6, *see* P-00099
▷Mutamycin, *see* M-00404

▷Mutil, *see* Z-00031
▷Muzolimine, M-00473
MW 1900, *see* T-00056
MY 25, *in* E-00106
▷My 101, *see* A-00103
MY-33-7, *in* L-00105
▷MY 33-7, *in* P-00432
▷MY 41-6, *see* P-00041
MY 5116, *see* R-00024
Myagen, *in* H-00123
▷Myalex, *see* F-00043
▷Myalone, *in* C-00437
▷Myambutol, *in* E-00148
▷Myarl, *see* C-00079
▷Myarsenol, *in* D-00127
▷Myavan, *see* T-00361
MYC 1080, *in* S-00146
▷MYC 8003, *see* M-00413
▷Mycadrine, *in* A-00322
▷Mycanden, *see* H-00018
▷Mycil, *see* C-00261
▷Mycilan, *see* H-00018
Mycinamycin I, *in* M-00474
Mycinamycin II, M-00474
▷Mycobacidin, *see* A-00039
▷Mycocten, *in* H-00113
▷Mycogonin, *see* B-00165
▷Mycoin C_3, *see* P-00043
▷Mycophenolic acid, M-00475
▷Mycophyt, *see* P-00253
▷Mycosert, *in* A-00205
Mycospor, *see* B-00164
Mycosporan, *see* B-00164
▷Mycostatin, *see* N-00235
Mycotol, *see* D-00143
▷Mydecamycin, *see* P-00371
▷Mydocalm, *see* T-00364
▷Mydrapred, *in* P-00412
Mydriacyl, *see* T-00552
Mydriamide, *see* B-00434
▷Mydriatine, *in* A-00308
▷Mydrilate, *in* C-00631
Myebrol, *see* D-00164
Myelobromol, *see* D-00164
▷Myelodil, *see* I-00127
Myelografin, *see* I-00135
▷Myelosan, *see* B-00379
▷Myelotrast, *see* I-00093
Myfadol, M-00476
Myfungar, *in* O-00111
Mykoplex, *see* S-00183
Mykosal, *in* B-00202
Mylanta, *in* D-00390
Mylanta, *in* M-00008
▷Mylaxen, *in* H-00046
▷Myleran, *see* B-00379
Mylicon, *in* D-00390
Mylis, *in* H-00110
▷Mylosar, *see* A-00496
▷Myoblock, *in* P-00012
▷Myocholine, *in* B-00143
Myochrysin, *in* M-00115
Myocrisin, *in* M-00115
▷Myodil, *see* I-00127
Myoflex, *in* H-00112
Myoinositol, *see* I-00074
▷Myolastan, *see* T-00154
▷Myomergin, *in* M-00254
Myonal, *in* E-00072
Myordil, *see* A-00341
▷Myorelax, *in* H-00046
▷Myorgal, *in* A-00167
▷Myospaz, *see* S-00169
▷Myprozine, *see* P-00253
Myralact, *in* H-00133
Myricadine, *see* M-00477
▷Myringacaine, *see* C-00247
Myrophine, M-00477
Myroxim, *in* F-00234
▷Myrtecaine, M-00478
Mysal, *in* H-00112
▷Mysoline, *see* P-00436
▷Mysuran, *in* A-00167
Mytelase, *see* A-00167
▷Mytolon chloride, *in* B-00096
Myxal-Lösung, *in* D-00568
▷Myxin, *see* H-00152
Myxoviromycin, *see* A-00192
MZ 144, *see* R-00055
▷N-0252, *see* L-00015
N 0500, *in* N-00053
▷N 1113, *in* P-00299
▷N-1157, *see* T-00544
N 137, *see* C-00047
N 399, *see* X-00011
N 640, *in* T-00399
N 696, *in* T-00274
▷N 7001, *in* M-00081
▷N 7009, *see* F-00198
▷N 7020, *see* M-00106
N 7049, *see* L-00061
▷N 746, *in* C-00481
Na 3, *see* D-00497
▷NA 66, *see* P-00288
▷NA 97, *in* P-00012
NA-119, *see* B-00283
▷NA 872, *see* A-00170
▷N 9940A, *see* G-00085
Naaxia, *in* I-00211
▷NAB, *see* N-00066
NAB 365, *see* C-00419
Nabazenil, N-00001
Nabidrox, *in* C-00025
▷Nabilone, N-00002
Nabitan, N-00003
▷Nabitan hydrochloride, *in* N-00003
Naboctate, N-00004
Naboctate hydrochloride, *in* N-00004
Nabumetone, *see* M-00206
▷Nabutan hydrochloride, *in* N-00003
Nacartocin, N-00005
▷Nacemide, *see* A-00033
N-Acetylboromycin, *in* B-00258
N-Acetylhistamine, *in* H-00077
N-Acetylisopenicillin N, *in* P-00066
N-Acetylmescaline, *in* M-00131
N^3-Acetylpachysamine A, *in* P-00416
N^1-Acetylparomomycin I, *in* P-00039
Nacid, *see* H-00103
N-A 1523Cl, *in* D-00060
Naclobenz-Natrium, *in* M-00427
Nactate, *in* P-00378
Nacton, *in* P-00378
▷NAD, *see* C-00530
Nadex, *in* P-00336
Nadexen, *in* P-00336
Nadexon, *in* P-00336
▷Nadic, *see* N-00006
Nadic anhydride, *in* B-00157
▷Nadide, *see* C-00530
▷Nadolol, N-00006
Nadoxolol, N-00007
▷Nadyl, *in* E-00094
▷Naepaine, N-00008
Nafamostat, N-00009
Nafamostat mesilate, *in* N-00009
Nafamstat, *see* N-00009
Nafarelin, N-00010
Nafarelin acetate, *in* N-00010
Nafazatrom, N-00011
▷Nafazolin, *in* N-00041
▷Nafcaproic acid, *see* E-00210

▷Nafcil, *in* N-00012
Nafcillin, N-00012
▷Nafcillin sodium, *in* N-00012
Nafenodone, N-00013
▷Nafenoic acid, *see* N-00014
▷Nafenopin, N-00014
Nafetolol, N-00015
Nafidimide, *see* A-00356
Nafimidone, N-00016
Nafimidone hydrochloride, *in* N-00016
Nafiverine, N-00017
▷Nafiverine hydrochloride, *in* N-00017
Naflocort, N-00018
Nafomine, N-00019
Nafomine maleate, USAN, *in* N-00019
Nafoxadol, N-00020
▷Nafoxidine, N-00021
▷Nafoxidine hydrochloride, *in* N-00021
▷Nafronyl, *see* N-00023
▷Nafronyl oxalate, *in* N-00023
▷Naftalofos, *see* N-00042
Naftazone, N-00022
▷Nafticlorina, *see* B-00198
Naftidan, *see* N-00017
▷Naftidrofuryl, N-00023
▷Naftidrofuryl oxalate, *in* N-00023
Naftifine, N-00024
Naftifine hydrochloride, *in* N-00024
Naftifungin, *see* N-00024
▷Naftifurine oxalate, *in* N-00023
▷Naftimepezine, *in* N-00017
▷Naftipramide, *see* N-00027
Naftobil, *see* M-00208
▷Naftopen, *in* N-00012
Naftopidil, N-00025
Naftoxate, N-00026
▷Naftypramide, N-00027
▷Nagamol, *see* S-00275
▷Naganin, *see* S-00275
Nagir, *see* A-00122
NAK 1654, *see* F-00051
▷Nalador, *see* S-00261
Nalbuphine, N-00028
Nalbuphine hydrochloride, *in* N-00028
▷Nalde, *in* A-00191
Nalfon, *in* P-00172
Nalgesic, *in* P-00172
▷Nalidixanum, *see* N-00029
Nalidixate sodium, *in* N-00029
▷Nalidixic acid, N-00029
▷Nalidixin, *see* N-00029
▷Naline, *in* N-00032
▷Nallpen, *in* N-00012
N-Allylnorgalanthamine, *in* G-00002
Nalmefene, N-00030
Nalmetrene, *see* N-00030
Nalmexone, N-00031
Nalmexone hydrochloride, *in* N-00031
▷Nalomet, *in* A-00512
▷Nalonee, *in* N-00033
▷Nalonex, *in* N-00034
▷Nalorfin, *see* N-00032
▷Nalorphine, N-00032
Nalorphine dinicotinate, *in* N-00032
▷Nalorphine hydrochloride, *in* N-00032
▷Naloxifan, *see* L-00038
▷Naloxiphan, *see* L-00038
▷Naloxone hydrochloride, *in* N-00033
▷Naloxone, N-00033
Nalpen, *see* A-00520
▷Naltrexone, N-00034
Naltrindole, N-00035
Namol xenyrate, *in* B-00179
Namoxyrate, *in* B-00179
▷Nanafrocin, *see* N-00036
▷Nanaomycin *A*, N-00036
Nanaomycin αA, *in* N-00036
Nanaomycin βA, *in* N-00036
Nanaomycin C, *in* N-00036
Nanaomycin D, *in* K-00002
Nanbacine, *see* X-00013
▷Nancimycin, *see* R-00047
▷Nandrolone, *in* H-00185
Nandrolone 17-bis(2-chloroethyl)carbamate, *in* H-00185
Nandrolone caproate, *in* H-00185
Nandrolone cipionate, *in* H-00185
Nandrolone cyclohexane carboxylate, *in* H-00185
Nandrolone cyclohexylpropionate, *in* H-00185
Nandrolone cyclotate, *in* H-00185
▷Nandrolone decanoate, *in* H-00185
Nandrolone furylpropionate, *in* H-00185
Nandrolone hexahydrobenzoate, *in* H-00185
Nandrolone hexyloxyphenylpropionate, *in* H-00185
▷Nandrolone hydrocinnamate, *in* H-00185
Nandrolone hydrogen succinate, *in* H-00185
Nandrolone laurate, *in* H-00185
▷Nandrolone phenpropionate, *in* H-00185
▷Nandrolone phenylpropionate, *in* H-00185
Nandrolone propionate, *in* H-00185
Nandrolone sulfate sodium, *in* H-00185
Nandrolone undecylate, *in* H-00185
▷Nandron, *see* E-00040
▷Nankor, *see* F-00039
▷Nanofin, *see* D-00448
▷Nanofine, *see* D-00448
Nanormon, *see* H-00090
Nanterinone, N-00037
▷Nanthic, *see* O-00108
Nantradol, N-00038
Nantradol hydrochloride, *in* N-00038
NAP, *in* P-00064
NAPA, *in* P-00446
Napactadine, N-00039
Napactadine hydrochloride, *in* N-00039
Napageln, *see* B-00176
▷Napaltan, *in* M-00002
Napamezole, N-00040
Napamezole hydrochloride, *in* N-00040
▷Napanol, *see* B-00181
▷Napellonine, *see* S-00100
▷Napental, *in* P-00101
▷Naphazoline, N-00041
▷Naphazoline hydrochloride, *in* N-00041
▷Naphcon, *in* N-00041
▷Naphtazoline, *in* N-00041
▷1-Naphthaleneacetic acid, *see* N-00044
6-[3-(2-Naphthalenyl)-D-alanine]luteinizing hormone-releasing factor, *see* N-00010
5-(2-Naphthalenyl)-6,8-dioxa-3-azabicyclo[3.2.1]octane, *see* N-00020
2-(1-Naphthalenyl)-1*H*-indene-1,3(2*H*)-dione, *see* N-00045
▷1-Naphthalenyl methylcarbamate, *in* M-00238
N-[[[1-(2-Naphthalenylmethyl)-4-piperidinyl]amino]-carbonyl]-benzamide, *see* P-00017
▷Naphthalinic acid, *see* H-00178
▷Naphthalophos, N-00042
▷Naphthizin, *in* N-00041
Naphthocaine, *in* A-00292
Naphthocyanidine, *in* C-00583
Naphthonone, *see* O-00126
1,2-Naphthoquinone-2-semicarbazone, *see* N-00022
Naphtho[2,1-*e*]-1,2,4-triazine, N-00043
▷(1-Naphthyl)acetic acid, N-00044
▷3-(1-Naphthyl)-4-hydroxycoumarin, *see* H-00180
Naphthylin, *see* N-00045
2-(1-Naphthyl)-1,3-indandione, N-00045
▷1-(2-Naphthyl)-2-isopropylaminoethanol, *see* P-00483
▷Naphthylisoproterenol, *see* P-00483
▷2-(1-Naphthylmethyl)-2-imidazoline, *see* N-00041
4-(α-Naphthyloxy)-3-hydroxybutramidoxime, *see* N-00007
2-(1-Naphthyloxy)propionamidoxime, *see* N-00047
▷Naphthymepezine, *in* N-00017

▷Naphthypramide, *see* N-00027
▷Naphuride, *see* S-00275
Napirimus, N-00046
Napoleogenin B, *in* O-00036
Naprilene, *in* E-00043
Naprodoxime, *see* N-00047
Naprodoximine, N-00047
Naprosyn, *see* N-00048
Naproxen, N-00048
▷Naproxen Sodium, *in* N-00048
Naproxol, *see* M-00207
▷Napsalgesic, *in* P-00512
▷Naqua, *see* T-00439
▷Naramycin, *in* D-00441
▷Naramycin *A*, *in* D-00441
▷Naramycin B, *in* D-00441
Naranol, N-00049
Naranol hydrochloride, *in* N-00049
▷Narasin, *see* N-00050
▷Narasin *A*, N-00050
Narasin B, *in* N-00050
▷Narcain, *see* B-00368
▷Narcan, *in* N-00033
▷Narcanti, *in* N-00033
Narceine, N-00051
▷Narcidine, *in* P-00147
Narcobarbital, *in* P-00482
▷Narcolan, *see* T-00428
Narconumal, *see* A-00130
▷Narcotan, *see* B-00294
Narcotine, N-00052
Narcotoline, *in* N-00052
▷Narcotyl, *see* T-00428
▷Nardil, *in* P-00189
Nargin, *in* P-00582
▷Nargoline, *see* N-00089
▷Naridan, *in* O-00159
▷Narphen, *in* P-00147
▷Nasalide, *see* F-00167
Naska, *see* P-00494
▷Nasocon, *in* A-00400
▷Nasodrine, *see* M-00194
Nasutin B, *in* E-00026
Nasutin C, *in* E-00026
▷NAT, *see* T-00167
NAT 324, *in* Q-00017
NAT 327, *in* T-00519
NAT 04-152, *see* T-00525
NAT 05-239, *see* M-00454
▷Natacyn, *see* P-00253
▷Natafucin, *see* P-00253
▷Natamycin, *see* P-00253
Natirene 25, *see* D-00543
Natolone, *in* H-00205
▷Natricum, *see* S-00275
▷Natrilix, *see* I-00052
▷Natritope chloride, *in* S-00085
▷Natulan, *in* P-00448
▷Natulanar, *in* P-00448
▷Naturon, *see* M-00218
▷Nauseton, *in* T-00500
▷Nausidol, *see* P-00273
▷Navan, *see* T-00213
▷Navane, *see* T-00213
▷Navaron, *see* T-00213
Navelbine, *see* V-00041
▷Navidrex, *see* C-00630
▷Navidrix, *see* C-00630
Naxagolide, N-00053
▷Naxamide, *see* I-00021
Naxaprostene, N-00054
▷Naxofem, *see* N-00150
Nazatonin *S*, *in* T-00174
▷Nazett, *in* A-00232
▷NB 68, *in* D-00003
N-Butyldeoxynojirimycin, *in* T-00481
NC 123, *in* M-00134
NC 1264, *in* T-00217
▷NC 1318, *see* T-00361
▷NC 7197, *in* E-00124
▷NCI C55709, *see* C-00195
NCNU, *see* P-00089
NCR, *see* N-00102
ND 1965, *in* C-00548
▷ND 1966, *see* A-00305
▷ND 1966, *see* H-00067
N-Deacetyl-N-3-oxobutyrylcolchicine, *in* C-00534
N-Demethylaklavine, *in* A-00089
N′-Demethyldauricine, *in* D-00020
N-Demethyl-4,5-deepoxymaytansinol, *in* M-00027
N-Demethylgalanthamine, *in* G-00002
N-Demethyl-3-(3-hydroxyisovaleroyl) maytansinol, *in* M-00027
N-Demethyllycoramine, *in* G-00002
3″-N-Demethylsisomicin, *in* S-00082
N-Demethylstreptomycin, *in* S-00161
N-Demethylvinblastine, *in* V-00032
$N^{2'}$-Desmethylcycleanine, *in* C-00590
▷2′-NDG, *see* D-00350
NDR 263, *see* P-00497
NDR 304, *in* D-00173
NDR 5061*A*, *see* A-00307
NDR 5523*A*, *in* T-00519
NE 19550, *in* H-00149
NE 97221, *in* P-00327
Nealbarbital, *see* N-00055
Nealbarbitone, N-00055
Neatophan, *in* M-00295
▷Nebair, *in* I-00198
Nebair, *in* T-00217
▷Nebcin, *in* N-00059
Nebidrazine, N-00056
Nebivolol, N-00057
▷Nebolan, *see* C-00019
▷Nebramycin, N-00058
▷Nebramycin II, *see* A-00428
▷Nebramycin V, *see* K-00005
▷Nebramycin VI, *see* N-00059
▷Nebramycin factor 5, *see* K-00005
▷Nebramycin factor 6, N-00059
Necyrane active substance, *in* M-00262
NED 137, *see* C-00047
Nedocromil, N-00060
Nedocromil sodium, *in* N-00060
Nefazodone, N-00061
Nefazodone hydrochloride, *in* N-00061
Neflumozide, N-00062
Neflumozide hydrochloride, *in* N-00062
▷Nefopam, N-00063
▷Nefopam hydrochloride, *in* N-00063
Nefrolan, *see* C-00495
Nefrosul, *see* S-00236
Nefrotest, *see* A-00217
▷Nefryl, *see* P-00323
▷Neftin, *see* F-00284
▷Nefurofan, *see* S-00125
Negaderm, *in* D-00216
▷Negasunt, *see* C-00555
Negaxid, *see* P-00366
▷Negram, *see* N-00029
▷Neguvon, *see* T-00443
▷Nelaxan, *in* P-00201
Neldazosin, N-00064
Nelezaprine, N-00065
▷Nema, *see* T-00106
▷Nemacide VC 13, *see* D-00176
Nemadectin, *see* A-00408
▷Nemafax, *see* T-00207
▷Nematolyt, *see* P-00018
▷Nembutal sodium, *in* P-00101
Nemex, *in* B-00132
▷Nemicide, *in* T-00151

▷Neminil, *see* P-00032
▷Neoantimosan, *in* B-00207
▷Neoarsphenamine, N-00066
Neo-Benadryl, *see* B-00299
Neo-Benodine, *see* M-00247
Neo-Betalin 12, *see* V-00061
▷Neocarcinostatin, JAN, *see* N-00067
▷Neocarzinostatin, N-00067
Neocarzinostatin chromophore, *in* N-00067
▷Neocidol, *in* D-00149
Neocinchophen, *in* M-00295
Neo-cobefrin, *in* A-00249
Neodaian, *in* T-00174
▷Neodalit, *see* D-00156
▷Neodil, *see* D-00156
▷Neodistol, *in* B-00204
▷Neodit, *see* D-00156
Neo-Diuresal, *see* E-00153
Neodiuril, *see* D-00136
▷Neo-Dopaston, *see* C-00050
Neodorm (old form), *see* B-00301
Neodyne, *in* D-00173
▷Neoferron, *see* F-00093
Neogitostin, *in* T-00474
▷Neoglaucit, *see* D-00368
Neoglucodigifucoside, *in* D-00274
▷Neohetramine, *in* T-00218
▷Neo-Hombreol, *see* H-00154
Neohydrangin, *in* H-00114
▷Neohydrin, *see* C-00209
▷Neohydrin-203, *in* C-00209
Neo-Iopax, *see* I-00109
▷Neo-Iscotin, *in* I-00195
Neoisocycloheximide, *in* D-00441
(+)-Neoisomenthol, *in* I-00208
Neoisuprel, *see* I-00185
Neokellina, *see* A-00197
Neolamin, *see* T-00176
Neomagnephen, *in* M-00295
Neomagnol, *in* B-00075
▷Neomarsilid, *see* P-00365
(+)-Neomenthol, *in* I-00208
(−)-Neomenthol, *in* I-00208
(±)-Neomenthol, *in* I-00208
▷Neomercazole, *see* C-00051
▷Neomycin, *in* N-00068
▷Neomycin *B*, N-00068
▷Neomycin *C*, N-00069
▷Neomycin *E*, *see* P-00039
▷Neomycin *F*, *in* P-00039
Neomycin B glucoside, *in* N-00068
Neomyson-*G*, *in* T-00179
Neoniagar, *see* M-00040
Neonorreserpine, *in* R-00029
Neo-Octon, *see* O-00013
Neoodorobioside G, *in* D-00274
▷Neopavrin, *in* E-00150
Neopentanetetrayl 2-phenylbutyrate, *see* F-00046
▷1,1′,1″,1‴-(Neopentanetetrayltetraoxy)tetrakis(2,2,2-trichloroethanol), *see* P-00132
Neophan, *in* M-00295
▷Neophyrn, *in* A-00272
▷Neoplatin, *in* D-00139
Neoplatyphylline, *in* P-00372
Neopres, *see* C-00333
▷Neoprex, *in* C-00472
Neoprodesciclina, *see* M-00072
▷Neoprogestin, *see* N-00225
Neoprol, *see* B-00301
▷Neoprol, *in* H-00109
▷Neoproma, *see* M-00190
▷Neoprotoveratrine, *in* P-00543
▷Neo-Pynamin, *see* T-00143
▷Neoquess, *in* D-00218
Neoquinophan, *in* M-00295
▷Neo-Quipenyl, *see* P-00434
▷Neoreserpan, *see* S-00287
Neoride, *in* S-00259
▷Neosalvarsan, *see* N-00066
▷Neoserpin, *see* M-00191
▷Neosone, *in* C-00549
▷Neostal, *see* B-00194
▷Neostam, *see* S-00148
Neostibosan (obsol.), *in* A-00212
▷Neostigmine(1+), N-00070
▷Neostigmine bromide, *in* N-00070
▷Neostigmine methylsulphate, *in* N-00070
▷Neostil, *see* H-00207
▷Neoston, *see* A-00103
Neosurugatoxin, N-00071
▷Neosynephrine, *in* A-00272
Neothesin, *see* P-00292
▷Neothramycin *A*, N-00072
▷Neothramycin B, *in* N-00072
▷Neothyl, *see* M-00214
Neotigason, *see* A-00041
▷Neo-Tizide, *in* I-00195
Neotocopherol, *see* T-00336
▷Neotrichocid, *see* T-00072
Neotropin, *see* D-00121
▷Neovagon, *in* N-00177
Neovirene, *in* D-00315
▷Neoviridogrisein IV, *see* V-00055
Neovitamin B_{12}, *in* V-00059
▷Nepedyl, *in* D-00514
▷Nephril, *see* P-00386
Nephrotest, *see* A-00217
▷Nepresol, *in* D-00277
▷Neptal, *in* M-00122
▷Neptamox, *see* M-00176
Neptamustine, *see* P-00089
▷Neptazane, *see* M-00176
Nequinate, *see* M-00232
Neraminol, N-00073
Neraval, *in* M-00184
Nerbacadol, N-00074
Nereistoxin, N-00075
Nerfactor, *in* A-00325
▷Nergize, *see* C-00559
▷Neriforte, *in* D-00270
▷Neriifolin, *in* D-00274
▷Nerilan, *in* D-00270
▷Nerisone, *in* D-00270
▷Nerusil, *see* B-00055
▷Nesacaine, *see* C-00277
Nesapidil, N-00076
Nesosteine, N-00077
Nesquehonite, *in* M-00006
▷Nesticide, *in* I-00195
▷Nethalide, *see* P-00483
Nethamine, *in* E-00133
▷Nethaphyl, *in* T-00169
▷Netilmicin, N-00078
▷Netilmicin sulfate, USAN, *in* N-00078
Netobimin, N-00079
▷Netrin, *see* M-00158
▷Netromycin, *see* N-00078
Netrosylla, *in* A-00214
▷Neuer, *in* C-00187
▷Neufenil, *see* K-00006
▷Neulactil, *see* P-00121
▷Neumolisina, *see* E-00163
▷Neumolysin, *see* E-00163
Neu-Nylofanol, *in* M-00295
Neupran, *in* P-00028
Neuractil, *in* M-00193
▷Neuralex, *see* B-00055
▷Neuriplege, *in* C-00296
Neuromet, *in* H-00188
▷Neuronal (old form), *in* B-00297
Neuroprocin, *see* E-00011
Neuroserina, *in* P-00220

Neurosterone, *in* H-00122
▷Neurostop, *see* B-00052
Neurotensin, N-00080
▷Neurotrust, *see* I-00127
▷Neurvit, *in* T-00177
▷Neuryl, *in* H-00158
Neurylan, *see* I-00194
Neutramycin, N-00081
Neutrapen, *see* P-00067
▷Neuvamin, *in* H-00088
▷Neuvitan, *see* O-00023
▷Nevalina, *in* G-00002
Nevental, *see* N-00055
Nevergor, *in* A-00088
Nexeridine, *in* D-00415
Nexeridine hydrochloride, *in* D-00415
▷Nexion, *see* B-00316
▷NF 35, *see* T-00207
▷NF 64, *see* N-00139
▷NF 67, *see* N-00108
NF 71, *see* C-00213
▷NF 84, *see* N-00116
▷NF 1010, *in* N-00115
▷NF 1088, *see* N-00130
▷NF 113, *see* N-00118
▷NF 1120, *see* N-00122
NF 1425, *in* F-00285
NF 161, *see* N-00131
▷NF 246, *see* N-00115
▷NF 441, *see* T-00200
NF 602, *in* F-00281
NF 963, *in* F-00285
N-Formylboromycin, *in* B-00258
▷N-Formyldemecolcine, *in* D-00062
N-Formyl-13-dihydrocarminomycin I, *in* C-00081
N-Formylmescaline, *in* M-00131
N-Formylnorephedrine, *in* A-00308
N-Formylnorgalanthamine, *in* G-00002
NFP, *in* H-00185
▷81723 nFu, *in* T-00238
▷N.H.C., *see* H-00180
▷N-(2-Hydroxyethyl)-N-methylcinnamamide, *in* H-00130
N-(2-Hydroxyethyl)-N-methyl-p-hydroxycinnamamide, *in* H-00130
5 NI, *see* F-00166
▷Niacin, *see* P-00571
▷Niacinamide, *see* P-00570
Nialamide, N-00082
Nialen, *see* I-00009
Niamide, *see* N-00082
▷Niaprazine, N-00083
▷Niapyrinum, *see* N-00155
Niazo, *see* D-00121
▷Nibal, *in* M-00178
Nibal injection, *in* M-00178
▷Nibiol, *see* H-00182
▷Nibitor, *in* O-00121
Nibroxane, *see* B-00308
Nicafenine, N-00084
Nicainoprol, N-00085
Nicametate, N-00086
Nicametate citrate, JAN, *in* N-00086
▷Nicamin, *see* P-00571
Nicaraven, N-00087
▷Nicarb, *in* B-00231
▷Nicarbazin, *in* B-00231
Nicardipine, N-00088
▷Nicardipine hydrochloride, *in* N-00088
▷Nicergoline, N-00089
▷Niceritrol, N-00090
▷Nicethamide, *see* D-00254
Niceverine, N-00091
▷Niclofolan, N-00092
▷Niclosamide, N-00093
▷Nicobid, *see* P-00571
Nicoboxil, *see* B-00421
Nicoclonate, N-00094
▷Nicocodine, N-00095
Nicocortonide, N-00096
Nicodicodine, *in* N-00095
▷Nicofibrate, N-00097
Nicofuranose, N-00098
Nicofurate, *in* M-00308
Nicogrelate, N-00099
Nicohexonium, *in* H-00055
▷Nicolenta, *see* N-00100
▷Nicomol, N-00100
▷Nicomolamine, *see* N-00100
▷Nicomorphine, N-00101
Niconalorphine, *in* N-00032
▷Nicophine, *see* N-00101
Nicopholine, *see* P-00576
Nicopile, *see* N-00086
Nicorandil, N-00102
Nicorette, *in* N-00103
Nicosorbine, *in* G-00054
Nicosterolo, *in* G-00054
Nicostreptil, *in* S-00161
Nicotafuryl, *see* T-00222
Nicotazide, *see* V-00020
▷Nicotergoline, *see* N-00089
▷Nicothiazone, *in* P-00569
▷Nicothizonum, *in* P-00569
Nicotinaldehyde, *see* P-00569
▷Nicotinamide, *see* P-00570
▷Nicotinamide adenine dinucleotide, *see* C-00530
Nicotinamide salicylate, *in* H-00112
Nicotine, N-00103
Nicotine 1′-N-oxide, *in* N-00103
Nicotine polacrilex, *in* N-00103
▷Nicotinic acid, *see* P-00571
▷Nicotinic acid amide, *see* P-00570
▷Nicotinic acid neopentanetetrayl ester, *see* N-00090
Nicotinohydroxamic acid, *in* P-00570
Nicotinonitrile, *in* P-00571
▷Nicotinoylaminophenazone, *see* N-00112
N-Nicotinoylglycine, *see* N-00104
4-Nicotinoylmorpholine, *see* P-00576
Nicotinuric acid, N-00104
▷Nicotinyl alcohol, *see* P-00573
▷Nicotinyl salicylate, *in* N-00103
▷Nicoumalone, N-00105
Nicoxamat, *in* P-00570
▷Nicoxin, *in* B-00231
Nicoxyphenisatin, *in* O-00160
Nicozid, *see* S-00016
▷Nicrazin, *in* B-00231
Nictiazem, N-00106
Nictindole, N-00107
Nidanthel, *see* N-00176
▷Nidapryl, *see* I-00209
▷Nidolin, *see* T-00322
▷Nidrafur, *see* N-00139
Nidran, *see* C-00487
▷Nidroxyzone, N-00108
Nifalatide, N-00109
Nifalatide acetate, *in* N-00109
▷Nifedipine, N-00110
▷Nifenalol, N-00111
▷Nifenazone, N-00112
▷Niflam, *see* P-00400
Niflucil-Suppos., *see* M-00444
▷Niflumic acid, N-00113
Nifluridide, N-00114
▷Nifluril, *see* N-00113
▷Nifos, *see* T-00112
▷Niftolide, *see* F-00224
▷Nifulidone, *see* F-00284
▷Nifuradene, N-00115
▷Nifuraldezone, N-00116
Nifuralide, N-00117
▷Nifuratel, N-00118

▷Nifuratrone, N-00119
▷Nifurdazil, *in* N-00115
Nifurethazone, N-00120
Nifurfoline, N-00121
▷Nifurimide, N-00122
Nifurizone, N-00123
▷Nifurmazole, N-00124
Nifurmerone, *see* C-00213
Nifuroquine, N-00125
▷Nifuroxazide, N-00126
Nifuroxime, *in* N-00177
▷Nifurpipone, N-00127
▷Nifurpirinol, N-00128
Nifurprazine, N-00129
▷Nifurquinazol, N-00130
Nifursemizone, N-00131
▷Nifursol, N-00132
▷Nifurthiazole, N-00133
▷Nifurthilinum, *see* T-00200
▷Nifurtimox, N-00134
Nifurtoinol, N-00135
Nifurvidine, N-00136
▷Nifurzide, N-00137
▷Nigrin, *see* S-00162
Niguldipine, N-00138
▷NIH 2820, *see* D-00407
NIH 2933, *see* M-00162
▷NIH 4185, *see* D-00258
NIH 5145, *see* E-00208
▷NIH 7274, *see* P-00164
NIH 7343, *see* D-00509
▷NIH 7380, *in* G-00002
NIH 7410, *see* M-00155
NIH 7440, *see* A-00133
▷NIH 7519, *in* P-00147
NIH 7525, *see* L-00039
NIH 7539, *in* M-00448
NIH 7557, *see* D-00510
▷NIH 7562, *in* D-00265
NIH 7574, *see* B-00078
NIH 7577, *see* D-00380
NIH 7586, *see* C-00478
NIH 7590, *see* P-00260
NIH 7591, *see* P-00165
▷NIH 7602, *see* P-00143
▷NIH 7603, *see* D-00142
▷NIH 7605, *see* P-00459
NIH 7607, *see* E-00260
▷NIH 7661, *in* P-00191
NIH 7667, *see* N-00207
NIH 7790, *see* C-00092
NIH 7981, *see* C-00588
▷NIH 8068, *see* E-00263
▷NIH 8074, *in* E-00263
NIH 8112, *see* C-00646
NIH 8973, *in* T-00340
▷Nihydrazone, N-00139
▷Nikethamide, *see* D-00254
Niksalin, *in* H-00112
Nilatil, *in* A-00254
Nilazid, *see* S-00016
Nileprost, N-00140
▷Nilergex, *in* I-00214
Nilestriol, *see* N-00234
▷Nilevar, *see* N-00211
▷Nilhistin, *in* M-00170
▷Nilistine, *in* M-00170
▷Nilodin, *in* L-00110
Nilprazole, N-00141
▷Niludipine, N-00142
Nilutamide, N-00143
Nilvadipine, N-00144
▷Nilverm, *in* T-00151
Nimaol, *in* M-00258
Nimazone, N-00145
Nimbosterin, *in* S-00151
▷Nimbosterol, *in* S-00151
Nimelan, *in* N-00032
▷Nimergoline, *see* N-00089
▷Nimesulide, N-00146
▷Nimetazepam, N-00147
Nimidane, N-00148
Nimodipine, N-00149
▷Nimorazole, N-00150
Nimotop, *see* N-00149
Nimustine, N-00151
▷Nioben, *in* P-00299
Niometacin, N-00152
▷Niopam, *see* I-00124
▷Nipagin *A*, *in* H-00113
▷Nipagin *M*, *in* H-00113
▷Nipasol, *in* H-00113
▷Nipecotan, *see* A-00390
Niperotidine, N-00153
▷Niperyt, *see* P-00078
Nipiradilol, *see* N-00154
Nipodar, *see* P-00545
Nipradilol, N-00154
Nipradolol, *see* N-00154
▷Nipride, *in* P-00083
Niprodipine, *see* N-00144
▷Niprofazone, N-00155
▷Nipruss, *in* P-00083
▷Niridazole, N-00156
▷Nirvanil, *in* E-00204
▷Nirvanol, *see* E-00215
▷Nirvotin, *in* P-00204
Nisbuterol, N-00157
Nisbuterol mesylate, *in* N-00157
Nisentil, *in* P-00460
▷Nisidana, *in* O-00052
Nisobamate, N-00158
Nisoldipine, N-00159
Nisoxetine, N-00160
Nisterime, N-00161
▷Nisterime acetate, *in* N-00161
Nisulfazole, *see* N-00187
Nitalapram, *see* C-00400
▷Nitarsone, *see* N-00184
Nitazoxanide, N-00162
▷Nithiamide, *in* A-00294
▷Nithiazide, *see* E-00211
▷Nithiocyamine, *see* N-00180
Nitossil, *in* C-00482
▷Nitracrine, N-00163
Nitrafudam, N-00164
Nitrafudam hydrochloride, *in* N-00164
Nitralamine, N-00165
▷Nitralamine hydrochloride, *in* N-00165
Nitramidine, *in* N-00168
▷Nitramin IDO, *see* A-00294
Nitramisole, N-00166
Nitramisole hydrochloride, *in* N-00166
▷Nitranol, *in* T-00538
Nitraquazone, N-00167
Nitrarine, N-00168
2-Nitratoethylamine, *see* A-00254
▷[(Nitrato-*O*)phenylmercury], *in* H-00191
▷(Nitrato-*O*)phenylmercury, N-00169
▷Nitrazepam, N-00170
Nitrazepate, N-00171
Nitrazine yellow, *see* P-00145
Nitrazol yellow, *see* P-00145
Nitrefazole, *see* M-00274
Nitrendipine, N-00172
▷Nitretamin, *in* T-00538
Nitricholine perchlorate, *in* C-00308
▷Nitrilodiethylenedinitrilopentaacetic acid, *see* P-00094
2,2′,2″-Nitrilotriethanol trinitrate, *see* T-00538
▷2,2′,2″-Nitrilotrisethanol, *see* T-00536
▷Nitrimidazine, *see* N-00150
▷2,2′,2″-Nitritotriethanol, *see* T-00536

▷Nitroacridine 3582, *see* D-00231
▷Nitroakridin 3582, *see* D-00231
1-Nitro-*sec*-*n*-amyl alcohol, *see* N-00183
▷*p*-(*p*-Nitroanilino)phenyl isothiocyanate, *see* N-00180
▷*p*-Nitrobenzenearsonic acid, *see* N-00184
p-Nitrobenzylphosphonic acid, *see* N-00185
▷*N*-Nitrocarbamide, *see* N-00188
Nitrocefin, N-00173
▷Nitrocellulose, *in* C-00165
Nitroclofene, N-00174
Nitrocycline, N-00175
Nitrodan, N-00176
▷Nitroduran, *in* T-00538
Nitroerythrite, *in* E-00114
Nitrofuradoxonum, *see* F-00293
▷Nitrofural, *in* N-00177
5-Nitro-2-furaldehyde 2-[2-(dimethylamino)ethyl]-semicarbazone, *see* N-00120
5-Nitro-2-furaldehyde-2-ethylsemicarbazone, *see* N-00131
▷5-Nitro-2-furaldehyde 2-(2-hydroxyethyl)semicarbazone, *see* N-00108
▷5-Nitro-2-furaldehyde semioxamazone, *see* N-00116
▷Nitrofuraltadone, *see* F-00281
▷5-Nitro-2-furancarboxaldehyde, N-00177
▷Nitrofurantoin, N-00178
6-[2-(5-Nitro-2-furanyl)ethenyl]-3-pyridazinamine, *see* N-00129
▷6-[2-(5-Nitro-2-furanyl)ethenyl]-2-pyridinemethanol, *see* N-00128
▷6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-amine, *see* F-00280
▷*N*-[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-acetamide, *in* F-00280
▷[[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-imino]bis-(methanol), *in* F-00280
▷2-[[(5-Nitro-2-furanyl)methylene]amino]ethanol *N*-oxide, *see* N-00119
▷1-[(5-Nitro-2-furanyl)methylene]amino-2,4-imidazolidinedione, *see* N-00178
▷1-[[(5-Nitro-2-furanyl)methylene]amino]-2-imidazolidinethione, *see* T-00200
▷1-[[(5-Nitro-2-furanyl)methylene]amino]-2-imidazolidinone, *see* N-00115
2-[(5-Nitro-2-furanyl)methylene]hydrazinecarboximidamide, *see* F-00279
▷2-[3-(5-Nitro-2-furanyl)-1-[2-(5-nitro-2-furanyl)ethenyl]-2-propenylidene]hydrazinecarboximidamide, *see* N-00190
▷2,2′-[[2-(5-Nitro-2-furanyl)-4-quinazolinyl]imino]bisethanol, *see* N-00130
4-(5-Nitro-2-furanyl)-2-quinolinecarboxylic acid 1-oxide, *see* N-00125
▷2-[4-(5-Nitro-2-furanyl)-2-thiazolyl]hydrazinecarboxaldehyde, *see* N-00133
▷Nitrofurazone, *in* N-00177
▷5-Nitrofurfuraldehyde, *see* N-00177
[(5-Nitrofurfurylidene)amino]guanidine, *see* F-00279
▷1-(5-Nitro-2-furfurylideneamino)hydantoin, *see* N-00178
▷1-(5-Nitrofurfurylideneamino)-2-imidazolidinethione, *see* T-00200
▷1-[(5-Nitrofurfurylidene)amino]-2-imidazolidinone, *see* N-00115
▷3-(5-Nitrofurfurylideneamino)-2-oxazolidinone, *see* F-00284
▷Nitrofurmethone, *see* F-00281
▷[[3-(5-Nitro-2-furyl)-1-[2-(5-furyl)vinyl]allylidene]-amino]-guanidine, *see* N-00190
▷2,2′-[[2-(5-Nitro-2-furyl)-4-quinazolinyl]imino]diethanol, *see* N-00130
▷Nitrogenin, *in* S-00129
▷Nitrogen Lost, *see* T-00534
▷Nitrogen mustard gas, *see* D-00193
▷Nitrogen oxide, *see* N-00189
▷Nitroglycerin, *see* G-00066
▷Nitroglycerol, *see* G-00066
▷2-Nitro-1*H*-imidazole, N-00179
▷4-[2-(5-Nitro-1*H*-imidazol-1-yl)ethyl]morpholine, *see* N-00150
α-[(2-Nitro-1*H*-imidazol-1-yl)methyl]-1-piperidineethanol, *see* P-00262
1-(2-Nitroimidazol-1-yl)-3-piperidinopropan-2-ol, *see* P-00262
▷4-Nitro-4′-isothiocyanatodiphenylamine, N-00180
4-Nitro-4′-isothiocyanatodiphenyl ether, *see* N-00186
Nitrolamine, *see* A-00254
Nitroman, *in* T-00102
▷Nitromannite, *in* M-00018
▷Nitromannitol, *in* M-00018
▷Nitromersol, N-00181
Nitromide, *in* D-00468
Nitromidinum, *see* A-00502
▷Nitromifene, N-00182
▷Nitromifene citrate, *in* N-00182
▷Nitromin, *in* D-00193
N-[2-(Nitrooxy)ethyl]-3-pyridinecarboxamide, *see* N-00102
▷Nitropentaerythritol, *see* P-00078
1-Nitro-2-pentanol, N-00183
6-Nitrophenanthro[3,4-*d*]-1,3-dioxole-5-carboxylic acid, *see* M-00252
▷*N*-(4-Nitro-2-phenoxyphenyl)methanesulfonamide, *see* N-00146
[4-[(4-Nitrophenyl)amino]phenyl]carbamothioic acid *O*-phenyl ester, *see* P-00159
N-[4-[[(4-Nitrophenyl)amino]sulfonyl]phenyl]acetamide, *see* S-00204
▷4-Nitrophenylarsonic acid, N-00184
5-(2-Nitrophenyl)-2-furancarboximidamide, *see* N-00164
▷1-[[[5-(4-Nitrophenyl)-2-furanyl]methylene]amino]-2,4-imidazolidinedione, *see* D-00012
▷1-[[5-(*p*-Nitrophenyl)furfurylidene]amino]hydantoin, *see* D-00012
α-(Nitrophenylmethylene)benzenemethanamine, *see* A-00293
▷2-Nitro-*N*-(phenylmethyl)-1*H*-imidazole-1-acetamide, *see* B-00089
[(4-Nitrophenyl)methyl]phosphonic acid, N-00185
4′-[(*p*-Nitrophenyl)sulfamoyl]acetanilide, *see* S-00204
▷Nitropress, *in* P-00083
5-Nitro-2-[2-(1-pyrrolidinyl)ethyl]-1*H*-benz[*de*]-isoquinoline-1,3-(2*H*)-dione, *see* P-00266
3-Nitro-*N*-[2-(1-pyrrolidinyl)ethyl]naphthalimide, *see* P-00266
▷5-Nitro-8-quinolinol, *see* H-00182
Nitroscanate, N-00186
N-Nitrosotomatidine, *in* T-00374
α′-Nitro-α-stilbenamine, *see* A-00293
Nitrosulfathiazole, N-00187
▷Nitrothiamidazole, *see* N-00156
▷5-Nitro-2-thiazolamine, *see* A-00294
p-Nitro-*N*-2-thiazolylbenzenesulfonamide, *see* N-00187
N-(5-Nitro-2-thiazolyl)formamide, *in* A-00294
▷1-(5-Nitrothiazol-2-yl)-2-imidazolidinone, *see* N-00156
N-(5-Nitro-2-thiazolyl)salicylamide acetate, *see* N-00162
▷*N*-(5-Nitro-2-thiazolyl)-2-thiophenecarboxamide, *see* T-00072
▷5-Nitro-2-thiophenecarboxylic acid [3-(5-nitro-2-furanyl)-2-propenylidene]hydrazide, *see* N-00137
▷Nitrourea, N-00188
▷Nitrous acid 3-methylbutyl ester, *see* M-00237
▷Nitrous oxide, N-00189
▷Nitrovin, N-00190
p-[2-(5-Nitro-1-vinylimidazol-2-yl)vinyl]benzoic acid, *see* S-00156
▷Nitroxinil, *see* H-00142
▷Nitroxoline, *see* H-00182
▷Nitroxynil, *see* H-00142
▷Nitrumon, *see* B-00199
Nitux, *in* M-00440
Nivacortol, *see* N-00191
▷Nivalin, *in* G-00002
Nivaquine, *in* C-00284
▷Nivaquine C, *see* M-00240
Nivazol, N-00191
▷Nivellipid, *see* C-00643

▷Nivelon, *in* D-00482
Nivimedone, *see* D-00436
Nivimedone sodium, *in* D-00436
Nixylic acid, *in* A-00326
Nizatidine, N-00192
Nizofenone, N-00193
▷NK 421, *see* B-00138
NK 1013-2, *in* K-00005
NKK 105, *see* M-00016
▷N-Methyladrenaline, *in* A-00075
▷N-Methyldemecolcine, *in* D-00062
N-Methyldeoxynojirimycin, *in* T-00481
N-Methylellipticine, *in* E-00027
N-Methylephedrine, *in* D-00418
▷N-Methylhistamine, *in* H-00077
N-Methylmescaline, *in* M-00131
N-Methylpachysamine A, *in* P-00416
3-N-Methylparomomycin I, *in* P-00039
N,N-Diacetylepipachysamine C, *in* P-00416
N^8-Norphysostigmine, *in* E-00122
Noacid, *see* D-00307
▷Nobacter (obsol.), *see* B-00204
Noberastine, N-00194
▷Nobrium, *see* M-00053
Nocertone, *in* O-00107
Nocloprost, N-00195
▷Nococcin, *in* A-00332
▷Nocodazole, N-00196
▷Noctal, *see* B-00291
Noctamid, *see* L-00097
▷Noctan, *see* D-00249
▷Noctec, *see* T-00433
▷Noctenal, *see* B-00291
Noctilux, *see* K-00009
Nocton, *see* L-00097
▷Nocturetten, *in* B-00300
▷Noctyn, *see* H-00027
▷Nodal, *see* T-00311
Nodapton, *in* G-00070
▷Nodixil, *in* P-00120
Nofecainide, N-00197
Nofedone, *see* N-00197
Noflevan, *see* E-00250
▷Nofrin, *see* C-00377
▷Nogalamycin, N-00198
▷Nogexan, *see* C-00068
Nohalon, *see* B-00344
▷Nokemyl, *in* M-00331
Nokhel, *see* A-00197
▷Nolahist, *in* P-00156
▷Noleptan, *in* F-00240
Nolinium(1+), N-00199
▷Nolinium bromide, *in* N-00199
Noltam, *see* T-00023
▷Noludar, *see* D-00249
Nolvadex, *see* T-00023
Nomegestrol, N-00200
Nomelidine, N-00201
▷Nometine, *see* P-00273
▷Nomifensine, *see* T-00125
▷Nomifensine maleate, *in* T-00125
Nonabine, N-00202
▷Nonachlazine, *in* A-00493
Nonaethylene glycol monododecyl ether, *see* P-00380
Nonaftazin, *see* A-00497
▷Nonanedioic acid, N-00203
3,6,9,12,15,18,21,24,27-Nonaoxanonatriacontan-1-ol, *see* P-00380
▷3,6,9,12,15,18,21,24,27-Nonaoxaoctacos-1-yl 4-(butylamino)-benzoate, *see* B-00094
Nonaperone, N-00204
Nonaphtazine, *see* A-00497
Nonapyrimine, *in* A-00330
Nonathymulin, *see* S-00054
Nonflamin, *in* T-00296
Nonivamide, N-00205
Nonkodine, *in* B-00399
Nonoxinol 9, *see* N-00206
Nonoxynol 9, N-00206
▷Nonplesin, *see* D-00511
4-(Nonylamino)-7*H*-pyrrolo[2,3-*d*]pyrimidine, *in* A-00330
26-(4-Nonylphenoxy)-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol, *see* N-00206
N-Nonyl 7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *in* A-00330
▷Nopar, *in* H-00082
▷Nopcocide, *in* M-00147
▷Nopoxamine, *see* M-00478
▷Nopron, *see* N-00083
Noracetylmethadol, *see* N-00207
Noracymethadol, N-00207
Noracymethadol hydrochloride, *in* N-00207
Noradrenaline, N-00208
Norajmaline, *in* A-00088
▷Noramidone, *see* D-00407
Noramidopyrine methanesulfonate, *see* D-00532
Nor-Anabol, *in* H-00185
▷Norandrostenolone, *in* H-00185
Noranhydrovinblastine, *see* V-00041
5′-Noranhydrovincaleukoblastine, *see* V-00041
Noraristolochic acid, *see* M-00252
Noratropine, *in* T-00554
Norbaeocystine, *in* D-00411
Norbiline, *in* D-00512
▷Norbiogest, *in* M-00138
▷Norbolethone, N-00209
▷Norboletone, *see* N-00209
5-Norbornene-2,3-dicarboximide, *in* B-00157
5-Norbornene-2,3-dicarboxylic acid, *see* B-00157
Norbudrine, *see* N-00210
Norbutrine, N-00210
▷Norcamphane, *in* F-00038
Norcaperatic acid, *in* C-00029
Norclostebol, *in* C-00242
Norcocaine, *in* C-00523
▷Norcodeine, *in* N-00222
▷Norco T-2, *see* T-00578
▷Norcuron, *in* V-00014
29-Norcyasterone, *in* C-00584
Norcycleanine, *in* C-00590
Norcycline, *see* D-00065
▷Nordazepam, *in* D-00148
▷Nordazepam oxide, *see* D-00069
Nordefrine, *see* A-00249
▷2′-Nor-2′-deoxyguanosine, *see* D-00350
Nordette, *in* N-00218
▷Nordialex, *see* G-00037
▷Nordicort, *in* C-00548
Nordinone, *in* H-00124
1-Nordistamycin *A*, *in* D-00539
▷Nordopan, *see* B-00197
Nor-Durandron, *in* H-00185
Nor-ψ-ephedrine, *in* A-00308
▷Norephedrine, *in* A-00308
▷Norephedrinoethyltheophylline, *see* C-00009
Norepinephrine, *see* N-00208
▷Norepinephrine bitartrate, *in* N-00208
▷Noretandroline, *see* N-00211
▷Norethandrolone, N-00211
▷Norethindrone, *see* N-00212
▷Norethindrone acetate, *in* N-00212
▷Norethisterone, N-00212
▷5(10)-Norethisterone, *see* N-00213
▷Norethisterone acetate, *in* N-00212
Norethisterone acetate oxime, *in* N-00212
▷Norethisterone enanthate, *in* N-00212
▷Norethynodrel, N-00213
▷Noretynodrel, *see* N-00213
Noreximide, *in* B-00157
▷Norfenefrine, *see* A-00272
Norfenfluramine, *in* M-00312
Norfenon, *in* P-00486
Norflex, *in* O-00064

▷Norfloxacin, N-00214
Norflurane, *see* T-00113
Norgesic, *in* O-00064
Norgesterone, N-00215
▷Norgestimate, N-00216
Norgestomet, N-00217
Norgeston, *in* N-00218
Norgestrel, N-00218
▷Norgestrienone, N-00219
Norhomoepinephrine, *see* A-00249
Norhyoscine, *in* S-00031
Norhyoscyamine, *in* T-00554
▷Noriday, *in* N-00212
▷Norimin, *in* E-00231
▷Norimin, *in* N-00212
▷Norimipramine, *see* D-00095
Norine, *in* C-00540
Norisoephedrine, *in* A-00308
▷Norlestrin, *in* E-00231
▷Norlestrin, *in* N-00212
Norletimol, N-00220
Norleusactide, *see* P-00075
Norlevorphanol, *in* M-00448
2-Norlimacine, *in* F-00017
Norlongandron, *in* H-00185
Normatensyl, *in* H-00097
▷Normax, *in* B-00210
Normaytansine, *in* M-00026
▷Normedon, *see* D-00407
19-Normegestrol, *see* N-00200
▷Normenon, *in* C-00208
Normergyl, *see* E-00006
▷Normetadone, *see* D-00407
▷Normethadone, *see* D-00407
Normethandrone, N-00221
Normethisterone, *see* N-00221
Normix, *see* R-00049
Normo-Level, *in* P-00077
Normolipem, *in* C-00456
Normonal, *see* T-00522
▷Normorfina, *see* N-00222
Normoritmin, *in* P-00486
▷Normorphine, N-00222
Normose, *see* L-00005
Normosecretol, *in* I-00155
▷Normoson, *see* E-00151
Normospas, *see* A-00474
Normosterol, *in* P-00077
Normotiroides, *see* D-00365
Normud, *in* Z-00015
Nornarceine, *in* N-00051
Nor-N^b-chondocurine, *in* C-00309
▷Norofren, *see* P-00263
▷Noroxedrine, *see* O-00022
▷Noroxin, *in* N-00214
▷Norpace, *in* D-00537
Norpenicillin N, *in* P-00066
▷Norphedrin, *see* A-00304
Norpholedrine, *see* A-00322
Norpipanone, *see* D-00510
▷Norpramin, *in* D-00095
▷19-Norpregna-1,3-5(10)trien-20-yne-3,17-diol, *see* E-00231
▷19-Nor-17α-pregna-1,3,5(10)-trien-20-yne-3,17-diol, *see* E-00231
19-Nor-17α-pregn-4-ene-3β,17-diol propionate, *see* P-00500
▷19-Nor-4-pregnen-17β-ol, *see* E-00213
19-Norpregn-5-en-17-ol, *see* B-00249
▷19-Norpregn-4-en-20-yne-3,17-diol, *see* E-00227
▷19-Nor-4-pregnen-20-yn-17β-ol, *see* L-00121
▷19-Norpregn-5-en-20-yn-17-ol, *see* C-00367
19-Nor-17α-pregn-5(10)-en-20-yn-17-ol, *see* T-00269
▷Nor-Progestelea, *see* N-00225
▷Norpropandrolate, *in* O-00029
Norpseudoephedrine, *in* A-00308
Norreserpine, *in* R-00029
Norsongorine, *in* S-00100
▷Norsympathol, *see* O-00022
▷Norsynephrine, *see* O-00022
▷*m*-Norsynephrine, *see* A-00272
Nortan, *in* T-00462
Nortesto, *in* H-00185
▷Nortestonate, *in* H-00185
▷19-Nortestosterone, *in* H-00185
Nortestosterone adamantanecarboxylate, *see* B-00250
Nortestrionate, *in* H-00185
2-Nortetrandrine, *in* T-00152
Nortetrazepam, N-00223
Nortimic, *in* M-00381
Nortran, *in* T-00462
▷Nortrip, *see* M-00332
▷Nortriptyline, N-00224
▷Nortryptyline hydrochloride, *in* N-00224
▷Norval, *in* M-00360
7-L-Norvalinecyclosporin *A*, *in* C-00638
7-L-Norvaline-11-L-leucinecyclosporin *A*, *in* C-00638
▷Norvedan, *see* F-00079
▷Norvinisterone, N-00225
Norvinodrel, *see* N-00215
Norybol 19, *in* H-00185
▷Norzepine, *in* N-00224
Norzimelidine, *in* N-00201
Nosantine, N-00226
Noscapine, *see* N-00052
▷Nosiheptide, N-00227
▷Nosiheptine, *see* N-00227
Nosophen, *see* T-00142
Nospan, *see* D-00611
▷Nospan, *see* T-00577
Nospasin, *see* D-00611
▷Nostal, *see* B-00291
Nostal, *see* E-00011
▷Nostel, *see* E-00151
▷Nosterol, *see* B-00179
Nostyn, *see* E-00011
Notandron-Depot, *in* M-00225
▷Notensil, *in* A-00015
Notezine, *see* D-00248
Noticin, *see* S-00183
▷Notomycin A_1, *see* C-00557
Nourseimycin, *see* A-00092
Novacort, *see* C-00489
▷Novacrysin, *see* S-00084
▷Novafed, *in* M-00221
▷Novahistine, *in* A-00272
Novain, *see* C-00084
▷Novamin, *in* A-00196
▷Novantron, *in* M-00407
▷Novarsenol, *see* N-00066
Novartrina, *in* M-00439
Novasmasol, *in* O-00053
Novastat, *in* C-00258
Novatophan, *in* M-00295
Novatoxyl, *in* C-00041
▷Novatropine, *in* H-00082
▷Novazole, *see* C-00020
Novedrin, *see* E-00133
▷Noveril, *see* D-00156
▷Novesine, *in* O-00146
▷Novestrine, *see* M-00164
▷Noviben, *see* C-00020
▷Novidium, *see* D-00132
▷Novidorm, *see* T-00425
Noviform, *see* B-00152
▷Novobiocin, N-00228
▷Novocaine, *in* P-00447
Novocamid, *in* P-00446
▷Novoderm, *in* F-00174
▷Novodigal, *in* D-00275
▷Novodolan, *see* F-00119
Novofosfan, *in* T-00347
Novofur, *in* F-00285
Novohydrin, *see* A-00174

Novolin, *in* I-00076
▷Novonal, *in* D-00251
Novo-Rheumatophin, *in* M-00295
Novorin, *in* X-00023
▷Novoserpina, *see* S-00287
Novosparol, *in* B-00160
▷Novotrone, *see* S-00093
Novotrone, *in* S-00223
Novotussil, *in* M-00440
▷Novrad, *in* P-00512
▷Novurit, *in* C-00067
Noxadron, *in* E-00246
▷Noxibiol, *see* H-00182
Noxiptiline, *see* N-00229
Noxiptyline, N-00229
N^{α}-(4-Oxodecanoyl)histamine, *in* H-00077
▷Noxyflex *S*, *see* H-00165
▷Noxylin, *see* P-00385
▷Noxythiolin, *see* H-00165
▷Noxytiolin, *see* H-00165
▷NP 27, *see* C-00247
▷NPAB, *in* A-00088
NPP, *see* D-00353
NPT 15392, *see* N-00226
NR 286, *see* F-00229
▷NSC 1026, *see* A-00230
▷NSC 1149, *see* C-00456
▷NSC 1390, *see* D-00300
▷NSC 1771, *see* T-00149
▷NSC 185, *in* D-00441
▷NSC 1879, *in* D-00133
▷NSC 1895, *see* D-00137
▷NSC 2101, *see* H-00181
NSC 2619, *see* S-00202
▷NSC 2834, *see* H-00193
▷NSC 3053, *see* A-00057
▷NSC 3055, *in* P-00557
▷NSC 3061, *see* P-00585
▷NSC 3069, *see* C-00195
▷NSC 3088, *see* C-00194
▷NSC 3096, *see* D-00062
▷NSC 3184, *see* N-00116
NSC 3351, *in* H-00185
▷NSC 3364, *see* F-00106
▷NSC 3425, *see* T-00422
▷NSC 3951, *in* H-00211
▷NSC 5085, *see* N-00184
NSC 5109, *see* D-00469
▷NSC 5159, *see* C-00189
▷NSC 5340, *see* A-00187
▷NSC 5547, *in* O-00012
NSC 5648, *in* T-00217
▷NSC 6091, *see* D-00129
▷NSC 6135, *in* T-00475
▷NSC 6365, *see* A-00268
NSC 6386, *see* B-00150
▷NSC 6470, *see* N-00115
▷NSC 6738, *see* D-00207
NSC 7214, *in* D-00131
▷NSC 739, *see* A-00324
▷NSC 7365, *see* A-00238
▷NSC 740, *see* M-00192
▷NSC 742, *in* A-00509
▷NSC 746, *see* E-00177
▷NSC 749, *see* A-00247
▷NSC 750, *see* B-00379
▷NSC 752, *see* T-00202
▷NSC 755, *see* D-00299
▷NSC 757, *see* C-00534
▷NSC 7571, *in* A-00205
▷NSC 762, *in* D-00193
▷NSC 763, *see* D-00454
▷NSC 7760, *in* P-00395
▷NSC 7778, *in* D-00318
NSC 8746, *see* C-00654
▷NSC 8806, *in* M-00084
▷NSC 9166, *in* H-00111
▷NSC 9168, *see* F-00273
▷NSC 9324, *see* D-00119
▷NSC 9564, *see* N-00212
▷NSC 9698, *see* M-00019
▷NSC-9701, *see* H-00154
NSC 9702, *see* H-00204
▷NSC 9705, *see* C-00546
NSC 9894, *see* B-00220
▷NSC 100071, *see* H-00018
▷NSC 10023, *see* P-00413
NSC 100290, *see* A-00089
NSC 10039, *see* N-00221
NSC 100638, *see* A-00185
▷NSC 10108, *see* C-00290
▷NSC 102627, *in* I-00037
NSC 102629, *see* F-00113
▷NSC 10270, *see* A-00095
▷NSC 102816, *see* A-00496
▷NSC 102824, *see* A-00507
NSC 102825, *see* C-00383
NSC 103336, *see* C-00620
▷NSC 104800, *see* D-00163
NSC 104801, *see* B-00286
NSC 105546, *see* M-00234
NSC 106563, *see* B-00114
NSC 106564, *see* B-00419
NSC 106565, *in* B-00418
NSC 106566, *in* E-00114
▷NSC 106568, *see* T-00501
NSC 106569, *in* T-00164
▷NSC 106570, *see* R-00079
▷NSC 106571, *in* B-00359
NSC 106572, *see* T-00368
▷NSC 106959, *in* C-00053
NSC 106960, *see* G-00074
▷NSC 106962, *in* I-00129
▷NSC 106995, *see* L-00082
NSC 107079, *see* C-00315
▷NSC 107412, *see* C-00557
NSC 107429, *see* C-00588
▷NSC 107430, *see* P-00093
NSC 107431, *in* D-00138
NSC 107433, *see* T-00048
▷NSC 107434, *in* T-00581
NSC 107529, *in* T-00532
▷NSC 107654, *see* C-00223
▷NSC 107677, *in* D-00391
NSC 107678, *in* A-00385
▷NSC 107679, *see* C-00630
NSC 107680, *in* F-00156
▷NSC 108034, *in* P-00179
▷NSC 108160, *in* D-00594
▷NSC 108161, *see* P-00386
NSC 108163, *in* G-00114
NSC 108164, *see* E-00085
▷NSC 108165, *see* T-00213
▷NSC 109212, *see* I-00209
▷NSC 109229, *see* A-00458
▷NSC 10973, *see* E-00231
▷NSC 109723, *see* T-00469
▷NSC 109724, *see* I-00021
▷NSC 110364, *see* O-00131
▷NSC 110430, *see* C-00312
▷NSC 110432, *see* D-00183
▷NSC 110433, *see* S-00198
▷NSC 111071, *in* C-00045
▷NSC 111180, *in* A-00031
▷NSC 112259, *in* O-00028
▷NSC 112682, *see* E-00066
NSC 112931, *see* T-00137
▷NSC 11319, *see* H-00203
▷NSC 113233, *see* M-00403
▷NSC 113891, *in* M-00116
▷NSC 114575, *see* M-00399
▷NSC 114649, *in* F-00112

NSC 114650, *in* D-00377
▷NSC 114901, *in* D-00095
▷NSC 115748, *in* C-00200
▷NSC 115944, *see* C-00230
NSC 117614, *in* C-00667
▷NSC 118191, *see* M-00463
▷NSC 11905, *see* H-00157
▷NSC 119875, *in* D-00139
▷NSC 12165, *see* F-00195
NSC 12198, *in* H-00153
▷NSC 122402, *see* R-00068
▷NSC 122819, *see* T-00071
NSC 122870, *in* M-00174
▷NSC 123018, *see* M-00057
▷NSC 123127, *see* A-00080
▷NSC 125717, *in* C-00355
▷NSC 125973, *see* T-00037
▷NSC 126849, *see* D-00031
▷NSC 127716, *in* D-00077
▷NSC 129185, *see* M-00475
▷NSC 129224, *see* A-00072
▷NSC 129943, *see* R-00016
▷NSC 130004, *in* T-00189
▷NSC 13252, *see* A-00476
▷NSC 133099, *in* R-00047
▷NSC 134087, *see* P-00411
▷NSC 134434, *see* H-00093
▷NSC 134454, *in* T-00115
▷NSC 134679, *see* C-00063
▷NSC 136947, *see* N-00156
NSC 137443, *in* K-00002
▷NSC 13875, *see* T-00535
NSC 139490, *in* K-00021
NSC 139593, *see* S-00255
NSC 140115, *see* E-00152
▷NSC 14083, *see* S-00161
▷NSC 140865, *in* C-00531
▷NSC 141046, *see* C-00450
▷NSC 141537, *in* A-00386
▷NSC 141540, *see* E-00262
▷NSC 142005, *see* C-00272
▷NSC 14210, *in* M-00084
NSC 14279, *in* M-00108
▷NSC 143095, *in* P-00566
▷NSC-143969, *see* T-00277
▷NSC 145668, *in* C-00600
▷NSC 14574, *in* L-00110
▷NSC 148958, *see* T-00055
▷NSC 150339, *see* S-00125
▷NSC 15353, *in* A-00093
▷NSC 153858, *see* M-00026
NSC 154020, *see* T-00445
▷NSC 15432, *see* N-00213
▷NSC 156303, *see* A-00373
▷NSC 157658, *in* D-00070
NSC 15796, *see* B-00021
▷NSC 158565, *see* C-00252
NSC 163500, *see* P-00044
NSC 163501, *see* A-00405
▷NSC 164011, *in* D-00019
▷NSC 166641, *see* F-00219
▷NSC 16895, *see* L-00058
▷NSC 169105, *see* D-00579
▷NSC-172112, *see* S-00124
▷NSC 17261, *see* I-00075
▷NSC 17591, *in* H-00111
NSC 17789, *see* B-00084
NSC 180973, *see* T-00023
▷NSC-182986, *see* D-00150
▷NSC 18317, *in* D-00349
▷NSC 192965, *in* S-00123
▷NSC 19477, *in* H-00046
▷NSC 19494, *see* D-00124
▷NSC 19893, *see* F-00190
▷NSC 19962, *see* E-00200
▷NSC 20088, *see* C-00106
NSC 20246, *see* C-00407
▷NSC 20272, *see* C-00530
▷NSC 20527, *see* B-00292
▷NSC 208734, *see* A-00042
▷NSC 21626, *see* O-00105
▷NSC 218321, *see* P-00105
NSC 224131, *see* S-00108
▷NSC 23162, *in* H-00185
▷NSC 233898, *see* A-00255
▷NSC 23516, *in* A-00216
▷NSC 23759, *see* T-00100
▷NSC 238159, *see* N-00196
▷NSC 239336, *in* C-00667
▷NSC 241240, *see* C-00061
NSC 245382, *see* N-00151
NSC 245467, *in* V-00032
▷NSC 24559, *see* M-00397
▷NSC 247561, *see* N-00163
NSC 249008, *see* T-00514
▷NSC 24970, *see* B-00293
▷NSC 25116, *see* A-00252
▷NSC 25141, *see* B-00339
▷NSC 25154, *see* B-00195
▷NSC 25159, *see* A-00306
NSC 253272, *see* C-00036
NSC 25413, *see* A-00313
NSC 25614, *see* P-00224
NSC 256438, *in* A-00080
▷NSC 256439, *see* I-00016
▷NSC 256927, *see* I-00162
▷NSC-256942, *in* A-00080
NSC 259968, *see* B-00261
▷NSC 26176, *see* D-00115
▷NSC 26198, *see* O-00154
▷NSC 26271, *see* C-00634
▷NSC 26386, *in* H-00175
NSC 264137, *in* E-00028
▷NSC 267469, *in* A-00080
▷NSC 26806, *see* A-00527
▷NSC 269148, *see* M-00092
▷NSC 26980, *see* M-00404
NSC 27178, *see* C-00035
▷NSC 27640, *see* D-00079
▷NSC 280594, *in* T-00445
NSC 28120, *see* A-00312
NSC 281272, *see* F-00020
NSC 284356, *see* M-00398
▷NSC 286193, *see* T-00246
NSC 287513, *in* A-00180
NSC 289487, *see* A-00467
▷NSC 29215, *see* T-00533
▷NSC 292652, *see* D-00108
▷NSC 29485, *see* C-00237
NSC 296934, *see* T-00096
▷NSC 296961, *see* E-00155
▷NSC 298223, *see* R-00001
▷NSC 301467, *see* E-00139
NSC 30152, *see* D-00439
▷NSC 301739, *in* M-00407
▷NSC 30211, *see* T-00534
NSC 30223, *see* H-00129
▷NSC 305884, *in* A-00045
NSC 308847, *see* A-00356
NSC 310633, *see* T-00276
▷NSC 31083, *see* A-00053
NSC 311056, *see* S-00126
▷NSC 312887, *in* F-00142
▷NSC 32065, *see* H-00220
▷NSC 32074, *see* A-00514
▷NSC 32363, *in* E-00204
NSC 325014, *see* B-00005
NSC 328786, *see* A-00208
NSC 32942, *see* B-00118
▷NSC 32946, *in* M-00402
NSC 33001, *see* F-00186
NSC 33077, *in* T-00438

NSC 331615, *in* N-00038
NSC 332488, *see* A-00378
NSC 335153, *in* D-00546
NSC 33669, *see* E-00036
NSC 337766, *in* B-00191
NSC 340847, *in* R-00039
NSC 341952, *see* Z-00020
NSC 34249, *in* P-00094
NSC 343499, *see* M-00239
▷NSC 34462, *see* B-00197
▷NSC 34521, *see* D-00111
NSC 345842, *in* M-00004
NSC 34632, *see* M-00002
NSC 347512, *see* O-00136
▷NSC 35051, *in* M-00084
▷NSC 351358, *see* B-00166
▷NSC 353451, *see* M-00408
▷NSC 35443, *see* P-00019
NSC 35752, *in* B-00220
NSC 357704, *in* A-00080
NSC 362856, *see* T-00064
NSC 36539, *in* P-00563
NSC 368390, *in* B-00269
▷NSC 37095, *see* U-00012
NSC 37096, *see* B-00091
▷NSC 38297, *see* B-00296
▷NSC 38721, *see* D-00180
▷NSC 38887, *see* T-00178
▷NSC 39069, *in* T-00219
▷NSC 39084, *see* A-00513
▷NSC 39415, *in* D-00567
▷NSC 39690, *in* P-00442
NSC 40144, *in* A-00264
▷NSC 403169, *see* A-00050
▷NSC 404241, *in* A-00435
▷NSC 405124, *see* T-00442
NSC 40725, *see* D-00144
NSC 408735, *see* D-00147
▷NSC 40902, *see* P-00183
▷NSC 409962, *see* B-00199
▷NSC 42044, *see* L-00065
▷NSC 43183, *in* F-00082
NSC 43193, *see* S-00139
▷NSC 43798, *in* P-00037
▷NSC 44827, *in* D-00092
▷NSC 45383, *see* S-00162
▷NSC 45388, *see* D-00001
NSC 45409, *see* P-00561
▷NSC 45463, *in* A-00252
▷NSC 46077, *see* D-00069
NSC 47439, *see* F-00208
NSC 47774, *see* P-00301
▷NSC 49171, *see* S-00015
▷NSC 49842, *in* V-00032
NSC 51097, *in* A-00238
NSC 51812, *see* D-00065
▷NSC 524411, *see* M-00179
▷NSC 525334, *see* N-00133
NSC 526062, *in* D-00472
NSC 526063, *in* D-00472
NSC 526280, *in* D-00165
NSC 52644, *see* P-00595
▷NSC 527579, *in* D-00336
▷NSC 527604, *see* D-00044
NSC 527986, *in* F-00281
▷NSC 528004, *see* L-00037
NSC 528880, *in* P-00258
▷NSC 54702, *see* F-00156
▷NSC 55926, *in* F-00249
NSC 55975, *see* E-00080
NSC 56054, *see* A-00404
▷NSC 56192, *see* F-00303
▷NSC 56308, *see* E-00082
▷NSC 56654, *see* A-00531
NSC 56808, *in* E-00190
▷NSC 59729, *see* S-00109
▷NSC 59989, *see* B-00109
NSC 60584, *see* B-00098
NSC 60719, *in* D-00468
NSC 612049, *see* D-00221
▷NSC-61815, *in* D-00138
▷NSC 62164, *in* B-00271
▷NSC 62323, *see* F-00202
▷NSC 62939, *see* T-00502
▷NSC 63963, *in* A-00222
▷NSC 64087, *in* C-00481
▷NSC 64198, *see* D-00152
NSC 64375, *see* B-00102
NSC 64540, *in* P-00593
NSC 64826, *see* A-00517
NSC 64967, *in* M-00178
▷NSC 65411, *in* F-00150
NSC 66233, *in* H-00123
▷NSC 66248, *see* B-00281
▷NSC 66847, *see* P-00223
▷NSC 66952, *see* A-00246
▷NSC 67068, *see* O-00086
▷NSC 67239, *in* A-00514
▷NSC 67574, *in* V-00037
NSC 68982, *see* G-00098
NSC 69529, *see* M-00401
▷NSC 69536, *see* M-00165
▷NSC 69811, *in* M-00264
NSC 69948, *in* N-00221
▷NSC 70600, *in* A-00025
▷NSC 70668, *in* M-00078
▷NSC 70731, *see* L-00051
▷NSC 70735, *in* N-00021
▷NSC 70762, *see* T-00344
▷NSC 70845, *see* N-00198
NSC 70933, *in* C-00593
▷NSC 71047, *see* T-00521
▷NSC 71423, *in* H-00174
▷NSC 71755, *in* C-00095
▷NSC 71795, *see* E-00027
▷NSC 71901, *see* S-00141
▷NSC 72005, *see* C-00262
▷NSC 74226, *in* M-00178
NSC 75054, *see* M-00137
▷NSC 75520, *see* D-00084
▷NSC 76098, *in* C-00295
NSC 76239, *see* P-00564
▷NSC 76455, *see* P-00053
NSC 77120, *see* S-00204
▷NSC 77213, *see* P-00448
▷NSC 77370, *in* A-00226
▷NSC 77471, *see* M-00400
▷NSC 77625, *see* T-00420
▷NSC 77747, *in* P-00285
▷NSC 77830, *in* C-00603
▷NSC 78194, *in* M-00185
▷NSC 78502, *see* M-00044
▷NSC 78559, *see* F-00217
NSC 78714, *in* C-00511
NSC 78987, *see* I-00194
▷NSC 79037, *see* L-00083
▷NSC 80439, *see* D-00225
NSC 80998, *see* C-00551
▷NSC 81430, *in* C-00651
▷NSC 82116, *see* G-00050
▷NSC 82151, *in* D-00019
▷NSC 82196, *see* I-00030
▷NSC 82699, *see* F-00148
▷NSC 83653, *in* A-00206
NSC 83799, *see* D-00429
▷NSC 84054, *in* G-00023
▷NSC 84223, *in* H-00118
▷NSC 84973, *in* C-00649
▷NSC 85791, *see* E-00145
▷NSC 85998, *see* S-00164
▷NSC 88536, *in* H-00123
▷NSC 89199, *in* E-00127

▷NSC 92336, *see* D-00624
NSC 93158, *see* A-00464
NSC 94100, *see* D-00164
▷NSC 94600, *in* C-00024
NSC 95072, *see* O-00057
NSC 95147, *in* H-00111
▷NSC 95441, *see* S-00041
▷NSC A649*A*, *see* O-00038
NSC 297879D, *see* E-00178
▷NSC 327471D, *see* P-00046
NSC 329514D, *see* C-00047
NSC 92858E, *in* H-00161
NSD 1055, *in* B-00275
▷NTA 194, *in* T-00245
NTCHP, *in* H-00185
▷NTOI, *see* N-00156
Nu-1196, *in* P-00460
▷Nu 1504, *in* P-00156
Nu-1779, *in* P-00460
Nu 1932, *in* M-00105
▷Nu 2206, *in* H-00166
Nu 404, *see* A-00311
▷Nu 582, *see* P-00288
Nu 896, *see* P-00498
▷Nu 903, *see* D-00255
▷Nu 2-2222, *in* T-00498
Nubain, *in* N-00028
▷Nubarene, *see* C-00272
▷Nubirol, *see* C-00272
Nucitol, *see* I-00074
Nuclomedone, N-00230
Nuclotixene, N-00231
▷Nuctane, *see* T-00425
▷Nufenoxole, N-00232
Nuital, *see* E-00266
Nullatuss, *see* I-00177
▷Nulsa, *see* P-00468
▷Numal, *see* A-00430
▷Numoquin, *see* E-00163
Numorphan, *see* O-00155
Numorphan Oral, *see* H-00101
Numotac, *in* I-00185
▷Nuncital, *see* E-00042
Nupasal, *see* S-00016
▷Nupercainal, *see* C-00357
▷Nupercaine hydrochloride, *in* C-00357
▷Nupor, *see* P-00213
▷Nuprin, *see* S-00248
Nurofen, *see* I-00008
Nutrasweet, *see* A-00460
Nutrin, *in* N-00086
▷Nuvanol *N*, *see* I-00104
▷Nuvantop, *in* F-00057
Nuvenzipine, N-00233
NVB, *see* V-00041
NY 198, *see* L-00078
Nycal, *in* D-00568
▷Nycil, *see* C-00261
Nyctalux, *see* K-00009
▷Nydrane, *see* B-00022
Nylestriol, N-00234
Nylidrin, *see* B-00367
▷Nylidrin hydrochloride, *in* B-00367
▷Nystal, *see* E-00157
▷Nystatin, N-00235
Nystatin A_1, *in* N-00235
35-NZ, *see* T-00541
NZ 237, *in* B-00202
▷O 6553, *see* M-00357
16-O-Acetylglucogitrodimethoside, *in* T-00474
O-Acetylyohimbine, *in* Y-00002
Oberex, *see* C-00462
▷Obesin, *see* M-00242
Obidoxime(2+), O-00001
▷Obidoxime chloride, *in* O-00001
▷Obliterol, *in* E-00209
▷Obracine, *in* N-00059
Obtsusinin, *in* H-00148
▷Obumentin, *in* C-00410
OC 34, *see* V-00036
OC 6020, *see* V-00045
Oceral, *in* O-00111
Ocestrol, *see* B-00077
3-o-[(*p*-Chloro-α-phenylbenzyl)oxy]tropine, 7CI, *see* C-00436
Ociltide, O-00002
Ocrase, O-00003
▷Ocriten, *see* H-00203
Octabenzone, O-00004
Octacaine, O-00005
Octacosactrin, O-00006
Octadecactide, *see* G-00025
9,12-Octadecadienoic acid, O-00007
▷Octadecafluorodecahydronaphthalene, O-00008
▷1-Octadecanamine, *see* O-00012
6,9,12-Octadecatrienoic acid, O-00009
9-Octadecen-1-amine, *see* O-00011
9-Octadecenoic acid, O-00010
9-Octadecenylamine, O-00011
▷Octadecylamine, O-00012
1-*O*-Octadecyl-*sn*-glycerol, *in* D-00337
Octafonium, *see* O-00015
Octafonium chloride, *in* O-00015
[(Octahydro-2-azocinyl)methyl]guanidine, *see* G-00111
2,3,4,4*a*,8,9,13*b*,14-Octahydro-1*H*-benzo[6,7]-cyclohepta[1,2,3-*de*]pyrido[2,1-*a*]isoquinoline, *see* T-00002
9,10,13,14,15,16,20,20*a*-Octahydro-15,18-dihydroxy-19-methoxy-2-methyl-9-phenylcyclopent[*i*]azacyclononadecine-7,17(8*H*,19*H*)-dione, *see* H-00081
3*a*,3*b*,4,4*a*,7*a*,8,8*a*,8*b*-Octahydro-4,8-ethenopyrrolo[3′,4′:3,4]-cyclobut[1,2-*f*]isoindole-1,3,5,7(2*H*,6*H*)-tetrone, *see* M-00398
2,3,3*a*,5,6,11,12,12*a*-Octahydro-8-hydroxy-1*H*-benzo[*a*]-cyclopenta[*f*]quinolizinium, *see* Q-00018
3-[(Octahydro-2-hydroxyfuro[3,2-*b*]pyridin-2-yl)methyl]-4(3*H*)-quinazolinone, *see* I-00186
Octahydromenaquinone 9, *in* V-00065
1,2,3,4,4*a*,5,6,10*b*-Octahydro-9-methoxy-10*b*-methyl-phenanthridine, *see* T-00340
2,3,4,4*a*,8,9,13*b*,14-Octahydro-3-(1-methylethyl)-1*H*-benzo[6,7]-cyclohepta[1,2,3-*de*]pyrido[2,1-*a*]isoquinolin-3-ol, *see* D-00112
5,6,6*a*,7,8,9,10,10*a*-Octahydro-6-methyl-3-(1-methyl-4-phenylbutoxy)-1,9-phenanthridinediol 1-acetate, *see* N-00038
4,4*a*,5,6,7,8,8*a*,9-Octahydro-5-propyl-1*H*-pyrazolo[3,4-*g*]-quinoline, *see* Q-00032
5,5*a*,6,7,8,9,9*a*,10-Octahydro-6-propylpyrido[2,3-*g*]-quinazolin-2-amine, *see* Q-00019
▷Octahydro-1-(3,4,5-trimethoxybenzoyl)azocine, *see* T-00544
Octahydro-1-(3,4,5-trimethoxycinnamoyl)azocine, *see* C-00374
▷Octahydro-3,6,9-trimethyl-3,12-epoxy-12*H*-pyrano[4,3-*j*]-1,2-benzodioxepin-10(3*H*)-one, *see* A-00452
Octamoxin, *see* M-00258
Octamylamine, O-00013
▷Octanenitrile, *in* O-00014
▷Octanil, *in* M-00256
▷Octanoic acid, O-00014
▷Octanucline, *see* N-00232
Octaphen, *in* O-00015
Octaphonium(1+), O-00015
Octaphonium chloride, *in* O-00015
Octapinol, O-00016
Octapressin, *see* F-00029
Octasept, *in* O-00015
Octasetten, *in* O-00015
Octastine, O-00017
▷Octatropine methylbromide, O-00018
Octaverine, O-00019
Octazamide, *in* H-00049

Octenidine, O-00020
Octenidine hydrochloride, *in* O-00020
Octenidine saccharin, *in* O-00020
Octestrol, *see* B-00077
Octibenzonium(1+), O-00021
Octibenzonium bromide, *in* O-00021
Octimibate, *see* T-00525
▷Octin, *in* M-00256
Octinum *D*, *see* O-00013
Octisamyl, *see* O-00013
▷Octoclothepin, *see* C-00501
Octocrilene, *in* C-00582
Octocrylene, *in* C-00582
Octodecactide, *see* C-00524
▷Octodrine, *see* M-00257
Octoestrol, *see* B-00077
Octofene, *see* C-00461
Octofollin, *see* B-00077
Octometine, *see* O-00013
▷Octon, *in* M-00256
▷Octopamine, O-00022
▷*m*-Octopamine, *see* A-00272
Octopirox, *in* P-00344
Octopressin, *see* F-00029
▷Octotiamine, O-00023
Octoxinol 9, *see* O-00024
Octoxynol 9, O-00024
Octreotide, O-00025
Octriptyline, O-00026
Octriptyline phosphate, *in* O-00026
Octrizole, O-00027
2-Octylhydrazine, *see* M-00258
Octylonium, *see* O-00069
4′-Octyl-3-piperidinopropiophenone, *see* P-00299
N-(1-Octyl-4(1*H*)-pyridinylidene)-1-octanamine, *see* P-00358
S-Octylthiobenzoate, *in* T-00193
OD 507, *see* D-00549
ODA 914, *see* D-00030
Odeax, *see* D-00030
4-O-Demethyl-11-deoxy-13-dihydrodaunorubicin, *in* C-00081
4-O-Demethyl-11-deoxydoxorubicin, *in* A-00080
4-O-Demethyl-11,13-dideoxydaunorubicin, *in* C-00081
O-Demethyllycoramine, *in* G-00002
3-O-Demethylmonensin, *in* M-00428
3-O-Demethylmonensin B, *in* M-00428
2^C-O-Demethyltylosin, *in* T-00578
▷Odiston, *in* D-00138
Odoroside *F*, *in* D-00274
▷O-Due, *see* T-00030
Oestradiol, O-00028
▷Oestradiol benzoate, *in* O-00028
Oestradiol-retard Theramex, *in* O-00028
▷Oestradiol valerate, *in* O-00028
1,3,5(10)-Oestratrien-3,17-diol, *see* O-00028
▷1,3,5(10)-Oestratrien-3,16α,17β-triol, *see* O-00030
1,3,5(10)-Oestratrien-3,16β,17β-triol, *in* O-00030
4-Oestrene-3,17-diol, O-00029
▷Oestrenolone, *in* H-00185
▷Oestrin, *see* O-00031
▷Oestriol, O-00030
16β-Oestriol, *in* O-00030
Oestriol diacetate benzoate, *in* O-00030
Oestriol sodium succinate, BAN, *in* O-00030
Oestriol succinate, *in* O-00030
▷Oestrodiene, *see* D-00223
▷Oestrone, O-00031
Oestrone-*b*, *in* O-00031
Oestrophan, *in* C-00490
β-O-Ethylsynephrine, *in* S-00286
▷Ofamicin, *see* M-00096
Ofloxacin, O-00032
Ofornine, *see* P-00575
▷Oftan-Eco, *in* E-00010
Oftasceine, O-00033
Oftazol, *see* S-00009
Ogostal, *in* C-00031
▷Ogyline, *see* N-00219
▷Ohio 347, *see* C-00230
O-(4-Hydroxybenzoyl)choline, *in* C-00308
▷Oil of wintergreen, *see* M-00261
Okinazole, *in* O-00111
Okistyptin, *in* C-00552
▷Oksazil, *in* A-00167
Oksifemedol, *in* H-00173
OKY 046, *in* O-00168
OL 1, *see* T-00214
OL 110, *see* T-00214
▷OL 27-400, *in* C-00638
▷Olafur, *in* T-00537
▷Olaquindox, O-00034
▷Olaxin, *in* C-00465
▷Olbatam, *in* M-00302
Olbiacor, *in* F-00044
▷Olcadil, *see* C-00517
▷Oleandomycin, O-00035
▷Oleandrigenin, *in* T-00474
▷Oleandrin, *in* T-00474
12-Oleanene-3,16,21,22,24,28-hexol, O-00036
▷Oleic acid, *in* O-00010
Oleomorphocycline, *in* M-00450
▷Oleotope, *in* O-00010
▷Oleovitamin D_2, *see* C-00012
▷Oleptan, *in* F-00240
Oletimol, *see* B-00121
▷Oleylamine, *in* O-00011
Olicrem, *see* C-00378
▷Oligomycin *D*, O-00037
Olimpen, *see* P-00068
▷Olimplex, *in* D-00276
Olinkol, *see* D-00190
▷Olivomycin *A*, O-00038
▷Olivomycin, INN, *in* O-00038
Olmidine, O-00039
Olmifon, *see* A-00074
Olpimedone, O-00040
Olsalazine, O-00041
Olsalazine sodium, *in* O-00041
▷Oltipraz, O-00042
Olvanil, *in* H-00149
▷Olympax, *in* D-00263
Olynth, *in* X-00023
▷OM 518, *see* M-00095
OM 977, *see* E-00136
OM 173α_1, *in* N-00036
OM 173β_1, *in* N-00036
OM 173αA, *in* N-00036
OM 173βA, *in* N-00036
Omadine disulfide, *in* D-00551
Omadine MDS, *in* D-00551
▷Omain, *see* D-00062
▷Omal, *see* T-00441
▷Omatropil, *see* H-00082
OMDS, *in* D-00551
Omega-3 Marine Triglycerides, O-00043
Omeprazole, O-00044
Omeral, *see* M-00435
Omeril, *in* M-00035
3-O-Methylcoumestrol, *in* C-00558
O-Methyldauricine, *in* D-00020
O-Methyldauricine 2-N-oxide, *in* D-00020
O-Methyldauricine 2′-N-oxide, *in* D-00020
▷3′-O-Methylevomonoside, *in* D-00274
O-Methylgalanthamine, *in* G-00002
2′-O-Methylglabridin, *in* G-00026
β-O-Methylsynephrine, *in* S-00286
Om-Furan, *see* N-00121
Omidoline, O-00045
▷Omnes, *see* N-00118
▷Omnibel, *in* H-00082
Omnipaque, *see* I-00117
▷Omnipen-*N*, *in* A-00369

▷Omnipress, *see* A-00362
▷Omnisan, *see* E-00074
Omnitrol, *in* F-00186
Omoconazole, O-00046
Omonasteine, *see* T-00136
OMR 37, *see* A-00066
▷OMS 479, *see* D-00457
Onapristone, O-00047
▷Onco-Carbide, *see* H-00220
▷Oncodazole, *see* N-00196
▷Oncoredox, *see* T-00533
▷Oncostatin *C*, *see* A-00054
▷Oncostatin K, *see* A-00057
▷Oncovin, *see* V-00037
Ondansetron, O-00048
Ondansetron hydrochloride, *in* O-00048
O,N-Diacetyl-N-demethylgalanthamine, *in* G-00002
▷Ondonid, *see* C-00602
Onitin, O-00049
Onitoside, *in* O-00049
ONO 1206, *see* L-00050
▷ONO 802, *see* G-00015
▷ONO 995, *see* F-00266
Onokrein *P*, *see* K-00003
▷Ontianil, O-00050
▷Ontosein, *see* O-00056
Ooporphyrin, *see* P-00541
OP 1206, *see* L-00050
▷Opacin, *in* T-00142
▷Opacist, *see* I-00095
▷Opacister, *see* I-00095
▷Opacoron, *in* A-00340
▷Opalene, *see* T-00502
Opaxil, *see* I-00109
▷OPC 1085, *in* C-00102
OPC 1427, *in* B-00251
OPC-3689, *see* C-00346
OPC 8212, *see* V-00026
OPC 12759, *see* C-00219
OPC 13013, *see* C-00347
▷Opeprim, *see* D-00180
▷Operidine, *see* P-00131
▷Operidine, *in* P-00165
▷Opertil, *see* O-00157
Ophiopogonin A, *in* S-00128
Ophiopogonin B, *in* S-00128
Ophiopogonin C, *in* S-00128
Ophiopogonin D, *in* S-00128
Ophtamedine, *in* H-00058
Ophtazol, *see* S-00009
▷Ophthafalicain, *see* P-00289
▷Ophthocillin, *see* X-00005
▷Ophtorenin, *in* B-00369
Opianine, *see* N-00052
▷Opilon, *in* T-00227
▷Opiniazide, O-00051
Opioid, *see* E-00260
▷Opipramol, O-00052
▷Opipramol hydrochloride, *in* O-00052
▷Opiran, *see* P-00263
▷Opramol, *in* O-00052
▷Opren, *see* B-00059
▷Oprimol, *in* O-00052
Optanox, *see* V-00046
Opthaine, *in* P-00550
Opticortenol, *in* D-00111
▷Opticrom, *in* C-00565
▷Optimine, *in* A-00512
▷Optimyd, *in* P-00412
▷Optison, *in* C-00437
Optisulin, *see* I-00078
▷Optochin, *see* E-00163
Optojod, *see* D-00358
▷Optoquine, *see* E-00163
Opturon, *see* A-00162
▷Optyn, *see* B-00381
Orabeta, *see* H-00032
Orabilex, *see* B-00363
Orabilix, *see* B-00363
Orablix, *see* B-00363
▷Orabolin, *see* E-00213
▷Oracaine, *in* A-00289
▷Oracillin, *see* P-00171
▷Oraflex, *see* B-00059
▷Oragallin, *see* A-00525
▷Orageston, *see* A-00132
Oragrafin calcium, *in* I-00129
▷Oragrafin sodium, *in* I-00129
▷Oragulant, *see* D-00483
Oraldene, *see* H-00064
▷Oralep, *see* P-00263
▷Oraleptin, *see* P-00062
▷Oralipin, *see* B-00148
Oranabol, *see* O-00152
Orange crush, *see* B-00191
▷Oranixon, *see* M-00283
▷Orap, *see* P-00263
▷Oraspor, *see* C-00149
▷Ora-Testryl, *see* F-00195
▷Oratrast, *see* B-00014
▷Oratren, *see* P-00171
▷Oratrol, *see* D-00206
Oravesin, *see* I-00123
▷Oraviron, *see* H-00154
▷Oravue, *see* I-00132
▷Orazamide, *in* A-00275
▷Orbicin, *see* D-00154
▷Orbil, *see* I-00091
▷Orbinamon, *see* T-00213
▷Orbisect, *see* P-00213
▷Orbpenin, *in* C-00515
▷Orciprenaline, O-00053
Orconazole, O-00054
Orconazole nitrate, *in* O-00054
Ordiflazine, *see* L-00045
▷Ordil, *in* B-00271
▷Ordimel, *see* A-00023
▷Ordinator, *see* E-00174
▷Orencil, *in* B-00126
Orestrate, O-00055
▷Oreton Methyl, *see* H-00154
ORF 1658, *in* A-00375
▷ORF 3858, *see* E-00205
▷ORF 8063, *see* T-00460
▷ORF 9326, *in* N-00161
▷ORF 10131, *see* N-00216
ORF 11676, *see* N-00030
ORF 15244, *see* T-00225
▷ORF 15817, *see* E-00015
ORF 15927, *see* R-00061
ORF 16600, *see* B-00031
ORF 17070, *see* H-00080
ORF 20485, *see* T-00077
Orfenso, *in* D-00510
Orfilon, *see* A-00492
▷Org 2969, *see* D-00099
▷Org 483, *see* E-00213
▷Org 5730, *in* B-00134
Org 6001, *in* A-00261
Org 6216, *see* R-00057
Org 817, *see* E-00080
▷Orgabolin, *see* E-00213
▷Orgaboral, *see* E-00213
▷Orgametil, *see* L-00121
▷Orgametril, *see* L-00121
▷Orgametrol, *see* L-00121
▷Organidin, *see* I-00103
▷Organolipid, *see* D-00443
Orgasteron, *see* N-00221
▷Org NC 45, *in* V-00014
Org OD 14, *see* T-00251
▷Orgotein, O-00056

Oriconazole, *see* I-00222
Oriens, *in* G-00072
Orientomycin, *see* A-00277
▷Origen, *see* T-00544
▷Orimeten, *see* A-00305
▷Orinase, *see* T-00345
▷Orisulf, *see* S-00250
OR K 242, *see* V-00001
Orlipastat, *in* L-00055
▷Ormetein (obsol.), *see* O-00056
Ormetoprim, O-00057
▷Ormosurrenol, *see* H-00203
▷Ornid, *in* B-00271
▷Ornidal, *see* O-00058
▷Ornidazole, O-00058
Ornipressin, *in* V-00013
Ornithine, O-00059
8-L-Ornithinevasopressin, *in* V-00013
Ornithuric acid, *in* O-00059
▷Ornitrol, *in* A-00495
Ornoprostil, O-00060
Orofar, *in* B-00117
▷Oronol, *in* T-00201
▷Orotic acid, O-00061
Orotic acid dimethylamide, *in* O-00061
Orotirelin, O-00062
Orotonsan *S*, *in* O-00061
Orotyl-L-histidyl-L-prolinamide, *see* O-00062
ORP 469, *see* B-00393
▷Orpanoxin, O-00063
▷Orphan, *in* H-00166
▷Orphazone, *see* N-00190
▷Orphenadrine, O-00064
Orphenadrine citrate, *in* O-00064
Orpidan, *in* C-00275
▷Orpizin, *see* C-00275
Orsimon, *in* M-00439
Ortetamine, O-00065
[[Orthoborato(1−)-*O*]phenyl]mercury, *in* H-00191
▷Orthocaine, *in* A-00263
Orthocoll, *in* H-00147
Orthodelfen, *see* N-00206
▷Orthoderm, *in* A-00263
▷Orthoform New, *in* A-00263
Orthoform-old, *in* A-00265
▷Orthoiodin, *in* I-00101
▷Ortho-Novin, *in* M-00138
Orthophosphoric acid, *see* P-00219
▷Orthoxicol, *in* M-00211
Orthoxine, *see* M-00211
▷Orthoxyprocaine, *see* H-00206
▷Ortin, *in* T-00538
▷Ortrel, *see* N-00216
▷Ortyn, *in* B-00082
▷Orudis, *see* K-00017
▷Oryzanin, *see* T-00174
▷OS 3966*A*, *see* N-00036
▷Osalmid, O-00066
▷Osbil, *see* I-00091
▷Osbiland, *see* I-00091
▷Oscine, *see* S-00031
▷Oscine tropate, *see* S-00031
Osmadizone, O-00067
▷Osmitrol, *in* M-00018
Osmocaine, *in* A-00318
▷Osmoglyn, *see* G-00064
Osnervan, *in* P-00455
▷Ospen, *see* P-00171
▷Ospolot, *see* S-00263
▷Ossicodone, *in* O-00155
Ossimesterone, *see* O-00152
Ossimorfone, *see* O-00155
▷Ostensin, *in* T-00499
▷Ostensol, *in* T-00499
Ostreogricin Z_1, *see* P-00440
▷Ostreogrycin, *in* O-00068
Ostreogrycin *A*, O-00068
Ostreogrycin B_1, *see* P-00440
▷Otalgine, *in* T-00583
Otamidyl, *in* D-00168
▷Oterna, *in* M-00430
Otilonium(1+), O-00069
▷Otilonium bromide, *in* O-00069
Otimerate, O-00070
Otimerate sodium, *in* O-00070
Otinyl, *in* D-00565
▷Otodyne, *in* Z-00027
Otrivin, *in* P-00141
Otrivine, *in* X-00023
Otrix, *in* X-00023
▷Otrun, *in* D-00408
Ottimal, *in* T-00257
▷Ouabain, *in* H-00053
▷Oubagenin, *in* H-00053
▷Ovaban, *in* H-00174
Ovandrotone, O-00071
Ovandrotone albumin, *in* O-00071
Ovarelin, *in* L-00116
▷Ovarid, *in* H-00174
▷Ovastol, *see* M-00138
Ovinonic acid, *in* D-00341
▷Ovoflavine, *see* R-00038
▷Ovran, *in* E-00231
Ovran, *in* N-00218
▷Ovranette, *in* E-00231
Ovranette, *in* N-00218
▷Ovulen, *in* E-00227
▷Ovysmen, *in* N-00212
▷OX-373, *see* C-00375
3-(1-Oxa-4-azaspiro[4.6]undec-2-yl)phenol, *see* C-00325
Oxabolone cipionate, O-00072
Oxabrexine, O-00073
Oxaceprol, *in* H-00210
▷Oxacillin, O-00074
Oxacillin sodium, *in* O-00074
▷*o*-1,3,4-Oxadiazol-2-ylphenol, *see* H-00192
Oxadimedine, O-00075
Oxadrolum, *see* D-00472
▷Oxaflozane, O-00076
Oxaflumazine, O-00077
Oxaflumine, *in* O-00077
▷Oxafuradene, *see* N-00115
▷Oxagrelate, O-00078
Oxaine M, *in* M-00008
Oxaldin, *see* O-00032
Oxalept, *see* D-00243
Oxalinast, O-00079
Oxaliplatin, O-00080
Oxamarin, O-00081
Oxamarin hydrochloride, *in* O-00081
▷Oxametacin, O-00082
4-Oxa-5-[(methylcarbamoyl)oxy]tricyclo[5.2.1.$0^{2,6}$]dec-8-en-3-one, *see* M-00458
▷Oxamid, *see* O-00085
Oxamisole, O-00083
Oxamisole hydrochloride, *in* O-00083
▷Oxamniquine, O-00084
Oxamphetamine, *see* A-00322
Oxamycin, *see* A-00277
▷Oxanamide, O-00085
▷Oxandrolone, O-00086
Oxantel, O-00087
Oxantel embonate, *in* O-00087
Oxantel pamoate, *in* O-00087
Oxanthrazole, *see* P-00350
Oxantrazole, *see* P-00350
Oxapadol, O-00088
▷Oxaperan, *in* O-00089
Oxapium(1+), O-00089
▷Oxapium iodide, *in* O-00089
Oxaprazine, O-00090
▷Oxapro, *see* D-00500

Oxapropanium(1+), O-00091
▷Oxapropanium iodide, *in* O-00091
Oxaprotiline, O-00092
Oxaprotiline hydrochloride, *in* O-00092
▷Oxaprozin, *see* D-00500
Oxarbazole, O-00093
Oxarmin, *in* O-00130
▷Oxarsanilic acid, *see* H-00190
Oxatimide, *see* O-00094
Oxatomide, O-00094
▷Oxazacort, *see* D-00046
Oxazafone, O-00095
▷Oxazepam, O-00096
▷Oxazidione, O-00097
▷Oxazolam, O-00098
▷Oxazolazepam, *see* O-00098
Oxazorone, O-00099
▷Oxazyl, *in* A-00167
Oxcarb, *in* D-00281
Oxcarbazepine, *in* D-00281
Oxdralazine, O-00100
Oxedix, *in* O-00107
▷Oxedrine, *see* S-00286
▷Oxeladin, O-00101
Oxendolone, O-00102
▷Oxepinac, O-00103
Oxerutins, *in* T-00559
▷Oxetacaine, *see* O-00106
Oxetacillin, O-00104
▷2-Oxetanone, O-00105
▷Oxethazaine, O-00106
Oxetorone, O-00107
Oxetorone fumarate, *in* O-00107
Oxfenamide, *see* O-00118
▷Oxfendazole, O-00108
Oxfenicine, *see* A-00269
▷Oxiamine, *see* I-00073
▷Oxibendazole, O-00109
Oxibetaine, O-00110
Oxiclipinum, *see* P-00497
Oxiconazole, O-00111
Oxiconazole nitrate, *in* O-00111
▷Oxiconum, *in* O-00155
▷Oxidopamine, *see* A-00255
Oxidronic acid, *see* H-00146
▷Oxifenon, *in* O-00161
Oxifentorex, O-00112
Oxifungin, O-00113
Oxifungin hydrochloride, *in* O-00113
▷Oxiklorin, *see* H-00120
▷Oxikon, *in* O-00155
▷Oxilapine, *see* L-00106
Oxileina, *in* F-00034
Oxilidin, *in* Q-00035
▷Oxilorphan, O-00114
Oximonam, O-00115
Oximonam sodium, *in* O-00115
Oximorphonum, *see* O-00155
Oxindanac, O-00116
▷Oxine, *see* H-00211
Oxiniacic acid, *in* P-00571
▷Oxinofen, *see* H-00195
▷Oxinothiofos, *see* Q-00034
Oxiperomide, O-00117
Oxipurinol, *see* P-00564
Oxiracetam, *in* H-00188
Oxiramide, O-00118
Oxisopred, O-00119
▷Oxisuran, O-00120
Oxitefonium(1+), O-00121
▷Oxitefonium bromide, *in* O-00121
▷Oxitriptan, *in* H-00219
▷Oxitriptyline, O-00122
Oxitropium(1+), O-00123
▷Oxitropium bromide, *in* O-00123
Oxmetidine, O-00124
Oxmetidine hydrochloride, *in* O-00124
Oxmetidine mesylate, *in* O-00124
Oxoallopurinol, *see* P-00564
N-[(4-Oxo-2-azetidinyl)carbonyl]-L-histidyl-L-prolinamide, *see* A-00518
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, O-00125
▷2-Oxo-2*H*-1,3-benzoxazine-3(4*H*)-acetamide, *see* C-00091
▷γ-Oxo-[1,1′-Biphenyl]-4-butanoic acid, *see* B-00181
▷4-(3-Oxobutyl)-1,2-diphenyl-3,5-pyrazolidinedione, *see* K-00006
1-[*N*-(1-Oxobutyl)-L-valine]pepstatin *A*, *in* P-00109
▷Oxocorticosterone, *see* A-00106
▷[(4-Oxo-2,5-cyclohexadien-1-ylidene)amino]guanidine thiosemicarbazone, *see* A-00166
4-(3-Oxo-1-cyclohexen-1-yl)benzeneacetic acid, *see* L-00040
[*p*-(3-Oxo-1-cyclohexen-1-yl)phenyl]acetic acid, *see* L-00040
p-(3-Oxocyclohexyl)hydratropic acid oxime, *see* X-00015
1-(2-Oxocyclohexyl)-2-naphthol, O-00126
p-[(2-Oxocyclopentyl)methyl]hydratropic acid, *see* L-00108
1-[*N*-(1-Oxodecyl)-L-valine]pepstatin *A*, *in* P-00109
▷γ-Oxo-2-dibenzofuranbutanoic acid, O-00127
Oxodipine, O-00128
2-Oxoferruginol, *in* F-00095
γ-Oxo-8-fluoranthenebutanoic acid, *see* F-00121
γ-Oxo-8-fluoranthenebutyric acid, *see* F-00121
Oxogestone, O-00129
Oxogestone phenpropionate, *in* O-00129
17-[(1-Oxoheptyl)oxy]androstan-3-one, *in* H-00109
1-[*N*-(1-Oxoheptyl)-L-valine]pepstatin *A*, *in* P-00109
▷1-(5-Oxohexyl)theobromine, *see* O-00142
7-(5-Oxohexyl)theophylline, *see* L-00081
1-[*N*-(1-Oxohexyl)-L-valine]pepstatin *A*, *in* P-00109
▷Oxohydroxyoestrin, *see* O-00031
N-[4-[2-(1-Oxoisoindoline-2-carboxamido)ethyl]-benzenesulfonyl]-*N*′-cyclohexylurea, *see* G-00046
▷*p*-(1-Oxo-2-isoindolinyl)hydratropic acid, *see* I-00068
▷2-[*p*-(1-Oxo-2-isoindolinyl)phenyl]butyric acid, *see* I-00060
▷Oxolamine, O-00130
21′-Oxoleurosine, *in* L-00037
▷Oxolinic acid, O-00131
▷Oxomemazine, O-00132
2-[1-Oxo-2(1*H*)-naphthalenylidene]hydrazinecarboxamide, *see* N-00022
Oxonazine, O-00133
1-[*N*-(1-Oxooctyl)-L-valine]pepstatin *A*, *in* P-00109
▷*N*-[1-(2-Oxo-1,3-oxathian-4-ylidene)ethyl]-*N*-[(4-amino-2-methyl-5-pyrimidinyl)methyl]formamide, *see* C-00640
▷4-Oxopentanoic acid, O-00134
17-[(1-Oxopentyl)oxy]androstan-3-one, *in* H-00109
▷Oxophenarsine, O-00135
▷Oxophenhydroxazine, *see* B-00097
4-Oxo-2-phenyl-4*H*-1-benzopyran-8-acetic acid, O-00136
2,2′-[(4-Oxo-2-phenyl-4*H*-1-benzopyran-5,7-diyl)bis(oxy)-bis-(acetic acid), *in* D-00326
▷γ-Oxophenylbutazone, *see* K-00006
N-(1-Oxo-2-phenylbutyl)methionine, *see* P-00181
5-Oxo-*N*-(2-phenylcyclopropyl)-2-pyrrolidinecarboxamide, *see* R-00076
17-(2-Oxo-2-phenylethyl)morphinan-3-ol, *see* L-00039
▷2-Oxo-1-(phenylmethyl)cyclohexanepropanoic acid, *see* B-00123
2-Oxo-5-phenyl-*N*-propyl-3-oxazolidinecarboxamide, *see* P-00463
2-Oxo-1-phenyl-2[(3,3,5-trimethylcyclohexyl)oxy]ethyl 3-pyridinecarboxylate, *see* M-00362
2-(2-Oxo-3-piperidinyl)-1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide, *see* S-00272
N-[(6-Oxo-2-piperidinyl)carbonyl]leucyloprolinamide, *see* P-00389
▷11-Oxoprogesterone, *see* P-00417
5-Oxoproline, *see* O-00140
▷5-Oxo-L-prolyl-L-histidyl-L-prolinamide, *see* T-00229
▷2-Oxopropanal, *see* P-00600

▷2-Oxopropionaldehyde, *see* P-00600
▷17-(1-Oxopropoxy)androstan-3-one, *in* H-00109
▷17-(1-Oxopropoxy)androst-4-en-3-one, *in* H-00111
α-[(1-Oxopropoxyl)methyl]benzeneacetic acid 9-methyl-3-oxo-9-aza-tricyclo[3.3.1.$0^{2,4}$]non-7-yl ester, *see* P-00390
1-[*N*-(1-Oxopropyl)-L-valine]pepstatin *A*, *in* P-00109
Oxoprostol, O-00137
10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, O-00138
2-Oxo-1-pyrrolidineacetamide, *in* O-00139
2-Oxo-1-pyrrolidineacetic acid, O-00139
2-Oxo-1-pyrrolidineacetic acid 2-[(2-oxo-1-pyrrolidinyl)-acetyl]-hydrazide, *see* D-00622
5-Oxo-2-pyrrolidinecarboxylic acid, O-00140
2-(2-Oxo-1-pyrrolidinyl)butyramide, *see* E-00240
1-[2-Oxo-2-(1-pyrrolidinyl)ethyl]-4-[1-oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]piperazine, *see* C-00363
▷1-(2-Oxo-1-pyrrolidinyl)-4-(1-pyrrolidinyl)-2-butyne, *see* O-00141
4-Oxoretinoic acid, *in* R-00033
[[2-Oxo-2-[(tetrahydro-2-oxo-3-thienyl)amino]ethyl]thio]-acetic acid, *see* E-00100
Oxo[[3-(1*H*-tetrazol-5-yl)phenyl]amino]acetic acid butyl ester, *see* T-00039
▷4-Oxo-2-thiazolidinehexanoic acid, *see* A-00039
▷4-Oxo-4-[[4-[(2-thiazolylamino)(sulfonyl]phenyl]amino]-butanoic acid, *see* S-00172
4-Oxo-4-[4-[(2-thiazolylamino)sulfonyl]phenyl]amino-2-butenoic acid, *see* M-00015
N-[1-Oxo-2-[(2-thienylcarbonyl)thio]propyl]glycine, *see* S-00145
▷Oxotremorine, O-00141
4-Oxo-4-(3,4,5-trimethoxyphenyl)-2-butenoic acid, *see* B-00018
4-[1-Oxo-3-(3,4,5-trimethoxyphenyl)-2-propenyl]-1-piperazineacetic acid, *see* C-00362
▷22-Oxovincaleukoblastine, *see* V-00037
▷Oxpentifylline, O-00142
Oxpheneridine, O-00143
▷Oxphylline, *see* E-00253
Oxprenoate potassium, *in* O-00144
Oxprenoic acid, O-00144
▷Oxprenolol, O-00145
▷Oxprenolol hydrochloride, JAN, *in* O-00145
▷Oxtriphylline, *in* C-00308
▷Oxucide, *in* P-00285
▷Oxyamethocaine, *see* H-00104
▷Oxybenzone, *in* D-00318
o-Oxyberon, *see* S-00016
4′,4‴-Oxybis[2-chloroacetophenone], *see* C-00453
▷1,1′-Oxybisethane, *see* D-00246
▷3,3′-[Oxybis[2,1-ethanediyloxy(1-oxo-2,1-ethanediyl)imino]]-bis[2,4,6-triiodobenzoic acid], *see* I-00145
3,3′-[Oxybis[2,1-ethanediyloxy(1-oxo-3,1-propanediyl)-imino]]-bis[2,4,6-triiodobenzoic acid], *see* I-00141
N,*N*′-[Oxybis(2,1-ethanediyloxy-4,1-phenylene)]bisacetamide, *see* D-00141
▷1,1′-Oxybisethene, *see* D-00555
3,3′-[Oxybis(ethyleneoxyethylenecarbonylimino)]bis[2,4,6-triiodobenzoic acid], *see* I-00141
1,1′-[Oxybis(methylene)]bis[4-[(hydroxyimino)methyl]]-pyridinium, *see* O-00001
3,3′-[Oxybis(methylenecarbonylimino)]bis(2,4,6-triiodobenzoic acid), *see* I-00115
3,3′-[Oxybis[(1-oxo-2,1-ethanediyl)imino]]bis(2,4,6-triiodobenzoic acid), *see* I-00115
[Oxybis(pentamethylene)]bis[trimethylammonium], *see* O-00150
Oxybisphenacetin, *see* D-00141
2,2′-Oxybisphenol, *see* D-00325
▷1,1′-Oxybis[2,2,2-trifluoroethane], *see* B-00239
5,5′-Oxybis[*N*,*N*,*N*-trimethyl-1-pentanaminium], *see* O-00150
Oxybulan, *in* B-00127
Oxybuprocaine, O-00146
Oxybutynin, O-00147
▷Oxybutynin hydrochloride, *in* O-00147
▷Oxycaine, *see* H-00206
Oxychlorosene, O-00148
Oxychlorosene sodium, *in* O-00148
▷Oxycinchophen, *see* H-00195
Oxyclipine, *see* P-00497
▷Oxyclozanide, O-00149
▷Oxycodeinone hydrochloride, *in* O-00155
▷Oxycodone, *in* O-00155
▷Oxycodone hydrochloride, *in* O-00155
1,1′-(Oxydimethylene)bis[4-formylpyridinium dioxime], *see* O-00001
Oxydimorphone, *see* O-00155
Oxydipentonium(2+), O-00150
▷Oxydipentonium chloride, *in* O-00150
2,2′-Oxydiphenol, *see* D-00325
1,1′-(Oxydi-4,1-phenylene)bis[2-chloroethanone], *see* C-00453
▷Oxydol, *see* H-00100
▷Oxydolantin, *see* H-00189
▷Oxydon, *see* O-00166
Oxyfedrine, O-00151
▷Oxyfedrine hydrochloride, JAN, *in* O-00151
▷Oxyfenamate, *in* P-00179
Oxyfensulfonium, *see* O-00165
▷Oxyflavil, *see* E-00019
Oxyhexadiphensulfonium, *see* O-00165
Oxylidine, *in* Q-00035
Oxylone, *see* F-00186
Oxymesterone, O-00152
Oxymestrone, *see* O-00152
▷Oxymetazoline, O-00153
▷Oxymetazoline hydrochloride, *in* O-00153
▷Oxymethebanol, *see* D-00612
▷Oxymetholone, O-00154
Oxymorphone, O-00155
Oxymycin, *see* A-00277
Oxynicotine, *in* N-00103
▷Oxypantocain, *see* H-00104
Oxypendyl, O-00156
▷Oxypertine, O-00157
Oxyphemedol, *in* H-00173
▷Oxyphenbutazone, O-00158
Oxyphencyclimine, O-00159
▷Oxyphencyclimine hydrochloride, *in* O-00159
Oxyphenisatin, O-00160
Oxyphenisatin acetate, *in* O-00160
▷Oxyphenone, *in* O-00161
Oxyphenonium(1+), O-00161
▷Oxyphenonium bromide, *in* O-00161
Oxyphyllin, *in* T-00169
Oxyphyllin, *in* T-00169
▷Oxyprocaine, *see* H-00206
Oxyproline, *see* H-00210
Oxypropyliodone, *in* D-00363
▷8-(1-Oxypropyl)-3-(3-phenyl-2-propenyl)-3,8-diazabicyclo[3.2.1]octane, *see* A-00506
Oxyprothepin, O-00162
Oxyprothepin decanoate, *in* O-00162
Oxypurinol, *see* P-00564
Oxypyrronium(1+), O-00163
▷Oxypyrronium bromide, *in* O-00163
▷Oxyquinoline, *see* H-00211
▷Oxyquinoline benzoate, *in* H-00211
▷Oxyquinoline sulfate, USAN, *in* H-00211
▷Oxyridazine, O-00164
Oxysonium(1+), O-00165
▷Oxysonium iodide, *in* O-00165
▷Oxytetracaine, *see* H-00104
▷Oxytetracycline, O-00166
▷Oxytetracycline calcium, USAN, *in* O-00166
▷Oxytetracycline hydrochloride, *in* O-00166
▷Oxytheonyl, *see* E-00253
▷Oxythiospasmin, *in* O-00165
▷Oxytocin, O-00167
▷Oxytrimethylline, *in* C-00308

Ozagrel, O-00168
Ozagrel hydrochloride, *in* O-00168
Ozolinone, O-00169
P 4, *see* P-00507
P7, *in* L-00016
P 12, *in* O-00074
26-P, *see* C-00287
▷P 55, *in* H-00201
P 1003, *in* G-00115
▷P 1011, *in* D-00214
P 1029, *in* G-00114
▷P 113, *in* S-00023
▷P 1134, *see* P-00264
P 1306, *see* G-00076
▷P 1496, *in* D-00035
P 1560, *in* D-00035
▷P 165, *in* A-00509
P 1742, *in* F-00201
P 1779, *see* A-00157
P 1888, *see* I-00212
P 2105, *see* E-00085
▷P 2525, *see* P-00386
P 2530, *see* M-00166
P 2647, *see* B-00102
P-297, *see* I-00114
▷P 301, *in* P-00179
P 3896, *in* G-00113
P 4125, *see* I-00212
▷P 42-1, *see* A-00100
▷P 4241, *in* I-00028
P 4385*B*, *in* C-00511
P 4599, *in* D-00594
P 463, *see* A-00313
▷P 5048, *see* D-00393
▷P 5227, *in* P-00272
P-6051, *see* N-00221
▷P 638, *see* P-00557
▷P 652, *see* F-00241
▷P 7138, *see* N-00128
▷P 725, *see* P-00116
▷P 841, *in* E-00218
P 15148, *in* E-00116
P 15149, *in* E-00116
P 15150, *in* E-00116
P 15153, *in* E-00116
P 201-1, *see* C-00090
▷P 710129, *see* F-00045
▷P 720549, *see* I-00216
P 762543, *in* D-00023
P 793913, *in* N-00062
▷PA 93, *see* N-00228
▷PA 95, *see* A-00039
▷PA 106, *see* A-00395
PA 114*A*, *see* O-00068
▷PA 144, *see* M-00397
PA 399, *see* D-00278
P 762494 A, *in* F-00214
PA 39504X_1, *in* A-00459
PA 39504X_3, *see* A-00459
PAA 3854, *see* C-00407
PAA 701, *see* B-00150
PA 114B_2, *see* V-00054
▷PABA, *see* A-00216
Pacetyn, *see* E-00011
▷Pachycarpine, *in* S-00110
Pachycarpine N^{16}-oxide, *in* S-00110
Pachysamine A, *in* P-00416
Pachysamine B, *in* P-00416
▷Pacinone, *see* H-00003
Pacinox, *see* C-00035
▷Pacitran, *in* M-00336
Pacrinolol, P-00001
Pacyl, *see* I-00217
Padan, *see* N-00075
▷Padeskin, *see* T-00479
Padimate O, *in* D-00405
▷Padisal, *in* T-00182
Padreatin, *see* K-00003
▷Padrin, *in* P-00430
Padutin, *see* K-00003
▷Paedo-Sed, *in* T-00433
Pafencil, *see* P-00021
Pafenolol, P-00002
Pagitane, *see* C-00641
PAHA, *see* A-00217
Paipunine, P-00003
PA 31088IV, *in* A-00459
PALA, *see* S-00108
Palafuge, *in* B-00127
▷Palapent, *in* P-00101
Palaprin, *see* A-00144
Palatrigine, P-00004
Palaudine, *in* P-00019
Palcin, *in* A-00421
Paldimycin, P-00005
Paldimycin *A*, *in* P-00005
Paldimycin *B*, *in* P-00005
Palerol, *in* T-00551
Palerosan, *in* T-00551
▷Pallisan, *see* P-00398
▷Palmestril, *in* D-00257
Palmestril, *in* D-00257
Palmidrol, P-00006
Palmoxirate sodium, *in* T-00110
Palmoxiric acid, *see* T-00110
▷Palosein, *see* O-00056
Paloxin, *see* A-00144
▷Palsamin, *in* A-00272
Paludrine, *in* C-00204
▷PAM, *in* P-00395
▷PAM 780, *see* A-00358
▷Pamaquine, P-00007
Pamatolol, P-00008
Pamatolol sulfate, *in* P-00008
Pamedone, *see* D-00509
Pamidronic acid, P-00009
▷Pamine, *in* S-00031
▷Pamisyl, *see* A-00264
Pamisyl sodium, *in* A-00264
▷PAM-MR 807-23*a*, *in* C-00603
PAMN, *in* T-00554
▷Panacain, *see* F-00241
▷Panacef, *see* C-00109
▷Panacid, *see* P-00349
▷Panacur, *see* F-00037
▷Panadol, *in* A-00298
▷Panafil, *in* P-00018
▷Panalgin, *see* E-00157
Panamidin, *see* P-00487
▷Panas, *in* C-00455
▷Panavirin, *in* A-00435
▷Panazon, *see* N-00190
▷Pancacur, *see* F-00037
Panclar, *see* D-00059
▷Pancodine, *in* O-00155
▷Pancoral, *see* P-00194
Pancreabil, *see* F-00060
Pancrealauryl test, *in* F-00180
Pancrease, *see* P-00011
Pancreatin, P-00010
Pancrelipase, P-00011
Pancreozymin, *see* C-00304
▷Pancridine, *see* D-00120
Pancuronium(2+), P-00012
▷Pancuronium bromide, *in* P-00012
▷Pandel, *in* C-00548
Pandrocine, *see* P-00072
Pandryl, *see* D-00266
▷Panevril, *see* C-00019
▷Panfuran, *see* F-00280
▷Panfuran *S*, *in* F-00280
▷Panfuran acetate, *in* F-00280

▷Panfuran ointm., *in* F-00280
Pangerin, *see* M-00162
Pangesic, *in* A-00290
▷Panhibin, *see* S-00098
▷Panidazole, P-00013
▷Panimit, *in* B-00369
▷Panimycin, *in* D-00154
Pankrotanon, *see* P-00010
▷Panobal, *see* D-00385
▷Panolid, *see* E-00172
Panomifene, P-00014
▷Panoral, *see* C-00109
▷Panparnit, *in* C-00037
Panpurol, *in* P-00291
▷Pansporin, *in* C-00140
Panteric, *see* P-00010
Panteston, *in* H-00111
▷Panthenol, P-00015
▷Pantherine, *see* A-00283
▷Panthesine, *in* L-00030
▷Panthoderm, *see* P-00015
▷Pantholin, *in* P-00016
▷Pantocid, *see* D-00179
▷Pantogam, *in* H-00088
▷Pantopaque, *see* I-00127
Pantos, *see* D-00059
Pantosept, *in* D-00179
Pantothenic acid, P-00016
Panuramine, P-00017
▷Panwarfin, *in* W-00001
Panzalone, *in* H-00205
▷Panzid, *see* C-00152
PAP, *see* M-00099
▷Papain, P-00018
Paparid, *in* B-00160
▷Papaverine, P-00019
▷Papaverine hydrochloride, *in* P-00019
Papaveroline, P-00020
▷Papaveroline tetramethyl ether, *see* P-00019
▷Papayotin, *see* P-00018
Paphencyl, P-00021
▷Paraacetaldehyde, *see* P-00023
Parabactin, *in* A-00086
Parabencil, *in* B-00127
Parabolan, *see* T-00410
Parabromdylamine, *see* B-00325
▷Paracetamol, *in* A-00298
▷Paracetamol acetylsalicylate, *see* B-00057
Paracetamol diethylaminoacetate, *see* P-00485
Paracetamol nicotinate, *in* A-00298
Paracetamol thenoate, *in* A-00298
▷Parachlorophenol, *see* C-00260
▷Paraden, *see* B-00175
▷Paradione, *see* P-00024
▷Paradryl, *in* M-00064
▷Paraespas, *in* P-00304
▷Paraflex, *see* C-00218
Paraflutizide, P-00022
▷Paraform, *in* F-00244
▷Paraformaldehyde, *in* F-00244
▷Paral, *see* P-00023
Paralactic acid, *in* H-00207
▷Paraldehyde, P-00023
▷Paramethadione, P-00024
Paramethasone, P-00025
▷Paramethasone acetate, *in* P-00025
Paramethasone disodium phosphate, *in* P-00025
▷Paramidin, *in* C-00622
▷Paramomycin *I*, *see* P-00039
▷Paramorfan, *in* D-00294
▷Paramorphan, *in* D-00294
▷Paramorphine, *see* T-00162
Paranitrosulfathiazole, *see* N-00187
Paranyline, P-00026
Paranyline hydrochloride, *in* P-00026
▷Paraoxon, P-00027
Parapenzolate(1+), P-00028
Parapenzolate bromide, *in* P-00028
Parapenzolone, *see* P-00028
▷Paraperidide, *see* A-00343
▷Paraplatin, *see* C-00061
Parapropamol, P-00029
Pararosaniline base, *see* T-00532
Pararosaniline embonate, *in* T-00532
Pararosaniline pamoate, *in* T-00532
▷Parasan, *in* B-00034
▷Parathiazine, *see* P-00597
▷Parathormone, *see* P-00030
1-34 Parathormone (human), *see* T-00091
▷Parathyrin, P-00030
▷Parathyroid hormone, *see* P-00030
Paratophan, *see* M-00295
Paraxazone, P-00031
▷Paraxin, *see* C-00195
▷Parbendazole, P-00032
Parconazole, P-00033
Parconazole hydrochloride, *in* P-00033
Pardisol, *in* E-00160
▷Paredrine, *in* A-00322
Paredrinex, *see* A-00322
Parenabol, *in* H-00108
Parenogen, *see* F-00103
▷Parenton, *in* C-00037
▷Parenzyme, *see* T-00565
▷Parenzymol, *see* T-00565
Pareptide, *in* P-00474
Pareptide sulfate, *in* P-00474
▷Parest, *in* M-00172
Parethoxycaine, P-00034
▷Parfegan, *see* O-00132
▷Parfenac, *see* B-00350
Parfren, *see* P-00266
Pargeverine, P-00035
Pargolol, P-00036
▷Pargyline, P-00037
▷Pargyline hydrochloride, *in* P-00037
▷Paridocaine, P-00038
▷Parilac, *in* E-00103
Parinase, *see* G-00077
▷Parkenova, *see* T-00578
▷Parkimbine, *in* Y-00002
Parkinsan, *in* D-00503
▷Par KS-12, *in* D-00511
▷Parlodel, *in* E-00103
▷Parmetol, *see* C-00256
▷Parnate, *in* P-00186
▷Parnetil, *see* M-00158
▷Parnitene, *in* P-00186
▷Parodel, *in* E-00103
▷Paromomycin, P-00039
▷Paromomycin II, *in* P-00039
▷Paromomycin sulfate, *in* P-00039
Parovan, *in* T-00559
Paroxetine, P-00040
▷Paroxypropione, *see* H-00193
▷Paroxypropiophenone, *see* H-00193
▷Parpanit, *in* C-00037
▷Parsal, *see* P-00041
▷Parsalmide, P-00041
Partricin *A*, P-00042
Partricin B, *in* P-00042
Partricin C, *in* P-00042
▷Partusisten, *see* F-00064
▷Partyn, *in* B-00082
Parvaquone, *see* C-00613
▷PAS, *see* A-00264
▷Pasaden, *in* H-00084
▷Pasalin, *see* D-00262
▷Pascain, *in* H-00206
Pasiniazid, *in* A-00264
▷Pasipam, *see* H-00003
▷Pasiron *T*, *in* D-00033

PASIT, *see* G-00078
▷Pasmonul, *in* O-00147
▷Paspalin P1, *see* C-00664
▷Passiflorin, *see* B-00165
PAT, *see* A-00313
Pathilon, *in* T-00454
▷Pathocidin, *see* A-00247
▷Patricin, *in* O-00068
▷Patrovina, *see* A-00072
▷Patulin, P-00043
Paulomycin *A*, P-00044
Paulomycinone *A*, *in* P-00044
▷Pavabid, *in* P-00019
Paveral, *in* C-00525
▷Paveril, *see* D-00463
Paverin "Bracco", *in* M-00461
▷Paveroid, *in* E-00150
Paverone, *in* D-00463
▷Pavulon, *in* P-00012
Paxamate, P-00045
▷Paxipam, *see* H-00003
Paxistil, *in* H-00222
▷Payzone, *see* N-00190
▷Pazelliptine, P-00046
Pazoxide, P-00047
▷PB 89, *in* F-00240
▷P 4657B, *see* T-00213
▷PB 806, *see* B-00060
▷P.B. Dressing, *see* P-00293
PC, *see* F-00008
PC-1, *in* C-00013
PC 1238, *in* E-00047
▷PC 1421, *see* P-00282
▷PC 603, *see* I-00158
PC 904, *in* A-00421
▷PCP, *see* P-00183
p-CT, *see* T-00333
▷PD-93, *see* P-00349
PD 105587, *see* D-00302
PD 107779, *see* E-00060
PD 108067, *see* M-00239
PD 110161, *see* F-00260
PD 111815, *see* P-00350
PD 113270, *in* F-00260
PD 113271, *in* F-00260
PD 117818, *see* R-00004
PD 109762-2, *in* I-00063
PD 90695-73, *in* D-00115
▷PD-ADI, *see* P-00105
▷PDB, *in* P-00430
PDLA, *see* F-00254
PDMEA, *see* D-00059
PEA, *see* P-00006
▷Pebarol, *in* P-00514
▷Pecazine, P-00048
▷Pecilocin, *see* V-00012
Pecocycline, P-00049
Pectex, *in* A-00126
Pectipront, *see* A-00188
Pectipront, *in* B-00061
Pectoris, *see* C-00030
▷Pediaflor, *in* S-00087
▷Pedix 50, *see* B-00413
▷Pedrolon, *in* A-00322
Peflacine DC1, *in* N-00214
Pefloxacin, *in* N-00214
Pefloxacin mesylate, *in* N-00214
Peganine, P-00050
▷Peganone, *see* E-00214
Peimine, *see* V-00024
Peiminine, *in* V-00024
Peiminoside, *in* V-00024
Peimunine, P-00051
Pelanserin, P-00052
Pelanserin hydrochloride, *in* P-00052
Pelentanic acid, *see* B-00219
▷Peliomycin, P-00053
▷Pellegal, *see* T-00479
▷Pellidole, *see* D-00117
Pelretin, P-00054
Pelrinone, P-00055
Pelrinone hydrochloride, USAN, *in* P-00055
Pelvirinic acid, *see* D-00363
Pemedolac, P-00056
Pemerid, P-00057
Pemerid nitrate, *in* P-00057
▷Pemoline, *see* A-00306
Pemophyllin, *in* T-00169
▷Pempidine, *see* P-00085
Penamecillin, P-00058
Penberol, *in* B-00312
Penbutolol, P-00059
▷Penbutolol sulfate, *in* P-00059
Penciclovir, *see* H-00138
▷Pencina, *in* C-00074
Pendecamaine, P-00060
▷Pendiomid, *in* A-00499
Penethamate, P-00061
Penethamate hydriodide, *in* P-00061
▷Peneton, *see* H-00094
Penetracyne, *see* P-00068
▷Penetrase, *see* H-00092
▷Penfenate, *in* D-00204
Penfluoridol decanoate, *in* P-00062
▷Penfluridol, P-00062
Penflutizide, P-00063
Penfluzide, *see* P-00063
▷Pengitoxin, *in* T-00474
▷Penicidin, *see* P-00043
▷Penicidin, *see* P-00043
Penicillamine, P-00064
Penicillanic acid, P-00065
Penicillanic acid sulfone, *in* P-00065
▷Penicillin *AT*, *see* A-00137
▷Penicillin *G*, *see* B-00126
▷Penicillin H_v, *see* M-00042
▷Penicillin *N*, P-00066
▷Penicillin *O*, *see* A-00137
▷Penicillin II, *see* B-00126
6-*epi*-Penicillin V, *in* P-00171
Penicillin V benzathine, *in* P-00171
Penicillin V hydrabamine, *in* P-00171
▷Penicillin V potassium, *in* P-00171
Penicillinase, P-00067
▷Penicillin *G* benzathine, *in* B-00126
▷Penicillin V, *see* P-00171
▷Penicin, *see* A-00295
▷Penidryl, *in* B-00126
Penimepicycline, P-00068
Penimocycline, P-00069
Penirolol, P-00070
Penlysinum, P-00071
Penmesterol, P-00072
Penmestrol, *see* P-00072
Penoctonium(1+), P-00073
▷Penoctonium bromide, *in* P-00073
▷Penotrane, *see* H-00094
Penplus, *see* F-00139
Penprostene, P-00074
▷Pensanate, *in* P-00291
Penspek, *see* P-00148
▷Pentaacetylgitoxin, *in* T-00474
2,3,4,5,6-Pentaacetyl-D-gluconamide, *in* G-00055
2,3,4,5,6-Penta-*O*-acetyl-D-gluconononitrile, *in* G-00055
Pentaaqua[D-gluconato(4−)-O^2,O^4,O^5]tetra-μ-hydroxydihydroxytriferrate(3−) calcium sodium (2:1:4), *see* F-00089
Pentabamate, *in* M-00279
2,3,4,5,6-Penta-*O*-benzoyl-D-gluconamide, *in* G-00055
2,3,4,5,6-Penta-*O*-benzoyl-D-gluconononitrile, *in* G-00055
▷Pentabil, *see* P-00194
Pentacaine, *see* T-00400

▷3,3′,5,5′,6-Pentachloro-2,2′-dihydroxybenzanilide, *see* O-00149
▷3,3′,5,5′,6-Pentachloro-2′-hydroxysalicyclanilide, *see* O-00149
Pentacosactide, *see* P-00075
Pentacosactride, P-00075
Pentacynium(2+), P-00076
Pentacynium chloride, *in* P-00076
Pentacynium methyl sulfate, *in* P-00076
▷Pentadoll, *in* C-00502
▷Pentaerythritol, P-00077
▷Pentaerythritol chloral, *see* P-00132
▷Pentaerythritol dichlorohydrin, *see* B-00200
Pentaerythritol tetrakis(2-phenylbutyrate), *see* F-00046
▷Pentaerythritol tetranitrate, P-00078
Pentaerythritol trinitrate, *in* P-00077
▷Pentafen, *in* C-00037
Pentafluranol, *in* T-00089
Pentaformylgitoxin, *in* T-00474
▷Pentagastrin, P-00079
Pentagestrone, P-00080
Pentagestrone acetate, *in* P-00080
▷Pentagit, *in* T-00474
3,3′,4′,5,7-Pentahydroxyflavan, P-00081
▷3,3′,4′,5,7-Pentahydroxyflavone, P-00082
▷Pentakis(N^2-acetyl-L-glutaminato)tetrahydroxytrialuminum, *in* A-00012
▷2,2,4,4,6-Pentakis(1-aziridinyl)-2,2,4,4,6,6-hexahydro-6-(4-morpholinyl)-1,3,5-triaza-2,4,6-triphosphorine, *see* F-00262
Pentakis(cyano-*C*)nitrosylferrate(2−), P-00083
Pentalamide, *see* P-00107
▷Pentam 300, *in* P-00086
Pentamethonium (2+), P-00084
▷Pentamethonium bromide, *in* P-00084
Pentamethonium iodide, *in* P-00084
3,3′,4′,5,7-Pentamethoxyflavan, *in* P-00081
N,*N*,2,3,3-Pentamethylbicyclo[2.2.1]heptan-2-amine, *see* D-00375
1,1-Pentamethylenebis-1-methylpyrrolidinium, *see* P-00102
Pentamethylenebistrimethylammonium, *see* P-00084
▷4,4′-(Pentamethylenedioxy)dibenzamidine, *see* P-00086
3,3-Pentamethylene-4-hydroxybutyric acid, *see* H-00158
N,*N*,2,3,3-Pentamethyl-2-norbornanamine, *see* D-00375
▷1,2,2,6,6-Pentamethylpiperidine, P-00085
N,*N*,3,5,6-Pentamethyl-2-pyrazinamine, *see* D-00423
▷Pentamidine, P-00086
▷Pentamidine isethionate, *in* P-00086
▷Pentamin, *in* A-00499
▷Pentamon, *in* A-00499
Pentamorphone, P-00087
Pentamoxane, P-00088
Pentamustine, P-00089
▷Pentamyl, *see* A-00296
▷Pentanedial, P-00090
1,1′-(1,5-Pentanediyl)bis-1-methylpyrrolidinium, *see* P-00102
▷4,4′-[1,5-Pentanediylbis(oxy)]bisbenzenecarboximidamide, *see* P-00086
3-Pentanone diethyl mercaptal, *see* B-00213
▷Pentaphen, *in* C-00037
Pentaphonate, *in* D-00568
Pentapiperide, P-00091
Pentapiperide fumarate, *in* P-00091
Pentapiperium methylsulfate, *in* P-00091
Pentapyrrolidine, *see* P-00102
Pentaquine, P-00092
Pentaran, *see* A-00038
▷Pentasa, *see* A-00266
▷Pentasalen, *see* I-00045
Pentazocine hydrochloride, *in* P-00093
▷Pentazocine, P-00093
▷Pentazocine lactate, *in* P-00093
Pentcillin, *see* P-00283
▷"Pentenamide", *in* D-00251
Pentethylcyclanone, *see* C-00628
▷Pentetic acid, P-00094
▷Pentetrazol, *see* T-00133
▷Pentetrazole, *see* T-00133
▷Pentfenil, *see* P-00194
Penthienate, P-00095
▷Penthiobarbital, *see* T-00206
▷Penthonium, *in* P-00084
▷Penthrane, *see* D-00183
Penthrichloral, P-00096
▷Penthrit, *see* P-00078
Pentiapine, P-00097
Pentiapine maleate, *in* P-00097
Penticainide, P-00098
▷Penticort, *see* A-00177
Pentifylline, *in* T-00166
▷Pentisomicin, P-00099
Pentisomide, *see* P-00098
Pentizidone, P-00100
Pentizidone sodium, *in* P-00100
▷Pentobarbital, *see* P-00101
▷Pentobarbitone, P-00101
▷Pentobarbitone sodium, *in* P-00101
▷Pentoil, *see* E-00040
Pentolinium, *see* P-00102
▷Pentolinium tartrate, *in* P-00102
Pentolium(2+), P-00102
Pentolon, *see* P-00102
Pentolonium, *see* P-00102
▷Pentolonium tartrate, *in* P-00102
Pentomone, P-00103
▷Pentona, *in* M-00028
Pentopril, P-00104
▷Pentorex, *see* M-00288
▷Pentostatin, P-00105
▷Pentothal, *see* T-00206
▷Pentothal sodium, *in* T-00206
▷Pentovis, *in* O-00030
▷Pentoxifylline, *see* O-00142
Pentoxyverine, *see* C-00046
▷Pentrane, *see* D-00183
Pentrinitrol, *in* P-00077
▷Pentrium, *in* C-00200
2-(Pentylamino)acetamide, P-00106
▷2-(Pentylamino)ethanol 4-aminobenzoate, *see* N-00008
6-Pentyl-*m*-cresol, *see* M-00280
▷Pentylenetetrazole, *see* T-00133
Pentylhydroflumethiazide, *see* P-00063
2-(Pentyloxy)benzamide, P-00107
[3-(Pentyloxy)phenyl]carbamic acid 2-(1-pyrrolidinyl)cyclohexyl ester, *see* T-00400
2-Pentyl-6-phenyl-1*H*-pyrazolo[1,2-*a*]cinnoline-1,3(2*H*)-dione, *see* C-00383
O-Pentylsalicylamide, *see* P-00107
▷Pentymal, *see* A-00352
▷Pen-Vee, *see* P-00171
▷Pepcid, *see* F-00013
▷Pepdul, *see* F-00013
▷Pepleocine, *see* P-00108
▷Pepleomycin, P-00108
▷Peplocin, *see* P-00108
▷Peplomycin, *see* P-00108
Peplomycin sulfate, JAN, *in* P-00108
Pepsacid, *in* B-00140
Pepsidin *A*, *in* P-00109
Pepsidin *B*, *in* P-00109
Pepsidin *C*, *in* P-00109
Pepsin inhibitor *Streptomyces naniwaensis*, *in* P-00109
▷Pepsin inhibitor S 735A, *in* P-00109
Pepsin inhibitor S 735M, *in* P-00109
Pepsinostreptin, *in* P-00109
Pepsinostreptin *P*, *in* P-00109
Pepsitensin, *in* A-00385
▷Pepstatin, *in* P-00109
Pepstatin *AC*, *in* P-00109
Pepstatin *B*, *in* P-00109
Pepstatin *BU*, *in* P-00109

Pepstatin *C*, *in* P-00109
Pepstatin *D*, *in* P-00109
Pepstatin *E*, *in* P-00109
Pepstatin *F*, *in* P-00109
Pepstatin *G*, *in* P-00109
Pepstatin *H*, *in* P-00109
Pepstatin *I*, *in* P-00109
Pepstatin *J*, *in* P-00109
Pepstatin *PR*, *in* P-00109
▷Pepstatin *A*, 9CI, *in* P-00109
Pepstatins, P-00109
Peptard, *in* T-00554
▷Peptavlon, *see* P-00079
Peptilate, *in* A-00123
Peracillin, *see* P-00283
Peraclopone, P-00110
Peradoxime, P-00111
Perafensine, *see* P-00196
Peraktivin, *see* D-00191
Peralopride, P-00112
Perandren *M*, *in* H-00111
Perandrone *A*, *in* H-00111
Peraquinsin, P-00113
Perastine, P-00114
Peratizole, P-00115
Peratizole maleate, *in* P-00115
Perazil, *in* C-00198
▷Perazine, P-00116
Perbufylline, P-00117
▷Percapyl, *see* C-00209
▷Perchloroethane, *see* H-00040
▷Perchloroethylene, *see* T-00106
▷Perclene, *see* T-00106
▷Perclusone, *in* C-00455
▷Perclustop, *in* C-00455
▷Perconval, *in* T-00478
Percorten *M*, *in* H-00203
▷Perdilatal, *in* B-00367
Perdolat, *see* T-00273
Perebron, *in* O-00130
Peremin, *in* H-00077
Perfloxacin, *in* N-00214
Perfluamine, *see* H-00025
▷Perflunafene, *see* O-00008
▷Perfluorodecalin, *see* O-00008
Perfluorotripropylamine, *see* H-00025
Perfomedil, P-00118
Perfusamine, *see* I-00110
Pergagel, *in* V-00047
Pergalen, *in* V-00047
Pergolide, P-00119
▷Pergolide mesylate, *in* P-00119
Perhexiline, P-00120
▷Perhexiline maleate, *in* P-00120
▷Perhydrol, *see* H-00100
▷Periactin, *in* C-00648
▷Periblastine, *in* V-00032
Pericel, *in* D-00326
▷Perichloral, *see* P-00132
▷Periciazine, *see* P-00121
▷Pericicline, *see* D-00064
▷Pericristine, *see* V-00037
▷Pericyazine, P-00121
▷Peridil, *in* A-00504
Perifadil, *in* S-00214
▷Perifunal, *see* P-00369
▷Perimetazine, P-00122
Perin, *in* P-00285
Perindopril, *in* P-00123
Perindoprilat, P-00123
▷Periodoethylene, *see* T-00141
Perisalol, *see* N-00102
Perisoxal, P-00124
▷Perisoxal citrate, JAN, *in* P-00124
▷Peristil, *in* M-00436
Peristin, *see* C-00107
Peritetrate, P-00125
Perithiadene, *in* P-00297
▷Peritonan, *see* C-00256
▷Peritrate, *see* P-00078
Perium, *in* P-00091
▷Perizin, *see* C-00555
▷Perklone, *see* T-00106
▷Perlapine, P-00126
Perlatos, *see* D-00397
▷Perlepsin, *see* M-00453
▷Perlutex, *in* H-00175
Permanganic acid, P-00127
▷Permease, *see* H-00092
Permethol, *in* D-00332
▷Permethrin, P-00128
Permin, *see* D-00190
Permiran, *in* Q-00026
▷Permonid, *see* D-00100
Pernazene, *see* T-00580
▷Perneuron, *see* M-00067
▷Pernocton, *in* B-00290
▷Pernoston, *see* B-00290
▷Pernovin, *in* P-00156
Perocan, *see* I-00177
▷Perol, *see* C-00256
Perolysen, *in* P-00085
Peromide, *see* O-00117
Peronine myristate, *see* M-00477
▷Peroxan, *see* H-00100
▷Peroxinorm, *see* M-00067
▷Perphenazine, P-00129
▷Perphenazine acetate, *in* P-00129
▷Perphenazine trimethoxybenzoate, *in* P-00129
▷Persadox, *see* D-00161
▷Persantin, *see* D-00530
Persclerol, *see* C-00467
▷Persedon, *see* D-00255
Persilic acid, *see* D-00312
▷Persisten, *see* D-00226
Persulon, *see* F-00193
Pertechnetic acid, P-00130
▷Pertofran, *in* D-00095
▷Pertoxil, *in* C-00438
▷Pervetral, *in* O-00156
▷Perycit, *see* N-00090
▷Perysit, *see* N-00090
Pesar, *in* V-00047
▷Petameth, *in* M-00183
▷Pethidine, P-00131
▷Petimid, *see* M-00294
▷Petinutin, *see* D-00447
▷PETN, *see* P-00078
▷Petrichloral, P-00132
Petrin, *in* P-00077
▷Petrohol, *see* P-00491
Pexantel, P-00133
▷Pexid, *in* P-00120
PF-26, *see* M-00103
PFA 186, *in* H-00112
▷PFD, *see* B-00069
▷Pfiklor, *see* P-00391
PFP, *see* P-00499
PG 430, *see* F-00024
PG 501, *see* M-00028
▷PGA_2, *in* H-00187
(5*E*)-PGA_2, *in* H-00187
15-*epi*-PGA_2, *in* H-00187
▷PGD_2, *in* D-00338
▷(−)-PGE_1, *in* D-00341
(±)-*diepi*-PGE_1, *in* D-00341
▷PGE_2, *in* D-00339
▷(5*E*)-PGE_2, *in* D-00339
(−)-8-*epi*-PGE_1, *in* D-00341
(±)-8-*iso*-PGE_2, *in* D-00339
(±)-11-*epi*-PGE_1, *in* D-00341
11-*epi*-PGE_2, *in* D-00339

(±)-15-*epi*-PGE$_1$, *in* D-00341
(±)-15-*epi*-PGE$_2$, *in* D-00339
(±)-8,15-*diepi*-PGE$_1$, *in* D-00341
▷PGF$_{1\alpha}$, *in* T-00484
PGF$_{1\beta}$, *in* T-00484
▷PGF$_{2\alpha}$, *in* T-00483
▷PGF$_{2\beta}$, *in* T-00483
(5*E*)-PGF$_{2\alpha}$, *in* T-00483
▷9-*epi*-PGF$_{2\alpha}$, *in* T-00483
11-*epi*-PGF$_{2\alpha}$, *in* T-00483
(±)-15-*epi*-PGF$_{2\alpha}$, *in* T-00483
PGG$_2$, *in* E-00076
PGH$_1$, *in* E-00078
PGH$_2$, *in* E-00077
PGI$_2$, *see* P-00528
PGI$_2$, *in* P-00528
PGI$_2$-S, *in* E-00087
PGR$_2$, *in* E-00077
PGX, *see* P-00528
PGX, *in* P-00528
Ph 137, *see* C-00573
Ph 1503, *in* H-00039
Ph 1882, *in* T-00103
PH 218, *see* E-00014
Ph 3753, *see* B-00268
Phacetoperane, *in* P-00197
Phaclofen, P-00134
▷Phaeanthine, *in* T-00152
Phaeanthine 2′α-N-oxide, *in* T-00152
▷Phagopedin sigma, *see* F-00273
Phalomesin, *see* C-00154
▷Phanodorm, *see* C-00596
▷Phanquinone, *see* P-00144
▷Phanquone, *see* P-00144
Phanurane, *see* C-00027
▷Pharlon, *in* H-00202
▷Pharmäthyl, *see* D-00202
Pharmestrin, *in* B-00220
▷Pharmocaine, *in* A-00216
Pharmorubicin, *in* A-00080
▷Pharorid, *in* M-00189
Phaseomannitol, *see* I-00074
PHB, *in* A-00216
PH CH 44A, *see* H-00086
Ph DZ 59 B, *see* I-00150
Phebutazine, *see* F-00024
Phelypressin, *see* F-00029
▷Phemamide, *see* F-00033
▷Phemerol chloride, *in* B-00079
▷Phenacaine, P-00135
▷Phenacaine hydrochloride, *in* P-00135
Phenaceda, *in* M-00182
▷Phenacemide, *see* P-00176
▷Phenacetin, *in* E-00161
Phenacizol, P-00136
▷Phenacon, *see* F-00031
Phenacridane, *see* H-00074
▷Phenacridane chloride, *in* H-00074
Phenactropinium(1+), P-00137
Phenactropinium chloride, *in* P-00137
Phenacyl alcohol, *see* H-00107
N-Phenacylhomotropinium, *see* P-00137
Phenacyl 4-morpholineacetate, *see* M-00411
Phenacyl pivalate, *in* H-00107
Phenadoxone, P-00138
▷Phenaglycodol, P-00139
Phenaline, P-00140
Phenamazoline, P-00141
Phenamet, P-00142
Phenamidofuril, *see* F-00035
▷Phenamizol, *see* D-00134
▷Phenampromide, P-00143
Phenamylinium chloride, *in* D-00569
Phenanthridinium 1553, *in* D-00460
2-(Phenanthro[3,4-d]-1,3-dioxole-6-nitro-5-carboxamido)-propanoic acid, *in* M-00252
▷4,7-Phenanthroline-5,6-dione, P-00144
▷Phenantoin, *see* D-00493
Phenaphthazine, P-00145
Phenarsone sulfoxylate, P-00146
▷Phenasal, *see* N-00093
▷Phenasol, *see* U-00002
▷Phenaxazan, *see* F-00044
Phenazacillin, *see* H-00035
Phenazidinium, *see* F-00019
▷Phenazocine, P-00147
▷Phenazoline, *see* A-00400
▷Phenazone, *see* D-00284
▷Phenazopyridine, *see* D-00133
▷Phenazopyridine hydrochloride, *in* D-00133
Phenbenicillin, P-00148
▷Phenbenzamine, *see* A-00402
Phenbutazone sodium glycerate, *in* P-00180
▷Phenbutrazate, P-00149
▷Phencarbamide, P-00150
Phencarol, *see* Q-00006
▷Phencyclidine, *see* P-00183
▷Phencyclidine hydrochloride, *in* P-00183
▷Phendimetrazine, *in* M-00290
Phendimetrazine tartrate, *in* M-00290
Phenecyclamine, *see* F-00025
▷Phenelzine, *see* P-00189
▷Phenelzine sulfate, *in* P-00189
▷Phenemal, *see* E-00218
2,2‴,2⁗⁗-(*v*-Phenenyltrioxy)tristriethylamine, *see* G-00004
▷Phenergan, *in* M-00221
▷Phenergan, *in* P-00478
Pheneridine, P-00151
Phenestrol, *in* B-00220
Phenetamine, *see* F-00025
▷Phenethazinum, *see* D-00412
Phenethicillin, P-00152
▷Phenethyl alcohol, *see* P-00187
▷*N*-Phenethylanthranilic acid, *see* E-00054
▷1-Phenethylbiguanide, *see* P-00154
Phenethyl(4-phenylthiazol-2-yl)amine, *see* P-00195
▷*N*-(1-Phenethyl-4-piperidyl)propionanilide, *see* F-00077
1-Phenethyl-4-(2-propynyl)-4-piperidinol propionate, *see* P-00503
Pheneticillin, *see* P-00152
▷*p*-Phenetidine, *see* E-00161
2-*p*-Phenetidino-*N*-propylpropionamide, *see* P-00499
Phenetin, *in* B-00399
Phenetsal, *in* H-00112
▷Pheneturide, P-00153
▷Phenformin, P-00154
▷Phenglutarimide, P-00155
Phenhydropyxylate, *see* F-00027
Phenibut, *in* A-00303
▷Phenicarbazide, *see* P-00207
▷Phenicin, *in* M-00289
PHENIDA, *see* A-00437
Phenigam, *in* A-00303
Phenindamine, P-00156
▷Phenindione, *see* P-00192
▷Pheniodol, *see* I-00100
Pheniodol sodium, *in* I-00100
▷Pheniprazine, *see* M-00289
▷Pheniramine, P-00157
▷Phenisatin, *in* O-00160
Phenisonone, P-00158
Phenithionate, P-00159
▷Phenitol, *see* N-00169
▷Phenitrothion, *see* F-00057
▷Phenizin, *in* M-00289
Phenmetrazine, *in* M-00290
▷Phenmetrazine hydrochloride, *in* M-00290
▷Phenmetrazine teoclate, *in* M-00290
Phennin, *in* A-00026
▷Phenobamate, *see* F-00022
▷Phenobarbital, *see* E-00218

▷Phenobarbital sodium, *in* E-00218
▷Phenobarbitone, *see* E-00218
▷Phenobarbitural, *see* E-00218
▷Phenobenzorphan, *see* P-00147
▷Phenobutiodil, P-00160
Phenochlorium, *in* D-00179
Phenoctide, *in* O-00015
Phenoctidium, *see* O-00015
▷Phenoctyl, *in* P-00504
Phenocyclin, *see* D-00570
Phenododecinium, *see* D-00567
▷Phenoharman, *see* B-00130
▷Phenol, P-00161
Phenolactine, *in* H-00207
▷Phenolate sodium, USAN, *in* P-00161
Phenolisatin, *see* O-00160
▷Phenolphthalein, P-00162
▷Phenolsulfonphthalein, P-00163
Phenomidon, *in* E-00218
▷Phenomitur, *in* E-00218
▷Phenomorphan, P-00164
Phenoperidine, P-00165
Phenoperidone, P-00166
Phenopicolinic acid, *see* H-00117
Phenoro, *see* C-00088
Phenosol, *in* H-00112
▷Phenothiazine, P-00167
10*H*-Phenothiazine-2-acetic acid, P-00168
Phenothiazine-10-carboxylic acid 2-[2-(dimethylamino)-ethoxy]-ethyl ester, *see* D-00397
10*H*-Phenothiazine-10-carboxylic acid 2-[2-(dimethylamino)-ethoxy]ethyl ester, *see* D-00397
Phenothrin, P-00169
▷Phenoxadrine, *see* P-00210
Phenoxalid, *see* A-00046
▷Phenoxan, *see* F-00044
Phenoxazoline, *see* F-00066
▷Phenoxene, *in* C-00294
Phenoxethamine, *see* C-00452
▷Phenoxine, *in* C-00294
[1-[[(Phenoxyacetyl)amino]carbonyl]-1*H*-benzimidazol-2-yl]-carbamic acid methyl ester, *see* P-00136
▷Phenoxybenzamine, P-00170
▷Phenoxybenzamine hydrochloride, *in* P-00170
3-Phenoxybenzyl chrysanthemate, *see* P-00169
▷3-Phenoxybenzyl 3-(2,2-dichlorovinyl)-2,2-dimethylcyclopropanecarboxylate, *see* P-00128
α-Phenoxybenzylpenicillin, *see* P-00148
6-(α-Phenoxybutyramido)penicillanic acid, *see* P-00501
α-Phenoxycarbonylbenzylpenicillin, *see* C-00074
1-(Phenoxyethyl)penicillin, *see* P-00152
1-[1-(2-Phenoxyethyl)-4-piperidyl]-2-benzimidazolinone, *see* O-00117
m-Phenoxyhydratropic acid, *see* P-00172
α-Phenoxyisopropylpenicillin, *see* I-00200
▷Phenoxymethylpenicillin, P-00171
5,6-*trans*-Phenoxymethylpenicillinic acid, *in* P-00171
▷4-[3-[4-(Phenoxymethyl)phenyl]propyl]morpholine, *see* F-00241
6-(α-Phenoxy-α-phenylacetamido)penicillanic acid, *see* P-00148
▷(3-Phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate, *see* P-00128
(3-Phenoxyphenyl)methyl 2,2-dimethyl-3-(2-methyl-1-propenyl)-cyclopropanecarboxylate, *see* P-00169
2-(3-Phenoxyphenyl)propanoic acid, P-00172
2-Phenoxypropane, *in* P-00161
Phenoxypropazine, *see* M-00282
▷Phenoxypropazine maleate, *in* M-00282
6-(α-Phenoxypropionamido)penicillanic acid, *see* P-00152
(3-Phenoxypropyl)guanidine, P-00173
1-(Phenoxypropyl)penicillin, *see* P-00501
▷4-[3-[α-Phenoxy-*p*-tolyl)propyl]morpholine, *see* F-00241
1-Phenoxy-3-[[2-[(1,3,5-trimethyl-1*H*-pyrazol-4-yl)amino]-ethyl]amino]-2-propanol, *see* D-00005
▷Phenpentanediol, *see* C-00270
▷Phenpentermine, *see* M-00288
Phenpiperazole, *see* Z-00030
▷Phenprobamate, *in* P-00201
Phenprocoumon, P-00174
▷Phenpromethamine, *in* P-00203
Phenquizone, *see* F-00075
▷Phensuximide, *see* M-00294
▷Phentanyl, *see* F-00077
Phentermine, *see* P-00193
▷Phentermine hydrochloride, *in* P-00193
▷Phenthoxate, *in* A-00025
▷Phentichlorum, *see* T-00194
▷Phentolamine, P-00175
▷Phentolamine mesylate, *in* P-00175
▷Phentoloxamine, *see* P-00210
Phentonium, *see* F-00081
▷Phenurone, *see* P-00176
Phenybut, *in* A-00303
Phenygam, *in* A-00303
▷Phenygenine, *see* P-00207
▷6-(Phenylacetamido)penicillanic acid, *see* B-00126
▷Phenyl acetate, *in* P-00161
7β-Phenylacetylaminocephalosporin, *see* C-00111
▷Phenylacetylpenin, *see* B-00126
▷(Phenylacetyl)urea, P-00176
11-L-Phenylalaninegramicidin *A*, *in* G-00084
Phenylalanine Lost, *see* M-00084
2-L-Phenylalanine-8-L-lysinevasopressin, *see* F-00029
Phenylalanine-Mustard, *see* M-00084
Phenyl aminosalicylate, *in* A-00264
▷*N*-(Phenyl-*p*-arsinic acid)glycineamide, *see* C-00041
8-Phenyl-7-azabicyclo[4.2.0]octa-1,3,5,7-tetraene, *see* P-00177
▷3-Phenylazo-2,6-pyridinediamine, *see* D-00133
2-Phenylbenzazete, P-00177
▷α-Phenylbenzeneacetic acid, *see* D-00488
▷α-Phenylbenzeneacetic acid 1-ethyl-3-piperidinyl ester, *see* P-00290
α-Phenylbenzeneacetic acid 1-methyl-1-(1-methyl-2-piperidinyl)-ethyl ester, *see* P-00271
▷α-Phenylbenzeneethanamine, *see* D-00492
2-Phenyl-1,2-benzisoselenazol-3(2*H*)-one, P-00178
▷Phenyl benzoate, *in* P-00161
2-(3-Phenyl-7-benzofuranyl)propionic acid, *see* M-00286
2-(2-Phenyl-6-benzothiazolyl)propanoic acid, *see* M-00287
8-(*p*-Phenylbenzyl)atropinium, *see* X-00011
2-Phenyl-1,2-butanediol, P-00179
▷Phenylbutazone, P-00180
Phenylbutazone trimethylgallate, *in* P-00180
▷Phenyl butyl carbinol, *see* P-00194
▷2-Phenylbutyric acid 2-(3-methyl-2-phenylmorpholino)ethyl ester, *see* P-00149
2-Phenylbutyric acid 1,4-piperazinediyldiethylene ester, *see* F-00024
N-(α-Phenylbutyryl)methionine, P-00181
▷2-(Phenylbutyryl)urea, *see* P-00153
Phenylcarbamic acid hydroxyphenyl ester, *in* P-00161
▷2-Phenylcinchoninic acid, *see* P-00206
▷α-Phenyl-*p*-cresol, *see* B-00127
1-Phenylcyclohexanamine, *see* P-00182
α-Phenylcyclohexaneglycolic acid, *see* C-00614
α-Phenylcyclohexaneglycolic acid (1,4,5,6-tetrahydro-1-methyl-2-pyrimidinyl)methyl ester, *see* O-00159
1-Phenylcyclohexylamine, P-00182
▷1-(1-Phenylcyclohexyl)piperidine, P-00183
▷1-(1-Phenylcyclohexyl)pyrrolidine, P-00184
2-Phenylcyclopentanamine, *see* P-00185
1-Phenylcyclopentanecarboxylic acid 2-(2-diethylaminoethoxy)-ethyl ester, *see* C-00046
▷1-Phenylcyclopentanecarboxylic acid 2-(diethylamino)ethyl ester, *see* C-00037
▷1-Phenylcyclopentanecarboxylic acid 2-[2-(dimethylamino)-ethoxy]ethyl ester, *see* M-00385
2-Phenylcyclopentylamine, P-00185
2-Phenylcyclopropylamine, P-00186
▷Phenyldimazone, *see* D-00407

Phenyl(2,4-dimethoxyphenyl)methylcarbinol, *see* F-00060
1-Phenyl-2-(α,α-dimethylethanolamine)ethanol, *see* F-00084
1,4-Phenylenebiscarbamodithioic acid bis[1-(1-methyl-1*H*-benzimidazol-2-yl)ethyl] ester, *see* B-00193
▷1,2-Phenylenebis(iminocarbonothioyl)biscarbamic acid diethyl ester, *see* T-00207
N,*N*′-(*o*-Phenylene)bis[(isobutylamino)acetamide], *see* D-00122
N,*N*′-[1,4-Phenylenebis(methylene)]bis[2,2-dichloro-*N*-(2-ethoxyethyl)acetamide], *see* T-00048
4,4′-[1,4-Phenylenebis(methylidynenitrilo)]bis[3-isoxazolidinone], *see* T-00092
N,*N*′-1,2-Phenylenebis[2-[(2-methylpropyl)amino]acetamide, *see* D-00122
▷4,4′-*o*-Phenylenebis(3-thioallophanic acid) diethyl ester, *see* T-00207
▷Phenylene-1,4-diisothiocyanate, *see* D-00369
N,*N*′-(*p*-Phenylenedimethylene)bis[2,2-dichloro-*N*-(2-ethoxyethyl)acetamide], *see* T-00048
N^4,N^4-(*p*-Phenylenedimethylidyne)bis[N^1-(4,6-dimethyl-2-pyrimidinyl)sulfanilamide, *see* T-00087
▷Phenylephrine, *in* A-00272
▷Phenylephrine hydrochloride, *in* A-00272
▷2-Phenylethanol, P-00187
▷1-Phenylethanolamine, *see* A-00304
▷Phenylethyl alcohol, *see* P-00187
▷2-[(2-Phenylethyl)amino]benzoic acid, *see* E-00054
4-[2-[[6-[(Phenylethyl)amino]hexyl]amino]ethyl]-1,2-benzenediol, *see* D-00581
▷3-(1-Phenylethylamino)propylaminobleomycin, *see* P-00108
▷(*S*)-*N*′-[3-[(1-Phenylethyl)amino]propylbleomycinamide, *see* P-00108
N-2-Phenylethylbenzeneethanamine, *see* D-00491
1-Phenylethyl 3-[(dimethoxyphosphinyl)oxy]-2-butenoate, *see* C-00571
1-(1-Phenylethyl)-5-ethoxycarbonylimidazole, *see* E-00257
▷1-Phenylethylhydrazine, P-00188
▷(2-Phenylethyl)hydrazine, P-00189
2-(1-Phenylethyl)hydrazine carboxylic acid, *see* M-00233
1-(1-Phenylethyl)-1*H*-imidazole-5-carboxylic acid ethyl ester, *see* E-00257
▷1-(1-Phenylethyl)-1*H*-imidazole-5-carboxylic acid methyl ester, *see* M-00331
1-(1-Phenylethyl)-1*H*-imidazole-5-carboxylic acid propyl ester, *see* P-00509
▷*N*-(2-Phenylethyl)imidodicarbonimidic diamide, *see* P-00154
▷*N*-(2-Phenylethyl)morphinan-3-ol, *see* P-00164
▷*N*-(1-Phenylethyl)-9,12-octadecadienamide, *see* M-00080
▷8-(2-Phenylethyl)-1-oxa-3,8-diazaspiro[4.5]decan-2-one, *see* F-00076
α-[4-(2-Phenylethyl)phenyl]-1*H*-imidazole-1-ethanol, *see* D-00076
3-[2-(1-Phenylethyl-4-piperidinyl)ethyl]-1*H*-indole, *see* I-00067
1-(2-Phenylethyl)-4-(2-propynyl)-4-piperidinol propanoate, *see* P-00503
8-(2-Phenylethyl)-3-[(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purin-7-yl)acetyl-1-oxa-3,8-diazaspiro[4,5]-decan-2-one, *see* S-00122
N-Phenylformoguanamine, *see* A-00162
Phenylgamma, *in* A-00303
2-Phenylglycine, *see* A-00300
▷Phenylglycollyltropine, *see* H-00082
▷Phenylglyoxylonitrile oxime *O*-(*O*,*O*-diethylphosphorothioate), *see* P-00221
N-(1-Phenylheptyl)nicotinamide, *see* P-00190
N-(1-Phenylheptyl)-3-pyridinecarboxamide, P-00190
▷2-Phenylhydrazinecarboxamide, *see* P-00207
Phenyl 3-[(hydrazinocarbonyl)oxy]-8-azabicyclo[3.2.1]-octane-8-carboxylate, *see* T-00546
Phenyl 3α-hydroxy-8-azabicyclo[3.2.1]octane-8-carboxylate carbazate, *see* T-00546
3-Phenyl-1-indanamine, P-00191
▷2-Phenyl-1,3-indanedione, P-00192
▷2-Phenyl-1*H*-indene-1,3(2*H*)-dione, *see* P-00192
▷Phenylisohydantoin, *see* A-00306
α-(5-Phenyl-3-isoxazolyl)-1-piperidineethanol, *see* P-00124
▷Phenylmercuric acetate, *in* H-00191
Phenylmercuric borate, *in* H-00191
▷Phenylmercuric nitrate, *in* H-00191
▷Phenylmercury chloride, *see* C-00265
▷Phenylmercury hydroxide, *see* H-00191
▷Phenylmercury nitrate, *see* N-00169
1-[3-(Phenylmethoxy)-1-octenyl]-1*H*-imidazole, *see* M-00367
▷4-(Phenylmethoxy)phenol, *see* B-00124
N-(Phenylmethoxy)-*N*-(3-phenylpropyl)acetamide, *see* B-00125
4-[(Phenylmethyl)amino]benzenesulfonamide, *see* B-00129
▷2-(Phenylmethyl)-1*H*-benzimidazole, *see* B-00107
Phenylmethyl [bis(1-aziridinyl)phosphinyl]carbamate, *see* B-00091
▷1-[1-(Phenylmethyl)butyl]pyrrolidine, *see* P-00473
Phenyl *N*-methyl-*N*-(*o*-carbamoylphenyl)carbamate, *see* A-00389
▷1-(Phenylmethyl)-2(1*H*)-cycloheptimidazolone, *see* B-00110
1-[2-(Phenylmethylene)cyclohexyl]azetidine, *see* T-00038
Phenylmethyl 1-[2-(hexahydro-1*H*-azepin-1-yl)ethyl]-2-oxocyclohexanecarboxylate, *see* A-00188
5-(1-Phenylmethyl-1*H*-imidaz-2-yl)-1*H*-tetrazole, *in* I-00033
2-[1-[(Phenylmethyl)imino]ethyl]phenol, *see* B-00121
2-[[(Phenylmethyl)imino]methyl]phenol, *see* N-00220
▷[[1-(Phenylmethyl)-1*H*-indazol-3-yl]oxy]acetic acid, *see* B-00167
▷Phenylmethylisothiocyanate, *see* B-00122
▷4-(Phenylmethyl)phenol, *see* B-00127
4-(Phenylmethyl-1-piperidinecarboxylic acid 2-(diethylamino)-ethyl ester, *see* B-00062
3-Phenyl-2-methyl-2-propylamine, P-00193
1-(Phenylmethyl)-4-(2-pyridinylcarbonyl)piperazine, *see* P-00229
1-(Phenylmethyl)-3-[2-(4-pyridinyl)ethyl]-1*H*-indole, *see* B-00084
3-(Phenylmethyl)pyrido[3,4-*e*]-1,2,4-triazine, *see* B-00128
▷2-Phenyl-3-methyltetrahydro-1,4-oxazine, *see* M-00290
▷2-Phenyl-2-norbornanecarboxylic acid 3-(diethylamino)propyl ester, *see* B-00255
▷6-(Phenyloxyacetamido)penicillanic acid, *see* P-00171
▷1-Phenyl-1-pentanol, P-00194
4-Phenyl-1-[3-(phenylamino)propyl]-4-piperidinecarboxylic acid ethyl ester, *see* P-00260
4-Phenyl-2-[(2-phenylethyl)amino]thiazole, P-00195
▷γ-Phenyl-*N*-(1-phenylethyl)benzenepropanamine, *see* F-00044
▷*N*-Phenyl-*N*-[1-(2-phenylethyl)-4-piperidinyl)propanamide, *see* F-00077
4-Phenyl-*N*-(2-phenylethyl)-2-thiazolamine, *see* P-00195
3-Phenyl-1′-(phenylmethyl)-[3,4′-bipiperidine]-2,6-dione, *see* B-00080
N-Phenyl-*N*-(phenylmethyl)-1-pyrrolidineethanamine, *see* H-00078
3-Phenyl-1′-(3-phenyl-2-propenyl)[3,4′-bipiperidine]-2,6-dione, *see* C-00380
1-Phenyl-3-[2-[[4-(3-phenyl-2-propenyl)-1-piperazinyl]-methyl]-1*H*-benzimidazol-1-yl]-1-propanone, *see* C-00381
γ-Phenyl-[*N*-3-(phenylthio)propyl]benzenepropanamine, *see* T-00303
1-Phenyl-3-(1-piperazinyl)isoquinoline, P-00196
3-(4-Phenyl-1-piperazinyl)-1,2-propanediol, *see* D-00610
3-[3-(4-Phenyl-1-piperazinyl)propyl]-2,4(1*H*,3*H*)-quinazolinedione, *see* P-00052
α-Phenyl-2-piperidineacetic acid methyl ester, *see* R-00065
α-Phenyl-2-piperidinemethanol, P-00197
2-(4-Phenylpiperidino)cyclohexanol, *see* V-00025
2-(4-Phenyl-1-piperidinyl)cyclohexanol, *see* V-00025
N-Phenyl-*N*-[2-(1-piperidinyl)ethyl]-2-pyridinemethanamine, *see* P-00239
2-Phenyl-4-[2-(4-piperidinyl)ethyl]quinoline, *see* P-00280
5-Phenyl-5-(2-piperidinylmethyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *see* P-00407

N-[1-Phenyl-3-(1-piperidinyl)propyl]benzamide, P-00198
α-Phenyl-α-[3-(1-piperidinyl)-1-propynyl]benzenemethanol, *see* D-00508
1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone, P-00199
α-Phenyl-α-(2-piperidyl)benzyl alcohol, *see* D-00504
α-Phenyl-α-(3-piperidyl)benzyl alcohol, *see* D-00505
α-Phenyl-α-(4-piperidyl)benzyl alcohol, *see* D-00506
Phenyl-2-piperidylcarbinol, *see* P-00197
Phenyl-2-piperidylmethanol, *see* P-00197
5-Phenyl-5-(2-piperidylmethyl)barbituric acid, *see* P-00407
Phenylpiperone, *see* D-00509
2-Phenyl-1,3-propanediol, P-00200
▷3-Phenyl-1-propanol, P-00201
▷Phenylpropanolamine, *in* A-00308
▷Phenylpropanolamine hydrochloride, *in* A-00308
Phenylpropanolamine polistirex, *in* A-00308
▷1-Phenyl-2-propylamine, P-00202
▷2-Phenyl-1-propylamine, P-00203
▷Phenylpropylmethylamine, *in* P-00203
5-(3-Phenylpropyl)-2-thiophenepentanoic acid, *see* E-00092
1-Phenyl-2-propyn-1-ol, P-00204
▷6-Phenyl-2,4,7-pteridinetriamine, *see* T-00420
▷*N'*-(1-Phenylpyrazol-5-yl)sulfanilamide, *see* S-00250
α-Phenyl-α-[2-(4-pyridinyl)cyclopropyl]benzenemethanol, *see* C-00649
7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, P-00205
5-Phenylpyrimido[4,5-*d*]pyrimidine-2,4,7-triamine, *see* T-00421
▷2-Phenyl-*N*-[2-(1-pyrrolidinyl)ethyl]glycine isopentyl ester, *see* C-00021
4-Phenyl-2-[2-(1-pyrrolidinyl)ethyl]-6-(α,α,α-trifluoro-*m*-tolyl)-3(2*H*)pyridazinone, *see* R-00042
α-Phenyl-α-[3-(1-pyrrolidinyl)-1-propynyl]benzenemethanol, *see* B-00407
2-Phenyl-4-quinolinecarbonitrile, *in* P-00206
2-Phenyl-4-quinolinecarboxamide, *in* P-00206
▷2-Phenyl-4-quinolinecarboxylic acid, P-00206
▷1-Phenylsemicarbazide, P-00207
3-Phenyl-3-sulfanilylpropiophenone, *see* A-00311
▷[5-(Phenylsulfinyl)-1*H*-benzimidazol-2-yl]carbamic acid methyl ester, *see* O-00108
[2-(Phenylsulfinyl)ethyl]malonic acid mono(1,2-diphenylhydrazide), *see* O-00067
[2-(Phenylsulfinyl)ethyl]propanedioic acid mono(1,2-diphenylhydrazide), *see* O-00067
[4-[2-[(Phenylsulfonyl)amino]ethyl]phenoxy]acetic acid, *see* S-00234
▷5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, P-00208
4-Phenyl-*N*-[4-(1,4,5,6-tetrahydro-6-oxo-3-pyridazinyl)-phenyl]-1-piperidinepropanamide, *see* A-00154
6-[2-Phenyl-2-[2-[*p*-(1,4,5,6-tetrahydro-2-pyrimidinyl)-phenyl]-acetamido]acetamido]pencillanic acid, *see* R-00095
1-Phenyl-1*H*-tetrazol-5-amine, *see* A-00313
1-Phenyl-4-[2-(1*H*-tetrazol-5-yl)ethyl]piperazine, *see* Z-00030
▷5-Phenyl-2,4-thiazolediamine, *see* D-00134
(4-Phenyl-2-thiazolyl)carbamic acid 2,2,2-trichloroethyl ester, *see* L-00103
2-(Phenylthio)benzoic acid, *in* M-00114
6-Phenyl-2-thiouracil, P-00209
▷Phenyltoloxamine, P-00210
2-[(α-Phenyl-*o*-tolyl)oxy]triethylamine, *see* E-00256
N-Phenyl-1,3,5-triazine-2,4-diamine, *see* A-00162
5-Phenyl-3-[(trichloromethyl)thio]-1,3,4-oxadiazolin-2(3*H*)-one, *see* C-00510
▷1-Phenyl-1-[3-(trifluoromethyl)phenyl]-1-propanol, *see* F-00153
3-Phenyltropane-2-carboxylic acid methyl ester, *see* T-00549
▷Phenylzin, *in* Z-00018
▷Phenyracillin, *in* B-00126
▷Phenyramidol, P-00211
Phenyramidol hydrochloride, *in* P-00211
▷Phenythilone, *see* E-00219
▷Phenytoin, *see* D-00493
▷Phenytoin sodium, *in* D-00493
▷Phetharbital, *see* D-00253
▷Pheumobenzil, *in* T-00418
PHG, *in* A-00303
Phiasol, *see* C-00378
Phinifos, *in* T-00347
pHisoHex, *in* E-00069
▷Phisohex, *see* H-00039
▷Phleomycin D_2, *see* B-00246
▷Phleomycin A_2, *in* B-00243
▷Phleomycin D_1, *in* B-00246
Phleomycin F, *see* B-00245
Phleomycin PEP, *in* P-00108
Phlorin, *in* B-00076
▷Phloroglucin, *see* B-00076
▷Phloroglucinol, *see* B-00076
▷Phloropropiophenone, *see* T-00479
PHMB, *in* P-00381
PHNO, *in* N-00053
▷Pholcodine, P-00212
▷Pholedrine, *see* M-00222
▷Pholedrine sulfate, *in* M-00222
▷Phomin, *see* C-00658
▷Phopurin, *see* P-00556
Phoscolic acid, *see* F-00254
▷Phosmet, P-00213
Phosodyl, *in* T-00347
▷Phosphacol, *see* P-00027
▷Phosphemide, P-00214
2,2′-Phosphinicodilactic acid, *see* F-00254
▷1,1′,1″-Phosphinothioylidenetrisaziridine, *see* T-00211
▷Phospholine iodide, *in* E-00010
Phosphonoacetic acid, P-00215
N-(Phosphonoacetyl)aspartic acid, *see* S-00108
Phosphonobaclofen, *see* P-00134
Phosphonoformic acid, P-00216
▷Phosphonomycin, *in* M-00276
▷2-(Phosphonooxy)benzoic acid, P-00217
2-(Phosphonooxy)-4-(trifluoromethyl)benzoic acid, P-00218
O-Phosphonoserine, *see* P-00220
Phosphoric acid, P-00219
▷Phosphoric acid bis(2-chloroethyl)-3-chloro-4-methyl-2-oxo-2*H*-1-benzopyran-7-yl ester, *see* H-00021
Phosphoric acid mono[2-(dimethylamino)ethyl] ester, *see* D-00059
▷Phosphorodithioic acid *S*-[[(4-chlorophenyl)thio]methyl] *O,O*-diethyl ester, *see* C-00060
▷Phosphorothionic triethenamide, *see* T-00211
Phosphoryldimethylaminoethanol, *see* D-00059
Phosphoryldimethylcholamine, *see* D-00059
Phosphoryldimethylethanolamine, *see* D-00059
Phosphoserine, P-00220
▷Phosphotope, *in* P-00219
▷Phoxim, P-00221
▷Phrenazole, *see* T-00133
▷Phrenixol, *see* F-00198
▷Phrenolon, *in* P-00129
Phtalapromine, *see* T-00014
Phthalamaquin, *in* M-00217
▷Phthalamudine, *see* C-00302
▷Phthalazinol, *see* O-00078
▷1(2*H*)Phthalazinone (1,3-dimethyl-2-butenylidene)hydrazone, *see* B-00346
▷Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, P-00222
▷2-Phthalimidoglutarimide, P-00223
Phthalofyne, P-00224
▷Phthalophos, *see* N-00042
Phthaloyl-Trimetoprim, *see* T-00012
▷Phthalthrin, *see* T-00143
Phthalylsulfacetamide, P-00225
Phthalylsulfamethizole, P-00226
▷Phthalylsulfathiazole, P-00227
Phthiosan, *see* S-00016
Phthivazid, *see* F-00269

▷Phthoracizin, *see* F-00128
▷Phtiomycin, *see* V-00050
▷Phycitol, *see* E-00114
▷Phygon, *see* D-00195
▷Phyllocontin, *in* T-00169
▷Phyllocormin *N*, *see* E-00253
▷Phylloquinone, *see* V-00064
β-Phylloquinone, *in* V-00065
▷Phyomone, *see* N-00044
▷Physiocortison, *in* C-00548
▷Physopeptone, *in* M-00163
▷Physostigmine, *see* E-00122
Physostigmine oxide, *see* G-00016
▷Physostigmine salicylate, *in* E-00122
▷Physostigmine sulfate, *in* E-00122
▷Physostol, *see* E-00122
▷Phytic acid, *in* I-00074
▷Phytomenadione, *see* V-00064
Phytonadiol diphosphate, P-00228
Phytonadiol sodium diphosphate, *in* P-00228
▷Phytonadione, *see* V-00064
▷Piaccamide, *in* I-00199
Piazofolina, *in* M-00443
Piazolin, *in* M-00443
Pibecarb, *in* H-00107
Piberaline, P-00229
Picafibrate, P-00230
Picartamide, P-00231
▷Picenadol, P-00232
Picenadol hydrochloride, *in* P-00232
Picilorex, P-00233
Piclonidine, P-00234
Piclopastine, P-00235
Picloxydine, P-00236
Picobenzide, P-00237
Picodralazine, P-00238
Picofosforic acid, *in* B-00221
Picolamine, *see* A-00290
Picolamine salicylate, *in* A-00290
β-Picolylamine, *see* A-00290
▷Piconol, *see* P-00572
Picoperidamine, *see* P-00239
▷Picoperidamine hydrochloride, JAN, *in* P-00239
▷Picoperidamine palmitate, JAN, *in* P-00239
Picoperine, P-00239
Picoprazole, P-00240
▷Picosulfol, *in* B-00221
Picotrin, *see* T-00526
Picotrin diolamine, *in* T-00526
▷Picrotin, P-00241
▷Picrotoxin, P-00242
▷Picrotoxinin, P-00243
Picumast, P-00244
Pidolic acid, *see* O-00140
PIF, *see* P-00470
▷Pifarnine, P-00245
Pifatidine, *in* R-00097
▷Pifazin, *see* P-00245
Pifenate, P-00246
▷Pifexole, P-00247
▷Piflutixol, P-00248
▷Pifoxime, P-00249
▷Pigmex, *see* B-00124
Piketoprofen, P-00250
Pildralazine, P-00251
▷Pilocar, *in* P-00252
Pilocarpidine, *in* P-00252
Pilocarpine, P-00252
▷Pilocarpine hydrochloride, *in* P-00252
▷Pilomin, *in* Q-00024
▷Pilot 447, *see* H-00156
▷Pilzcin, *in* C-00562
Pimadin, *see* P-00260
▷Pimafucin, *see* P-00253
▷Pimafugin, *see* P-00253
▷Pimaricin, P-00253
▷Pimeclone, *see* P-00288
▷Pimefylline, P-00254
Pimelautide, P-00255
Pimetacin, P-00256
▷Pimethixene, P-00257
Pimetine, P-00258
Pimetine hydrochloride, *in* P-00258
Pimetremide, P-00259
▷Pimexone, *see* M-00102
Piminodine, P-00260
Pimobendan, P-00261
Pimonidazole, P-00262
▷Pimotid, *see* P-00263
▷Pimozide, P-00263
Pimustine, *see* N-00151
▷Pinacidil, P-00264
▷Pinacyanol, *in* E-00190
Pinacyanol chloride, *in* E-00190
Pinadoline, P-00265
Pinafide, P-00266
Pinaverium(1+), P-00267
▷Pinaverium bromide, *in* P-00267
▷Pinazepam, P-00268
Pincainide, P-00269
▷Pindolol, P-00270
▷Pingyangmycin, *see* B-00244
Pinolcaine, P-00271
Pinol hydrate, *see* H-00162
Pinoxepin, P-00272
▷Pinoxepin hydrochloride, *in* P-00272
▷Piocaine, *see* C-00277
▷Pioderm, *see* D-00117
▷Pionin, *in* C-00074
▷Pipacycline, *see* M-00096
▷Pipamazine, P-00273
▷Pipamperone, P-00274
▷Pipanol, *in* B-00081
Pipazetate, *see* P-00275
Pipazethate, P-00275
Pipcil, *see* P-00283
Pipebuzone, P-00276
Pipecurium(2+), *see* P-00277
Pipecuronium(2+), P-00277
▷Pipemidic acid, P-00278
▷Pipenzolate(1+), P-00279
▷Pipenzolate bromide, *in* P-00279
Pipequaline, P-00280
Piperacetam, P-00281
▷Piperacetazine, P-00282
Piperacillin, P-00283
▷Piperacillin sodium, *in* P-00283
▷Piperamic acid, *see* P-00278
Piperamide, P-00284
▷Piperamide maleate, *in* P-00284
Piperate, *in* P-00285
▷Piperazine, P-00285
Piperazine calcium edetate, *in* P-00285
▷Piperazine citrate, *in* P-00285
1,4-Piperazinediethanol bis(α-methyl-1-naphthaleneacetate), *see* N-00017
1,4-Piperazinediethanol bis(2-phenylbutyrate), *see* F-00024
1,1′-[1,4-Piperazinediylbis(iminocarbonyl)]bis[-(*p*-chlorophenyl)guanidine], *see* P-00236
N,*N*″-[1,4-Piperazinediylbis(3,1-propanediyliminocarbonimidoyl)]bis[*N*′-hexylurea], *see* I-00151
Piperazine estrone sulfate, *in* O-00031
▷Piperazine sulfosilate, *in* D-00313
3-(1-Piperazinyl)-9*H*-dibenzo[*c*,*f*]-1,2,4-triazolo[4,3-*a*]azepine, *see* P-00360
2-(1-Piperazinyl)quinoline, P-00286
3-Piperidinamine, *see* A-00314
2-Piperidineethanol 2-aminobenzoate, *see* P-00326
Piperidineethanol α-phenyl-1-piperidineacetate, *see* D-00517

▷Piperidinic acid, *see* A-00221
2-Piperidinoethyl benzilate, *see* P-00291
N-[α-(2-Piperidinoethyl)benzyl]benzamide, *see* P-00198
2-Piperidinoethyl α-benzyl-α-hydroxyhydrocinnamate acetate, *see* F-00068
2-Piperidinoethyl [bicyclohexyl]-1-carboxylate, *see* D-00276
▷3-Piperidino-4′-propoxypropiophenone, *see* P-00289
3-Piperidinopropyl *m*-anisate, *see* P-00427
N-[3-(α-Piperidino-*m*-tolyloxy)propyl]glycolamide, *see* R-00097
α-2-Piperidinyl-2,8-bis(trifluoromethyl)-4-quinolinemethanol, *see* M-00068
2-(1-Piperidinyl)ethyl α-(acetoxy)-α-(phenylmethyl)-benzenepropionate, *see* F-00068
2-(1-Piperidinyl)ethyl [1,1′-bicyclohexyl]-1-carboxylate, *see* D-00276
3-[2-(4-Piperidinyl)ethyl]-1*H*-indole, P-00287
N-(2-Piperidinylmethyl)-2,5-bis(2,2,2-trifluoroethoxy)-benzamide, *see* F-00114
▷2-(1-Piperidinylmethyl)cyclohexanone, P-00288
1-(1-Piperidinylmethyl)-4-propyl[1,2,4]triazolo[4,3-*a*]-quinazolin-5(4*H*)-one, *see* B-00171
3-(1-Piperidinyl)-1,2-propanediol bis(phenylcarbamate) ester, *see* D-00481
▷3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone, P-00289
3-(1-Piperidinyl)propyl 3-methoxybenzoate, *see* P-00427
▷6-(1-Piperidinyl)-2,4-pyrimidinediamine 3-oxide, *see* M-00388
▷2,2′,2″,2‴-[[(4-Piperidinyl)pyrimido[5,4-*d*]pyrimidine-2,6-diyl)-dinitrilo]tetrakis[ethanol], *see* M-00433
α-(2-Piperidinyl)-2-(trifluoromethyl)-6-[4-(trifluoromethyl)-phenyl]-4-pyridinemethanol, *see* E-00064
▷Piperidolate, P-00290
Piperidyl-Amidone, *see* D-00509
α-2-Piperidylbenzhydrol, *see* D-00504
α-3-Piperidylbenzhydrol, *see* D-00505
α-4-Piperidylbenzhydrol, *see* D-00506
2-(2-Piperidyl)ethyl anthranilate, *see* P-00326
Piperidyl-Methadone, *see* D-00509
▷1-(1-Piperidyl)-1-phenylcyclohexane, *see* P-00183
▷1-(1-Piperidyl)-1-(2-thienyl)cyclohexane, *see* T-00187
Piperilate, P-00291
Piperlongumine, *see* P-00298
Piperocaine, P-00292
▷Piperoctane, *see* G-00092
▷Piperonil, *see* P-00274
▷Piperonyl, *see* P-00274
▷Piperonyl butoxide, P-00293
▷1-Piperonyl-2-hydrazinopropane, *see* S-00003
▷β-Piperonylisopropylhydrazine, *see* S-00003
10-[(4-Piperonyl-1-piperazinyl)acetyl]phenothiazine, *see* F-00065
▷2-(4-Piperonyl-1-piperazinyl)pyrimidine, *see* P-00324
Piperophyllin, *in* T-00169
▷Piperoxan, P-00294
Piperphenamine, *in* M-00098
Piperphenidol, P-00295
Piperphenidol methyl bromide, *in* M-00098
Piperylone, P-00296
Pipethanate, *see* P-00291
Pipethanate ethobromide, *in* P-00291
Pipethiadene, P-00297
Pipethiadene tartrate, *in* P-00297
Pipida, *see* I-00160
Piplartine, P-00298
▷Pipobroman, *see* B-00195
Pipoctanone, P-00299
Pipofezine, P-00300
Piportil, *see* P-00302
Piportil L4, *in* P-00302
Piportil M2, *in* P-00302
Piportyl palmitate, *in* P-00302
Piportyl undecylenate, *in* P-00302
Piposulfan, P-00301
Pipothiazine, P-00302
Pipotiazine, *see* P-00302
Pipotiazine palmitate, *in* P-00302
Pipotiazine undecylenate, *in* P-00302
Pipoxizine, P-00303
Pipoxolan, P-00304
▷Pipoxolan hydrochloride, *in* P-00304
Pipracil, *see* P-00283
Pipradimadol, P-00305
Pipradrol, *see* D-00504
γ-Pipradrol, *see* D-00506
▷Pipral, *in* P-00279
▷Pipram, *see* P-00278
Pipramadol, P-00306
Pipratecol, P-00307
Pipril, *see* P-00283
▷Piprinhydrinate, *in* D-00514
Piprocurarium(2+), P-00308
▷Piprocurarium iodide, *in* P-00308
Piprofurol, P-00309
▷Piprozolin, P-00310
Piquindone, P-00311
Piquindone hydrochloride, *in* P-00311
Piquizil, P-00312
Piquizil hydrochloride, *in* P-00312
Pir 353, *see* I-00174
Piracetam, *in* O-00139
▷Piramilofine, *see* C-00021
Pirandamine, P-00313
Pirandamine hydropchloride, *in* P-00313
▷Piranoprofen, *see* P-00400
Pirartrin, *in* D-00315
Pirarubicin, *in* A-00080
Piraxelate, *in* O-00139
Pirazidol, *see* P-00340
Pirazmonam, P-00314
Pirazocillin, *see* P-00408
▷Pirazofurin, *in* P-00566
Pirazolac, P-00315
▷Pirbuterol, P-00316
Pirbuterol acetate, *in* P-00316
▷Pirbuterol hydrochloride, *in* P-00316
Pirdonium(1+), P-00317
Pirdonium bromide, *in* P-00317
▷Pirecin, *in* P-00545
▷Pirem, *in* C-00071
Pirenoxine, P-00318
Pirenoxine, P-00319
Pirenperone, P-00320
Pirenzepine, P-00321
▷Pirenzepine hydrochloride, JAN, *in* P-00321
Pirepolol, P-00322
▷Piretanide, P-00323
▷Pirevan, *in* Q-00037
Pirexyl, *in* B-00061
Pirfenidone, *see* M-00293
Pirfenoxone, *see* P-00318
▷Pirfenoxone sodium, *in* P-00319
Pirfloxacin, *see* I-00171
▷Piribedil, P-00324
Piridicillin, P-00325
Piridicillin sodium, *in* P-00325
Piridocaine, P-00326
▷Piridolan, *see* P-00337
Piridoxilate, *in* P-00582
Piridronate sodium, *in* P-00327
Piridronic acid, P-00327
Pirifibrate, P-00328
▷Pirimiphos-ethyl, P-00329
▷Pirimiphos-methyl, P-00330
Pirinidazole, P-00331
▷Pirinitramide, *see* P-00337
▷Pirinixic acid, P-00332
▷Pirinixil, P-00333
Piriprost, P-00334

Piriprost potassium, *in* P-00334
Piriqualone, P-00335
Pirisudanol, P-00336
▷Piritramide, P-00337
Piritrexim, P-00338
Piritrexim isethionate, *in* P-00338
▷Pirium, *see* P-00263
Pirlimycin, P-00339
Pirlimycin hydrochloride, *in* P-00339
Pirlindole, P-00340
Pirmagrel, P-00341
Pirmenol, P-00342
▷Pirmenol hydrochloride, *in* P-00342
Pirnabin, P-00343
Pirocatechol, *in* D-00315
Pirocrid, *see* P-00539
Piroctone, P-00344
Piroctone olamine, *in* P-00344
Pirogliride, P-00345
Pirogliride tartrate, *in* P-00345
▷Piroheptine, P-00346
▷Piroheptine hydrochloride, JAN, *in* P-00346
Pirolate, P-00347
Pirolazamide, P-00348
▷Piromidic acid, P-00349
Piroprost, *see* P-00334
Pirothesin, *in* A-00434
Piroxan, *see* P-00525
Piroxantrone, P-00350
▷Piroxicam cinnamate, USAN, *in* P-00351
▷Piroxicam, P-00351
Piroxicam olamine, *in* P-00351
Piroxicillin, P-00352
Piroximone, P-00353
Pirozadil, P-00354
▷Pirprofen, P-00355
Pirquinozol, P-00356
Pirralkonium(1+), P-00357
Pirralkonium bromide, *in* P-00357
▷Pirrangit, *in* O-00001
Pirroksan, *see* P-00525
Pirtenidine, P-00358
▷Pirutsusin, *in* C-00562
▷Pirzalon, *see* F-00283
Pistocain, *see* P-00380
▷Pitayine, *see* Q-00027
▷Pitixol, *see* P-00248
Pitofenone, P-00359
Pitofenone hydrochloride, *in* P-00359
Pitrazepin, P-00360
▷Pitressin, *in* V-00013
▷Pituitrope, *in* D-00257
Pituxate, P-00361
▷Pivacef, *see* P-00363
Pivadin, *in* P-00516
▷Pivalexin, *see* P-00363
▷Pivalic acid 2-benzylhydrazide, *see* P-00365
Pivalone, *in* D-00328
Pivalopril, *in* C-00633
▷Pivalylbenzhydrazine, *see* P-00365
▷Pivampicillin, P-00362
Pivampicillin hydrochloride, *in* P-00362
Pivampicillin pamoate, *in* P-00362
Pivampicillin probenate, *in* P-00362
▷Pivazide, *see* P-00365
▷Pivcephalexin, P-00363
Pivenfrine, P-00364
▷Pivhydrazine, P-00365
Pivmecillinam, P-00366
▷Pivmecillinam hydrochloride, JAN, *in* P-00366
Pivopril, *in* C-00633
Pivoxazepam, P-00367
Pivsulbactam, *in* P-00065
▷Pixifenide, *see* P-00249
Pizotifen, P-00368
Pizotyline, *see* P-00368
PJ 929, *see* C-00460
PK 5078, *see* V-00053
PK 8165, *see* P-00280
PK 10139, *see* Q-00008
PK 26124, *see* A-00339
P.L. 100, *see* T-00214
Placet, *see* A-00144
▷Placidex, *see* M-00095
▷Placidyl, *see* E-00151
▷Plafibride, P-00369
▷Plafibrinol, *see* P-00369
Planate, *in* C-00490
▷Plancol, *in* C-00548
▷Planofix, *see* N-00044
▷Planoform, *in* A-00216
▷Planomycin, *see* D-00452
Plant starch, *see* I-00089
▷Plaquenil, *see* H-00120
▷Plaquinol, *see* H-00120
▷Plasdone, *see* P-00393
▷Plasma thromboplastin component, *see* F-00004
Plasmin, P-00370
Plastoderm, *in* F-00175
Platenomycin C_1, *see* M-00023
▷Platenomycin A_3, *see* L-00033
▷Platenomycin B_1, P-00371
▷Platinex, *in* D-00139
▷Platinol, *in* D-00139
Platyphylline, P-00372
Platyphylline N-oxide, *in* P-00372
Plaugenol, *in* P-00373
Plaunotol, P-00373
Plausital, *in* M-00440
▷Ple 1053, *see* A-00530
Plecton, *see* C-00336
▷Plegan, *see* H-00067
Plegine, *in* M-00290
▷Pleiaserpin, *in* R-00029
▷Pleiatensin simplex, *in* R-00029
▷Plemocil, *see* C-00643
Plenum, *in* F-00044
▷Plestrovis, *in* E-00231
▷Pleuromulin, *see* P-00374
▷Pleuromutilin, P-00374
Pleurosine, *in* L-00037
▷Plicamycin, *see* M-00397
▷Plifenate, *in* D-00204
Plitican, *see* A-00122
Plivistin, *see* M-00059
▷Plosarabine forte, *in* A-00435
▷Plumbagin, *see* H-00167
Plumbagin methyl ether, *in* H-00167
▷Pluridox, *see* B-00316
Pluropon (old form), *in* H-00185
Pluropon (old form), *in* H-00185
PLV 2, *see* F-00029
▷PM 1807, *see* F-00053
PM 1952, *in* E-00161
▷PM 254, *in* P-00156
PM 297, *in* G-00029
▷PM 334, *see* M-00294
▷PM 396, *see* D-00447
PM 3944, *see* F-00135
PM 185184, *see* H-00208
PMSG, *see* S-00053
PN 200-110, *see* I-00219
PN 4478846, *see* A-00003
PNS, *in* H-00185
POCA, *see* C-00474
Podilfen, P-00375
Podophyllic acid, P-00376
▷Podophyllotoxin, P-00377
Poldine, P-00378
Poldine methylsulfate, *in* P-00378
POLI 67, *in* T-00119
Policresulen, *in* D-00216

Polidexide, P-00379
Polidexide sulfate, *in* P-00379
Polidocanol, P-00380
▷Polignate sodium, *in* L-00048
Polihexanide, P-00381
▷Polik, *see* H-00018
Polisclerol, *see* P-00380
▷Polmiror, *see* N-00118
▷Polmix, *in* P-00384
Polyanine, *in* T-00374
▷Polybenzarsol, *in* H-00190
▷Poly[[bis(hydroxymethyl)ureylene]methylene, *see* P-00385
▷Polybrene, *in* T-00148
Polycarbophil, P-00382
Polycarbophil calcium, *in* P-00382
▷Polycidal, *see* S-00198
Poly(1,2-dicarboxy-3-hexadecyl-1,4-butanediyl), *see* S-00276
Poly(1,2-dicarboxy-3-hexadecyltetramethylene), *see* S-00276
Poly[(2-diethylamino)ethyl]polyglycerylenedextran, *see* P-00379
Poly(dimethyl siloxane), *see* D-00390
Polydine, *in* P-00081
Polyferose, P-00383
Polyfungin A_1, *in* N-00235
Polygonatoside *A*, *in* S-00129
Poly(hexamethylenebiguanide), *see* P-00381
Polyhexanide, *see* P-00381
Poly(iminocarbonimidoyliminocarbonimidoylimino-1,6-hexanediyl), *see* P-00381
Poly[imino[1-[4-[[2-(4-carboxy-5,5-dimethyl-2-thiazolidinyl)-1-oxo-2-[(phenylacetyl)amino]ethyl]amino]-butyl]-2-oxo-1,2-ethanediyl]], *see* P-00071
Polymixin E_1, *in* C-00536
▷Polymyxin *E*, *see* C-00536
▷Polymyxin B_1, P-00384
▷Polymyxin B, *in* P-00384
▷Polynoxylin, P-00385
▷Polynoxylin, BAN, INN, *in* U-00011
Polyodin, *see* F-00099
Polyoxymethylene, *in* F-00244
Polyphyllin *A*, *in* S-00129
Polyphyllin D, *in* S-00129
Polyprenic acid, *in* T-00147
▷Polyregulon, *see* P-00386
Polystachoside, *in* P-00082
Poly(1-sulfoethylene), *in* V-00047
Polyteben, *see* S-00170
▷Polythiazide, P-00386
Polytrim, *in* T-00501
▷Polyvidone, *see* P-00393
▷Polyvinylpyrrolidone, *see* P-00393
▷Pomarsol, *see* T-00149
Ponalrestat, P-00387
▷Ponderax, *in* F-00050
▷Pondimin, *in* F-00050
▷Pondinil, *in* C-00280
▷Pondinol, *in* C-00280
Pondus, *in* H-00185
Ponfibrate, *in* D-00192
Ponostop, *in* H-00112
▷Ponoxylan, *see* P-00385
▷Ponsital, *in* I-00028
▷Ponstan, *see* M-00062
▷Ponstel, *see* M-00062
▷Pontelin, *see* C-00197
▷Pontocaine, *see* T-00104
POR 8, *in* V-00013
▷Porcador, *see* A-00503
Porcine secretin, *see* S-00034
▷Porcirelax, *see* A-00503
▷Porect, *see* P-00213
▷Porfiromycin, P-00388
Portaben, *see* G-00089
▷Portyn, *in* B-00082
Posatirelin, P-00389
Posicaine, *in* B-00145
Posicor, *see* Q-00005
Poskine, P-00390
Posorutin, *see* T-00559
Postafen salbe, *see* M-00059
▷Potassium canrenoate, *in* H-00186
▷Potassium chloride, P-00391
▷Potassium clavulanate, *in* C-00410
▷Potassium dichloroisocyanurate, JAN, *in* D-00203
Potassium guaiacolsulfonate, *in* H-00147
▷Potassium iodide, P-00392
Potassium menaphthosulfate, *in* D-00333
Potassium nitrazepate, *in* N-00171
▷Potassium permanganate, *in* P-00127
Potassium phosphate dibasic, *in* P-00219
Potassium phosphate, monobasic, *in* P-00219
▷Potensan, *in* Y-00002
▷Povan, *in* V-00052
▷Povidone, P-00393
▷Povidone-Iodine, *in* P-00393
▷PP 1466, *see* R-00060
▷PP 211, *see* P-00329
▷PP 511, *see* P-00330
3-PPP, *see* H-00194
PR 66, *see* P-00296
PR 100, *in* D-00101
▷PR 1350, *see* C-00421
PR 1381, *in* C-00421
PR 3847, *in* T-00095
PR 0808-156*A*, *in* V-00021
PR 786-723, *see* A-00391
PR-741-976A, *in* A-00064
PR 870-714A, *in* V-00017
PR 879-317A, *see* O-00083
▷Pracarbamin, *see* E-00177
▷Practolol, P-00394
Pradicaine, *in* A-00434
Pragman, *see* T-00367
▷Prajmalium bitartrate, *in* A-00088
Pralidoxime(1+), P-00395
▷Pralidoxime chloride, *in* P-00395
▷Pralidoxime iodide, *in* P-00395
▷Pralidoxime mesylate, *in* P-00395
▷Pramidex, *see* T-00345
▷Pramindole (obsol.), *see* I-00157
▷Praminil, *in* I-00040
Pramipexole, P-00396
Pramiracetam, P-00397
Pramiracetam hydrochloride, *in* P-00397
Pramiracetam sulfate, *in* P-00397
Pramiverine, *in* D-00490
▷Pramocaine, *see* P-00398
▷Pramolan, *in* O-00052
▷Pramoxine, P-00398
▷Pramoxine hydrochloride, *in* P-00398
Prampine, *in* T-00554
Pranolium(1+), P-00399
Pranolium chloride, *in* P-00399
▷Pranoprofen, P-00400
Pranosal, P-00401
▷Prantal, *in* D-00482
▷Prantil, *in* D-00482
▷Pranturon, *see* G-00080
▷Prasterone, *in* H-00110
Prasterone enanthate, *in* H-00110
Prasterone sodium sulfate, *in* H-00110
Pratalgin, *see* T-00367
Pravadoline, P-00402
Pravastatin, P-00403
▷Pravidel, *in* E-00103
▷Pravocaine, *see* P-00511
▷Prax, *see* P-00398

Praxadine, *see* P-00562
▷Praxicillin, *see* E-00074
▷Praxilene, *in* N-00023
▷Praxis, *see* I-00068
▷Prazepam, P-00404
Prazepine, P-00405
▷Prazinil, *in* C-00097
▷Praziquantel, P-00406
Prazitone, P-00407
Prazocillin, P-00408
▷Prazosin, P-00409
▷Prazosin hydrochloride, *in* P-00409
PR-D 92*Ea*, *in* D-00440
Prebediolone acetate, *in* H-00205
Precef, *see* C-00137
Preclamol, *in* H-00194
▷Precor, *in* M-00189
Precriwelline, *in* P-00425
▷Predef 2X, *in* I-00188
Prederid, *see* B-00344
▷Predion, *in* H-00201
▷Prednacinolone, *see* D-00101
Prednazate, *in* P-00412
Prednazoline, *in* P-00412
▷Prednelan, *in* P-00412
Prednicarbate, P-00410
▷Prednimustine, P-00411
Prednisolamate, *in* P-00412
▷Prednisolone, P-00412
Δ^7-Prednisolone, *in* T-00482
▷Prednisolone acetate, *in* P-00412
Prednisolone *tert*-butylacetate, *in* P-00412
Prednisolone hemisuccinate, *in* P-00412
Prednisolone hydrogen tetrahydrophthalate, *in* P-00412
Prednisolone palmitate, *in* P-00412
Prednisolone piperidinoacetate, *in* P-00412
Prednisolone pivalate, *in* P-00412
▷Prednisolone sodium phosphate, *in* P-00412
▷Prednisolone sodium succinate, *in* P-00412
Prednisolone sodium tetrahydrophthalate, *in* P-00412
Prednisolone steaglate, *in* P-00412
Prednisolone stearoylglycolate, *in* P-00412
Prednisolone succinate, *in* P-00412
Prednisolone *m*-sulfobenzoate, *in* P-00412
Prednisolone *m*-sulfobenzoate sodium, *in* P-00412
Prednisolone tebutate, *in* P-00412
Prednisolone trimethylacetate, *in* P-00412
▷Prednisolone valerate, *in* P-00412
▷Prednisolone valeroacetate, *in* P-00412
▷Prednisone, P-00413
▷Prednisone acetate, *in* P-00413
Prednisone palmitate, *in* P-00413
Prednisone succinate, *in* P-00413
▷Prednival, *in* P-00412
▷Prednival acetate, *in* P-00412
Prednylidene, P-00414
Prednylidene diethylaminoacetate, *in* P-00414
▷Predsol, *in* P-00412
Prefenamate, P-00415
Preferid, *see* B-00344
▷Preglandin, *see* G-00015
▷9β,10α-Pregna-4,6-diene-3,20-dione, *see* D-00624
▷Pregna-2,4-dien-20-yno[2,3-*d*]isoxazol-17-ol, *see* D-00010
Pregnane-3,20-diamine, P-00416
Pregnant mare serums gonadotropin, *see* S-00053
Pregnartrone, *in* H-00205
▷Pregn-4-ene-3,20-dione, *see* P-00466
▷Pregn-4-ene-3,11,20-trione, P-00417
▷Pregneninolone, *see* E-00156
Pregnenolone, *in* H-00205
Pregnenolone acetate, *in* H-00205
Pregnenolone succinate, *in* H-00205
Pregnetan, *in* H-00205
Pregneton, *in* H-00205
▷Pregnin, *see* E-00156
Pregnolon, *in* H-00205
Pregno-Pan, *in* H-00205
▷Pregnyl, *see* G-00080
Prelin, *see* H-00068
▷Preludin, *in* M-00290
Premazepam, P-00418
▷Prempar, *in* R-00067
Prenacid, *in* D-00101
Prenalterol, P-00419
Prenalterol hydrochloride, *in* P-00419
▷Prenisteine, P-00420
Prenolon, *in* H-00205
Prenoverine, P-00421
Prenoverine citrate, *in* P-00421
Prenoxdiazine, P-00422
Prentan, *in* D-00315
▷Prentol, *in* D-00482
▷Prenylamine, P-00423
▷4-Prenyl-1,2-diphenyl-3,5-pyrazolidinedione, *see* M-00235
6-Prenylindole, *see* M-00236
▷Prepalin, *see* V-00058
▷PrePar, *in* R-00067
Preparation 484, *see* D-00464
▷Pre-Sate, *in* C-00295
Prescaine, *see* P-00034
Presid, *see* H-00105
▷Presidon, *see* D-00255
▷Presoitan, *in* M-00222
▷Pressamina, *in* D-00459
▷Pressomin, *see* M-00194
▷Pressonex, *in* A-00274
▷Pressoton, *in* A-00272
Presteron, *in* C-00305
Prestonal, *in* P-00457
▷Presuren, *in* H-00201
Pretamazium(1+), P-00424
Pretamazium idodide, *in* P-00424
Pretazettine, P-00425
Prethcainide, *in* C-00566
Prethcamide, *in* C-00569
Pretiadil, P-00426
▷Pretiron, *see* T-00232
▷Prevenol, *see* B-00204
▷Previnfec, *see* C-00235
▷Previscan, *see* F-00189
Previsone, *in* H-00205
▷Prexidil, *see* M-00388
PR-F-36-Cl, *in* S-00057
PR-G 138-Cl, *see* C-00333
PRH 836 EA, *in* E-00061
▷Priadel, *see* L-00058
▷Priamide, *in* I-00199
Priatin, *see* S-00053
▷Priaxim, *see* F-00171
▷Priazimide, *in* I-00199
Pribecaine, P-00427
Pridana, *in* P-00336
▷Priddax, *see* I-00100
Pridefine, *see* D-00498
▷Pridefine hydrochloride, *in* D-00498
Prideperone, P-00428
▷Pridinol, *see* D-00511
Prifelone, P-00429
▷Prifinial, *in* P-00430
Prifinium(1+), P-00430
▷Prifinium bromide, *in* P-00430
Prifuroline, P-00431
Prilocaine, P-00432
▷Prilocaine hydrochloride, *in* P-00432
Prilon, *in* O-00130
▷Prilotane, *in* P-00432
▷Primacaine, *see* M-00144
▷Primachim, *see* P-00434
▷Primaclone, *see* P-00436
▷Primal, *see* A-00166
▷Primalen, *see* M-00109
Primaperone, P-00433

▷Primaquine, P-00434
▷Primaquine phosphate, *in* P-00434
▷Primatene M, *in* M-00221
▷Primatene P, *in* M-00221
Primaxin, *in* C-00342
Primaxin, *in* I-00039
▷Primbactam, *see* A-00533
▷Primicid, *see* P-00329
Primidolol, P-00435
▷Primidone, P-00436
▷Primobolan, *in* M-00178
Primobolan-Depot, *in* M-00178
▷Primofax, *see* N-00227
Primogyn-depot, *in* O-00028
▷Primonabol, *in* M-00178
▷Primostat, *in* G-00023
Primperan, *in* M-00327
▷Primycin, P-00437
▷Prinadol, *in* P-00147
▷Prinalgin, *see* A-00103
Prindamine, P-00438
▷Prindolol, *see* P-00270
Prinomide, P-00439
Prinomide trolamine, *in* P-00439
▷Prinosine, *in* I-00073
▷Prioderm, *see* M-00013
▷Priscol, *in* B-00120
▷Pristinamycin, *in* O-00068
Pristinamycin, *in* P-00440
Pristinamycin I_C, P-00440
Pristinamycin II_A, *see* O-00068
▷Privaprol, *see* L-00104
Prizidilol, P-00441
Prizidilol hydrochloride, *in* P-00441
PR 877-530L, *in* F-00110
▷PRN, *see* P-00210
Proaccelerin, *see* F-00001
▷Pro-Actidil, *in* T-00529
▷Proadifen, P-00442
▷Proadifen hydrochloride, *in* P-00442
▷Pro-Amid, *in* P-00543
▷Proazamine, *in* P-00478
▷Pro-Banthine, *in* P-00492
▷Probarbital, P-00443
▷Probarbital sodium, *in* P-00443
▷Proben, *see* P-00444
▷Probenecid, P-00444
Probenzamide, *see* P-00510
▷Probicromil, *see* A-00169
Probicromil calcium, *in* A-00169
▷Probilin, *see* P-00310
Problaston, *in* H-00210
Probon, *see* R-00055
Probonal, *see* R-00055
Probucol, P-00445
Probunafon, *in* P-00512
Probutylin, *in* P-00447
▷Procainamide, P-00446
Procainamide hydrochloride, *in* P-00446
▷Procaine, P-00447
Procaine Borate, *in* P-00447
▷Procaine hydrochloride, *in* P-00447
Procaine penicillin G, *in* B-00126
Procalma, *see* F-00065
▷Procarbazine, P-00448
▷Procarbazine hydrochloride, *in* P-00448
▷Procasil, *see* D-00298
Procaterol, P-00449
Procaterol hydrochloride, *in* P-00449
▷Procetofen, *in* F-00062
▷Prochlorperazine, P-00450
▷Prochlorperazine edisylate, USAN, *in* P-00450
▷Procidin S 735A, *in* P-00109
Procidin S 735M, *in* P-00109
Procinolol, P-00451
Procinonide, P-00452
Proclival, *see* B-00348
Proclonol, P-00453
▷Proclorperazine, *see* P-00450
Procodazole, *see* B-00083
Procodazole sodium, *in* B-00083
Procolistin *A*, *in* C-00536
Procolistin *B*, *in* C-00536
Procolistin *C*, *in* C-00536
Proconfial, *see* D-00611
Proconvertin, *see* F-00002
Procorum, *see* G-00006
Procromil, P-00454
Proctodon, *in* D-00481
▷Proctofoam, *in* P-00398
Procyclid, *in* P-00455
▷Procyclidine, P-00455
Procyclidine hydrochloride, *in* P-00455
▷Procyclidine methyl chloride, *in* P-00455
Procymate, P-00456
Pro-Dalgafan, *see* P-00485
Prodeconium(2+), P-00457
Prodeconium bromide, *in* P-00457
▷Prodel, *see* D-00624
Prodexin, *see* G-00067
▷Pro-Diaban, *see* G-00048
Prodiame, P-00458
▷Prodilidine, P-00459
▷Prodilidine hydrochloride, *in* P-00459
Prodine, P-00460
(+)-α-Prodine, *in* P-00460
(−)-α-Prodine, *in* P-00460
(±)-α-Prodine, *in* P-00460
(±)-β-Prodine, *in* P-00460
Prodipine, *see* I-00206
Prodix, *in* H-00202
▷Prodolic acid, P-00461
Prodorm, *in* T-00438
Prodox, *in* H-00202
▷Prodoxol, *see* O-00131
▷Pro-Entra, *in* T-00529
Pro-Epinephrine, *see* D-00518
Proeptazina, *see* P-00469
▷Profadol, P-00462
Profadol hydrochloride, *in* P-00462
▷Profasi, *see* G-00080
Profecundin, *see* T-00335
▷Profenamine, *see* E-00160
▷Profenon, *see* T-00479
▷Profenone, *see* H-00193
Profenveramine, *see* V-00027
▷Profetamine phosphate, *in* P-00202
Profexalone, P-00463
▷Proflavine, *see* D-00120
Proflazepam, P-00464
▷Profundol, *see* T-00007
Progabide, P-00465
Progarmed, *see* S-00192
▷Proge, *in* H-00202
▷Pro-gen, *see* A-00302
Progesic, *in* P-00172
▷Progesterone, P-00466
Proglumetacin, P-00467
▷Proglumetacin maleate, *in* P-00467
▷Proglumide, P-00468
▷Proguanil, *see* C-00204
▷Progynon, *see* O-00031
▷Progynon *C*, *see* E-00231
▷Progynova, *in* O-00028
Prohalone, *see* H-00017
▷Proheptatrien, *in* C-00597
Proheptazine, P-00469
Prokan, *in* H-00202
▷Proketazine, *in* C-00095
Prokitamycin, *in* L-00034
Prokrein, *see* K-00003
▷Prolacam, *in* L-00124

Prolactin-inhibiting factor, *see* P-00470
Prolactostatin, P-00470
▷Proladyl, *in* P-00594
Prolame, P-00471
Prolastin, *see* A-00418
▷Prolate, *see* P-00213
Prolergic, *in* C-00593
Proligestone, P-00472
D-Proline^4-β-casomorphin$_{1-5}$, *see* D-00085
▷Prolintane, P-00473
▷Prolintane, *in* P-00473
▷Prolixin, *in* F-00202
Proloid, *see* T-00228
Prolonium iodide, *in* D-00135
▷Proluton, *in* H-00202
Prolyl-*N*-methylleucylglycinamide, P-00474
L-Prolyl-α-phenyl-L-α-aminobutyrylglycinamide, *see* D-00584
▷Promamide, *see* G-00057
▷Promanide, *see* G-00057
▷Promassol, *see* A-00166
▷Promazine, P-00475
▷Promazine hydrochloride, *in* P-00475
Promecon, *see* B-00102
▷Promedol, *see* T-00494
Promegestone, P-00476
Promestriene, P-00477
▷Promethazine, P-00478
Promethazine camsylate, *in* P-00478
▷Promethazine dioxide, *in* P-00478
▷Promethazine hydrochloride, *in* P-00478
Promethazine hydroxyethyl chloride, *in* P-00478
Promethazine methylchloride, *in* T-00182
Promethazine theoclate, *in* P-00478
Promethestrol dipropionate, *in* P-00479
Promethoestrol, P-00479
Prometholone, *in* H-00153
▷Promin, *see* G-00057
▷Promintic, *see* M-00199
Promizole, *see* T-00185
Promolate, P-00480
▷Promone *E*, *in* H-00175
▷Promotil, *in* P-00473
▷Promoxolan, P-00481
▷Promoxolane, *see* P-00481
▷Pronabol, *see* N-00211
Pronarcon, P-00482
▷Prondol, *in* I-00157
▷Pronestyl, *see* P-00446
▷Pronetalol, *see* P-00483
▷Pronethalol, P-00483
Pronilin, *see* L-00114
Pronoctan, *see* L-00097
Prontomucil, *see* G-00089
▷Prontopaz, *see* B-00200
Prontosil, P-00484
Prontosil III, *see* S-00187
▷Prontosil album, *in* A-00213
Propacetamol, P-00485
▷Propacil, *see* D-00298
▷Propacin, *in* T-00179
▷Propadrine, *in* A-00308
Propafenone, P-00486
▷Propaldon, *see* B-00291
Propalgyl, *see* D-00380
▷Propallylonal, *see* B-00291
Propamidine, P-00487
▷Propamidine isethionate, *in* P-00487
Propaminodiphene, *in* D-00490
Propampicillin, P-00488
▷Propanalone, *see* P-00600
▷1,1′-(1,3-Propanediyl)bis[4-[(hydroxyimino)methyl]pyridinium, *see* T-00493
4,4′-[1,3-Propanediylbis(oxy)]bisbenzenecarboximidamide, *see* P-00487
4,4′-[1,3-Propanediylbis(oxy)]bis[3-bromobenzenecarboximidamide], *see* D-00168
▷1,3-Propanediyl 2-(4-chlorophenoxy)-2-methylpropanoate, *see* S-00074
▷1,2,3-Propanetriol, *see* G-00064
▷1,2,3-Propanetriol triacetate, *see* G-00065
▷1,2,3-Propanetriol trinitrate, *see* G-00066
▷Propanidid, P-00489
Propanocaine, P-00490
▷2-Propanol, P-00491
▷Propanolamine, *see* A-00319
▷Propanolide, *see* O-00105
Propantheline, P-00492
▷Propantheline bromide, *in* P-00492
Proparacaine, *see* P-00550
Proparacaine hydrochloride, *in* P-00550
▷Propasa, *see* A-00264
Propatyl nitrate, *in* E-00194
▷Propavan, *in* P-00504
Propaxoline, *see* P-00545
Propazepine, *see* P-00405
▷Propazium, *in* P-00475
Propazolamide, P-00493
Propazole sodium, *in* B-00083
▷Propen, *in* B-00126
Propenidazole, P-00494
Propentofylline, P-00495
2-(2-Propenylamino)-4-thiazolecarboxylic acid [3-(5-nitro-2-furanyl)-2-propenylidene]hydrazide, *see* N-00117
3-[[(2-Propenylamino)thioxomethyl]amino]benzoic acid monocopper(1+), *see* A-00127
α-2-Propenylbenzeneethanamine, *see* A-00307
▷5-(2-Propenyl)-1,3-benzodioxole, *see* A-00131
▷17-(2-Propenyl)estr-4-en-17-ol, *see* A-00132
▷17-(2-Propenyl)morphinan-3-ol, *see* L-00038
▷2-Propenyloxybenzene, *in* P-00161
▷2-Propenylthiourea, P-00496
Propenzamide, *see* P-00510
Propenzolate, P-00497
Propenzolate hydrochloride, *in* P-00497
▷Propériciazine, *see* P-00121
Properidine, P-00498
Propetamide, P-00499
Propetandrol, P-00500
Propethandrol, *see* P-00500
▷Propheniramine, *see* P-00157
Prophenoxamine citrate, *in* M-00050
▷Propial, *in* P-00504
Propicillin, P-00501
Propikacin, P-00502
Propine, *in* D-00518
Propinetidine, P-00503
Propinox, *see* P-00035
Propiocine, *in* E-00115
Propiodal, *in* D-00135
▷Propiodone, *in* D-00363
▷Propiolactone, *see* O-00105
▷β-Propiolactone, *see* O-00105
Propiomazine, P-00504
Propiomazine hydrochloride, *in* P-00504
5-Propionamido-1,3,4-thiadiazole-2-sulfonamide, 6CI, *see* P-00493
p-Propionylanisole, *in* H-00193
Propionylcholine, *in* C-00308
▷Propionylerythromycin lauryl sulfate, *in* E-00115
▷*p*-Propionylphenol, *see* H-00193
4-Propionyl-1-piperazinecarboxylic acid 6-(7-chloro-1,8-naphthyridin-2-yl)-2,3,6,7-tetrahydro-7-oxo-5*H*-1,4-dithiino[2,3-*c*]pyrrol-5-yl ester, *see* S-00273
Propionylpyrrothione, *see* A-00477
Propionylscopolamine, *see* P-00390
▷Propionyltestosterone, *in* H-00111
▷Propipocaine, *see* P-00289
▷Propiram, P-00505
▷Propiram fumarate, *in* P-00505
Propisergide, P-00506

Propisomide, *see* P-00098
▷Propitan, *see* P-00274
Propitocaine, *see* P-00432
Propiverine, P-00507
Propizepine, P-00508
▷Propofol, *see* D-00367
▷Propol, *see* P-00491
Proponesin, *in* T-00366
▷Propoquin, *see* A-00358
Propoxate, P-00509
2-Propoxybenzamide, P-00510
▷5-Propoxy-2-benzimidazolecarbamic acid methyl ester, *see* O-00109
▷(5-Propoxy-1*H*-benzimidazol-2-yl)carbamic acid methyl ester, *see* O-00109
▷Propoxycaine, P-00511
▷Propoxycaine hydrochloride, *in* P-00511
▷Propoxychlorinol, *see* T-00361
▷Propoxyphene, P-00512
▷D-Propoxyphene, *in* P-00512
▷Propoxyphene hydrochloride, *in* P-00512
▷Propoxyphene napsylate, *in* P-00512
2-(2-Propoxyphenyl)-8-azahypoxanthine, *see* Z-00006
2-(2-Propoxyphenyl)-5-(1*H*-tetrazol-5-yl)-4(1*H*)-pyrimidinone, P-00513
▷Propoxyprocaine, *see* P-00511
▷Propranolol, P-00514
Propranolol clofibrate, *in* P-00514
Propranolol dibudinate, *in* P-00514
▷Propranolol hydrochloride, *in* P-00514
▷Proprasylyte hydrochloride, *in* P-00514
▷Propyladiphenine, *see* P-00442
4-(Propylamino)benzoic acid 3-(dimethylamino)-2-hydroxypropyl ester, *see* H-00119
2-(Propylamino)-*o*-propionotoluidide, *see* P-00432
Propyl benzoate, *in* B-00092
Propyldazine, *see* P-00251
▷Propyl 4-[2-(diethylamino)-2-oxoethoxy]-3-methoxybenzeneacetate, *see* P-00489
▷Propyl [4-[(diethylcarbamoyl)methoxy]-3-methoxyphenyl]-acetate, *see* P-00489
Propyldironyl, *in* P-00533
Propyl docetrizoate, *in* A-00340
▷4,4′-Propylenedi-2,6-piperazinedione, *see* R-00016
▷4-Propyl-4-heptanamine, *see* P-00515
▷4-Propyl-4-heptylamine, P-00515
3-(4-Propylheptyl)-4-morpholineethanol, *see* D-00055
▷Propylhexedrine, *see* M-00242
▷Propyl 4-hydroxybenzoate, *in* H-00113
14,17-[Propylidenebis(oxy)]preg-4-nene-3,20-dione, *see* P-00472
▷Propyliodone, *in* D-00363
▷Propylix, *in* D-00363
17-Propylmesterolone, *see* R-00094
▷Propylparaben, *in* H-00113
▷Propyl parasept, *in* H-00113
▷2-Propylpentanoic acid, P-00516
4-(2-Propylpentyl)-1-piperidineethanol, *see* O-00016
▷1-(α-Propylphenethyl)pyrrolidine, *see* P-00473
1-Propyl-2′,6′-pipecoloxylidide, *see* R-00089
3-(1-Propyl-3-piperidinyl)phenol, *see* H-00194
▷2-Propyl-4-pyridinecarbothioamide, *see* P-00535
N-[(1-Propyl-2-pyrrolidinyl)methyl-5-sulfamoyl-*o*-anisamide, *see* P-00530
2-Propyl-5-thiazolecarboxylic acid, P-00517
▷[5-(Propylthio)-1*H*-benzimidazol-2-yl]carbamic acid methyl ester, *see* A-00096
▷2-Propylthioisonicotinamide, *see* P-00535
3-[4-[4-[2-(Propylthio)phenyl]-1-piperazinyl]butyl]-2,4-(1*H*,3*H*)-quinazolinedione, *see* T-00301
▷Propylthiouracil, *see* D-00298
▷6-Propyl-2-thiouracil, *see* D-00298
2-Propylvaleramide, *in* P-00516
▷2-Propylvaleric acid, *see* P-00516
3-Propylxanthine, *in* X-00002
▷1-(2-Propynyl)cyclohexanol carbamate, *see* H-00061
Propyonylmaridomycin, JAN, *in* M-00023
▷Propyperone, P-00518
▷Propyphenazone, P-00519
Propyromazine(1+), P-00520
Propyromazine bromide, *in* P-00520
Proquamezine, P-00521
▷Proquazone, P-00522
Proquinolate, P-00523
Prorenal, *see* L-00050
Prorenoate, P-00524
Prorenoate potassium, *in* P-00524
Proroxan, P-00525
▷Proroxan hydrochloride, *in* P-00525
Prosalol *S*-9, *see* B-00257
Prosapogenin D'_3, *in* S-00129
▷Proscillaridin *A*, *in* D-00319
▷Proscillaridin, *in* D-00319
Proscopine, *see* P-00390
▷Prosedar, *see* Q-00004
Proseptazine, *see* B-00129
▷Proserin, *see* N-00070
Prosolvin, *see* L-00114
Prospasmin, P-00526
▷Prospidin, *in* P-00527
Prospidium(2+), P-00527
▷Prospidium chloride, *in* P-00527
Prostacyclin, P-00528
Prostacyclin sodium, *in* P-00528
Prostaglandin *X*, *see* P-00528
▷Prostaglandin E_1, *in* D-00341
▷Prostaglandin A_2, *in* H-00187
▷Prostaglandin D_2, *in* D-00338
▷Prostaglandin E_2, *in* D-00339
▷Prostaglandin $F_{2\alpha}$, *in* T-00483
▷Prostaglandin $F_{2\beta}$, *in* T-00483
Prostaglandin I_2, *see* P-00528
8-*epi*-Prostaglandin E_1, *in* D-00341
(±)-11-*epi*-Prostaglandin E_1, *in* D-00341
(±)-15-*epi*-Prostaglandin E_1, *in* D-00341
(±)-8,15-*diepi*-Prostaglandin E_1, *in* D-00341
(±)-11,15-*diepi*-Prostaglandin E_1, *in* D-00341
Prostalene, P-00529
Prostaphlin, *in* O-00074
▷Prostaphlin *A*, *in* C-00515
Prostarex, *see* B-00163
▷Prostarmon *E*, *in* D-00339
Prostenoglycine, *see* S-00145
▷Prostenon, *in* D-00339
Prostetin, *see* O-00102
Prostianol, *see* L-00114
▷Prostin *VR*, *in* D-00341
▷Prostin E_2, *in* D-00339
▷Prostin F2 Alpha, *in* T-00483
▷Prostin 15M, *in* C-00062
▷Prostosin, *in* D-00319
▷Prostrumyl, *see* D-00293
Prosul, *see* S-00210
Prosulpride, P-00530
▷Prosultiamine, *see* T-00177
Prosymasul, *see* S-00210
Protabol, *see* T-00205
Protabolin, *in* M-00225
Protacine, *see* P-00467
▷Protalba, *in* P-00543
▷Protamines, P-00531
▷Protamine sulfate, *in* P-00531
▷Protaxil, *in* P-00467
▷Protaxon, *in* P-00467
Protease 1, *see* B-00273
▷Protecton, *in* I-00037
α_1 Proteinase inhibitor, *see* A-00418
Proteinase inhibitor E 64, *see* E-00125
Protein C, *see* F-00008
Protein S, P-00532
Proterguride, P-00533
Proteron-Depot, *in* H-00185

▷Prothanelten, *in* P-00478
▷Prothanon, *in* P-00478
▷Protheobromine, P-00534
Prothiaden, *in* D-00588
▷Prothidium, *in* P-00589
▷Prothil, *see* M-00057
▷Prothionamide, P-00535
▷Prothipendyl, P-00536
Prothixene, P-00537
▷Prothyrotropin, *see* T-00229
Protiadene, *in* D-00588
Protiofate, P-00538
▷Protionamide, *see* P-00535
▷Protirelin, *see* T-00229
Protirelin tartrate, JAN, *in* T-00229
▷Protivar, *see* O-00086
Protizinic acid, P-00539
▷Protocatechualdehyde, *see* D-00311
▷Protocatechuic aldehyde, *see* D-00311
Protoescigenin, *in* O-00036
▷Protogen *A*, *see* L-00053
Protogen *B*, *in* L-00053
Protokylol, P-00540
▷Protomin, *see* G-00057
▷Protopam chloride, *in* P-00395
▷Protopam iodide, *in* P-00395
▷Protopam methanesulfonate, *in* P-00395
Protoporphyrin, P-00541
Protoporphyrin IX, *see* P-00541
Protostephanine, P-00542
▷Protostib, *in* D-00082
▷Protoveratrine, *in* P-00543
▷Protoveratrine A, *in* P-00543
▷Protoveratrine B, *in* P-00543
Protoveratrine C, *in* P-00543
▷Protoverine, P-00543
▷Protoxil, *in* P-00467
Protozol, *see* T-00185
▷Protriptyline, P-00544
▷Protriptyline hydrochloride, *in* P-00544
▷Protrombrovit, *see* D-00333
Protropin, *see* S-00099
Prourokinase, *see* S-00026
Proval, *in* C-00525
Provasan, *see* N-00086
▷Provell, *in* P-00543
Provenal, *see* S-00232
▷Proventil, *see* S-00012
Pro-viron, *see* M-00137
▷Provismin, *see* V-00057
▷Provismine, *see* V-00057
Provitamin D_2, *see* E-00105
▷Provitina, *see* V-00062
▷Proxacin, *see* L-00033
Proxal, *see* P-00545
▷Proxazocaine hydrochloride, *in* P-00398
Proxazole, P-00545
▷Proxazole citrate, *in* P-00545
Proxel, *see* B-00086
▷Proxibarbal, P-00546
Proxibutene, P-00547
Proxicromil, P-00548
▷Proxifezone, INN, *in* P-00512
▷Proxil, *in* P-00467
Proxorphan, P-00549
Proxorphan tartrate, *in* P-00549
Proxymetacaine, P-00550
▷Proxyphylline, P-00551
Prozac, *see* F-00194
Prozapine, *see* D-00512
PR-S/109, *see* H-00162
PRT, *see* P-00539
Prunetrin, *see* T-00470
Prunicyanin, *see* K-00009
Prunitrin, *see* T-00470
▷Pruralgan, *in* D-00392
▷Pruralgin, *in* D-00392
PRZ, *see* P-00340
PS 1286, *in* T-00532
PS 207, *see* T-00047
▷Pseudochelerythrine, *see* S-00022
Pseudocinchonine, *in* C-00358
Pseudococaine, *in* C-00523
▷Pseudoephedrine, *in* M-00221
▷Pseudoephedrine hydrochloride, *in* M-00221
Pseudoephedrine sulfate, *in* M-00221
Pseudohomolycorine, *in* G-00002
▷Pseudomonic acid *A*, P-00552
Pseudoreserpine, *in* R-00029
Pseudotropyl-3,5-dimethylbenzoate, *in* T-00547
▷Psicoben, *see* B-00060
▷Psicosterone, *in* H-00110
Psigodal, *in* M-00099
▷Psilocine, *see* D-00411
▷Psilocybine, *in* D-00411
▷Psoralex, *in* D-00310
PSVA, *see* N-00205
Psychobolan, *in* H-00185
▷Psychoperidol, *see* T-00468
Psychosan, *see* D-00506
▷Psychoson, *see* S-00222
▷Psymod, *see* P-00282
▷Psytomin, *see* P-00116
PT 14, *see* P-00326
▷Pteramina, *see* A-00324
Pteropterin, *see* P-00555
Pteroylaspartic acid, P-00553
▷Pteroylglutamic acid, P-00554
Pteroylglutamylglutamylglutamic acid, *see* P-00555
Pteroyltriglutamic acid, P-00555
▷PTH, *see* P-00030
▷Ptosine, *in* C-00100
PTT 119, *see* A-00165
PTZ, *see* P-00425
▷PU 239, *in* B-00082
▷Pulanomycin, *see* D-00452
Pulmadil, *in* R-00058
Pulmicort, *see* B-00344
Pulmidol, *in* A-00340
Pulmorex, *in* M-00141
Pulsan, *in* I-00056
▷Pumitepa, P-00556
Purantix, *in* C-00444
Purapen, *see* A-00520
▷Purapen, *in* C-00074
▷6-Purinethiol, *see* D-00299
6-Purinethiol, *in* D-00299
▷Purinethol, *see* D-00299
▷Purodigin, *in* D-00275
▷Puromycin, P-00557
▷Puromycin hydrochloride, *in* P-00557
▷Puroverin, *in* P-00543
PV144, *see* E-00100
▷PVP-Iodine, *in* P-00393
▷PVS 295, *in* P-00543
PY 108-068, *see* D-00016
Pyastacine, *in* P-00440
▷Pyelokon *R*, *in* A-00340
Pygnoforton, *see* H-00054
Pyknogenol, *see* H-00054
▷Pynamin, *see* A-00124
▷Pyopen, *in* C-00045
▷Pyquiton, *see* P-00406
Pyrabrom, *in* M-00108
▷Pyraldin, *in* A-00207
Pyramin, *see* A-00267
▷Pyranisamine, *see* M-00108
Pyrantel, P-00558
▷Pyrantel pamoate, *in* P-00558
▷Pyrantel tartrate, *in* P-00558
Pyrasanone, *in* P-00180
▷Pyrathiazine, *see* P-00597

▷Pyrathyn, *see* M-00171
Pyratrione, P-00559
Pyrazapon, *see* R-00062
Pyrazidol, *see* P-00340
▷Pyrazinamide, *in* P-00560
Pyrazinecarbonitrile, *in* P-00560
▷Pyrazinecarboxamide, *in* P-00560
Pyrazinecarboxylic acid, P-00560
Pyrazinobutazone, *in* P-00180
Pyrazinoic acid, *see* P-00560
Pyrazocillin, *see* P-00408
▷Pyrazofurin, *in* P-00566
Pyrazofurin B, *in* P-00566
1*H*-Pyrazole-1-carbothioamide, P-00561
1*H*-Pyrazole-1-carboxamide, *in* P-00563
Pyrazole-1-carboxamidine, *see* P-00562
1*H*-Pyrazole-1-carboximidamide, P-00562
1*H*-Pyrazole-1-carboxylic acid, P-00563
1*H*-Pyrazole-3-ethanamine, *see* A-00256
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, P-00564
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, P-00565
▷Pyrazomycin, P-00566
Pyrazomycin *B*, *in* P-00566
▷Pyrbenine, *in* B-00082
Pyrbenzindole, *see* B-00084
▷Pyreflor, *see* P-00128
Pyrextramine, P-00567
Pyrgasol, *in* L-00014
▷Pyribenzamine, *see* T-00524
▷Pyricarbate, P-00568
▷Pyricozin, *see* M-00377
▷Pyrictal, *see* D-00253
Pyridarone, *see* P-00583
▷2-Pyridinamine, *see* A-00325
3-Pyridinecarboxaldehyde, P-00569
▷3-Pyridinecarboxamide, P-00570
▷3-Pyridinecarboxylic acid, P-00571
▷3-Pyridinecarboxylic acid 2,2-bis[[3-pyridinylcarbonyl)-oxy]-methyl]-1,3-propanediyl ester, *see* N-00090
4-Pyridinecarboxylic acid 2-(2-butenylidene)hydrazide, *see* C-00570
3-Pyridinecarboxylic acid 2-butoxyethyl ester, *see* B-00421
4-Pyridinecarboxylic acid [[2-(carboxymethoxy)phenyl]-methylene]hydrazide, *see* A-00046
3-Pyridinecarboxylic acid 3-[2-(4-chlorophenoxy)-2-methyl-1-oxopropoxy]propyl ester, *see* R-00085
4-Pyridinecarboxylic acid [(3,4-dimethoxyphenyl)methylene]-hydrazide, *see* V-00020
3-Pyridinecarboxylic acid 5-[2-(dimethylamino)ethyl]-2,3,4,5-tetrahydro-2-(4-methoxyphenyl)-4-oxo-1,5-benzothiazepin-3-yl ester, *see* N-00106
▷4-Pyridinecarboxylic acid hydrazide, *see* I-00195
▷3-Pyridinecarboxylic acid (2-hydroxy-1,3-cyclohexanediylidene)-tetrakis(methylene ester), *see* N-00100
4-Pyridinecarboxylic acid [(4-hydroxy-3-methoxyphenyl)-methylene]hydrazide, *see* F-00269
4-Pyridinecarboxylic acid [(2-hydroxyphenyl)methylene]-hydrazide, *see* S-00016
4-Pyridinecarboxylic acid 2,2′-methylenedihydrazide, *see* M-00154
4-Pyridinecarboxylic acid 2-[3-oxo-3-[(phenylmethyl)amino]-propyl]hydrazide, *see* N-00082
4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide, *in* I-00195
3-Pyridinecarboxylic acid 1-[(1,2,3,6-tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purin-7-yl)methyl]-1,2-ethanediyl ester, *see* D-00466
3-Pyridinecarboxylic acid (tetrahydro-2-furanyl)methyl ester, *see* T-00222
3-Pyridinecarboxylic acid 2,2,23,23-tetramethyl-4,8,17,21-tetra-oxo-12,13-dithia-5,9,16,20-tetraazatetracosane-1,3,22,24-tetrayl ester, *see* D-00090
▷2,6-Pyridinedimethanol bis(methylcarbamate), *see* P-00568
▷2,6-Pyridinediyldimethylene bis(methylcarbamate), *see* P-00568
2,6-Pyridinediyldimethylenebis(3,4,5-trimethoxybenzoate), *see* P-00354
3-Pyridinemethanamine, *see* A-00290
▷2-Pyridinemethanol, P-00572
▷3-Pyridinemethanol, P-00573
2-Pyridinethiol *N*-oxide, *in* P-00574
▷2(1*H*)-Pyridinethione, P-00574
3-Pyridinol, *see* H-00209
▷Pyridinol carbamate, *see* P-00568
1-[2-(4-Pyridinylamino)benzoyl]piperidine, P-00575
▷α-[(2-Pyridinylamino)methyl]benzenemethanol, *see* P-00211
▷*N*-2-Pyridinyl[1,1′-biphenyl]-4-acetamide, *see* D-00487
2-[(3-Pyridinylcarbonyl)amino]ethyl 2-(4-chlorophenoxy)-2-methylpropanoate, *see* P-00230
N-(3-Pyridinylcarbonyl)glycine, *see* N-00104
4-(3-Pyridinylcarbonyl)morpholine, P-00576
[2-(2-Pyridinyl)ethylidene]bis[phosphonic acid], *see* P-00327
5-(3-Pyridinylmethyl)-2-benzofurancarboxylic acid, *see* F-00289
S-(3-Pyridinylmethyl) 1-(4-chlorobenzoyl)-5-methoxy-2-methyl-1*H*-indole-3-ethanethioic acid, *see* P-00256
4,4′-(2-Pyridinylmethylene)bisphenol, *see* B-00221
▷4,4′-(2-Pyridinylmethylene)bisphenol diacetate, *see* B-00186
p,*p*′-(2-Pyridinylmethylene)bis(phenyl palmitate), P-00577
▷2-(3-Pyridinylmethylene)hydrazinecarbothioamide, *in* P-00569
N-(4-Pyridinylmethyl)-4-pyridinemethanamine, *see* D-00531
2-[(2-Pyridinylmethyl)sulfinyl]-1*H*-benzimidazole, *see* T-00289
2-[(4-Pyridinylmethyl)thio]ethanol, *see* R-00064
2-[(3-Pyridinylmethyl)thio]pyrimidine, *see* T-00029
3-(3-Pyridinyl)-2-propenoic acid 9-[2-(diethylamino)-ethoxy]-7-methyl-5-oxo-5*H*-furo[3,2-*g*][1]benzopyran-4-yl ester, *see* M-00052
5-[[[3-Pyridinyl[3-(trifluoromethyl)phenyl]methylene]-amino]-oxy]pentanoic acid, *see* R-00043
▷Pyridion, *see* D-00255
▷Pyridium, *in* D-00133
Pyridium Plus, *in* T-00554
10*H*-Pyrido[3,2-*b*][1,4]benzothiazine-10-carboxylic acid 2-[2-(1-piperidinyl)ethoxy]ethyl ester, *see* P-00275
4-[3-(10-Pyrido[3,2-*b*][1,4]benzothiazin-10-yl)propyl]-1-piperazineethanol, *see* O-00156
▷Pyridofylline, *in* P-00582
3-Pyridol, *see* H-00209
▷Pyridostigmine(1+), P-00578
▷Pyridostigmine bromide, *in* P-00578
Pyridoxal-homocysteine, *see* T-00242
▷Pyridoxal 5-monophosphate, *see* P-00579
▷Pyridoxal phosphate, P-00579
Pyridoxamine, P-00580
Pyridoxamine 5′-phosphate, P-00581
▷Pyridoxine, P-00582
▷Pyridoxine hydrochloride, *in* P-00582
Pyridoxin 5′-phosphate, *in* P-00582
▷Pyridoxol, *see* P-00582
Pyridoxol dihydrogen phosphate, *in* P-00582
Pyridoxylate, *in* P-00582
▷α-Pyridylamine, *see* A-00325
▷α-(2-Pyridylaminomethyl)benzyl alcohol, *see* P-00211
2-(4-Pyridyl)benzofuran, P-00583
N-(4′-Pyridyl)-3,3-diphenylpropylamine, *see* M-00379
3-(Pyridylformamido)acetic acid, *see* N-00104
1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea, P-00584
3-Pyridylmethylamine, *see* A-00290
▷7-[2-[(2-Pyridylmethyl)amino]ethyl]theophylline, *see* P-00254
1-[2-[*N*-(2-Pyridylmethyl)anilino]ethyl]piperidine, *see* P-00239
▷3-Pyridylmethyl 2-(*p*-chlorophenoxy)-2-methylpropionate, *see* N-00097
3-Pyridylmethyl 2-[4-[(4-chlorophenyl)methyl]phenoxy]-2-methylbutanoate, *see* E-00055

3-Pyridylmethyl 2-[[α-(*p*-chlorophenyl)-*p*-tolyl]oxy]-2-methylbutyrate, *see* E-00055
4,4′-(Pyridylmethylene)diphenol, *see* B-00221
▷4,4′-(2-Pyridylmethylene)diphenol diacetate, *see* B-00186
2-[(Pyridylmethyl)sulfinyl]benzimidazole, *see* T-00289
1-[3-(2-Pyridyloxy)propyl]-4-*o*-tolylpiperazine, *see* T-00383
▷1-(2-Pyridyl)-3-(1-pyrrolidinyl)-1-*p*-tolyl-1-propene, *see* T-00529
▷5-[[*p*-Pyridylsulfamoyl)phenyl]azo]salicyclic acid, *see* S-00253
▷*N*′-2-Pyridylsulfanilamide, *see* S-00252
▷7-[2-(4-Pyridylthio)acetamido]cephalosporanic acid, *see* C-00115
2-[2-(2-Pyridyl)vinyl]-3-*o*-tolyl-4(3*H*)-quinazolinone, *see* P-00335
▷Pyrilamine, *see* M-00108
▷Pyrilamine maleate, *in* M-00108
▷Pyrimethamine, P-00585
▷2,4,5,6(1*H*,3*H*)-Pyrimidinetetrone, *see* A-00128
▷2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione, P-00586
α-[(2-Pyrimidinylamino)methyl]benzenemethanol, *see* F-00082
α-[(2-Pyrimidinylamino)methyl]benzyl alcohol, *see* F-00082
▷8-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-8-azaspiro[4.5]decane-7,9-dione, *see* B-00378
2-[4-[4-(2-Pyrimidinyl)-1-piperazinyl]butyl]-1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide, *see* I-00167
2-[3-[4-(2-Pyrimidinyl)-1-piperazinyl]propyl]-1,2-benzisothiazol-3(2*H*)-one 1,1-dioxide, *see* R-00035
▷*N*′-2-Pyrimidinylsulfanilamide, *see* S-00237
▷Pyrimitate, P-00587
▷Pyrimithate, *see* P-00587
▷Pyrinamine, *in* T-00524
Pyrinoline, P-00588
Pyrisuccideanol, *see* P-00336
▷Pyrithidium bromide, *in* P-00589
▷Pyrithione zinc, *in* P-00574
Pyrithioxin, *see* P-00590
▷Pyrithyldione, *see* D-00255
Pyritidium(2+), P-00589
▷Pyritidium bromide, *in* P-00589
Pyritinol, P-00590
Pyritioxine hydrochloride, JAN, *in* P-00590
Pyritioxine, JAN, *see* P-00590
▷Pyriton, *see* P-00157
▷Pyrium, *see* P-00337
▷Pyro-Ace, *see* C-00223
Pyrocat, *in* D-00315
Pyrocatechuic acid, *see* D-00315
o-Pyrocatechuic acid, *see* D-00315
▷Pyrochol, *in* D-00321
▷Pyrogentisinic acid, *see* B-00074
Pyroglutamic acid, *see* O-00140
▷L-Pyroglutamyl-L-histidyl-L-prolinamide, *see* T-00229
▷L-Pyroglutamyl-L-prolyl-L-seryl-L-lysyl-L-aspartyl-L-alanyl-L-phenylalanyl-L-isoleucylglycyl-L-leucyl-L-methioninamide, *see* E-00024
▷Pyroibotenic acid, *see* A-00283
▷Pyromecaine, *in* B-00354
▷Pyronil, *in* P-00594
Pyrophendane, P-00591
Pyrophenindane, *see* P-00591
▷Pyroracemic aldehyde, *see* P-00600
▷Pyrosine *B*, *see* E-00118
▷Pyrostib, *in* B-00207
Pyrovalerone, P-00592
Pyrovalerone hydrochloride, *in* P-00592
Pyroxamine, P-00593
Pyroxamine maleate, *in* P-00593
Pyrrobutamine, P-00594
▷Pyrrobutamine phosphate, *in* P-00594
Pyrrocaine, P-00595
▷Pyrrocycline *N*, *in* R-00078
Pyrrolamidol, *see* M-00437
▷Pyrrolazote, *in* P-00597
1*H*-Pyrrole-2-carboxylic acid, P-00596
1-Pyrrolidineaceto-2′,6′-xylidide, *see* P-00595
Pyrrolidinomycin, *see* A-00092
N-(Pyrrolidin-1-ylacetyl)-2,6-dimethylaniline, *see* P-00595
▷1-[4-(1-Pyrrolidinyl)-2-butynyl]-2-pyrrolidinone, *see* O-00141
1-[(1-Pyrrolidinylcarbonyl)methyl]-4-(3,4,5-trimethoxycinnamoyl)piperazine, *see* C-00363
▷α-[[2-(1-Pyrrolidinyl)ethyl]amino]benzeneacetic acid 3-methylbutyl ester, *see* C-00021
2-(1-Pyrrolidinyl)ethyl 4-butoxy-3,5-dimethoxybenzoate, *see* B-00376
▷10-[2-(1-Pyrrolidinyl)ethyl]-10*H*-phenothiazine, P-00597
▷2-(1-Pyrrolidinyl)ethyl 2-[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoate, *see* F-00125
▷2-(1-Pyrrolidinyl)ethyl *N*-[7-(trifluoromethyl)-4-quinolyl]anthranilate, *see* F-00125
▷*N*-(1-Pyrrolidinylmethyl)tetracycline, *see* R-00078
3-[6-[3-Pyrrolidin-1-yl-1-(*p*-tolyl)-1-propenyl]-2-pyridyl]-acrylic acid, *see* A-00049
4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, P-00598
2-Pyrrolidone-5-carboxylic acid, *see* O-00140
Pyrrolifene, *see* P-00599
2-Pyrroline-2-carboxylic acid, *see* D-00301
Pyrroliphene, P-00599
Pyrroliphene hydrochloride, *in* P-00599
2,5-Pyrrolizidinedione, *see* D-00302
▷Pyrrolnitrin, *see* C-00223
Pyrrolomycin A, *see* D-00197
1*H*-Pyrrolo[2,3-*d*]pyrimidin-4-amine, *see* A-00330
Pyrroplegium, *see* P-00102
Pyrrovinyquinium, *see* V-00052
Pyrroxane, *see* P-00525
α-Pyrroyl chloride, *in* P-00596
▷Pyruvaldehyde, P-00600
▷Pyruvic aldehyde, *see* P-00600
▷Pyruvodehydrase, *see* T-00175
Pyrvinium, *see* V-00052
▷Pyrvinium chloride, *in* V-00052
▷Pyrvinium pamoate, *in* V-00052
Pytamine, P-00601
Py-tetrahydroserpentine, *see* A-00087
PZ 51, *see* P-00178
▷PZ 1511, *in* C-00097
PZ 17105, *see* P-00545
PZ 100-862, *see* T-00045
QB 1, *see* C-00491
▷QHS, *see* A-00452
▷Qinghaosu, *see* A-00452
▷Qing Hau Sau, *see* A-00452
QM 6008, *see* B-00066
▷Quaalude, *see* M-00172
Quadazocine, Q-00001
Quadazocine mesylate, *in* Q-00001
▷Quadrinal, *in* M-00221
▷Quadrinal, *in* P-00392
▷Quadrol, *see* E-00012
Quadrosilan, *in* H-00056
Quadrosilan, Q-00002
▷Quantalan, *see* C-00307
Quantrel, *in* O-00087
Quantril, *see* B-00102
▷Quantum, *see* E-00151
▷Quarzan, *in* C-00425
Quatacaine, Q-00003
Quateleron, *in* B-00420
Quateron, *in* B-00420
▷Quazepam, Q-00004
Quazinone, Q-00005
Quazodine, *see* E-00181
Quazolast, *in* C-00259
▷Quebrachine, *see* Y-00002
▷Quebrachol, *in* S-00151
▷Queletox, *see* F-00078

▷Quelicin, *in* S-00280
▷Quellada, *in* H-00038
Quenamox, *see* Q-00021
▷Quench, *in* A-00205
▷Quensyl, *see* H-00120
▷Quercetin, *see* P-00082
▷Quercetin 3-β-D-rutinoside, *see* R-00106
Quercimeritrin, *in* P-00082
▷Quercitrin, *in* P-00082
Querton 16 ES, *in* E-00182
▷Questran, *see* C-00307
▷Quiactin, *see* O-00085
▷Quiadon, *see* O-00098
▷Quibron Plus, *in* M-00221
▷Quide, *see* P-00282
▷Quietalum, *see* B-00291
Quifenadine, Q-00006
▷Qui-lea, *in* E-00231
Quilene, *in* P-00091
Quillifoline, Q-00007
▷Quilonum retard, *see* L-00058
Quinacainol, Q-00008
Quinacillin, Q-00009
▷Quinacrine, Q-00010
▷Quinacrine hydrochloride, *in* Q-00010
▷Quinacrine soluble, *in* Q-00010
▷Quinaglute, *in* Q-00027
▷Quinalbarbitone, Q-00011
▷Quinalbarbitone sodium, *in* Q-00011
Quinaldine blue, *in* E-00190
Quinaldofur, *see* N-00125
▷Quinamin, *in* Q-00028
o-Quinanisole, *in* H-00211
▷Quinanium, *in* Q-00028
Quinapril, *in* Q-00012
Quinaprilat, Q-00012
Quinapril hydrochloride, *in* Q-00012
▷Quinapyramine, *in* A-00207
Quinazopyrine, Q-00013
Quinazosin, Q-00014
Quinazosin hydrochloride, *in* Q-00014
Quinbolone, Q-00015
Quincarbate, Q-00016
Quindecamine, Q-00017
Quindecamine acetate, *in* Q-00017
Quindonium(1+), Q-00018
Quindonium bromide, *in* Q-00018
▷Quindoxin, *see* Q-00031
▷Quine, *in* Q-00028
Quinelorane, Q-00019
Quinercyl, *in* C-00284
Quinespar, Q-00020
▷Quinestradiol, *in* O-00030
▷Quinestradol, *in* O-00030
▷Quinestrol, *in* E-00231
Quinetalate, *in* M-00217
Quinethazone, Q-00021
Quinethyline, *in* C-00574
Quinetolate, *in* M-00217
Quinezamide, Q-00022
Quinfamide, Q-00023
Quingestanol, Q-00024
▷Quingestanol acetate, *in* Q-00024
Quingestrone, Q-00025
Quinicine, Q-00026
▷Quinidex, *in* Q-00027
▷Quinidine, Q-00027
epi-Quinidine, *in* Q-00027
▷Quinidine gluconate, *in* Q-00027
▷Quinidine sulfate, *in* Q-00027
▷Quinine, Q-00028
▷β-Quinine, *see* Q-00027
epi-Quinine, *in* Q-00028
Quinine ascorbate, *in* Q-00028
Quinine ethylcarbonate, *in* Q-00028
▷Quinine sulfate, *in* Q-00028
Quinisocaine, *see* D-00392
▷Quinite, *in* Q-00028
▷Quinocide, Q-00029
▷Quin-o-creme, *see* C-00244
▷Quinol, *see* B-00074
7-Quinolinecarboxylic acid, Q-00030
▷8-Quinolinol, *see* H-00211
▷8-Quinolinol benzoate, *in* H-00211
Quinolor, *see* D-00190
490 Quinone, *see* H-00141
▷Quinophen, *see* P-00206
▷Quinophenol, *see* H-00211
▷Quinosol, *in* H-00211
▷Quinotidine, *in* Q-00027
Quinotoxine, *see* Q-00026
Quinovosamine, *see* A-00240
2-Quinoxalinamine, *see* A-00332
▷Quinoxaline 1,4-dioxide, Q-00031
▷3-(2-Quinoxalinylmethylene)carbazic acid methyl ester N^1,N^4-dioxide, *see* C-00039
▷(2-Quinoxalinylmethylene)hydrazinecarboxylic acid methyl ester *N*,*N'*-dioxide, *see* C-00039
▷Quinoxipra *C*, *in* A-00332
Quinpirole, Q-00032
Quinpirole hydrochloride, *in* Q-00032
Quinprenaline, *see* Q-00033
Quinterenol, Q-00033
Quinterenol sulfate, *in* Q-00033
▷Quintiofos, Q-00034
▷Quintomycin *B*, *see* L-00062
▷Quintomycin *C*, *see* P-00039
▷3-Quinuclidinol, Q-00035
▷10-(3-Quinuclidinylmethyl)phenothiazine, *see* M-00109
Quinuclium, *see* M-00278
▷Quinuclium bromide, *in* M-00278
Quinupramine, Q-00036
Quinuprine, *see* Q-00036
Quinuronium(2+), Q-00037
▷Quinuronium sulfate, *in* Q-00037
Quipazine, *see* P-00286
▷Quipazine maleate, *in* P-00286
Quisqualamine, Q-00038
Quisultazine, Q-00039
Quisultidine, *see* Q-00039
Quixalin, *see* D-00190
Quixalud, *see* D-00190
Quoderm, *in* M-00044
▷Quotane, *in* D-00392
▷QX-314, *in* L-00047
QX 572, *in* C-00072
▷R 5, *see* A-00173
▷R 14, *see* F-00070
▷R 48, *see* B-00198
▷R 52, *in* M-00018
▷R74, *see* R-00068
▷R 100, *in* A-00175
R 108, *see* P-00526
▷R 1132, *in* D-00265
▷R 1303, *see* C-00060
R 1319, *in* D-00265
R 1406, *see* P-00165
▷R 154, *in* B-00431
▷R 1504, *see* P-00213
R 1516, *see* P-00166
R 164, *see* P-00035
▷R1658, *in* M-00432
▷R 1658, *see* M-00433
R 173, *in* C-00479
▷R 1707, *see* G-00027
R1881, *in* H-00161
R 199, *in* B-00202
▷R 1929, *see* A-00503
▷R 2010, *see* N-00219
▷R 2028, *see* F-00130
R 2159, *see* A-00396
▷R 2323, *see* G-00022

R 2453, *see* D-00063
R 2580, *see* T-00410
▷R 2858, *see* M-00463
▷R 2962, *see* A-00343
R 3201, *see* H-00014
R 3248, *see* A-00014
▷R 3345, *see* P-00274
▷R 3365, *see* P-00337
R 3746, *in* C-00145
▷R 381, *in* P-00149
▷R 3959, *see* C-00468
▷R4082, *see* P-00518
▷R 4318, *see* F-00119
R 4444, *see* D-00620
▷R 4584, *see* B-00060
R 4714, *see* O-00117
▷R 4845, *see* B-00149
R 4929, *in* B-00080
R 5020, *see* P-00476
R 5046, *see* C-00380
▷R 5147, *see* S-00115
R 5183, *see* M-00079
R 5188, *see* S-00132
R 5385, *see* A-00047
▷R 548, *see* T-00431
R 5808, *see* S-00117
▷R 616, *see* C-00285
▷R 6109, *see* S-00121
▷R 6238, *see* P-00263
R 6438, *see* A-00401
R-658, *see* B-00434
▷R 694, *see* M-00191
R 714, *see* D-00512
▷R 7158, *see* R-00102
R 7242, *see* D-00269
R7464, *in* P-00509
R 760, *see* F-00113
R 7904, *see* L-00045
R 798, *in* R-00058
▷R 800, *see* F-00056
R 802, *see* F-00155
▷R 805, *see* N-00146
R 807, *in* D-00271
R 8025, *see* A-00413
R 818, *in* F-00114
R 8141, *see* A-00413
R-8193, *see* D-00296
R 8284, *see* P-00453
R 830, *see* P-00429
R 9298, *see* C-00460
R 10100, *see* E-00159
R 10948, *in* D-00140
R 11333, *see* B-00324
R 12563, *in* T-00151
R 13558, *in* D-00265
▷R 13615, *see* M-00057
R 13672, *in* H-00015
R 15403, *see* D-00265
▷R 15454, *in* I-00183
R 15497, *see* G-00014
R 15556, *in* O-00054
R 15889, *in* L-00094
▷R 16341, *see* P-00062
R 16470, *in* B-00080
R 17147, *see* C-00328
▷R 17889, *see* F-00133
▷R 17934, *see* N-00196
R 18910, *see* F-00199
R 19317, *see* R-00072
R 23050, *see* S-00006
R 23633, *in* F-00143
▷R 23979, *see* I-00025
R 24571, *in* C-00017
▷R 25061, *see* S-00274
R 25160, *see* C-00431
R 25540, *in* T-00130
▷R 25831, *see* C-00083
R 26333, *in* T-00130
R 26412, *see* S-00229
R 27500, *in* S-00043
▷R 28096, *see* C-00083
R-28644, *see* A-00494
R 28930, *see* F-00222
R 29764, *see* C-00485
R 29860, *in* N-00166
R 30730, *see* S-00177
R 31520, *see* C-00504
R 33,204, *see* D-00039
R 33799, *in* C-00075
R 33800, *see* S-00177
R 34000, *see* D-00563
R 34,301, *see* H-00012
R 34803, *see* E-00232
R 34995, *in* L-00073
R 35443, *see* O-00094
R 38198, *see* B-00398
R 39209, *in* A-00111
R 39500, *in* P-00033
R 41468, *see* K-00010
R 42470, *see* T-00086
▷R 43512, *see* A-00466
R 46541, *in* B-00324
R 46846, *in* T-00572
R 47465, *see* P-00320
R 50547, *in* C-00001
R 50970, *see* M-00342
R 51211, *see* I-00222
R 51469, *in* M-00391
R 51619, *see* C-00396
R 51726, *see* I-00013
R 52245, *see* S-00058
R-53 200, *in* A-00153
R 53393, *see* B-00392
R 54718, *in* T-00398
R 55667, *see* R-00066
R 56413, *in* S-00036
R 57959, *see* B-00015
R 58425, *in* L-00087
R 58735, *see* S-00001
R 62690, *see* C-00413
R 62 818, *see* L-00095
R 64433, *see* D-00209
R 64766, *see* R-00063
R 65824, *see* N-00057
▷Ra 101, *see* N-00155
▷R-A 233-*BS*, *see* M-00433
Rabalon, *see* P-00225
▷Rabon, *see* T-00107
RA-C-384, *see* I-00105
Racefemine, *in* M-00269
Racefenicol, *in* T-00179
▷Racemalfalan, *in* M-00084
▷Racemethionine, *in* M-00183
Racemethorphan, *in* H-00166
Racemetirosine, *in* A-00273
Racemic acid, *in* T-00028
Racemoramide, *in* M-00437
▷Racemorphan, *in* H-00166
Racenicol, *in* T-00179
Racephenicol, *in* T-00179
▷Racepinefrine, *in* A-00075
Racepinephrine hydrochloride, *in* A-00075
▷Rachelmycin, R-00001
Raclopride, R-00002
Raclopride tartrate, *in* R-00002
Ractopamine, *in* B-00414
Ractopamine hydrochloride, *in* B-00414
▷Radelar, *see* M-00395
▷Radibud, *see* B-00296
▷Radinil, *see* B-00089
▷Radiol, *in* E-00182
▷Radiomiro, *in* I-00095

▷Radiotetrane, *in* T-00142
▷Rafoxanide, R-00003
▷Ragonil, *see* B-00089
▷Ralabol, *in* D-00035
▷Ralgro, *in* D-00035
Ralitoline, R-00004
▷Ralone, *in* D-00035
Raloxifene, R-00005
▷RAM 327, *see* D-00612
▷Rambufaside, *in* D-00319
Ramciclane, R-00006
▷Rametin, *see* N-00042
▷Ramifenazone, R-00007
Ramipril, *in* R-00008
Ramiprilat, R-00008
Ramixotidine, R-00009
Ramnodigin, *in* D-00274
▷Ramycin, *see* F-00303
▷Rancinamycin IV, *see* D-00311
▷Randolectil, *in* B-00394
▷Ranestol, *in* P-00285
▷Ranide, *see* R-00003
▷Raniden, *see* R-00003
Ranimustine, R-00010
▷Ranitidine, R-00011
▷Ranizole, *in* R-00003
▷Ranizole, *in* T-00171
▷Ranocaine, *see* P-00511
Ranolazine, R-00012
▷Rantudil, *see* A-00013
▷Rapamycin, R-00013
▷Rapenton, *see* M-00433
Rapifen, *in* A-00111
Raptalgin, *in* D-00490
Rasaterol, *see* D-00005
▷Raschit (K), *see* C-00256
▷Raspon, *in* I-00199
▷Rastinon, *see* T-00345
Rathyronine, *in* T-00487
Raubasine, *see* A-00087
▷Raugalline, *see* A-00088
▷Raunormine, *see* D-00093
▷Rauwolfine, *see* A-00088
▷Rava, *in* P-00512
▷Ravalgene, *see* N-00155
Ravizol, *in* E-00218
▷Ravocaine, *see* P-00511
▷Ravyon, *in* M-00238
Rayodal, *see* I-00150
▷Rayomiro, *in* I-00095
Rayvist, *in* I-00111
▷Razebil, *see* I-00091
Razinodil, R-00014
Razobazam, R-00015
▷Razoxane, R-00016
▷Razoxin, *see* R-00016
1409 RB, *see* P-00031
▷1489 RB, *see* P-00278
▷RB 1509, *see* L-00083
▷RB 1515, *see* T-00535
1589 RB, *in* N-00214
1604 RB, *in* C-00222
1620 RB, *see* E-00060
RB 1622, *see* I-00043
▷RC 146, *see* N-00095
RC 167, *see* N-00091
RC-172, *in* A-00123
▷RC-173, *in* A-00123
▷RC 61-91, *see* I-00020
▷RC 27109, *see* N-00126
▷RCH 314, *see* B-00110
RCM 258, *see* H-00139
▷RD 1572, *in* D-00132
▷RD 2579, *see* Q-00031
▷RD 2801, *in* P-00589
▷Rd 292, *see* C-00270
RD 328, *in* A-00264
RD 3803, *see* D-00372
RD 406, *see* C-00647
RD 9338, *see* N-00210
▷RD 11654, *see* I-00007
RD 13962, *see* Q-00009
RD 17345, *see* F-00209
RD 20000, *in* D-00348
▷Re 1-0185, *see* E-00019
▷Reactivan, *in* F-00038
Reanimil, *in* D-00377
▷Rebaudin, *in* S-00147
Rebaudioside *A*, *in* S-00147
Rebaudioside *B*, *in* S-00147
Rebaudioside *C*, *in* S-00147
Rebaudioside *D*, *in* S-00147
Rebaudioside *E*, *in* S-00147
Rebeccamycin, R-00017
Reboxetine, R-00018
Rec 1/0060, *in* A-00224
▷Rec 7/0052, *in* F-00109
Rec 7-0267, *in* D-00377
Rec 15/0019, *see* M-00464
▷Rec 15/0122, *see* N-00127
▷Rec 15/0691, *in* T-00250
Rec 15/1476, *in* F-00080
Rec 15-1884, *in* C-00399
Rec 70518, *in* K-00015
▷Rec 710544, *see* K-00015
Rec 15-1884-2, *in* C-00399
Recainam, R-00019
Recainam hydrochloride, *in* R-00019
Recainam tosylate, *in* R-00019
▷Recanescine, *see* D-00093
Receptal, *in* B-00377
Recetan, *see* B-00403
Recidol, *see* P-00545
Reciogan, *see* D-00136
Recipavrin, *in* D-00489
Reclazepam, R-00020
▷Recobilina, *see* M-00436
▷Recofur, *see* N-00127
Recombinant Human Single-Chain Urokinase-type Plasminogen Activator, *see* S-00026
▷Recordil, *see* E-00019
Recoveron, *in* F-00255
▷Rectanol, *see* T-00428
Rectolander, *in* S-00128
Rectovalone, *in* D-00328
▷Red 1427, *see* E-00118
Redden, *see* T-00303
▷Redeptin, *see* F-00223
▷Reducdyn, *see* T-00129
▷Reducterol, *see* B-00148
▷Redu-Pres, *in* D-00033
▷Reelon, *see* P-00349
Ref 185, *see* C-00551
Refagan, *in* M-00035
Reflecta, *see* C-00378
Refosporin, *see* C-00119
▷Refuin, *see* A-00403
Refungine, *see* S-00183
▷Regaine, *see* M-00388
▷Regenasol, *see* N-00044
▷Regenon, *see* D-00240
▷Regitine, *see* P-00175
Reglan, *in* M-00327
Reglipe, *in* C-00456
Regnosone, *in* H-00205
▷Regonol, *in* P-00578
Regoxal, *in* B-00234
▷Regretos, *in* P-00512
▷Regulin "Takeda", *see* T-00102
▷Regulipid, *see* C-00456
▷Regulton, *in* A-00279
Regutensin, *in* T-00148

▷Reichstein's Substance *Fa*, *see* C-00549
Reichstein's Substance *G*, *see* A-00079
▷Reichstein's Substance *H*, *see* C-00546
▷Reichstein's Substance *M*, *see* C-00548
▷Reichstein's substance *Q*, *see* H-00203
▷Reichstein's Substance *S*, *in* D-00349
▷Reichstein's substance *X*, *see* A-00106
Relane, *in* D-00472
Relanol, *in* P-00028
▷Relaspium, *in* T-00558
▷Relaxan, *in* G-00004
▷Relefact-TRH, *see* T-00229
Relenol, *in* P-00028
▷Relicor, *in* E-00134
Relifex, *see* M-00206
Reliveran, *in* C-00456
Relomycin, *see* T-00579
Reltine, *in* P-00295
Relvene, *in* T-00559
Remantadine, *see* A-00063
Remeflin, *in* D-00377
Remestyp (new form), *see* T-00093
▷Remestyp (old form), *see* A-00076
Remimycin, *in* M-00023
Remivox, *in* L-00094
▷Remnos, *see* N-00170
Remoxipride, R-00021
Renactid, *see* G-00025
▷Renafur, *see* N-00115
▷Renanolone, *in* H-00200
▷Renarcol, *see* T-00428
▷Renazide, *see* C-00639
▷Renese, *see* P-00386
Rengyol, *see* H-00131
Reniten, *in* E-00043
Renolin, *see* A-00162
Renoquid, *see* S-00191
▷Ren-O-sal, *see* H-00181
Renosulfan, *see* S-00216
Renotest, *see* A-00217
▷Renovist, *in* D-00138
▷, Renovist, *in* D-00138
▷Renovue, *in* I-00095
Renoxidine, *in* R-00029
Renoxydine, *in* R-00029
Rental, *in* G-00058
Rentiapril, R-00022
▷Renumbral, *in* I-00101
▷Renvisol, *in* D-00370
Renytoline, *see* P-00026
Renzapride, R-00023
▷Reocyl, *in* M-00114
Reoxyl, *in* H-00066
▷Reparil, *in* O-00036
▷Repariven, *in* O-00036
Repirinast, R-00024
▷Repodral, *in* B-00207
▷Repoise, *see* B-00394
▷Reposan, *see* T-00577
▷Repriscal, *in* H-00158
Reprodin, *see* L-00114
Repromicin, R-00025
▷Reproterol, R-00026
▷Reproterol hydrochloride, *in* R-00026
▷Reptilase, *see* B-00017
Resantin, *in* F-00070
Rescaloid, *in* R-00028
Rescidine, *in* R-00028
Rescimetol, R-00027
Rescinnamidine, *in* R-00028
Rescinnamine, *in* R-00028
▷Rescupal, *see* D-00040
▷Resectisol, *in* M-00018
▷Resedinine, *see* A-00304
Reserpic acid, R-00028
▷Reserpidine, *see* D-00093
▷Reserpine, R-00029
ψ-Reserpine, *in* R-00029
Reserpinine, *in* R-00028
Reserpinolic acid, *see* R-00028
▷Reserpoid, *see* R-00029
Reserpoxidine, *in* R-00029
▷Resertene, *see* M-00191
▷Resi, *in* H-00128
▷Resibufogenin, *in* H-00128
▷Resistab, *in* T-00218
▷Resistamine, *in* T-00524
▷Resistomycin, R-00030
▷Resitox, *see* C-00555
▷Resmethrin, R-00031
▷Resochin, *in* C-00284
▷Resolve, *in* D-00623
Resorantel, *in* D-00317
▷Resorcin, *see* B-00073
▷Resorcinol, *see* B-00073
Resorcinol-2-carboxylic acid, *see* D-00317
▷Resorcinol monoacetate, *in* B-00073
▷Resorcinolphthalein, *see* F-00180
γ-Resorcylic acid, *see* D-00317
Respacal, *in* P-00303
▷Respaire, *in* A-00031
▷Respigon, *in* H-00128
▷Respilac, *see* F-00064
▷Respilene, *in* Z-00023
▷Respiride, *in* F-00076
Respirot, *in* C-00566
Respirot, *in* C-00569
▷Resplene, *in* E-00091
Restandol, *in* H-00111
▷Restas, *see* F-00231
▷Restenacht, *in* E-00035
▷Restetal, *see* E-00042
▷Restid, *see* O-00082
▷Restrol, *see* C-00290
▷Re 82-TAD-15, *see* A-00458
Retalon aquosum, *in* B-00220
Retalon-Lingual, *in* B-00220
Retarcyl, *see* H-00115
Retef, *in* C-00548
▷Retelliptine, R-00032
▷Retensin, *in* G-00004
Reteroid, *in* C-00276
▷Retilon, *see* P-00222
Retinoic acid, R-00033
▷Retinol, *see* V-00058
▷Retinol acetate, *in* V-00058
▷Retinol palmitate, *in* V-00058
Retinol propanoate, *in* V-00058
▷Retro-Contray, *in* I-00140
Retroid, *in* C-00276
Retrone, *in* C-00276
▷Retrone 'Merrill', *see* D-00624
Retrovir, *see* Z-00013
▷Rettavate, *in* C-00437
Reublonil, *see* B-00100
▷Reudene, *see* P-00351
▷Reufenac, *see* A-00103
▷Reufinis, *in* C-00455
▷Reumalax, *see* T-00353
▷Reumalon, *see* H-00195
▷Reumartril, *see* H-00195
▷Reumatox, *see* M-00420
▷Reumofene, *see* I-00068
▷Reumoide, *see* H-00120
Reuprosal, *see* P-00510
Reutan, *see* S-00010
▷Reutol, *see* T-00353
REV 2871, *see* E-00008
REV 2906, *see* F-00122
REV 3659, *in* C-00633
REV 6000*A*, *in* D-00051
REV 6000-A (SS), *in* I-00063

Revatrine, *see* V-00027
Revenast, R-00034
▷Reverin, *see* R-00078
Revivon, *in* D-00520
Revospirone, R-00035
Revoxyl, *see* M-00244
▷Rexigen, *in* C-00435
Rexostatine, *see* E-00125
▷Rezacuid, *see* B-00073
▷Rezifilm, *see* T-00149
▷Rezipas, *see* A-00264
RF 46-790, *see* F-00211
RG-1812, *in* P-00427
▷RG 270, *see* I-00120
RGH 1106, *in* P-00277
RGH 2202, *in* P-00389
RGH 2928, *see* D-00552
RGH 2957, *see* B-00192
▷RGH-3332, *see* F-00153
RGH 3395, *see* E-00183
▷RGH 4405, *see* V-00042
RGH 4406, *see* V-00034
RGH 4417, *see* V-00040
▷RH 8, *see* E-00054
RH 565, *see* U-00013
RH 32565, *see* U-00013
3-*O*-Rhamnoglucosyloxycyanidin, *see* K-00009
▷Rhamnol, *in* S-00151
RHC 2871, *see* E-00008
RHC 2906, *see* F-00122
RHC 3659-*S*, *in* C-00633
RHC 3988, *in* C-00259
RHC 5320*A*, *see* C-00163
RHC-G233, *in* B-00334
Rheatrol, *see* D-00265
Rhein, *see* D-00309
▷Rhenocain, *see* H-00104
Rhetine, *see* R-00105
▷Rhetinic acid, *see* G-00072
Rheumacyl, *in* H-00112
Rheumatidermol, *in* H-00112
▷Rheumon, *see* E-00248
▷Rheutrop, *see* A-00013
▷Rhinalar, *see* F-00167
▷Rhinetten, *see* C-00008
Rhino-Benzo, *see* T-00051
Rhinocort, *see* B-00344
Rhinodol, *see* T-00051
▷Rhinoptil, *see* C-00008
▷Rhodallin, *see* P-00496
▷Rhodexin A, *in* T-00473
Rhodexin B, *in* T-00474
Rhodexin C, *in* T-00474
Rhodexin D, *in* T-00474
▷Rhodirubin *E*, *see* M-00022
Rhythminal, *see* X-00012
▷Riabal, *in* P-00430
▷Riacon, *see* A-00252
▷Riadelar, *see* M-00395
▷Rianil, *see* C-00290
▷Riasen, *see* M-00395
RIB 150, *see* D-00159
RIB 222, *see* C-00624
▷Ribamidil, *see* T-00426
Ribaminol, R-00036
▷Ribavirin, *see* T-00426
▷Riboazauracil, *see* A-00514
Ribocitrin, R-00037
Riboflavin butyrate, *in* R-00038
▷Riboflavine, R-00038
▷Riboflavine 5′-(dihydrogen phosphate), *in* R-00038
Riboflavine 2′,3′-di-3-pyridinecarboxylate monodehydrogen phosphate (ester), *in* R-00038
Riboflavine nicotinate, *in* R-00038
Riboflavine 2′,3′,4′,5′-tetrabutanoate, *in* R-00038
Riboflavine 2′,3′,4′,5′-tetra-3-pyridinecarboxylate, *in* R-00038
▷Riboflavine 5′-(trihydrogendiphosphate) 5′→5′-ester with adenosine, *in* R-00038
▷Riboflavin monophosphate, *in* R-00038
▷9-β-D-Ribofuranosyladenine, *see* A-00067
▷1-β-D-Ribofuranosyl-5-azacytosine, *see* A-00496
▷1-(β-D-Ribofuranosyl)-6-azauracil, *see* A-00514
▷9-β-D-Ribofuranosylhypoxanthine, *see* I-00073
7-β-D-Ribofuranosyl-7*H*-imidazo[4,5-*d*]-1,2,3-triazin-4-amine, *see* A-00490
▷9-β-D-Ribofuranosyl-9*H*-purin-6-amine, *see* A-00067
▷9-β-D-Ribofuranosyl-9*H*-purine-6-thiol, *see* T-00204
2-Ribofuranosyl-4-selenazolecarboxamide, R-00039
▷2-β-D-Ribofuranosyl-4-thiazolecarboxamide, *see* T-00246
▷2-β-D-Ribofuranosyl-*as*-triazine-3,5(2*H*,4*H*)-dione, *see* A-00514
▷2-β-D-Ribofuranosyl-1,2,4-triazine-3,5(2*H*,4*H*)-dione, *see* A-00514
▷1-β-D-Ribofuranosyl-1*H*-1,2,4-triazole-3-carboxamide, *see* T-00426
Riboprine, *see* M-00234
▷Ribostamycin, R-00040
▷Ribostamycin sulfate, JAN, *in* R-00040
▷Riboxamide, *see* T-00246
Ricainide hydrochloride, *in* I-00054
Ricamycin, *in* L-00034
▷Rickamicin, *see* S-00082
▷Ricketon, *see* V-00062
▷Ricridene, *see* N-00137
Ridaflone, *see* R-00042
Ridaura, *see* A-00475
Ridazolol, R-00041
Riddobetes, *see* D-00037
Ridiflone, R-00042
▷Ridinol, *see* D-00511
Ridogrel, R-00043
▷Ridzole, *see* R-00084
▷Riedemil, *in* H-00123
Rifabutin, R-00044
▷Rifadin, *see* R-00045
▷Rifal, *see* R-00046
▷Rifamide, *in* R-00047
▷Rifammide, *in* R-00047
▷Rifampicin, R-00045
▷Rifampin, *see* R-00045
▷Rifamycin, R-00046
▷Rifamycin *B*, R-00047
▷Rifamycin M 14, *in* R-00047
▷Rifamycin SV, *see* R-00046
Rifapentine, R-00048
Rifaxidin, *see* R-00049
Rifaximin, R-00049
▷Rifocin, *see* R-00046
▷Rifocin *M*, *in* R-00047
▷Rifomycin *B*, *see* R-00047
▷Rifosten, *see* R-00046
▷Rigecoccin, *see* D-00187
Rigelocan, *in* P-00427
▷Riker 548, *see* T-00431
▷Riker 594, *see* S-00263
▷Riker 601, *see* T-00533
Rilapine, R-00050
Rilaten, *see* R-00071
Rilmazafone, R-00051
Rilmenidine, R-00052
Rilopirox, R-00053
Rilozarone, R-00054
Riluzole, *see* A-00339
▷Rimactane, *see* R-00045
▷Rimadyl, *see* C-00099
Rimagin, *see* R-00055
Rimalcor, *see* A-00341
Rimantadine, *see* A-00063
▷Rimantadine hydrochloride, *in* A-00063
Rimazolium(1+), R-00055
Rimazolium metilsulfate, *in* R-00055
Rimcazole, R-00056

Rimcazole hydrochloride, *in* R-00056
Rimexolone, R-00057
▷Rimidil, *see* C-00099
▷Riminophenazine, *see* C-00450
Rimiterol, R-00058
Rimiterol hydrobromide, *in* R-00058
Rimoprogin, R-00059
Rinidol, *see* T-00051
▷Rinlaxer, *in* C-00261
▷Rintal, *see* F-00021
▷Riodipine, R-00060
Riopan, *see* M-00005
Rioprostil, R-00061
Ripazepam, R-00062
▷Ripirin, *in* E-00035
▷Risatarun, *in* D-00408
▷Rischiaril, *in* D-00408
▷Rise, *see* C-00508
▷Riself, *see* M-00095
▷Risocaine, *in* A-00216
▷Rispasulf, *see* P-00150
Risperidone, R-00063
▷Rispran, *in* C-00071
▷Ristat, *see* H-00181
Ristianol, R-00064
Ristianol phosphate, *in* R-00064
Ristofact, *see* F-00003
Ristomin, *see* E-00192
RIT 1140, *see* A-00423
RIT 356, *in* C-00470
▷Ritalin, *in* R-00065
Ritalinic acid, R-00065
Ritanserin, R-00066
Ritiometan, *see* M-00262
Ritiometane magnesium, *in* M-00262
Ritmalan, *in* C-00322
▷Ritmodan, *see* D-00537
Ritmos, *in* A-00088
Ritmosel, *in* A-00088
▷Ritmusan, *in* A-00429
Ritodrine, R-00067
▷Ritodrine hydrochloride, *in* R-00067
▷Ritopar, *in* R-00067
Ritropirronium bromide, INN, *in* G-00070
▷Ritrosulfan, R-00068
Riv 2093, *see* A-00149
▷Rivanol, *in* D-00130
▷Rivivol, *see* I-00161
▷Rivotril, *see* C-00475
▷Rixamone, *see* A-00033
Rixapen, *in* C-00470
▷Rize, *see* C-00508
▷Rizen, *see* C-00508
▷Rizinsan *A*, *in* G-00073
Rizolipase, *see* P-00011
▷RJ-64, *see* P-00247
RMI 8090*DJ*, *in* Q-00017
▷RMI 9918, *see* T-00088
▷RMI 10238, *in* E-00218
RMI 11270, *see* L-00024
▷RMI 16289, *in* C-00471
▷RMI 16312, *in* C-00471
RMI 17043, *see* E-00062
RMI 71754, *see* A-00260
▷RMI 71782, *see* D-00126
RMI 80029, *see* E-00021
RMI 81582, *see* C-00234
RMI 81968*A*, *in* M-00058
RMI 83027, *see* R-00076
RMI 83047, *see* A-00174
RMI 81182 EF, *in* C-00344
RN-4, *in* R-00038
RN 927, *in* Z-00009
Ro 1-4849, *see* P-00174
▷Ro 1-5130, *in* P-00578
▷Ro 1-5431, *in* H-00166
▷Ro 1-6463, *see* D-00249
▷Ro 1-6794, *in* H-00166
▷Ro 1-7700, *in* L-00038
▷Ro 1-7977, *in* D-00384
▷Ro 1-9334, *see* D-00050
▷Ro 1-9569, *see* T-00102
Ro 2-0404, *see* A-00311
▷Ro 2-2222, *in* T-00498
Ro 2-2453, *see* D-00143
▷Ro 2-2985, *see* L-00011
▷Ro 2-3198, *in* E-00016
▷Ro 2-3248, *in* A-00504
▷Ro 2-3773, *in* C-00425
Ro 2-4969, *see* M-00154
Ro 2-5959, *in* T-00487
Ro 2-7113, *see* A-00133
Ro 2-9009, *in* B-00205
▷Ro 2-9578, *in* T-00500
▷Ro 2-9915, *see* F-00183
▷Ro 3-4787, *see* B-00352
Ro 03-7008, *see* A-00091
Ro 038799, *see* P-00262
▷Ro 4-1634, *see* P-00365
▷Ro 4-3476, *see* S-00200
▷Ro 4-3780, *in* R-00033
▷Ro 4-3816, *in* A-00105
▷Ro 4-4602, *see* B-00064
▷Ro 4-5282, *in* C-00280
▷Ro 4-6467, *see* P-00448
Ro 4-8347, *in* C-00276
▷Ro 5-0831, *see* I-00181
▷Ro 5-2092, *see* D-00069
▷Ro 5-2180, *in* D-00148
▷Ro 5-4023, *see* C-00475
▷Ro 5-4200, *see* F-00168
Ro 5-4864, *see* C-00227
Ro 5-5516, *see* L-00097
▷Ro 5-6574, *in* D-00230
▷Ro 5-9000, *see* A-00403
Ro 5-9754, *see* O-00057
Ro 6-0787, *see* L-00041
Ro 6-4563, *see* G-00033
▷Ro 7-0207, *see* O-00058
▷Ro 7-1554, *see* I-00209
Ro 7-4488, *see* C-00577
▷Ro 7-6102, *see* F-00225
Ro 8-0254, *in* C-00228
Ro 10-1670, *see* A-00041
Ro 10-5970, *see* B-00277
▷Ro 10-7614, *in* D-00270
▷Ro 10-8910, *in* D-00370
▷Ro 10-9070, *see* M-00042
Ro 10-9071, *see* P-00366
▷Ro 10-9359, *in* A-00041
Ro 11-0780, *see* R-00055
Ro 11-1163, *see* M-00415
Ro 11-2465, *see* C-00320
Ro 11-3128, *in* M-00047
▷Ro 11-7891, *see* B-00069
Ro 11-8958, *see* E-00084
Ro 12-0068, *see* T-00073
Ro 12-7024, *see* D-00574
Ro 13-1042, *in* L-00094
Ro 13-5057, *see* M-00197
Ro 13-6438, *see* Q-00005
Ro 13-7652, *in* A-00041
Ro 13-9904, *see* C-00159
Ro 15-0778, *in* T-00059
▷Ro 15-1788, *see* F-00152
Ro 15-8074, *see* C-00126
Ro 16-0521, *see* L-00069
Ro 166028, *see* B-00270
Ro 17-2301, *see* C-00104
Ro 19-5247, *see* C-00153
▷Ro 21-0702, *see* F-00219
Ro 21-3982, *see* C-00426

▷Ro 21-5535, *in* A-00109
Ro 21-5998, *see* M-00068
Ro 21-7634, *see* M-00209
Ro 21-8837, *see* E-00127
Ro 21-9738, *see* D-00595
Ro 22-1319, *in* P-00311
Ro 224839, *see* E-00032
Ro 22-7796, *in* C-00322
Ro-228181, *in* I-00079
Ro 22-9000, *see* A-00110
Ro 23-6240, *see* F-00116
Ro 31-1411, *see* F-00221
Ro 31-2848, *in* C-00343
Ro 31-3113, *see* C-00343
Ro 31-3948, *see* R-00080
Ro 4-0288/1, *see* L-00039
▷Ro 4-1544-6, *see* S-00149
▷Ro 5-081011, *in* T-00448
▷Ro 5-3307/1, *in* D-00033
▷Ro 5-4645/10, *see* C-00557
Ro 5-9110/1, *see* D-00583
RO 7-1986/1, *see* I-00169
Ro 13-8996/000, *see* O-00111
Ro 13-8996/001, *in* O-00111
Ro 14-4767/002, *in* A-00359
▷Ro 20-5720/000, *see* C-00099
Ro-21-6937/000, *see* T-00517
▷Ro 21-8837/001, *in* E-00127
Ro 69098/000, *see* M-00455
▷Roaccutane, *in* R-00033
▷Roacutan, *in* R-00033
Robal, *in* B-00220
Robengatrope, *in* T-00105
▷Robenidine, R-00069
Robenidine hydrochloride, *in* R-00069
Robenz, *in* R-00069
Robenzidene, *in* R-00069
▷Robercaine *R*, *see* O-00106
RoBile, *see* P-00011
Robinul, *in* G-00070
▷Robitussin, *see* G-00095
▷Rocaltrol, *in* A-00109
▷Rocapyol, *see* C-00235
Rocastine, R-00070
Rocastine hydrochloride, *in* R-00070
Rocefin, *in* C-00159
Rocephin, *in* C-00159
▷Rochagar, *see* B-00089
Rociverine, R-00071
▷Rocofin, *in* P-00304
▷Rodalina, *see* P-00496
▷Rodamab, *see* E-00147
▷Rodinal, *see* A-00298
Rodocaine, R-00072
Rodorubicin, *see* C-00665
Rodostene, *in* A-00241
▷Roeridorm, *see* E-00151
Rofelodine, R-00073
Roferon-A, *in* I-00079
Roflurane, *see* B-00321
▷Rogitine, *see* P-00175
▷Rohypnol, *see* F-00168
▷Roimitin, *in* T-00245
▷Roipnol, *see* F-00168
Rokitamycin, *in* L-00034
Rolaids, *in* D-00306
▷Rolazote, *in* P-00597
Roletamide, R-00074
Rolgamidine, R-00075
▷Rolicton, *see* A-00346
▷Rolicyclidine, *see* P-00184
Rolicypram, R-00076
Rolicyprine, *see* R-00076
Rolil, *in* T-00506
Rolipram, R-00077
▷Rolitetracycline, R-00078
Rolitrin, *in* T-00296
▷Rolodine, R-00079
Rolziracetam, *see* D-00302
Romazarit, R-00080
▷Romensin, *in* M-00428
Romergan, *in* P-00478
▷Romicil, *see* O-00035
Romifenone, R-00081
Romifidine, R-00082
▷Romotal, *see* A-00333
▷Rompun, *see* X-00021
Ronactolol, R-00083
▷Rondec, *in* C-00052
▷Rondimen, *in* C-00280
▷Rondomycin, *in* M-00161
Roniacol, *in* P-00573
Ronicol, *in* P-00573
▷Ronidazole, R-00084
Ronifibrate, R-00085
Ronipamil, R-00086
▷Ronnel, *see* F-00039
Ronoprost, *see* O-00060
Ronozol, *see* D-00358
▷Ronyl, *see* A-00306
▷Rootone, *see* N-00044
Ropinirole, R-00087
Ropitoin, R-00088
Ropitoin hydrochloride, *in* R-00088
Ropivacaine, R-00089
Ropizine, R-00090
▷Roquessine, *see* C-00540
Roquinimex, R-00091
Rorifone, *see* M-00307
Rosal, *see* R-00093
▷Rosamicin, R-00092
▷Rosapin, *see* D-00091
Rosaprostol, R-00093
▷Rosaramicin, *see* R-00092
Rosaramicin butyrate, *in* R-00092
Rosaramicin propionate, *in* R-00092
Rosaramicin sodium phosphate, *in* R-00092
Rosaramicin stearate, *in* R-00092
Rosaxacin, *see* A-00051
▷Roscal, *see* D-00557
Rose Bengale B, *see* T-00105
Rose Bengal Sodium, *in* T-00105
Rosterolone, R-00094
Rotamicillin, R-00095
Rothetamine, *see* O-00065
Rotoxamine, *in* C-00052
Rotraxate, R-00096
▷Rowapraxin, *in* P-00304
▷Rowasa, *see* A-00266
▷Rowell, *in* P-00304
▷Roxarsone, *see* H-00181
Roxatidine, R-00097
Roxatidine acetate, *in* R-00097
Roxenan, *in* P-00233
▷Roxenol, *see* C-00235
Roxenone, *see* O-00102
Roxibolone, R-00098
Roxilon, *see* M-00037
Roxilon inject, *in* H-00153
Roxindole, R-00099
Roxithromycin, R-00100
Roxolonium(1+), R-00101
Roxolonium metisulfate, *in* R-00101
▷Roxoperone, R-00102
Royflex, *in* H-00112
▷Royzolon, *in* T-00245
▷Rozevin, *in* V-00032
46 R.P., *see* B-00129
▷RP 2168, *in* D-00082
RP 2254, *see* G-00078
RP 2255, *see* S-00257
▷RP 2259, *see* G-00062

▷RP 2339, *see* A-00402
▷RP 2512, *in* P-00086
2535 RP, *in* H-00058
▷RP 2740, *in* M-00170
2856 R.P., *in* A-00363
▷RP 2921, *see* A-00336
▷RP 3015, *see* D-00412
▷RP 3038, *see* M-00240
▷3554 RP, *in* T-00182
▷RP 3668, *see* S-00093
▷RP 3735, *in* L-00110
▷RP 3854, *see* M-00077
▷4270 RP, *in* P-00597
RP 4482, *see* A-00209
▷RP 4763, *see* E-00147
▷4909 RP, *in* C-00296
▷RP 5171, *in* P-00442
▷RP 5278, *see* S-00162
RP 6171, *see* A-00367
RP 6484, *in* E-00266
RP 6798, *see* D-00066
▷RP 6847, *see* O-00132
▷RP 6870, *see* I-00075
▷RP 7162, *see* T-00516
▷RP 7204, *see* C-00578
7238 RP, *in* M-00182
▷RP 7676, *in* P-00395
▷7843 RP, *in* T-00208
▷RP 7891, *see* G-00063
RP 8228, *in* P-00197
▷RP 8307, *in* O-00052
▷RP 9153, *see* P-00273
▷RP 9159, *see* P-00122
▷RP 9671, *see* N-00227
▷RP 9715, *in* C-00597
▷RP 9955, *in* M-00076
▷RP 9965, *see* M-00332
▷RP 10192, *see* D-00064
▷RP 10248, *see* S-00263
▷RP 10257, *see* T-00533
RP 11614, *see* C-00027
RP 12222, *see* P-00072
RP 12833, *see* C-00495
▷RP 13057, *in* D-00019
RP 13607, *see* C-00510
RP 14539, *see* H-00208
RP 16091, *in* P-00168
17190 RP, *see* P-00539
▷RP 18631, *see* C-00221
RP 19366, *see* P-00302
RP 19551, *in* P-00302
RP 19552, *in* P-00302
19560 RP, *in* A-00241
RP 20517, *see* I-00168
20578 RP, *in* M-00344
▷21679 RP, *in* C-00097
▷RP 22050, *in* D-00019
▷RP 22410, *see* G-00048
▷RP 27267, *see* Z-00037
RP 31264, *see* S-00278
▷RP 32232, *see* S-00078
▷RP 33921, *see* D-00108
▷35972 RP, *see* O-00042
RP 36903, *in* D-00118
RP 37162, *see* S-00273
RP 40639, *see* P-00255
RP 40749, *see* P-00231
RP 42980, *see* C-00157
▷46241 RP, *see* M-00408
RP 48-482, *see* B-00182
▷RS 1044, *see* M-00138
RS 1047, *in* O-00028
RS 1310, *in* D-00054
RS 1320, *in* F-00167
RS 2106, *in* S-00144
R + S 218*M*, *see* A-00125
RS 2208, *in* A-00161
RS 2252, *see* F-00138
RS 2362, *see* P-00452
RS 2386, *see* C-00388
RS 2874, *see* D-00570
RS 3268*R*, *in* H-00185
RS 3694*R*, *in* C-00544
▷RS 3999, *see* F-00167
RS 404, *in* P-00025
RS-4464, *see* T-00452
RS 4691, *see* C-00489
RS 6245, *in* T-00044
RS 6818, *in* I-00201
RS 7540, *see* I-00201
▷RS 8858, *see* O-00108
RS 9390, *see* P-00529
RS 10085, *see* M-00419
RS 21361, *in* I-00036
▷RS 21592, *see* D-00350
RS 37326, *in* A-00393
RS 40584, *see* F-00163
RS 40974, *see* T-00302
RS 43179, *in* C-00257
RS 43285, *in* R-00012
RS 44872, *in* S-00184
RS 49014, *in* T-00041
RS 68439, *in* D-00107
RS 81943, *in* N-00016
RS 82856, *see* L-00063
RS 84043, *see* F-00074
RS 84135, *see* E-00067
RS 85446-007, *in* T-00286
RS 94991-298, *in* N-00010
RS 35887-00-10-3, *in* B-00410
RS-35909-00-00-0, *in* T-00253
RS 37619 00313, *in* K-00019
▷RT 6912, *see* N-00132
RU 1697, *in* T-00410
▷RU 2323, *see* G-00022
RU 486, *see* M-00371
▷RU 15060, *see* B-00099
RU 15350, *see* P-00517
▷RU 15750, *see* F-00119
RU 16999, *see* C-00550
RU 17033, *see* F-00203
RU 18492, *see* I-00224
RU 19110, *in* H-00009
RU 19404, *see* M-00384
RU 19583, *in* C-00456
RU 20201, *see* T-00042
RU 21600, *see* A-00181
RU 21824, *see* P-00036
RU 23908, *see* N-00143
RU 24722, *see* V-00038
▷RU 24756, *in* C-00138
RU 27592, *see* T-00076
RU 28318, *in* O-00144
RU 28965, *see* R-00100
RU 31158, *in* L-00089
RU 38086, *see* B-00018
RU 38486, *see* M-00371
RU 42924, *see* N-00085
Ru 43280, *see* O-00032
RU 44403, *see* T-00396
Rubiazol II, *see* S-00187
▷Rubidazone, *in* D-00019
▷Rubidium chloride, R-00103
▷Rubidomycin, *see* D-00019
▷Rubigen, *see* T-00102
▷Rubimycin, *see* P-00371
▷Rubomycin *C*, *see* D-00019
▷Ruby, *see* H-00021
▷Ruelene, *see* C-00572
Rufai *B*, *in* O-00061
Rufloxacin, R-00104
▷Rufocromomycin, *see* S-00162

▷Rugosin *H*, *see* C-00223
Rumatral, *see* A-00144
▷Rumensin, *in* M-00428
Ruptalgor, *in* A-00290
Ruscogenin, *in* S-00128
Ruscorectal, *in* S-00128
Rutaecarpine, R-00105
▷Rutamycin, *see* O-00037
Rutamycin B, *in* O-00037
▷Rutin, R-00106
▷Rutoside, *see* R-00106
▷Ruvazone, R-00107
Ruven, *see* T-00559
RV 12128, *see* M-00362
▷RV 12165, *see* D-00056
▷RX 67408, *see* D-00199
RX 71107, *see* D-00398
RX 781094, *in* D-00280
RX 285M, *see* C-00646
Ryania Diterpene ester A, *in* R-00108
Ryania Diterpene ester B, *in* R-00108
Ryania Diterpene ester C_1, *in* R-00108
Ryania Diterpene ester D, *in* R-00108
▷Ryanodine, R-00108
▷Rycovet, *see* O-00109
▷Rycovet-Nupor, *see* P-00213
Rydar, *see* D-00472
▷Ryegonouin, *in* M-00254
Rymazolium, *see* R-00055
▷Rynacrom, *in* C-00565
▷Ryodipine, *see* R-00060
▷Ryosidine, *see* R-00060
▷Ryotol, *see* N-00169
Rythmatine, *in* M-00093
▷Rythmodan, *see* D-00537
Rythmol, *in* P-00486
Rytmonorm, *in* P-00486
▷S 46, *see* P-00153
▷S-67, *see* A-00054
▷S 1210, *in* R-00029
▷S 1290, *see* C-00369
S 1320, *see* B-00344
▷S 1530, *see* N-00147
▷S 1540, *in* B-00241
S 1541, *in* C-00537
S 1574, *see* T-00240
▷1600S, *see* M-00146
▷S 1702, *see* G-00037
▷S 1752, *see* F-00078
▷S 1942, *see* B-00316
▷S-210, *see* M-00453
S222, *see* D-00545
S 2395, *see* T-00097
S 2539, *see* P-00169
▷S 2620, *see* A-00139
▷S 314, *see* F-00301
S 3341, *see* R-00052
S 350, *see* B-00401
S 3760, *in* S-00144
▷S 4105, *see* M-00055
S 4216, *see* P-00307
▷S 438, *see* B-00247
▷S 464, *in* I-00159
S 486, *see* N-00094
S 5521, *see* T-00414
▷S 567, *see* H-00206
▷S5614, *in* F-00050
S-596, *in* A-00447
S 604, *in* C-00249
▷S 640*P*, *see* C-00117
7432-S, *see* C-00155
▷S 805, *see* L-00106
▷S-8527, *see* C-00429
▷S940, *see* N-00042
S 9490, *in* P-00123
▷S9700, *in* P-00512
S 9780, *see* P-00123
S 992, *in* B-00050
▷S 2-127, *see* H-00145
▷S 9-888, *in* X-00004
10275 S, *see* E-00086
▷10364-S, *see* M-00100
S 14750*A*, *see* A-00101
S 25930, *see* I-00002
S-32-468, *in* S-00119
S 44328, *in* P-00547
S 50022, *see* G-00025
S 73 0740*B*, *see* T-00331
▷S 734118, *see* P-00323
▷S 746766, *see* B-00377
▷S 7481/*F1*, *in* C-00638
S 770777, *see* P-00410
S 792892*A*, *see* T-00279
▷S40045-9, *see* M-00151
SA 79, *in* P-00486
▷SA 96, *in* B-00337
▷S 99A, *in* S-00123
▷Sa 267, *in* D-00480
SA 446, *in* R-00022
SA 4427, *see* A-00233
▷SA 504, *in* T-00284
SA 85530*b*, *see* A-00500
Sabeluzole, S-00001
Sabromin, *see* B-00331
▷Saccharin, S-00002
▷Saccharin calcium, *in* S-00002
▷Saccharin sodium, *in* S-00002
▷Sacox, *see* S-00017
▷Sacromycin, *see* A-00187
▷Safe-Guard, *see* F-00037
▷Safepen, *in* C-00074
▷Safitex, *see* T-00353
Safra, *in* S-00003
▷Safrazine, S-00003
▷Safrole, *see* A-00131
▷Sagamicin, *in* G-00018
SaH 42-348, *see* L-00046
SaH 46-790, *see* F-00211
Saipeimine, S-00004
▷SAIsan, *see* D-00601
▷Salacetamide, *see* A-00033
Salafibrate, S-00005
Salantel, S-00006
Salazodimethoxine, S-00007
Salazodimidine, *see* S-00011
Salazodine, S-00008
▷Salazolon, *in* D-00284
Salazopyridazine, *see* S-00008
▷Salazopyrin, *see* S-00253
Salazosulfadimidine, *see* S-00011
Salazosulfamide, S-00009
Salazosulfapyridazine, *see* S-00008
▷Salazosulfapyridine, JAN, *see* S-00253
Salazosulfathiazole, S-00010
Salazosulphadimidine, S-00011
Salazothiazole, *see* S-00010
▷Salbutamol, S-00012
▷Salbutamol hemisulfate, JAN, *in* S-00012
Salcatonin, S-00013
▷Salcolex, USAN, *in* H-00112
▷Salcostat, *in* M-00246
▷Saldoren, *in* D-00284
Saletamide, *see* D-00237
Salethamide, *see* D-00237
Salethamide maleate, *in* D-00237
▷Sal ethyl, *in* H-00112
Salfluverine, S-00014
▷Salfuride, *in* N-00132
▷Salicain, *see* H-00104
▷Salicain, *see* H-00116
▷Salicresin, *see* C-00247
▷Salicyclic acid dihydrogen phosphate, *see* P-00217

Salicyclic acid ethyl ester, diethyl phosphate, *in* P-00217
▷Salicyclic acid methyl ester, *see* M-00261
▷Salicyl, *see* A-00033
▷Salicyl alcohol, *see* H-00116
▷Salicylamide, *in* H-00112
Salicylamidophenazone, *see* A-00416
Salicylanilide, *in* H-00112
▷Salicylanilide 3,4′-dibromo-5-chlorothioacetate, *see* B-00328
Salicylanilide *N*-methylcarbamate, *see* A-00389
Salicylazosulfadimidine, *see* S-00011
Salicylazosulfamethazine, *see* S-00011
Salicylazosulfamethoxypyridazine, *see* S-00008
▷Salicylazosulfapyridine, *see* S-00253
Salicylazosulfathiazole, *see* S-00010
▷Salicylic acid, *see* H-00112
▷Salicylic acid acetate, *see* A-00026
▷Salicylic acid acetate 4′-hydroxyacetanilide ester, *see* B-00057
▷Salicylic acid bimolecular ester, *see* S-00015
Salicylic acid methyl ether, *see* M-00196
▷Salicylic acid 5-sulfonic acid, *see* H-00214
Salicyl morpholide, *see* H-00115
Salicylo-*p*-phenetidide, *see* E-00170
4-Salicyloylmorpholine, *see* H-00115
▷Salicyloylsalicylic acid, S-00015
Salicylphenetidin, *see* E-00170
▷Salicylsalicylic acid, *see* S-00015
Salifebrin, *in* H-00112
▷Saligenin, *see* H-00116
▷Saligenol, *see* H-00116
Saliment, *in* H-00112
Salimethyl, *in* H-00112
▷Salimid, *see* C-00630
Salinazid, S-00016
Saliniazid, *see* S-00016
Salinidol, *in* H-00112
▷Salinomycin, S-00017
Saliphen, *see* E-00170
▷Saliphenazone, *in* D-00284
▷Salipyrazolon, *in* D-00284
▷Salipyrine, *in* D-00284
Salisburystin, *see* P-00089
Salizid, *see* S-00016
▷Salizol, *in* D-00284
Salizolo, *in* H-00112
Salmaterol, *see* S-00019
Salmefamol, S-00018
Salmester, *in* H-00112
Salmeterol, S-00019
Salmisteine, *in* A-00031
▷Salmocid, *see* P-00385
▷Salmotin, *see* P-00066
Salochimin, *in* Q-00028
Salocolum, *in* H-00112
▷Salofalk, *see* A-00266
Salophen, *in* H-00112
Saloquinine, *in* Q-00028
Salosept, *see* S-00009
Salprotoside, S-00020
Sal-Rub, *in* H-00112
▷Salsalate, *see* S-00015
Salsalate acetate, *in* S-00015
Salsoline, *see* T-00117
▷Salstan, *in* H-00112
▷Salt 1123, *see* C-00411
▷Saltron, *in* C-00215
Saltucin, *see* B-00401
▷Saluric, *see* C-00288
▷Salurilo *C*, *see* C-00630
▷Salurin, *in* M-00122
▷Saluron, *see* H-00099
▷Saluside, *see* O-00051
▷Saluzid, *see* O-00051
▷Salvacarol, *see* D-00254
Salvadourea, *see* B-00226
▷Salvarsan, S-00021
▷Salverine, *see* D-00232
Salvisol, *in* B-00202
Salvizol, *in* B-00202
Salvoseptyl, *see* S-00257
▷Salyrgan, *in* M-00122
▷SAM, *in* A-00068
Sambucin, *see* K-00009
▷Samet, *in* A-00068
Samorin, *in* I-00191
▷Samyr, *in* A-00068
Sanabolicum, *in* H-00185
Sanaboral, *see* O-00152
▷Sanamycin, *see* A-00054
▷Sancos, *see* P-00212
Sancycline, *see* D-00065
▷Sandimmune, *in* C-00638
▷Sandolanid, *in* D-00275
▷Sandomigran, *in* P-00368
Sandopart, *see* D-00030
Sandopral, *see* D-00030
▷Sandoptal, *see* B-00386
Sandostatin, *see* O-00025
Sandosten, *in* T-00163
▷Sandril, *see* R-00029
Sandwicine, *in* A-00088
▷Sanegyt, *in* G-00111
▷Sanguinarine, S-00022
▷Sanigal, *see* M-00430
▷Sanlephrin, *in* A-00272
▷Sanochrysine, *see* S-00084
▷Sanoflavin, *see* D-00120
▷Sanorex, *see* M-00029
Sansalid, *see* U-00013
▷Sansert, *in* M-00315
▷Santalgesic, *see* B-00386
▷Santarycin, *see* R-00046
▷Santavy's Substance F, *see* D-00062
▷Santemycin, *in* G-00018
▷Santenol, *in* D-00492
▷Santheose, *see* T-00166
▷Santochin, *see* M-00240
▷Santophen I, *see* B-00109
▷Santoquine, *see* M-00240
▷Sanulcer, *see* H-00067
▷Sanulcin, *in* I-00199
▷SAP 113, *see* N-00118
▷Sapecron, *see* C-00203
▷Sapem, *see* P-00194
▷SAPEP, *see* E-00155
▷Sapilent, *see* T-00516
Saracodine, *in* P-00416
Saralasin, S-00023
▷Saralasin acetate, *in* S-00023
▷Sarcocide, *see* D-00556
▷Sarcocide *B*, *see* M-00430
▷Sarcoclorin, *in* M-00084
Sarcolactic acid, *in* H-00207
Sarcolysin, *see* M-00084
▷Sarcosan, *in* H-00109
▷Sarenin, *in* S-00023
▷Sargam, *see* B-00099
▷Saritron, *see* T-00479
Sarmazenil, S-00024
▷Sarmentocymarin, *in* T-00473
▷Sarmentogenin, *in* T-00473
Sarmoxicillin, *in* O-00104
▷Sarnovide, *in* T-00473
Sarocol, *in* H-00112
▷Saroten, *in* N-00224
Sarpicillin, *in* H-00035
▷Sarracine, S-00025
Sarracine N-oxide, *in* S-00025
Saruplase, S-00026
SAS 1310, *see* N-00106

SAS 521, *in* H-00222
▷SAS 650, *see* F-00295
▷SAS 693, *see* D-00593
Saterinone, S-00027
Satranidazole, S-00028
Savapyrin, *see* D-00121
▷Savenna, *in* R-00031
▷Savlon, *in* C-00206
Savoxepin, S-00029
Saxifragin, *in* P-00082
▷Saxin, *see* S-00002
▷Sb 58, *see* S-00149
▷SB-5833, *see* C-00019
SBW-22, *see* K-00018
▷SC 1627, *see* D-00412
SC 1674, *see* F-00121
SC 2644, *see* C-00606
▷SC 3497, *see* A-00291
▷SC-4641, *see* N-00225
▷SC 6393, *see* A-00132
▷SC 7105, *in* P-00129
SC 7294, *see* P-00500
▷SC 7525, *in* O-00029
SC 8246, *see* C-00467
SC 9369, *see* P-00165
SC 9376, *see* C-00027
▷SC 9387, *see* P-00273
▷SC 9794, *see* P-00282
▷SC 9880, *in* F-00150
▷SC 11585, *see* O-00086
▷SC 11800, *in* E-00227
▷SC 12350, *in* N-00165
SC 12937, *see* A-00495
SC 13504, *see* R-00090
▷SC 14266, *in* H-00186
SC 16148, *in* H-00111
SC-18862, *see* A-00460
SC 19198, *in* M-00346
SC 21009, *see* N-00217
SC 23992, *in* P-00524
SC 25469, *see* P-00265
SC 26096, *see* M-00277
SC 26100, *in* D-00264
SC 26304, *see* D-00208
SC 26438, *see* P-00348
SC 27123, *in* O-00026
▷SC 27166, *see* N-00232
SC 27761, *in* P-00399
SC-29333, *see* M-00396
SC 31828, *see* D-00535
▷SC 32840, *see* O-00078
SC 33643, *see* B-00033
SC 33963, *see* R-00020
SC 34301, *see* E-00057
SC 35135, *in* E-00013
SC 36602, *in* D-00558
SC 38390, *in* Z-00021
SC 39026, *see* C-00246
SC 41156, *see* D-00388
▷Scabexan, *in* T-00193
Scabexol, *in* T-00193
Scandine, *see* I-00005
▷Scapuren, *in* L-00110
SCE 129, *see* C-00150
SCE 1365, *see* C-00130
▷SCE 963, *in* C-00140
SCF 16046, *see* A-00394
Sch 2544, *in* C-00593
Sch 3444, *in* P-00028
▷Sch 412, *see* M-00173
Sch 5350, *see* D-00177
▷Sch 5706, *see* F-00033
Sch 6620, *in* P-00412
▷Sch 6673, *in* A-00025
Sch 7056, *in* H-00071
▷Sch 10159, *in* T-00450
▷Sch 10304, *see* C-00479
Sch 10595, *in* B-00432
▷Sch 10649, *in* A-00512
Sch 11572, *in* M-00049
Sch 11973, *see* T-00389
▷Sch 12041, *see* H-00003
Sch 12149, *see* P-00047
Sch 12169, *in* C-00505
Sch 12650, *in* D-00022
Sch 12679, *in* T-00412
Sch 12707, *in* C-00479
Sch 13166, *see* D-00572
Sch 13430, *see* M-00070
▷Sch 13521, *see* F-00224
▷Sch 14342, *see* G-00017
Sch 14714, *see* F-00169
▷Sch 14947, *see* R-00092
Sch 15280, *in* A-00501
Sch 15427, *see* A-00062
Sch 15507, *see* D-00578
Sch 15698, *see* F-00118
▷Sch 16134, *see* Q-00004
Sch 16524, *see* R-00025
Sch 17894, *in* R-00092
Sch 18667, *in* R-00092
Sch 19741, *in* T-00526
Sch 19927, *in* L-00001
▷Sch 20569, *see* N-00078
▷Sch 21420, *in* G-00017
Sch 21480, *see* T-00309
Sch 22219, *in* A-00104
▷Sch 22591, *see* P-00099
Sch 25298, *see* F-00124
Sch 28316*Z*, *see* I-00056
Sch 29851, *see* L-00092
Sch 30500, *in* I-00079
Sch 31353, *in* D-00111
Sch 31846, *in* I-00063
Sch 32088, *in* M-00426
Sch 32481, *see* N-00079
SCH 33844, *in* S-00118
Sch 39720, *see* C-00155
Scha 306, *see* C-00383
Scherisolon solubile, *in* P-00412
Schistomide, *see* A-00367
Schizophyllan, S-00030
▷Scillacrist, *in* D-00319
▷Scillaren A, *in* D-00319
▷Scillarenin, *in* D-00319
Scinnamina, *in* R-00028
3,4,15-Scirpenetriol, *see* A-00386
Scleramin, *in* E-00003
Sclerorein, *see* P-00380
▷Sclerovit, *see* B-00179
▷Scolaban, *in* B-00359
▷Scopamin, *in* S-00031
▷Scopoderm, *see* S-00031
▷Scopolamine, S-00031
▷Scopolamine butyl bromide, *in* S-00031
▷Scopolamine ethobromide, *in* O-00123
▷Scopolamine hydrobromide, *in* S-00031
▷Scopoletin, *see* H-00148
▷Scopoline tropate, *see* S-00031
▷Scopos, *in* S-00031
Scotine, *in* C-00553
ScuPA, *see* S-00026
▷Scuroform, *in* A-00216
SD 25, *see* D-00235
SD 25, *see* S-00285
▷SD 1601, *in* M-00435
▷SD 3447, *see* T-00107
SD 735, *see* M-00429
▷SD 7859, *see* C-00203
SD 104-19, *in* P-00520
SD 1223-01, *see* T-00403
SD 1248-17, *in* T-00550

SD 149-01, *see* F-00046
SD 14112, *in* C-00286
SD 15803, *see* D-00205
▷SD 17102, *see* M-00319
▷SD 19050, *see* T-00342
▷SD 210-32, *see* C-00617
SD 2102-18, *in* T-00419
▷SD 218-06, *see* M-00061
SD 2124-01, *see* P-00451
SD 2203-01, *see* C-00554
SD 270-07, *in* O-00090
SD 270-31, *in* O-00077
▷SD 271-12, *in* C-00435
▷SD 27115, *in* F-00291
SD 286-03, *see* C-00616
SE 5007, *in* T-00174
▷SE 5023, *see* A-00139
SE 711, *see* P-00307
▷SE 780, *see* B-00050
▷Sebacil, *see* P-00221
Sebaclen, *in* X-00010
▷5,5′-(Sebacoyldiimino)bis[2,4,6-triiodo-*N*-methylisophthalmic acid, *see* I-00134
Sebaklen, *in* X-00010
▷Sebatrol, *see* F-00224
▷Secbutabarbital, *see* B-00380
▷Secbutobarbitone, *see* B-00380
Secholex, *in* P-00379
Seclazone, S-00032
▷Seclin, *in* D-00276
Secnidal, *see* H-00208
Secnidazole, *see* H-00208
▷Secobarbital, *see* Q-00011
▷Secobarbital sodium, *in* Q-00011
▷Secobarbitone, *see* Q-00011
9,10-Seco-5*Z*,7*E*,10(19)-cholestatriene-3β,25-diol, *see* H-00221
(5*Z*,7*E*)-9,10-Secocholesta-5,7,10(19)-triene-1α,3β-diol, *see* A-00109
▷9,10-Seco-5*Z*,7*E*,10(19)-cholestatrien-3β-ol, *see* V-00062
▷9,10-Secoergosta-5,7,10(19),22-tetraen-3-ol, *see* C-00012
▷9,10-Secoergosta-5,7,22-trien-3-ol, *see* D-00304
9,10-Seco-5*Z*,7*E*,10(19)-ergostatrien-3β-ol, *see* V-00063
▷Seconal sodium, *in* Q-00011
Secoverine, S-00033
▷Secrebil, *see* P-00310
Secrepan, *see* S-00034
Secretin, S-00034
▷Secrosteron, *see* D-00393
Securinan-11-one, *see* S-00035
Securinine, S-00035
Securopen, *see* A-00529
▷Sedaform, *see* T-00440
▷Sedalande, *see* F-00130
▷Sedalxir, *in* P-00101
▷Sedamyl, *see* A-00007
▷Sedantoinal, *see* M-00188
Sedantole, *in* C-00525
▷Sedapain, *in* E-00097
▷Sedaperone, *see* A-00503
Sedasma, *in* O-00053
Sedatoss, *see* F-00027
▷Sedecamycin, *in* B-00362
Sedobion, *in* S-00259
▷Sedocaine, *in* A-00374
▷Sedosil, *see* P-00257
Sedotosse, *see* I-00177
▷Sedufen, *in* F-00062
▷Seffein, *in* M-00238
▷Sefril, *see* C-00180
▷Segamol, *see* F-00064
Seganserin, S-00036
Seglitide, *see* C-00592
Seglitide acetate, *in* C-00592
▷Segontin, *see* P-00423
Seki, *in* C-00482
Sekretolin, *see* S-00034
▷Selacryn, *see* T-00258
Selbex, *see* T-00078
▷Seldane, *see* T-00088
Selecidin, *see* P-00366
Selectren retard, *in* F-00208
Selectren soluble, *in* F-00208
▷Seleen, *see* S-00037
Selegiline, *see* D-00449
Selenazofurin, *in* R-00039
▷Selenium sulfide, S-00037
▷Selenomethionine, S-00038
Selenomethionine 75 SE, INN, JAN, *in* S-00038
▷Selepam, *see* Q-00004
Selexid, *see* P-00366
Selezen, *in* H-00112
4(15),7(11)-Selinadien-8-one, *see* E-00268
Sellagen, *see* M-00011
Selprazine, S-00039
▷Selsun, *see* S-00037
▷Selva, *see* V-00057
Selvignon, *see* P-00275
Selvigon, *see* P-00275
▷Selvimidine, *see* Z-00031
▷Semap, *see* P-00062
Sematilide, S-00040
Semicid, *see* N-00206
▷Semikon, *see* M-00171
Semisodium valproate, *in* P-00516
▷Semustine, S-00041
Senecioylsulfanilamide, *see* S-00192
Sennidin, S-00042
Sennoside *A*, *in* S-00042
Sennoside *A′*, *in* S-00042
Sennoside *B*, *in* S-00042
Sennoside *C*, *in* S-00042
Sennoside *D*, *in* S-00042
Sennoside *E*, *in* S-00042
Sennoside *F*, *in* S-00042
Sennoside *G*, *in* S-00042
▷Senomen, *in* H-00191
Sensit, *in* F-00044
Sensor, *in* F-00103
▷Sensorad, *see* M-00250
▷Sensorcaine, *see* B-00368
Sepacron, *in* B-00202
▷Sepadin, *see* C-00272
Sepatren, *in* C-00143
▷Sepazon, *see* C-00517
Sepazonium(1+), S-00043
Sepazonium chloride, *in* S-00043
▷Seperidol hydrochloride, *in* C-00460
Seponver, *see* C-00504
▷Sepsoral, *see* A-00166
Septamid, *in* C-00289
Septazine, *see* B-00129
Septichen, *see* B-00340
Septimax, *see* G-00056
▷Septiphene, *see* B-00109
▷Septochol, *in* D-00321
Septocillin, *in* P-00171
▷Septotan, *see* H-00094
▷Septotence, *see* P-00153
▷Septural, *see* P-00349
▷Sequestrene, *see* E-00186
▷Sequestrene *NA* 3, *in* E-00186
Sequifenadine, S-00044
▷SER, *see* S-00050
Seractide, S-00045
Seractide acetate, *in* S-00045
▷Seragen, *in* H-00096
▷Seranace, *see* H-00015
▷Serax, *see* O-00096
▷Serazide, *see* B-00064
Serbose, *see* G-00074
Serc, *in* M-00220

Sercloremine, *see* C-00217
Sercloremine hydrochloride, *in* C-00217
▷Serecor, *in* Q-00027
Serefrex, *see* K-00010
▷Serelan, *in* M-00360
▷Serenal, *see* O-00098
▷Serenesil, *see* E-00151
▷Serenid-*D*, *see* O-00096
Serenium, *in* D-00131
Serenone, *in* B-00080
Serentil, *in* M-00134
Serentin, *in* P-00504
Serfibrate, S-00046
Sergetyl, *in* E-00266
Sergolexole, S-00047
▷Sériel, *see* T-00342
▷Serine *O*-diazoacetate, *see* A-00509
▷Serine diazoacetate ester, *see* A-00509
Serine dihydrogen phosphate, *see* P-00220
1-D-Serine-17-L-lysine-18-L-lysinamide-$\alpha^{1\text{-}18}$-corticotropin, *see* C-00524
1-D-Serine-4-L-norleucine-25-L-valinamide-$\alpha^{1\text{-}25}$-corticotropin, *see* P-00075
4-L-Serinepepstatin *A*, *in* P-00109
▷Serine 2-(2,3,4-trihydroxyphenyl)methylhydrazide, *see* B-00064
Serinfosfan, *in* P-00220
Seristan, *see* P-00271
▷Sermaka, *see* F-00215
Sermetacin, S-00048
▷Sermion, *see* N-00089
▷Sermix, *see* R-00029
Sermorelin, S-00049
▷Sernyl, *see* P-00183
▷Sernyl, *in* P-00183
▷Sernylan, *in* P-00183
▷Serocral, *see* I-00020
Seromycin, *see* A-00277
Serophen, *in* P-00220
▷Serotonin, *see* H-00218
▷Serotonyl, *in* H-00219
Serotropin, *see* S-00053
▷Serpasil, *see* R-00029
▷Serrapeptase, S-00050
▷Serratiopeptidase, *see* S-00050
Sertaconazole, S-00051
Sertal, *see* P-00035
Sertraline, S-00052
Sertraline hydrochloride, *in* S-00052
Serum gonadotrophin, S-00053
Serum prothrombin conversion accelerator, *see* F-00002
Serum thymic factor, S-00054
Seryl-β-MSH, *in* M-00075
▷*N*-(Seryl)-*N'*-(2,3,4-trihydroxybenzyl)hydrazide, *see* B-00064
▷Sesden, *in* T-00284
Sesquicillin, S-00055
Setastine, S-00056
Setazindol, S-00057
Sethotope, *in* S-00038
▷Sethyl, *in* H-00082
Setiptiline, *see* T-00123
Setoperone, S-00058
Sevitropium(1+), S-00059
Sevitropium mesilate, *in* S-00059
Sevoflurane, *see* H-00047
Sevopramide, S-00060
▷Sevrium, *in* E-00218
SF 1854, *in* F-00252
SF 2052, *see* D-00002
▷SF 277, *in* D-00309
▷SF 337, *see* A-00247
▷SF 572, *see* M-00120
▷SF 733, *see* R-00040
▷SF 767*A*, *see* L-00062
▷SF 837A_1, *see* P-00371
SF 86-327, *see* T-00081
SF 2080A, *see* D-00197
SF 973A, *see* A-00002
▷SF 767B, *see* P-00039
SF 973B, *in* A-00002
▷Sfericase, S-00061
SG 75, *see* N-00102
▷SG 4341, *in* H-00185
SGB 1534, *in* M-00213
SGB 483, *see* E-00201
Sgd 6-75, *in* B-00023
Sgd 101-75, *in* I-00051
▷Sgd 14480, *see* F-00210
Sgd 19578, *see* F-00149
Sgd 24774, *in* B-00023
Sgd 33374, *in* E-00055
S-GI, *in* T-00481
▷SH 100, *in* O-00089
SH 1040, *see* G-00020
SH 1051, *in* G-00036
SH 263, *in* D-00613
SH 419, *see* I-00115
SH 489, *see* M-00223
▷SH 567, *in* M-00178
▷SH 582, *in* G-00023
SH 601, *in* M-00178
▷SH 714, *in* C-00651
SH 741, *in* C-00466
▷SH 742, *see* F-00175
SH 770, *in* F-00175
SH 818, *in* C-00444
SH 863, *in* C-00444
▷SH 926, *see* I-00095
SH 968, *in* D-00270
▷SH 30858, *see* F-00033
SH 31168, *see* G-00040
SH 60723, *see* M-00137
▷SH 80714, *in* C-00651
Sharmone, *in* H-00205
▷SHB 286, *see* S-00261
SHB 331, *see* G-00021
SHCH 431, *see* S-00170
SHE 199, *in* E-00251
SHG 318*AB*, *see* S-00048
SH H 239 AB, *see* I-00135
SHH 248AB, *in* D-00138
Shihunine, S-00062
▷Shimoburo base I, *see* S-00100
Shiosol, *in* M-00115
▷SHK 183, *in* D-00270
▷SHK 203, *in* F-00174
▷SHM, *see* S-00124
Shup, *in* F-00066
SI 23548, *see* S-00066
Siagoside, S-00063
▷Sibiromycin, S-00064
Sibutramine, S-00065
Siccanin, S-00066
Sicorten, *see* H-00010
Siderin, *in* D-00332
▷Sidnofen, *in* F-00086
▷Sieromicin, *see* M-00096
▷Sigmacef, *see* P-00363
Sigmart, *see* N-00102
Siguazodan, S-00067
Silain, *in* D-00390
Silandrone, *in* H-00111
Silibinin, *see* S-00069
Silicicolin, *in* D-00083
Silicicolin *B*, *in* D-00083
Silicristin, *see* S-00070
Silidianin, *see* S-00071
Silital, *in* C-00249
Silodrate, *see* S-00072
▷Silomat, *in* C-00438
▷Silo San, *see* P-00330

Siloxyl, *in* D-00390
▷Silvadene, *in* S-00237
▷Silver nitrate, S-00068
▷Silver sulfadiazine, *in* S-00237
Silybin, S-00069
Silybum substance *E*6, *see* S-00069
Silychristin, S-00070
Silydianin, S-00071
Silymarin, *see* S-00069
Silymarin II, *see* S-00070
Silymonin, *in* S-00071
Simaldrate, S-00072
Simethicone, *in* D-00390
▷Simetride, S-00073
▷Simfibrate, S-00074
▷Simpalon, *see* S-00286
▷Simpla, *in* D-00203
▷Simplotan, *see* T-00293
Simtrazene, *see* D-00429
Simvastatin, S-00075
SIN I, *see* L-00052
▷Sinaclin, *see* F-00167
Sinapine, S-00076
▷Sinarest, *in* A-00308
▷Sinaxar, *see* S-00169
Sincalide, S-00077
▷Sincalin, *see* C-00308
▷Sinceral, *in* C-00456
▷Sinderesin, *see* I-00158
Sindol, *in* Z-00035
▷Sinefungin, S-00078
▷Sinemet, *in* A-00248
▷Sinemet, *in* C-00050
▷Sineptine, *in* L-00032
▷Sinfibrex, *see* S-00074
Singletin, *see* A-00227
▷Singoserp, *see* S-00287
▷Sinkalin, *see* C-00308
Sinlestal, *see* P-00445
▷Sinografin, *in* D-00138
▷Sinografin, *in* I-00097
▷Sinomenine, S-00079
Sinomin-acetyl, *in* S-00244
Sinorytmal, *in* T-00352
▷Sinos-active substance, *in* A-00232
Sinostemonine, S-00080
▷Sinovial, *see* P-00041
Sinovul, *see* A-00109
Sintestrol, *in* B-00220
▷Sinthrone, *see* N-00105
Sintiabil, *see* C-00336
▷Sintofene, *see* H-00195
Sintofolin, *in* B-00220
Sintomodulina, *see* T-00225
▷Sintrom, *see* N-00105
Sintropium(1+), S-00081
Sintropium bromide, *in* S-00081
▷Sinutab, *in* A-00272
Siomart, *see* N-00102
▷Sipasyl, *in* D-00235
Sipcar, *see* N-00229
▷Siplaril, *see* F-00198
▷Siplarol, *see* F-00198
Sirdalud, *see* T-00330
Siseptin, *in* S-00082
▷Sisomicin, S-00082
Sisomicin sulfate, JAN, *in* S-00082
Sisotek, *in* D-00111
▷Sissomicin, *see* S-00082
Sissotrin, *in* D-00330
Sistalcin, *in* D-00490
Sistalgin, *in* D-00490
Sisunine, *in* T-00374
▷Sitilon, *see* T-00129
Sitofibrate, *in* S-00151
Sitogluside, *in* S-00151
Sitoindoside I, *in* S-00151
Sitoindoside II, *in* S-00151
▷β-Sitosterol, *in* S-00151
γ-Sitosterol, *in* S-00151
Situalin, *in* D-00111
Sixtysix-20, *in* P-00412
Sizofuran, *see* S-00030
▷SK 1, *see* N-00090
SK 7, *in* T-00166
▷SK 100, *in* T-00534
▷SK 110, *see* A-00530
▷SK 15673, *in* M-00084
▷SK 27702, *see* B-00199
SK 29836, *in* M-00174
▷SK 52625, *see* D-00124
▷Skelaxin, *see* M-00152
▷SKF 51, *see* M-00257
▷SKF 1340, *in* P-00191
▷SKF 1700*A*, *in* B-00367
▷SKF 1995, *see* B-00238
▷SKF 2208, *in* H-00042
SKF 2599, *see* D-00494
▷SKF 3050, *in* D-00349
▷SKF 385, *in* P-00186
▷SKF 478, *see* D-00486
▷SKF 525*A*, *in* P-00442
▷SKF 538*A*, *in* D-00392
▷SKF 5883, *in* T-00208
SKF 6270, *in* M-00182
▷SKF 6539, *see* B-00239
▷SKF 6574, *in* P-00147
SKF 6611, *in* C-00242
▷SKF 688*A*, *see* P-00170
▷SKF 7690, *see* B-00056
SKF 8318, *see* X-00008
▷SKF 8542, *see* T-00420
SKF 9976, *in* O-00130
SKF 100168, *see* I-00005
SKF 101468, *see* R-00087
SKF 102362, *see* N-00144
▷SKF 10812, *see* F-00198
▷SKF 12141, *see* D-00485
▷SKF 12866, *see* T-00435
SKF 13338, *see* T-00421
SKF 13364-*A*, *in* T-00230
▷SKF 14336, *in* C-00465
SKF 15601*A*, *in* B-00230
SKF 22908, *see* T-00466
▷SKF 24529, *see* L-00065
SKF 28175, *in* F-00192
▷SKF 29044, *see* P-00032
▷SKF 30310, *see* O-00109
SKF 38094, *in* O-00011
▷SKF 38095, *in* T-00537
SKF 38730, *in* R-00058
▷SKF 40383, *in* C-00071
▷SKF 41558, *in* C-00120
SKF 53705*A*, *in* S-00220
SKF 59962, *see* C-00118
▷SKF 60771, *see* C-00117
SKF 61636, *see* B-00323
▷SKF 62979, *see* A-00096
SKF 63797, *see* D-00602
▷SKF 69634, *in* C-00486
SKF 70230*A*, *see* P-00275
SKF 72517, *see* E-00025
SKF 75073, *in* C-00135
▷SKF 769J_2, *in* C-00037
SKF 82526, *see* F-00063
▷SKF 83088, *see* C-00132
▷SKF 88373, *in* C-00158
SKF 91923, *see* B-00375
▷SKF 92334, *see* C-00350
SKF 92657*A*, *in* P-00441
SKF 92676, *see* I-00046
SKF 92994, *in* O-00124

SKF 93319, *in* I-00014
SKF 93479, *in* L-00113
SKF 93574, *see* D-00577
SKF 93944, *see* T-00060
SKF 94836, *see* S-00067
SKF 5354-A, *in* T-00462
SKF 7172-A_2, *in* F-00202
▷SKF 16214-A2, *in* C-00229
SKFD 2623, *in* T-00487
SKF D-39162, *see* A-00475
▷SKF 100916J, *in* A-00044
▷Skimmetin, *see* H-00114
Skimmin, *in* H-00114
Skinostelon, *in* H-00205
▷Skiodan sodium, *in* I-00106
Skleronorm, *see* E-00241
▷SK-Lygen, *in* C-00200
▷Skrub kreme, *see* H-00039
SL-573, *see* C-00392
SL 6057, *see* C-00436
SL 72340, *see* F-00228
▷SL 73033, *see* A-00419
SL 74036, *see* C-00391
SL 75177, *see* C-00332
▷SL 75212, *in* B-00142
SL 76002, *see* P-00465
SL 77499, *see* A-00112
SL 79229, *see* F-00052
SL77449-10, *in* A-00112
▷Slaked lime, *see* C-00015
▷SLD 212, *in* B-00142
SL 80 0750 23N, *in* Z-00033
Slovafol, *see* O-00024
Slow Reacting Substance of Anaphylaxis, *see* S-00136
Slow reversing endorphin, *see* D-00625
▷SM-14, *in* D-00459
SM 1213, *see* A-00345
SM 1652, *in* C-00143
SM 3997, *see* T-00026
▷SM 7354, *see* P-00263
▷Smedolin, *see* E-00258
▷SMP 78, *see* A-00171
SMS 201-995, *see* O-00025
Sm 857 SE, *see* O-00138
▷SN 166, *see* G-00057
▷SN 186, *in* C-00229
▷SN 203, *in* C-00437
SN 3517, *see* S-00185
▷SN 4395, *in* V-00052
▷SN 5870, *in* Q-00037
SN 612, *in* D-00131
SN 654, *in* P-00042
SN 6771, *see* B-00150
▷SN 6911, *see* M-00240
▷SN 10751, *in* A-00353
▷SN 12870, *see* G-00041
▷SN 13272, *see* P-00434
SN 13276, *see* P-00092
SN 13421, *see* M-00259
SN105-843, *see* N-00024
SNR 1804, *see* C-00406
▷Sobelin, *see* C-00428
Sobrepin, *see* H-00162
Sobrerol, *see* H-00162
Sociam, *see* S-00228
Socian, *see* A-00347
Soclidan, *in* N-00086
▷Sodital, *in* P-00101
▷Sodium acetrizoate, *in* A-00340
▷Sodium amidotrizoate, *in* D-00138
Sodium amylosulfate, *in* S-00140
▷Sodium anoxynaphonate, *in* A-00379
Sodium apolate, *in* V-00047
Sodium arsanilate, *in* A-00302
▷Sodium arsenate, S-00083
Sodium ascorbate, *in* A-00456
Sodium aurothiomalate, *in* M-00115
▷Sodium aurotiosulfate, S-00084
▷Sodium bitionolate, *in* B-00204
▷Sodium butallylonal, *in* B-00290
▷Sodium calcium edetate, *in* E-00186
▷Sodium cefapirin, JAN, *in* C-00115
▷Sodium cefazolin, JAN, *in* C-00120
▷Sodium chloride, S-00085
▷Sodium chromate, S-00086
Sodium clodronate, *in* D-00194
▷Sodium cromoglicate, JAN, *in* C-00565
Sodium dibunate, *in* D-00173
▷Sodium diprotrizoate, *in* D-00138
▷Sodium dithiosulfatoaurate(I), *see* S-00084
Sodium diuril, *in* C-00288
▷Sodium estrone sulfate, *in* O-00031
▷Sodium etidronate, *in* H-00132
Sodium etoquinol, *in* E-00171
▷Sodium feredetate, *in* E-00186
▷Sodium flucloxacillin, JAN, *in* F-00139
▷Sodium fluoride, S-00087
▷Sodium gentisate, *in* D-00316
Sodium glucaspaldrate, *in* B-00185
Sodium gualenate, *in* I-00205
▷Sodium hexacyclonate, *in* H-00158
▷Sodium iodide, S-00088
▷Sodium iopodate, *in* I-00129
▷Sodium iotalamate, JAN, *in* I-00140
▷Sodium ipodate, *in* I-00129
▷Sodium ironedetate, *in* E-00186
Sodium mercumallylate, *in* M-00123
Sodium metrizoate, *in* D-00138
▷Sodium nafcillin, *in* N-00012
▷Sodium nitrite, S-00089
▷Sodium nitroferricyanide, *in* P-00083
▷Sodium nitroprusside, *in* P-00083
▷Sodium oxybate, *in* H-00118
Sodium pertechnetate, *in* P-00130
▷Sodium phosphate dibasic, *in* P-00219
▷Sodium phosphate monobasic, *in* P-00219
▷Sodium phytate, USAN, *in* I-00074
Sodium picofosfate, INN, JAN, *in* B-00221
▷Sodium picosulfate, *in* B-00221
▷Sodium picosulphate, *in* B-00221
▷Sodium stibocaptate, *see* S-00149
▷Sodium sulfate, S-00090
Sodium tequinol, *in* E-00171
▷Sodium tetradecyl sulfate, *in* E-00209
▷Sodium thiosulfate, S-00091
▷Sodium timerfonate, *in* T-00191
▷Sodium tyropanoate, *in* T-00581
▷Sofalcone, S-00092
▷Sofenac, *see* T-00527
▷Sofradecol, *in* E-00209
▷Soframycin, *see* N-00068
▷Sogain, *see* B-00402
▷Solacen, *see* T-00577
Solacil, *see* P-00545
▷Solacin, *see* T-00577
Solanoside, *in* D-00274
▷Solantal, *in* T-00245
▷Solapsone, S-00093
▷Solaquin, *in* B-00074
Solarutine, *in* R-00106
▷Solasulfone, *see* S-00093
Solatene, *see* C-00088
Solatran, *see* K-00012
▷Solbrol *A*, *in* H-00113
▷Solbrol *P*, *in* H-00113
Solcodein, *in* C-00525
▷Soldactone, *in* H-00186
▷Soldep, *see* T-00441
▷Soldier, *see* H-00073
▷Soledum-Kapseln, *see* C-00360
Solevar, *see* P-00500
▷Solfocrisol, *see* S-00084

▷Solfone, *see* G-00057
▷Solganol, *in* T-00201
▷Solgol, *see* N-00006
▷Solimidine, *see* Z-00031
▷Solium, *see* F-00022
▷Soliwax, *in* B-00210
Sol-Mycin, *in* D-00303
▷Solon, *see* S-00092
Solpecainol, S-00094
Solu-Altim, *see* C-00550
Soluarsphenamine, S-00095
Solu-Biloptin, *in* I-00129
▷Soluble indigo blue, *in* I-00058
Solucongo, *see* C-00541
▷Solu-Diazine, *in* S-00237
Solu-Dilar, *in* P-00025
Soludillar, *in* P-00025
Solu-Forte-Cortin, *in* D-00111
▷Soluglaucit, *see* P-00027
▷Solu-Glyc, *in* C-00548
Soluidal, *see* L-00028
Solumag, *in* O-00140
Soluphene, *in* I-00008
Solupred, *in* P-00412
Soluprim, *in* S-00199
▷Soluran, *in* C-00215
▷Solurol, *see* S-00283
Solurutine, *in* R-00106
Solu-Salvarsan, *see* S-00095
▷Solusediv, *see* F-00130
▷Solusulfone, *see* S-00093
Solutedarol, *in* T-00419
▷Solutrast, *see* I-00124
▷Solvan, *see* D-00483
Solvarsin, *in* A-00271
▷Solvent yellow 3, *see* A-00251
Solvisat, *in* C-00548
Solvodol, *see* P-00029
▷Solvoscleril, *see* B-00179
▷Solypertine, S-00096
▷Solypertine tartrate, *in* S-00096
Somabet, *in* B-00140
Somagest, *in* A-00350
▷Somalgen, *see* T-00013
Somantadine, *see* A-00064
Somantadine hydrochloride, *in* A-00064
Somatobiss, *see* S-00097
Somatocrinin, *see* S-00097
▷Somatofalk, *see* S-00098
Somatoliberin (human pancreatic islet), *see* S-00097
Somatonorm, *see* H-00090
Somatorelin, S-00097
▷Somatostatin, S-00098
Somatotropin (human), *see* H-00090
▷Somatotropin release inhibiting factor, *see* S-00098
Somatrem, S-00099
Somatropin, *see* H-00090
Somatyl, *in* B-00140
▷Sombril 400, *in* I-00140
▷Somelin, *see* H-00020
▷Somese, *see* T-00425
Sometribove, BAN, INN, USAN, *in* S-00099
Sometripor, BAN, INN, USAN, *in* S-00099
▷Somiaton, *see* S-00098
Somilan, *in* T-00433
Somio, *see* C-00193
▷Somnipron, *in* A-00430
▷Somnos, *see* T-00433
▷Somnothan, *see* B-00294
▷Somsanit, *in* H-00118
▷Sonacide, *see* P-00090
▷Sonbutal, *see* B-00290
Sonfilan, *see* S-00030
▷Songar, *see* T-00425
▷Songorine, S-00100
Songorine N-oxide, *in* S-00100
Sonilyn, *see* S-00236
▷Sontochin, *see* M-00240
▷Sontoquine, *see* M-00240
▷Sonuctone, *see* V-00031
▷Soorphenesin, *see* C-00261
Sopecainol, *see* S-00094
▷Sophoretin, *see* P-00082
Sopin, *see* H-00090
Sopitazine, S-00101
▷Sopor, *see* M-00172
Sopromidine, S-00102
Soquinolol, S-00103
▷Sorbester P12, *in* A-00387
Sorbester P16, *in* A-00387
▷Sorbester P17, *in* A-00387
▷Sorbester P18, *in* A-00387
Sorbester P37, *in* A-00387
Sorbester P38, *in* A-00387
Sorbide (obsol.), *see* D-00144
Sorbinicate, *in* G-00054
Sorbinil, S-00104
Sorbitan, *see* A-00387
▷Sorbitan laurate, *in* A-00387
▷Sorbitan monolaurate, *in* A-00387
▷Sorbitan monooleate, *in* A-00387
Sorbitan monopalmitate, *in* A-00387
▷Sorbitan monostearate, *in* A-00387
▷Sorbitan oleate, *in* A-00387
Sorbitan palmitate, *in* A-00387
▷Sorbitan stearate, *in* A-00387
Sorbitan trioleate, *in* A-00387
Sorbitan tristearate, *in* A-00387
▷D-Sorbitol, *in* G-00054
L-Sorbitol, *in* G-00054
Sorboquel, *in* P-00382
▷Sordinol, *in* C-00481
Sordinol depot, *in* C-00481
▷Sormodren, *see* B-00255
Sornidipine, S-00105
▷Sospitan, *see* P-00568
▷Sostol, *in* C-00229
▷Sotacor, *in* S-00106
▷Sotal, *see* T-00311
▷Sotalex, *in* S-00106
Sotalol, S-00106
▷Sotalol hydrochloride, *in* S-00106
▷Sotaper, *in* S-00106
▷Sotapor, *in* S-00106
▷Soterenol, S-00107
▷Soterenol hydrochloride, *in* S-00107
Sotorni, *in* P-00512
Sotravarisc, *see* P-00380
▷Soventol, *see* B-00106
▷Soviet gramicidin, *see* G-00083
Soxisol, *see* S-00216
▷Soxomide, *see* S-00215
Sozoiodolic acid, *see* D-00358
Sozojodol, *see* D-00358
SP 5, *see* S-00135
SP 1059, *in* P-00592
SP 119, *see* T-00291
SP-175, *see* N-00001
SP-204, *in* M-00086
Sp 281, *in* V-00027
SP 304, *see* P-00343
SP-325, *in* N-00004
▷SP 732, *in* P-00473
▷Sp 100-2, *in* F-00280
Spabucol, *see* T-00491
Spacine, *in* P-00028
Spactin, *in* B-00434
Spadon, *see* C-00090
Spaglumic acid, *in* A-00461
Spaglumic acid, *see* I-00211
Spagluminic acid, *see* I-00211
▷Spalgo, *in* B-00147

Spalix, *in* T-00554
▷Spamorin, *see* T-00479
▷Span 20, *in* A-00387
Span 40, *in* A-00387
▷Span 60, *in* A-00387
Span 65, *in* A-00387
▷Span 80, *in* A-00387
Span 85, *in* A-00387
▷Spanomid, *in* P-00430
▷Spantrin, *in* V-00003
Sparcort, *in* D-00267
▷Sparfosate sodium, USAN, *in* S-00108
Sparfosic acid, S-00108
▷Sparine, *in* P-00475
▷Sparsogenin, *see* S-00109
▷Sparsomycin, S-00109
▷Spartakon, *in* T-00151
Sparteine, S-00110
▷Sparteine sulfate, *in* S-00110
▷Spartrix, *see* C-00083
SPA-S 160, *in* P-00042
▷Spasfon-Lyoc, *see* B-00076
▷Spasmalex, *in* D-00276
Spasmalgan, *see* D-00071
▷Spasmamide, *see* F-00033
Spasman, *in* D-00491
Spasmaparid, *in* B-00160
Spasmentral, *in* B-00080
▷Spasmex, *in* T-00558
Spasmexan, *see* F-00025
Spasmisolvina, *in* B-00160
Spasmium, *see* C-00090
▷Spasmo 3, *in* T-00558
Spasmocalm, *in* B-00111
▷Spasmocan, *in* D-00234
Spasmocromona, *see* M-00231
▷Spasmoctyl, *in* O-00069
▷Spasmodex, *in* D-00276
Spasmo-Dolisina, *see* P-00498
Spasmokalon, *in* B-00111
▷Spasmolevel, *in* D-00276
▷Spasmolysin, *see* P-00551
▷Spasmolytin, *see* A-00072
▷Spasmomen, *in* O-00069
Spasmonal, *in* D-00517
Spasmo-Paparid, *in* B-00160
▷Spasmophen, *in* O-00161
Spasmopriv, *see* F-00065
Spasmoxal, *see* D-00474
▷Spastin, *see* B-00003
▷Spaston, *in* D-00480
▷Spastrex, *in* O-00161
Spatonin, *see* D-00248
SPC 297*D*, *see* A-00520
SPCA, *see* F-00002
▷Spectacillin, *see* E-00074
▷Spectinomycin, S-00111
▷Spectinomycin hydrochloride, *in* S-00111
▷Spectogard, *in* S-00111
Spectra-Sorb *UV*-284, *see* B-00098
Spectra-Sorb *UV* 531, *see* O-00004
▷Spectra-Sorb UV, *in* D-00318
▷Spectra Sorb UV24, *in* T-00472
Spectra-Sorb UV 5411, *see* O-00027
Spectrila, *see* T-00023
▷Spectrum, *see* C-00152
Speda, *see* V-00046
Spergisin, *in* M-00427
Spergualin, S-00112
▷Spertacide, *see* D-00149
Speton, *in* M-00427
SPG, *see* S-00030
▷Spheroidine, *see* T-00156
▷Spheromycin, *see* N-00228
S-PI, *in* P-00109
Spiclamine, S-00113
Spiclomazine, S-00114
Spidox, *in* H-00191
Spilan, *see* B-00118
▷Spiperone, S-00115
▷Spiractin, *see* P-00288
Spiradoline, S-00116
Spiramide, S-00117
▷Spiramycin, *in* F-00249
▷Spiramycin *A*, *see* F-00249
▷Spiramycin *B*, *see* F-00250
▷Spiramycin *C*, *see* F-00251
▷Spiramycin I, *see* F-00249
▷Spiramycin II, *see* F-00250
▷Spiramycin III, *see* F-00251
▷Spiramycin, BAN, INN, USAN, *in* F-00250
▷Spiramycin, BAN, INN, USAN, *in* F-00251
Spiranyl, *in* T-00084
Spirapril, *in* S-00118
Spiraprilat, S-00118
Spirapril hydrochloride, *in* S-00118
Spirazine, *see* S-00130
Spirendolol, S-00119
▷Spirex, *in* C-00071
Spirgetine, S-00120
▷Spirilene, S-00121
▷Spiro 32, *in* S-00123
Spirobromin, *in* D-00169
Spirocort, *see* B-00344
▷Spiroctan, *see* S-00125
▷Spirodecanone, *see* S-00115
▷Spirodiflamin, *see* F-00223
Spiroform, *in* A-00026
Spirofylline, S-00122
Spirogermanium, S-00123
▷Spirogermanium hydrochloride, *in* S-00123
▷Spirohydantoin mustard, *see* S-00124
Spiroktan, *see* C-00027
▷Spiromustine, S-00124
▷Spironolactone, S-00125
▷Spiroperidol, *see* S-00115
▷Spiropitan, *see* S-00115
Spiroplatin, S-00126
Spirorenone, S-00127
Spirosal, *in* H-00112
(22*S*,25*S*)-5α-Spirosolan-3β-ol, *see* T-00374
5-Spirostene-1,3-diol, S-00128
5-Spirosten-3-ol, S-00129
Spirot, *in* C-00569
Spirotriazine, S-00130
Spiroxamide, *see* S-00132
Spiroxasone, S-00131
Spiroxatrine, S-00132
Spiroxepin, S-00133
▷Spizef, *in* C-00140
Spizofurone, S-00134
Splenopentin, S-00135
Spofa 325, *in* M-00460
▷Spongoadenosine, *in* A-00435
▷Sporostacin-active substance, *see* C-00199
▷Spotton, *see* F-00078
Sprx, *in* M-00290
Sputolysin, *in* D-00060
▷SQ 1089, *see* H-00220
▷SQ 1489, *see* T-00149
SQ 2128, *in* D-00131
▷SQ 9538, *see* T-00100
SQ 9993, *in* O-00028
▷SQ 10269, *in* C-00053
▷SQ 10496, *in* T-00181
▷SQ 10643, *in* C-00355
▷SQ 11302, *see* E-00074
▷SQ 11436, *see* C-00180
▷SQ 13050, *see* E-00009
▷SQ 13396, *see* I-00124
SQ 13847, *see* P-00356
SQ 14359, *see* A-00409

▷SQ 15101, *in* A-00114
SQ 15102, *in* T-00419
SQ 15,112, *see* A-00176
▷SQ 15761, *in* I-00129
SQ 15860, *see* G-00074
SQ 15874, *see* P-00275
▷SQ 16123, *in* M-00180
SQ 16150, *in* O-00028
▷SQ 16360, *in* F-00303
SQ 16374, *in* M-00178
SQ 16401, *see* D-00190
SQ 16423, *in* O-00074
▷SQ 16496, *in* M-00178
▷SQ 16603, *see* F-00303
SQ 17409, *in* D-00604
SQ 19844, *see* S-00077
SQ 20009, *in* E-00143
SQ 20824, *see* F-00179
SQ 20881, *see* T-00079
▷SQ 21982, *see* I-00108
▷SQ 22947, *in* T-00238
SQ26490, *see* N-00018
▷SQ 26776, *see* A-00533
SQ 26917, *in* A-00533
SQ 26962, *see* M-00038
SQ 26991, *in* Z-00025
SQ 27239, *see* T-00314
SQ 27519, *see* C-00611
SQ 28555, *in* C-00611
SQ 30213, *see* T-00268
SQ 65396, *see* C-00101
SQ 65,993, *see* G-00035
SQ 82291, *see* O-00115
SQ 82531, *in* O-00115
SQ 82629, *in* O-00115
Sqd 1-85, *see* P-00117
SR 1368, *see* T-00282
▷SR 202, *see* M-00372
▷SR 2508, *see* E-00139
SR 41319, *in* T-00280
SR 41378, *see* E-00046
SR 95191, *see* B-00019
SRC 4402, *see* C-00253
SRC 909, *see* P-00335
▷SRIF, *see* S-00098
▷Srilane, *see* H-00130
SRS-A, S-00136
(25S)-Ruscogenin, *in* S-00128
▷ST 21, *see* P-00363
St 105, *see* P-00414
St 1085, *in* M-00369
ST 1191, *see* E-00261
St 1411, *see* D-00381
ST 1512, *see* H-00068
▷ST 2121, *in* E-00097
ST 2225, *see* B-00041
ST 375, *see* T-00358
St 487, *see* T-00216
▷ST 5066, *see* I-00091
St 567, *see* A-00120
ST 5614, *see* I-00123
ST 600, *see* F-00230
ST 729, *see* M-00341
ST 8005, *see* S-00199
▷ST 9067, *see* A-00525
StA 307, *see* T-00205
▷Stabicillin, *see* P-00171
▷Stabilotren, *in* C-00097
▷Stabinol, *see* I-00180
Stablon, *see* T-00240
▷Staburin, *in* T-00284
▷Stadol, *in* B-00417
▷Stafac, *in* O-00068
Staff, *see* E-00261
▷Stafusid, *in* F-00303
▷Stakane, *see* A-00419
▷Stallimycin, *see* D-00539
▷Stallimycin hydrochloride, *in* D-00539
Stamycil, *see* C-00453
Stamyl, *in* P-00010
▷Stanaprol, *in* H-00109
▷Stangyl, *see* T-00516
▷Stanilo, *in* S-00111
▷Stannous fluoride, S-00137
Stannous pyrophosphate, S-00138
▷Stanolone, *in* H-00109
▷Stanolone benzoate, *in* H-00109
Stanolone valerate, *in* H-00109
Stanozolol, S-00139
▷Staphcidin (obsol.), *see* L-00123
▷Staphcillin, *in* M-00180
Staphylomycin *S*, *see* V-00054
Staphylomycin M_1, *see* O-00068
Staphylomycin S_2, *in* V-00054
Staphylomycin S_3, *in* V-00054
Staporos, *in* C-00013
Stapyocine, *in* P-00440
▷Starcef, *see* C-00152
Starch, S-00140
▷Starch gum, *see* D-00114
Startal, *in* G-00058
Staticum, *see* G-00045
Statil, *see* P-00387
Statobex, *in* M-00290
▷Statocin, *see* C-00076
▷Statolon, S-00141
▷Statran, *see* E-00042
Statyl, *see* M-00232
▷StC 1400, *see* F-00147
StC 407, *see* I-00197
▷STD, *in* E-00209
▷Stearylamine, *see* O-00012
▷α-Stearyl glyceryl ether, *see* D-00337
Stearylsulfamide, S-00142
Steatrope, *see* O-00110
▷Stecsolin, *see* O-00166
▷Steffimycin, S-00143
▷Steffimycin B, *in* S-00143
Steffimycin C, *in* S-00143
Steffimycinone, *in* S-00143
▷Steffisburgensimycin, *see* S-00143
▷Steladone, *see* C-00203
▷Stelazine, *in* T-00463
▷Stemex, *in* P-00025
▷Stenandiol, *in* A-00383
Stenbolone, S-00144
Stenbolone acetate, *in* S-00144
Stenediol, *in* M-00225
▷Stenicid, *in* F-00303
Stenofillina, *see* A-00011
Sten-or, *see* M-00137
Stenorol, *in* H-00009
▷Stephylomycin, *in* O-00068
Stepin, *see* T-00214
Stepronin, S-00145
▷Steranabol, *in* C-00506
Stercorin, *in* C-00305
Stercuronium(1+), S-00146
Stercuronium iodide, *in* S-00146
▷Sterecyt, *see* P-00411
▷Stereocyt, *see* P-00411
▷Stereomycine, *in* L-00032
Sterilium, *in* E-00182
Sterisil, *see* H-00064
Sterisol, *see* H-00063
Stermonid, *see* D-00574
Sterocort, *see* P-00414
Sterocrinolo, *in* H-00185
Sterolin, *in* S-00151
Sterorer, *see* C-00624
▷Sterosan, *see* D-00189
Sterosone, *in* H-00205

▷Steroxin, *see* D-00189
Stevaladil, *in* A-00315
▷Stevin, *in* S-00147
Steviol, S-00147
▷Stevioside, *in* S-00147
▷Steviosin, *in* S-00147
▷Stibamine glucoside, S-00148
▷Stibanilic acid, *see* A-00212
Stiberyl, *in* A-00212
4′-Stibinoacetanilide, *in* A-00212
▷Stibocaptate, S-00149
Stibocetin, *in* A-00212
▷*p*-Stibonoaniline, *see* A-00212
▷*p*-Stibonobenzenamine, *see* A-00212
▷Stibophen, *in* B-00207
Stibosamine, *in* A-00212
2,2′,2″-Stibylidynetris[thio]trisbutanedioic acid, S-00150
▷Stiedex, *see* D-00102
▷Stifarol, *in* D-00313
▷5-Stigmasten-3-ol, S-00151
Stigmastenol clofibrate, *in* S-00151
Stigmenene(1+), *see* B-00101
▷Stilamin, *see* S-00098
Stilbamidine, *in* S-00153
Stilbamidine isetionate, *in* S-00153
Stilbazium(1+), S-00152
▷Stilbazium iodide, *in* S-00152
4,4′-Stilbenedicarboxylic acid, S-00153
Stilbenemidine, S-00154
▷Stilbestriol DP, *in* D-00257
Stilbestrol difuroate, *see* F-00297
▷Stilbestrol diphosphate, *in* D-00257
Stilboestrol, *see* D-00257
ψ-Stilboestrol, *in* D-00257
Stilbostat, *in* D-00257
▷Stillomycin, *see* P-00557
Stilnox, *in* Z-00033
Stilonium(1+), S-00155
Stilonium iodide, *in* S-00155
Stilpalmitate, *in* D-00257
▷Stilphostrol, *in* D-00257
Stimate, *see* D-00097
Stimol, *see* C-00405
Stimoval, *see* E-00080
▷Stimsen, *see* D-00417
▷Stimulaxin, *in* D-00591
▷Sting-Kill, *see* T-00536
▷Stirifos, *see* T-00107
Stirimazole, S-00156
▷Stiripentol, S-00157
Stirocainide, S-00158
▷Stirofos, *see* T-00107
Stivane, *in* P-00336
StL 1106, *in* F-00207
▷Stofilin, *see* B-00011
Stomatosan, *in* T-00357
▷Stomoxin, *see* P-00128
▷Stop, *see* S-00137
Stopcold, *see* M-00059
▷Storinal, *in* O-00029
▷Stovaine, *in* A-00374
▷Stovarsol, *in* A-00271
St Peter 224, *in* M-00369
▷Straminol, *in* M-00147
Stratene, *in* C-00183
Strensol, *see* N-00129
▷Streptase, *see* S-00160
Streptococcal deoxyribonuclease, *see* S-00159
Streptodornase, S-00159
▷Streptogramin, *in* O-00068
Streptogramin *A*, *see* O-00068
Streptohydrazid, *in* S-00161
▷Streptokinase, S-00160
Streptomagma, *in* D-00303
▷Streptomycin, S-00161
Streptoniazid, *in* S-00161
Streptonicozid, *in* S-00161
▷Streptonigrin, S-00162
▷Streptonivicin, *see* N-00228
▷Streptothricin *B*1, *see* N-00069
▷Streptovaricin *A*, *in* S-00163
▷Streptovaricin *B*, *in* S-00163
▷Streptovaricin *C*, *in* S-00163
Streptovaricin *G*, *in* S-00163
Streptovaricin *Fc*, *in* S-00163
▷Streptovaricin D, *in* S-00163
Streptovaricin E, *in* S-00163
Streptovaricin J, *in* S-00163
Streptovaricin K, *in* S-00163
▷Streptovarycin, S-00163
▷Streptozocin, *see* S-00164
▷Streptozotocin, S-00164
Stresam, *in* E-00236
▷Stresnil, *see* A-00503
▷Stresson, *in* B-00364
▷Striatan, *see* E-00042
▷Striatran, *see* E-00042
Striazide, *in* S-00161
▷Stricnogen, *in* S-00167
Strinoline, *see* T-00424
▷Strobilurin A, *see* M-00469
Strobilurin B, *in* M-00469
Strobilurin C, *in* M-00469
Stromba, *see* S-00139
▷Strontium chloride, S-00165
▷Strontium nitrate, S-00166
▷Strophanthidin, *in* T-00478
▷*g*-Strophanthidin, *in* H-00053
▷*g*-Strophanthin, *in* H-00053
▷*g*-Strophanthoside, *in* H-00053
▷Strospeside, *in* T-00474
▷Strotope, *in* S-00166
▷Strumacil, *see* D-00293
▷Strychnidin-10-one, *see* S-00167
▷Strychnine, S-00167
▷Strychnine N-oxide, *in* S-00167
▷*C*-Strychnotoxine I, *see* C-00016
▷*C*-Strychnotoxine Ia, *see* C-00016
▷Stryphnon, *see* A-00076
▷STS, *in* E-00209
▷STS 557, *see* D-00224
▷Stuartinic, *in* P-00016
Stuart-Prower factor, *see* F-00005
Stubomycin, *see* H-00081
Stugeron, *see* C-00372
Sturamustine, S-00168
▷Stylomycin, *see* P-00557
Stylophylline, *in* H-00095
▷Stypnon, *see* A-00076
Stypticin, *in* C-00552
Styptol, *in* C-00552
Styquin, *in* B-00387
▷Styramate, S-00169
▷Su 42, *in* E-00218
▷SU-88, *see* S-00092
▷Su 1906, *see* T-00173
▷Su 3088, *in* C-00207
SU 6187, *see* B-00401
▷Su 6518, *in* D-00391
▷Su-7078, *see* B-00032
▷Su 8341, *see* C-00630
▷Su 10568, *in* C-00271
▷SU 13437, *see* N-00014
▷Su 18137, *see* C-00650
▷Suacron, *see* C-00038
Suavedol, *in* G-00029
▷Suavitil, *in* B-00034
▷Suballan, *see* N-00101
Subathizone, S-00170
Subatin, *see* S-00170
Subitol, *see* I-00010

▷Sublimaze, *see* F-00077
Subose, *see* G-00074
▷Subranyl, *in* O-00161
▷Su-Brontine, *in* D-00087
Substance *P*, S-00171
Substance *S*, *in* D-00062
▷Sucaryl, *in* S-00002
▷Succimer, *in* D-00384
1-Succinamic acid-5-L-valine-8-(L-2-phenylglycine)-angiotensin II, *see* A-00438
▷Succinoylcholine, *see* S-00280
▷Succinylcholine chloride, *in* S-00280
Succinyldapsone, *see* S-00173
Succinyldiaphenylsulphone, *see* S-00173
Succinylsulfanilamide, *see* S-00209
▷Succinylsulfathiazole, S-00172
Succisulfone, S-00173
▷Succitimal, *see* M-00294
Suclofenide, S-00174
▷Sucostrin chloride, *in* S-00280
▷Sudafed, *in* M-00221
Sudexanox, S-00175
▷Sudoxicam, S-00176
▷Sufenta, *in* S-00177
Sufentanil, S-00177
▷Sufentanil citrate, *in* S-00177
▷Sufosfamide, S-00178
Sufotidine, S-00179
Sufrexal, *see* K-00010
▷Sugordomycin D_{1a}, *see* C-00557
▷Suicalm, *see* A-00503
▷Suiclisin, *see* P-00194
Suimate, *in* C-00490
▷Suiminth, *in* M-00438
Suladrin, *in* S-00215
▷Suladyne, *in* D-00133
▷Sulazepam, S-00180
Sulbactam, *in* P-00065
Sulbactam benzathine, *in* P-00065
Sulbactam pivoxil, *in* P-00065
Sulbactam sodium, *in* P-00065
Sulbenicillin, S-00181
▷Sulbenil, *in* S-00181
Sulbenox, S-00182
Sulbentine, S-00183
Sulbutiamine, *in* T-00174
Sulcephalosporin, *see* C-00150
Sulclamide, *in* C-00286
Sulconazole, S-00184
Sulconazole nitrate, *in* S-00184
Sulcosyn, *in* S-00184
Sulergine, *see* D-00541
Sulfabenz, *see* S-00202
▷Sulfabenzamide, *in* A-00213
Sulfabenzamine, *see* M-00002
▷Sulfabenzide, *in* A-00213
▷Sulfabenzpyrazinium, *in* A-00332
Sulfabrom, *see* S-00185
Sulfabromomethazine, S-00185
▷Sulfacarbamide, *see* S-00203
Sulfacecole, S-00186
▷Sulfacetamide, *in* A-00213
▷Sulfacetil, *see* P-00227
Sulfachlorpyridazine, *see* S-00236
Sulfachrysoidine, S-00187
Sulfacid, *see* A-00312
Sulfacitine, *see* S-00191
▷Sulfaclomide, S-00188
Sulfaclorazole, S-00189
Sulfaclozine, S-00190
Sulfaclozine sodium, *in* S-00190
▷Sulfactin, *see* D-00385
▷Sulfactol, *see* S-00091
Sulfacyl, *see* P-00225
Sulfacytine, S-00191
▷Sulfadiazine, *see* S-00237
▷Sulfadiazine silver, JAN, *in* S-00237
▷Sulfadiazine sodium, *in* S-00237
Sulfadicramide, S-00192
Sulfadicrolamide, *see* S-00192
▷Sulfadimethoxine, *see* S-00238
▷Sulfadimidine, *see* S-00196
▷Sulfadoxine, S-00193
Sulfaethidole, *see* S-00239
Sulfaformidine, *in* S-00254
▷Sulfafurazole, *see* S-00215
▷Sulfaguanidine, *see* S-00240
Sulfaguanole, S-00194
▷Sulfalene, *see* S-00198
Sulfalepsine, *see* S-00174
Sulfaloxic acid, *see* S-00241
Sulfamazone, S-00195
Sulfa-Medivet, *see* S-00207
▷Sulfamerazine, *see* S-00242
▷Sulfamerazine sodium, *in* S-00242
▷Sulfameter, *see* S-00245
▷Sulfamethazine, S-00196
▷Sulfamethizole, *see* S-00243
▷Sulfamethoxazole, *see* S-00244
▷Sulfamethoxypyridazine, *see* S-00246
▷Sulfamethyldiazine, *see* S-00242
Sulfamethylphenazole, *see* S-00207
Sulfamethylthiazole, *see* S-00255
▷Sulfametomidine, S-00197
▷Sulfametopyrazine, S-00198
▷Sulfametoxydiazine, *see* S-00245
Sulfametrole, S-00199
▷Sulfamidine, *see* S-00197
Sulfamidochrysoidine, *see* P-00484
▷Sulfamonomethoxime, S-00200
▷Sulfamoprine, *see* S-00247
Sulfamothepin, S-00201
▷Sulfamoxole, *see* S-00248
▷(*p*-Sulfamoylanilino)methanesulfonic acid, *see* M-00141
▷*p*-Sulfamoylbenzoic acid, *in* S-00217
5-(*p*-Sulfamoylphenylazo)salicylic acid, *see* S-00009
4′-Sulfamoylsuccinanilic acid, *see* S-00209
Sulfamylon, *see* M-00002
Sulfan blue, *see* S-00249
▷Sulfanilamide, *in* A-00213
▷Sulfanilamide, *in* A-00213
▷2-Sulfanilamido-4-methylpyrimidine, *see* S-00242
▷2-Sulfanilamidopyridine, *see* S-00252
▷2-Sulfanilamidothiazole, *see* S-00256
Sulfanilanilide, S-00202
▷Sulfanilate zinc, USAN, *in* A-00213
▷Sulfanilcarbamide, *see* S-00203
▷Sulfanilic acid, *see* A-00213
N-Sulfanilylanthranilic acid, *see* S-00205
▷*N*-Sulfanilylbenzamide, *in* A-00213
N-(*p*-Sulfanilylphenyl)glycine, *see* A-00008
(*p*-Sulfanilylphenyl)urea, *see* A-00312
N-Sulfanilylstearamide, *see* S-00142
4′-Sulfanilylsuccinanilic acid, *see* S-00173
1-Sulfanilyl-2-thiourea, *see* S-00257
▷Sulfanilylurea, S-00203
Sulfanitran, S-00204
Sulfanthrol, S-00205
▷Sulfantimon, *see* S-00149
Sulfaperin, S-00206
▷Sulfaphenazole, *see* S-00250
Sulfaproxyline, *see* S-00251
Sulfapyrazole, S-00207
Sulfapyridazine, S-00208
▷Sulfapyridine, *see* S-00252
▷Sulfa-Q, *in* A-00332
▷Sulfaquinoxaline, *in* A-00332
Sulfarside, *see* A-00209
▷Sulfarsphenamine, *in* D-00127
▷Sulfasalazine, *see* S-00253
Sulfasomizole, *see* S-00255
Sulfastearyl, *see* S-00142

Sulfasuccinamide, S-00209
▷Sulfasuxidine, *see* S-00172
Sulfasymazine, S-00210
▷Sulfatertiobutylthiadiazole, *see* G-00062
Sulfathiadiazole, S-00211
Sulfathiamid *M*, *in* M-00002
▷Sulfathiazole, *see* S-00256
Sulfathiocarbamide, *see* S-00257
Sulfathiodiazole, *see* S-00211
Sulfathiourea, *see* S-00257
Sulfatolamide, *in* M-00002
Sulfatolamide, *in* M-00002
Sulfatolamide, *in* S-00257
Sulfatroxazole, S-00212
Sulfatrozole, S-00213
Sulfatyf sodium, *in* S-00190
Sulfauridin, *see* S-00192
Sulfazamet, *see* S-00207
▷Sulfenazin, *in* T-00208
Sulfenazone, *in* S-00195
▷Sulfene (soviet), *in* B-00204
Sulfentanyl, *see* S-00177
▷Sulfetron, *see* S-00093
▷Sulfetrone, *see* S-00093
▷Sulfex, *see* S-00256
Sulfhexet, *in* H-00057
Sulfinalol, S-00214
Sulfinalol hydrochloride, *in* S-00214
▷Sulfinpyrazone, *see* S-00258
▷Sulfinylbismethane, *see* D-00454
▷Sulfiram, *see* M-00430
Sulfirgamid, *see* S-00192
▷Sulfisomidine, *see* S-00254
▷Sulfisoxazole, S-00215
Sulfisoxazole acetyl, S-00216
Sulfisoxazole diolamine, *in* S-00215
4-Sulfobenzoic acid, S-00217
▷*o*-Sulfobenzoic imide, *see* S-00002
α-Sulfobenzylpenicillin, *see* S-00181
4,4′-[(3-Sulfo[1,1′-biphenyl]-4,4′-diyl)bis(azo)]bis[3-amino-2,7-naphthalenedisulfonic acid], *see* T-00564
▷Sulfobromophthalein, S-00218
Sulfobutanedioic acid 1,4-bis(2-ethylhexyl) ester, *see* B-00210
Sulfochloramin, *in* D-00179
▷Sulfochlorin, *see* S-00188
▷Sulfocillin, *in* S-00181
N-(2-Sulfoethyl)-glutamine, S-00219
Sulfoguaiacol, *in* H-00147
Sulfomyl, *in* M-00002
▷Sulfonal, *see* B-00212
▷Sulfonalone, *see* B-00212
Sulfonatox, *see* D-00146
Sulfon-Cilag, *in* A-00008
▷Sulfonethylmethane, *see* B-00211
▷Sulfonmethane, *see* B-00212
▷Sulfonphthal, *see* P-00163
Sulfonterol, S-00220
Sulfonterol hydrochloride, *in* S-00220
▷3,3′-Sulfonylbisbenzenamine, *see* D-00128
▷4,4′-Sulfonylbisbenzenamine, *see* D-00129
3,3′-[Sulfonylbis(ethylenecarbonylimino)]bis[5-(*N*-ethylacetamido)-2,4,6-triiodobenzoic acid], *see* I-00137
1,1′-Sulfonylbis[4-isothiocyanatobenzene], S-00221
[Sulfonylbis(*p*-phenyleneazo)]dithymol, *see* D-00146
▷1,1′-[Sulfonylbis(4,1-phenyleneimino)]bis[1-deoxy-1-sulfoglucitol], *see* G-00057
[Sulfonylbis(4,1-phenyleneimino)]bismethanesulfinic acid, *see* S-00223
▷1,1′-[Sulfonylbis(4,1-phenyleneimino)]bis[3-phenyl-1,3-propanedisulfonic acid] tetrasodium salt, *see* S-00093
▷3,3′-Sulfonyldianiline, *see* D-00128
▷4,4′-Sulfonyldianiline, *see* D-00129
3-(Sulfooxy)androst-5-en-17-one, *in* H-00110
8-(3-Sulfopropyl)atropinium hydroxide, *see* S-00265
▷Sulforcin, *in* B-00073
▷Sulforidazine, S-00222
▷Sulforthomidine, *see* S-00193
▷5-Sulfosalicylic acid, *see* H-00214
Sulfosuccinic acid 1,4-bis(2-ethylhexyl) ester, *see* B-00210
Sulfoxazine maleate, *in* T-00070
Sulfoxol, *see* S-00216
Sulfoxone, S-00223
Sulfoxone sodium, *in* S-00223
Sulfuric acid monophenyl ester, *in* P-00161
Sulicrinat, S-00224
▷Sulindac, S-00225
Sulisatin, S-00226
Sulisobenzone, *see* B-00098
▷Sulkretor, *see* M-00242
Sulmarin, *in* D-00332
▷Sulmazole, S-00227
Sulmepride, S-00228
▷Sulmetozin, *see* T-00540
Sulnidazole, S-00229
Sulocarbilate, S-00230
Suloctidil, S-00231
Sulodexide, S-00232
Sulosemide, S-00233
Sulotroban, S-00234
Suloxifen, S-00235
Suloxifen oxalate, *in* S-00235
▷Sulpelin, *in* S-00181
▷Sulphacetamide sodium, BAN, *in* A-00213
Sulphachlorpyridazine, S-00236
▷Sulphadiazine, S-00237
▷Sulphadimethoxine, S-00238
▷Sulphadimidine, *see* S-00196
Sulphaethidole, S-00239
▷Sulphafurazole, *see* S-00215
▷Sulphaguanidine, S-00240
Sulphaloxate, *see* S-00241
Sulphaloxic acid, S-00241
▷Sulphamerazine, S-00242
▷Sulphamethizole, S-00243
▷Sulphamethoxazole, S-00244
▷Sulphamethoxydiazine, S-00245
▷Sulphamethoxypyridazine, S-00246
▷Sulphamoprine, S-00247
▷Sulphamoxole, S-00248
Sulphan blue, S-00249
▷Sulphaphenazole, S-00250
Sulphaproxyline, S-00251
▷Sulphapyridine, S-00252
Sulpharside, *see* A-00209
▷Sulphasalazine, S-00253
▷Sulphasomidine, S-00254
Sulphasomizole, S-00255
▷Sulphathiazole, S-00256
Sulphathiourea, S-00257
Sulphatolamide, *in* M-00002
▷Sulphaurea, *see* S-00203
▷Sulphedrone, *see* S-00093
▷Sulphental, *see* P-00163
▷Sulphenytame, *see* S-00263
▷Sulphinpyrazone, S-00258
▷Sulphobromophthalein sodium, *in* S-00218
▷Sulphomethate, *in* C-00536
▷Sulphonal, *see* B-00212
▷Sulphonazine, *see* S-00093
▷Sulphormethoxine, *see* S-00193
▷Sulpiride, S-00259
Sulprosal, S-00260
▷Sulprostone, S-00261
Sulpyrin, *see* D-00532
▷Sulquin, *in* A-00332
Sultamicillin, S-00262
▷Sulthiame, S-00263
▷Sultiame, *see* S-00263
▷Sultopride, S-00264
Sultosilic acid, *in* D-00313

Sultropan, *see* S-00265
Sultroponium, S-00265
Sulverapride, S-00266
Sulzon, *see* S-00170
▷SUM 3170, *see* L-00106
Sumacetamol, S-00267
Sumatriptan, S-00268
Sumatriptan hemisuccinate, *in* S-00268
Sumatriptan succinate, *in* S-00268
▷Sumestil, *see* S-00098
Sumetizide, S-00269
▷Sumithion, *see* F-00057
Sumithrin, *see* P-00169
▷Summetrin, *see* P-00018
Sunagrel, S-00270
Suncefal, *in* C-00143
Suncillin, S-00271
Suncillin sodium, *in* S-00271
SunDare, *see* C-00378
▷Sundralen, *in* T-00236
Sungard, *see* B-00098
▷Sunrabine, *in* C-00667
Supacal, *see* T-00456
Supergastrone, *see* E-00075
Superlipid, *see* P-00445
Superpyrin, *see* A-00144
▷Superten, *in* D-00459
Supicaine, *in* P-00446
Supidimide, S-00272
▷Suplexedil, *in* F-00067
▷Supona, *see* C-00203
Suppoptanox, *see* V-00046
▷Supral, *see* V-00012
▷Supralgin, *in* P-00138
▷Suprarenin, *in* A-00075
▷Supratonin, *in* A-00279
Suprefact, *in* B-00377
Supres, *in* T-00490
Suproclone, S-00273
▷Suprofen, S-00274
SUR 2647, *see* S-00267
▷Suramin sodium, S-00275
▷Surem, *in* B-00385
Surestrine, *see* D-00570
▷Surestryl (new form), *see* M-00463
Surestryl (old form), *see* D-00570
Surexin, *see* P-00588
▷Surfacaine, *see* C-00625
▷Surfathesin, *see* C-00625
▷Surfen, *see* B-00190
Surfen *C*, *in* B-00189
Surfomer, S-00276
Surfone, *in* D-00267
▷Surgam, *see* B-00099
▷Surgamic, *see* B-00099
▷Surgamyl, *see* B-00099
▷Surgan, *see* B-00099
Surgestone, *see* P-00476
▷Surheme, *in* B-00385
Suricainide, S-00277
Suricainide maleate, *in* S-00277
Suriclone, S-00278
▷Surital, *in* T-00180
Surmin, *in* A-00212
▷Surmontil, *see* T-00516
▷Surodil, *see* C-00091
▷Sursum, *see* I-00158
Survector, *in* A-00200
Susat, *in* M-00257
Sutilains, S-00279
▷Sutoprofen, *see* S-00274
▷Suvren, *in* C-00033
▷Suxamethonium(2+), S-00280
Suxamethonium bromide, *in* S-00280
▷Suxamethonium chloride, *in* S-00280
▷Sux-Cert, *in* S-00280
Suxemerid, S-00281
Suxemerid sulfate, *in* S-00281
Suxethonium(2+), S-00282
Suxethonium bromide, *in* S-00282
Suxethonium chloride, *in* S-00282
▷Suxibuzone, S-00283
▷Svedocain, *see* B-00368
▷SW 77, *see* P-00249
SW 5063, *in* T-00179
▷Sweeta, *see* S-00002
▷Swiss Blue, *in* B-00208
SX 810, *in* B-00131
SY-1, *in* S-00017
Sycotrol, *see* P-00291
▷SYD 230, *see* C-00430
▷Sydnocarb, *see* M-00133
7-(Sydnone-3-acetamido)-3-(5-methyl-1,3,4-thiadiazol-2-ylthiomethyl)-3-cephem-4-carboxylic acid, *see* C-00113
▷Sydnopharm, *see* M-00425
▷Sydnophen, *in* F-00086
▷Sylador (obsol.), *in* P-00129
Symasul, *see* S-00210
▷Symclosene, *see* T-00442
▷Symcor, *in* T-00236
Symetine, S-00284
Symetine hydrochloride, *in* S-00284
▷Symmetrel, *in* A-00206
▷Sympal, *see* T-00227
▷Sympathol, *see* S-00286
▷*m*-Sympatol, *in* A-00272
▷Symphon-Actiphon, *see* M-00372
▷Sympocaine, *see* A-00172
Symprocaine active substance, *see* G-00090
▷Synaclyn, *see* F-00167
Syn-Acthar, *in* S-00045
▷Synacthen, *see* T-00108
▷Synalar, *in* F-00172
▷Synandrets, *see* H-00154
▷Synandrol, *in* H-00111
▷Synandrone, *in* F-00172
▷Synanthic, *see* O-00108
Synchrocept, *see* P-00529
Synchrocept *B*, *see* F-00074
Synchrodyn, *see* A-00152
▷Syncillin, *in* P-00152
Synclopred, *see* C-00489
Syncothrecin *A*, *see* O-00068
Syncuma, *in* T-00508
▷Syncurine, *in* D-00036
Syndyphalin, S-00285
▷Synemol, *in* F-00172
▷Synephrine, S-00286
▷Syneptine, *in* L-00032
Synergistin-A1, *see* O-00068
▷Synestrin, *in* D-00257
▷Synestrol, *see* D-00223
Syngard, *see* E-00067
Synkamine, *in* A-00285
Synkavit, *in* D-00333
▷Synkayvite, *in* D-00333
▷Synklit, *see* F-00153
▷Synnematin *B*, *see* P-00066
▷Synocarb, *see* M-00133
Synoestrol, *see* B-00220
▷Synogil, *see* P-00253
▷Synopen, *in* H-00019
Synoval, *see* T-00003
▷Synovex, *in* O-00028
▷Synrex, *in* C-00055
▷Synstigmine, *see* N-00070
Syntabil, *in* T-00508
▷Syntaris, *see* F-00167
Syntaverin, *in* D-00490
▷Syntaverin, *see* M-00267
Syntestan, *see* C-00489
▷Syntetrin, *see* R-00078

Synthalin *A*, *see* D-00037
▷Synthaverine, *see* M-00267
Synthetic capsaicin, *see* N-00205
Synthetic hydrotalcite, JAN, *see* H-00103
Synthila, *in* D-00257
Synthobilin, *in* T-00508
▷Synthomycin, *see* C-00195
Syntopherol, *see* T-00335
▷Syntropan, *in* A-00371
▷Synulox, *in* C-00410
Synval, *see* T-00003
Synvinolin, *see* S-00075
▷Syracort, *see* F-00175
▷Syraprim, *see* T-00501
▷Syriogenin, *in* T-00473
▷Syrosingopine, S-00287
▷Systamex, *see* O-00108
▷Systral, *in* C-00294
Sytobex-*H*, *see* V-00061
▷Sytron, *in* E-00186
Sz 45, *see* E-00039
▷T_3, *in* T-00487
T 61, *in* M-00034
▷T 113, *see* B-00413
T 1220, *see* P-00283
T 1551, *in* C-00136
▷T 1824, *see* A-00532
▷T 1982, *in* C-00121
T 2525, *see* C-00153
T 2588, *in* C-00153
▷T 2636*A*, *in* B-00362
▷T 2636*C*, *see* B-00362
T 3303, *see* P-00456
T 804*A*, *see* A-00092
▷TA_3, *see* T-00322
TA 28, *see* B-00078
TA 48, *see* F-00290
TA 058, *see* A-00465
TA 064, *see* D-00074
▷TA 2407, *see* A-00099
▷TA-306, *in* M-00476
TA 6366, *in* I-00029
Tabilautide, T-00001
▷Tabloid, *see* T-00202
▷Tacaryl, *in* M-00177
▷TACE, *see* C-00290
▷Tacef, *in* C-00130
Tachicol, *in* E-00193
Tachmalcor, *in* D-00104
▷Tachyrol, *see* D-00304
▷Tacital, *in* B-00090
▷Tacitil, *in* B-00090
▷Tacitin, *in* B-00090
Tackle, *see* S-00066
Taclamine, T-00002
Taclamine hydrochloride, *in* T-00002
▷Tacrine, *see* A-00333
▷Tacryl, *in* M-00177
TAF, *see* A-00384
▷Tagamet, *see* C-00350
Tagathen, *in* C-00282
Taglutimide, T-00003
▷TAI 284, *see* C-00225
▷Taiguic acid, *see* H-00157
Taional, *in* G-00070
Takatonine, T-00004
▷Takedrol, *in* C-00140
▷Takelan, *in* B-00362
▷Takineocol, *see* P-00491
▷Taktic, *see* A-00349
Takus, *in* C-00005
▷Talacort, *in* D-00270
Talakt, *in* A-00108
▷Talamo, *in* A-00352
Talampicillin, T-00005
▷Talampicillin hydrochloride, *in* T-00005
Talastine, T-00006
▷Talatrol, *see* A-00268
▷Talbutal, T-00007
Talcid, *see* H-00103
Taleranol, *in* D-00035
▷Taleudron, *see* P-00227
Talidan, *see* T-00394
▷Talinolol, T-00008
Talipexole, T-00009
▷Talisomycin, *see* T-00010
▷Talisomycin *A*, *see* T-00010
▷Tallysomycin *A*, T-00010
Talmetacin, T-00011
Talmetoprim, T-00012
▷Talniflumate, T-00013
▷Talodex, *see* F-00078
Talopram, T-00014
▷Talopram hydrochloride, *in* T-00014
Talosalate, T-00015
Taloximine, T-00016
▷Talpen, *in* T-00005
▷Talpran, *in* D-00482
Talsigel, *see* P-00225
Talsis, *in* B-00234
Talsupram, T-00017
Taltibride, *see* M-00318
Taltrimide, T-00018
Taludipine, T-00019
▷Talval, *see* H-00130
▷Talwin, *see* P-00093
Tamaxin, *see* T-00023
Tambocor, *in* F-00114
Tameridone, T-00020
Tameticillin, *in* M-00180
Tametraline, T-00021
Tametraline hydrochloride, *in* T-00021
Tamitinol, T-00022
Tamofen, *see* T-00023
Tamoplex, *see* T-00023
Tamoxifen, T-00023
▷Tamoxifen citrate, *in* T-00023
Tampramine, T-00024
Tampramine fumarate, *in* T-00024
Tanacain, *see* Q-00003
▷Tanaclone, *in* D-00623
Tanamicin, *in* D-00080
Tandamine, T-00025
▷Tandamine hydrochloride, *in* T-00025
▷Tanderil, *see* O-00158
Tandospirone, T-00026
▷Tanicaine, *see* P-00135
▷Tantum, *in* B-00105
▷TAO, *in* O-00035
▷Taoryl, *in* C-00037
TAP 031, *see* F-00096
TAP 144, *in* L-00035
Tapazol, *in* B-00202
▷Tapazole, *see* D-00289
Taprostene, T-00027
Taquidil, *in* T-00332
▷Taractan, *in* C-00300
Tarcuzate, *in* M-00439
Tardak, *in* D-00054
Tardastren, *in* D-00054
Tardastrex, *in* D-00054
Tardisal, *see* H-00115
Tardoginestryl, *in* O-00028
▷Tarichatoxin, *see* T-00156
Tarodyl, *in* G-00070
Tarodyn, *in* G-00070
Taropid, *see* T-00018
▷Tarosept, *see* C-00235
Tarotiolol, *see* A-00447
▷Tarpan, *in* C-00434
▷Tartar emetic, *see* A-00414
Tartaric acid, T-00028

▷Tasadox, *in* F-00240
▷Taskil, *see* M-00013
Tasmaderm, *see* M-00456
▷Tasmin, *see* G-00057
▷Tasmolin, *see* B-00175
Tasolid, *see* T-00018
Tasteless Quinine, *in* Q-00028
Taston, *in* B-00220
Tasuldine, T-00029
TAT-3, *see* P-00239
▷TATD, *see* O-00023
▷Taucorten, *in* T-00419
▷Tauliz, *see* P-00323
▷Taumidrine, *see* B-00106
Tauredon, *in* M-00115
Tauricyt, *see* T-00033
▷Taurine, T-00030
Taurochenodeoxycholic acid, *in* D-00320
▷Taurocholic acid, T-00031
Taurocyamine, *see* G-00112
Tauroflex, *see* T-00032
Taurolidine, T-00032
Taurolin, *see* T-00032
Tauromustine, T-00033
Tauroselcholic acid, T-00034
Taurultam, *see* T-00134
▷Tavegil, *in* C-00416
▷Tavor, *see* T-00342
Taxicatigenin, *in* B-00076
Taxicatin, *in* B-00076
▷Taxilan, *see* P-00116
Taxodione, T-00035
Taxodone, T-00036
▷Taxol, T-00037
Tazadolene, T-00038
Tazadolene succinate, *in* T-00038
Tazanolast, T-00039
Tazasubrate, T-00040
Tazeprofen, *see* M-00287
▷Tazicef, *see* C-00152
▷Tazidine, *see* C-00152
Tazifylline, T-00041
Tazifylline hydrochloride, *in* T-00041
Taziprinone, T-00042
Tazobactam, T-00043
Tazoline, *in* O-00015
Tazolol, T-00044
Tazolol hydrochloride, *in* T-00044
TBF 43, *see* A-00022
▷TBI/698, *in* A-00210
TBIC, *see* F-00099
TB III/1347, *see* S-00170
▷TBI/PAB, *in* T-00419
▷TC 109, *see* T-00072
▷T-cain, *in* A-00216
TCAP, *in* H-00044
▷TCC, *see* C-00262
T-cell growth factor, *see* I-00081
TCGF, *see* I-00081
▷TCl, *see* C-00603
TCN, *see* T-00445
▷TCV 3*B*, *see* V-00042
▷TD 73, *see* I-00094
TDHL, *see* T-00090
TDM 85-530, *see* A-00500
TE 031, *in* E-00115
TE 114, *in* T-00257
▷Teatrois, *see* T-00322
Tebatizole, T-00045
▷Tebrazid, *in* P-00560
▷Tebron, *see* B-00320
Tebuquine, T-00046
Teceleukin, *in* I-00081
Teceos, *see* B-00397
Technetium sestamibi, *in* M-00205
Technetium tiatide, *in* M-00129
Teclothiazide, T-00047
Teclozan, T-00048
Teclozine, *see* T-00048
▷Tecomanine, T-00049
▷Tecomin, *see* H-00157
▷Tecomine, *see* T-00049
Tecoplanin, *see* T-00056
▷Tedegyl, *see* T-00195
Tedisamil, T-00050
▷Tedral, *in* M-00221
▷Teecaine, *in* A-00216
▷Tefamin, *in* T-00169
Tefazoline, T-00051
Tefenperate, T-00052
Tefludazine, T-00053
Teflurane, *see* B-00319
Teflutixol, T-00054
▷Teforin, *in* P-00156
▷Tegafur, T-00055
▷Tega-Nyl, *in* M-00256
▷Tegapen, *in* C-00515
▷Tegison, *in* A-00041
Tegobetaine, *see* P-00060
▷Tegosept *B*, *in* H-00113
▷Tegosept *E*, *in* H-00113
▷Tegosept *M*, *in* H-00113
TEI 3096, *see* N-00230
TEI-5103, *see* R-00096
Teichomycin, T-00056
Teichomycin A_1, *in* T-00056
▷Teichomycin A_2, *in* T-00056
Teicoplanin, *see* T-00056
▷Tekodin, *in* O-00155
Telazol, *in* Z-00028
▷Teldane, *see* T-00088
▷Teldrin "Ralay", *in* M-00064
▷Telebrin 300, *see* M-00343
Telebrix, *in* D-00138
Telenzepine, T-00057
▷Telepaque, *see* I-00125
Telipex aquosum, *in* H-00111
Telipex Retard, *in* H-00111
▷Telmin, *see* M-00031
Telocort, *see* C-00624
Telon, *see* B-00100
Telopar, *in* O-00087
▷TEM, *see* T-00416
Temafloxacin, T-00058
▷Temaril, *in* T-00495
Temarotene, T-00059
▷Temasept I, *in* B-00292
▷Temazepam, *in* O-00096
▷Temazepam dimethyl carbamate, *see* C-00019
▷Temefos, *see* T-00061
Temelastine, T-00060
▷Temephos, T-00061
▷Temetex, *in* D-00270
Temocillin, T-00062
Temodox, T-00063
Temofel, *see* E-00183
Temopen, *in* T-00062
▷Temovate, *in* C-00437
Temozolomide, T-00064
Temposil, *in* A-00264
Temposil, *in* A-00264
Temposil, *in* C-00579
Temurtide, T-00065
▷Tenakrin, *see* A-00333
▷Tenalet, *in* C-00102
▷Tenalin (new), *in* C-00102
▷Tenamfetamine, T-00066
Tenaphthoxaline, *see* T-00051
Tenaxil, *see* T-00097
Tendamistat, T-00067
▷Tendor, *in* D-00033
▷Tenebrimycin, *see* N-00058

▷Tenebryl, *in* D-00359
▷Tenemycin, *see* N-00058
Tenex, *in* G-00103
▷Tenfidil, *see* T-00165
▷Tenicid, *see* I-00100
Tenidap, T-00068
Tenilapine, T-00069
Teniloxazine, T-00070
Tenilsetam, *see* T-00188
▷Teniposide, T-00071
▷Tennecetin, *see* P-00253
▷Tenocyclidine, *see* T-00187
Tenoglicine, *see* S-00145
▷Tenonitrozole, T-00072
Tenormal, *in* P-00085
▷Tenormin, *see* A-00468
Tenoxicam, T-00073
▷Tensatrin, *in* P-00543
▷Tensibar, *in* R-00029
Tensiflex "Bago", *in* P-00514
▷Tensilon, *in* E-00016
Tensinase, *see* D-00497
Tensionorm, *see* D-00497
▷Tensiopress, *in* T-00337
Tensiplex, *in* E-00003
▷Tensium, *see* D-00148
Tensodex, *in* D-00135
▷Tensodiural, *see* C-00639
Tenstatin, *see* C-00327
▷Tentone, *in* M-00190
▷Tenuate, *see* D-00240
Tenylidone, *see* B-00237
Teofizina, *in* T-00169
▷Teolit, *see* T-00100
Teonicon, *in* P-00254
Teopranitol, T-00074
▷Teoprolol, T-00075
▷Teoquil, *in* H-00023
Teorema, *see* G-00052
Teoremac, *see* G-00052
Teoremin, *see* G-00052
▷TEP, *see* T-00187
▷Tepanil, *see* D-00240
Tepirindole, T-00076
▷Tepiron, *see* R-00016
Tepoxalin, T-00077
▷TEPP, *see* T-00112
Teprenone, JAN, T-00078
Teprin, *see* C-00436
Teproside, *in* T-00170
Teprosilic acid, *see* T-00170
Teprotide, T-00079
TER 1546, *see* S-00228
Terapterin, *see* P-00555
Terasin, *see* T-00137
Terazosin, T-00080
Terazosin hydrochloride, *in* T-00080
Terbinafine, T-00081
Terbuclomine, *see* P-00059
Terbucromil, T-00082
▷Terbufibrol, T-00083
Terbuficin, *see* B-00203
Terbuprol, *see* B-00422
▷Terbutaline, T-00084
Terbutaline bis(dimethylcarbamate), *in* T-00084
Terbutaline diisobutyrate, *in* T-00084
Terbutaline dipivalate, *in* T-00084
Terbutaline di(*p*-toluate), *in* T-00084
▷Terbutaline sulfate, *in* T-00084
▷Tercian, *see* C-00578
Terciprazine, T-00085
Terconazole, T-00086
Tercospor, *see* T-00086
▷Terdina, *see* T-00088
Terenol, *in* D-00317
Terephthalic acid mono-5,5,8,8-tetramethyl-5,6,7,8-tetrahydro-2-naphthylamide, *see* T-00131
Terephtyl, T-00087
▷Terfenadine, T-00088
Terflurane, *see* B-00319
Terfluranol, T-00089
▷Tergitol 4, *in* E-00209
Terguride, T-00090
▷Teridax, *see* I-00128
▷Terinin, *see* P-00043
▷Terion, *in* F-00240
Teriparatide, T-00091
Teriparatide acetate, USAN, *in* T-00091
Terisal, *see* P-00035
▷Terit, *in* C-00612
Terivalidan, *see* T-00092
Terizidone, T-00092
Terlipressin, T-00093
Ternidazole, T-00094
Terodiline, *in* D-00489
Terodiline hydrochloride, *in* D-00489
▷Terofenamate, *in* M-00045
▷Terolut, *see* D-00624
▷Teronac, *see* M-00029
Terondit, *in* O-00050
Teroxalene, T-00095
Teroxalene hydrochloride, *in* T-00095
Teroxirone, T-00096
▷Terpane, *see* C-00360
Terpin, *see* H-00216
Terpinol, *see* H-00216
▷Terpiridil, *see* T-00088
▷Terramycin, *see* O-00166
▷Terratrex, *in* G-00097
▷Tersan, *see* T-00149
▷Tersavid, *see* P-00365
▷Tersigat, *in* O-00123
Tertatolol, T-00097
N-tert-Butylarterenol, *see* C-00537
N-tert-Butylnoradrenaline, *see* C-00537
▷Tertran, *see* I-00157
Tertroxin, *in* T-00487
Tesicam, T-00098
Tesimide, T-00099
▷Teslac, *see* T-00100
▷Teslak, *see* T-00100
Tesoprel, *see* B-00324
▷Tespamin, *see* T-00211
▷Tessalin, *see* B-00094
▷Tessalon, *see* B-00094
▷Testavol, *see* V-00058
Testazid, *see* A-00256
Testiwop, *see* M-00137
Testobolin, *in* H-00185
Testocryst, *in* H-00111
▷Testolactone, T-00100
▷Δ^1-Testololactone, *see* T-00100
Testopan, *see* P-00072
▷Testora, *see* H-00154
Testosid-Depot, *in* H-00111
▷Testosterone, *in* H-00111
▷*epi*-Testosterone, *in* H-00111
Testosterone acetate, *in* H-00111
Testosterone caprinoylacetate, *in* H-00111
Testosterone cyclohexylmethylcarbonate, *in* H-00111
Testosterone cyclohexylpropionate, *in* H-00111
▷Testosterone cyclopentylpropionate, *in* H-00111
▷Testosterone cypionate, *in* H-00111
Testosterone decanoate, *in* H-00111
▷Testosterone enanthate, *in* H-00111
Testosterone enanthate benziloylhydrazone, *in* H-00111
Testosterone furoate, *in* H-00111
▷Testosterone heptanoate, *in* H-00111
▷Testosterone hexahydrobenzoate, *in* H-00111
Testosterone hexahydrobenzyl carbonate, *in* H-00111
Testosterone hexyloxyphenylpropionate, *in* H-00111
▷Testosterone hydrocinnamate, *in* H-00111
Testosterone isobutyrate, *in* H-00111

Testosterone isocaproate, *in* H-00111
Testosterone ketolaurate, *in* H-00111
Testosterone 4-methylvalerate, *in* H-00111
Testosterone nicotinate, *in* H-00111
Testosterone phenylacetate, *in* H-00111
▷Testosterone phenylpropionate, *in* H-00111
Testosterone phosphate, *in* H-00111
▷Testosterone propionate, *in* H-00111
Testosterone undecanoate, *in* H-00111
▷Testostroval, *in* H-00111
▷Testred, *see* H-00154
▷Tetmosol, *see* M-00430
Tetnicoran, *in* M-00308
Tetprenone, *see* T-00078
2,3,4,5-Tetra-*O*-acetyl-1,6-di-*O*-tosyl-D-mannitol, *in* M-00018
1,2,3,4-Tetra-*O*-acetylerythritol, *in* E-00114
1,2,5,6-Tetra-*O*-acetyl-*myo*-inositol, *in* I-00074
S-2,3,4,5-Tetraacetyl-1-thioglucopyranosato(triethylphosphine)-gold, *see* A-00475
Tetra-*O*-acetyl-α-L-xylofuranose, *in* X-00024
Tetra-*O*-acetyl-α-D-xylopyranose, *in* X-00024
Tetra-*O*-acetyl-β-D-xylopyranose, *in* X-00024
Tetra-*O*-acetyl-β-L-xylopyranose, *in* X-00024
▷Tetraallyl methylenediphosphonate, *in* M-00168
▷7,8,9,10-Tetraazabicyclo[5.3.0]deca-8,10-diene, *see* T-00133
1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, T-00101
▷1,3,5,7-Tetraazatricyclo[3.3.1.1^{3,7}]decane, *see* H-00057
Tetrabamate, *in* D-00260
▷Tetrabamate, *in* E-00218
▷Tetrabamate, *in* F-00022
▷Tetrabarbital, *see* E-00188
▷Tetrabenazine, T-00102
2,3,4,5-Tetra-*O*-benzoyl-1,6-di-*O*-tosyl-D-mannitol, *in* M-00018
1,2,3,4-Tetra-*O*-benzoylerythritol, *in* E-00114
1,2,3,4-Tetra-*O*-benzoyl-α-D-xylopyranoside, *in* X-00024
2,3,4,5-Tetra-*O*-benzoyl-β-L-xylopyranoside, *in* X-00024
▷Tetrabiguanide, *see* G-00097
3,3′,5,5′-Tetrabromo[1,1′-biphenyl]-2,2′-diol, T-00103
4,4′,6,6′-Tetrabromo[1,1′-biphenyl]-2,2′-diol, *see* T-00103
3,3′,5,5′-Tetrabromo[1,1′-biphenyl]-2,2′-diol mono-(dihydrogenphosphate), *in* T-00103
4,5,6,7-Tetrabromo-2-hydroxy-1,3,2-benzodioxabismole, *see* B-00152
▷3,3′-(4,5,6,7-Tetrabromo-3-oxo-1(3*H*)-isobenzofuranylidene)-bis[6-hydroxybenzenesulfonic acid], *see* S-00218
▷Tetracaine, T-00104
▷Tetracaine hydrochloride, *in* T-00104
▷Tetracap, *see* T-00106
▷Tetracemin, *see* E-00186
Tetrachlormethiazide, *see* T-00047
▷Tetrachloro(1,2-cyclohexanediamine-*N*,*N*′)platinum, *see* T-00153
4,5,6,7-Tetrachloro-2,3-dihydro-2-methyl-2-[2-(trimethylammonio)ethyl]-1*H*-isoindolium, *see* C-00207
4,5,6,7-Tetrachloro-3′,6′-dihydroxy-2′,4′,5′,7′-tetraiodospiro[isobenzofuran-1(3*H*),9′-[9*H*]-xanthene]-3-one, T-00105
▷Tetrachloroethene, *see* T-00106
▷Tetrachloroethylene, T-00106
▷Tetrachloromethane, *see* C-00059
4,5,6,7-Tetrachloro-2′,4′,5′,7′-tetraiodofluorescein, *see* T-00105
▷Tetrachlorvinphos, T-00107
▷Tetracosactide, *see* T-00108
Tetracosactide acetate, JAN, *in* T-00108
▷Tetracosactrin, T-00108
▷Tetracycline, T-00109
▷Tetracycline hydrochloride, *in* T-00109
Tetracycline phosphate complex, *in* T-00109
[α-(Tetracyclino-*N*-methylamino)-α-phenylacetamido]-6-penicillanic acid, *see* P-00069
3′,4′,6,7,8,9,11,12,13,14,15,16,20,21-Tetradecahydro-10,13-dimethylspiro[17*H*-dicyclopropa[6,7:15,16]-cyclopenta[*a*]-phenanthrene-17,2′(5′-*H*)-furan]-3(10*H*)-5′-dione, *see* S-00127
2-(Tetradecylamino)ethanol, *see* H-00133
2-Tetradecylglycidic acid, *see* T-00110
2-Tetradecyloxiranecarboxylic acid, T-00110
▷6,7,8,14-Tetradehydro-4,5-epoxy-3,6-dimethoxy-17-methylmorphinan, *see* T-00162
Tetradonium, *see* T-00512
▷Tetradonium bromide, *in* T-00512
Tetraethoxy-1,4-benzoquinone, *in* T-00137
1,1,2,2-Tetraethoxypropane, *in* P-00600
▷Tetraethylammonium(1+), T-00111
N,*N*,*N*′,*N*′-Tetraethylbicyclo[2.2.1]hept-5-ene-2,3-dicarboxamide, *see* E-00048
Tetraethyl dichloromethylenebisphosphonate, *in* D-00194
▷Tetraethyl diphosphate, *see* T-00112
Tetraethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132
▷Tetraethyl methylenebisphosphonate, *in* M-00168
N,*N*,*N*′,*N*′-Tetraethyl-5-norbornene-2,3-dicarboxamide, *see* E-00048
▷Tetraethylpapaverine, *see* E-00150
▷Tetraethyl pyrophosphate, T-00112
▷Tetraethylthiodicarbonic acid diamide, *see* M-00430
▷Tetraethyl thioperoxydicarbonic diamide, *see* D-00542
▷Tetraethylthiuram disulfide, *see* D-00542
1,1,1,2-Tetrafluoroethane, T-00113
▷2,2,3,3-Tetrafluoropropyl bromide, *see* B-00320
Tetraform, *see* B-00152
▷1,2,3,4-Tetrahydro-9-acridinamine, *see* A-00333
4,5,6,7-Tetrahydro-6-benzothiazolamine, *see* A-00334
Tetrahydro-3,5-bis(phenylmethyl)-2*H*-1,3,5-thiadiazine-2-thione, *see* S-00183
Δ^{1}-Tetrahydrocannabinol, *see* T-00115
Δ^{8}-Tetrahydrocannabinol, T-00114
Δ^{9}-Tetrahydrocannabinol, T-00115
Δ$^{6(1)}$-Tetrahydrocannabinol, *see* T-00114
▷Tetrahydrodiazepam, *see* T-00154
Tetrahydro-1*H*-1,4-diazepine-1,4(5*H*)-dipropanediyl 3,4,5-trimethoxybenzoate, *see* D-00370
2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]indole, T-00116
▷1,2,3,11*a*-Tetrahydro-3,8-dihydroxy-7-methoxy-5*H*-pyrrolo[2,1-*c*][1,4]benzodiazepin-5-one, *see* N-00072
▷5,10,11,11*a*-Tetrahydro-9,11-dihydroxy-8-methyl-5-oxo-1*H*-pyrrolo[2,1-*c*][1,4]benzodiazepine-2-acrylamide, *see* A-00403
4-[2-(1,2,4,5-Tetrahydro-7,8-dimethoxy-3*H*-3-benzazepin-3-yl)-ethyl)]benzenamine, *see* V-00021
6,7,8,9-Tetrahydro-2,12-dimethoxy-7-methyl-6-phenethyl-5*H*-dibenz[*d*,*f*]azonin-1-ol, *see* A-00457
2,3,4,5-Tetrahydro-7,8-dimethoxy-3-methyl-1-phenyl-1*H*-3-benzazepine, *see* T-00412
2,3,6,7-Tetrahydro-9,10-dimethoxy-3-methyl-2-[(2,4,6-trimethylphenyl)imino]-4*H*-pyrimido[6,1-*a*]isoquinolin-4-one, *see* T-00415
4,5,6,7-Tetrahydro-*N*,2-dimethyl-5-benzothiazolemethanamine, *see* M-00020
2,3,4,9-Tetrahydro-*N*,*N*-dimethyl-1*H*-carbazol-3-amine, *see* D-00422
1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purine-7-acetic acid, *see* A-00011
1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purine-7-propanesulfonic acid, *see* T-00170
2,3,6,7-Tetrahydro-7,9-dimethyl-2,6-dioxo-1*H*-purinium hydroxide inner salt, *in* X-00002
▷2-(1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purin-7-yl)-ethyl 2-(4-chlorophenoxy)-2-methylpropanoate, *see* T-00168
1,2,3,7-Tetrahydro-6,7-dimethyl-5-phenylpyrrolo[3,4-*e*]-1,4-diazepin-2-one, *see* P-00418
7,8,9,10-Tetrahydro-1,9-dimethyl-6*H*-pyrido[4,3-*b*]thieno-[3,2-*e*]indole, *see* T-00260
▷1,2,3,6-Tetrahydro-2,6-dioxo-4-pyrimidinecarboxylic acid, *see* O-00061

N-[(1,2,3,6-Tetrahydro-2,6-dioxo-4-pyrimidinyl)carbonyl]-L-histidyl-L-prolinamide, *see* O-00062
2-Tetrahydrofurfuryl-1*H*-benzo[*c*]pyrazolo[1,2-*a*]cinnoline-1,3(2*H*)-dione, *see* C-00373
Tetrahydrofurfuryl (*o*-carbamoylphenoxy)acetate, *see* F-00035
Tetrahydrofurfuryl nicotinate, *see* T-00222
1-(2′-Tetrahydrofurfuryloxyethyl)norpethidine, *see* F-00290
Tetrahydroglaziovine, *in* G-00029
1,2,3,4-Tetrahydro-3-[(2-hydroxyethyl)amino]-5,8-dimethoxy-2-naphthalenol, *see* T-00150
▷2,3,5*a*,6-Tetrahydro-6-hydroxy-3-(hydroxymethyl)-2-methyl-10*H*-3,10*a*-epidithiopyrazino[1,2-*a*]indole-1,4-dione, *see* G-00041
Tetrahydro-2-[3-hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridyl]-2*H*-1,3-thiazine-4-carboxylic acid, *see* T-00242
1,4,5,6-Tetrahydro-5-hydroxy-4-(3-hydroxy-1-octenyl)-1-phenylcyclopenta[*b*]pyrrole-2-pentanoic acid, *see* P-00334
▷2,3,3*a*,9*a*-Tetrahydro-3-hydroxy-6-imino-6*H*-furo[2′,3′:4,5]-oxazolo[3,2-*a*]pyrimidine-2-methanol, *see* C-00600
1,2,3,4-Tetrahydro-8-[2-hydroxy-3-(isopropylamino)propoxy]-1-nicotinoylquinoline, *see* N-00085
1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline, T-00117
▷3,4,5,10-Tetrahydro-9-hydroxy-1-methyl-5,10-dioxo-1*H*-naphtho[2,3-*c*]pyran-3-acetic acid, *see* N-00036
1,2,3,4-Tetrahydro-8-[2-hydroxy-3-[(1-methylethyl)amino]-propoxy]-1-(3-pyridinylcarbonyl)qunoline, *see* N-00085
2-[1,2,3,6-Tetrahydro-3-hydroxy-1-(1-methylethyl)-6-oxo-5*H*-indol-5-ylidene]hydrazinecarboxamide, *see* I-00156
3,3*a*,5,11*b*-Tetrahydro-7-hydroxy-5-methyl-2*H*-furo[3,2-*b*]-naphtho[2,3-*d*]pyran-2,6,11-trione, *see* K-00002
2-(1,2,3,6-Tetrahydro-3-hydroxy-1-methyl-6-oxo-5*H*-indol-5-ylidene)hydrazinecarboxamide, *in* A-00077
1,2,3,4-Tetrahydro-7-[2-[4-(hydroxymethyl)phenyl]-1-methylethenyl]-1,1,4,4-tetramethyl-2-naphthalenol, *see* D-00585
1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid, T-00118
1,2,3,4-Tetrahydro-1-hydroxy-2-naphthoic acid, *see* T-00118
1,4*a*,5,7*a*-Tetrahydro-5-hydroxy-8-oxo-1,5-(epoxymethano)-cyclopenta[*c*]pyran-3-carboxamide, *see* E-00005
6,7,8,9-Tetrahydro-5-hydroxy-4-oxo-10-propyl-4*H*-benzo[*g*]-chromene-2-carboxylic acid, *see* P-00548
6,7,8,9-Tetrahydro-5-hydroxy-4-oxo-10-propyl-4*H*-naphtho[2,3-*b*]pyran-2-carboxylic acid, *see* P-00548
4,5,6,7-Tetrahydro-2*H*-indazol-3-amine, T-00119
▷1,2,3,4-Tetrahydro-2-[(isopropylamino)methyl]-7-nitro-6-quinolinemethanol, *see* O-00084
▷1,2,3,4-Tetrahydroisoquinoline, T-00120
4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol, T-00121
4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3(2*H*)-one, *see* T-00121
Tetrahydrolipstatin, *in* L-00055
Tetrahydromenaquinones, *in* V-00065
2,3,6,7-Tetrahydro-2-(mesitylimino)-9,10-dimethoxy-3-methyl-4*H*-pyrimido[6,1-*a*]isoquinolin-4-one, *see* T-00415
3*a*,4,7,7*a*-Tetrahydro-4,7-methanoisobenzofuran-1,3-dione, *in* B-00157
3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *in* B-00157
▷*O*-(1,2,3,4-Tetrahydro-1,4-methanonaphthalen-6-yl) methyl(3-methylphenyl)carbamothioate, *see* T-00346
1,2,3,4-Tetrahydro-9-methoxyellipticine, *in* M-00198
4-[2-(1,2,4,5-Tetrahydro-8-methoxy-2-methyl-3*H*-3-benzazepin-3-yl)ethyl]benzenamine, *see* A-00391
5,6,6*a*,7-Tetrahydro-10-methoxy-6-methyl-4*H*-dibenzo[*de*,*g*]-quinoline-2,11-diol, *see* M-00452
5,6,7,8-Tetrahydro-4-methoxy-6-methyl-1,3-dioxolo[4,5-*g*]-isoquinolin-5-ol, *see* C-00552
1,2,3,4-Tetrahydro-7-methoxy-1-methyl-6-isoquinolinol, *see* T-00117
2,4,5,6-Tetrahydro-9-methoxy-4-methyl-1*H*-3,4,6*a*-triazafluoranthene, *see* M-00340
N-[Tetrahydro-2-(4-methoxyphenyl)-3-oxo-2*H*-1,2-thiazin-4-yl]-benzamide 1,1-dioxide, *see* D-00153
2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol, T-00122
3*a*,4,7,7*a*-Tetrahydro-3-[[(methylamino)carbonyl]oxy]-4,7-methanoisobenzofuran-1(3*H*)-one, *see* M-00458
2,3,7,8-Tetrahydro-3-(methylamino)-1*H*-quino[1,8-*ab*][1]-benzazepine, *see* C-00331
▷6-(5,6,7,8-Tetrahydro-6-methyl-1,3-benzodioxolo[4,5-*g*]-isoquinolin-5-yl)furo[3,4-*e*]-1,3-benzodioxol-8(6*H*)one, *see* B-00156
4,5,6,7-Tetrahydro-*N*-methyl-6-benzothiazolamine, *in* A-00334
2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]-cyclohepta[1,2-*c*]pyridine, T-00123
▷5,6,6*a*,7-Tetrahydro-6-methyl-4*H*-dibenzo[*de*,*g*]quinoline-10,11-diol, *see* A-00425
2,3,4,5-Tetrahydro-3-methyl-1*H*-dibenzo[2,3:6,7]-thiepino[4,5-*d*]azepine-7-carbonitrile, *see* C-00401
2,3,4,5-Tetrahydro-3-methyl-1*H*-dibenz[2,3:6,7]oxepino[4,5-*d*]-azepine, *see* M-00025
1,2,3,4-Tetrahydro-2-methyl-1,4-dioxo-2-naphthalenesulfonic acid sodium salt, *in* M-00271
2-[(1,2,3,4-Tetrahydro-7-methyl-1,4-ethanonaphthalen-6-yl)-methyl]-2-imidazoline, *see* M-00339
▷1,2,3,4-Tetrahydro-2-[[(1-methylethyl)amino]methyl]-7-nitro-6-quinolinemethanol, *see* O-00084
4,5,6,7-Tetrahydro-2-methyl-5-[(methylamino)methyl]-benzathiazole, *see* M-00020
1,2,3,9-Tetrahydro-9-methyl-3-[(2-methyl-1*H*-imidazol-1-yl)-methyl]-4*H*-carbazol-4-one, *see* O-00048
Tetrahydro-*N*-methyl-2-(6-methyl-2-pyridinyl)-2-thiophenecarbothioamide, *see* L-00111
▷1,4,5,6-Tetrahydro-1-methyl-2-[2-(3-methyl-2-thienyl)-ethenyl]-pyrimidine, *see* M-00438
▷1,4,5,6-Tetrahydro-1-methyl-2-[2-(3-methylthien-2-yl)-vinyl]-pyrimidine, *see* M-00438
3,4,6,7-Tetrahydro-1-methyl-6-oxo-1*H*-pyrano[3,4-*c*]-pyridine-5-carboxaldehyde, T-00124
1,4,5,6-Tetrahydro-1-methyl-6-oxo-3-pyridazinecarboxamide, *see* M-00054
▷3,4,5,6-Tetrahydro-5-methyl-1-phenyl-1*H*-2,5-benzoxazocine, *see* N-00063
2,3,4,9-Tetrahydro-2-methyl-9-phenyl-1*H*-indeno[2,1-*c*]pyridine, *see* P-00156
▷1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, T-00125
2,3,4,5-Tetrahydro-2-methyl-5-(phenylmethyl)-1*H*-pyrido[4,3-*b*]indole, *see* M-00035
1,2,3,4-Tetrahydro-*N*-methyl-4-phenyl-1-naphthalenamine, *see* T-00021
5,6,7,8-Tetrahydro-6-[4-(2-methylphenyl)-1-piperazinyl)-2-naphthalenol, *see* T-00355
5,6,7,8-Tetrahydro-α-[[(1-methylpropyl)amino]methyl]-2-naphthalenemethanol, *see* B-00403
1,3,4,14*b*-Tetrahydro-2-methyl-2*H*,10*H*-pyrazino[1,2-*a*]-pyrrolo[2,1-*c*][1,4]benzodiazepine, *see* A-00433
▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, T-00126
Tetrahydro-*N*-methyl-2-(2-pyridinyl)-2-thiophenecarbothioamide, *see* P-00231
3-[2-(1,4,5,6-Tetrahydro-1-methyl-2-pyrimidinyl)ethenyl]phenol, *see* O-00087
1,2,3,4-Tetrahydro-1-methylquinoline, T-00127
5,6,7,8-Tetrahydro-4-methylquinoline-8-carbothiamide, T-00128
5,6,7,8-Tetrahydro-3-methyl-8-quinolinecarbothioamide, *see* T-00320
2,3,6,7-Tetrahydro-7-methyl-5*H*-thiazolo[3,2-*a*]pyrimidin-5-one, *see* O-00040
1,4,5,6-Tetrahydro-1-methyl-2-[2-(2-thienyl)ethenyl]pyrimidine, *see* P-00558
▷Tetrahydro-α-(1-naphthalenylmethyl)-2-furanpropanoic acid 2-(diethylamino)ethyl ester, *see* N-00023
2-[(5,6,7,8-Tetrahydro-1-naphthyl)amino]-2-imidazoline, *see* T-00395

▷2-(1,2,3,4-Tetrahydro-1-naphthyl)imidazoline, *see* T-00140

2-[(5,6,7,8-Tetrahydro-1-naphthyl)methyl]-2-imidazoline, *see* T-00051

2,3,5,6-Tetrahydro-6-(3-nitrophenyl)imidazo[2,1-*b*]thiazole, *see* N-00166

(4,5,6,7-Tetrahydro-7-oxobenzo[*b*]thien-4-yl)urea, *see* S-00182

6,7,8,9-Tetrahydro-4-oxo-10-propyl-4*H*-naphtho[2,3-*b*]pyran-2-carboxylic acid, *see* P-00454

▷*N*-(Tetrahydro-2-oxo-3-thienyl)acetamide, T-00129

▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132

▷Tetrahydro-6-(phenoxymethyl)-2*H*-1,3-oxazine-2-thione, *see* T-00263

2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]imidazole, T-00130

▷2,3,5,6-Tetrahydro-6-phenylimidazo[2,1-*b*]thiazole, *see* T-00151

5,6,7,8-Tetrahydro-4-(phenylmethylene)-1,3(2*H*,4*H*)-isoquinolinedione, *see* T-00099

7,8,9,10-Tetrahydro-11-(4-phenyl-1-piperazinyl)-6*H*-cyclohepta[*b*]quinoline, *see* C-00168

4-(1,2,3,6-Tetrahydro-4-phenyl-1-pyridyl)butyrophenone, *see* P-00166

2,6,7,8-Tetrahydro-7-phenylpyrrolo[1,2-*a*]pyrimidin-4(3*H*)-one, *see* R-00073

▷3,4,5,6-Tetrahydrophthalimidomethyl chrysanthemate, *see* T-00143

5,6,7,8-Tetrahydro-6-(2-propenyl)-4*H*-thiazolo[4,5-*d*]-azepin-2-amine, *see* T-00009

4,5,6,7-Tetrahydro-N^6-propyl-2,6-benzothiazolediamine, *see* P-00396

▷1,3,4,9-Tetrahydro-1-propylpyrano[3,4-*b*]indole-1-acetic acid, *see* P-00461

4′-*O*-(Tetrahydropyranyl)adriamycin, *in* A-00080

1-(1,2,3,6-Tetrahydropyridino)-3-*o*-tolyloxypropan-2-ol, *see* T-00366

1,2,3,9-Tetrahydropyrrolo[2,1-*b*]quinazolin-3-ol, *see* P-00050

▷3,4,7,8-Tetrahydro-3-β-D-ribofuranosylimidazo[4,5-*d*][1,3]-diazepin-8-ol, *see* C-00532

Tetrahydroserpentine, *see* A-00087

9,9′,10,10′-Tetrahydro-4,4′,5,5′-tetrahydroxy-10,10′-dioxo-9,9′-bianthracene-2,2′-dicarboxylic acid, *see* S-00042

6,7,8,9-Tetrahydro-2,3,10,12-tetramethoxy-7-methyl-5*H*-dibenz[*d,f*]azonine, *see* P-00542

5,6,6*a*,7-Tetrahydro-1,2,9,10-tetramethoxy-6-methyl-4*H*-dibenzo[*de,g*]quinoline, *see* G-00028

7,8,9,10-Tetrahydro-3,6,6,9-tetramethyl-6*H*-dibenzo[*b,d*]-pyran-1-ol acetate, *see* P-00343

1,2,3,4-Tetrahydro-1,1,4,4-tetramethyl-6-(1-methyl-2-phenylethenyl)naphthalene, *see* T-00059

4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-amino]carbonyl]benzoic acid, T-00131

▷1,2,3,6-Tetrahydro-2,2,6,6-tetramethylpyridine, T-00132

▷6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, T-00133

Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide, T-00134

Tetrahydro-2*H*-1,3,5-thiadiazine-2-thione, T-00135

Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, T-00136

▷4-(Tetrahydro-2*H*-1,2-thiazin-2-yl)benzenesulfonamide *S,S*-dioxide, *see* S-00263

5,6,7,8-Tetrahydro-3-[2-(4-*o*-tolyl-1-piperazinyl)ethyl]-*s*-triazolo[4,3-*a*]pyridine, *see* D-00013

1,2,3,4-Tetrahydro-1-[(3,4,5-trimethoxyphenyl)methyl]-6,7-isoquinolinediol, *see* T-00418

1,3,4,9-Tetrahydro-*N,N*,1-trimethylindeno[2,1-*c*]pyran-1-ethanamine, *see* P-00313

7,8,9,10-Tetrahydro-6,6,9-trimethyl-3-(methyloctyl)-6*H*-dibenzo[*b,d*]pyran-1-yl 4-(diethylamino)-butanoate, *see* N-00004

6*a*,7,8,10*a*-Tetrahydro-6,6,9-trimethyl-3-pentyl-6*H*-dibenzo[*b,d*]pyran-1-ol, *see* T-00115

6*a*,7,10,10*a*-Tetrahydro-6,6,9-trimethyl-3-pentyl-6*H*-dibenzo[*b,d*]pyran-1-ol, *see* T-00114

9,20-Tetrahydrotylosin, *in* T-00578

▷2,3,7,8-Tetrahydroxy[1]benzopyrano[5,4,3-*cde*][1]-benzopyran-5,10-dione, *see* E-00026

Tetrahydroxy-1,4-benzoquinone, T-00137

2,3,5,6-Tetrahydroxy-2,5-cyclohexadiene-1,4-dione, *see* T-00137

3,3′,5,7-Tetrahydroxy-4′-methoxyflavan, *in* P-00081

3,3′,4′,7-Tetrahydroxy-5-methoxyflavone, *in* P-00082

3,3′,5,7-Tetrahydroxy-4′-methoxyflavone, *in* P-00082

3′,4′,5,7-Tetrahydroxy-8-methoxyisoflavone, T-00138

11β,14,17,21-Tetrahydroxypregn-4-ene-3,20-dione cyclic 14,17-acetal with crotonaldehyde 21-nicotinate, *see* N-00096

9,11,15,19-Tetrahydroxy-5,13-prostadienoic acid, T-00139

▷3,5,7,10-Tetrahydroxy-1,1,9-trimethyl-2*H*-benzo[*cd*]pyrene-2,6(1*H*)-dione, *see* R-00030

▷Tetrahydrozoline, T-00140

Tetrahydrozoline hydrochloride, *in* T-00140

▷Tetraiodoethylene, T-00141

Tetraiodophenolphthalein, T-00142

Tetraisopropyl dichloromethylenebisphosphonate, *in* D-00194

Tetraisopropyl methylenediphosphonate, *in* M-00168

▷Tetrakis(cyanomethyl)ethylenediamine, *in* E-00186

▷Tetrakis(hydroxymethyl)methane, *see* P-00077

▷*N,N,N′,N′*-Tetrakis(2-hydroxypropyl)ethylenediamine, *see* E-00012

Tetrakis(1-methylethyl) methylenebisphosphonate, *in* M-00168

▷Tetrakis[(2,2,2-Trichloro-1-hydroxyethoxy)methyl]methane, *see* P-00132

▷Tetrallobarbital, *see* B-00386

▷Tetralysal, *see* L-00120

▷Tetramalum, *see* E-00188

Tetrameprozine, *in* P-00521

1,2,9,10-Tetramethoxyaporphine, *see* G-00028

Tetramethoxy-1,4-benzoquinone, *in* T-00137

6,6′,7,12-Tetramethoxy-2,2′-dimethylberbaman, *see* T-00152

6′,7′,10,11-Tetramethoxyemetan, *see* E-00036

▷Tetramethrin, T-00143

▷*N,N*,9,9-Tetramethyl-10(9*H*)-acridinepropanamine, *see* D-00387

Tetramethylammonium(1+), T-00144

▷*N,N*,10,10-Tetramethyl-$\Delta^{9(10H),\gamma}$-anthracenepropylamine, *see* M-00081

▷*N*,2,3,3-Tetramethylbicyclo[2.2.1]heptan-2-amine, *see* M-00041

N,N,N′,N′-Tetramethyl-*N,N′*-bis[2-[5-methyl-2-(1-methylethyl)-phenoxy]ethyl]-1,10-decanediaminium(2+), *see* D-00043

(1,1,3,3-Tetramethylbutyl)guanidine, T-00145

2-[2-[2-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]ethoxy]-ethoxy]-ethanesulfonic acid, *see* E-00069

26-[4-(1,1,3,3-Tetramethylbutyl)phenoxy]-3,6,9,12,15,18,21,24-octaoxahexacosan-1-ol, *see* O-00024

2,2,9,9-Tetramethyl-1,10-decanediol, T-00146

3,3′-Tetramethylenebis[oxy(2-hydroxytrimethylene)-acetylimino]bis[2,4,6-triiodo-5-(*N*-methylacetamido)-benzoic acid], *see* I-00150

1,1′-Tetramethylenebis[1,2,3,4-tetrahydro-6,7-dimethoxy-isoquinoline], *see* B-00232

▷Tetramethylene di(methanesulfonate), *see* B-00379

2,3,4,6-Tetra-*O*-methyl-D-gluconamide, *in* G-00055

2,3,5,6-Tetra-*O*-methyl-D-gluconamide, *in* G-00055

2,3,4,6-Tetra-*O*-methyl-D-gluconononitrile, *in* G-00055

2,3,5,6-Tetra-*O*-methyl-D-gluconononitrile, *in* G-00055

3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid, T-00147

N,N,N′,N′-Tetramethylhexamethylenediamine, *see* T-00148

N,N,N′,N′-Tetramethyl-1,6-hexanediamine, T-00148

▷Tetramethyl 1-hydroxy-1-(*p*-chlorophenyl)methylene 1,1-diphosphonate, *see* M-00372

Tetramethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132

Tetramethyl methylenebisphosphonate, *in* M-00168

2,2,5,5-Tetramethyl-α-[(2-methylphenoxy)methyl]-1-pyrrolidineethanol, *see* L-00105

6,10,14,18-Tetramethyl-5,9,13,17-nonadecatetraen-2-one, *see* T-00078
N,N,N,α-Tetramethyl-10*H*-phenothiazine-10-ethanaminium, *see* T-00182
N,N,N′,N′-Tetramethyl-3-(10*H*-phenothiazin-10-yl)-1,2-propanediamine, *see* P-00521
2-(2,2,6,6-Tetramethylpiperidino)ethyl *o*-chloro-α-(*o*-chlorobenzyl)-α-hydroxyhydrocinnamate acetate, *see* T-00052
2-(2,2,6,6-Tetramethyl-1-piperidinyl)ethyl α-(acetyloxy)-2-chloro-α-[(2-chlorophenyl)methylbenzenepropanoate, *see* T-00052
▷*O,O,O′,O′*-Tetramethyl *O,O′*-thiodi-*p*-phenylene bis-(phosphorothioate), *see* T-00061
▷Tetramethylthioperoxydicarbonic diamide, *see* T-00149
▷Tetramethylthiuram disulfide, T-00149
1,3,8,8-Tetramethyl-3-[3-(trimethylammonio)propyl]-3-azoniabicyclo[3.2.1]octane, *see* T-00499
2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-6-chromanyl (*p*-chlorophenoxy)acetate, *see* T-00333
▷2,5,7,8-Tetramethyl-2-(4,8,12-trimethyltridecyl)-6-chromanyl 2-(*p*-chlorophenoxy)-2-methylpropionate, *see* T-00334
N,N,N,4-Tetramethyl-α-undecylbenzenemethanaminium, *see* T-00357
▷Tetramezonnite, *in* M-00018
▷Tetramide, *in* M-00360
▷Tetramin, *see* A-00527
Tetraminol, T-00150
▷Tetramisole, T-00151
▷Tetramisole hydrochloride, *in* T-00151
▷Tetrammonium formate, *in* T-00144
▷Tetrammonium iodide, *in* T-00144
▷Tetramyl, *see* L-00120
Tetrandrine, T-00152
Tetrandrine mono-*N*-2′-oxide, *in* T-00152
Tetranitrin, *in* E-00114
Tetranitrol, *in* E-00114
▷2,2′-(2,5,8,11-Tetraoxadodecane-1,12-diyl)bisoxirane, *see* D-00225
Tetraphenyl methylenebisphosphonate, *in* M-00168
▷Tetraplatin, T-00153
Tetraseptan, *see* B-00118
▷Tetrasolivina, *see* M-00096
Tetraspasmin-Lefa, *see* D-00611
▷Tetrastatin, *in* T-00109
▷Tetrastigmine, *see* T-00112
▷Tetrathion, *see* T-00149
▷Tetraverin, *see* R-00078
▷Tetrazepam, T-00154
3-(1*H*-Tetrazol-5-yloxy)phenol, *see* H-00198
▷Tetrex PMT, *in* R-00078
Tetridamine, *in* T-00119
▷Tetridin, *see* D-00255
Tetriprofen, T-00155
▷Tetrodontoxin, *see* T-00156
▷Tetrodotoxin, T-00156
Tetroid, *see* E-00138
Tetronal, *in* B-00213
Tetronasin, T-00157
Tetronasin sodium, *in* T-00157
▷Tetropil, *see* T-00106
Tetroquinone, *see* T-00137
▷Tetroxoprim, T-00158
▷Tetrucid, *see* M-00430
Tetrydamine, *in* T-00119
▷Tetrylammonium bromide, *in* T-00111
▷Tetryzoline, *see* T-00140
Tevabolin, *see* S-00139
Tevaphyllin-Amp., *in* T-00169
Texacromil, T-00159
▷Texmeten, *in* D-00270
TG 16, *in* H-00037
▷Th 1165*a*, *in* F-00064
TH 1183, *in* B-00206
▷TH-1395, *see* G-00063
Th 152, *in* O-00053
TH 2105, *see* H-00097
TH 2132, *see* S-00255
▷2602 TH, *see* C-00578
▷TH 4114, *see* P-00160
Th 494, *see* S-00158
▷T.H.A., *see* A-00333
▷Thalamonal, *in* D-00608
▷Thalamonal, *in* F-00077
Thalamyd, *see* P-00225
▷Thalidomide, *see* P-00223
Thalisul, *see* P-00225
▷Thallous chloride, T-00160
▷THAM, *see* A-00268
THC, *see* T-00197
▷Theamin, *in* T-00169
▷Thean, *see* P-00551
▷Thebacon, T-00161
▷Thebaine, T-00162
Thebaine N-metho salt, *in* T-00162
Thebaine N-oxide, *in* T-00162
▷Thecodin, *in* O-00155
▷THEDP, *see* E-00012
▷Theelin, *see* O-00031
▷Theelol, *see* O-00030
▷Theine, *see* C-00010
▷Thelmesan, *in* O-00012
▷Themalon, *see* D-00258
▷Thenaldine, *see* T-00163
▷Thenalidine, T-00163
Thenalidine tartrate, *in* T-00163
Thendor, *in* C-00282
▷Thenfadil, *see* T-00165
▷Thenfanil, *see* T-00165
▷Thenitrazolum, *see* T-00072
Thenium(1+), T-00164
Thenium closylate, *in* T-00164
Thenophenopiperidine tartrate, *in* T-00163
Theno-piperidine tartrate, *in* T-00163
2-(2-Thenoylthio)propionylglycine, *see* S-00145
▷Thenyldiamine, T-00165
▷Thenylene, *see* M-00171
▷Thenylpyramine, *see* M-00171
▷Theobromine, T-00166
▷Theocin, *see* T-00169
▷Theodoxine, *in* P-00582
▷Theodrenaline, T-00167
▷Theofibrate, T-00168
Theo-Heptylon, *in* H-00029
▷Theo-organidin, *in* I-00103
Theophyllidine, *in* A-00275
▷Theophylline, T-00169
Theophylline-7-acetic acid, *see* A-00011
Theophylline calcium salicylate, *in* T-00169
Theophylline diethanolamine, *in* T-00169
Theophylline dihydroxyephedrine, *in* T-00169
Theophylline ephedrine, *in* T-00169
▷Theophylline ethylenediamine, *in* T-00169
Theophylline heptaminol, *in* T-00169
Theophylline isopropanolamine, *in* T-00169
Theophylline lysine, *in* T-00169
Theophylline meglumine, *in* T-00169
▷2-(7′-Theophyllinemethyl)-1,3-dioxolane, *see* D-00596
▷Theophylline nicotinamide, *in* T-00169
Theophylline piperazine, *in* T-00169
Theophylline sodium glycinate, *in* T-00169
3-(7-Theophyllinyl)propanesulfonic acid, T-00170
Theopropanol, *in* T-00169
▷Theopylline olamine, *in* T-00169
Theosintol, *in* T-00169
▷Thephorin, *in* P-00156
Theprubicin, *in* A-00080
Therafactin, *see* A-00345
▷Theragesic, *in* M-00261
Theragynes, *in* D-00179
▷Theramin, *see* G-00057

Theranabol, *see* O-00152
Therapas, *in* A-00264
Theratuss, *see* P-00275
▷Theruhistin, *in* I-00214
▷Thesal, *see* T-00166
Thesit, *see* P-00380
▷Thespesin, *see* G-00082
Thevetin B, *in* D-00274
▷Thiabendazole, T-00171
Thiabutazide, *see* B-00401
▷Thiacetarsamide, *see* A-00450
▷Thiacetarsamide sodium, INN, *in* A-00450
▷Thiacetazone, *in* A-00210
▷Thiactin, *see* T-00210
▷Thiacyl, *see* S-00172
N'-(1,3,4-Thiadiazol-2-yl)sulfanilamide, *see* S-00211
Thiadipone, *see* B-00066
3-Thiahexanedioic acid, *see* C-00066
▷Thialbarbital, *see* T-00172
▷Thialbarbitone, T-00172
Thialbutal, *see* B-00400
▷Thialpenton, *in* T-00172
▷Thiamazole, *see* D-00289
▷Thiambutene, *see* D-00258
▷Thiambutosine, T-00173
Thiameton, *in* T-00237
▷Thiamine, T-00174
▷Thiamine diphosphate, T-00175
Thiamine disulfide, T-00176
▷Thiamine monochloride, *in* T-00174
Thiamine monophosphate disulfide, *in* T-00176
▷Thiamine propyl disulfide, T-00177
▷Thiamine pyrophosphate, *see* T-00175
▷Thiamine tetrahydrofurfuryl disulfide, *see* F-00299
▷Thiamiprine, T-00178
▷Thiamizide, *see* C-00255
Thiamphenicol aminoacetate hydrochloride, JAN, *in* T-00179
Thiamphenicol, T-00179
Thiamylal, T-00180
▷Thiamylal sodium, *in* T-00180
Thianthol, *see* D-00456
Thiaolivacine, *see* D-00425
▷Thiaproline, *see* T-00183
6,9-Thiaprostacyclin, *in* E-00087
▷Thiasan, *see* M-00430
Thiase, *see* S-00145
Thiatriamide, *see* A-00517
Thiaver, *see* E-00085
▷Thiazenone, *in* T-00181
Thiazesim, T-00181
▷Thiazesim hydrochloride, *in* T-00181
Thiazinamium(1+), T-00182
Thiazinamium chloride, *in* T-00182
▷Thiazinamium metilsulfate, *in* T-00182
▷Thiazinamon, *in* T-00182
▷2-Thiazolamine, *see* A-00336
▷4-Thiazolidinecarboxylic acid, T-00183
7-L-4-Thiazolidinecarboxylic acid oxytocin, *see* T-00234
2,4-Thiazolidinedicarboxylic acid, T-00184
2-(3-Thiazolidinylcarbonyl)benzoic acid, *see* N-00077
▷Thiazolidomycin, *see* A-00039
▷Thiazoline-2-thiol, *see* M-00121
Thiazolsulfone, T-00185
▷2-[[[4-[(Thiazolylamino)sulfonyl]phenyl]amino]carbonyl]-benzoic acid, *see* P-00227
▷[2-(4-Thiazolyl)-5-benzimidazolecarbamic acid isopropyl ester, *see* C-00020
▷[2-(4-Thiazolyl)-1*H*-benzimidazol-5-yl]carbamic acid 1-methylethyl ester, *see* C-00020
2-[4-(2-Thiazolyloxy)phenyl]propanoic acid, T-00186
4'-(2-Thiazolylsulfamoyl)maleanilic acid, *see* M-00015
5-[*p*-(2-Thiazolylsulfamoyl)phenylazo]salicylic acid, *see* S-00010
▷4'-(2-Thiazolylsulfamoyl)phthalanilic acid, *see* P-00227
▷4'-(2-Thiazolylsulfamoyl)succinanilic acid, *see* S-00172
▷*N'*-2-Thiazolylsulfanilamide, *see* S-00256
Thiazosulfone, *see* T-00185
Thiazothielite, *see* A-00413
Thiazothienol, *see* A-00401
▷2-(4-Thiazoyl)-1*H*-benzimidazole, *see* T-00171
Thidoxol, *see* T-00214
▷7-[(2-Thienyl)acetamido]-3-(1-pyridylmethyl)-3-cephem-4-carboxylic acid betaine, *see* C-00176
▷1-[1-(2-Thienyl)cyclohexyl]piperidine, T-00187
▷9-(4,6-*O*-2-Thienylidene-β-D-glucopyranoside)-4'-demethylepipodophyllotoxin, *see* T-00071
2-[[2-(2-Thienylmethyl)phenoxy]methyl]morpholine, *see* T-00070
3-(2-Thienyl)piperazinone, T-00188
▷Thiethylperazine, T-00189
Thiethylperazine malate, *in* T-00189
▷Thiethylperazine maleate, *in* T-00189
Thihexinol methyl(1+), T-00190
Thihexinol methylbromide, *in* T-00190
Thilocanfol, *see* A-00519
Thilodrin, *in* D-00518
▷Thilol, *see* D-00084
▷Thimecil, *see* D-00293
Thimerfonate, T-00191
▷Thimerfonate sodium, *in* T-00191
▷Thimerosal, *in* E-00198
▷Thimorlone, *see* E-00219
▷Thioacetazone, *in* A-00210
Thioargyrium, *in* H-00127
▷Thioaspirin, *in* M-00114
Thioban, *see* T-00197
▷Thiobarbituric acid, T-00192
2-Thiobenzimide, *see* B-00086
▷Thiobenzoic acid, T-00193
▷Thiobenzoyl chloride, *in* T-00193
▷2,2'-Thiobis(4-chlorophenol), T-00194
▷2,2'-Thiobis[4,6-dichlorophenol], *see* B-00204
▷2,2'-Thiobisethanol, T-00195
2,2'-Thiobis[*N*-ethyl-*N*,*N*-dimethyl]ethanaminium, *see* T-00237
5,5'-[Thiobis[(1-oxo-3,1-propanediyl)imino]]bis[*N*,*N'*-bis(2,3-dihydroxypropyl)-2,4,6-triiodo-*N*,*N*-dimethyl-1,3-benzenedicarboxamide], *see* I-00139
Thiocarbamic acid, T-00196
Thiocarbanidin, T-00197
Thiocarlide, T-00198
Thiocarzolamide, *see* P-00561
▷Thiochrysine, *see* S-00084
▷Thiocid, *see* M-00430
Thiocol, *in* H-00147
▷Thiocolchicoside, T-00199
▷Thioctic acid, *see* L-00053
▷Thioctothiamine, *see* O-00023
▷Thiocymetin, *in* T-00179
▷Thioderon, *see* M-00100
▷2,2'-Thiodiethanol, *see* T-00195
(Thiodiethylene)bis(ethyldimethylammonium), *see* T-00237
▷Thiodiethylene glycol, *see* T-00195
▷Thiodiglycol, *see* T-00195
▷Thiodinone, *see* N-00118
▷Thiodiphenylamine, *see* P-00167
▷*O*,*O'*-(Thiodi-4,1-phenylene) bis(*O*,*O*-dimethyl phosphorothioate), *see* T-00061
▷Thiodril, *in* C-00654
Thiodrol, *see* E-00086
▷Thioethanolamine, *see* A-00252
Thiofantile, *see* B-00237
Thiofenickin, *in* T-00179
▷Thiofuradene, T-00200
Thiogenal, *in* M-00184
(1-Thioglucopyranosato)gold, T-00201
(1-Thioglucopyranosato-2,3,4,6-tetraacetato)gold, *in* T-00201
[1-Thioglucopyranose-2,3,4,6-tetrakis(methylcarbamato)-*S*]-triethylphosphinegold, *see* A-00475
▷Thioguanine, T-00202
Thiohexamide, T-00203

▷Thioinosine, *see* T-00204
▷6-Thioinosine, T-00204
Thiolocof, *see* A-00519
▷Thiomalic acid, *see* M-00115
▷Thiomebumal, *see* T-00206
Thiomedan, *see* D-00431
Thiomedon-Amp., *see* A-00036
▷Thiomerin sodium, *in* M-00118
▷Thiomersal, *in* E-00198
▷Thiomersalate, *in* E-00198
Thiomesterone, T-00205
Thionarcex, *in* T-00212
▷Thio-Novurit, *in* M-00118
▷Thioparamizone, *in* A-00210
▷Thiopental, T-00206
▷Thiopental sodium, *in* T-00206
▷Thiopentobarbital, *see* T-00206
▷Thiopentone, *see* T-00206
▷Thiopentymal, *see* T-00206
▷Thioperazine, *in* T-00208
▷Thioperoxydicarbonic acid diethyl ester, *see* D-00556
▷Thiophanate, T-00207
▷Thiophanium, *in* T-00498
▷7-(2-Thiopheneacetamido)cephalosporanic acid, *see* C-00178
▷Thiophenylpyrazolidine, *see* D-00501
▷Thiophosphamidum, *see* T-00211
Thiophtalane, *see* T-00017
▷Thioprine, *see* A-00513
Thioprol, *in* H-00210
Thiopropamine, *see* T-00303
▷Thiopropazate, *in* P-00129
▷Thioproperazine, T-00208
Thiopurinol, *see* P-00565
▷2-Thiopyridone, *see* P-00574
Thioquinalbarbitone, *see* T-00180
▷Thioridazine, T-00209
▷Thiosalicylic acid, *see* M-00114
Thiosalol, *in* M-00114
▷Thioscabin, *see* M-00430
Thioserine (obsol.), *see* C-00654
▷Thiosinamine, *see* P-00496
▷Thiospasmin, *in* H-00062
▷Thiospasmin, *in* O-00165
▷Thiostrepton, T-00210
▷Thiostrepton *A*, *see* T-00210
Thiostrepton *B*, *in* T-00210
Thiostrepton A_2, *in* T-00210
▷Thiosulfil, *see* S-00243
▷Thiotepa, T-00211
Thiotetrabarbital, T-00212
Thiotetramalum, *see* T-00212
▷Thiothixene, T-00213
▷Thiothymin, *see* D-00293
Thiourethane, *in* T-00196
Thiourethane, *in* T-00196
β-Thiovaline, *see* P-00064
4-(Thiovanilloyl)morpholine, *see* V-00009
▷Thioxidren, *see* T-00129
2-Thioxo-3,5-dibenzyltetrahydro-1,3,5-thiadiazine, *see* S-00183
Thioxolone, T-00214
▷Thiozinamin, *in* T-00182
THIP, *see* T-00121
▷Thiphen, *in* T-00215
Thiphenamil, T-00215
▷Thiphenamil hydrochloride, *in* T-00215
Thiphencillin, T-00216
Thiphencillin potassium, *in* T-00216
Thipindole, *see* T-00313
▷Thiprazole, *see* T-00171
▷Thiram, *see* T-00149
▷Thixokon, *in* A-00340
Thixolone, *see* T-00214
▷Thixoron, *in* D-00138
Thonzide, *in* T-00217
Thonzonium(1+), T-00217
Thonzonium bromide, *in* T-00217
▷Thonzylamine, T-00218
Thonzylamine cetyl bromide, *in* T-00217
▷Thonzylamine hydrochloride, *in* T-00218
Thoragol, *in* B-00151
▷Thorazine, *see* C-00298
Thoxan, *in* E-00264
▷Thozalinone, *see* D-00417
THP-ADM, *in* A-00080
THP-ADR, *in* A-00080
THQ, *see* T-00137
D-Threaric acid, *in* T-00028
▷L-Threaric acid, *in* T-00028
Threitol, T-00219
DL-Threo-β-F-Asn, *in* A-00257
7-L-Threoninecyclosporin *A*, *in* C-00638
8^A-L-Threonine-10^A-L-isoleucine-30^B-L-threonine-30^Ba-L-arginine-30^Bb-L-argininеinsulin(ox), *see* I-00077
4-L-Threonineoxytocin, T-00220
7-L-Threonine-5-L-valinecyclosporin *A*, *in* C-00638
7-L-Threonine-9-L-valinecyclosporin *A*, *in* C-00638
N^2-[1-N^2-L-Threonyl-L-lysyl)-L-prolyl]-L-arginine, *see* T-00574
▷Threosulphan, *in* T-00219
▷Thrombin, T-00221
▷Thrombinar, *see* T-00221
▷Thrombocytin, *see* H-00218
▷Thrombostat, *see* T-00221
▷Thrombotonin, *see* H-00218
K-Thrombyl inj., *in* D-00333
[Thr^4]Oxytocin, *see* T-00220
▷THS 201, *in* H-00016
▷THS 839, *in* D-00070
Thurfyl nicotinate, T-00222
Thurfyl salicylate, *in* H-00112
Thybon, *in* T-00487
▷Thylakentrin, *see* F-00238
▷Thylamid, *see* T-00431
▷Thylin, *see* N-00112
Thylmolsulfone, *see* D-00146
▷Thyloquinone, *see* M-00271
Thymazen, *see* T-00580
▷Thymeol, *in* M-00081
Thymeon, *in* Z-00003
Thymergix, *in* P-00592
Thymin (hormone), *see* T-00226
Thymocartin, T-00223
Thymolphthalein, T-00224
Thymopentin, T-00225
Thymopoietin, T-00226
Thymopoietin 32-36, *see* T-00225
Thymopoietin I, *in* T-00226
Thymopoietin III, *in* T-00226
Thymopoietin II, 9CI, *in* T-00226
Thymosulfone, *see* D-00146
▷Thymoxamine, T-00227
2-[(Thymyloxy)methyl]-2-imidazoline, *see* T-00580
▷Thyneostat II, *see* D-00298
▷Thypinone, *see* T-00229
Thyractin, *see* T-00228
▷Thyreostat, *see* D-00293
▷Thyreotrophic hormone, *see* T-00232
▷Thyrocalcitonin, *see* C-00013
α-Thyrocalcitonin, *in* C-00013
Thyroglobulin, T-00228
▷Thyroid-stimulating hormone, *see* T-00232
▷Thyrolar, *in* T-00233
Thyrolar, *in* T-00487
▷Thyroliberin, T-00229
Thyromedan, T-00230
Thyromedan hydrochloride, *in* T-00230
Thyropropic acid, T-00231
Thyroprotein, *see* T-00228
▷Thyrotrophin, T-00232
▷Thyrotropic hormone, *see* T-00232
▷Thyrotropin, *see* T-00232

▷Thyrotropin-releasing factor, *see* T-00229
▷Thyroxine, T-00233
▷Thytropar, *see* T-00232
[Thz⁷]Oxytocin, T-00234
TI 31, *see* N-00230
▷Tiabendazole, *see* T-00171
Tiacrilast, T-00235
▷Tiadenol, *see* B-00217
Tiadenol clofibrate, *in* B-00217
Tiadenol nicotinate, *in* B-00217
Tiadilon, *in* T-00184
Tiadipone, *see* B-00066
Tiafibrate, *in* B-00217
Tiamenidine, T-00236
▷Tiamenidine hydrochloride, *in* T-00236
Tiametonium(2+), T-00237
Tiametonium iodide, *in* T-00237
▷Tiamiprine, *see* T-00178
▷Tiamizide, *see* C-00255
▷Tiamulin, T-00238
▷Tiamulin fumarate, *in* T-00238
▷Tiamutin, *in* T-00238
Tianafac, T-00239
Tianeptine, T-00240
Tiapamil, T-00241
Tiapamil hydrochloride, *in* T-00241
Tiapirinol, T-00242
Tiapride, T-00243
▷Tiaprofenic acid, *see* B-00099
Tiaprost, T-00244
Tiaramide, T-00245
▷Tiaramide hydrochloride, *in* T-00245
Tiase, *see* S-00145
Tiazesim, *see* T-00181
▷Tiazofurine, T-00246
Tiazoprim, *in* S-00199
Tiazuril, T-00247
▷Tibal, *see* O-00058
Tibalosin, T-00248
Tibalosine, *see* T-00248
▷Tibamax, *see* T-00577
Tibenelast, T-00249
Tibenelast sodium, *in* T-00249
▷Tibenzate, *in* T-00193
▷Tiberal, *see* O-00058
▷Tibexin, *in* P-00422
Tibezonium(1+), T-00250
▷Tibezonium iodide, *in* T-00250
Tibolone, T-00251
Tibric acid, T-00252
Ticabesone, T-00253
Ticabesone propionate, *in* T-00253
▷Ticar, *in* T-00255
Ticarbodine, T-00254
Ticarcillin, T-00255
Ticarcillin cresyl sodium, *in* T-00255
▷Ticarcillin sodium, *in* T-00255
▷Ticlatone, *see* C-00216
Ticlid, *see* T-00256
Ticlodix, *see* T-00256
Ticlodone, *see* T-00256
Ticlopidine, T-00256
▷Ticlopidine hydrochloride, *in* T-00256
▷TIC Mustard, *see* I-00030
▷Ticrynafen, *see* T-00258
Tidiacic, *see* T-00184
Tiemonium(1+), T-00257
Tiemonium iodide, *in* T-00257
Tienam, *in* C-00342
Tienam, *in* I-00039
▷Tienilic acid, T-00258
Tienmulilmine, T-00259
Tienocarbine, T-00260
Tienopramine, T-00261
▷Tienor, *see* C-00508
Tienoxolol, T-00262
Tietylperazine malate, JAN, *in* T-00189
▷Tietylperazine maleate, JAN, *in* T-00189
▷Tifemoxone, T-00263
▷Tifen, *in* T-00215
Tifenamil, *see* T-00215
Tifencillin, *see* T-00216
Tiflamizole, T-00264
Tiflorex, *in* F-00228
Tifluadom, T-00265
Tiflucarbine, T-00266
Tiformin, *in* G-00110
▷Tifosyl, *see* T-00211
Tifurac, T-00267
Tifurac sodium, *in* T-00267
▷Tigasan, *in* A-00041
▷Tigason, *in* A-00041
Tigemonam, T-00268
Tigemonam dicholine, USAN, *in* T-00268
Tigestol, T-00269
Tigloidine, *in* T-00270
3-Tigloyloxytropane, T-00270
3α-Tigloyloxytropane N-oxide, *in* T-00270
Tigloyltropeine, *in* T-00270
▷Tiguvon, *in* F-00078
▷Tilactase, T-00271
Tilade, *in* N-00060
Tilbroquinol, *see* B-00304
▷Tilcant, *see* B-00364
Tilcotil, *see* T-00073
▷Tildin, *see* B-00300
Tiletamine, T-00272
Tiletamine hydrochloride, *in* T-00272
Tilianin, *in* D-00329
Tilidate, T-00273
Tilidine, *see* T-00273
▷Tilidine hydrochloride, *in* T-00273
Tiliquinol, *see* H-00176
Tilisolol, T-00274
Tilmicosin, T-00275
Tilomisole, T-00276
▷Tilorone, T-00277
▷Tilorone hydrochloride, *in* T-00277
Tilozepine, T-00278
Tilsuprost, T-00279
Tiludronic acid, T-00280
▷Tilur, *see* A-00013
Timaxel, *in* A-00241
Timefurone, T-00281
Timegadine, T-00282
Timelotem, T-00283
Timelotem maleate, *in* T-00283
Timentin, *in* C-00410
Timepidium(1+), T-00284
▷Timepidium bromide, *in* T-00284
▷Timerfonnatrium, *in* T-00191
Timerozole, *in* O-00070
▷Timiperone, T-00285
Timobesone, T-00286
Timobesone acetate, *in* T-00286
▷Timodyne, *see* M-00067
Timofibrate, T-00287
▷Timolate, *in* T-00288
▷Timolide, *in* T-00288
Timolol, T-00288
▷Timolol maleate, *in* T-00288
▷Timonacic, *see* T-00183
Timoprazole, T-00289
▷Timoptic, *in* T-00288
▷Timostenil, *see* C-00091
Timosulfone, *see* D-00146
▷Timovan, *see* P-00536
Timoxicillin, T-00290
Timoxicillin sodium, *in* T-00290
▷TIMP, *see* R-00016
Timunox, *see* T-00225
Tinabinol, T-00291

▷Tinactin, *see* T-00354
▷Tinaderm, *see* T-00354
Tinafon, *in* D-00407
Tinazoline, T-00292
▷Tindal, *in* A-00025
▷Tindurin, *see* P-00585
▷Tinerol, *see* O-00058
▷Tinevet, *in* H-00023
▷Tin fluoride, *see* S-00137
▷Ting, *in* U-00008
Ting, *in* U-00008
▷Tinidazole, T-00293
Tinisulpride, T-00294
Tinofedrine, T-00295
▷Tinoridine, T-00296
Tinset, *see* O-00094
▷Tinuvin *P*, *see* H-00172
Tinuvin 326, *see* B-00357
▷Tinver, *in* S-00091
▷Tiobutarit, *in* B-00337
Tiocarlide, *see* T-00198
Tioclomarol, T-00297
Tioconazole, T-00298
Tiocortisol, *see* D-00328
Tioctilate, *in* T-00193
Tiodazosin, T-00299
Tiodonium (1+), *see* C-00274
Tiodonium chloride, *in* C-00274
Tiofacic, *see* S-00145
▷Tiofosfamid, *see* T-00211
▷Tioguanine, *see* T-00202
▷Tioinosine, *see* T-00204
▷Tiolepa, *see* T-00211
Tiomergine, T-00300
Tiomesterone, *see* T-00205
Tioperidone, T-00301
Tioperidone hydrochloride, *in* T-00301
Tiopinac, T-00302
▷Tiopronin, *see* M-00120
Tiopropamine, T-00303
▷Tiosinamine, *see* P-00496
Tiospirone, T-00304
▷Tiotidine, T-00305
▷Tiotixene, *see* T-00213
Tiovalone, *in* D-00328
Tiox, *see* T-00309
Tioxacin, T-00306
Tioxamast, T-00307
Tioxaprofen, T-00308
Tioxidazole, T-00309
Tioxolone, *see* T-00214
Tipentosin, T-00310
Tipentosin hydrochloride, *in* T-00310
▷Tipepidine, T-00311
▷Tipepidine hibenzate, *in* T-00311
Tipetropium(1+), T-00312
Tipetropium bromide, *in* T-00312
▷Tiphen, *in* T-00215
Tipidyl, *see* C-00484
Tipindole, T-00313
▷TIPPS, *in* T-00142
Tipredane, T-00314
Tiprenolol, T-00315
Tiprenolol hydrochloride, *in* T-00315
Tiprinast, T-00316
Tiprinast meglumine, *in* T-00316
Tipropidil, T-00317
Tipropidil hydrochloride, *in* T-00317
Tiprostanide, T-00318
Tiprotimod, T-00319
Tiquinamide, T-00320
Tiquinamide hydrochloride, *in* T-00320
Tiquizium(1+), T-00321
▷Tiquizium bromide, *in* T-00321
▷Tiratricol, T-00322
Tiropramide, T-00323
Tisocromide, T-00324
Tisopurine, *see* P-00565
Tisoquone, T-00325
Tissue plasminogen activator, *see* A-00156
▷Titanium dioxide, T-00326
▷Titanium oxide, *see* T-00326
Titralac, *in* C-00014
Tivanidazole, T-00327
Tixadil, T-00328
Tixanox, *see* M-00305
▷Tixantone, *in* L-00110
Tixocortol, *see* D-00328
Tixocortol pivalate, *in* D-00328
▷Tixylix, *in* P-00478
Tizabrin, T-00329
Tizanidine, T-00330
Tizolemide, T-00331
Tizoprolic acid, *see* P-00517
TJZ 100, *see* R-00059
TKG 01, *in* B-00048
▷TLP 607, *see* P-00062
▷TM 723, *in* A-00044
▷TMA, *see* T-00504
▷TMAI, *in* T-00144
▷TMB-4, *in* T-00493
TMB 8, *in* D-00239
TMPDS, *in* T-00176
▷TMPEA, *see* M-00131
▷TMQ, *in* T-00418
TMQ, *see* T-00514
TMS 19Q, *in* L-00034
TMT, *see* A-00474
TMZ, *see* T-00430
TNF-α, *see* T-00575
TNO 6, *see* S-00126
▷TO-096, *in* D-00138
Toa, *see* D-00397
Tobanum, *see* C-00493
▷Tobracin, *in* N-00059
▷Tobramycetin, *see* N-00059
▷Tobramycin, *see* N-00059
Tobuterol, *in* T-00084
Tocainide, T-00332
Tocamphyl, *in* T-00508
▷Toce, *see* D-00226
▷Tocen, *see* D-00226
Toclase, *in* C-00046
Tocofenoxate, T-00333
Tocofersolan, *in* T-00335
▷Tocofibrate, T-00334
α-Tocopherol, T-00335
β-Tocopherol, T-00336
▷α-Tocopherol acetate, *in* T-00335
α-Tocopherolhydroquinone, T-00337
α-Tocopherol nicotinate, *in* T-00335
▷α-Tocopherolquinone, *in* T-00337
α-Tocopherol succinate, *in* T-00335
Tocophersolan, *in* T-00335
▷Tocophrin, *in* T-00335
▷α-Tocoquinone, *in* T-00337
▷Todralazine, T-00338
▷Tofacine, *in* T-00339
Tofenacin, T-00339
▷Tofenacin hydrochloride, *in* T-00339
Tofetridine, T-00340
Tofisoline, T-00341
▷Tofisopam, T-00342
▷Tofranil, *in* I-00040
Tofranil-PM, *in* I-00040
▷Togamycin, *in* S-00111
Tokolysan, *see* H-00068
Toladryl, *see* M-00247
Tolamolol, T-00343
▷Tolazamide, T-00344
▷Tolazoline, *see* B-00120
▷Tolazoline hydrochloride, *in* B-00120

▷Tolazul, *in* T-00359
▷Tolboxane, *see* M-00301
▷Tolbutamide, T-00345
▷Tolbutamide sodium, *in* T-00345
▷Tolciclate, T-00346
Tolclotidum, *see* D-00543
▷Tolcyclamide, *see* G-00071
Toldimfos, T-00347
▷Tolectin, *see* T-00353
▷Tolentil, *see* T-00540
▷Toleran, *see* P-00386
▷Toleron, *in* F-00274
▷Tolestan, *see* C-00517
Tolfamide, T-00348
▷Tolfenamic acid, T-00349
Tolgabide, T-00350
▷Tolhexamide, *see* G-00071
Tolimidone, *see* M-00284
▷Tolinase, *see* T-00344
Tolindate, T-00351
Toliodium, *see* B-00230
Toliodium chloride, *in* B-00230
▷Toliprolol, T-00352
▷Tolmene, *see* T-00353
Tolmesoxide, *see* D-00398
▷Tolmetin, T-00353
Tolmetin sodium, *in* T-00353
▷Tolmex, *see* T-00353
▷Tolmicen, *see* T-00346
▷Tolmicol, *see* T-00346
▷Tolnaftate, T-00354
Tolnapersine, T-00355
▷Tolnate, *see* P-00536
▷Tolnidamine, T-00356
Toloconium(1+), T-00357
Toloconium metilsulfate, *in* T-00357
Tolonidine, T-00358
Tolonium(1+), T-00359
▷Tolonium chloride, *in* T-00359
▷Tolopelon, *see* T-00285
▷Toloxatone, T-00360
▷Toloxychloral, *see* T-00361
▷Toloxychlorinol, T-00361
▷Toloxypropandiol, *see* M-00283
Tolpadol, T-00362
Tolpentamide, T-00363
▷Tolperisone, T-00364
Tolperisone hydrochloride, JAN, *in* T-00364
Tolpiprazole, T-00365
Tolpronine, T-00366
Tolpropamine, T-00367
Tolpyrramide, T-00368
Tolquinzole, T-00369
Tolrestat, T-00370
Tolrestatin, *see* T-00370
▷Tolseram, *in* M-00283
▷Tolserol, *see* M-00283
Toltrazuril, T-00371
m-Toluamide, *in* M-00230
▷Toluazotoluidine, *see* A-00251
▷*p*-Toluenesulfonchloramide, *see* C-00289
▷*p*-Toluenesulfonic acid, *see* M-00228
▷*p*-Toluenesulfonylhydrazine, *in* M-00228
Tolufazepam, T-00372
▷*m*-Toluic acid, *see* M-00230
Toluidine blue *O*, *see* T-00359
▷Tolvin, *in* M-00360
Tolycaine, T-00373
1-*p*-Tolyl-3-azabicyclo[3.1.0]hexane, *see* M-00285
▷4″-(*o*-Tolylazo)-*o*-diacetotoluidide, *see* D-00117
▷4-(*o*-Tolylazo)-*o*-toluidine, *see* A-00251
▷3-(*o*-Tolyloxy)propane-1,2-diol, *see* M-00283
▷1,1′-(3-*o*-Tolyloxypropylenedioxy)bis[2,2,2-trichloroethanol], *see* T-00361
5-(*m*-Tolyloxy)-2(1*H*)-pyrimidinone, *see* M-00284
1-(*m*-Tolyl)-4-(β-2-quinolylethyl)piperazine, *see* C-00166
N-*p*-Tolylsulfonyl-1-pyrrolidinecarboxamide, *see* T-00368
Tolysin, *in* M-00295
Tolytrimonium methylsulfate, *in* T-00357
5α-Tomatidan-3β-ol, *see* T-00374
Tomatidine, T-00374
Tomatine, *in* T-00374
β_1-Tomatine, *in* T-00374
α-Tomatine, *in* T-00374
Tomelukast, T-00375
▷Tomiporan, *in* C-00121
Tomoglumide, T-00376
Tomoxetine, T-00377
Tomoxetine hydrochloride, *in* T-00377
Tomoxiprole, T-00378
▷Tonaul, *see* T-00524
Tonazocine, T-00379
Tonazocine mesylate, *in* T-00379
▷Tonicorine, *in* D-00241
Tonilen, *in* D-00061
Tonocard, *in* T-00332
▷Tonoformina, *in* T-00144
Tonofosfan, *in* T-00347
Tonophosphan, *in* T-00347
Tonsil, *in* B-00202
▷Tonsillosan, *see* H-00207
▷Tonus-Lab, *in* D-00540
Tonzonium bromide, *in* T-00217
Topanicate, T-00380
▷Toparten, *in* P-00422
▷Topicain, *see* O-00106
Topicaine, T-00381
▷Topicon, *in* H-00016
▷Topicort, *see* D-00102
Topicycline, *in* T-00109
▷Topiderm, *see* D-00102
Topilan, *in* C-00232
Topilar, *see* F-00138
Topiramate, T-00382
▷Topisolon, *see* D-00102
▷Topocaine, *see* C-00625
Topolyn, *in* D-00111
▷Topostasin, *see* T-00221
▷Topral, *see* S-00264
Toprilidine, T-00383
▷Topsin, *see* T-00207
▷Topsyn, *see* F-00173
Topterone, T-00384
Toquizine, T-00385
▷Toramazoline hydrochloride, JAN, *in* T-00395
Torasemide, T-00386
▷Torate, *in* B-00417
Toraxan, *see* P-00275
▷Torazin, *see* C-00536
Torbafylline, T-00387
▷Torbugesic, *in* B-00417
▷Torbutrol, *in* B-00417
▷Torecan, *see* T-00189
▷Torecan maleate, *in* T-00189
▷Torelle, *see* F-00258
Toremifene, T-00388
▷Toremonil, *see* H-00120
▷Toresten, *in* T-00189
Tormosyl, *see* F-00211
▷Tornalate, *in* B-00241
Torondel, *see* V-00034
▷Torulin, *see* T-00174
▷Toryn, *in* C-00037
Tosactide, *see* O-00006
▷Tosanpin, *in* Y-00002
Toscarna, *see* R-00027
Tosfinar, *in* A-00126
Tosiben, *in* D-00315
▷Tosifar, *in* F-00240
Tosifen, T-00389
▷Tosivia, *in* C-00037
▷Toskil, *see* T-00346

Tosmicil, *in* D-00061
Tosmilen, *in* D-00061
Tostram, *in* A-00254
Tostramin, *in* A-00254
Tosufloxacin, T-00390
Tosular, *see* T-00391
Tosulur, T-00391
▷Tosylchloramide sodium, *in* C-00289
Tosyl chloride, *in* M-00228
▷Tosylhydrazine, *in* M-00228
▷Totacef, *in* C-00120
▷Totomycin, *see* H-00223
Toxanon, *see* D-00397
▷*C*-Toxiferine II, *see* C-00016
Toxiferine IV, *in* C-00016
▷β-Toxin, *see* A-00283
▷Toxobidin, *in* O-00001
▷Toxogonin, *in* O-00001
Toxopyrimidine, *see* A-00267
Tozocide, *in* A-00284
TP_3, *see* T-00231
TP4, *see* T-00223
TP-5, *see* T-00225
tPA, *see* A-00156
$TPGI_2$, *in* E-00087
▷TPN-12, *see* S-00222
TQ 86, *see* A-00526
TQ 86, *in* A-00526
▷TR 35, *see* B-00119
TR 1736, *see* M-00200
TR 2378, *see* B-00327
TR 2515, *in* P-00052
TR 2855, *in* C-00564
TR 2985, *in* R-00088
TR 3369, *in* I-00070
TR 4698, *see* R-00061
TR 4979, *see* B-00395
TR 5109, *in* C-00542
▷TR 5379*M*, *in* X-00019
Traboxopine, T-00392
Trabuton, *see* P-00166
Tracazolate, T-00393
▷Trace, *in* E-00118
▷Tracebil, *see* I-00091
Tracrium, *in* A-00472
Tradal, *in* T-00438
Trafuril, *see* T-00222
▷Tral, *see* H-00067
▷Tralin, *see* H-00067
Tralonide, T-00394
▷Tramadol, *in* D-00416
Tramadol hydrochloride, *in* D-00416
Tramal, *in* D-00416
Tramazoline, T-00395
▷Tramazoline hydrochloride, *in* T-00395
▷Tramil, *in* A-00298
▷Tramisol, *in* T-00151
▷Tranaxine, *in* S-00031
Trandolapril, *in* T-00396
Trandolaprilat, T-00396
▷Tranel, *see* M-00138
▷Tranexamic acid, *in* A-00281
▷Tranilast, T-00397
▷Tranpoise, *see* M-00095
▷Tranquillin, *in* B-00034
▷Transamin, *in* P-00186
Transcainide, T-00398
▷Transclomiphene, *in* C-00471
▷Transcop, *see* S-00031
Transdihydrolisuride, *see* T-00090
▷Transidione, *see* O-00097
Transoddi, *see* C-00353
▷Transvaalin, *in* D-00319
Trantelinium(1+), T-00399
Trantelinium bromide, *in* T-00399
▷Tranxene, *in* C-00494
▷Tranylcypromine, *in* P-00186
▷Tranylcypromine sulfate, *in* P-00186
Trapencaine, T-00400
▷Trapidil, T-00401
▷Trasentin, *see* D-00606
▷Trasentine, *in* A-00072
Traserit, *see* A-00423
▷Trasicor, *in* O-00145
Trasidrex, *in* C-00630
▷Trasidrex, *in* O-00145
▷Trasylol, *see* A-00432
▷Traumanase, *see* B-00287
Traumatocicline, *in* M-00044
▷Trausabun, *in* M-00081
▷Travad, *see* B-00014
Travase, *see* S-00279
Travet, *in* P-00504
▷Travogen, *in* I-00183
▷Travogyn, *in* I-00183
Traxanox, T-00402
Trazitiline, T-00403
Trazium(1+), T-00404
Trazium esilate, *in* T-00404
▷Trazodone, T-00405
▷Trazodone hydrochloride, *in* T-00405
Trazolopride, T-00406
▷Trebenzomine, *in* A-00245
Trebenzomine hydrochloride, *in* A-00245
Trebon, *see* E-00249
Trecadrine, T-00407
▷Trecalmo, *see* C-00508
▷Trecator, *see* E-00220
▷Tredum, *see* C-00270
▷Trefenum, *see* C-00270
▷Tre-Hold, *see* N-00044
Treloxinate, T-00408
Tremblex, *in* B-00080
Trembley, *in* B-00080
▷Tremerad, *see* C-00430
Tremerase, *in* C-00341
▷Tremonil, *in* M-00185
▷Tremorine, T-00409
Trenbolone, T-00410
Trenbolone acetate, *in* T-00410
Trenbolone hexahydrobenzylcarbonate, *in* T-00410
Trengestone, *in* C-00276
▷Trenimon, *see* T-00533
Trenizine, T-00411
▷Trentadil, *see* B-00011
▷Trental, *see* O-00142
Trental, *in* T-00150
▷Treoforon, *in* T-00219
▷Treosulfan, *in* T-00219
Treoxytocin, *see* T-00220
Trepibutone, *see* T-00456
▷Trepidone, *see* M-00095
Trepionate, *see* T-00456
Trepipam, T-00412
Trepipam maleate, *in* T-00412
Trepirium(2+), T-00413
▷Trepirium iodide, *in* T-00413
Treptilamine, T-00414
Trequinsin, T-00415
▷Tresanil, *see* T-00540
▷Trescatyl, *see* E-00220
Tresquim, *in* D-00210
▷Trest, *in* M-00185
▷Tresten, *in* T-00189
Trestolone, *in* N-00221
Trestolone acetate, *in* N-00221
▷Tretamine, T-00416
Trethinium, *see* E-00222
Trethinium tosilate, *in* E-00222
Trethinium tosylate, *in* E-00222
Trethocanic acid, T-00417
Tretinoin, *see* R-00033

Tretoquinol, T-00418
▷Trevintix, *see* P-00535
▷Trexan, *in* N-00034
TRF, *see* I-00084
▷TRF, *see* T-00229
▷TRH, *see* T-00229
▷Triac, *see* T-00322
▷Triacetin, *see* G-00065
▷Triacetoxyanthracene, *in* D-00310
2,3,5-Tri-*O*-acetyl-1-*O*-benzoyl-β-D-xylofuranose, *in* X-00024
▷Triacetyldiphenolisatin, *in* O-00160
1,2,5-Tri-*O*-acetyl-α-D-glucurono-6,3-lactone, *in* G-00059
1,2,5-Tri-*O*-acetyl-β-D-glucurono-6,3-lactone, *in* G-00059
▷Triacetylglycerol, *see* G-00065
▷Triacetyloleandomycin, *in* O-00035
Triaconazole, *see* T-00086
▷Triacum, *see* T-00322
Triacylglycerol lipase, *see* P-00011
Triafungin, *see* B-00128
▷Triagen, *see* C-00290
▷Triamcinolone, T-00419
▷Triamcinolone acetate cyclopentanonide, *see* A-00177
▷Triamcinolone acetonide, *in* T-00419
Triamcinolone acetonide hemisuccinate, *in* T-00419
Triamcinolone acetonide metembonate, *see* F-00196
Triamcinolone acetonide sodium phosphate, *in* T-00419
Triamcinolone acetophenide, *see* A-00176
Triamcinolone acroleinide, *see* T-00419
Triamcinolone benetonide, *in* T-00419
▷Triamcinolone diacetate, *in* T-00419
Triamcinolone furetonide, *in* T-00419
▷Triamcinolone hexacetonide, *in* T-00419
Triamcinolone pentanonide, *in* T-00419
2,4,7-Triamino-6-(2-furyl)pteridine, *see* F-00300
▷2,4,7-Triamino-6-phenylpteridine, T-00420
2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]pyrimidine, T-00421
4,4′,4″-Triaminotriphenylcarbinol, *see* T-00532
Triampyzine, *see* D-00423
Triampyzine sulfate, *in* D-00423
▷Triamterene, *see* T-00420
▷Trianisoestrol, *see* C-00290
▷Trianthil, *see* X-00005
▷Triatix, *see* A-00349
▷Triatox, *see* A-00349
▷Triavil, *in* N-00224
1,3,4-Triazaphenanthrene, *see* N-00043
4,4′-(1-Triazene-1,3-diyl)bisbenzenecarboximidamide, *see* B-00187
1,3,5-Triazinediamine, *see* D-00136
▷1,2,4-Triazine-3,5(2*H*,4*H*)-dione, T-00422
▷1,3,5-Triazine-2,4,6-triol, T-00423
1,2,4-Triazino[5,6-*c*]quinoline, T-00424
▷Triaziquinone, *see* T-00533
▷Triaziquone, *see* T-00533
▷2,4,6-Tri(1-aziridinyl)-*s*-triazine, *see* T-00416
Triazol 156, *see* C-00609
▷Triazolam, T-00425
▷1*H*-1,2,4-Triazole-3,5-diamine, *see* D-00137
1*H*-1,2,3-Triazolo[4,5-*d*]pyrimidin-7-amine, *see* A-00338
▷Triazure, *in* A-00514
▷Tribavirin, T-00426
Tribendilol, T-00427
Tribenoside, *in* E-00224
3,4,6-Tri-*O*-benzyl-D-glucosamine, *in* A-00235
1,3:2,4:5,6-Tri-*O*-benzylidene-D-glucitol, *in* G-00054
Tribodine, *see* T-00254
▷Tribromethanol, *see* T-00428
▷2,2,2-Tribromoethanol, T-00428
2,2,2-Tribromoethyl chloroformate, *in* T-00428
▷3,4′,5-Tribromosalicylanilide, *see* T-00429
▷Tribromsalan, T-00429
▷Triburon, *in* T-00448
Tribuzone, T-00430
Tricandil, *in* P-00042
Tricarbocyanine II, *see* I-00062
Tricerol, *see* E-00250
▷Tricetamide, T-00431
▷Trichloran, *see* T-00436
Trichlorex, *in* T-00441
▷Trichlorfon, *see* T-00443
▷Trichlormethine, *see* T-00534
Trichlormethylhydrochlorothiazide, *see* T-00047
▷Trichloroacetaldehyde monohydrate, *see* T-00433
2,4,5-Trichloroanisole, *in* T-00441
▷1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane, T-00432
▷Trichloro-*tert*-butylalcohol, *see* T-00440
▷3,4,4′-Trichlorocarbanilide, *see* C-00262
▷2,4,5-Trichloro-α-(chloromethylene)benzyl dimethyl phosphate, *see* T-00107
▷2,3,5-Trichloro-*N*-(3,5-dichloro-2-hydroxyphenyl)-6-hydroxybenzamide, *see* O-00149
3′,4′,7-Trichloro-2,3-dihydro-5-hydroxy-1-benzothiepin-4-carboxanilide 1,1-dioxide, *see* E-00059
▷[2,2,2-Trichloro-1-(dimethoxyphosphinyl)ethyl] butanoate, *see* B-00413
▷2,2,2-Trichloro-1,1-ethanediol, T-00433
▷2,2,2-Trichloroethanol, T-00434
▷Trichloroethanol carbamate, *in* T-00434
▷2,2,2-Trichloroethanol carbonate, T-00435
▷2,2,2-Trichloroethanol dihydrogen phosphate, *see* T-00450
▷Trichloroethene, *see* T-00436
▷Trichloroethylene, T-00436
▷1,1′-(2,2,2-Trichloroethylidene)bis(4-chlorobenzene), *see* T-00432
1,2-*O*-(2,2,2-Trichloroethylidene)-D-glucofuranose, *see* C-00193
2,2,2-Trichloroethyl 4-phenyl-2-thiazolylcarbamate, *see* L-00103
2,2,2-Trichloroethyl phosphorodichloridate, *in* T-00450
2,2,2-Trichloroethyl phosphoryl dichloride, *in* T-00450
▷Trichloroethylurethan, *in* T-00434
9,11,21-Trichloro-6-fluoro-16,17-[(1-methylethylidene)-bis-(oxy)]pregna-1,4-diene-3,20-dione, *see* T-00452
2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298
β,β,β-Trichloro-α-hydroxy-*p*-acetophenetidide, *see* C-00492
▷2,4,4′-Trichloro-2′-hydroxydiphenyl ether, T-00437
4-[(2,2,2-Trichloro-1-hydroxy)ethoxy]acetanilide, *see* C-00492
17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, *in* H-00111
7-[2-(2,2,2-Trichloro-1-hydroxyethoxy)ethyl]theophylline, *see* T-00451
(2,2,2-Trichloro-1-hydroxyethyl)carbamic acid, T-00438
▷1,2,4-Trichloro-5-[(3-iodo-2-propynyl)oxy]benzene, *see* H-00018
▷Trichloroisocyanuric acid, JAN, *see* T-00442
▷Trichloromethane, *see* C-00241
▷Trichloromethiazide, T-00439
1,2,4-Trichloro-5-methoxybenzene, *in* T-00441
2-(Trichloromethyl)-1,3-dioxane-5,5-dimethanol, *see* P-00096
▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440
▷*N*-[2,2,2-Trichloro-1-(4-morpholinyl)ethyl]formamide, *see* T-00518
▷2,4,5-Trichlorophenol, T-00441
▷1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, T-00442
▷2,2′,2″-Trichlorotriethylamine, *see* T-00534
▷Trichlorourethan, *in* T-00434
▷Trichlorphon, T-00443
Trichocarpin, *in* D-00316
Trichocarpinine, *in* D-00316
▷Trichocereine, *in* M-00131
▷Trichomycin, *see* H-00001
▷Trichomycin *A*, *in* H-00001
Trichomycin *B*, *in* H-00001
▷Trichonat, *see* H-00001
▷Trichosanthin, T-00444
▷Trichosept, *see* H-00001
Triciribine, T-00445
▷Triciribine phosphate, *in* T-00445

Triclabendazole, T-00446
Triclacetamol, *in* A-00298
Triclazate, T-00447
▷Tri-Clene, *see* T-00436
▷Tricleryl, *in* T-00450
Triclobisonium(2+), T-00448
▷Triclobisonium chloride, *in* T-00448
▷Triclocarban, *see* C-00262
Triclodazol, T-00449
▷Triclofenol piperazine, *in* P-00285
▷Triclofos, T-00450
▷Triclofos sodium, *in* T-00450
Triclofylline, T-00451
Triclonide, T-00452
▷Tricloran, *in* T-00450
▷Tricloryl, *in* T-00450
▷Triclos, *in* T-00450
▷Triclosan, *see* T-00437
Triclose, *see* A-00502
▷Tricolam, *see* T-00293
▷Tricolamine, *see* T-00536
▷Tricoloid, *in* P-00455
Tricone, *in* D-00390
Tricosactide, T-00453
▷Tricosept, *see* T-00072
Tricreamalate, *in* M-00011
Tricromyl, *see* M-00231
▷Tricyclamol chloride, *in* P-00455
Tricyclamol iodide, *in* P-00455
▷Tricyclo[3.3.1.1^{3,7}]decan-1-amine, *see* A-00206
Tricyclo[4.2.2.0^{2,5}]dec-9-ene-3,4,7,8-tetracarboxylic 3,4:7,8-diimide, *see* M-00398
2-(Tricyclo[3.3.1.1.^{3,7}]dec-1-ylamino)ethyl (4-chlorophenoxy)-acetate, *see* A-00061
1-Tricyclo[3.3.1.1^{3,7}]dec-1-yl-2-azetidinecarboxylic acid, *see* A-00062
2-[(α-Tricyclo[2.2.1.0^{2,6}]hept-3-ylidenebenzyl)oxy]triethyl-amine, *see* T-00414
Tricylatate, *see* T-00447
▷Tricyvagol, *in* P-00455
▷Tridesilon, *see* D-00101
Tridihexethyl(1+), T-00454
Tridihexethyl chloride, *in* T-00454
▷Tridihexethyl iodide, *in* T-00454
▷Tridione, *see* T-00510
Tridiurecaine, T-00455
▷Trien, *see* T-00457
Trienbolone, *see* T-00410
▷Trientine, *see* T-00457
Trientine hydrochloride, *in* T-00457
▷Triethanolamine, *see* T-00536
▷Triethanomelamine, *see* T-00416
1,3,5-Triethoxybenzene, *in* B-00076
3-(2,4,5-Triethoxybenzoyl)propanoic acid, T-00456
2,4,5-Triethoxy-γ-oxobenzenebutanoic acid, *see* T-00456
▷Triethylene glycol diglycidyl ether, *see* D-00225
▷Triethylenemelamine, *see* T-00416
▷Triethylenetetramine, T-00457
▷*N*,*N*′,*N*″-Triethylenethiophosphoramide, *see* T-00211
Triethyl(2-hydroxyethyl)ammonium 3,4,5-trimethoxybenzoate, *see* T-00560
N,*N*,*N*-Triethyl-2-[4-(2-phenylethenyl)phenoxy]ethanaminium, *see* S-00155
N,*N*,*N*-Triethyl-2-[(3,4,5-trimethoxybenzoyl)oxy]ethanaminium, *see* T-00560
Trifartine, *see* C-00030
Trifenagrel, T-00458
Trifezolac, *see* T-00528
Triflocin, T-00459
▷Triflubazam, T-00460
Triflumidate, T-00461
Trifluomeprazine, T-00462
▷Trifluoperazine, T-00463
▷Trifluoperazine hydrochloride, *in* T-00463
Trifluorex, *in* M-00313
α,α,α-Trifluoro-2,4-cresotic acid, *see* H-00215
α,α,α-Trifluoro-2,6-dimethythio-1-piperidinecarboxy-*m*-toluidine, *see* T-00254
2-[[2-[4-(3,3,3-Trifluoro-1,2-diphenyl-1-propenyl)phenoxy]-ethyl]amino]ethanol, *see* P-00014
▷(2,2,2-Trifluoroethoxy)ethene, T-00464
▷2,2,2-Trifluoroethyl vinyl ether, *see* T-00464
6-(Trifluoromethoxy)-2-benzothiazolamine, *see* A-00339
▷2-[3-(Trifluoromethyl)anilino]nicotinic acid, *see* N-00113
▷6-Trifluoromethyl-2*H*-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, *see* F-00157
4′-(Trifluoromethyl)-2-biphenylcarboxylic acid, *see* T-00465
4′-(Trifluoromethyl)[1,1′-biphenyl]-2-carboxylic acid, T-00465
1-[2-[[4′-(Trifluoromethyl)-4-biphenyl]oxy]ethyl]pyrrolidine, *see* B-00263
1-[2-[[4′-(Trifluoromethyl)[1,1′-biphenyl]-4-yl]oxy]ethyl]-pyrrolidine, *see* B-00263
▷6-Trifluoromethyl-3,4-dihydro-7-sulfamoyl-1,2,4-benzothiadiazine 1,1-dioxide, *see* H-00099
▷3′-Trifluoromethyldiphenylamine-2-carboxylic acid, *see* F-00148
2,2,2-Trifluoro-1-methylethyl 2-cyanoacrylate, *see* F-00141
2,2,2-Trifluoro-1-methylethyl 2-cyano-2-propenoate, *see* F-00141
α,α,α-Trifluoro-5-methyl-4-isoxazolecarboxy-*p*-toluidide, *see* L-00019
1-(3′-Trifluoromethyl-4′-nitrophenyl)-4,4-dimethylimidazoline-2,5-dione, *see* N-00143
▷α,α,α-Trifluoro-2-methyl-4′-nitro-*m*-propionotoluidide, *see* F-00224
8-(Trifluoromethyl)-10*H*-phenothiazine-1-carboxylic acid, T-00466
▷4-[3-[2-(Trifluoromethyl)-10*H*-phenothiazin-10-yl]propyl]-1-piperazineethanol, *see* F-00202
2-[[1-[3-[2-(Trifluoromethyl)-10*H*-phenothiazin-10-yl]-propyl]-4-piperidyl]oxy]ethanol, *see* F-00203
▷2[[3-(Trifluoromethyl)phenyl]amino]benzoic acid, *see* F-00148
▷2-[(3-Trifluoromethyl)phenyl]aminobenzoic acid 2-(2-hydroxyethoxy)ethyl ester, *see* E-00248
▷2-[[3-Trifluoromethyl)phenyl]amino-3-pyridinecarboxylic acid, *see* N-00113
4-[[(3-Trifluoromethyl)phenyl]amino]-3-pyridinecarboxylic acid, *see* T-00459
N-[[4-[[3-(Trifluoromethyl)phenyl]amino]-3-pyridinyl]-sulfonyl]propanamide, *see* G-00007
▷2-[3-(Trifluoromethyl)phenyl]-4-benzyltetrahydro-1,4-oxazine, *see* F-00160
▷2-[(4-Trifluoromethyl)phenyl]1,3-indanedione, T-00467
▷2-[4-(Trifluoromethyl)phenyl]-1*H*-indene-1,3(2*H*)dione, *see* T-00467
6-[4-(Trifluoromethyl)phenyl]-3-morpholinone, *see* F-00159
▷2-[4-[3-(Trifluoromethyl)phenyl]-1-piperazinyl]ethyl 2[[7-(trifluoromethyl)-4-quinolinyl]amino]benzoate, *see* A-00419
[2-[4-[3-(Trifluoromethyl)phenyl]-1-piperazinyl]ethyl]urea, *see* F-00206
▷2-[[8-(Trifluoromethyl)-4-quinolinyl]amino]benzoic acid 2,3-dihydroxypropyl ester, *see* F-00119
▷*N*-[8-(Trifluoromethyl)-4-quinolyl]anthranilic acid 2,3-dihydroxypropyl ester, *see* F-00119
4-(Trifluoromethyl)salicyclic acid, *see* H-00215
4-[3-[6-(Trifluoromethyl)-4*H*-thieno[2,3-*b*][1,4]-benzothiazin-4-yl]propyl]-1-piperazineethanol, *see* F-00229
▷4-[3-[2-(Trifluoromethyl)-9*H*-thioxanthen-9-ylidene]propyl]-1-piperazineethanol, *see* F-00198
1-(3-Trifluoromethyltrityl)-1,2,4-triazole, *see* F-00193
▷Trifluoroperazine, *see* T-00463
▷Trifluoropromazine, *see* F-00176
α,α,α-Trifluoro-*m*-salicylotoluidide, *see* S-00014
▷α,α,α-Trifluorothymidine, *see* D-00084
4-(α,α,α-Trifluoro-*m*-toluidino)nicotinic acid, *see* T-00459

▷*N*-(α,α,α-Trifluoro-*m*-tolyl)anthranilic acid, *see* F-00148
▷*N*-(α,α,α-Trifluoro-*m*-tolyl)anthranilic acid 2-(2-hydroxyethoxy)ethyl ester, *see* E-00248
▷2-(α,α,α-Trifluoro-*p*-tolyl)-1,3-indandione, *see* T-00467
▷2-(α,α,α-Trifluoro-*m*-tolyl)morpholine, *see* F-00160
6-(α,α,α-Trifluoro-*p*-tolyl)-3-morpholinone, *see* F-00159
▷2-[4-(α,α,α-Trifluoro-*m*-tolyl)-1-piperazinyl]ethyl *N*-[7-(trifluoromethyl)-4-quinolyl]anthranilate, *see* A-00419
[2-[4-(α,α,α-Trifluoro-*m*-tolyl)-1-piperazinyl]ethyl]urea, *see* F-00206
6,6,9-Trifluoro-11β,17,21-trihydroxy-16α-methylpregna-1,4-diene-3,20-dione, *see* C-00544
▷Trifluperazine, *see* T-00463
▷Trifluperidol, T-00468
▷Trifluperidol hydrochloride, JAN, *in* T-00468
▷Triflupromazine, *see* F-00176
▷Triflupromazine hydrochloride, *in* F-00176
▷Trifluridine, *see* D-00084
▷Triflusal, *in* H-00215
Triflutamine, *in* M-00313
Triflutrimeprazine, *in* T-00462
▷Trifosfamide, T-00469
Trifoside, T-00470
▷Trigatan, *in* C-00303
Trigevolol, T-00471
α-Triglycidyl isocyanurate, *see* T-00096
Triglycidylurazol, *see* A-00378
Triglycyllypressin, *see* T-00093
▷Tri-Grain, *in* M-00256
▷Triherpine, *see* D-00084
Trihexyphenidyl, *see* B-00081
▷Trihexyphenidyl hydrochloride, *in* B-00081
▷1,8,9-Trihydroxyanthracene, *in* D-00310
▷1,3,5-Trihydroxybenzene, *see* B-00076
2,2′,4-Trihydroxybenzophenone, T-00472
3,4′,5-Trihydroxybibenzyl, *see* D-00345
3,11,14-Trihydroxy-20(22)-cardenolide, T-00473
3,14,16-Trihydroxy-20(22)-cardenolide, T-00474
2′,4,4′-Trihydroxychalcone, *see* D-00346
9,11,15-Trihydroxy-16-*m*-chlorophenoxy-13-thia-17,18,19,20-tetranor-5-prostenoic acid, *see* L-00114
3,7,12-Trihydroxy-24-cholanoic acid, T-00475
▷*N*-3α,7α,12α-Trihydroxy-5β-cholan-24-oyltaurine, *see* T-00031
3,4,5-Trihydroxycinnamic acid, *see* T-00480
3,3′,5-Trihydroxy-4′,7-dihydroxyflavan, *in* P-00081
3′,4′,7-Trihydroxy-3,5-dimethoxyflavone, *in* P-00082
11β,17,21-Trihydroxy-6,16α-dimethyl-2′-phenyl-2′*H*-pregna-2,4,6-trieno[3,2-*c*]pyrazol-20-one 21-acetate, *see* C-00551
N-(3α,7α,12α-Trihydroxy-23,24-dinor-5β-cholan-22-ylselenoacetyl)taurine, *see* T-00034
11β,17,21-Trihydroxy-B-homo-A-norpregn-1-ene-3,6,20-trione, *see* O-00119
3,4,5-Trihydroxy-2-hydroxymethylpiperidine, *see* T-00481
3′,5,7-Trihydroxy-4′-methoxyflavone, T-00476
11β,17α,21-Trihydroxy-16-methylene-1,4-pregnadiene-3,20-dione, *see* P-00414
11,17,21-Trihydroxy-16-methylenepregna-4,6-diene-3,20-dione, *see* I-00197
▷(6α,11β)-11,17,21-Trihydroxy-6-methyl-1,4-pregnadiene-3,20-dione, *see* M-00297
2-[[[(3,7,12-Trihydroxy-20-methylpregnan-21-yl)seleno]-acetyl]-amino]ethanesulfonic acid, *see* T-00034
▷9,11,15-Trihydroxy-15-methylprosta-5,13-dien-1-oic acid, *see* C-00062
1,11,16-Trihydroxy-16-methylprost-13-en-9-one, *see* R-00061
▷3,11,16-Trihydroxy-29-nor-8α,9β,13α,14β-dammara-17(20),24-dien-21-oic acid 16-acetate, *see* F-00303
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide, T-00477
3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide, T-00478
▷2,4,5-Trihydroxyphenethylamine, *see* A-00255
▷7-[2-(β,3,4-Trihydroxyphenethylamino)ethyl]theophylline, *see* T-00167
▷7-[3-[(β,3,5-Trihydroxyphenethyl)amino]propyl]theophylline, *see* R-00026
3-(3,4,5-Trihydroxyphenyl)acrylic acid, *see* T-00480
▷1-(2,4,6-Trihydroxyphenyl)-1-propanone, T-00479
3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid, T-00480
(2,3,4-Trihydroxyphenyl)(3,4,5-trihydroxyphenyl)methanone, *see* H-00052
3,4,5-Trihydroxy-2-piperidinemethanol, T-00481
▷11β,17α,21-Trihydroxy-1,4-pregnadiene-3,20-dione, *see* P-00412
▷11β,17,21-Trihydroxypregna-1,4-diene-3,20-dione 21-[4-[*p*-[bis(2-chloroethyl)amino]phenyl]butyrate], *see* P-00411
11,17,21-Trihydroxy-1,4,7-pregnatriene-3,20-dione, T-00482
▷11β,17α,21-Trihydroxy-4-pregnene-3,20-dione, *see* C-00548
▷1,2,3-Trihydroxypropane, *see* G-00064
▷2′,4′,6′-Trihydroxypropiophenone, *see* T-00479
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483
9,11,15-Trihydroxyprost-13-enoic acid, T-00484
▷2,2′,2″-Trihydroxytriethylamine, *see* T-00536
▷α,4,4′-Trihydroxytriphenylmethane-2-carboxylic acid lactone, *see* P-00162
2,3,23-Trihydroxy-12-ursen-28-oic acid, T-00485
2,4,6-Triiodo-1,3,5-benzenetricarboxylic acid tris[bis(2-hydroxyethyl)amide], *see* I-00136
▷Triiodomethane, T-00486
2,4,6-Triiodo-3-[2-[2-[2-[2-(2-methoxy)ethoxy]ethoxy]-ethoxy]-acetamido]benzoic acid, *see* I-00143
▷*N*,*N*′-[2,4,6-Triiodo-5-[(methylamino)carbonyl]-1,3-phenyl]-bis-D-gluconamide, *see* I-00113
4-[2,4,6-Triiodo-3-(morpholinocarbonyl)phenoxy]butyric acid, *see* I-00092
2-[[2,4,6-Triiodo-3-[(1-oxobutyl)amino]phenyl]methylene]-butanoic acid, *see* B-00363
▷2-(2,4,6-Triiodophenoxy)butanoic acid, *see* P-00160
▷2-(2,4,6-Triiodophenoxy)butyric acid, *see* P-00160
3,3′,5-Triiodothyronine, T-00487
1,2:3,4:5,6-Tri-*O*-isopropylidene-D-glucitol, *in* G-00054
▷Trijobil, *see* P-00160
▷Trilaton, *see* P-00129
Triletide, T-00488
▷Trillekamin, *in* T-00534
Trillin, *in* S-00129
▷Trilombine, *see* I-00128
▷Trilon *B*, *see* E-00186
▷Trilon B, *in* E-00186
▷Triloshade, *see* I-00128
▷Trilostane, T-00489
▷Trilox, *see* T-00489
▷Triludan, *see* T-00088
Trimax, *see* M-00011
Trimazafone, *see* R-00051
Trimazosin, T-00490
Trimazosin hydrochloride, *in* T-00490
Trimebutine, T-00491
Trimebutine maleate, JAN, *in* T-00491
▷Trimecaine, T-00492
▷Trimedoxime(2+), T-00493
▷Trimedoxime bromide, *in* T-00493
▷Trimeglamide, *see* T-00431
▷Trimelarsan, *in* M-00076
Trimepaton, *in* D-00346
▷Trimeperidine, T-00494
▷Trimepranol, *see* M-00322
▷Trimeprazine, T-00495
▷Trimeprazine tartrate, *in* T-00495
▷Trimeproprimine, *see* T-00516
Trimetamide, T-00496
Trimetamide, *see* T-00496
▷Trimetaphan camsilate, *in* T-00498
▷Trimetaphan camsylate, *in* T-00498
▷Trimetaquinol hydrochloride, JAN, *in* T-00418
Trimetazidine, T-00497
▷Trimetazidine hydrochloride, JAN, *in* T-00497
▷Trimethadione, *see* T-00510

Trimethaphan(1+), T-00498
Trimethazone, *see* T-00430
Trimethidinium(2+), T-00499
▷Trimethidinium methosulphate, *in* T-00499
▷Trimethiophane, *in* T-00498
Trimethobenzamide, T-00500
▷Trimethobenzamide hydrochloride, *in* T-00500
▷Trimethobenzylycine, *see* T-00431
▷Trimethoprim, T-00501
Trimethoprim sulfate, *in* T-00501
▷Trimethoxyamphetamine, *see* T-00504
6-(3,4,5-Trimethoxybenzamido)hexanoic acid, *see* C-00030
▷1,3,5-Trimethoxybenzene, *in* B-00076
▷3,4,5-Trimethoxybenzeneethanamine, *see* M-00131
3,4,5-Trimethoxybenzoic acid 2-(dimethylamino)-2-phenylbutyl ester, *see* T-00491
3,4,5-Trimethoxybenzoic acid 3-[[(2,2-diphenylcyclopropyl)-methyl]amino]propyl ester, *see* E-00006
▷3,4,5-Trimethoxybenzoic acid 1,2-ethanediyltris(methylimino)-3,1-propanediyl ester, *see* H-00066
▷3,4,5-Trimethoxybenzoic acid 3,3′-[ethylenebis(methylimino)]di-1-propanol, *see* H-00066
3,4,5-Trimethoxybenzoyl-ε-aminocaproic acid, *see* C-00030
6-[(3,4,5-Trimethoxybenzoyl)amino]hexanoic acid, *see* C-00030
▷4-(3,4,5-Trimethoxybenzoyl)morpholine, T-00502
1-(2,3,4-Trimethoxybenzyl)piperazine, *see* T-00497
2′,4,4′-Trimethoxychalcene, *in* D-00346
4-(3,4,5-Trimethoxycinnamoyl)-1-piperazineacetic acid, *see* C-00362
N-(3,4,5-Trimethoxycinnamoyl)-Δ^3-piperidin-2-one, *see* P-00298
6,6′,12-Trimethoxy-2,2′-dimethylberbaman-7-ol, *see* F-00017
7′,10,11-Trimethoxyemetan-6′-ol, *see* C-00172
2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol, T-00503
▷3,4,5-Trimethoxy-α-methylbenzeneethanamine, *see* T-00504
3,4,5-Trimethoxy-*N*-methyl-α-2-propenylbenzeneethanamine, *see* T-00519
▷3,4,5-Trimethoxyphenethylamine, *see* M-00131
3,4,5-Trimethoxy-*N*-[1-(phenoxymethyl)-2-(1-pyrrolidinyl)-ethyl benzamide, *see* F-00085
N-[2-(3,4,5-Trimethoxyphenyl)ethyl]acetamide, *in* M-00131
1-[(2,3,4-Trimethoxyphenyl)methyl]piperazine, *see* T-00497
▷5-[(3,4,5-Trimethoxyphenyl)methyl]-2,4-pyrimidinediamine, *see* T-00501
▷3-(3,4,5-Trimethoxyphenyl)-2-propenamide, *in* T-00480
▷1-(3,4,5-Trimethoxyphenyl)-2-propylamine, T-00504
(2,4,6-Trimethoxyphenyl)(3-pyrrolidinopropyl)ketone, *see* P-00598
3,4,5-Trimethoxy-*N*-3-piperidylbenzamide, *in* A-00314
1,2,3-Trimethoxypropane, *in* G-00064
2′,4′,6′-Trimethoxy-4-(1-pyrrolidinyl)butyrophenone, *see* P-00598
3′,4′,5′-Trimethoxy-3-(3-pyrrolin-1-yl)acrylophenone, *see* R-00074
▷4-(3,4,5-Trimethoxythiobenzoyl)morpholine, *see* T-00540
2,3α,11-Trimethoxyyohimban-1-carboxylic acid methyl ester, *see* M-00336
11,17,18-Trimethoxyyohimban-16-carboxylic acid methyl ester, *see* M-00336
N,9,9-Trimethyl-10(9*H*)-acridinepropanamine, *see* M-00429
2,2,6*N*-Trimethyladenosine, *in* M-00219
N-(γ-Trimethylammoniopropyl)-*N*-methylcamphidinium, *see* T-00499
▷4,4,17-Trimethylandrosta-2,5-dieno[2,3-*d*]isoxal-17β-ol, *see* A-00511
N,10,10-Trimethyl-$\Delta^{9(10H),\alpha}$-anthracenepropylamine, *see* L-00061
6,6,9-Trimethyl-9-azabicyclo[3.3.1]non-3β-yldi-2-thienylglycolate, *see* M-00028
6,6,9-Trimethyl-9-azabicyclo[3.3.1]non-3-yl-α-hydroxy-α-2-thienyl-2-thiopheneacetate, *see* M-00028
1,8,8-Trimethyl-3-azabicyclo[3.2.1]octane-2,4-dione, *in* T-00508
▷α,α,β-Trimethylbenzeneethanamine, *see* M-00288
4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505
▷1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one, *see* C-00023
Trimethyl citrate, *in* C-00402
▷3,3,5-Trimethylcyclohexanol, T-00506
3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate, T-00507
▷3,3,5-Trimethylcyclohexyl mandelate, *see* C-00586
3,3,5-Trimethylcyclohexyl mandelate nicotinate, *see* M-00362
3,3,5-Trimethylcyclohexylnicotinate, *in* T-00506
3,3,5-Trimethylcyclohexyl salicylate, *see* T-00507
▷1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid, T-00508
N,*N*,*N*-Trimethyl-1,3-dioxolane-4-methanaminium, *see* O-00091
▷*N*,*N*,1-Trimethyl-3,3-di-2-thienylallylamine, *see* D-00455
▷Trimethylene, *see* C-00635
▷Trimethylenebis(clofibrate), *see* S-00074
▷1,1′-Trimethylenebis(4-formylpyridinium) dioxime, *see* T-00493
4,4′-(Trimethylenedioxy)bis(3-bromobenzamidine), *see* D-00168
1,10-Trimethylene-8-methyl-1,2,3,4-tetrahydropyrazino[1,2-*a*]-indole, *see* P-00340
N,*N*,*N*-Trimethyl-2-furanmethanaminium(1+), *in* F-00282
▷2,5,9-Trimethyl-7*H*-furo[3,2-*g*][1]benzopyran-7-one, *see* T-00521
N,*N*,*N*-Trimethyl-1-hexadecanaminium, *see* H-00044
(3,5,5-Trimethylhexanoyl)ferrocene, T-00509
▷*N*,1,5-Trimethyl-4-hexenylamine, *in* M-00256
N,*N*,*N*-Trimethylmethanaminium, *see* T-00144
▷2,2,3-Trimethyl-3-(methylamino)norbornane, *see* M-00041
2,4,6-Trimethyl-*N*-(1-methylhexyl)benzenemethanamine, *see* T-00515
2,4,6-Trimethyl-*N*-(1-methylhexyl)benzylamine, *see* T-00515
Trimethyl (1-methyl-2-phenothiazin-10-ylethyl)ammonium, *see* T-00182
N,*N*,6-Trimethyl-2-(4-methylphenyl)imidazo[1,2-*a*]pyridine-3-acetamide, *see* Z-00033
N,*N*,β-Trimethyl-2-(methylthio)-10*H*-phenothiazine-10-propanamine, *see* M-00182
▷Trimethylolaminomethane, *see* A-00268
▷Trimethylolnitromethane, *see* H-00168
▷Trimethylolpropane, *see* E-00194
▷3,5,5-Trimethyl-2,4-oxazolidinedione, T-00510
▷6,6,9-Trimethyl-3-pentyl-6*H*-dibenzo[*b*,*d*]pyran-1-ol, *see* C-00026
▷α,α,β-Trimethylphenethylamine, *see* M-00288
▷*N*,*N*,α-Trimethyl-10*H*-phenothiazine-10-ethanamine, *see* P-00478
▷*N*,*N*,β-Trimethyl-10*H*-phenothiazine-10-propanamine, *see* T-00495
▷*N*,*N*,β-Trimethyl-10*H*-phenothiazine-10-propanamine 5,5-dioxide, *see* O-00132
N,*N*,4-Trimethyl-γ-phenylbenzenepropanamine, *see* T-00367
▷*N*,*N*,*N*′-Trimethyl-*N*′-(3-phenyl-1*H*-indol-1-yl)-1,2-ethanediamine, *see* B-00168
N,3,3-Trimethyl-1-phenyl-1-phthalanpropylamine, *see* T-00014
▷1,2,5-Trimethyl-4-phenyl-4-piperidinol propanoate, *see* T-00494
▷1,2,5-Trimethyl-4-phenyl-4-propionyloxypiperidine, *see* T-00494
1,2,6-Trimethylpiperidine, *in* D-00448
1,α,α-Trimethyl-2-piperidinemethanol diphenylacetate, *see* P-00271
▷2,2,6-Trimethyl-4-piperidinol, T-00511
▷4,5′,8-Trimethylpsoralen, *see* T-00521
1,4,6-Trimethyl-2(1*H*)-pyridinone, *in* D-00451
▷*N*,*N*,α-Trimethyl-10*H*-pyrido[2,3-*b*][1,4]benzothiazine-10-ethanamine, *see* I-00214
17β-[(Trimethylsilyl)oxy]androst-4-en-3-one, *in* H-00111
N,*N*,*N*-Trimethyl-2-(sulfooxy)ethanaminium hydroxide inner salt, *in* C-00308
▷5,9,13-Trimethyl-4,8,12-tetradecatrienoic acid 3,7-dimethyl-2,6-octadienyl ester, *see* G-00013

Trimethyltetradecylammonium(1+), T-00512
2,2,5-Trimethyl-3-thiomorpholinecarboxylic acid 1-oxide, *see* T-00329
5,7,8-Trimethyltocol, *see* T-00335
Trimethyl(1-*p*-tolyldodecyl)ammonium, *see* T-00357
4,8,12-Trimethyl-3,7,11-tridecatrienoic acid, T-00513
N,*N*,β-Trimethyl-2-(trifluoromethyl)-10*H*-phenothiazine-10-propanamine, *see* T-00462
1,1,6-Trimethyl-2-[[(trimethylammonio)ethoxy]carbonyl]-piperidinium, *see* D-00376
2,5,8-Trimethyl-2-(4,8,12-trimethyltridecyl)chroman-6-ol, *see* T-00336
▷2,4,6-Trimethyl-1,3,5-trioxane, *see* P-00023
▷1,3,7-Trimethylxanthine, *see* C-00010
▷Trimetozine, *see* T-00502
Trimetrexate, T-00514
Trimexiline, T-00515
Trimexolone, *see* R-00057
▷Trimina, *in* T-00337
▷Trimipramine, T-00516
▷Trimipramine maleate, *in* T-00516
▷Trimitan, *in* T-00534
▷Trimolide, *see* T-00502
▷Trimon, *in* B-00207
Trimopam, *see* T-00412
Trimoprostil, T-00517
▷Trimorate, *in* A-00476
▷Trimorfamid, *see* T-00518
▷Trimorphamide, T-00518
Trimovate, *in* C-00437
Trimoxamine, T-00519
Trimoxamine hydrochloride, *in* T-00519
▷Trimpex, *see* T-00501
▷Trimustine, *see* T-00534
▷Trinalin, *in* A-00512
Trinalin, *in* M-00221
▷Trinitrin, *see* G-00066
▷Trinordiol, *in* E-00231
Trinordiol, *in* N-00218
▷Trinovum, *in* N-00212
▷Trinuride, *see* P-00153
▷3,5,3′-Triodothyroacetic acid, *see* T-00322
Triomet-125, *in* T-00487
▷Triomiro, *in* I-00095
▷Trional, *see* B-00211
▷Trionalone, *see* B-00211
Trionine, *in* T-00487
Triopron, *see* T-00231
Triosil, *in* D-00138
Triothyrone, *see* T-00487
▷3,3′-(3,6,9-Trioxaundecanedioyldiimino)bis-2,4,6-triiodobenzoic acid, *see* I-00145
▷Trioxazine, *see* T-00502
Trioxifene, T-00520
▷Trioxifene mesylate, *in* T-00520
▷3,7,12-Trioxo-5β-cholan-24-oic acid, *see* D-00049
▷Trioxsalen, T-00521
▷Trioxysalen, *see* T-00521
Tripamide, T-00522
▷Triparanol, T-00523
Triparsam, *in* C-00041
Tripaverin, *in* B-00160
▷Tripelennamine, T-00524
▷Tripelennamine citrate, *in* T-00524
▷Triperidol, *see* T-00468
1,3,5-Triphenoxybenzene, *in* B-00076
8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]octanoic acid, T-00525
5-(Triphenylmethyl)-2-pyridinecarboxylic acid, T-00526
▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528
▷Triphthazinum, *see* T-00463
▷Triplopen, *in* B-00126
▷Triprolidine, T-00529
▷Triprolidine hydrochloride, *in* T-00529
Triprop, *see* T-00231
Tripropylacetic acid, *see* D-00525
▷Tripropylmethylamine, *see* P-00515
▷Tripsos, *see* T-00521
▷Triptene, *in* H-00219
▷Triptil, *in* P-00544
▷Triptolide, T-00530
Triptorelin, T-00531
Triptoreline, *see* T-00531
▷Triquinol, *in* T-00418
▷Trisamine, *see* A-00268
Tris(*p*-aminophenyl)methanol, *see* T-00532
Tris(4-aminophenyl)methanol, T-00532
▷Tris-*p*-anisylchloroethylene, *see* C-00290
▷Tris(1-aziridinyl)-1,4-benzoquinone, T-00533
▷2,3,5-Tris(1-aziridinyl)-2,5-cyclohexadiene-1,4-dione, *see* T-00533
▷Tris(1-aziridinyl)phosphine sulfide, *see* T-00211
▷Tris buffer, *see* A-00268
▷Tris(2-chloroethyl)amine, T-00534
▷*N*,*N*,3-Tris(2-chloroethyl)tetrahydro-2*H*-1,3,2-oxazaphosphorin-2-amine 2-oxide, *see* T-00469
▷Tris(dimethylamino)-1,3,5-triazine, T-00535
1,3,5-Tris(2,3-epoxypropyl)-*s*-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, *see* T-00096
Tris(heptafluoropropyl)amine, *see* H-00025
▷Tris(2-hydroxyethyl)amine, T-00536
N,*N*,*N*′-Tris(2-hydroxyethyl)-*N*′-octadecyl-1,3-propanediamine, T-00537
▷Tris(hydroxymethyl)aminomethane, *see* A-00268
▷Tris(hydroxymethyl)nitromethane, *see* H-00168
Tris[metasilicato(2−)]dioxodimagnesium(1:2) aluminate(4−), *see* S-00072
2,3,3-Tris(*p*-methoxyphenyl)-*N*,*N*-dimethylallylamine, *see* A-00341
4,4′-Trismethylenedioxydibenzamidine, *see* P-00487
Tris(2-nitroxyethyl)amine, T-00538
▷Trisodium edetate, *in* E-00186
▷Trisodium phosphonoformate, *in* P-00216
Trisogel, *in* M-00011
▷Trisoralen, *see* T-00521
1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, *see* T-00096
1,2,4-Tris(oxiranylmethyl)-1,2,4-triazolidine-3,5-dione, *see* A-00378
Tris(8-quinolinato)indium, *in* H-00211
▷Trisulfapyrimidines, USAN, *in* S-00196
▷Trisulfapyrimidines, USAN, *in* S-00237
▷Trisulfapyrimidines, USAN, *in* S-00242
▷Triten, *in* D-00391
1,3λ^4,δ^2,5,2,4-Trithiadiazine, T-00539
▷Trithion, *see* C-00060
Tri-Thyrotope, *in* T-00487
▷Tritiozine, T-00540
Tritoqualine, T-00541
▷Trittico, *in* T-00405
▷Tri-tumine, *in* T-00524
5-Tritylpicolinic acid, *see* T-00526
▷Trivastal, *see* P-00324
Trixolane, T-00542
▷Trizinoral, *see* T-00540
Trizoxime, T-00543
▷Trobicin, *in* S-00111
▷Trocimine, T-00544
▷Trocinate, *in* T-00215
▷Troclosene, *see* D-00203
▷Troclosene potassium, *in* D-00203
Trodax, *in* H-00142
▷Trofosfamide, *see* T-00469
▷Trolamine, *see* T-00536
▷Troleandomycin, *in* O-00035
▷Trolene, *see* F-00039
Trolnitrate, *see* T-00538
▷Trolnitrate phosphate, *in* T-00538
▷Trolone, *see* S-00263
Tromal, *see* B-00419
▷Tromalyt active substance, *see* B-00122

Tromantadine, T-00545
▷Tromaril, *see* E-00054
Tromasédan, *in* B-00107
▷Tromasin, *see* P-00018
▷Trombavar, *in* E-00209
▷Trombovar, *in* E-00209
▷Trometamol, *see* A-00268
▷Tromethamine, *see* A-00268
▷Tromexan, *in* B-00219
▷Tromocaps, *see* B-00122
▷Tronolane, *in* P-00398
▷Tronothane, *see* P-00398
▷Trontane, *in* P-00398
Tropabazate, T-00546
Tropalpin, *see* D-00410
3-Tropanol 3-(*p*-hydroxyphenyl)-2-phenylpropionate acetate, *see* T-00556
▷(1α*H*,5α*H*)-Tropan-3α-ol mandelate ester, *see* H-00082
1α*H*,5α*H*-Tropan-3α-ol 2-methylcrotonate, *see* T-00553
Tropanserin, T-00547
Tropanserin hydrochloride, *in* T-00547
Tropan-3-yl 3,5-dimethylbenzoate, *see* T-00547
Tropan-3-yl mesitylenoate, *see* T-00547
3α-Tropanyl 2-methyl-2-phenylhydracrylate, *see* A-00474
▷5-(3-Tropanyloxy)-5*H*-benzo[4,5]cyclohepta[1,2-*b*]pyridine, *see* T-00555
Tropan-3-yl-*O*-propionyltropate, *in* T-00554
Tropaphen, *see* T-00556
Tropapride, T-00548
Troparil, T-00549
Tropatepine, T-00550
▷Tropax, *in* O-00147
Tropenziline(1+), T-00551
Tropenziline bromide, *in* T-00551
▷Tropethydrylin, *see* E-00172
Trophenium, *in* P-00137
▷Trophicardyl, *see* I-00073
Tropicamide, T-00552
Tropigline, T-00553
Tropine 3-(*p*-hydroxyphenyl-2-phenylpropionate) acetate, *see* T-00556
Tropine tiglate, *see* T-00270
Tropine tropate, T-00554
Tropinox, *in* T-00554
▷Tropirine, T-00555
▷Tropium, *in* C-00200
Tropodifene, T-00556
Trospectomycin, T-00557
Trospectomycin sulfate, *in* T-00557
Trospium(1+), T-00558
▷Trospium chloride, *in* T-00558
Trosyd, *in* T-00298
Trosyl, *in* T-00298
▷Trothane, *see* B-00294
Trox, *in* T-00561
Troxerutin, T-00559
▷Troxidone, *see* T-00510
Troxipide, *in* A-00314
▷Troxone, *in* T-00560
Troxonium(1+), T-00560
▷Troxonium tosilate, *in* T-00560
▷Troxonium tosylate, *in* T-00560
▷Troxozone, *see* R-00016
Troxypyrrole, *in* T-00561
Troxypyrrolium(1+), T-00561
Troxypyrrolium tosylate, *in* T-00561
D-Trp^6 LHRH, *see* T-00531
Truxa, *see* O-00094
Truxicurium(2+), T-00562
Truxipicurium(2+), T-00563
Truxipicurium iodide, *in* T-00563
▷Tryalon, *see* T-00479
Trypadine, *in* D-00460
Trypan red, T-00564
▷Tryparsamide, *see* C-00041
Tryparsone, *in* C-00041
Tryponarsyl, *in* C-00041
Trypothane, *in* C-00041
▷Trypsin, T-00565
α_1-Trypsin inhibitor, *see* A-00418
▷Trypsin inhibitor (ox pancreas basic), *see* A-00432
▷Tryptamine, T-00566
▷Tryptar, *see* T-00565
▷Tryptizol, *in* N-00224
Tryptophan, T-00567
6-D-Tryptophanluteinizing hormone-releasing factor (pig), *see* T-00531
▷6-D-Tryptophan-7-(*N*-methyl-L-leucine)-9-(*N*-ethyl-L-prolinamide)-10-deglycinamide-luteinizing hormone-releasing factor (pig), *see* L-00117
L-Tryptophyl-L-alanyl-glycyl-glycyl-L-aspartyl-L-alanyl-L-seryl-glycyl-L-glutamic acid, T-00568
▷Trypure, *see* T-00565
▷TS 160, *in* T-00534
▷TS 219, *see* P-00027
▷TS 408, *in* C-00548
TSAA-291, *see* O-00102
▷TSH, *see* T-00232
▷TSH-releasing hormone, *see* T-00229
T.S.P., *in* H-00044
▷TTFD, *see* F-00299
▷TTH, *see* T-00232
TTPG, *see* S-00145
▷Tuamine, *see* H-00030
▷Tuaminoheptane, *see* H-00030
▷Tuazole, *see* M-00172
Tuberactinamine N, *in* T-00569
▷Tuberactinomycin *B*, *see* V-00050
▷Tuberactinomycin *N*, T-00569
Tuberculin, T-00570
Tubil, *see* O-00152
▷Tubocurarine(2+), T-00571
Tubocurarine chloride, *in* T-00571
Tubocurin, *in* T-00571
Tubocurine, *see* C-00309
Tubulozole, T-00572
Tubulozole hydrochloride, *in* T-00572
Tuclazepam, T-00573
Tuftsin, T-00574
▷Tugon, *see* T-00443
▷Tuinal, *in* A-00352
Tulipinolide, *in* H-00134
Tulobuterol, *see* B-00426
▷Tulobuterol hydrochloride, JAN, *in* B-00426
Tumenol, *see* I-00010
▷Tumetil, *in* M-00351
▷Tumex, *in* D-00449
Tumixol, *see* X-00013
Tumour necrosis factor, T-00575
▷Tunik, *in* A-00068
Tuplix, *in* B-00141
Turbocalcin, *see* E-00023
Turec, *in* B-00023
Turimycin EP_3, *see* M-00023
▷Turimycin P_3, *see* P-00371
Turimycin H_4, *see* L-00034
▷Turimycin A_5, *see* L-00033
▷Turimycin H_5, *see* L-00032
▷Turinal, *see* A-00132
Turisteron, *in* E-00231
▷Turisynchron, *see* M-00165
Turloc, *see* M-00345
▷Turoptin, *see* M-00322
Tuselin, *in* A-00126
Tussapax, *see* F-00027
▷Tusscodin retard, *see* N-00095
Tussefane, *see* F-00027
Tussets, *in* D-00173
Tussidin, *see* D-00397
Tussiglaucin, *in* G-00028
▷Tussilan, *in* C-00438
Tussilex, *see* D-00610

▷Tussipan, *see* C-00525
▷Tussirama, *in* F-00240
Tussizid, *see* D-00397
Tussol, *in* D-00284
▷Tussoryl, *in* C-00037
Tuvatidine, T-00576
▷TVX 1322, *see* A-00013
▷TVX 1764, *see* C-00369
TVX 2656, *see* C-00359
TVX 2706, *see* N-00167
TVX 3158, *see* S-00048
TVX 4148, *in* T-00260
TVX 647, *see* M-00445
TVX P 4495, *in* T-00266
TVXQ7821, *in* I-00167
TX-066, *in* N-00200
▷Tybamate, T-00577
▷Tybatran, *see* T-00577
▷Tydamine, *see* T-00516
▷Tydantil, *see* N-00118
Tyformin, *in* G-00110
Tylagel, *in* T-00367
▷Tylan, *see* T-00578
▷Tylciprine, *in* P-00186
▷Tylemalum, *see* C-00068
▷Tylon, *see* T-00578
▷Tylosin, T-00578
Tylosin *D*, T-00579
▷Tylosin C, *in* T-00578
Tylosterone, *in* D-00257
▷Tymasil, *see* P-00253
Tymazoline, T-00580
▷Tymelet, *in* L-00074
▷Tymelyt, *in* L-00074
▷Tymium, *see* F-00022
Tymtran, *in* C-00005
Typindole, *see* T-00313
▷Tyrimide, *in* I-00199
▷Tyroliberin, *see* T-00229
Tyromedan, *see* T-00230
▷Tyropanoate sodium, *in* T-00581
Tyropanoic acid, T-00581
▷Tyropaque, *in* T-00581
23-L-Tyrosinamide-$\alpha^{1\text{-}23}$-corticotropin, *see* T-00453
11-L-Tyrosinegramicidin *A*, *in* G-00084
L-Tyrosyl-D-alanylglycyl-L-phenylalanyl-N^2-methyl-L-methioninamide, *see* M-00325
L-Tyrosyl-N^6-formyl-D-lysylglycyl-*N*-(tetrahydro-2-oxo-3-thionyl)-L-phenylalaninamide, *see* O-00002
Tyrosylglycylglycylphenylalanylmethionylarginylarginylvalinamide, *see* A-00078
L-Tyrosyl-γ-(methylsulfinyl)-D-α-aminobutyrylglycyl-4-nitro-L-phenylalanyl-L-prolinamide, *see* N-00109
Tyrosylprolylphenylalanylprolinamide, T-00582
N-[1-[*N*-1-L-Tyrosyl-L-prolyl)-L-phenylalanyl]-D-prolyl]glycine, *see* D-00085
▷Tyrothricin, T-00583
[12-Tyr(SO_3H)]-Gastrin CI, *in* G-00012
[12-Tyr-(SO_3H)]Gastrin D1, *in* G-00012
[12-Tyr(SO_3H)]-Gastrin GI, *in* G-00012
[12-Tyr(SO_3H)]Gastrin HI, *in* G-00012
▷Tyrylen, *see* B-00394
Tyzanol, *in* T-00140
Tyzine, *in* T-00140
TZU 0460, *in* R-00097
▷U 27, *see* P-00245
▷U 0229, *see* F-00070
U 0441, *in* B-00115
U 0935, *see* A-00250
U 1063, *see* P-00523
U 1085, *see* L-00023
U 1093, *see* B-00373
▷U 1258, *see* P-00417
▷U 1363, *see* D-00483
▷U 197, *see* D-00124
▷U 2032, *in* E-00168
▷U-4191, *see* E-00162
▷U 4527, *in* D-00441
▷U 4761, *see* A-00187
▷U 5446, *in* P-00442
▷U 5762, *see* F-00273
▷U 5956, *see* F-00106
▷U 6987, *see* C-00070
▷U 7743, *see* C-00247
▷U 7750, *see* S-00163
▷U 8344, *see* B-00197
▷U 9558, *see* D-00407
▷U 9889, *see* S-00164
▷U9970, *see* M-00146
▷U 10136, *in* D-00341
▷U 10149, *see* L-00051
▷U 10387, *see* I-00181
▷U 12031, *see* I-00091
▷U 12062, *in* D-00339
U 12504, *see* G-00077
▷U 12898, *see* B-00247
U 13933, *see* A-00464
U 14462, *see* H-00032
▷U 14812, *see* A-00023
▷U 15167, *see* N-00198
U 15614, *in* N-00221
U 15965, *see* D-00048
▷U 17312*E*, *in* A-00222
U 17323, *in* F-00186
▷U 18396, *see* S-00248
▷U 18496, *see* A-00496
▷U 19183, *see* S-00109
▷U 19646, *in* C-00261
U 19718, *in* K-00002
U 19763, *in* H-00123
U 19803, *see* T-00363
▷U 20661, *see* S-00143
▷U 21240, *in* M-00078
▷U 21251, *see* C-00428
U 22020, *see* B-00227
U 22304*A*, *in* D-00472
▷U 22550, *in* H-00123
U 22559*A*, *in* D-00472
▷U 24792, *see* L-00082
▷U 24973*A*, *in* M-00081
▷U 26225*A*, *in* D-00416
U 26516, *in* C-00667
U 28288*D*, *in* G-00100
▷U 28508, *in* C-00428
U 28774, *see* K-00012
U 31920, *see* U-00004
U 32070, *see* H-00221
▷U-32921, *see* C-00062
▷U-33030, *see* T-00425
U 34865, *in* D-00267
▷U 36059, *see* A-00349
U 36385, *in* C-00062
▷U 40615, *in* S-00143
U-41,124, *see* A-00071
U 42585, *see* L-00071
U 42718, *in* L-00071
▷U 42842, *in* D-00334
U 43120, *see* P-00044
U 43795, *in* A-00405
U 44590, *see* D-00278
U 46785, *in* D-00322
▷U 49562, *in* A-00109
▷U 52047, *see* M-00092
U 53059, *see* I-00221
U 53217, *see* P-00528
U 53217*A*, *in* P-00528
U 53996*H*, *in* T-00038
U 54461, *see* A-00220
U 54555, *in* M-00344
U 54669*F*, *in* L-00102
U 56321, *see* T-00281
U 56407, *see* A-00410

U 56467, *in* P-00334
U 60257*B*, *in* P-00334
U 61431*F*, *in* C-00393
U 62066*E*, *in* S-00116
U 63196*E*, *see* C-00142
U-63287, *see* C-00339
U 67963, *in* P-00005
U 69167, *see* D-00544
U 70138, *see* P-00005
▷U 11100A, *in* N-00021
U 24729A, *in* M-00393
U 26597A, *in* D-00245
U 37862A, *in* E-00264
U-63557 A, *in* F-00289
U 67590A, *in* M-00297
▷Ubenimex, *see* B-00138
▷Ubicron, *see* B-00167
▷Ubidecarenone, *in* C-00531
Ubiquinone, *see* C-00531
Ubiquinone 6, *in* C-00531
Ubiquinone 7, *in* C-00531
Ubiquinone 8, *in* C-00531
Ubiquinone 9, *in* C-00531
▷Ubiquinone 10, *in* C-00531
▷Ubiquinone 50, *in* C-00531
Ubisindine, U-00001
▷Ubretid, *in* D-00540
▷Ubritil, *in* D-00540
▷UC 7744, *in* M-00238
▷Ucarcide, *see* P-00090
UCB 1109, *see* T-00051
▷UCB 1402, *see* D-00040
UCB 1414, *in* E-00246
▷UCB 1474, *in* C-00196
UCB 1545, *see* F-00025
UCB 2073, *see* E-00265
▷UCB 3412, *see* D-00557
UCB 3928, *see* F-00027
▷UCB 3983, *in* M-00116
▷UCB 5067, *in* O-00150
UCB 5080, *in* D-00315
UCB 6474, *see* E-00240
UCB B192, *in* D-00026
UCBC 325, *in* P-00303
UCB-G218, *see* I-00047
Ucb P071, *in* C-00184
Ucedorm, *see* B-00265
Ucepha 11001, *in* F-00282
▷Udantol, *see* I-00214
UD-CG 115-*BS*, *see* P-00261
Udieci active substance, *see* P-00020
▷U 30604E, *see* Z-00038
U-47931E, *in* B-00282
U-48753E, *in* E-00007
U 57930E, *see* P-00339
U 63-366F, *in* T-00557
▷Ufarin, *in* I-00183
▷Ufenamate, U-00002
Ufiprazole, U-00003
Ufrix, *see* B-00401
UFT, *in* T-00055
▷Ug 767, *in* P-00073
Ugaron, *see* E-00075
▷UGD, *see* Z-00031
UH AC 62, *see* M-00082
Ujothion, *see* B-00065
UK 2054, *in* F-00014
UK 2371, *in* M-00085
▷UK 4271, *see* O-00084
▷UK 738, *see* E-00172
▷UK 14275, *see* B-00372
UK 18892, *see* B-00404
UK 31,214, *see* P-00502
UK 31557, *see* C-00044
UK 33274, *see* D-00592
UK 3540-1, *in* A-00179
UK 3557-15, *in* D-00006
UK 38485, *see* D-00025
UK-49858, *see* F-00140
UK 6558-01, *in* T-00343
UK-33,274-27, *in* D-00592
UK-37,248-01, *in* D-00029
UK 48340-11, *in* A-00351
UK 61260-27, *in* N-00037
▷Ukidan, *see* U-00016
Ulbreval, *see* B-00400
▷Ulcazina, *see* H-00067
▷Ulcesium, *in* F-00081
▷Ulcex, *in* C-00196
▷Ulcoban, *in* B-00082
▷Ulcolin, *see* H-00067
Ulcort, *in* C-00548
Ulcyn, *in* E-00047
Uldazepam, U-00004
▷Ulfon, *in* A-00123
▷Ulgesium, *in* F-00081
Ulinastatin, U-00005
Ulobetasol, U-00006
Ulobetasol propionate, *in* U-00006
Ulphyn, *see* B-00068
▷Ultandren, *see* F-00195
▷Ultracain, *in* C-00103
Ultracorten *H*, *in* P-00412
Ultracortenol, *in* P-00412
Ultracorterenol, *in* P-00412
▷Ultracur *S*, *see* F-00175
Ultradol, *see* E-00245
▷Ultralan, *see* F-00175
Ultralen, *in* F-00175
▷Ultra-Minzil, *see* C-00630
▷Ultrapen, *in* P-00501
Ultraquinine, *see* C-00574
Ultraren, *see* I-00109
▷Ultrasul, *see* S-00243
Ultravist, *see* I-00131
UM 407, *see* C-00588
▷UM 495, *see* E-00263
▷UM 501, *in* E-00263
UM 531, *see* C-00646
UM 592, *in* N-00031
▷UM 792, *in* N-00034
▷Umbellatine, *see* B-00135
▷Umbelliferone, *see* H-00114
Umbelliferone methyl ether, *in* H-00114
Umespirone, U-00007
▷Umimycin, *see* C-00195
▷Umprel, *in* E-00103
▷Unacaine, *in* M-00143
Unakalm, *see* K-00012
▷Unal, *see* A-00298
Unasyn, *see* S-00262
▷Unava, *see* G-00037
Unblot, *in* O-00168
▷Uncinacina, *see* A-00455
▷10-Undecenoic acid, U-00008
▷Undecylenic acid, *see* U-00008
Undestor, *in* H-00111
Ungeremine, U-00009
▷Unidigin, *in* D-00275
Uniparin, *in* H-00026
▷Unipen, *in* N-00012
▷Unipres, *in* H-00096
UNITOP, *see* C-00577
▷Unospaston, *in* D-00480
UP 57, *in* D-00261
UP 74, *in* A-00326
▷UP 83, *see* N-00113
UP 106, *see* P-00508
UP 107, *see* B-00133
UP 164, *see* M-00444
UP 339-01, *in* C-00322
UP 34101, *see* P-00485

UP 507-04, *in* P-00233
UP 517-03, *see* I-00207
UP 788-42, *in* T-00262
Upotrope, *see* O-00110
Upsatux, *see* P-00361
UR 105, *see* F-00196
UR 112, *in* C-00456
▷UR 1501, *in* H-00215
UR 2310, *in* M-00263
▷UR 336, *see* C-00621
UR 661, *see* G-00045
▷Uracilcarboxylic acid, *see* O-00061
▷Uracillost, *see* B-00197
▷Uracilmostazo, *see* B-00197
▷Uracil mustard, *see* B-00197
▷Uractyl, *see* S-00203
Ural, *in* T-00438
▷Uralenic acid, *see* G-00072
Uraline, *in* T-00438
▷Uramid, *see* S-00203
▷Uramustine, *see* B-00197
▷Uranin, *see* F-00180
▷Urantoin, *see* N-00178
▷Urapidil, U-00010
Urazamide, *in* A-00275
Urbac, *see* N-00121
▷Urbanyl, *see* C-00433
▷Urea, U-00011
▷Ureaphil, *see* U-00011
▷Urea polymer with formaldehyde, *see* P-00385
▷Urecholine, *in* B-00143
▷Uredepa, U-00012
Uredofos, U-00013
Urefibrate, U-00014
5-Ureidoornithine, *see* C-00405
▷*p*-Ureidophenylarsonic acid, *see* C-00043
Urelim, *see* E-00152
▷Uremasron, *see* M-00069
▷Urenil, *see* S-00203
▷Urethane, *see* E-00177
▷Urethimine, *see* U-00012
6,6′-Ureylenebis[1-methylquinolinium], *see* Q-00037
Urfadine, *see* N-00135
Urfadyne, *see* N-00135
Urfamicin, *in* T-00179
Urfurine, *see* N-00135
▷URI 788, *see* D-00483
Uribact, *see* F-00155
▷Uri-Boi, *see* A-00225
▷Uridion, *see* I-00178
Uridurine, *see* N-00135
▷Urispas, *in* F-00112
▷Uritrol, *see* H-00182
▷Urocarb, *in* B-00143
▷Urocarf, *in* C-00074
▷Urocaudal, *see* T-00420
▷Urocomb-Gel, *see* P-00289
▷Urocontrast, *in* I-00101
Urofollitrophin, *see* U-00015
Urofollitropin, U-00015
Urofort, *see* A-00162
Urogastrone, *see* E-00075
β-Urogastrone (human), *in* E-00075
γ-Urogastrone (human), *in* E-00075
▷Urogran, *see* B-00122
▷Urokinase, U-00016
▷Urokon sodium, *in* A-00340
▷Urolin, *see* H-00182
▷Urolocide, *in* M-00147
▷Urombrine, *in* I-00095
▷Uromiro, *in* I-00095
▷Uromiron, *in* I-00095
▷Uronase, *see* U-00016
▷Uronefrex, *see* H-00106
▷Uronorm, *see* C-00377
Uropac, *see* I-00109
Uropen, *in* H-00035
▷Uropir, *see* P-00349
Uropterin, *see* X-00006
Uropuret, *in* H-00057
Uropurgol, *in* H-00057
▷Uro-Ripirin, *in* E-00035
▷Urosulfan, *see* S-00203
▷Urotrast, *in* D-00359
▷Urotropin, *see* H-00057
Urovalidin, *see* T-00092
▷Urovist, *in* D-00138
▷Ursodeoxycholic acid, *in* D-00320
▷Ursodiol, *in* D-00320
▷Ursol *P*, *see* A-00298
Ursonarcon, *see* C-00424
▷Ursovermit, *see* R-00003
Ursulcholic acid, *see* B-00236
Uscharidin, *in* G-00079
Ustimon, *in* H-00066
USV 3659-*S*, *in* C-00633
USV-E 142, *see* A-00388
USVP-G 233, *in* B-00334
▷Utergine, *in* M-00254
▷Utibid, *see* O-00131
▷Uticillin, *in* C-00074
Uticort, *in* B-00141
▷Utopar, *in* R-00067
Uval, *see* B-00098
Uviban, *in* E-00171
Uvicone, *see* H-00150
▷Uvinul *N*-35, *in* C-00582
Uvinul *MS*-40, *see* B-00098
Uvinul *N*-539, *in* C-00582
▷Uvinul M40, *in* D-00318
Uvistat, *see* H-00150
▷V 285, *see* D-00042
Vaderm, *in* A-00104
▷Vadilex, *in* I-00020
Vadocaine, V-00001
▷Vagantan, *in* M-00169
▷Vagifurin, *in* N-00177
Vagisec, *see* N-00206
Vagopax, *in* P-00028
Vagopax, *see* P-00035
Vagophemanil, *see* D-00482
Vagoprol, *see* B-00301
▷Vagosin, *in* P-00455
Vagosin sulfate, *in* P-00455
Vagothyl, *in* D-00216
▷Vagran, *see* A-00466
Vagran 50, *in* P-00508
▷Valacidin, *see* S-00162
[Val^5,Ala^{10}]Gastrin, *in* G-00012
[Val^5,Ala^{10},$Tyr(SO_3H)^{12}$]Gastrin, *in* G-00012
▷Valamin, *see* E-00154
▷Valan, *in* T-00182
Valase, *see* S-00145
▷Valbazen, *see* A-00096
▷Valbil, *see* B-00423
Valconazole, V-00002
Valcor, *see* D-00609
▷Valdetamide, *in* D-00251
Valdipromide, *in* D-00525
▷Valemate, *in* V-00003
▷Valepotriate, *see* V-00006
▷Valepotriatum, *see* V-00006
▷Valeramide-OM, *see* A-00296
▷Valergen, *in* O-00028
Valethamate(1+), V-00003
▷Valethamate bromide, *in* V-00003
▷Valexon, *see* P-00221
5-L-Valineangiotensin I, *in* A-00385
5-L-Valineangiotensin II, *in* A-00385
7-L-Valinecyclosporin *A*, *in* C-00638
9-L-Valinecyclosporin *A*, *in* C-00638
5-L-Valinecyclosporine, *A*, *in* C-00638

1-L-Valinegramicidin *A*, *in* G-00084
▷Valium, *see* D-00148
Vallaroside, *in* D-00274
Vallarosolanoside, *in* T-00474
▷Vallergan, *see* T-00495
▷Vallestril, *see* M-00164
▷Valmethamide, *in* E-00204
▷Valmid, *see* E-00154
▷Valmidate, *see* E-00154
▷Valmiran, *see* C-00639
▷Valnoctamide, *in* E-00204
Valodex, *see* T-00023
Valofane, V-00004
▷Valoid, *in* C-00595
Valopride, *see* C-00414
Valperinol, V-00005
▷Valpin, *see* O-00018
Valpipamate methyl sulfate, *in* P-00091
Valproate pivoxil, *in* P-00516
▷Valproate sodium, *in* P-00516
▷Valproic acid, *see* P-00516
Valpromide, *in* P-00516
Valproxen, *in* P-00516
▷Valtomycin, *see* M-00096
▷Valtrate, V-00006
▷Vamelidine, *in* O-00163
▷Vanadian, *see* A-00103
▷Vanay, *see* G-00065
▷Vancide BN, *in* B-00204
▷Vancil, *see* O-00084
▷Vancocin, *see* V-00007
▷Vancomycin, V-00007
▷Vancomycin hydrochloride, JAN, *in* V-00007
▷Vandid, *see* E-00146
▷Vaneferine, *in* D-00274
Vaneprim, V-00008
▷Vanetril, *see* M-00158
▷Vanidene, *see* B-00218
Vanillaberon, *see* F-00269
▷Vanillal, *in* D-00311
▷*o*-Vanillic acid, *in* D-00315
▷Vanillin, *in* D-00311
N^4,$N^{4'}$-Vanillylidenebissulfanilamide, *see* V-00010
N-Vanillylnonanamide, *see* N-00205
N-Vanillyloleamide, *see* H-00149
▷Vanilone, *see* B-00218
▷Vanirom, *in* D-00311
Vanitile, *see* B-00237
Vanitiolide, V-00009
Vanizide, *see* F-00269
▷Vanoxide, *in* D-00161
▷Vanquil, *in* V-00052
▷Vansil, *see* O-00084
▷Vantol, *in* B-00146
Vanyldisulfamide, V-00010
Vanyldisulfanilamide, *see* V-00010
▷Vanzoate, *in* B-00092
Vapedrine, *see* A-00040
▷Vapin, *see* O-00018
Vapiprost, V-00011
▷Vapona, *see* D-00207
▷Vaponephrin, *in* A-00075
▷Varbex, *see* F-00015
▷Vardax, *see* S-00227
▷Variclene, *see* H-00207
▷Varicol, *in* E-00209
▷Variotin, V-00012
▷Variplex, *see* E-00074
▷Variton, *in* D-00482
▷Varlane, *in* F-00174
▷Varoxil, *in* P-00422
Varsyl, *in* T-00292
Vasadol, *see* E-00048
▷Vasalgin, *see* P-00546
Vasargil, *in* T-00506
▷Vascor, *in* B-00134
▷Vascoray, *in* I-00140
Vascoril, *in* C-00362
▷Vasculit, *in* B-00010
▷Vascumicol, *in* B-00010
Vasexeten, *in* Q-00026
Vasicine, *see* P-00050
Vasobrix, *in* D-00138
▷Vasoc, *see* B-00071
Vasocard, *in* T-00080
Vasocet, *in* C-00183
Vasocidate, *in* T-00506
▷Vasocidin, *in* P-00412
▷Vasocil, *see* P-00568
▷Vasodistal, *in* C-00363
Vasogen, *in* D-00390
▷Vasoklin, *see* T-00227
Vasomotal, *in* M-00220
Vasopentol, *see* B-00376
▷Vasopressin, *in* V-00013
Vasopressins, V-00013
▷Vasorelax, *in* B-00042
▷Vasorome, *see* O-00086
Vasoselectan, *in* D-00361
▷Vasosterol, *see* M-00194
▷Vasotran, *in* I-00218
▷Vasoxine, *see* M-00194
▷Vasoxyl, *see* M-00194
Vasperdil, *see* N-00098
▷Vaspit, *in* F-00174
▷Vastarel, *in* T-00497
▷Vasylox, *see* M-00194
Vatensol, *in* G-00114
▷Vaxoid, *see* N-00169
▷Vazofirin, *see* O-00142
▷VC-13, *see* D-00176
▷VC 13, *see* D-00176
▷V-Cillin, *see* P-00171
▷Vebecillin, *see* P-00171
▷Vebelon, *in* T-00418
Vebonol, *in* H-00108
Vecortenol, *in* P-00412
▷Vectarion, *see* A-00139
Vectren, *see* I-00217
▷Vectren (obsol.), *see* C-00255
▷Vectrin, *in* M-00387
Vecuronium (1+), V-00014
▷Vecuronium bromide, *in* V-00014
Vedrenan, *in* B-00112
Vefilin, *see* V-00016
▷Vegetable pepsin, *see* P-00018
▷Vegex, *see* H-00001
▷Vegolysen, *in* H-00055
Vegolysen *T*, *in* H-00055
▷Vehem-Sanoloz, *see* T-00071
Veinamitol, *see* T-00559
▷Veinartan, *in* D-00332
▷Veinartan, *in* E-00137
▷Velacycline, *see* R-00078
▷Velamate, *in* V-00003
▷Velardon, *see* P-00018
Velastatin, *see* S-00075
▷Velban, *in* V-00032
▷Velbe, *in* V-00032
▷Veldopa, *in* A-00248
▷Velosef, *see* C-00180
▷Venacil, *see* A-00381
▷Venactone, *in* H-00186
▷Venagil, *see* B-00071
Venartan, *in* P-00582
▷Venarterin, *in* D-00332
▷Venarterin, *in* E-00137
▷Vendal, *see* N-00101
Ven-Detrex, *in* T-00476
Veneserpine, *in* R-00028
Venlafaxine, V-00015
▷Venoparil, *in* O-00036

▷Venort, *in* C-00548
Venoruten, *in* T-00559
Ventaire, *in* M-00217
▷Ventaire, *in* P-00540
▷Ventaval, *in* T-00245
▷Ventolin, *see* S-00012
▷Ventramine, *see* D-00254
▷Ventrazole, *see* T-00133
▷Ventussin, *see* B-00094
▷Vepesid, *see* E-00262
Vephilin, *see* V-00016
Vephylline, V-00016
▷VER-A, *see* V-00023
▷Veracillin, *in* D-00214
Veractil, *see* M-00193
▷Veracur, *see* F-00244
Veradoline, V-00017
Veradoline hydrochloride, *in* V-00017
▷Veralba, *in* P-00543
Veralipral, *see* V-00018
Veralipride, V-00018
▷Veramix, *in* H-00175
Verapamil hydrochloride, *in* V-00019
▷Verapamil, V-00019
▷Veratetrine, *in* P-00543
▷Veratran, *see* C-00508
▷Veratrate, *in* M-00033
Veratrylidenisoniazid, *see* V-00020
2′-Veratrylidineisonicotinohydrazide, *see* V-00020
Verazide, V-00020
Verazina, *see* V-00020
▷Verazinc, *see* Z-00018
▷Vercite, *see* B-00195
▷Vercyte, *see* B-00195
Verecol, *in* F-00040
Verecolene, *in* F-00040
Vergentan, *see* A-00122
Verilopam, V-00021
Verilopam hydrochloride, *in* V-00021
▷Veritain, *see* M-00222
▷Veritol, *see* M-00222
▷Vermella, *see* B-00306
▷Verminol, *see* T-00106
▷Verminun, *see* P-00032
▷Vermizym, *see* P-00018
▷Vermox, *see* M-00031
▷Vernamycin, *in* O-00068
Vernamycin *A*, *see* O-00068
Vernamycin B_γ, *see* P-00440
Vernitest, *in* E-00190
Verocainine, *see* T-00241
Verofylline, V-00022
▷Veronal, *see* D-00256
▷Verospiron, *see* S-00125
Veroxil, *in* P-00285
Verpyran, *in* H-00112
▷Verrucarin *A*, V-00023
▷Versacort, *in* C-00548
▷Versalba, *see* B-00167
Versapen, *see* H-00035
Versatrex, *see* H-00035
▷Versed, *in* M-00368
▷Versene 9, *in* E-00186
▷Versene acid, *see* E-00186
Versidril, *in* D-00346
▷Versidyne, *see* M-00328
▷Versotrane, *see* H-00094
▷Verstadol, *in* B-00417
▷Verstran, *see* P-00404
▷Versus, *see* B-00167
Verticine, V-00024
Verticine N-oxide, *in* V-00024
Verticinone, *in* V-00024
Verticinone N-oxide, *in* V-00024
▷Verton, *in* C-00208
▷Verucasep, *see* P-00090
▷Verutex, *in* F-00303
Verutil, *in* T-00559
Vesamicol, V-00025
Vesibilix, *see* I-00092
Vesifluyl, *see* F-00032
▷Vesipaque, *see* P-00160
Vesipyrin, *in* A-00026
▷Vesitan, *in* C-00451
Vesnarinone, V-00026
Vesoperone, *see* B-00265
Vesparax, *in* E-00246
▷Vespid, *see* E-00262
▷Vespral, *in* F-00176
▷Vesprin, *in* F-00176
Vessel, *see* S-00232
Vesulong, *see* S-00207
▷Vetalog, *in* T-00419
▷Vetamozine, *see* M-00190
▷Vetanabol, *see* M-00167
▷Vetibenzamine, *in* T-00524
▷Vetimast, *in* C-00170
Vetisulide, *see* S-00236
Vetivazulene, *see* I-00203
Vetrabutine, V-00027
Vetrazine, *see* C-00653
▷Vexyl, *in* C-00074
▷Viadril, *in* H-00201
Viaductor, *in* A-00088
Viaductor, *in* A-00088
Vialibran, *in* M-00055
▷Viasept, *see* G-00069
▷Vibazine, *in* B-00339
▷Vibeline, *see* V-00057
▷Vibramycin, *in* D-00080
▷Vibriomycin, *see* D-00303
Vibunazole, V-00028
▷Vicilan, *in* V-00029
Victan, *see* E-00197
▷Victoril, *see* D-00156
▷Vidarabine, *in* A-00435
▷Vidarabine phosphate, *in* A-00435
▷Vidarabine sodium phosphate, USAN, *in* A-00435
▷Videobil, *see* I-00132
▷Videocolangio, *see* I-00108
▷Videophal, *in* T-00142
Vidipon, *see* C-00462
Vigabatrin, *see* A-00260
Vigazoo, *see* S-00182
Vigilor, *in* F-00107
▷Vigorsan, *see* V-00062
Vikastab, *in* D-00333
▷Vikonon, *in* Y-00002
▷Vilan, *see* N-00101
▷Villescon, *see* P-00473
▷Viloksan, *in* V-00029
▷Vilona, *see* T-00426
Vilor, *in* F-00107
▷Viloxazine, V-00029
▷Viloxazine hydrochloride, *in* V-00029
▷Viminol, V-00030
▷Vinactane, *see* V-00050
▷Vinactin *A*, *see* V-00050
▷Vinamar, *see* E-00225
▷Vinbarbital, *see* V-00031
▷Vinbarbitone, V-00031
▷Vinblastine, V-00032
▷Vinblastine sulfate, *in* V-00032
Vinburnine, *in* E-00003
Vincadioline, *in* V-00032
Vincaine, *see* A-00087
▷Vincaine, *see* A-00172
▷Vincaleukoblastine, *see* V-00032
Vincaleukoblastine 3″-(β-chloroethyl)-3-spiro-5″-oxazolidine-2″,4″-dione, *see* V-00048
Vincamarine, *see* V-00033
Vincamine, V-00033

Vincamine teprosilate, *in* T-00170
Vincamone, *in* E-00003
Vincanol, V-00034
Vincanorine, *in* E-00003
Vincantenate, *see* V-00036
Vincantril, V-00035
Vinceine, *see* A-00087
Vincidol, *see* D-00431
Vincofos, *see* D-00205
Vinconate, V-00036
▷Vincosid, *see* V-00037
Vincovalinine, *in* L-00037
▷Vincristine, V-00037
▷Vincristine sulfate, *in* V-00037
▷Vincrisul, *see* V-00037
Vindeburnol, V-00038
▷Vindesine, *in* V-00032
Vindesine sulfate, *in* V-00032
Vinepidine, *in* V-00037
Vinepidine sulfate, *in* V-00037
▷Vinformide, V-00039
Vinformide sulfate, *in* V-00039
Vingard, *see* D-00205
▷Vinglycinate, *in* V-00032
Vinglycinate sulfate, *in* V-00032
Vinilestrenolone, *see* N-00215
▷Vinisil, *see* P-00393
▷Vinleurosine, *see* L-00037
Vinleurosine sulfate, *in* L-00037
Vinmegallate, V-00040
Vinorelbine, V-00041
▷Vinothiam, *in* T-00174
▷Vinpocetine, V-00042
Vinpoline, V-00043
▷Vinrosidine, *see* L-00036
▷Vinrosidine sulfate, *in* L-00036
Vintenate, *see* V-00036
Vinthiamol, *see* V-00044
Vintiamol, V-00044
Vintriptol, V-00045
▷α-Vinyl-1-aziridineethanol, *see* A-00527
Vinylbital, *see* V-00046
Vinylbitone, V-00046
▷Vinyldiacetonalkamine, *see* T-00511
17α-Vinyl-5(10)estren-17-ol-3-one, *see* N-00215
▷Vinyl ether, *see* D-00555
γ-Vinyl GABA, *see* A-00260
▷Vinylnortestosterone, *see* N-00225
Vinylsulfonic acid, V-00047
Vinzolidine, V-00048
Vinzolidine sulfate, *in* V-00048
Viobilina, *in* E-00193
▷Viocin, *see* V-00050
▷Viodor, *see* H-00192
▷Vioformo, *see* C-00244
▷Violacein, V-00049
▷Viomycin, V-00050
▷Vionactane, *see* V-00050
▷Viosterol, *see* C-00012
Viprostol, V-00051
Viprynium(1+), V-00052
▷Viprynium embonate, *in* V-00052
Viqualine, V-00053
Viquidil, *see* Q-00026
▷Vira-A, *in* A-00435
▷Viramid, *see* T-00426
▷Virastine, *see* E-00213
▷Viratek, *see* T-00426
▷Virazide, *see* T-00426
▷Virazole, *see* T-00426
Virex-cryst, *in* H-00111
Virginamycin S_2, *in* V-00054
▷Virginiamycin, *in* O-00068
Virginiamycin M_1, *see* O-00068
Virginiamycin S_1, V-00054
Virginiamycin, BAN, INN, USAN, *in* V-00054
Virginiamycin S_3, *in* V-00054
Viridicatin, *see* H-00196
Viridicatol, *in* H-00196
▷Viridofulvin, *in* D-00089
▷Viridogrisein, V-00055
Viridogrisein II, *in* V-00055
Vir-Merz, *in* T-00545
Virocidin, *see* A-00002
▷Viromidin, *see* D-00084
▷Viroptic, *see* D-00084
Virosecurinine, *in* S-00035
Viro Serol, *in* T-00545
▷Virosin, *see* A-00415
Viroximine, V-00056
Viroxolone, *in* C-00337
▷Virsal, *see* P-00090
Viru-Merz-Serol, *in* T-00545
Viruserol, *in* T-00545
▷Virustaz, *see* T-00426
VIS 707, *see* B-00336
Visacor, *see* E-00071
Visceralgin, *in* T-00257
▷Visclair, *in* C-00654
Viscotiol, *see* L-00028
▷Visderm, *see* A-00177
▷Visgan, *see* V-00057
▷Visken, *see* P-00270
▷Visnacorin, *see* V-00057
▷Visnadine, V-00057
▷Visnadine, *see* V-00057
Visnafylline, *in* M-00202
▷Visnagan, *see* V-00057
▷Visnamine, *see* V-00057
Vistagan, *in* B-00365
▷Vistamycin, *in* R-00040
Vistapine, *in* D-00518
▷Vistaril parenteral, *in* H-00222
▷Vistatolon, *see* S-00141
Vistimon, *see* M-00137
Vistora, *in* P-00516
Vistrax, *in* O-00159
Visumatic, *in* D-00061
Visumetilen, *in* T-00140
Visumistic, *in* D-00061
Vitabact, *see* P-00236
Vitaberin, *in* T-00174
▷Vitafurona, *see* B-00071
▷Vitamin *C*, *in* A-00456
Vitamin *E*, *see* T-00335
Vitamin *H*, *see* B-00173
▷Vitamin *M*, *see* P-00554
▷Vitamin A_1, V-00058
▷Vitamin B_1, *see* T-00174
▷Vitamin K_1, V-00064
▷Vitamin B_2, *see* R-00038
▷Vitamin D_2, *see* C-00012
Vitamin K_2, V-00065
▷Vitamin D_3, V-00062
▷Vitamin K_3, *see* M-00271
Vitamin D_4, V-00063
▷Vitamin K_4, *in* D-00333
▷Vitamin K_5, *see* A-00285
▷Vitamin B_{12}, V-00059
Vitamin $K_2(30)$, *in* V-00065
Vitamin $K_2(35)$, *in* V-00065
Vitamin $K_2(40)$, *in* V-00065
Vitamin $K_2(45)$, *in* V-00065
Vitamin $K_2(50)$, *in* V-00065
▷Vitamin A, *see* V-00058
Vitamin A_2, *in* V-00058
Vitamin B_{12a}, V-00060
▷Vitamin A acetate, *in* V-00058
▷Vitamin *E* acetate, *in* T-00335
Vitamin *A* acid, *see* R-00033
▷Vitamin A palmitate, *in* V-00058
Vitamin A propionate, *in* V-00058

▷Vitamin B_3, *see* P-00570
Vitamin B_5, *see* P-00016
▷Vitamin B_6, *see* P-00582
Vitamin B_{12b}, V-00061
▷Vitamin B_{13}, *see* O-00061
▷Vitamin B_2 phosphate, *in* R-00038
Vitamin B_T, *see* C-00084
Vitamin B_2 tetrabutyrate, *in* R-00038
▷Vitamin B_c, *see* P-00554
▷Vitamin G, *see* R-00038
▷Vitamin H′, *see* A-00216
Vitamin *K-S*(II), *see* D-00288
Vitamin D_2 monophosphate, *in* C-00012
Vitamin *E* nicotinate, *in* T-00335
Vitamin P_4, *in* T-00559
▷Vitamin B_1 pyrophosphoric ester, *see* T-00175
Vitamogen, *in* T-00176
▷Vitanervil, *see* B-00052
Vitaplex K, *in* M-00271
▷Vitapressina, *in* T-00337
Vitarel, *in* O-00125
Viternum, *in* C-00648
▷Vivactil, *in* P-00544
▷Vivalen, *in* V-00029
▷Vivant, *in* H-00088
▷Vivarint, *in* V-00029
Vixaton, *in* C-00525
VK 57, *see* G-00078
▷VLB, *see* V-00032
▷Vlenalite, *in* E-00091
▷VM 26, *see* T-00071
VMT 908, *in* T-00176
Vobaderm, *in* F-00207
▷Vogalen, *see* M-00332
▷Volamin, *see* E-00154
▷Volaton, *see* P-00221
Volazocine, V-00066
▷Volital, *see* A-00306
Volonomycin *A*, *see* P-00044
▷Voltarol, *in* D-00210
▷Voluntal, *in* T-00434
▷Vonedrine, *in* P-00203
▷Vontil, *in* T-00208
▷Vontrol, *see* D-00486
▷Vopop, *in* E-00091
Vopressal, *see* G-00101
▷Voranil, *in* C-00271
▷Vortel, *in* C-00502
Votracon, *in* A-00229
▷VP 16213, *see* E-00262
VUFB 4824, *see* B-00373
VUFB 5937, *in* P-00297
▷VUFB 6281, *see* C-00501
VUFB 8334, *see* O-00162
VUFB 9056, *see* S-00201
VUFB 9244, *see* R-00059
VUFB 9977, *in* O-00162
▷VUFB 11502, *see* C-00317
VUFB 12384, *in* P-00297
VUFB 12392, *see* C-00233
VUFB 13416, *in* P-00533
VUFB 13468, *in* D-00409
VUFB 13708, *in* P-00062
VUFB 13763, *in* P-00281
VUFB 14107, *see* C-00516
VUFB 15111, *in* M-00156
VUFB 15496, *in* C-00459
▷Vulcamycin, *see* N-00228
VULM 111, *see* E-00279
Vumide, *in* B-00314
▷Vumon, *see* T-00071
VX VC 43 NA, *in* P-00352
VZL, *see* V-00048
▷W 50, *in* M-00170
W 090, *see* E-00001
▷W 108, *see* C-00521
W 1015, *see* N-00158
▷W 1206, *see* F-00038
▷W 130, *see* C-00507
W 1372, *see* B-00125
W 1525, *see* T-00231
▷W 1597, *in* H-00158
W 1760*A*, *in* B-00179
▷W 1803, *see* P-00208
▷W 1889, *see* D-00231
W 2180, *in* S-00281
W2197, *in* P-00077
W 2354, *see* S-00032
▷W 2395, *see* M-00132
W 3282, *in* O-00169
W 3366*A*, *in* Q-00018
▷W 3395, *in* A-00114
W 3399, *see* Q-00025
▷W 3566, *in* E-00231
W 3580*B*, *in* D-00421
▷W 3623, *see* C-00645
▷W 3676, *see* S-00180
▷W 3699, *see* P-00310
W 3746, *see* C-00185
W 3976*B*, *in* D-00423
W 4454*A*, *in* E-00128
▷W 4540, *in* Q-00024
W 4600, *see* A-00113
W 4701, *see* H-00063
▷W 4744, *see* C-00272
▷W 4869, *in* P-00412
W5494*A*, *in* N-00049
▷W 554, *in* P-00200
W 5733, *see* A-00471
W6246, *see* T-00099
W 6309, *see* D-00273
W 6412*A*, *see* B-00365
W 6439*A*, *in* S-00235
▷W 6495, *see* O-00120
W 7000*A*, *in* B-00365
▷W 713, *see* T-00577
▷W 7320, *see* A-00103
▷W 7783, *see* A-00171
W 8495, *see* I-00217
W-1191-2, *see* A-00162
W 1548-1, *see* S-00230
W 19053, *in* E-00234
W 36095, *in* T-00332
W 41294*A*, *see* F-00068
W 42782, *see* I-00164
W 43026*A*, *in* C-00325
WA 185, *in* S-00129
W 2291A, *in* M-00380
W 2394A, *in* P-00057
W 2900A, *in* O-00169
W 2965 A, *see* A-00027
WA 335-*BS*, *see* D-00011
WA 363, *see* E-00022
W 847A, *see* M-00070
WAC 104, *see* B-00170
WAL 801*CL*, *in* A-00242
Wallichoside, *in* D-00274
▷Wampocap, *see* P-00571
Wanpeinine A, *in* V-00024
Warexin, *see* O-00148
▷Warfarin, W-00001
Warfarin deanol, *in* W-00001
▷Warfarin potassium, *in* W-00001
▷Warfarin sodium, *in* W-00001
WAS 4304, *see* T-00407
▷Waxsol, *in* B-00210
W 847B, *in* M-00070
▷WB 5040/2, *see* P-00013
▷WBA 7707, *see* M-00399
▷W 847C_1, *in* M-00070
▷W 847C_2, *in* M-00070
WD 53, *in* H-00111

▷We 352, *see* T-00460
We 941*BS*, *see* B-00329
We 973*BS*, *see* C-00334
WEB 2086, *see* A-00420
Wedeclox, *in* C-00515
Wellbatrin, *see* B-00371
Wellbutrin, *see* B-00371
▷Wellcare, *see* P-00128
▷Wellcome U3B, *see* T-00202
Wellconal, *see* D-00509
▷Welldorm, *in* T-00433
Wellferon, *in* I-00079
Westcort, *in* C-00548
▷Wexifan, *see* I-00068
WF 4629, *see* C-00313
WG 253, *in* R-00058
WG 537, *in* F-00154
▷Wh 3363, *see* P-00150
▷Whey factor, *see* O-00061
Whipcide, *see* P-00224
▷Whitsyn T, *in* M-00246
WHR 1051*B*, *in* B-00153
WHR 1330*A*, *see* D-00252
▷WHR 539, *see* F-00042
▷WHR 1142A, *in* L-00043
▷Willenol *V*, *see* C-00235
▷Willestrol, *in* D-00257
▷Willoderm, *in* B-00210
▷Wilpo, *in* P-00193
Wilprafen, *in* L-00033
WIN 1344, *see* G-00009
▷Win 1539, *see* K-00014
▷WIN 2747, *in* B-00096
▷Win 2848, *see* T-00165
Win 3046, *see* I-00185
Win 357, *see* B-00118
▷Win 3706, *see* A-00172
▷Win 4369, *in* P-00095
▷Win 5047, *see* C-00197
WIN 5063, *in* T-00179
Win 5494, *see* A-00341
▷Win 771, *see* H-00189
▷Win 8077, *in* A-00167
Win 9317, *in* E-00194
Win 10448, *in* Q-00029
▷Win 11318, *see* B-00368
▷Win 11464, *see* F-00145
Win 11530, *see* C-00620
Win 11831, *in* A-00088
Win 11831, *in* A-00088
▷Win 12267, *see* D-00178
▷Win 1258-2, *see* H-00120
Win 12901, *see* E-00180
Win 13146, *see* T-00048
Win 13820, *see* B-00021
Win 14098, *see* P-00260
Win 14833, *see* S-00139
▷Win 16568, *in* D-00070
▷Win 17625, *see* A-00511
Win 17665, *see* T-00384
▷Win 18413, *see* S-00096
▷Win 18501, *see* O-00157
Win 19356, *see* C-00243
▷Win 19538, *see* Z-00040
Win 20740, *see* C-00588
Win 21904, *see* A-00107
▷Win 22005, *see* U-00016
Win 23200, *see* V-00066
▷Win 24540, *see* T-00489
▷Win 24933, *see* H-00093
Win 25347, *see* N-00145
Win 25978, *see* A-00185
Win 27914, *see* N-00191
Win 29194, *see* C-00042
Win 31122, *in* I-00137
Win 31665, *see* A-00146
Win 32729, *see* E-00088
▷Win 32784, *in* B-00241
Win 34276, *see* K-00011
Win 34284, *see* O-00093
▷Win 3459-2, *see* P-00511
Win 34886, *in* N-00157
Win 35065, *see* T-00549
Win 35150, *see* F-00136
▷Win 35833, *see* C-00389
Win 38020, *see* A-00444
Win 38770, *see* A-00508
Win 39424, *see* I-00117
Win 40014, *see* Q-00023
▷Win 40680, *see* A-00372
Win 42202, *in* C-00254
WIN 44441, *see* Q-00001
Win 48049, *see* P-00575
Win 49016, *see* M-00272
Win 49375, *see* A-00195
Win 51711, *in* D-00538
Win 5563-3, *in* C-00537
▷Win 8851-2, *in* T-00581
WIN 18320-3, *in* N-00029
Win 27147-2, *see* D-00422
Win 29194-6, *in* C-00042
Win 40808-7, *in* S-00214
Win 41464-2, *in* O-00020
Win 41528-2, *in* F-00100
Win 42156-2, *in* T-00379
Win 42964-4, *in* Z-00008
Win 44441-3, *in* Q-00001
Win 47,203-2, *see* M-00378
Win 51181-2, *in* N-00040
▷Wincoram, *see* A-00372
Wingom, *see* G-00006
▷Win-Kinase, *see* U-00016
▷Winstan, *see* T-00489
Winstrol, *see* S-00139
▷Wintersteiner's compound *F*, *see* C-00549
▷Winthrosin, *in* M-00002
▷Wintomylon, *see* N-00029
Withaferin *A*, W-00002
▷Wl 287, *see* E-00276
▷Wl 291, *in* Z-00027
WM 1127, *see* C-00205
W-2964M, *in* F-00204
▷WM 842, *see* D-00369
Wofaverdin, *see* I-00062
Wometin, *in* S-00254
▷Worm-A-Rest, *see* F-00037
▷Worm guard, *see* P-00032
Wortmannin, W-00003
▷WP 40, *see* M-00146
WP 833, *see* T-00039
W 41261P, *in* T-00273
▷WR 141, *see* G-00085
▷WR 2721, *see* E-00155
▷WR 4629, *see* S-00198
WR 142490, *see* M-00068
▷WR 14997, *see* A-00230
▷WR 171669, *in* H-00007
▷WR 17206, *see* H-00041
WR 180409, *in* E-00064
▷WR 199830, *see* D-00031
WR 26041, *see* L-00009
WR 38839, *in* C-00442
▷WR 95704, *see* T-00535
WR 228,258, *see* T-00046
▷Wrightine, *see* C-00540
▷WS 3442*A*, *in* C-00177
WS 3442*E*, *in* C-00177
▷WS 4545, *see* B-00158
▷WSM 3978*G*, *in* P-00120
▷WSM 10166, *see* N-00119
▷Wu 3227, *in* P-00478
▷Wy 1143, *see* D-00412

▷Wy 1359, *in* P-00504
▷Wy 1395, *in* T-00499
Wy 2039, *see* E-00265
Wy 2445, *see* C-00095
▷Wy 3263, *see* I-00157
▷Wy 3277, *in* N-00012
▷Wy 3475, *see* N-00209
▷WY 3478, *in* H-00118
▷Wy 401, *see* E-00157
Wy 4082, *see* L-00097
▷Wy 4508, *see* C-00585
Wy 460*E*, *in* T-00182
Wy 535, *in* H-00048
Wy-682, *in* H-00050
▷Wy 806, *see* O-00106
Wy 8138, *in* B-00234
▷Wy 14643, *see* P-00332
Wy 15705, *see* C-00394
Wy 16225, *in* D-00116
Wy 18251, *see* T-00276
Wy 20788, *see* P-00058
▷Wy 21743, *see* D-00500
WY 21901, *see* I-00069
▷Wy 22811, *in* M-00107
Wy 23409, *in* C-00326
Wy 24081, *in* T-00320
Wy 24377, *in* T-00128
Wy 25021, *in* R-00075
Wy 26002, *in* P-00017
WY-40,972, *in* L-00117
Wy 42362, *see* R-00019
Wy 44635, *in* C-00143
Wy 45030, *in* V-00015
▷Wyamine, *in* P-00193
Wyanoids, *in* B-00030
▷Wyanoids, *in* B-00254
Wyanoids, *in* M-00221
▷Wyanoids, *in* Z-00017
▷Wydase, *see* H-00092
▷Wygesic, *in* P-00512
Wylaxine, *in* B-00234
X 40, *see* E-00280
X 60, *see* D-00071
▷X 1497, *in* M-00180
▷X 340, *see* R-00030
▷X 5108, *in* M-00413
▷X 537*A*, *see* L-00011
▷X 465A, *see* C-00189
X 14868A, *see* A-00411
▷Xametina, *in* T-00500
Xamoterol, X-00001
Xanoxate sodium, *in* I-00201
Xanoxic acid, *see* I-00201
▷Xanthine, X-00002
▷Xanthinol, X-00003
▷Xanthinol niacinate, *in* X-00003
▷Xanthinol niotinate, *in* X-00003
Xanthiol, X-00004
▷Xanthocillin, *see* X-00005
▷Xanthocillin *X*, X-00005
Xanthocillin X dimethyl ether, *in* X-00005
▷Xanthocillin Y_1, *in* X-00005
▷Xanthocillin Y_2, *in* X-00005
▷Xanthocycline, *see* G-00097
Xanthogenamide, *in* T-00196
▷Xanthomycin, *see* G-00097
Xanthophyll, *see* L-00115
Xanthopterin, X-00006
Xanthopterinsulfonic acid, *in* X-00006
▷Xanthotoxin, X-00007
▷Xantifibrate, INN, *in* C-00456
Xantifibrate, INN, *in* X-00003
▷Xantinol, *see* X-00003
▷Xantinol nicotinate, *in* X-00003
▷Xantocillin, *see* X-00005
Xantofyl palmitate, *in* L-00115
▷Xantoscabin, *see* D-00556
▷Xantyrid, *see* X-00005
Xarcin, *in* R-00097
X 14868B, *in* A-00411
X 14868C, *in* A-00411
X 14868D, *in* A-00411
XE 14-543, *see* E-00250
▷Xenagol, *in* P-00147
Xenalamine, *see* X-00008
Xenalipin, *see* T-00465
▷Xenamide, *see* H-00073
Xenazoic acid, X-00008
▷Xenbucin, *see* B-00179
Xenipentone, *see* B-00182
Xenovis, *see* X-00008
Xenovistar, *see* X-00008
Xenthiorate, X-00009
Xenygloxal, *see* B-00177
Xenyhexenic acid, *see* B-00180
Xenysalate, X-00010
Xenytropium(1+), X-00011
▷Xenytropium bromide, *in* X-00011
Xerenal, *in* D-00588
▷Xerene, *see* M-00095
Xibenolol, X-00012
Xibol, *see* X-00013
Xibor, *see* X-00013
Xibornol, X-00013
Xicane, *see* I-00217
Xidiphone, *see* H-00132
▷X-7-III, *see* L-00033
▷Xilobam, X-00014
Ximaol, *see* M-00258
Ximoprofen, X-00015
▷Xinidamine, X-00016
Xinomiline, *see* A-00243
Xipamide, X-00017
Xipranolol, X-00018
▷XK 33*FI*, *in* D-00103
XK 213, *see* E-00005
▷XK 62-2, *in* G-00018
▷XK 70-1, *see* F-00252
▷XK $41A_1$, *in* M-00070
▷XK $41A_2$, *in* M-00070
XK $41B_1$, *in* M-00070
XK 41C, *see* M-00070
Xorphanol, X-00019
▷Xorphanol mesylate, *in* X-00019
Xtro, *in* T-00554
▷Xylamide, *see* P-00468
▷Xylamide tosylate, *in* X-00020
Xylamidine, X-00020
Xylamidine, *see* X-00020
▷Xylamidine tosilate, *in* X-00020
▷Xylamidine tosylate, *in* X-00020
▷Xylanest, *in* P-00432
▷Xylazine, X-00021
▷Xylazine hydrochloride, *in* X-00021
2-(2,3-Xylidino)nicotinic acid, *in* A-00326
2-(2,6-Xylidino)nicotinic acid, *in* A-00326
▷Xylocaine, *see* L-00047
▷Xylocard, *in* L-00047
▷Xylocoumarol, X-00022
Xylomed, *in* X-00024
▷Xylometazoline, X-00023
Xylometazoline hydrochloride, *in* X-00023
▷Xylonest, *in* P-00432
Xylo-Pfan, *in* X-00024
Xylose, X-00024
(Xylosylamino)benzoic acid, X-00025
Xylotocan, *in* T-00332
p-Xylotocopherol, *see* T-00336
Xyloxemine, X-00026
▷*N*-2,3-Xylylanthranilic acid, *see* M-00062
▷5-(3,5-Xylyloxymethyl)oxazolidin-2-one, *see* M-00152
Y 3642, *in* T-00296

▷Y-4153, *in* C-00441
▷Y 5350, *see* C-00076
▷Y 6047, *see* C-00508
▷Y-6124, *in* B-00349
▷Y 7131, *see* E-00244
▷Y 8004, *see* P-00400
Y-8894, *in* T-00070
Y 9179, *in* N-00193
▷Y-9213, *see* M-00394
Y 9525, *see* T-00197
Y 12141, *in* T-00402
Y 12278, *see* B-00005
▷Yamacillin, *in* T-00005
Yamaful, *see* C-00082
Yamafur, *see* C-00082
Yamatetan, *in* C-00139
Yambolap, *in* H-00144
Yamogenin, *in* S-00129
▷Yarocen, *see* N-00156
▷Yatren, *see* H-00143
▷YA 56X, *see* Z-00038
▷YC 73, *see* F-00177
▷YL 704B_1, *see* P-00371
YL 704C_1, *see* M-00023
▷YL 704A_3, *see* L-00033
▷YM 038310*Ed*, *see* E-00155
YM 09330, *in* C-00139
YM 09538, *in* A-00360
▷YM 11170, *see* F-00013
▷YM 11256, *in* L-00043
YM 14673, *see* A-00518
▷YM 08054-1, *in* I-00055
▷Yobinol, *in* Y-00002
▷Yocon, *in* Y-00002
▷Yodurtam, *in* T-00144
Yohimbic acid, Y-00001
▷Yohimbine, Y-00002
δ-Yohimbine, *see* A-00087
▷Yohimbine hydrochloride, *in* Y-00002
▷Yohimex, *in* Y-00002
▷Yohimvetol, *see* Y-00002
▷Yohydrol, *in* Y-00002
Yonchlon, *in* C-00506
▷Yonit, *see* D-00369
▷Yosaxin, *see* L-00033
▷Yosimilon, *in* T-00497
YS 20*P*, *in* L-00033
YTR 830H, *see* T-00043
Yutac, *see* B-00192
▷Yutopar, *in* R-00067
Z 1170, *in* B-00332
▷Z203, *in* S-00167
▷Z 326, *in* F-00081
▷Z 424, *see* V-00030
▷Z 822, *in* D-00391
Z 839, *see* C-00385
Z 867, *in* P-00512
▷Z 876, *see* D-00487
▷Z 905, *see* P-00268
Z 12007, *in* R-00106
1745Z_3A, *see* O-00068
Zabicipril, Z-00001
Zachpar, *in* E-00157
Zacopride, Z-00002
Zacopride hydrochloride, *in* Z-00002
▷Zactane, *see* E-00157
Zactirin, *in* E-00157
▷Zadine, *in* A-00512
▷Zaditen, *in* K-00020
▷Zaditen (old form), *see* P-00257
Zafuleptine, Z-00003
Zaltidine, Z-00004
Zaltidine hydrochloride, *in* Z-00004
Zami 420, *see* T-00488
▷Zamix, *in* M-00246
Zanchol, *see* F-00121
▷Zanil, *see* O-00149
▷Zanilox, *see* O-00149
▷Zanosar, *see* S-00164
Zantac, *in* R-00011
▷Zanthotoxin, *see* X-00007
▷Zapizolam, Z-00005
Zaprinast, Z-00006
Zardaverine, Z-00007
▷Zarontin, *see* E-00207
▷Zaroxolyn, *see* M-00330
▷Zearalanol, *in* D-00035
β-Zearalenol, *in* D-00035
Zeflabetaine, *in* U-00009
Zeisin, *see* C-00462
Zelmid, *in* Z-00015
Zelmidine, *in* Z-00015
▷Zem-Eserine, *in* E-00122
Zenadrex, *in* D-00054
Zenazocine, Z-00008
Zenazocine mesylate, *in* Z-00008
▷Zendium, *in* S-00087
Zenmicone, *in* D-00511
▷Zental, *see* A-00096
Zepastine, Z-00009
▷Zepelin, *see* M-00235
▷Zeprox, *in* F-00057
▷Zeptabs, *see* D-00179
▷Zerano, *in* D-00035
▷Zeranol, *in* D-00035
Zetidoline, Z-00010
Zettyn, *see* B-00118
▷Zhengguangmycin B_2, *see* B-00246
▷Zhengguangmycin A_5, *see* B-00244
▷Zhengguangmycin A_2, *see* B-00243
Zidapamide, Z-00011
▷Zidometacin, Z-00012
Zidovudine, Z-00013
Zienam, *in* C-00342
Zilantel, Z-00014
▷Zildazac, *see* B-00167
▷Zimco, *in* D-00311
Zimeldine, Z-00015
Zimeldine hydrochloride, *in* Z-00015
Zimelidine, *see* Z-00015
ZIMET 98/69, *see* B-00216
Zimidoben, *see* I-00031
▷Zimotrombina, *see* T-00221
▷Zimovane, *see* Z-00037
▷Zincate, *see* Z-00018
▷Zinc chloride, Z-00016
▷Zincfrin, *in* Z-00018
▷Zincomed, *see* Z-00018
▷Zinc oxide, Z-00017
▷Zinc sulfate, Z-00018
▷Zinctrace, *see* Z-00016
Zinc undecylenate, *in* U-00008
Zindotrine, Z-00019
Zindoxifene, Z-00020
▷Zineol, *see* C-00360
Zinoconazole, Z-00021
Zinoconazole hydrochloride, *in* Z-00021
▷Zinostatin, *see* N-00067
Zinterol, Z-00022
Zinterol hydrochloride, *in* Z-00022
Zinviroxime, *in* V-00056
Zipeprol, Z-00023
Zipex, *see* X-00017
Zipix, *see* X-00017
▷Ziradryl, *in* Z-00017
▷Zitostop, *in* M-00018
▷Zixoryn, *see* F-00153
ZK 2, *see* I-00115
▷ZK 15, *see* I-00129
ZK 10720, *see* I-00130
ZK 28200, *see* G-00040
ZK 31224, *see* T-00090

ZK 34798, *see* N-00140
ZK 35760, *see* I-00131
ZK 35973, *see* S-00127
ZK 36374, *see* I-00023
ZK 36375, *in* I-00023
ZK 36699, *see* I-00136
ZK 38005, *see* I-00096
ZK 39437, *in* P-00533
ZK 39 482, *see* I-00144
▷ZK 57671, *see* S-00261
▷ZK 62498, *see* N-00203
ZK 62711, *see* R-00077
ZK 65997, *see* L-00097
ZK 71677, *in* E-00239
ZK 76604, *see* P-00315
ZK 77992, *see* E-00135
ZK 79 112, *see* I-00139
ZK 90999, *see* A-00178
ZK 91588, *in* M-00297
ZK 94679, *see* M-00135
ZK 94726, *see* N-00195
ZK 95377, *see* F-00170
ZK 95451, *see* B-00288
ZK 95639, *see* M-00223
ZK 96480, *see* C-00323
ZK 97959, *see* E-00096
ZK 98299, *see* O-00047
ZK 98734, *see* L-00049
▷Zoalene, *in* M-00246
▷Zoamix, *in* M-00246
Zocainone, Z-00024
Zofenopril, Z-00025
Zofenopril calcium, *in* Z-00025
Zoficonazole, Z-00026
Zoladex, *see* G-00081
Zolamine, Z-00027
▷Zolamine hydrochloride, *in* Z-00027
Zolazepam, Z-00028
Zolazepam hydrochloride, *in* Z-00028
Zolenzepine, Z-00029
Zolertine, Z-00030
Zolertine hydrochloride, *in* Z-00030
▷Zolimidine, Z-00031
Zoliprofen, *see* T-00186
▷Zoliridine, *see* Z-00031
Zoloperone, Z-00032
Zolpidem, Z-00033
Zolpidem tartrate, *in* Z-00033
Zomax, *in* Z-00035
Zomaxin, *in* Z-00035
Zomebazam, Z-00034
Zomepirac, Z-00035
Zomepirac glycolate, *in* Z-00035
Zomepirac sodium, *in* Z-00035
Zometapine, Z-00036
▷Zonifur, *see* N-00139
Zonisamide, *in* B-00087
▷Zoolobelin, *in* L-00064
▷Zopiclone, Z-00037
Zopirac, *in* Z-00035
▷Zorbamycin, Z-00038
▷Zorbanomycin, *see* Z-00038
▷Zorbonomycin, *see* Z-00038
▷Zorubicin, *in* D-00019
▷Zorubicin hydrochloride, *in* D-00019
Zotepine, Z-00039
▷Zothelone, *in* Q-00037
▷Zovirax, *see* A-00060
▷Zoxamine, *see* A-00225
▷Zoxazolamine, *see* A-00225
▷Zoxine, *see* A-00225
Zoxiprofen, *see* T-00186
▷ZR 515, *in* M-00189
▷Zubirol, *see* A-00103
▷Zuclomifene, *in* C-00471
▷Zuclomiphene, *in* C-00471
Zuclopenthixol, *in* C-00481
▷Zumaril, *see* A-00103
Zy 15029, *in* P-00081
Zy 15051, *see* B-00039
▷Zygomycin A_1, *see* P-00039
▷Zygomycin A_2, *in* P-00039
▷Zygosporin *A*, *see* C-00660
▷Zylofuramine, Z-00040
Zypanar, *see* P-00010

Molecular Formula Index

The Molecular Formula Index lists the molecular formulae of all drugs in the Dictionary whether they occur as main Entry compounds or as derivatives.

Where a molecular formula applies to a derivative the Dictionary Number is prefixed by the word '*in*'.

The Symbol ▷ preceding an index term indicates that the Dictionary Entry contains information on toxic or hazardous properties of the compound.

Molecular Formula Index

$AgNO_3$
▷Silver nitrate, S-00068

AlH_3O_3
Algeldrate, A-00113

$Al_2MgO_8Si_2$
Almasilate, A-00136

$Al_2Mg_2O_{11}Si_3$
Simaldrate, S-00072

$Al_7H_{17}O_{25}S_2$
Alusulf, A-00160

$Al_{10}H_{26}Mg_5O_{39}S_2$
Almagodrate, A-00135

$AsHNa_2O_4$
▷Sodium arsenate, S-00083

$AuNa_3O_6S_4$
▷Sodium aurotiosulfate, S-00084

BH_3O_3
▷Boric acid, B-00254

BaO_4S
▷Barium sulfate, B-00014

$CCaN_2$
▷Calcium carbimide, *in* C-00579

$CCaO_3$
Calcium carbonate, C-00014

CCl_4
▷Carbon tetrachloride, C-00059

$CHCl_3$
▷Chloroform, C-00241

CHI_3
▷Triiodomethane, T-00486

CH_2AlNaO_5
Dihydroxyaluminum sodium carbonate, D-00307

CH_2AlO_6
Dihydroxyaluminum carbonate, D-00306

CH_2BrIO_2S
Iodomethanesulfonic acid; Bromide, *in* I-00106

$CH_2I_2O_3S$
Diiodomethanesulfonic acid, D-00359

CH_2N_2
▷Cyanamide, C-00579

CH_2O
▷Formaldehyde, F-00244

$CH_3AsNa_2O_3$
▷Arrhenal, *in* M-00226

CH_3IO_3S
Iodomethanesulfonic acid, I-00106

CH_3NO
Formaldoxime, *in* F-00244

CH_3NOS
Thiocarbamic acid, T-00196

$CH_3N_3O_3$
▷Nitrourea, N-00188

CH_3O_5P
Phosphonoformic acid, P-00216

CH_4AsNaO_3
▷Monosodium methylarsonate, *in* M-00226

$CH_4Cl_2O_6P_2$
Dichloromethylenebisphosphonic acid, D-00194

CH_4N_2O
▷Urea, U-00011

$CH_4N_2O_2$
▷Hydroxyurea, H-00220

CH_5AsO_3
▷Methylarsonic acid, M-00226

$CH_6O_6P_2$
Methanediphosphonic acid, M-00168

$CH_6O_7P_2$
Hydroxymethanediphosphonic acid, H-00146

$CH_{16}Al_2Mg_6O_{19}$
Hydrotalcite, H-00103

CLi_2O_3
▷Lithium carbonate, L-00058

$CMgO_3$
▷Magnesium carbonate, M-00006

CO_2
▷Carbon dioxide, C-00057

CS_2
▷Carbon disulfide, C-00058

CH_2O
▷Paraformaldehyde, *in* F-00244

$C_2Cl_2F_4$
▷1,2-Dichloro-1,1,2,2-tetrafluoroethane, D-00202

C_2Cl_4
▷Tetrachloroethylene, T-00106

C_2Cl_6
▷Hexachloroethane, H-00040

$C_2HBrClF_3$
▷2-Bromo-2-chloro-1,1,1-trifluoroethane, B-00294

C_2HBrF_4
2-Bromo-1,1,1,2-tetrafluoroethane, B-00319

C_2HCl_3
▷Trichloroethylene, T-00436

$C_2H_2Cl_5O_2P$
2,2,2-Trichloroethyl phosphorodichloridate, *in* T-00450

$C_2H_2F_4$
1,1,1,2-Tetrafluoroethane, T-00113

$C_2H_3Br_3O$
▷2,2,2-Tribromoethanol, T-00428

C_2H_3ClO
▷Acetyl chloride, *in* A-00021

$C_2H_3Cl_3O$
▷2,2,2-Trichloroethanol, T-00434

$C_2H_3Cl_3O_2$
▷2,2,2-Trichloro-1,1-ethanediol, T-00433

C_2H_4ClNO
▷Chloroacetamide, C-00212
Methylcarbamic chloride, *in* M-00238

$C_2H_4Cl_2N_6$
N,N″-Dichlorodiazenedicarboximidamide, D-00181

$C_2H_4Cl_3O_4P$
▷Triclofos, T-00450

$(C_2H_4O)_nC_{16}H_{24}O$
Menfegol, M-00089

$C_2H_4O_2$
▷Acetic acid, A-00021

$(C_2H_4O_3S)_n$
Lyapolic acid, *in* V-00047
Vinylsulfonic acid, V-00047

C_2H_5Cl
▷Chloroethane, C-00236

C_2H_5NOS
Thiocarbamic acid; *S*-Me ester, *in* T-00196
Thiocarbamic acid; *O*-Me ester, *in* T-00196

$C_2H_5NO_2$
▷*N*-Hydroxyacetamide, H-00106
Methylcarbamic acid, M-00238

$C_2H_5N_5$
▷3,5-Diamino-1*H*-1,2,4-triazole, D-00137

$C_2H_5O_5P$
Methyl (dihydroxyphosphinyl)formate, *in* P-00216
Phosphonoacetic acid, P-00215

$C_2H_6AlNO_4$
(Glycinato-*N*,*O*)dihydroxyaluminum, G-00067

$C_2H_6N_2O$
▷Acethydrazide, *in* A-00021

$C_2H_6N_2O_2$
Methoxyurea, *in* H-00220

$C_2H_6N_2O_3$
2-Aminoethanol nitrate, A-00254

C_2H_6O
▷Ethanol, E-00149

C_2H_6OS
▷Dimethyl sulfoxide, D-00454

$C_2H_6O_3S_2$
2-Mercaptoethanesulfonic acid, M-00116

$C_2H_7AsO_2$
▷Dimethylarsinic acid, D-00424

C_2H_7NO
▷2-Aminoethanol, A-00253

$C_2H_7NO_2S_2$
2-Mercaptoethanesulfonic acid; Amide, *in* M-00116

$C_2H_7NO_3S$
▷Taurine, T-00030

C_2H_7NS
▷2-Aminoethanethiol, A-00252

$C_2H_8N_2O_2S$
Taurine; Amide; B,HCl, *in* T-00030

$C_2H_8O_7P_2$
(1-Hydroxyethylidene)bisphosphonic acid, H-00132

$C_2H_{14}Al_2Mg_6O_{20}$
Almagate, A-00134

C_2I_4
▷Tetraiodoethylene, T-00141

$C_3Cl_3N_3O_3$
▷1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, T-00442

$C_3HCl_2N_3O_3$
▷1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, D-00203

$C_3H_2Br_3Cl$
2,2,2-Tribromoethyl chloroformate, *in* T-00428

$C_3H_2ClF_5O$
▷2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, C-00230
▷2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane, C-00231

$C_3H_2Cl_2F_2O_2$
4,5-Dichloro-2,2-difluoro-1,3-dioxolane, D-00182

$C_3H_3BrF_4$
▷3-Bromo-1,1,2,2-tetrafluoropropane, B-00320

$C_3H_3N_3O_2$
▷2-Nitro-1*H*-imidazole, N-00179
▷1,2,4-Triazine-3,5(2*H*,4*H*)-dione, T-00422

$C_3H_3N_3O_2S$
▷2-Amino-5-nitrothiazole, A-00294

$C_3H_3N_3O_3$
▷1,3,5-Triazine-2,4,6-triol, T-00423

$C_3H_4BrF_3O$
2-Bromo-1,1,2-trifluoro-1-methoxyethane, B-00321

$C_3H_4Br_3NO_2$
2,2,2-Tribromoethanol; Urethane, *in* T-00428

$C_3H_4ClNO_2$
Chloroacetamide; Formyl, *in* C-00212

$C_3H_4Cl_2F_2O$
▷2,2-Dichloro-1,1-difluoro-1-methoxyethane, D-00183

$C_3H_4Cl_2F_2S$
2,2-Dichloro-1,1-difluoro-1-(methylthio)ethane, D-00184

$C_3H_4Cl_2O$
▷3-Chloropropanoic acid; Chloride, *in* C-00279

$C_3H_4Cl_3NO_2$
▷Trichloroethanol carbamate, *in* T-00434

$C_3H_4Cl_3NO_3$
(2,2,2-Trichloro-1-hydroxyethyl)carbamic acid, T-00438

$C_3H_4N_2S$
▷2-Aminothiazole, A-00336

$C_3H_4O_2$
▷2-Oxetanone, O-00105
▷Pyruvaldehyde, P-00600

$C_3H_5ClN_2O_6$
Clonitrate, *in* C-00278

$C_3H_5ClO_2$
▷3-Chloropropanoic acid, C-00279

$C_3H_5Cl_2NO_2$
N,*N*-Dichlorourethane, *in* E-00177

$C_3H_5DFNO_2$
Fludalanine, *in* A-00258

C_3H_5NO
▷Lactonitrile, *in* H-00207

$C_3H_5NO_2$
▷Isonitrosoacetone, *in* P-00600

$C_3H_5NS_2$
▷2-Mercaptothiazoline, M-00121

$C_3H_5N_3O$
▷Cyanoacetohydrazide, C-00580

$C_3H_5N_3O_9$
▷Glycerol trinitrate, G-00066

$C_3H_5N_5$
2,4-Diamino-1,3,5-triazine, D-00136

C_3H_6
▷Cyclopropane, C-00635

$C_3H_6BrNO_4$
▷2-Bromo-2-nitro-1,3-propanediol, B-00310

C_3H_6ClNO
3-Chloropropanoic acid; Amide, *in* C-00279

$C_3H_6FNO_2$
2-Amino-2-fluoropropanoic acid, A-00258

$C_3H_6N_2O_2$
N-Aminocarbonylacetamide, *in* U-00011
4-Amino-3-isoxazolidinone, A-00277
Methylglyoxime, *in* P-00600

$C_3H_6N_2O_3$
▷Ethyl *N*-nitrosocarbamate, *in* E-00177

$C_3H_6N_2S_2$
Tetrahydro-2*H*-1,3,5-thiadiazine-2-thione, T-00135
$C_3H_6O_3$
▷2-Hydroxypropanoic acid, H-00207
$C_3H_6O_3S$
Vinylsulfonic acid; Me ester, *in* V-00047
$C_3H_7ClO_2$
▷3-Chloro-1,2-propanediol, C-00278
C_3H_7NOS
O-Ethyl carbamothioate, *in* T-00196
S-Ethyl carbamothioate, *in* T-00196
$C_3H_7NO_2$
▷Ethyl carbamate, E-00177
$C_3H_7NO_2S$
3-Amino-2-mercaptopropanoic acid, A-00278
Cysteine, C-00654
$C_3H_7N_3O_2$
Guanidinoacetic acid, G-00109
$C_3H_7N_3O_4$
Alanosine, A-00093
$C_3H_7N_5$
3,5-Diamino-1*H*-1,2,4-triazole; 1-Me, picrate, *in* D-00137
$C_3H_7O_4P$
(3-Methyloxiranyl)phosphonic acid, M-00276
$C_3H_7O_5P$
Ethyl (dihydroxyphosphinyl)formate, *in* P-00216
Methyl dihydroxyphosphinylacetate, *in* P-00215
$C_3H_8HgO_2$
Merisoprol, M-00126
$C_3H_8NO_6P$
Phosphoserine, P-00220
$C_3H_8N_2OS$
▷*N*-Hydroxymethyl-*N'*-methylthiourea, H-00165
$C_3H_8N_2O_2$
Ethoxyurea, *in* H-00220
▷*N*-Ethyl-*N'*-hydroxyurea, E-00196
$C_3H_8N_2O_2S$
Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide, T-00134
$C_3H_8N_2O_4S$
N-Carbamyltaurine, *in* T-00030
C_3H_8O
▷2-Propanol, P-00491
$C_3H_8OS_2$
▷2,3-Dimercapto-1-propanol, D-00385
$C_3H_8O_3$
▷Glycerol, G-00064
$C_3H_9AsO_2$
Dimethoxymethylarsine oxide, *in* M-00226
C_3H_9NO
▷1-Amino-2-propanol, A-00318
▷3-Amino-1-propanol, A-00319
▷2-(Methylamino)ethanol, *in* A-00253
$C_3H_9NO_2$
▷3-Amino-1,2-propanediol, A-00317
$C_3H_9NO_3S$
Taurine; *N*-Me, *in* T-00030
$C_3H_9N_3O_3S$
Guanidotaurine, G-00112
$C_3H_{10}N_2O$
▷1,3-Diamino-2-propanol, D-00135
$C_3H_{11}NO_7P_2$
Pamidronic acid, P-00009
$C_4H_2Cl_2N_2O_2$
2,3-Dichloro-4-nitro-1*H*-pyrrole, D-00197
$C_4H_2Cl_2O_2$
▷Fumaroyl chloride, *in* F-00274
$C_4H_2FeO_4$
▷Ferrous fumarate, *in* F-00274
$C_4H_2N_2$
▷Fumaronitrile, *in* F-00274
$C_4H_2N_2O_4$
▷Alloxan, A-00128
$C_4H_2N_4O_2$
▷5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione, D-00151
$C_4H_3ClF_4O$
1-Chloro-1,2,2,3-tetrafluoro-3-methoxycyclopropane, C-00287
$C_4H_3ClN_2O_3$
5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione, C-00283
$C_4H_3FN_2O_2$
▷5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione, F-00190
$C_4H_3F_7O$
1,1,1,3,3,3-Hexafluoro-2-(fluoromethoxy)propane, H-00047
$C_4H_3IN_2OS$
▷2,3-Dihydro-5-iodo-2-thioxo-4(1*H*)-pyrimidinone, D-00287
$C_4H_3N_3O_3S$
N-(5-Nitro-2-thiazolyl)formamide, *in* A-00294
$C_4H_4FN_3O$
▷5-Fluorocytosine, F-00183
$C_4H_4F_6O$
▷Bis(2,2,2-trifluoroethyl) ether, B-00239
$C_4H_4N_2O_2$
1*H*-Pyrazole-1-carboxylic acid, P-00563
Tartaric acid; Dinitrile, *in* T-00028
$C_4H_4N_2O_2S$
▷Thiobarbituric acid, T-00192
$C_4H_4N_2O_3$
▷2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione, P-00586
$C_4H_4N_4$
5-Amino-4-cyanoimidazole, *in* A-00275
$C_4H_4N_4O_4$
Alloxan; 5,6-Dioxime, *in* A-00128
$C_4H_4N_6$
7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine, A-00338
5-(1*H*-Imidaz-2-yl)-1*H*-tetrazole, I-00033
$C_4H_4N_6O$
▷5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-one, A-00247
$C_4H_4O_4$
▷Fumaric acid, F-00274
$C_4H_5F_3O$
▷(2,2,2-Trifluoroethoxy)ethene, T-00464
$C_4H_5NO_3$
4-Amino-4-oxo-2-butenoic acid, *in* F-00274
$C_4H_5NO_4S$
6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, M-00275
$C_4H_5N_3O$
4-Amino-1,3-diazabicyclo[3.1.0]hex-3-en-2-one, A-00237
1*H*-Pyrazole-1-carboxamide, *in* P-00563
$C_4H_5N_3O_2$
5-Amino-1*H*-imidazole-4-carboxylic acid, A-00275
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 2-Me, *in* T-00422
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 4-Me, *in* T-00422
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 3-Me ether, *in* T-00422
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 5-Me ether, *in* T-00422
$C_4H_5N_3O_2S$
2-Amino-5-nitrothiazole; *N*-Me, *in* A-00294
$C_4H_5N_3S$
1*H*-Pyrazole-1-carbothioamide, P-00561

$C_4H_6ClNO_2$
Chloroacetamide; Ac, *in* C-00212

$C_4H_6CuO_4$
▷Cupric acetate, C-00575

$C_4H_6FNO_4$
2-Amino-3-fluorobutanedioic acid, A-00257

$C_4H_6N_2O_2$
▷5-(Aminomethyl)-3(2*H*)-isoxazolone, A-00283
Fumaric acid; Diamide, *in* F-00274

$C_4H_6N_2S$
2-Aminothiazole; *N*-Me, *in* A-00336
▷1,3-Dihydro-1-methyl-2*H*-imidazole-2-thione, D-00289

$C_4H_6N_4$
1*H*-Pyrazole-1-carboximidamide, P-00562

$C_4H_6N_4O_2$
▷5-Amino-1*H*-imidazole-4-carboxylic acid; Amide, *in* A-00275

$C_4H_6N_4O_3$
Allantoin, A-00123

$C_4H_6N_4O_3S_2$
▷Acetazolamide, A-00018

$C_4H_6N_4O_{12}$
Erythrityl tetranitrate, *in* E-00114

C_4H_6O
▷Divinyl ether, D-00555

$C_4H_6O_4S$
▷Mercaptobutanedioic acid, M-00115

$C_4H_6O_4S_2$
▷2,3-Dimercaptobutanedioic acid, D-00384

$C_4H_6O_6$
Tartaric acid, T-00028

$C_4H_7AlN_4O_5$
Aldioxa, *in* A-00123

C_4H_7BrO
▷Sodium butallylonal, *in* B-00290

$C_4H_7ClO_2$
▷3-Chloropropanoic acid; Me ester, *in* C-00279

$C_4H_7Cl_2O_4P$
▷Dichlorvos, D-00207

$C_4H_7Cl_3N_2O_2$
Mecloralurea, M-00048

$C_4H_7Cl_3O$
▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440

$C_4H_7FN_2O_3$
β-Fluoroasparagine, *in* A-00257

C_4H_7NO
3-Cyano-1-propanol, *in* H-00118

$C_4H_7NO_2S$
▷4-Thiazolidinecarboxylic acid, T-00183
Thiocarbamic acid; *S*-Me ester, *N*-Ac, *in* T-00196
Thiocarbamic acid; *O*-Me ester, *N*-Ac, *in* T-00196

$C_4H_7NO_3S$
Mercaptobutanedioic acid; 4-Monoamide, *in* M-00115

$C_4H_7N_3O_3$
Quisqualamine, Q-00038

$C_4H_7N_5O$
3,5-Diamino-1*H*-1,2,4-triazole; 3-*N*-Ac, *in* D-00137

$C_4H_8Br_2O$
1,2-Dibromo-1-ethoxyethane, *in* E-00225

C_4H_8ClNO
Chloroacetamide; *N*-Et, *in* C-00212
Chloroacetamide; *N*-Di-Me, *in* C-00212

$C_4H_8Cl_2O_4S_4$
2,2′-Dithiobisethanesulfonic acid; Dichloride, *in* D-00550

$C_4H_8Cl_3O_4P$
▷Trichlorphon, T-00443

$C_4H_8CuN_2O_2S_2$
▷Fluopsin *C*, F-00177

$[C_4H_8N_2O_3]_x$
▷Polynoxylin, P-00385

$C_4H_8N_2O_4$
Tartaric acid; Diamide, *in* T-00028

$C_4H_8N_2S$
▷2-Propenylthiourea, P-00496

$C_4H_8N_3O_4P$
Fosfocreatinine, F-00255

$C_4H_8N_4O_2$
▷Piperazine; 1,4-Dinitroso, *in* P-00285

$C_4H_8N_4O_4$
▷Piperazine; 1,4-Dinitro, *in* P-00285

$C_4H_8Na_2O_6S_4$
Dimesna, *in* D-00550

C_4H_8O
▷Ethyl vinyl ether, E-00225

$C_4H_8O_3$
4-Hydroxybutanoic acid, H-00118
2-Hydroxypropanoic acid; Me ester, *in* H-00207
2-Hydroxypropanoic acid; Me ester, *in* H-00207
Threitol; Dibenzylidene, *in* T-00219

C_4H_9NO
▷*N*-Ethylacetamide, E-00173

$C_4H_9NO_2$
▷4-Aminobutanoic acid, A-00221
▷*N*-(2-Hydroxyethyl)acetamide, *in* A-00253

$C_4H_9NO_2S$
Cysteine; *S*-Me, *in* C-00654
Cysteine; Me ester; B,HCl, *in* C-00654
Methyl cysteine, *in* C-00654

$C_4H_9NO_3S$
Cysteine; *S*-Me, *S*-oxide, *in* C-00654

$C_4H_9NO_5$
▷2-(Hydroxymethyl)-2-nitro-1,3-propanediol, H-00168

$C_4H_9N_3O_2$
Guanidinoacetic acid; *N*-Me, *in* G-00109

$C_4H_9N_3O_3$
Albizziine, A-00098

$C_4H_9N_5$
3,5-Diamino-1*H*-1,2,4-triazole; 3(5)-*N*,*N*-Di-Me, *in* D-00137

$C_4H_9O_5P$
Ethyl dihydroxyphosphinylacetate, *in* P-00215

$C_4H_{10}NO_5P$
Fosmidomycin, F-00257

$C_4H_{10}N_2$
▷Piperazine, P-00285

$C_4H_{10}N_2O_2S$
Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide; N^4-Me, *in* T-00134

$C_4H_{10}O$
▷Diethyl ether, D-00246
▷1-Methoxypropane, M-00214

$C_4H_{10}OS_2$
3-Methoxy-1,2-propanedithiol, *in* D-00385

$C_4H_{10}O_2S$
▷2,2′-Thiobisethanol, T-00195

$C_4H_{10}O_3$
2-Methoxy-1,3-propanediol, *in* G-00064
3-Methoxy-1,2-propanediol, *in* G-00064

$C_4H_{10}O_4$
▷Erythritol, E-00114
Threitol, T-00219

$C_4H_{10}O_6S_4$
2,2′-Dithiobisethanesulfonic acid, D-00550

$C_4H_{11}NO$
▷2-Amino-2-methyl-1-propanol, A-00289
▷2-Dimethylaminoethanol, D-00408
▷2-Ethylaminoethanol, *in* A-00253

$C_4H_{11}NO_2$
3-Methylamino-1,2-propanediol, *in* A-00317

$C_4H_{11}NO_3$
▷2-Amino-2-hydroxymethyl-1,3-propanediol, A-00268

$C_4H_{11}NO_3S$
Taurine; *N*,*N*-Di-Me, *in* T-00030

$C_4H_{11}NS$
▷2-(Dimethylamino)ethanethiol, *in* A-00252

$C_4H_{11}N_5$
▷*N*,*N*-Dimethylimidodicarbonimidic diamide, D-00432

$C_4H_{12}BrN$
▷Tetramethylammonium(1+); Bromide, *in* T-00144

$C_4H_{12}Br_3N$
Tetramethylammonium(1+); Tribromide, *in* T-00144

$C_4H_{12}IN$
▷Tetrammonium iodide, *in* T-00144

$C_4H_{12}N^{\oplus}$
Tetramethylammonium(1+), T-00144

$C_4H_{12}NO^{\oplus}$
Hydroxymethyltrimethylammonium(1+), H-00177

$C_4H_{12}NO_4P$
Demanyl phosphate, D-00059

$C_4H_{12}N_2O_4S_4$
2,2′-Dithiobisethanesulfonic acid; Diamide, *in* D-00550

$C_4H_{12}N_2S_2$
▷Bis(2-aminoethyl) disulfide, B-00188

$C_4H_{12}N_3O_4P$
▷Creatinolfosfate, C-00559

$C_4H_{13}NO$
▷Tetramethylammonium(1+); Hydroxide, *in* T-00144

$C_4H_{13}NO_2$
Hydroxymethyltrimethylammonium(1+); Hydroxide, *in* H-00177

$C_4H_{13}N_3$
▷Diethylenetriamine, D-00245

$C_4H_{14}KNO_4S$
Acesulfame-K, *in* M-00275

$C_4H_{16}BN$
Tetramethylammonium(1+); Borohydride, *in* T-00144

$C_5FeN_6Na_2O$
▷Sodium nitroferricyanide, *in* P-00083

$C_5FeN_6O^{\ominus\ominus}$
Pentakis(cyano-*C*)nitrosylferrate(2−), P-00083

$C_5H_3Cl_2N$
▷3,5-Dichloropyridine, D-00201

$C_5H_3I_2NO$
▷3,5-Diiodo-4(1*H*)-pyridinone, D-00362

$C_5H_3NO_4$
▷5-Nitro-2-furancarboxaldehyde, N-00177

$C_5H_3N_3$
Pyrazinecarbonitrile, *in* P-00560

$C_5H_3N_3O$
Pyrazinecarboxylic acid; Nitrile, 1-oxide, *in* P-00560

C_5H_4ClNO
▷Choline chloride, *in* C-00308
α-Pyrroyl chloride, *in* P-00596

$C_5H_4Cl_6O_3$
▷2,2,2-Trichloroethanol carbonate, T-00435

$C_5H_4N_2O_2$
Pyrazinecarboxylic acid, P-00560

$C_5H_4N_2O_3$
Pyrazinecarboxylic acid; 1-Oxide, *in* P-00560

$C_5H_4N_2O_4$
5-Nitro-2-furancarboxaldehyde; (*E*)-Oxime, *in* N-00177
▷Orotic acid, O-00061

$C_5H_4N_4O$
▷1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-00300
1*H*-Pyrrole-2-carboxylic acid; Azide, *in* P-00596

$C_5H_4N_4O_2$
5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione; 3-Me, *in* D-00151
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, P-00564
▷Xanthine, X-00002

$C_5H_4N_4S$
▷1,7-Dihydro-6*H*-purine-6-thione, D-00299
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, P-00565

$C_5H_5ClN_2O_3$
5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione; 1-*N*-Me, *in* C-00283

$C_5H_5ClO_3$
Fumaric acid; Mono-Me ester monochloride, *in* F-00274

C_5H_5NO
3-Hydroxypyridine, H-00209

C_5H_5NOS
2-Pyridinethiol *N*-oxide, *in* P-00574
▷2(1*H*)-Pyridinethione; 1-Hydroxy, *in* P-00574

$C_5H_5NO_2$
1*H*-Pyrrole-2-carboxylic acid, P-00596

$C_5H_5NO_2S$
4-Amino-3-thiophenecarboxylic acid, A-00337
2-Methyl-5-thiazolecarboxylic acid, M-00309
▷4-Methyl-5-thiazolecarboxylic acid, M-00310

C_5H_5NS
▷2(1*H*)-Pyridinethione, P-00574

$C_5H_5N_3$
1*H*-Imidazo[1,2-*b*]pyrazole, I-00032

$C_5H_5N_3O$
▷Pyrazinecarboxamide, *in* P-00560

$C_5H_5N_3O_3S$
▷Acinitrazole, *in* A-00294

$C_5H_5N_5S$
▷Thioguanine, T-00202

$C_5H_6Cl_6N_2O_3$
▷*N*,*N*′-Bis(2,2,2-trichloro-1-hydroxyethyl)urea, B-00238

$C_5H_6N_2$
▷2-Aminopyridine, A-00325

$C_5H_6N_2O$
1*H*-Pyrrole-2-carboxylic acid; Amide, *in* P-00596

$C_5H_6N_2OS$
▷2-Aminothiazole; *N*-Ac, *in* A-00336
▷2,3-Dihydro-6-methyl-2-thioxo-4(1*H*)pyrimidinone, D-00293

$C_5H_6N_2O_2$
1*H*-Pyrazole-1-carboxylic acid; Me ester, *in* P-00563

$C_5H_6N_2O_2S$
5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione, M-00119

$C_5H_6N_6$
7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine; 1-[illegible], *in* A-00338
7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine; 3-Me, *in* A-00338
7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine; 2-Me, *in* A-00338

$C_5H_6O_4$
Fumaric acid; Mono-Me ester, *in* F-00274

$C_5H_7ClN_2O_3$
Antibiotic AT 125, A-00405

$C_5H_7ClN_2O_4$
Antibiotic U 43795, *in* A-00405

C_5H_7NO
▷2-Furanmethanamine, F-00282

$C_5H_7NO_2$
4,5-Dihydro-1*H*-pyrrole-2-carboxylic acid, D-00301
Jatropham, J-00001

$C_5H_7NO_3$
5,5-Dimethyl-2,4-oxazolidinedione, D-00439
5-Oxo-2-pyrrolidinecarboxylic acid, O-00140

$C_5H_7NO_4S$
2,4-Thiazolidinedicarboxylic acid, T-00184

$C_5H_7N_3$
▷2,3-Dihydro-1*H*-imidazo[1,2-*b*]pyrazole, *in* I-00032

$C_5H_7N_3O$
1*H*-Pyrrole-2-carboxylic acid; Hydrazide, *in* P-00596

$C_5H_7N_3O_2$
▷1,2-Dimethyl-5-nitro-1*H*-imidazole, D-00435
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 2,4-Di-Me, *in* T-00422
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 3-Me ether, 4-Me, *in* T-00422
1,2,4-Triazine-3,5(2*H*,4*H*)-dione; 5-Me ether, 2-Me, *in* T-00422

$C_5H_7N_3O_4$
▷Azaserine, A-00509

$C_5H_7N_5O$
6-Hydrazino-3-pyridazinecarboxamide, H-00097

$C_5H_8BrNO_4$
5-Bromo-2-methyl-5-nitro-1,3-dioxane, B-00308

$C_5H_8Cl_3NO_3$
Carbocloral, *in* T-00438

$C_5H_8N_2O_2$
5-Oxo-2-pyrrolidinecarboxylic acid; Amide, *in* O-00140

$C_5H_8N_2O_3$
4-Amino-3-isoxazolidinone; *N*-Ac, *in* A-00277
N,*N*′-Carbonylbisacetamide, *in* U-00011

$C_5H_8N_2S$
2-Aminothiazole; *N*-Et, *in* A-00336

$C_5H_8N_2S_2$
5,5-Dimethyl-2,4-imidazolidinedithione, D-00431

$C_5H_8N_4O_3$
α-Methylallantoin, *in* A-00123
β-Methylallantoin, *in* A-00123

$C_5H_8N_4O_3S_2$
▷Methazolamide, M-00176
Propazolamide, P-00493

$C_5H_8N_4O_{12}$
▷Pentaerythritol tetranitrate, P-00078

$C_5H_8O_2$
▷Pentanedial, P-00090

$C_5H_8O_3$
▷4-Oxopentanoic acid, O-00134

$C_5H_8O_4S$
3-[(Carboxymethyl)thio]propanoic acid, C-00066

$C_5H_9ClO_3$
▷3-Chloro-1,2-propanediol; 1-Ac, *in* C-00278
3-Chloro-1,2-propanediol; 2-Ac, *in* C-00278

$C_5H_9Cl_2N_3O_2$
▷*N*,*N*′-Bis(2-chloroethyl)-*N*-nitrosourea, B-00199

$C_5H_9Cl_3O$
1,1,1-Trichloro-2-methyl-2-propanol; Me ether, *in* T-00440

$C_5H_9IO_3$
▷2-(Iodomethyl)-1,3-dioxolane-4-methanol, I-00107

$C_5H_9NO_2S$
O-Ethyl acetylcarbamothioate, *in* T-00196
S-Ethyl acetylcarbamothioate, *in* T-00196
Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, T-00136
4-Thiazolidinecarboxylic acid; Me ester, *in* T-00183

$C_5H_9NO_3$
4-(Hydroxyimino)pentanoic acid, *in* O-00134
4-Hydroxy-2-pyrrolidinecarboxylic acid, H-00210

$C_5H_9NO_3S$
▷*N*-Acetylcysteine, A-00031
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120

$C_5H_9NO_4S$
▷Carbocisteine, *in* C-00654
▷*S*-Carboxymethylcysteine, C-00065

$C_5H_9N_3$
3-(2-Aminoethyl)pyrazole, A-00256
▷Histamine, H-00077

$C_5H_9N_3O_{10}$
Pentaerythritol trinitrate, *in* P-00077

$C_5H_9N_5$
2,4-Diamino-1,3,5-triazine; *N*,*N*-Di-Me, *in* D-00136
2,4-Diamino-1,3,5-triazine; *N*,*N*′-Di-Me, *in* D-00136

$C_5H_{10}ClNS$
Diethyldithiocarbamic acid; Chloride, *in* D-00244

$C_5H_{10}ClN_3O_3$
▷*N*-(2-Chloroethyl)-*N*′-(2-hydroxyethyl)-*N*-nitrosourea, C-00237

$C_5H_{10}Cl_2O_2$
▷2,2-Bis(chloromethyl)-1,3-propanediol, B-00200

$C_5H_{10}NNaS_2$
▷Ditiocarb sodium, *in* D-00244

$C_5H_{10}N_2O$
2-Amino-4,5-dihydro-4,4-dimethyloxazole, A-00243

$C_5H_{10}N_2O_2$
1-Amino-2-pyrrolidinecarboxylic acid, A-00328
3-Amino-3-pyrrolidinecarboxylic acid, A-00329
Pentanedial; Dioxime, *in* P-00090

$C_5H_{10}N_2O_3$
Glutamine, G-00060

$C_5H_{10}N_2O_8$
Pentaerythritol; Dinitrate, *in* P-00077

$C_5H_{10}N_2S$
Penicillamine; Nitrile; B,HCl, *in* P-00064

$C_5H_{10}N_2S_2$
▷Fennosan B-100, *in* T-00135

$C_5H_{10}O_3$
4-Methoxybutanoic acid, *in* H-00118

$C_5H_{10}O_4$
Glycerol; Ac, *in* G-00064

$C_5H_{10}O_5$
Xylose, X-00024

$C_5H_{10}O_{10}P_2$
Butedronic acid, B-00397

$C_5H_{11}ClHgN_2O_2$
▷Chlormerodrin, C-00209

$C_5H_{11}ClO_2$
2-Chloro-1,3-dimethoxypropane, *in* C-00278
2-Chloro-3-ethoxy-1-propanol, *in* C-00278

$C_5H_{11}Cl_2N$
▷2,2′-Dichloro-*N*-methyldiethylamine, D-00193

$C_5H_{11}Cl_2NO$
▷Mustron, *in* D-00193

$C_5H_{11}NOS$
O-Ethyl dimethylcarbamothioate, *in* T-00196

$C_5H_{11}NOS_2$
Diethyldithiocarbamic acid; *S*-Oxide, *in* D-00244

$C_5H_{11}NO_2$
4-Aminobutanoic acid; *N*-Me, *in* A-00221
▷Betaine, B-00140
▷Ethyl *N*-ethylcarbamate, E-00185
▷3-Methyl-1-butyl nitrite, M-00237

$C_5H_{11}NO_2S$
Cysteine; *S*-Et, *in* C-00654
Methionine, M-00183
Penicillamine, P-00064

$C_5H_{11}NO_2Se$
▷Selenomethionine, S-00038

$C_5H_{11}NO_3$
1-Nitro-2-pentanol, N-00183

$C_5H_{11}NO_3S$
Methionine; *S*-Oxide, *in* M-00183

$C_5H_{11}NO_6$
Pentaerythritol; Mononitrate, *in* P-00077

$C_5H_{11}NS_2$
▷Diethyldithiocarbamic acid, D-00244
Nereistoxin, N-00075

$C_5H_{11}N_3O_2$
4-Guanidinobutanoic acid, G-00110

$C_5H_{11}O_4P$
Dimethyl (3-methyloxiranyl)phosphonate, *in* M-00276

$C_5H_{12}N_2$
3-Aminopiperidine, A-00314
▷1-Methylpiperazine, *in* P-00285

$C_5H_{12}N_2O_2$
Ornithine, O-00059

$C_5H_{12}N_4O$
4-Guanidinobutyramide, *in* G-00110

$C_5H_{12}N_8$
▷Mitoguazone, M-00402

$C_5H_{12}O$
1-Methoxy-2-methylpropane, M-00204

$C_5H_{12}O_2$
▷Diethoxymethane, *in* F-00244

$C_5H_{12}O_3$
1,3-Dimethoxy-2-propanol, *in* G-00064
2,3-Dimethoxy-1-propanol, *in* G-00064

$C_5H_{12}O_4$
▷Pentaerythritol, P-00077

$C_5H_{13}AsO_2$
Diethoxymethylarsine oxide, *in* M-00226

$C_5H_{13}NO$
3-Amino-1-propanol; *N*-Di-Me, *in* A-00319
▷1-Dimethylamino-2-propanol, D-00419
▷2-Isopropylaminoethanol, *in* A-00253

$C_5H_{13}NO_2$
3-Dimethylamino-1,2-propanediol, *in* A-00317

$C_5H_{13}NO_4S$
N,*N*,*N*-Trimethyl-2-(sulfooxy)ethanaminium hydroxide inner salt, *in* C-00308

$C_5H_{13}N_2O_4P$
Alafosfalin, A-00091

$C_5H_{14}ClNO_5$
Choline; Perchlorate, *in* C-00308

$C_5H_{14}NO^{\oplus}$
▷Choline, C-00308

$C_5H_{14}NO_4P$
Choline hydroxide dihydrogen phosphate inner salt, *in* C-00308

$C_5H_{14}O_6P_2$
Tetramethyl methylenebisphosphonate, *in* M-00168

$C_5H_{15}NO_2$
▷Choline; Hydroxide, *in* C-00308

$C_5H_{15}N_2O_3PS$
▷Ethiofos, E-00155

$C_6HBiBr_4O_3$
Bibrocathol, B-00152

$C_6H_2HgI_2O_4S$
Anogon, *in* D-00358

$C_6H_3Cl_3O$
▷2,4,5-Trichlorophenol, T-00441

$C_6H_3I_2NO_3$
▷2,6-Diiodo-4-nitrophenol, D-00360

C_6H_3NOS
5-Formyl-2-thiophenecarbonitrile, F-00248

$C_6H_4ClFO_2S$
4-Fluorobenzenesulfonic acid; Chloride, *in* F-00181

C_6H_4ClNO
3-Pyridinecarboxylic acid; Chloride, *in* P-00571

$C_6H_4ClNO_4$
2-Chloroacetyl-5-nitrofuran, C-00213

$C_6H_4Cl_2N_2O_2$
▷2,6-Dichloro-4-nitroaniline, D-00196

$C_6H_4I_2O_4S$
3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358

$C_6H_4N_2$
Nicotinonitrile, *in* P-00571

$C_6H_4N_4O$
3-Pyridinecarboxylic acid; Azide, *in* P-00571

$C_6H_4O_6$
Tetrahydroxy-1,4-benzoquinone, T-00137

$C_6H_5Br_2NO$
2-Amino-4,6-dibromophenol, A-00239

C_6H_5ClHg
▷Chlorophenylmercury, C-00265

C_6H_5ClHgO
▷Chloro(2-hydroxyphenyl)mercury, C-00247

C_6H_5ClO
▷4-Chlorophenol, C-00260

$C_6H_5ClO_2S$
▷Benzenesulfonic acid; Chloride, *in* B-00075

$C_6H_5ClO_6S_2$
4-Chloro-1,3-benzenedisulfonic acid, C-00215

$C_6H_5FO_2S$
▷Benzenesulfonic acid; Fluoride, *in* B-00075

$C_6H_5FO_3S$
4-Fluorobenzenesulfonic acid, F-00181

$C_6H_5GaO_7$
Gallium citrate, G-00005

$C_6H_5HgNO_3$
▷(Nitrato-*O*)phenylmercury, N-00169

$C_6H_5Li_3O_7$
Lithium citrate, L-00059

C_6H_5NO
3-Pyridinecarboxaldehyde, P-00569

$C_6H_5NO_2$
2-Hydroxy-4-imino-2,5-cyclohexadienone, H-00141
3-Pyridinecarboxaldehyde; *N*-Oxide, *in* P-00569
▷3-Pyridinecarboxylic acid, P-00571

$C_6H_5NO_3$
Oxiniacic acid, *in* P-00571

$C_6H_5N_5O_2$
Xanthopterin, X-00006

$C_6H_5N_5O_5S$
Xanthopterinsulfonic acid, *in* X-00006

$C_6H_6AsCl_2NO$
(3-Amino-4-hydroxyphenyl)arsinous dichloride, A-00270

C_6H_6AsNO
▷Salvarsan, S-00021

$C_6H_6AsNO_2$
▷Oxophenarsine, O-00135

$C_6H_6AsNO_5$
▷4-Nitrophenylarsonic acid, N-00184

$C_6H_6AsNO_6$
▷4-Hydroxy-3-nitrophenylarsonic acid, H-00181

$C_6H_6ClNO_2S$
N-Chlorobenzenesulfonamide, *in* B-00075

$C_6H_6Cl_2N_2O_4S_2$
▷Dichlorphenamide, D-00206

$C_6H_6Cl_6$
▷1,2,3,4,5,6-Hexachlorocyclohexane, H-00038

$C_6H_6FNO_2S$
▷4-Fluorobenzenesulfonic acid; Amide, *in* F-00181

C_6H_6HgO
▷Hydroxyphenylmercury, H-00191

$C_6H_6N_2O$
▷3-Pyridinecarboxaldehyde; Oxime, *in* P-00569
▷3-Pyridinecarboxamide, P-00570

$C_6H_6N_2O_2$
2-Amino-3-pyridinecarboxylic acid, A-00326
N-Hydroxy-3-pyridinecarboxamide, *in* P-00570
5-Methylpyrazinecarboxylic acid, M-00302
Pyrazinecarboxylic acid; Me ester, *in* P-00560
3-Pyridinecarboxamide; *N*-Oxide, *in* P-00570

$C_6H_6N_2O_3$
▷Acipimox, *in* M-00302
Pyrazinecarboxylic acid; Me ester, 1-oxide, *in* P-00560
Pyrazinecarboxylic acid; Me ester, 4-oxide, *in* P-00560

$C_6H_6N_2O_4$
Alloxan; 1,3-*N*-Di-Me, *in* A-00128
Orotic acid; Me ester, *in* O-00061

$C_6H_6N_4$
4-Aminopyrrolo[2,3-*d*]pyrimidine, A-00330

$C_6H_6N_4O$
▷Dezaguanine, D-00115
1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one; 1-Me, *in* D-00300

$C_6H_6N_4O_3S$
▷Niridazole, N-00156

$C_6H_6N_4O_4$
▷Nitrofurazone, *in* N-00177

$C_6H_6N_4S$
1,7-Dihydro-6*H*-purine-6-thione; 1-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; 7-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; 9-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; 3-Me, *in* D-00299
▷1,7-Dihydro-6*H*-purine-6-thione; *S*-Me, *in* D-00299

$C_6H_6N_6O_2$
Temozolomide, T-00064

C_6H_6O
▷Phenol, P-00161

$C_6H_6O_2$
▷1,3-Benzenediol, B-00073
▷1,4-Benzenediol, B-00074

$C_6H_6O_3$
▷1,3,5-Benzenetriol, B-00076

$C_6H_6O_3S$
▷Benzenesulfonic acid, B-00075

$C_6H_6O_4S$
S-Acetylmercaptosuccinic anhydride, *in* M-00115
Sulfuric acid monophenyl ester, *in* P-00161

$C_6H_6O_5S$
2,5-Dihydroxybenzenesulfonic acid, D-00313

$C_6H_6O_6$
1,4:6,3-Glucarodilactone, G-00053

$C_6H_6O_8S_2$
2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312

$C_6H_7AsClNO_2$
▷Mapharsen, *in* O-00135

$C_6H_7AsO_4$
▷4-Hydroxyphenylarsonic acid, H-00190

$C_6H_7ClN_2O_2$
5-(2-Chloroethyl)uracil, C-00239

$C_6H_7ClN_2O_3$
5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione; 1,3-*N*-Di-Me, *in* C-00283

$C_6H_7ClN_2O_4S_2$
▷Clofenamide, *in* C-00215

$C_6H_7FN_2O_2$
5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione; 1,3-Di-Me, *in* F-00190

C_6H_7NO
▷3-Aminophenol, A-00297
▷4-Aminophenol, A-00298
3-Hydroxy-1-methylpyridinium hydroxide inner salt, *in* H-00209
3-Methoxypyridine, *in* H-00209
▷2-Pyridinemethanol, P-00572
▷3-Pyridinemethanol, P-00573

$C_6H_7NO_2$
Mepiroxol, *in* P-00573
1*H*-Pyrrole-2-carboxylic acid; Me ester, *in* P-00596

$C_6H_7NO_2S$
▷Benzenesulfonic acid; Amide, *in* B-00075
4-Methyl-5-thiazolecarboxylic acid; Me ester, *in* M-00310

$C_6H_7NO_3S$
▷4-Aminobenzenesulfonic acid, A-00213

C_6H_7NS
▷2(1*H*)-Pyridinethione; *N*-Me, *in* P-00574

$C_6H_7N_3O$
2-Amino-3-pyridinecarboxylic acid; Amide, *in* A-00326
▷Isoniazid, I-00195
5-Methylpyrazinecarboxylic acid; Amide, *in* M-00302
▷3-Pyridinecarboxylic acid; Hydrazide, *in* P-00571

$C_6H_7N_5O_3$
Furaguanidine, F-00279

$C_6H_8AsNO_3$
▷3-Aminophenylarsonic acid, A-00301
▷4-Aminophenylarsonic acid, A-00302

$C_6H_8AsNO_4$
▷(3-Amino-4-hydroxyphenyl)arsonic acid, A-00271

C_6H_8ClNS
▷5-(2-Chloroethyl)-4-methylthiazole, C-00238

$C_6H_8ClN_7O$
Amiloride, A-00198

$C_6H_8NO_3Sb$
▷4-Aminobenzenestibonic acid, A-00212

$C_6H_8N_2$
3-(Aminomethyl)pyridine, A-00290
2-Aminopyridine; *N*-Me, picrate, *in* A-00325

$C_6H_8N_2O$
4,6-Dimethyl-3(2*H*)-pyridazinone, D-00450

$C_6H_8N_2O_2$
1*H*-Pyrazole-1-carboxylic acid; Et ester, *in* P-00563
4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol, T-00121

$C_6H_8N_2O_2S$
5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione; *S*-Me, *in* M-00119

▷Sulfanilamide, *in* A-00213

$C_6H_8N_2O_3$
1,3-Dimethylbarbituric acid, *in* P-00586
2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione; *N*-Et, *in* P-00586

$C_6H_8N_2O_8$
▷Isosorbide dinitrate, *in* D-00144

$C_6H_8N_4O_3S$
▷*N*-Ethyl-*N'*-(5-nitro-2-thiazolyl)urea, E-00211

$C_6H_8N_4O_4$
Allantoin; 1-Ac, *in* A-00123
▷Ronidazole, R-00084

$C_6H_8N_6$
Dametralast, D-00008

$C_6H_8N_6O_{18}$
▷Mannitol hexanitrate, *in* M-00018

$C_6H_8O_4$
▷Fumaric acid; Di-Me ester, *in* F-00274

$(C_6H_8O_6)_n$
▷Alginic acid, A-00115
Ascorbic acid, A-00456
Glucurono-6,3-lactone, G-00059

$C_6H_8O_7$
▷Citric acid, C-00402

$C_6H_9AsN_2O_5S$
[2-Amino-4-(aminosulfonyl)phenyl]arsonic acid, A-00209

$C_6H_9Cl_3O_2$
1,1,1-Trichloro-2-methyl-2-propanol; Ac, *in* T-00440

$(C_6H_9NO)_n$
▷Povidone, P-00393

$C_6H_9NO_2$
4-Hydroxybutanoic acid; Nitrile, Ac, *in* H-00118

$C_6H_9NO_2S$
▷*N*-(Tetrahydro-2-oxo-3-thienyl)acetamide, T-00129

$C_6H_9NO_3$
2-Oxo-1-pyrrolidineacetic acid, O-00139
5-Oxo-2-pyrrolidinecarboxylic acid; Me ester, *in* O-00140
▷3,5,5-Trimethyl-2,4-oxazolidinedione, T-00510

$C_6H_9NO_6$
Glucurono-6,3-lactone; Oxime, *in* G-00059
Isosorbide mononitrate, *in* D-00144

$C_6H_9N_3$
Dimethylaminopyrazine, D-00421

$C_6H_9N_3O$
4-Amino-5-(hydroxymethyl)-2-methylpyrimidine, A-00267

$C_6H_9N_3O_2$
5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *in* A-00275
Medazonamide, M-00054

$C_6H_9N_3O_3$
▷2-Amino-6-diazo-5-oxohexanoic acid, A-00238
▷Metronidazole, M-00344
1,3,5-Triazine-2,4,6-triol; Tri-Me ether, *in* T-00423

$C_6H_9N_5O_2$
3,5-Diamino-1*H*-1,2,4-triazole; 3,5-Di-*N*-Ac, *in* D-00137

$(C_6H_{10}FeO_7)_n$
Ferric fructose, F-00088

$C_6H_{10}NO_8P$
Sparfosic acid, S-00108

$C_6H_{10}N_2O_2$
3-Hydroxy-3-methylpentanedioic acid; Amide-nitrile, *in* H-00170
2-Oxo-1-pyrrolidineacetamide, *in* O-00139

$C_6H_{10}N_2O_3$
4-Hydroxy-2-oxo-1-pyrrolidineacetamide, H-00188

$C_6H_{10}N_2O_5$
Dealanylalahopcin, *in* A-00092

$C_6H_{10}N_3O_6P$
Metronidazole phosphate, *in* M-00344

$C_6H_{10}N_4$
▷6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, T-00133

$C_6H_{10}N_4O$
N-Methyl-5-(methylamino)-1*H*-imidazole-4-carboxamide, *in* A-00275

$C_6H_{10}N_4O_2$
Linsidomine, L-00052

$C_6H_{10}N_4O_3$
Allantoin; 1,3-Di-Me, *in* A-00123
Allantoin; 1,6-Di-Me, *in* A-00123
Allantoin; 1,8-Di-Me, *in* A-00123
Allantoin; 3,8-Di-Me, *in* A-00123

$C_6H_{10}N_6$
Cyromazine, C-00653

$C_6H_{10}N_6O$
▷Dacarbazine, D-00001

$C_6H_{10}O$
▷3-Methyl-1-pentyn-3-ol, M-00281

$C_6H_{10}O_2S_4$
▷Dixanthogen, D-00556

$C_6H_{10}O_3$
▷3-Ethoxy-2-oxobutanal, E-00168
4-Oxopentanoic acid; Me ester, *in* O-00134

$C_6H_{10}O_4$
4-Acetoxybutanoic acid, *in* H-00118
1,4:3,6-Dianhydroglucitol, D-00144

$C_6H_{10}O_4S_2$
2,3-Dimercaptobutanedioic acid; Di-Me ester, *in* D-00384

$(C_6H_{10}O_5)_n$
Cellulose, C-00165
▷3-Hydroxy-3-methylpentanedioic acid, H-00170

$(C_6H_{10}O_5)n$
Starch, S-00140

$(C_6H_{10}O_5)_n \cdot xH_2O$
▷Dextrin, D-00114

$C_6H_{10}O_6$
Dimethyl tartrate, *in* T-00028

$C_6H_{10}O_7$
xylo-2-Hexulosonic acid, H-00070

$C_6H_{10}O_{12}P_2$
myo-Inositol; 1,4-Diphosphate, *in* I-00074

$C_6H_{11}AuO_5S$
(1-Thioglucopyranosato)gold, T-00201

$C_6H_{11}BrN_2O_2$
▷*N*-(2-Bromo-3-methylbutanoyl)urea, B-00307

$C_6H_{11}BrO_2$
2-Bromo-2,2-diethylacetic acid, B-00297

$C_6H_{11}FO_5$
2-Deoxy-2-fluoroglucose, D-00078

$C_6H_{11}IO_3$
▷2-(1-Iodoethyl)-1,3-dioxolane-4-methanol, I-00103

$C_6H_{11}NO$
▷2-(1-Aziridinyl)-1-vinylethanol, A-00527
Hexahydro-1*H*-furo[3,4-*c*]pyrrole, H-00049
2-Methoxy-2-methylpropyl isocyanide, M-00205

$C_6H_{11}NO_2$
▷1-Aminocyclopentanecarboxylic acid, A-00230
3-Aminocyclopentanecarboxylic acid, A-00231
4-Amino-5-hexenoic acid, A-00260

$C_6H_{11}NO_2S$
S-Allylcysteine, *in* C-00654
Cysteine; *S*-1-Propenyl, *in* C-00654

$C_6H_{11}NO_3$
▷4-Aminobutanoic acid; *N*-Ac, *in* A-00221

4-Hydroxyhygrinic acid, *in* H-00210
4-Methoxy-2-pyrrolidinecarboxylic acid, *in* H-00210

$C_6H_{11}NO_3S$
Cysteine; *S*-(1-Propenyl), *S*-oxide, *in* C-00654
Methionine; *N*-Formyl, *in* M-00183
Methionine; *N*-Formyl, *in* M-00183
Penicillamine; *N*-Formyl, *in* P-00064

$C_6H_{11}NO_5$
D-Gluconononitrile, *in* G-00055

$C_6H_{11}NO_5S$
Cysteine; *S*-(2-Carboxy-2-hydroxyethyl), *in* C-00654

$C_6H_{11}NO_6$
Glucuronamide, G-00058

$C_6H_{11}N_3$
α-Methylhistamine, M-00260
▷N-Methylhistamine, *in* H-00077

$C_6H_{11}N_3O_4$
Caracemide, C-00036
Citramide, *in* C-00402

$C_6H_{11}N_3O_9$
2-Ethyl-2-[(nitrooxy)methyl]-1,3-propanediol dinitrate (ester), *in* E-00194

$C_6H_{11}O_8P$
Foscolic acid, F-00254

$C_6H_{11}O_9P$
myo-Inositol; 1-Phosphate, *in* I-00074

$C_6H_{12}BrNO$
▷2-Bromo-2-ethylbutanamide, *in* B-00297

$C_6H_{12}Br_2O_4$
▷1,6-Dibromo-1,6-dideoxygalactitol, D-00163
1,6-Dibromo-1,6-dideoxymannitol, D-00164

$C_6H_{12}ClN_3O_3$
N-(2-Chloroethyl)-*N'*-(2-hydroxyethyl)-*N*-nitrosourea; *N'*-Me, *in* C-00237

$C_6H_{12}Cl_3N$
▷Tris(2-chloroethyl)amine, T-00534

$C_6H_{12}Cl_3NO$
Tris(2-chloroethyl)amine; *N*-Oxide; B,HCl, *in* T-00534

$C_6H_{12}F_2N_2O_2$
▷2,5-Diamino-2-(difluoromethyl)pentanoic acid, D-00126

$C_6H_{12}N_2O$
Piperazine; *N*-Ac, *in* P-00285

$C_6H_{12}N_2O_3$
3-Hydroxy-3-methylpentanedioic acid; Diamide, *in* H-00170

$C_6H_{12}N_2O_4Pt$
▷Carboplatin, C-00061

$C_6H_{12}N_2S$
Mipimazole, M-00392

$C_6H_{12}N_2S_4$
▷Tetramethylthiuram disulfide, T-00149

$C_6H_{12}N_3PS$
▷Thiotepa, T-00211

$C_6H_{12}N_4$
▷Hexamethylenetetramine, H-00057

$C_6H_{12}N_4O_9$
Tris(2-nitroxyethyl)amine, T-00538

$C_6H_{12}O_2$
▷4-Hydroxy-4-methyl-2-pentanone, H-00171

$C_6H_{12}O_3$
▷Paraldehyde, P-00023

$C_6H_{12}O_3S$
2,2'-Thiobisethanol; Mono-Ac, *in* T-00195

$C_6H_{12}O_4$
▷3-Ethoxy-1,1-dihydroxy-2-butanone, *in* E-00168

$C_6H_{12}O_5$
1,4-Anhydroglucitol, A-00387

$C_6H_{12}O_6$
myo-Inositol, I-00074

$C_6H_{12}O_7$
Gluconic acid, G-00055

$C_6H_{13}NOS$
2-Aminoethanethiol; *N*-Di-Me, *S*-Ac, *in* A-00252

$C_6H_{13}NO_2$
4-Aminobutanoic acid; Et ester, *in* A-00221
▷6-Aminohexanoic acid, A-00259
4-Dimethylaminobutanoic acid, *in* A-00221
2-Dimethylaminoethanol; Ac, *in* D-00408
4-Hydroxy-4-methyl-2-pentanone; Oxime, *in* H-00171
Leucine, L-00029

$C_6H_{13}NO_2S$
Cysteine; *S*-Propyl, *in* C-00654
Methionine; Me ester; B,HCl, *in* M-00183
Penicillamine; Me ester, *in* P-00064
Penicillamine; *N*-Me; B,HCl, *in* P-00064

$C_6H_{13}NO_2Se$
4-Amino-4-(dimethylseleno)butanoic acid, *in* S-00038

$C_6H_{13}NO_3$
Oxibetaine, O-00110

$C_6H_{13}NO_3S$
▷Cyclohexylsulfamic acid, C-00623
Cysteine; *S*-Propyl, *S*-oxide, *in* C-00654
Methionine; *N*-Me, *S*-oxide, *in* M-00183

$C_6H_{13}NO_4$
2-Amino-2,6-dideoxyglucose, A-00240
3,4,5-Trihydroxy-2-piperidinemethanol, T-00481

$C_6H_{13}NO_5$
2-Amino-2-deoxyglucose, A-00235

$C_6H_{13}NO_6$
D-Gluconamide, *in* G-00055

$C_6H_{13}NS_2$
▷Diethyldithiocarbamic acid; Me ester, *in* D-00244

$C_6H_{13}N_3O_3$
Citrulline, C-00405

$C_6H_{13}N_5$
3,5-Diamino-1*H*-1,2,4-triazole; 3,3,5,5-Tetra-*N*-Me, *in* D-00137

$C_6H_{13}N_5O$
Moroxydine, M-00446

$C_6H_{13}O_5P$
Phosphonoacetic acid; *tert*-Butyl ester, *in* P-00215

$C_6H_{14}ClNO_2$
Acetoxymethyl(trimethyl)ammonium chloride, *in* H-00177

$C_6H_{14}Cl_4N_2Pt$
▷Tetraplatin, T-00153

$C_6H_{14}FO_3P$
▷Diisopropyl phosphorofluoridate, D-00368

$C_6H_{14}INO_2$
Acetoxymethyl(trimethyl)ammonium iodide, *in* H-00177

$C_6H_{14}N_2$
▷1,4-Dimethylpiperazine, *in* P-00285

$C_6H_{14}N_2O$
6-Aminohexanoic acid; Amide, *in* A-00259
Leucine; Amide, *in* L-00029

$C_6H_{14}N_2O_2$
Ornithine; N^5-Me, *in* O-00059

$C_6H_{14}N_4O_2$
Arginine, A-00441

$C_6H_{14}O$
1-Ethoxy-2-methylpropane, E-00167

$C_6H_{14}O_2$
▷1,1-Diethoxyethane, D-00228
3-Methyl-2,4-pentanediol, M-00279

$C_6H_{14}O_3$
▷2-Ethyl-2-hydroxymethyl-1,3-propanediol, E-00194
1,2,3-Trimethoxypropane, *in* G-00064

$C_6H_{14}O_6$
▷Glucitol, G-00054
Mannitol, M-00018

$C_6H_{14}O_6S_2$
▷Busulphan, B-00379

$C_6H_{14}O_8S_2$
▷Treosulfan, *in* T-00219

$C_6H_{15}ClN_2O_2$
▷Carbachol, *in* C-00040

$C_6H_{15}NO$
3-Amino-1-propanol; *N*-Di-Me, Me ether, *in* A-00319
▷2-Diethylaminoethanol, *in* A-00253

$C_6H_{15}NO_2$
3,3′-Iminobis-1-propanol, I-00037

$C_6H_{15}NO_3$
▷Tris(2-hydroxyethyl)amine, T-00536

$C_6H_{15}NO_4$
Tris(2-hydroxyethyl)amine; *N*-Oxide, *in* T-00536

$C_6H_{15}NS$
▷2-Aminoethanethiol; *N*-Di-Et, *in* A-00252

$C_6H_{15}N_2O_2^{\oplus}$
Carbamoylcholine(1+), C-00040

$C_6H_{15}N_5$
▷1-Butylbiguanide, B-00428

$C_6H_{16}INO$
Ethoxymethyl(trimethyl)ammonium iodide, *in* H-00177
1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; Iodide, *in* H-00217

$C_6H_{16}NO^{\oplus}$
1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium, H-00217

$C_6H_{16}O_7P_2$
Tetramethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132

$C_6H_{17}NO_2$
1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; Hydroxide, *in* H-00217

$C_6H_{18}N_4$
▷Triethylenetetramine, T-00457

$C_6H_{18}O_{24}P_6$
▷Phytic acid, *in* I-00074

$C_6H_{20}Cl_2N_2O_2Pt$
▷Iproplatin, I-00162

$C_7H_3BrClNO_2$
▷6-Bromo-5-chloro-2(3*H*)-benzoxazolone, B-00293

$C_7H_3Br_2NO$
3,5-Dibromo-2-hydroxybenzonitrile, *in* D-00165

$C_7H_3ClN_2O_5$
▷3,5-Dinitrobenzoic acid; Chloride, *in* D-00468

$C_7H_3Cl_2NO_3$
2-Chloro-4-nitrobenzoic acid; Chloride, *in* C-00258

$C_7H_3F_{12}N_3$
▷Midaflur, M-00364

$C_7H_3IN_2O_3$
▷4-Hydroxy-3-iodo-5-nitrobenzonitrile, H-00142

$C_7H_3I_3N_2$
3-Cyano-2,4,6-triiodoaniline, *in* A-00340

$C_7H_3N_3O_4$
▷1-Cyano-3,5-dinitrobenzene, *in* D-00468

$C_7H_4BrNO_3S$
Saccharin; *N*-Br, *in* S-00002

$C_7H_4Br_2O_3$
3,5-Dibromo-2-hydroxybenzoic acid, D-00165

C_7H_4ClNOS
▷6-Chloro-1,2-benzisothiazol-3(2*H*)-one, C-00216

$C_7H_4ClNO_2$
▷5-Chloro-2(3*H*)-benzoxazolone, C-00218

$C_7H_4ClNO_2S$
4-Cyanobenzenesulfonyl chloride, *in* S-00217

$C_7H_4ClNO_4$
▷2-Chloro-4-nitrobenzoic acid, C-00258

$C_7H_4Cl_2O_3S$
4-Sulfobenzoic acid; Dichloride, *in* S-00217

$C_7H_4I_3NO_2$
▷3-Amino-2,4,6-triiodobenzoic acid, A-00340

$C_7H_4N_2O_6$
3,5-Dinitrobenzoic acid, D-00468

$C_7H_4O_3S$
Thioxolone, T-00214

$C_7H_5BiO_6$
2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, D-00314

C_7H_5BrO
Benzoyl bromide, *in* B-00092

$C_7H_5Br_2NO_2$
3,5-Dibromo-2-hydroxybenzoic acid; Amide, *in* D-00165

$C_7H_5ClN_2O$
▷2-Amino-5-chlorobenzoxazole, A-00225

$C_7H_5ClN_2O_3$
Aklomide, *in* C-00258

C_7H_5ClO
▷Benzoyl chloride, *in* B-00092

$C_7H_5ClO_2$
2-Hydroxybenzoic acid; Chloride, *in* H-00112

$C_7H_5ClO_5S$
4-Chloro-3-sulfobenzoic acid, C-00286
2-Hydroxy-5-sulfobenzoic acid; Sulfonyl chloride, *in* H-00214

$C_7H_5Cl_2NO_4S$
▷4-[(Dichloroamino)sulfonyl]benzoic acid, D-00179

$C_7H_5Cl_3O$
1,2,4-Trichloro-5-methoxybenzene, *in* T-00441

C_7H_5FO
Benzoyl fluoride, *in* B-00092

$C_7H_5HgNO_3$
▷Nitromersol, N-00181

C_7H_5IO
Benzoyl iodide, *in* B-00092

$C_7H_5I_2NO_3$
3,5-Diiodo-4-pyridone-1-acetic acid, D-00363

$C_7H_5I_3N_2O$
3-Amino-2,4,6-triiodobenzoic acid; Amide, *in* A-00340

$C_7H_5I_3N_2O_2$
3,5-Diamino-2,4,6-triiodobenzoic acid, D-00138

C_7H_5NO
2-Cyanophenol, *in* H-00112
▷4-Hydroxybenzonitrile, *in* H-00113

C_7H_5NOS
1,2-Benzisothiazol-3(2*H*)-one, B-00086

$C_7H_5NO_2$
2,5-Dihydroxybenzoic acid; Nitrile, *in* D-00316

$C_7H_5NO_3S$
▷Saccharin, S-00002

$C_7H_5N_3O$
▷Benzazide, *in* B-00092

$C_7H_5N_3O_5$
3,5-Dinitrobenzamide, *in* D-00468

C_7H_6ClNO
4-Aminobenzoic acid; Chloride, *in* A-00216

$C_7H_6ClNO_2$
3-Amino-2-chlorobenzoic acid, A-00223
3-Amino-4-chlorobenzoic acid, A-00224

$C_7H_6ClNO_4S$
Monalazone, M-00427

$C_7H_6ClN_3O_4S_2$
▷Chlorothiazide, C-00288

$C_7H_6F_3NO_2$
Flucrylate, F-00141

$C_7H_6N_2$
2-Aminobenzoic acid; Nitrile, *in* A-00215
4-Aminobenzoic acid; Nitrile, *in* A-00216

$C_7H_6N_2O$
4-Amino-2-hydroxybenzonitrile, *in* A-00264
2-Hydroxy-5-aminobenzonitrile, *in* A-00266

$C_7H_6N_2O_3S$
Saccharin; Oxime, *in* S-00002

$C_7H_6N_2S$
3-Amino-1,2-benzisothiazole, A-00214

$C_7H_6N_4O_2$
Ciapilome, C-00321
5-(3-Hydroxyphenyl)-1*H*-tetrazole, H-00198

$C_7H_6N_4O_5$
▷Nifuraldezone, N-00116

$C_7H_6N_4S_2$
Citenazone, *in* F-00248

C_7H_6OS
▷Thiobenzoic acid, T-00193

$C_7H_6OS_2$
2-Hydroxydithiobenzoic acid, H-00127

$C_7H_6O_2$
▷Benzoic acid, B-00092
Phenol; Formyl, *in* P-00161

$C_7H_6O_2S$
▷2-Mercaptobenzoic acid, M-00114

$C_7H_6O_3$
▷3,4-Dihydroxybenzaldehyde, D-00311
▷2-Hydroxybenzoic acid, H-00112
▷4-Hydroxybenzoic acid, H-00113

$C_7H_6O_3S$
α-Mercapto-β-(2-furyl)acrylic acid, M-00117

$C_7H_6O_4$
2,3-Dihydroxybenzoic acid, D-00315
▷2,5-Dihydroxybenzoic acid, D-00316
2,6-Dihydroxybenzoic acid, D-00317
▷Patulin, P-00043

$C_7H_6O_5S$
4-Sulfobenzoic acid, S-00217

$C_7H_6O_6S$
▷2-Hydroxy-5-sulfobenzoic acid, H-00214

$C_7H_7ClN_2O_3S$
4-Chloro-3-sulfamoylbenzamide, *in* C-00286

$C_7H_7ClN_6O_2$
▷Mitozolomide, M-00408

C_7H_7ClO
1-Chloro-4-methoxybenzene, *in* C-00260
▷4-Chloro-3-methylphenol, C-00256

$C_7H_7ClO_2S$
Tosyl chloride, *in* M-00228

$C_7H_7Cl_2NO$
▷3,5-Dichloro-2,6-dimethyl-4(1*H*)-pyridinone, D-00187

$C_7H_7Cl_2NO_2S$
N,*N*-Dichloro-4-methylbenzenesulfonamide, D-00191

$C_7H_7Cl_3NO_4P$
▷Fospirate, F-00258

$C_7H_7FO_2S$
▷4-Methylbenzenesulfonic acid; Fluoride, *in* M-00228

C_7H_7NO
▷4-Aminobenzaldehyde, A-00210

C_7H_7NOS
Thiocarbamic acid; *S*-Ph ester, *in* T-00196
Thiocarbamic acid; *O*-Ph ester, *in* T-00196
Thiocarbamic acid; *N*-Ph, *in* T-00196

$C_7H_7NO_2$
3-Acetoxypyridine, *in* H-00209
▷2-Aminobenzoic acid, A-00215
▷4-Aminobenzoic acid, A-00216
▷2-Hydroxybenzamide, *in* H-00112
4-Hydroxybenzamide, *in* H-00113
4-Hydroxyformanilide, *in* A-00298
2-Methyl-4-pyridinecarboxylic acid, M-00303
▷3-Pyridinecarboxylic acid; Me ester, *in* P-00571

$C_7H_7NO_2S$
2(1*H*)-Pyridinethione; 1-Acetoxy, *in* P-00574

$C_7H_7NO_3$
2-Amino-5-hydroxybenzoic acid, A-00262
3-Amino-4-hydroxybenzoic acid, A-00263
▷4-Amino-2-hydroxybenzoic acid, A-00264
4-Amino-3-hydroxybenzoic acid, A-00265
▷5-Amino-2-hydroxybenzoic acid, A-00266
3,4-Dihydroxybenzaldehyde; Oxime, *in* D-00311
3-Pyridinecarboxylic acid; Me ester, *N*-oxide, *in* P-00571

$C_7H_7NO_4S$
▷4-(Aminosulfonyl)benzoic acid, *in* S-00217

$C_7H_7NO_5S$
2-Hydroxy-5-sulfobenzoic acid; Sulfonamide, *in* H-00214

C_7H_7NS
▷Thiobenzoic acid; Amide, *in* T-00193

$C_7H_7N_3O_4$
▷Nihydrazone, N-00139

$C_7H_7N_5$
5-Amino-1-phenyl-1*H*-tetrazole, A-00313

$C_7H_7N_5O_2$
▷6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, D-00452

$C_7H_7O_6P$
▷2-(Phosphonooxy)benzoic acid, P-00217

$C_7H_8AsNO_4S$
3,3′-Diamino-4,4′-dihydroxyarsenobenzene-*N*,*N*′-dimethylenesulfonic acid, D-00127

$C_7H_8BrNO_2$
▷Brocresine, B-00275

$C_7H_8ClNO_2S$
▷*N*-Chloro-*p*-toluenesulfonamide, C-00289

$C_7H_8ClN_3O_4S_2$
▷Hydrochlorothiazide, H-00098

$C_7H_8NO_5P$
[(4-Nitrophenyl)methyl]phosphonic acid, N-00185

$C_7H_8N_2O$
4-Aminobenzaldehyde; Oxime, *in* A-00210
2-Aminobenzamide, *in* A-00215
4-Aminobenzoic acid; Amide, *in* A-00216
2-Aminopyridine; 2-*N*-Ac, *in* A-00325
Benzoic acid; Hydrazide, *in* B-00092

$C_7H_8N_2O_2$
5-Amino-2-hydroxybenzoic acid; Amide, *in* A-00266
2-Amino-3-pyridinecarboxylic acid; Me ester, *in* A-00326
2-Amino-3-pyridinecarboxylic acid; *N*-Me, *in* A-00326

$C_7H_8N_2O_3S$
4-Sulfobenzoic acid; Diamide, *in* S-00217

$C_7H_8N_2O_4$
Orotic acid; Et ester, *in* O-00061
Orotic acid; 1,3-Di-Me, *in* O-00061

$C_7H_8N_2O_5$
▷Nifuratrone, N-00119

$C_7H_8N_2S$
Thiobenzoic acid; Hydrazide, *in* T-00193

$C_7H_8N_4O$
1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one; 1,5-Di-Me, *in* D-00300

$C_7H_8N_4O_2$
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 1,5-Di-Me, *in* P-00564
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 5,7-Di-Me, *in* P-00564
2,3,6,7-Tetrahydro-7,9-dimethyl-2,6-dioxo-1*H*-purinium hydroxide inner salt, *in* X-00002
▷Theobromine, T-00166
▷Theophylline, T-00169

$C_7H_8N_4S$
1,7-Dihydro-6*H*-purine-6-thione; 1,9-Di-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; 3,7-Di-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; 3,9-Di-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; *S*,3*N*-Di-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; *S*,7*N*-Di-Me, *in* D-00299
1,7-Dihydro-6*H*-purine-6-thione; *S*,9*N*-Di-Me, *in* D-00299
▷2-(3-Pyridinylmethylene)hydrazinecarbothioamide, *in* P-00569

$C_7H_8O_2$
▷2-Hydroxybenzyl alcohol, H-00116
▷4-Methoxyphenol, *in* B-00074
▷*m*-Methoxyphenol, *in* B-00073

$C_7H_8O_3$
5-Methoxy-1,3-benzenediol, *in* B-00076

$C_7H_8O_3S$
Benzenesulfonic acid; Me ester, *in* B-00075
▷4-Methylbenzenesulfonic acid, M-00228

$C_7H_8O_4$
Pyruvaldehyde; Di-Ac, *in* P-00600

$C_7H_8O_5S$
Hydroxymethoxybenzenesulfonic acid, H-00147

$C_7H_9AsN_2O_4$
▷Carbarsone, C-00043

$C_7H_9ClN_2O$
▷Pralidoxime chloride, *in* P-00395

$C_7H_9ClN_2O_4S_2$
Disulphamide, D-00543

C_7H_9ClO
▷Ethchlorvynol, E-00151

$C_7H_9ClO_6P_2S$
Tiludronic acid, T-00280

$C_7H_9FN_3O_2P$
▷Flurofamide, F-00220

$C_7H_9IN_2O$
▷Pralidoxime iodide, *in* P-00395

C_7H_9NO
▷4-Aminophenol; *N*-Me, *in* A-00298
4,6-Dimethyl-2(1*H*)-pyridinone, D-00451
3-Ethoxypyridine, *in* H-00209
▷4-Methoxyaniline, M-00195

$C_7H_9NO_2$
5-Amino-1,3-cyclohexadiene-1-carboxylic acid, A-00228
Dihydro-1*H*-pyrrolizine-3,5(2*H*,6*H*)-dione, D-00302
1-Hydroxy-4,6-dimethyl-2(1*H*)-pyridone, *in* D-00451
1*H*-Pyrrole-2-carboxylic acid; Et ester, *in* P-00596
1*H*-Pyrrole-2-carboxylic acid; *N*-Et, *in* P-00596

$C_7H_9NO_2S$
▷4-Methylbenzenesulfonic acid; Amide, *in* M-00228
2-Methyl-5-thiazolecarboxylic acid; Et ester, *in* M-00309
4-Methyl-5-thiazolecarboxylic acid; Et ester, *in* M-00310
2-Propyl-5-thiazolecarboxylic acid, P-00517

$C_7H_9NO_3$
Aloxidone, A-00143

$C_7H_9NO_3S$
4-Aminobenzenesulfonic acid; Me ester, *in* A-00213
4-(Methylamino)benzenesulfonic acid, *in* A-00213

$C_7H_9NO_4$
5-Oxo-2-pyrrolidinecarboxylic acid; Me ester, *N*-formyl, *in* O-00140

$C_7H_9N_2O^{\oplus}$
Pralidoxime(1+), P-00395

$C_7H_9N_3O$
2-Amino-3-pyridinecarboxylic acid; *N*-Me, amide, *in* A-00326
1*H*-Imidazo[1,2-*b*]pyrazole; 1-Acetyl, 2,3-dihydro, *in* I-00032
▷1-Phenylsemicarbazide, P-00207

$C_7H_9N_3O_2S_2$
Sulphathiourea, S-00257

$C_7H_9N_3O_3$
Orotic acid dimethylamide, *in* O-00061

$C_7H_9N_3O_3S$
▷Sulfanilylurea, S-00203

$C_7H_9N_3O_4S$
4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide, *in* I-00195

$C_7H_{10}AsNO_6S$
Phenarsone sulfoxylate, P-00146

$C_7H_{10}BrNO_6$
2-Bromo-2-nitro-1,3-propanediol; Di-Ac, *in* B-00310

$C_7H_{10}ClNS$
5-(3-Chloropropyl)-4-methylthiazole, C-00281

$C_7H_{10}ClN_3O_3$
▷Ornidazole, O-00058

$C_7H_{10}N_2$
2-Aminopyridine; *N*-Di-Me, *in* A-00325
2-Aminopyridine; *N*-Et, *in* A-00325

$C_7H_{10}N_2OS$
▷2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, D-00298
Olpimedone, O-00040

$C_7H_{10}N_2O_2S$
4-Aminobenzenesulfonic acid; *N*-Me, amide, *in* A-00213
▷Carbimazole, C-00051
Mafenide, M-00002
5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione; *S*-Et, *in* M-00119

$C_7H_{10}N_2O_4$
4-Amino-3-isoxazolidinone; *N*,*N*′-Di-Ac, *in* A-00277

$C_7H_{10}N_2O_5S_2$
▷Mesulfamide, M-00141

$C_7H_{10}N_2S$
6-Amino-4,5,6,7-tetrahydrobenzothiazole, A-00334

$C_7H_{10}N_4O_2S$
▷Sulphaguanidine, S-00240

$C_7H_{10}N_4O_4$
Bamnidazole, *in* M-00344
▷Etanidazole, E-00139

$C_7H_{10}O_6$
Methyl β-D-furanosidurono-6,3-lactone, *in* G-00059
Methyl α-D-glucofuranosidurono-6,3-lactone, *in* G-00059

$C_7H_{10}O_6S_3$
(Methylidynetrithio)triacetic acid, M-00262

$C_7H_{11}BrN_2O_2$
▷Bromacrylide, B-00281

$C_7H_{11}ClO_4$
▷3-Chloro-1,2-propanediol; Di-Ac, *in* C-00278

$C_7H_{11}Cl_3N_2O_2$
▷Trimorphamide, T-00518

$C_7H_{11}Cl_3O_4$
Penthrichloral, P-00096

$C_7H_{11}NO_2$
▷3-Ethyl-3-methyl-2,5-pyrrolidinedione, E-00207
Hypoglycin *A*, H-00224
▷Meparfynol carbamate, *in* M-00281
▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, T-00126

$C_7H_{11}NO_3$
5-Oxo-2-pyrrolidinecarboxylic acid; Et ester, *in* O-00140
▷Paramethadione, P-00024

$C_7H_{11}NO_4$
4-Hydroxy-2-pyrrolidinecarboxylic acid; *N*-Ac, *in* H-00210
Oxaceprol, *in* H-00210
4-Oxopentanoic acid; Oxime, *O*-Ac, *in* O-00134

$C_7H_{11}NO_4S$
Diacetylcysteine, *in* A-00031

$C_7H_{11}NO_6P_2$
Piridronic acid, P-00327

$C_7H_{11}N_2O_2S$
▷*p*-Toluenesulfonylhydrazine, *in* M-00228

$C_7H_{11}N_3$
N-(1-Methylethyl)-2-pyridinamine, *in* A-00325
4,5,6,7-Tetrahydro-2*H*-indazol-3-amine, T-00119

$C_7H_{11}N_3O$
N-Acetylhistamine, *in* H-00077

$C_7H_{11}N_3O_2$
▷2-Isopropyl-1-methyl-5-nitroimidazole, I-00209

$C_7H_{11}N_3O_3$
1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
Ternidazole, T-00094

$C_7H_{11}N_3O_4$
▷Misonidazole, M-00395

$C_7H_{12}N_2O_2$
Ectylurea, E-00011

$C_7H_{12}N_2O_4$
Aceglutamide, A-00012

$C_7H_{12}N_2S$
2-Aminothiazole; *N*-Di-Et, *in* A-00336

$C_7H_{12}N_4O_3$
Allantoin; 1,3,8-Tri-Me, *in* A-00123
Caffoline, *in* A-00123

$C_7H_{12}O_3S_2$
2,3-Dimercapto-1-propanol; 1,2-Di-Ac, *in* D-00385

$C_7H_{13}BrN_2O_2$
▷*N*-(2-Bromo-2-ethylbutanoyl)urea, B-00300

$C_7H_{13}BrO_2$
2-Bromo-2,2-diethylacetic acid; Me ester, *in* B-00297

$C_7H_{13}NO$
▷3-Quinuclidinol, Q-00035

$C_7H_{13}NO_2$
1-Aminocyclopentanecarboxylic acid; Me ester; B,HCl, *in* A-00230

$C_7H_{13}NO_3$
4-Hydroxy-2-pyrrolidinecarboxylic acid; Et ester, *in* H-00210

$C_7H_{13}NO_3S$
N-Acetylmethionine, A-00036
Acetylpenicillamine, *in* P-00064

$C_7H_{13}NO_3S_2$
Bucillamine, B-00337

$C_7H_{13}NO_4$
1-Nitro-2-pentanol; Ac, *in* N-00183

$C_7H_{13}NO_5S$
Cysteine; *S*-(3-Carboxy-3-hydroxypropyl), *in* C-00654

$C_7H_{13}NO_5S_2$
Cysteine; *S*-[(2-Carboxy-2-hydroxyethylthio)methyl], *in* C-00654

$C_7H_{13}O_3P$
Fosmenic acid, F-00256

$C_7H_{14}BrNO$
2-Bromo-2-ethyl-3-methylbutyramide, B-00301

$C_7H_{14}N_2O$
3-Aminopiperidine; *N*-Ac, *in* A-00314

$C_7H_{14}N_2O_3$
Ornithine; N^{α}-Ac, *in* O-00059
Ornithine; N^{δ}-Ac, *in* O-00059

$C_7H_{14}N_2O_6S$
N-(2-Sulfoethyl)-glutamine, S-00219

$C_7H_{14}N_3O_3P$
▷Uredepa, U-00012

$C_7H_{14}N_4$
▷*N*-Cyano-*N'*-(1,1-dimethylpropyl)guanidine, C-00581

$C_7H_{14}N_4S_2$
▷Methallibure, M-00165

$C_7H_{14}O_2$
1-Hydroxy-2-heptanone, H-00135

$C_7H_{14}O_3$
5,5-Dimethoxypentanal, *in* P-00090

$C_7H_{14}O_4$
2,3-*O*-Isopropylidene-D-threitol, *in* T-00219
2,3-*O*-Isopropylidene-L-threitol, *in* T-00219

$C_7H_{15}ClN_4O_4S$
Tauromustine, T-00033

$C_7H_{15}Cl_2N_2O_2P$
▷Cyclophosphamide, C-00634
▷Ifosfamide, I-00021

$C_7H_{15}N$
▷2,6-Dimethylpiperidine, D-00448

$C_7H_{15}NO_2$
4-Aminobutanoic acid; *N*-Di-Me, Me ester, *in* A-00221
▷Emylcamate, E-00042
▷Ethyl butylcarbamate, E-00176
Leucine; Me ester, *in* L-00029
6-Methylaminohexanoic acid, *in* A-00259

$C_7H_{15}NO_2S$
Methionine; Et ester, *in* M-00183
Penicillamine; Et ester; B,HCl, *in* P-00064

$C_7H_{15}NO_3$
Carnitine, C-00084

$C_7H_{15}NO_4$
2-Amino-2,6-dideoxyglucose; *N*-Me, *in* A-00240
1,5-Dideoxy-1,5-(methylimino)-D-glucitol, *in* T-00481

$C_7H_{15}NO_5$
2-Amino-2-deoxyglucose; *N*-Me, *in* A-00235

$C_7H_{15}N_2O^{\oplus}$
3-Cyano-2-hydroxy-*N*,*N*,*N*-trimethylpropanaminium, *in* C-00084

$C_7H_{15}O_4P$
Diethyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276

$C_7H_{16}BrNO$
Meprochol, *in* M-00216

$C_7H_{16}BrNO_2$
Acetylcholine(1+); Bromide, *in* A-00030

$C_7H_{16}ClNO_2$
▷Acetylcholine chloride, *in* A-00030

$C_7H_{16}INO_2$
▷Oxapropanium iodide, *in* O-00091

$C_7H_{16}NO^{\oplus}$
N-(2-Methoxy-2-propenyl)trimethylammonium(1+), M-00216

$C_7H_{16}NO_2^{\oplus}$
▷Acetylcholine(1+), A-00030
Oxapropanium(1+), O-00091

$C_7H_{16}N_2$
3-Aminopiperidine; N^1-Et, *in* A-00314
(Cyclohexylmethyl)hydrazine, C-00616

$C_7H_{16}N_2O$
2-(Pentylamino)acetamide, P-00106

$C_7H_{16}N_4O_2$
Arginine; Me ester; B,2HCl, *in* A-00441

$C_7H_{16}N_4O_4S_2$
Taurolidine, T-00032

$C_7H_{16}O_4S$
▷2,2-Bis(ethylsulfonyl)propane, B-00212

$C_7H_{17}ClN_2O_2$
▷Duvoid, *in* B-00143

$C_7H_{17}N$
▷2-Heptanamine, H-00030

$C_7H_{17}NO$
1-(Diethylamino)-2-propanol, *in* A-00318

$C_7H_{17}NO_5$
1-Deoxy-1-(methylamino)glucitol, D-00082

$C_7H_{17}N_2O_2^{\oplus}$
Bethanechol(1+), B-00143

$C_7H_{17}N_3O_3$
[2-[(2,3-Dihydroxypropyl)amino]-2-methylpropyl]urea, D-00352

$C_7H_{18}NO_2P$
[1-(Butylamino)-1-methylethyl]phosphinic acid, B-00427

$C_7H_{18}NO_8Sb$
▷Glucantime, *in* D-00082

$C_7H_{18}N_2O$
1,3-Diamino-2-propanol; *N*-Tetra-Me, *in* D-00135

$C_8H_3ClN_2O_7$
4,5-Dinitro-1,2-benzenedicarboxylic acid; Chloride, *in* D-00467

$C_8H_4BrNO_2$
▷5-Bromo-1*H*-indole-2,3-dione, B-00305

$C_8H_4Cl_6$
▷Hexachlorxylol, H-00041

$C_8H_4K_2O_{12}Sb_2$
▷Antimony potassium tartrate, A-00414

$C_8H_4N_2O_8$
4,5-Dinitro-1,2-benzenedicarboxylic acid, D-00467

$C_8H_4N_2S_2$
▷1,4-Diisothiocyanatobenzene, D-00369

$C_8H_5BrCl_6$
▷Bromocyclen, B-00295

$C_8H_5BrN_2O_2$
5-Bromo-1*H*-indole-2,3-dione; 3-Oxime, *in* B-00305

$C_8H_5ClN_2O_5$
2-Methyl-3,5-dinitrobenzoic acid; Chloride, *in* M-00246

$C_8H_5Cl_5O$
3,4-Dichloro-α-(trichloromethyl)benzyl alcohol, D-00204

$C_8H_5F_3N_2OS$
2-Amino-6-(trifluoromethoxy)benzothiazole, A-00339

$C_8H_5F_3O_3$
2-Hydroxy-4-(trifluoromethyl)benzoic acid, H-00215

$C_8H_5I_2NO_5$
Iodoxyl, I-00109

$C_8H_5NO_3$
▷2*H*-1,3-Benzoxazine-2,4(3*H*)-dione, B-00097

$C_8H_5N_3O_3S_2$
▷Tenonitrozole, T-00072

$C_8H_5N_3O_4$
1-Cyano-2-methyl-3,5-dinitrobenzene, *in* M-00246

$C_8H_6BrClO_2$
5-Bromo-2-hydroxy-3-methylbenzoic acid; Chloride, *in* B-00302

$C_8H_6Br_2O_3$
3,5-Dibromo-2-hydroxybenzoic acid; Me ester, *in* D-00165
3,5-Dibromo-2-methoxybenzoic acid, *in* D-00165

$C_8H_6ClNO_4$
2-Chloro-4-nitrobenzoic acid; Me ester, *in* C-00258

$C_8H_6Cl_2N_2O_3$
2,6-Dichloro-4-nitroaniline; *N*-Ac, *in* D-00196

$C_8H_6Cl_2O_2$
3-Chloro-6-hydroxy-4-methylbenzoic acid; Chloride, *in* C-00245

$C_8H_6Cl_3NO_2$
2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298

$C_8H_6F_3N_3O_4S_2$
▷Flumethiazide, F-00157

$C_8H_6F_3O_6P$
2-(Phosphonooxy)-4-(trifluoromethyl)benzoic acid, P-00218

$C_8H_6N_2O_2$
▷2-(2-Hydroxyphenyl)-1,3,4-oxadiazole, H-00192
▷Quinoxaline 1,4-dioxide, Q-00031

$C_8H_6N_2O_6$
3,5-Dinitrobenzoic acid; Me ester, *in* D-00468
▷2-Methyl-3,5-dinitrobenzoic acid, M-00246

$C_8H_6N_2S_3$
▷Oltipraz, O-00042

$C_8H_6N_4O_4S$
▷Nifurthiazole, N-00133

$C_8H_6N_4O_5$
▷Nitrofurantoin, N-00178

$C_8H_7BrO_3$
5-Bromo-2-hydroxy-3-methylbenzoic acid, B-00302

$C_8H_7Br_2NO_2$
2-Amino-4,6-dibromophenol; *N*-Ac, *in* A-00239

$C_8H_7ClN_2O_2S$
▷Diazoxide, D-00152

C_8H_7ClO
3-Methylbenzoic acid; Chloride, *in* M-00230

$C_8H_7ClO_2$
▷4-Chlorophenol; Ac, *in* C-00260
2-Hydroxy-3-methylbenzoic acid; Chloride, *in* H-00155
2-Methoxybenzoic acid; Chloride, *in* M-00196

$C_8H_7ClO_3$
3-Chloro-6-hydroxy-4-methylbenzoic acid, C-00245

$C_8H_7Cl_4N_3O_4S_2$
Teclothiazide, T-00047

$C_8H_7IN_2OS$
Rimoprogin, R-00059

C_8H_7N
▷1-Cyano-3-methylbenzene, *in* M-00230

C_8H_7NO
1-Cyano-2-methoxybenzene, *in* M-00196
2-Cyano-6-methylphenol, *in* H-00155

$C_8H_7NO_3$
2-Formamidobenzoic acid, *in* A-00215

$C_8H_7NO_3S$
Saccharin; *N*-Me, *in* S-00002

$C_8H_7NO_4$
N-Carboxy-4-aminobenzoic acid, C-00064

$C_8H_7NO_4S$
1,2-Benzisoxazole-3-methanesulfonic acid, B-00087

C_8H_7NS
▷Benzyl isothiocyanate, B-00122

$C_8H_7N_3$
2-Aminoquinoxaline, A-00332

$C_8H_7N_3O$
2-Aminoquinoxaline; 1-*N*-Oxide, *in* A-00332

$C_8H_7N_3O_5$
▷Furazolidone, F-00284
▷2-Methyl-3,5-dinitrobenzamide, *in* M-00246

C_8H_8AuNOS
Aurothioglycanide, A-00478

$C_8H_8BrCl_2O_2PS$
▷Bromophos, B-00316

$C_8H_8BrNO_2$
Brosotamide, *in* B-00302

$C_8H_8ClNO_2$
3-Amino-2-chlorobenzoic acid; Me ester; B,HCl, *in* A-00223
3-Amino-4-chlorobenzoic acid; Me ester, *in* A-00224
3-Chloro-6-hydroxy-4-methylbenzoic acid; Amide, *in* C-00245

$C_8H_8ClNO_3S$
▷*N*-Acetylsulfanilyl chloride, *in* A-00213

$C_8H_8Cl_2IO_3PS$
▷Iodofenphos, I-00104

$C_8H_8Cl_2N_4$
Guanabenz, G-00098

$C_8H_8Cl_2N_4O$
Biclodil, B-00153
Guanoxabenz, *in* G-00098

$C_8H_8Cl_2O$
▷2,4-Dichloro-3,5-dimethylphenol, D-00186

$C_8H_8Cl_3N_3O_4S_2$
Clorsulon, C-00503
▷Trichloromethiazide, T-00439

$C_8H_8Cl_3O_3PS$
▷Fenchlorphos, F-00039

$C_8H_8F_3N_3O_4S_2$
▷Hydroflumethiazide, H-00099

$C_8H_8HgO_2$
▷[(Acetato-*O*)phenylmercury], *in* H-00191

$C_8H_8N_2$
(4-Aminophenyl)acetic acid; Nitrile, *in* A-00299

$C_8H_8N_2O_3$
Nicotinuric acid, N-00104

$C_8H_8N_2O_3S$
Zonisamide, *in* B-00087

$C_8H_8N_2O_6$
Tartaric acid; Dinitrile, Di-Ac, *in* T-00028

$C_8H_8N_2S$
3-Amino-1,2-benzisothiazole; *N*-Me, *in* A-00214

$C_8H_8N_4$
▷1-Hydrazinophthalazine, H-00096

$C_8H_8N_4O_2S_2$
Sulfathiadiazole, S-00211

$C_8H_8N_4O_3S$
▷Thiofuradene, T-00200

$C_8H_8N_4O_4$
▷Nifuradene, N-00115

$C_8H_8N_4O_4S_3$
▷5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, P-00208

C_8H_8OS
Thiobenzoic acid; *O*-Me ester, *in* T-00193
Thiobenzoic acid; *S*-Me ester, *in* T-00193

$C_8H_8OS_2$
2-Hydroxydithiobenzoic acid; Me ester, *in* H-00127

$C_8H_8O_2$
2-Hydroxyacetophenone, H-00107
▷Methyl benzoate, *in* B-00092
▷3-Methylbenzoic acid, M-00230
▷Phenyl acetate, *in* P-00161

$C_8H_8O_2S$
▷2-Mercaptobenzoic acid; Me ester, *in* M-00114

$C_8H_8O_3$
▷3-Acetoxyphenol, *in* B-00073
1,4-Benzenediol; Mono-Ac, *in* B-00074
3-Hydroxy-4-methoxybenzaldehyde, *in* D-00311
▷4-Hydroxy-3-methoxybenzaldehyde, *in* D-00311
▷2-Hydroxy-3-methylbenzoic acid, H-00155
2-Methoxybenzoic acid, M-00196
▷Methyl 2-hydroxybenzoate, M-00261
▷Methyl 4-hydroxybenzoate, *in* H-00113

$C_8H_8O_3S$
4-(Methylsulfonyl)benzaldehyde, M-00306

$C_8H_8O_4$
2,5-Dihydroxybenzoic acid; Me ester, *in* D-00316
2,6-Dihydroxybenzoic acid; Me ester, *in* D-00317
▷2-Hydroxy-3-methoxybenzoic acid, *in* D-00315
2-Hydroxy-6-methoxybenzoic acid, *in* D-00317
3-Hydroxy-2-methoxybenzoic acid, *in* D-00315
5-Hydroxy-2-methoxybenzoic acid, *in* D-00316

$C_8H_8O_5S$
4-Sulfobenzoic acid; 1-Me ester, *in* S-00217
4-Sulfobenzoic acid; 4-Me ester, *in* S-00217

$C_8H_8O_6$
Tetrahydroxy-1,4-benzoquinone; 2,5-Di-Me ether, *in* T-00137

$C_8H_8O_7$
3,4-Diacetoxy-3,4-dihydro-2,5(2*H*,5*H*)-furandione, *in* T-00028

$C_8H_9AsBiNO_6$
▷Glycobiarsol, G-00069

$C_8H_9Br_2NO$
3,5-Dibromo-*o*-phenetidine, *in* A-00239

C_8H_9ClO
▷4-Chloro-3,5-dimethylphenol, C-00235
1-Chloro-4-ethoxybenzene, *in* C-00260
1-Chloro-4-methoxy-2-methylbenzene, *in* C-00256

$C_8H_9FN_2O_3$
▷Tegafur, T-00055

$C_8H_9FO_2S$
▷Ethyl 4-fluorophenyl sulfone, E-00191

$C_8H_9I_2NO_3$
N-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone, D-00353

C_8H_9NO
4-Aminobenzaldehyde; *N*-Me, *in* A-00210
m-Toluamide, *in* M-00230

C_8H_9NOS
Thiocarbamic acid; *S*-Benzyl ester, *in* T-00196

$C_8H_9NO_2$
▷3-Acetamidophenol, *in* A-00297
▷2-Aminobenzoic acid; Me ester, *in* A-00215
2-Aminobenzoic acid; *N*-Me, *in* A-00215
4-Aminobenzoic acid; *N*-Me, *in* A-00216
4-Aminobenzoic acid; Me ester, *in* A-00216
▷(4-Aminophenyl)acetic acid, A-00299
2-Amino-2-phenylacetic acid, A-00300
▷4-Hydroxyacetanilide, *in* A-00298
2-Hydroxyacetophenone; Oxime, *in* H-00107
2-Hydroxy-3-methylbenzamide, *in* H-00155
▷2-Methoxybenzoic acid; Amide, *in* M-00196

2-Methyl-4-pyridinecarboxylic acid; Me ester, *in* M-00303
3-Pyridinecarboxylic acid; Et ester, *in* P-00571
3-Pyridinecarboxylic acid; Et betaine, *in* P-00571
▷2-Pyridinemethanol; *O*-Ac, *in* P-00572

$C_8H_9NO_2S$
▷Oxisuran, O-00120

$C_8H_9NO_3$
2-Amino-5-hydroxybenzoic acid; Me ester, *in* A-00262
4-Amino-2-hydroxybenzoic acid; Me ester, *in* A-00264
5-Amino-2-hydroxybenzoic acid; Me ester, *in* A-00266
2-Amino-2-(4-hydroxyphenyl)acetic acid, A-00269
2-Amino-5-methoxybenzoic acid, *in* A-00262
▷3-Amino-4-methoxybenzoic acid, *in* A-00263
4-Amino-2-methoxybenzoic acid, *in* A-00264
5-Amino-2-methoxybenzoic acid, *in* A-00266
3,4-Dihydroxybenzaldehyde; 3-Me ether, oxime, *in* D-00311
3,4-Dihydroxybenzaldehyde; 4-Me ether, oxime, *in* D-00311
▷Orthocaine, *in* A-00263
Orthoform-old, *in* A-00265

$C_8H_9NO_5$
▷Clavulanic acid, C-00410

$C_8H_9N_3O_4$
Nicorandil, N-00102

$C_8H_9N_5$
3,5-Diamino-1*H*-1,2,4-triazole; 1-Ph, *in* D-00137

$C_8H_{10}AsNO_4$
3-Aminophenylarsonic acid; *N*-Ac, *in* A-00301

$C_8H_{10}AsNO_5$
▷Acetarsol, *in* A-00271

$C_8H_{10}BrNO_3S$
6-Bromopenicillanic acid, B-00311

$C_8H_{10}ClNO_2$
Ethchlorvynol; Carbamoyl deriv. (carbamate), *in* E-00151

$C_8H_{10}ClN_3S$
Tiamenidine, T-00236

$C_8H_{10}HgO_3S_2$
Thimerfonate, T-00191

$C_8H_{10}IN_3$
Iobenguane, I-00090

$C_8H_{10}NO_4Sb$
4′-Stibinoacetanilide, *in* A-00212

$C_8H_{10}NO_6P$
▷Pyridoxal phosphate, P-00579

$C_8H_{10}N_2OS$
3-(2-Thienyl)piperazinone, T-00188

$C_8H_{10}N_2O_2$
2-Amino-2-(4-hydroxyphenyl)acetic acid; Amide, *in* A-00269
2-Amino-3-pyridinecarboxylic acid; Et ester, *in* A-00326

$C_8H_{10}N_2O_3S$
▷Sulfacetamide, *in* A-00213

$C_8H_{10}N_2O_4$
Orotic acid; 1,3-Di-Me, Me ester, *in* O-00061

$C_8H_{10}N_2S$
▷2-Ethyl-4-pyridinecarbothioamide, E-00220

$C_8H_{10}N_4O_2$
▷Caffeine, C-00010
3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 1,5,7-Tri-Me, *in* P-00564
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 2,5,7-Tri-Me, *in* P-00564

$C_8H_{10}N_4O_4$
Nifursemizone, N-00131

$C_8H_{10}N_4O_5$
Allantoin; 1,3-Di-Ac, *in* A-00123
▷Nidroxyzone, N-00108

$C_8H_{10}N_6$
▷Dihydralazine, D-00277

$C_8H_{10}N_6S$
Zaltidine, Z-00004

$C_8H_{10}O$
▷2-Phenylethanol, P-00187

$C_8H_{10}O_2$
4-Ethoxyphenol, *in* B-00074
m-Ethoxyphenol, *in* B-00073
2-Methoxybenzyl alcohol, *in* H-00116
2-(Methoxymethyl)phenol, *in* H-00116

$C_8H_{10}O_3$
3,5-Dimethoxyphenol, *in* B-00076
2,2-Dimethyl-1,3,5-cyclohexanetrione, D-00427

$C_8H_{10}O_3S$
Benzenesulfonic acid; Et ester, *in* B-00075
▷4-Methylbenzenesulfonic acid; Me ester, *in* M-00228

$C_8H_{10}O_5$
3-Hydroxy-3-methylpentanedioic acid; Anhydride, Ac, *in* H-00170

$C_8H_{10}O_6$
1,4:6,3-Glucarodilactone; 2,5-Di-Me, *in* G-00053

$C_8H_{10}O_6S_2$
2,3-Dimercaptobutanedioic acid; Di-*S*-Ac, *in* D-00384

$C_8H_{10}O_8$
2-Acetoxytricarballylic acid, *in* C-00402
2,3-Di-*O*-acetyltartaric acid, *in* T-00028

$C_8H_{11}AsN_2O_4$
▷*N*-(Carbamoylmethyl)arsanilic acid, C-00041

$C_8H_{11}Cl_2N_3O_2$
▷5-[Bis(2-chloroethyl)amino]-2,4(1*H*,3*H*)-pyrimidinedione, B-00197

$C_8H_{11}Cl_3O_6$
Chloralose, C-00193

$C_8H_{11}NO$
▷2-Amino-1-phenylethanol, A-00304
▷4-Ethoxyaniline, E-00161
3-Hydroxydimethylaniline, *in* A-00297
▷4-Hydroxydimethylaniline, *in* A-00298
▷2-(2-Methoxyethyl)pyridine, M-00199
4-Methoxy-*N*-methylaniline, *in* M-00195
1,4,6-Trimethyl-2(1*H*)-pyridinone, *in* D-00451

$C_8H_{11}NOS$
Ristianol, R-00064

$C_8H_{11}NO_2$
▷2-Amino-1-(3-hydroxyphenyl)ethanol, A-00272
▷Dopamine, D-00579
2-Methylpropyl 2-cyano-2-propenoate, M-00300
▷Octopamine, O-00022

$C_8H_{11}NO_3$
▷5-(2-Aminoethyl)-1,2,4-benzenetriol, A-00255
Noradrenaline, N-00208
▷Pyridoxine, P-00582

$C_8H_{11}NO_3S$
4-Aminobenzenesulfonic acid; *N*-Et, *in* A-00213
▷4-Aminobenzenesulfonic acid; *N*-Di-Me, *in* A-00213
Penicillanic acid, P-00065

$C_8H_{11}NO_4$
5-Oxo-2-pyrrolidinecarboxylic acid; Me ester, *N*-Ac, *in* O-00140
5-Oxo-2-pyrrolidinecarboxylic acid; Me ester, *N*-benzoyl, *in* O-00140

$C_8H_{11}NO_4S_2$
Erdosteine, E-00100

$C_8H_{11}NO_5S$
Sulbactam, *in* P-00065

$C_8H_{11}N_2O_6P$
Pyridoxal phosphate; Oxime, *in* P-00579

$C_8H_{11}N_3O$
1-Phenylsemicarbazide; 4-Me, *in* P-00207

$C_8H_{11}N_3O_3$
5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *N*-Ac, *in* A-00275

$C_8H_{11}N_3O_4$
N-Acetyl-6-diazo-5-oxo-L-norleucine, *in* A-00238

$C_8H_{11}N_3O_6$
▷6-Azauridine, A-00514

$C_8H_{11}N_5O_2$
Desciclovir, *in* A-00060

$C_8H_{11}N_5O_3$
▷Acyclovir, A-00060

$C_8H_{11}N_5O_5S$
Satranidazole, S-00028

$C_8H_{11}N_7S$
▷Ambazone, A-00166

$C_8H_{12}Cl_2N_6O$
▷Imidazole mustard, I-00030

$C_8H_{12}NO_3Sb$
p-Dimethylaminobenzenestibonic acid, *in* A-00212

$C_8H_{12}NO_5PS_2$
▷*O,O*-Dimethyl *O*-4-sulfamoylphenyl phosphorothioate, D-00453

$C_8H_{12}NO_6P$
Pyridoxin 5′-phosphate, *in* P-00582

$C_8H_{12}N_2$
▷2-(2-Methylaminoethyl)pyridine, M-00220
▷1-Phenylethylhydrazine, P-00188
▷(2-Phenylethyl)hydrazine, P-00189

$C_8H_{12}N_2O_2$
Pyridoxamine, P-00580

$C_8H_{12}N_2O_3$
1,3-Diethylbarbituric acid, *in* P-00586
▷5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00256
Pentizidone, P-00100

$C_8H_{12}N_2O_3S$
▷6-Aminopenicillanic acid, A-00295

$C_8H_{12}N_2O_4S$
6-Aminopenicillanic acid; 4-Oxide, *in* A-00295
▷Pralidoxime mesylate, *in* P-00395

$C_8H_{12}N_2S$
4,5,6,7-Tetrahydro-*N*-methyl-6-benzothiazolamine, *in* A-00334

$C_8H_{12}N_3O_2P$
Tolfamide, T-00348

$C_8H_{12}N_4O_3S$
▷Carnidazole, C-00083

$C_8H_{12}N_4O_4$
2′-Deoxy-5-azacytidine, D-00077

$C_8H_{12}N_4O_5$
▷5-Azacytidine, A-00496
Fazarabine, F-00020
▷Tribavirin, T-00426

$C_8H_{12}N_5OP$
▷Phosphemide, P-00214

$C_8H_{12}O$
▷1-Ethynylcyclohexanol, E-00228

$C_8H_{12}O_2$
3-Methyl-1-pentyn-3-ol; Ac, *in* M-00281

$C_8H_{12}O_3$
3-Ethyl-3-methylpentanedioic acid; Anhydride, *in* E-00203

$C_8H_{12}O_5$
1,4:3,6-Dianhydroglucitol; 2-Ac, 5-tosyl, *in* D-00144
1,4:3,6-Dianhydroglucitol; 5-Ac, 2-tosyl, *in* D-00144

$C_8H_{12}O_6$
Ascorbic acid; 2,3-Di-Me, *in* A-00456

$C_8H_{13}NO_2$
▷Arecoline, *in* T-00126
2-(1-Aziridinyl)-1-vinylethanol; Ac, *in* A-00527
▷4-Ethyl-4-methyl-2,6-piperidinedione, *in* E-00203

$C_8H_{13}NO_3$
1-Aminocyclopentanecarboxylic acid; *N*-Ac, *in* A-00230
▷Diethadione, D-00226

$C_8H_{13}NO_4$
4-Hydroxy-2-pyrrolidinecarboxylic acid; *N*-Ac, Me ester, *in* H-00210

$C_8H_{13}N_2O_5P$
Pyridoxamine 5′-phosphate, P-00581

$C_8H_{13}N_3O_4S$
▷Tinidazole, T-00293

$C_8H_{13}N_3O_5S$
Mertiatide, M-00129

$C_8H_{14}Cl_3O_5P$
▷Butonate, B-00413

$C_8H_{14}INO$
▷Furtrethonium iodide, *in* F-00282

$C_8H_{14}NO^{\oplus}$
N,N,N-Trimethyl-2-furanmethanaminium(1+), *in* F-00282

$C_8H_{14}N_2O_2$
Etiracetam, E-00240
Fumaric acid; Bis(dimethylamide), *in* F-00274
▷Piperazine; *N,N′*-Di-Ac, *in* P-00285

$C_8H_{14}N_2O_4Pt$
Oxaliplatin, O-00080

$C_8H_{14}N_5OPS$
Azetepa, A-00517

$C_8H_{14}O_2S_2$
▷α-Lipoic acid, L-00053

$C_8H_{14}O_3S_2$
β-Lipoic acid, *in* L-00053

$C_8H_{14}O_4$
3-Ethyl-3-methylpentanedioic acid, E-00203
Tartaric acid; Mono-*tert*-butyl ester, *in* T-00028
Tartaric acid; Mono-*tert-butyl ether*, *in* T-00028

$C_8H_{14}O_4S$
Mercaptobutanedioic acid; Di-Et ester, *in* M-00115
▷2,2′-Thiobisethanol; Di-Ac, *in* T-00195

$C_8H_{14}O_4S_2$
2,3-Dimercaptobutanedioic acid; Di-*S*-Me, di-Me ester, *in* D-00384

$C_8H_{14}O_6$
Diethyl tartrate, *in* T-00028
2,3:4,5-Di-*O*-methylene-D-mannitol, *in* M-00018

$C_8H_{15}ClO$
2-Ethyl-3-methylpentanoic acid; Chloride, *in* E-00204
Octanoic acid; Chloride, *in* O-00014

$C_8H_{15}Cl_3O_3$
Chlorhexadol, C-00205

$C_8H_{15}N$
▷3-Azabicyclo[3.2.2]nonane, A-00491
4-Cyanoheptane, *in* P-00516
▷Octanenitrile, *in* O-00014

$C_8H_{15}NO_2$
4-(Aminomethyl)cyclohexanecarboxylic acid, A-00281
▷Oxanamide, O-00085

$C_8H_{15}NO_2S$
▷Prenisteine, P-00420

$C_8H_{15}NO_3$
CY 168*E*, *in* A-00259
Leucine; *N*-Ac, *in* L-00029

$C_8H_{15}NO_3S$
Tizabrin, T-00329

$C_8H_{15}NO_5$
2-Acetamido-2,6-dideoxy-D-glucose, *in* A-00240
2-Acetamido-2,6-dideoxy-L-glucose, *in* A-00240

$C_8H_{15}NO_6$
Methyl 4-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058
Methyl 4-*O*-methyl-β-D-glucopyranosiduronamide, *in* G-00058

$C_8H_{15}N_3O_7$
▷Streptozotocin, S-00164

$C_8H_{15}N_5O$
Pildralazine, P-00251

$C_8H_{15}N_5O_2$
Oxdralazine, O-00100

$C_8H_{15}N_7O_2S_3$
▷Famotidine, F-00013

$C_8H_{16}ClN_3O_2$
Pentamustine, P-00089

$C_8H_{16}N_2O_2$
Leucine; *N*-Ac, amide, *in* L-00029

$C_8H_{16}N_2O_4$
Pentabamate, *in* M-00279

$C_8H_{16}N_6OS_2$
▷Gloxazone, G-00050

$C_8H_{16}O_2$
2-Ethyl-3-methylpentanoic acid, E-00204
▷Octanoic acid, O-00014
▷2-Propylpentanoic acid, P-00516

$C_8H_{16}O_3$
1-(2-Hydroxyethyl)-1,4-cyclohexanediol, H-00131
Isorengyol, *in* H-00131

$C_8H_{16}O_6$
4,6-*O*-Ethylidene-D-glucitol, *in* G-00054
D-(−)-Liriodendritol, *in* I-00074

$C_8H_{16}O_7$
Ethyl D-gluconate, *in* G-00055

$C_8H_{17}N$
2-Amino-1-cyclopentylpropane, A-00232
6-Methyl-5-hepten-2-amine, M-00256
1,2,6-Trimethylpiperidine, *in* D-00448

$C_8H_{17}NO$
▷Axiquel, *in* E-00204
Octanoic acid; Amide, *in* O-00014
▷2,2,6-Trimethyl-4-piperidinol, T-00511
Valpromide, *in* P-00516

$C_8H_{17}NO_2$
6-Aminohexanoic acid; Et ester, *in* A-00259
6-(Dimethylamino)hexanoic acid, *in* A-00259
Leucine; Et ester, *in* L-00029

$C_8H_{17}NO_3$
Carnitine; Me ether, *in* C-00084

$C_8H_{17}NO_5$
Ethyl β-D-glucosaminide, *in* A-00235
Miglitol, M-00373

$(C_8H_{17}N_5)_x$
Polihexanide, P-00381

$C_8H_{18}BrNO_2$
Methacholine bromide, *in* M-00160

$C_8H_{18}ClNO_2$
▷Carpronium chloride, *in* C-00100
Methacholine chloride, *in* M-00160

$C_8H_{18}ClN_2O_5PS$
▷Sufosfamide, S-00178

$C_8H_{18}INO_2$
1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; *O*-Ac, iodide, *in* H-00217
Methacholine(1+); Iodide, *in* M-00160

$C_8H_{18}NO_2^{\oplus}$
Carpronium(1+), C-00100
▷Methacholine(1+), M-00160

$C_8H_{18}NO_3^{\oplus}$
Lactoylcholine, L-00004

$C_8H_{18}N_2O_4PtS$
Spiroplatin, S-00126

$C_8H_{18}O_3$
1-*tert*-Butoxy-3-methoxy-2-propanol, B-00422

$C_8H_{18}O_4S_2$
▷2,2-Bis(ethylsulfonyl)butane, B-00211

$C_8H_{19}N$
▷6-Methyl-2-heptylamine, M-00257

$C_8H_{19}NO$
1-Amino-2-propanol; *N*,*N*-Di-Et, Me ether, *in* A-00318
Heptaminol, H-00029

$C_8H_{19}NO_6S_2$
▷Improsulfan, *in* I-00037

$C_8H_{19}NS$
▷2-Aminoethanethiol; *N*-Diisopropyl, *in* A-00252

$C_8H_{19}N_5$
Etoformin, E-00251

$C_8H_{20}BrN$
▷Tetrylammonium bromide, *in* T-00111

$C_8H_{20}ClN$
▷Etamon chloride, *in* T-00111

$C_8H_{20}FN$
Tetraethylammonium(1+); Fluoride, *in* T-00111

$C_8H_{20}N^{\oplus}$
▷Tetraethylammonium(1+), T-00111

$C_8H_{20}NO_3PS$
O,*O*-Diethyl *S*-(2-dimethylaminoethyl) phosphorothioate, D-00242

$C_8H_{20}NO_6P$
Choline; Theophylline salt (1:1), *in* C-00308

$C_8H_{20}N_2$
(1-Methylheptyl)hydrazine, M-00258

$C_8H_{20}O_7P_2$
▷Tetraethyl pyrophosphate, T-00112

$C_8H_{21}NO$
▷Tetraethylammonium(1+); Hydroxide, *in* T-00111

$C_9F_{21}N$
Heneicosafluorotripropylamine, H-00025

$C_9H_4Cl_3IO$
▷Haloprogin, H-00018

$C_9H_5Br_2NO$
▷5,7-Dibromo-8-hydroxyquinoline, D-00167

C_9H_5ClINO
▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244

$C_9H_5Cl_2NO$
5,7-Dichloro-8-hydroxyquinoline, D-00190

$C_9H_5Cl_2NO_2$
5,7-Dichloro-8-hydroxyquinoline; 1-Oxide, *in* D-00190

$C_9H_5Cl_3N_2O_2S$
Clotioxone, C-00510

$C_9H_5I_2NO$
▷5,7-Diiodo-8-quinolinol, D-00364

$C_9H_6BrNO_2$
▷5-Bromo-1*H*-indole-2,3-dione; *N*-Me, *in* B-00305

C_9H_6ClNO
▷5-Chloro-8-hydroxyquinoline, C-00249
7-Chloro-8-hydroxyquinoline, C-00250

$C_9H_6ClNO_2$
5-Chloro-8-hydroxyquinoline; 1-Oxide, *in* C-00249

$C_9H_6INO_4S$
▷8-Hydroxy-7-iodo-5-quinolinesulfonic acid, H-00143

$C_9H_6I_3NO_3$
▷Acetrizoic acid, *in* A-00340

$C_9H_6N_2O_3$
▷8-Hydroxy-5-nitroquinoline, H-00182

$C_9H_6N_2O_8$
4,5-Dinitro-1,2-benzenedicarboxylic acid; Mono-Me ester, *in* D-00467

$C_9H_6O_2$
3*a*,4,7,7*a*-Tetrahydro-4,7-methanoisobenzofuran-1,3-dione, *in* B-00157

$C_9H_6O_3$
▷7-Hydroxy-2*H*-1-benzopyran-2-one, H-00114

$C_9H_7BrO_2$
▷3-(3-Bromophenyl)-2-propenoic acid, B-00314

$C_9H_7Br_3O_2$
2,2,2-Tribromoethanol; Benzoyl, *in* T-00428

$C_9H_7Cl_2N_5$
3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine, D-00125
Irsogladine, I-00173

$C_9H_7I_2NO_3$
Diohippuric acid, D-00470

C_9H_7N
▷Isoquinoline, I-00210

C_9H_7NO
▷8-Hydroxyquinoline, H-00211
Isoquinoline; Oxide, *in* I-00210

$C_9H_7NO_2$
▷8-Hydroxyquinoline; *N*-Oxide, *in* H-00211
▷1-Methylisatin, M-00264

$C_9H_7N_3O_4S_2$
Nitrosulfathiazole, N-00187

$C_9H_7N_5O_3$
▷Furalazine, F-00280

$C_9H_7N_7O_2S$
▷Azathioprine, A-00513

$C_9H_8Br_2O_3$
3,5-Dibromo-2-hydroxybenzoic acid; Et ester, *in* D-00165
3,5-Dibromo-2-hydroxybenzoic acid; Me ether, Me ester, *in* D-00165

$C_9H_8ClNO_3$
3-Amino-2-chlorobenzoic acid; *N*-Ac, *in* A-00223
3-Amino-4-chlorobenzoic acid; *N*-Ac, *in* A-00224

$C_9H_8ClNS_2$
Nimidane, N-00148

$C_9H_8ClN_3O_3S$
Furazolium chloride, *in* F-00285

$C_9H_8ClN_5$
▷*N*-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, C-00275

$C_9H_8ClN_5O$
Cloguanamil, C-00464

$C_9H_8ClN_5S$
Tizanidine, T-00330

$C_9H_8Cl_2N_2O$
Clidafidine, C-00424

$C_9H_8Cl_2N_6$
Nebidrazine, N-00056

$C_9H_8INO_3$
(2-Iodobenzoyl)aminoacetic acid, I-00101

$C_9H_8N_2O$
5-Methyl-1,6-naphthyridin-2(1*H*)-one, M-00272

$C_9H_8N_2O_2$
▷2-Amino-5-phenyl-4(5*H*)-oxazolone, A-00306
1-Methylisatin; 2-Oxime, *in* M-00264

$C_9H_8N_2O_6$
3,5-Dinitrobenzoic acid; Et ester, *in* D-00468
2-Methyl-3,5-dinitrobenzoic acid; Me ester, *in* M-00246

$C_9H_8N_2S$
2-Aminothiazole; *N*-Phenyl, *in* A-00336

$C_9H_8N_2S_2$
Antienite, A-00413

$C_9H_8N_3O_3S^{\oplus}$
Furazolium(1+), F-00285

$C_9H_8N_4O_6$
Nifurtoinol, N-00135

$C_9H_8N_6O_3S$
4-Amino-2-methyl-*N*′-(5-nitro-2-thiazolyl)-5-pyrimidinecarboxamide, A-00286

$C_9H_8N_8O_2S$
▷Thiamiprine, T-00178

C_9H_8O
1-Phenyl-2-propyn-1-ol, P-00204

$C_9H_8O_3S$
▷Thioaspirin, *in* M-00114

$C_9H_8O_4$
▷2-Acetoxybenzoic acid, A-00026
4-Acetoxybenzoic acid, *in* H-00113

$C_9H_8O_5$
3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid, T-00480

$C_9H_9BrFN_3$
Romifidine, R-00082

$C_9H_9BrO_3$
5-Bromo-2-hydroxy-3-methylbenzoic acid; Me ester, *in* B-00302

$C_9H_9ClN_2O$
5-(4-Chlorophenyl)-4,5-dihydro-2-oxazolamine, C-00263

$C_9H_9ClN_2O_3$
Benurestat, B-00070

C_9H_9ClO
▷7-Chloro-4-indanol, C-00252

$C_9H_9ClO_2$
4-Chloro-3-methylphenol; Ac, *in* C-00256

$C_9H_9ClO_3$
3-Chloro-6-hydroxy-4-methylbenzoic acid; Me ester, *in* C-00245
3-Chloro-6-methoxy-4-methylbenzoic acid, *in* C-00245

$C_9H_9Cl_2NO_2$
Diloxanide, D-00372

$C_9H_9Cl_2NO_4S$
4-[(Dichloroamino)sulfonyl]benzoic acid; Et ester, *in* D-00179

$C_9H_9Cl_2N_3$
Clonidine, C-00477

$C_9H_9Cl_2N_3O$
Guanfacine, G-00103

$C_9H_9HgNaO_2S$
▷Thiomersal, *in* E-00198

$C_9H_9I_2NO_3$
3,5-Diiodotyrosine, D-00365

$C_9H_9NO_2$
4-Aminobenzaldehyde; *N*-Ac, *in* A-00210
3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *in* B-00157

$C_9H_9NO_3$
Acedoben, *in* A-00216
2-Acetamidobenzoic acid, *in* A-00215
▷*N*-Acetyl-2-hydroxybenzamide, A-00033

▷Adrenochrome, A-00077
3-Pyridinemethanol; Ac,*N*-Oxide, *in* P-00573

$C_9H_9NO_3S$
Saccharin; *N*-Et, *in* S-00002

$C_9H_9NO_6$
Hydroxypyridine tartrate, *in* H-00209

$C_9H_9N_3O$
1-Methylisatin; 3-Hydrazone, *in* M-00264

$C_9H_9N_3O_2S_2$
▷Sulphathiazole, S-00256
Thiazolsulfone, T-00185

$C_9H_9N_3O_5$
Furmethoxadone, F-00293

$C_9H_9N_3S$
▷2,4-Diamino-5-phenylthiazole, D-00134

$C_9H_9N_5$
Amanozine, A-00162

$C_9H_{10}ClNO$
4-(Dimethylamino)benzoic acid; Chloride, *in* D-00405

$C_9H_{10}ClNO_2$
2-Amino-3-(4-chlorophenyl)propanoic acid, A-00226

$C_9H_{10}Cl_2N_4$
Aganodine, A-00083
Apraclonidine, A-00427

$C_9H_{10}FN_3O_4$
▷Flurocitabine, F-00219

$C_9H_{10}HgO_2S$
Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198

$C_9H_{10}INO_3$
2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, A-00276

$C_9H_{10}N_2$
4-Dimethylaminobenzonitrile, *in* D-00405

$C_9H_{10}N_2O$
▷2-Amino-4,5-dihydro-5-phenyloxazole, A-00246

$C_9H_{10}N_2O_2$
▷(Phenylacetyl)urea, P-00176

$C_9H_{10}N_2O_2S$
Sulbenox, S-00182

$C_9H_{10}N_2O_2S_2$
Aureothricin, A-00477

$C_9H_{10}N_2O_3$
N-(4-Aminobenzoyl)glycine, A-00217
2-Amino-3-pyridinecarboxylic acid; Me ester, *N*-Ac, *in* A-00326
Olmidine, O-00039

$C_9H_{10}N_2O_3S_2$
▷6-Ethoxy-2-benzothiazolesulfonamide, E-00162

$C_9H_{10}N_2O_4$
2-Amino-2-(4-hydroxyphenyl)acetic acid; *N*-Carbamoyl, *in* A-00269

$C_9H_{10}N_2S$
3-(Ethylamino)-1,2-benzisothiazole, *in* A-00214

$C_9H_{10}N_4O_2S_2$
▷Sulphamethizole, S-00243

$C_9H_{10}N_4O_3S_2$
Sulfametrole, S-00199

$C_9H_{10}N_4O_4$
Acefylline, A-00011
▷Nifurimide, N-00122

$C_9H_{10}O$
▷2-Propenyloxybenzene, *in* P-00161

$C_9H_{10}OS$
Thiobenzoic acid; *O*-Et ester, *in* T-00193
Thiobenzoic acid; *S*-Et ester, *in* T-00193

$C_9H_{10}O_2$
▷Ethyl benzoate, *in* B-00092
▷1-(4-Hydroxyphenyl)-1-propanone, H-00193
2-Methoxyacetophenone, *in* H-00107
3-Methylbenzoic acid; Me ester, *in* M-00230

$C_9H_{10}O_3$
2-Ethoxybenzoic acid, *in* H-00112
4-Ethoxybenzoic acid, *in* H-00113
▷3-Ethoxy-4-hydroxybenzaldehyde, *in* D-00311
▷Ethylparaben, *in* H-00113
▷Ethyl salicylate, *in* H-00112
2-Hydroxy-3-methylbenzoic acid; Me ester, *in* H-00155
2-Methoxybenzoic acid; Me ester, *in* M-00196
2-Methoxy-3-methylbenzoic acid, *in* H-00155

$C_9H_{10}O_4$
Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, B-00157
Carolic acid, C-00086
2,3-Dihydroxybenzoic acid; 2-Me ether, Me ester, *in* D-00315
2,3-Dihydroxybenzoic acid; 3-Me ether, Me ester, *in* D-00315
2,5-Dihydroxybenzoic acid; Et ester, *in* D-00316
Glycol salicylate, *in* H-00112
Methoxymethyl salicylate, *in* H-00112
▷1-(2,4,6-Trihydroxyphenyl)-1-propanone, T-00479

$C_9H_{10}O_5S$
4-Sulfobenzoic acid; Di-Me ester, *in* S-00217

$C_9H_{11}BrN_2O_5$
▷5-Bromo-2′-deoxyuridine, B-00296

$C_9H_{11}ClN_2O_3S$
▷4-Chloro-*N*-methyl-3-[(methylamino)sulfonyl]benzamide, C-00255

$C_9H_{11}ClO_3$
▷3-(4-Chlorophenoxy)-1,2-propanediol, C-00261

$C_9H_{11}Cl_2N_3O_4S_2$
▷Methyclothiazide, M-00218

$C_9H_{11}Cl_3NO_3PS$
▷Chlorpyrifos, C-00301

$C_9H_{11}FIN_3O_4$
Fiacitabine, F-00101

$C_9H_{11}FN_2O_5$
▷2′-Deoxy-5-fluorouridine, D-00079
Doxifluridine, D-00595

$C_9H_{11}IN_2O_5$
▷2′-Deoxy-5-iodouridine, D-00081

$C_9H_{11}N$
2-Phenylcyclopropylamine, P-00186
▷1,2,3,4-Tetrahydroisoquinoline, T-00120

$C_9H_{11}NO$
4-Aminobenzaldehyde; *N*-Et, *in* A-00210
2-Amino-1-phenyl-1-propanone, A-00309

$C_9H_{11}NO_2$
▷*p*-Acetanisidide, *in* M-00195
▷2-Aminobenzoic acid; Et ester, *in* A-00215
2-Aminobenzoic acid; *N*-Et, *in* A-00215
▷4-Aminobenzoic acid; *N*-Di-Me, *in* A-00216
4-Aminobenzoic acid; *N*-Et, *in* A-00216
4-Aminophenol; *N*-Me, Ac, *in* A-00298
2-Amino-2-phenylacetic acid; Me ester; B,HCl, *in* A-00300
▷Benzocaine, *in* A-00216
▷4-(Dimethylamino)benzoic acid, D-00405
▷2-Ethoxybenzamide, *in* H-00112
▷2-(3,4-Methylenedioxyphenyl)ethylamine, M-00253
2-Methyl-4-pyridinecarboxylic acid; Et ester, *in* M-00303
Parapropamol, P-00029

$C_9H_{11}NO_3$
▷Adrenalone, A-00076
2-Amino-5-hydroxybenzoic acid; Et ester, *in* A-00262
▷4-Amino-2-hydroxybenzoic acid; Et ester, *in* A-00264
4-Amino-3-hydroxybenzoic acid; Et ester, *in* A-00265
5-Amino-2-hydroxybenzoic acid; Et ester, *in* A-00266
2-Amino-2-(4-hydroxyphenyl)acetic acid; Me ether, *in* A-00269

Anaesthaminol, *in* A-00263
▷Styramate, S-00169

$C_9H_{11}NO_4$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-00248
2,5-Dihydroxyphenylalanine, D-00344
Forfenimex, F-00243

$C_9H_{11}N_3O_2$
1-Phenylsemicarbazide; 1-Ac, *in* P-00207

$C_9H_{11}N_3O_4$
▷Cyclocytidine, C-00600

$C_9H_{11}N_5O_3$
Biopterin, B-00172

$C_9H_{11}N_5O_4$
3′-Azido-2′,3′-dideoxyuridine, A-00521
Eritadenine, E-00110

$C_9H_{11}O_5P$
Phosphonoacetic acid; Benzyl ester, *in* P-00215

$C_9H_{12}ClN_3O_3S$
Alipamide, A-00121

$C_9H_{12}ClN_3O_4$
5′-Chloro-5′-deoxyarabinosylcytosine, C-00226

$C_9H_{12}ClN_3O_4S_2$
Ethiazide, E-00153

$C_9H_{12}ClN_5O$
Moxonidine, M-00468

$C_9H_{12}Cl_2N_4$
Guanclofine, G-00101

$C_9H_{12}Cl_2N_4O$
Guanochlor, G-00114

$C_9H_{12}FN_2O_8P$
FUDRP, *in* D-00079

$C_9H_{12}IN_3O_4$
Ibacitabine, I-00001

$C_9H_{12}NO_5P$
[(4-Nitrophenyl)methyl]phosphonic acid; Di-Me ester, *in* N-00185

$C_9H_{12}NO_5PS$
▷Fenitrothion, F-00057

$C_9H_{12}NO_6P$
2-Amino-3-[(hydroxyphenoxyphosphinyl)oxy]propanoic acid, *in* P-00220

$C_9H_{12}N_2O$
4-(Dimethylamino)benzoic acid; Amide, *in* D-00405

$C_9H_{12}N_2O_2$
2-Amino-3-pyridinecarboxylic acid; *N*-Me, Et ester, *in* A-00326
3-(α-Methylbenzyl)carbazic acid, M-00233

$C_9H_{12}N_2O_3$
5-Allyl-5-ethylbarbituric acid, A-00129

$C_9H_{12}N_2O_5S$
Sulocarbilate, S-00230
▷Tiazofurine, T-00246

$C_9H_{12}N_2O_5Se$
2-Ribofuranosyl-4-selenazolecarboxamide, R-00039

$C_9H_{12}N_2S$
▷Prothionamide, P-00535

$C_9H_{12}N_3O_7P$
Cytidine 2′,3′-phosphate, C-00656

$C_9H_{12}N_4O_2$
1-Phenylsemicarbazide; 4-Et, 1-nitroso, *in* P-00207

$C_9H_{12}N_4O_3$
▷Etofylline, E-00253

$C_9H_{12}N_6$
▷Tretamine, T-00416

$C_9H_{12}N_6O_4$
2-Azaadenosine, A-00490

$C_9H_{12}O$
Isopropyl phenyl ether, *in* P-00161
▷1-Methoxy-2-phenylethane, *in* P-00187
▷3-Phenyl-1-propanol, P-00201

$C_9H_{12}O_2$
1-Ethoxy-3-methoxybenzene, *in* B-00073
1-Ethoxy-4-methoxybenzene, *in* B-00074
1-Methoxy-2-(methoxymethyl)benzene, *in* H-00116
2-Phenyl-1,3-propanediol, P-00200

$C_9H_{12}O_3$
5-Methoxy-6,6-dimethoxy-4-cyclohexene-1,3-dione, *in* D-00427
▷1,3,5-Trimethoxybenzene, *in* B-00076

$C_9H_{12}O_3S$
▷4-Methylbenzenesulfonic acid; Et ester, *in* M-00228

$C_9H_{12}O_{10}$
5,6-*O*-Isopropylidene-L-*threo*-hex-2-enono-1,4-lactone, *in* A-00456

$C_9H_{13}BrN_2O_2$
▷Pyridostigmine bromide, *in* P-00578

$C_9H_{13}ClNO_3P$
Phaclofen, P-00134

$C_9H_{13}ClN_6O_2$
Nimustine, N-00151

$C_9H_{13}N$
▷1-Phenyl-2-propylamine, P-00202
▷2-Phenyl-1-propylamine, P-00203

$C_9H_{13}NO$
2-Amino-1-phenyl-1-propanol, A-00308
3-Amino-1-propanol; *N*-Ph, *in* A-00319
3-(2-Aminopropyl)phenol, A-00321
4-(2-Aminopropyl)phenol, A-00322
4-Dimethylaminanisole, *in* A-00298
3-Dimethylaminoanisole, *in* A-00297
▷*N*-Methylphenacetin, *in* E-00161

$C_9H_{13}NO_2$
2-Amino-1-(3-hydroxyphenyl)ethanol; *N*-Me, *in* A-00272
2-Amino-1-(3-hydroxyphenyl)ethanol; 3-Me ether; B,HCl, *in* A-00272
2-Amino-1-(3-hydroxyphenyl)-1-propanol, A-00274
▷3,3-Diethyl-2,4(1*H*,3*H*)-pyridinedione, D-00255
Epinine, E-00081
▷Ethinamate, E-00154
▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272
4-Methoxy-β-hydroxyphenethylamine, *in* O-00022
▷Synephrine, S-00286

$C_9H_{13}NO_3$
▷Adrenaline, A-00075
2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol, A-00249
▷5-Hydroxy-4-(methoxymethyl)-6-methyl-3-pyridinemethanol, *in* P-00582
Pyridoxine; 5-Me ether, *in* P-00582

$C_9H_{13}NO_4$
Anticapsin, A-00412

$C_9H_{13}N_2O_2^{\oplus}$
▷Pyridostigmine(1+), P-00578

$C_9H_{13}N_3O$
▷Iproniazid, I-00161
1-Phenylsemicarbazide; 4-Et, *in* P-00207

$C_9H_{13}N_3O_2$
▷Aminometradine, A-00291
▷Amisometradine, A-00346

$C_9H_{13}N_3O_3$
2′,3′-Dideoxycytidine, D-00220

$C_9H_{13}N_3O_5$
Cytosine arabinoside, C-00667

$C_9H_{13}N_3O_6$
▷Bredinin, B-00267
▷Pyrazomycin, P-00566

$C_9H_{13}N_5O_3$
Buciclovir, B-00336

$C_9H_{13}N_5O_4$
▷9-(1,3-Dihydroxy-2-propoxymethyl)guanine, D-00350
9-(2,3-Dihydroxy-1-propoxymethyl)guanine, D-00351

$C_9H_{14}BrNO_6$
2-Bromo-2-nitro-1,3-propanediol; Dipropanoyl, *in* B-00310

$C_9H_{14}Cl_2O_2$
Nonanedioic acid; Dichloride, *in* N-00203

$C_9H_{14}NO_2P$
Toldimfos, T-00347

$C_9H_{14}N_2$
1,7-Dicyanoheptane, *in* N-00203
▷(1-Methyl-2-phenylethyl)hydrazine, M-00289

$C_9H_{14}N_2O$
(1-Methyl-2-phenoxyethyl)hydrazine, M-00282

$C_9H_{14}N_2O_3$
▷Metharbitone, M-00173
▷Probarbital, P-00443

$C_9H_{14}N_2O_3S$
6-Aminopenicillanic acid; Me ester, *in* A-00295

$C_9H_{14}N_2O_4$
3-Amino-3-pyrrolidinecarboxylic acid; Di-Ac, *in* A-00329

$C_9H_{14}N_2O_7$
N^3-Aspartylglutamic acid, A-00461

$C_9H_{14}N_2O_8$
Aspergillomarasmine *B*, *in* A-00462

$C_9H_{14}N_4O$
▷Azimexon, A-00524

$C_9H_{14}N_4O_3$
▷Nimorazole, N-00150

$C_9H_{14}N_4O_3S$
Sulnidazole, S-00229

$C_9H_{14}N_4O_4$
▷Molsidomine, M-00425

$C_9H_{14}N_4O_5$
5-Azacytidine; 4*N*-Me, *in* A-00496

$C_9H_{14}N_5O_3P$
Benfosformin, B-00051

$C_9H_{14}N_6O$
Oxonazine, O-00133

$C_9H_{14}O_6$
Glucitol; 1,3:2,4:5,6-Tri-*O*-methylene, *in* G-00054
Glucurono-6,3-lactone; Me glycoside, 2,5-di-Me, *in* G-00059
Glucurono-6,3-lactone; Me glycoside, 2,5-di-Me, *in* G-00059
▷Glycerol triacetate, G-00065

$C_9H_{14}O_7$
Trimethyl citrate, *in* C-00402

$C_9H_{15}BrN_2O_2$
Broxaterol, B-00332

$C_9H_{15}BrN_2O_3$
▷Acecarbromal, A-00007

$C_9H_{15}NO_2$
▷Aceclidine, *in* Q-00035
3-Quinuclidinol; Ac, *in* Q-00035

$C_9H_{15}NO_3$
5-Oxo-2-pyrrolidinecarboxylic acid; *tert*-Butyl ester, *in* O-00140

$C_9H_{15}NO_3S$
▷Acidomycin, A-00039
▷Captopril, C-00034

$C_9H_{15}NO_6$
1,2-*O*-Isopropylidene-α-D-glucuronamide, *in* G-00058

$C_9H_{15}N_3$
(Dimethylamino)trimethylpyrazine, D-00423
Tetrydamine, *in* T-00119

$C_9H_{15}N_3O$
Azepexole, A-00516

$C_9H_{15}N_3O_3$
1,3,5-Triazine-2,4,6-triol; Tri-Et ether, *in* T-00423

$C_9H_{15}N_3O_5$
5,6-Dihydro-5-azathymidine, D-00278

$C_9H_{15}N_3O_6$
Alahopcin, A-00092

$C_9H_{15}N_5O$
▷Minoxidil, M-00388

$C_9H_{15}O_4P$
Di-2-propenyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276

$C_9H_{16}Br_2O_4$
1,6-Dibromo-1,6-dideoxy-3,4-*O*-isopropylidene-D-mannitol, *in* D-00164

$C_9H_{16}ClN_3O_2$
▷Lomustine, L-00083

$C_9H_{16}N_2O_2S$
Tazolol, T-00044

$C_9H_{16}N_2O_3S$
Alonacic, A-00141

$C_9H_{16}N_2O_4$
N^2,N^5-Diacetylornithine, *in* O-00059

$C_9H_{16}N_4O$
Rolgamidine, R-00075

$C_9H_{16}N_4S$
Burimamide, B-00375

$C_9H_{16}N_4S_2$
▷Metiamide, M-00316

$C_9H_{16}O_2$
2,2-Diethyl-4-pentenoic acid, D-00251

$C_9H_{16}O_3$
1-(Hydroxymethyl)cyclohexaneacetic acid, H-00158

$C_9H_{16}O_4$
3-Ethyl-3-methylpentanedioic acid; Me ester, *in* E-00203
▷Nonanedioic acid, N-00203

$C_9H_{17}N$
3-Azabicyclo[3.2.2]nonane; *N*-Me, *in* A-00491
▷1,2,3,6-Tetrahydro-2,2,6,6-tetramethylpyridine, T-00132

$C_9H_{17}NO$
▷Diethylallylacetamide, *in* D-00251

$C_9H_{17}NO_2$
1-(Aminomethyl)cyclohexaneacetic acid, A-00280
Methyl 2,5-di-*O*-methyl-β-D-glucopyranosiduronamide, *in* G-00058

$C_9H_{17}NO_4$
▷Carnitine; *O*-Ac, *in* C-00084

$C_9H_{17}NO_5$
Pantothenic acid, P-00016

$C_9H_{17}NO_6$
Glucuronamide; Me pyranoside, 3,4-di-Me, *in* G-00058
Methyl 2,5-di-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058

$C_9H_{17}N_3O_3$
Dopastin, D-00580

$C_9H_{18}Cl_3N_2O_2P$
▷Trifosfamide, T-00469

$C_9H_{18}N_2O_2$
Capuride, C-00035
Nonanedioic acid; Diamide, *in* N-00203

$C_9H_{18}N_2O_4$
▷Meprobamate, M-00104

$C_9H_{18}N_4$
Guanacline, G-00099

$C_9H_{18}N_4O$
Amidinomycin, A-00192

$C_9H_{18}N_6$
▷Tris(dimethylamino)-1,3,5-triazine, T-00535

$C_9H_{18}O$
▷3,3,5-Trimethylcyclohexanol, T-00506

$C_9H_{18}O_2$
2-Ethyl-3-methylpentanoic acid; Me ester, *in* E-00204
Octanoic acid; Me ester, *in* O-00014

$C_9H_{18}O_3$
3-Ethyl-3-hydroxypentanoic acid; Et ester, *in* E-00195

$C_9H_{19}ClN_3O_5P$
Fotemustine, F-00261

$C_9H_{19}Cl_2N_2O_5PS_2$
Mafosfamide, M-00004

$C_9H_{19}N$
▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
▷*N*,6-Dimethyl-5-hepten-2-amine, *in* M-00256

$C_9H_{19}NO$
2,2,6-Trimethyl-4-piperidinol; *N*-Me, *in* T-00511

$C_9H_{19}NO_2$
6-Aminohexanoic acid; *N*-Di-Me, Me ester, *in* A-00259

$C_9H_{19}NO_4$
▷Panthenol, P-00015

$C_9H_{19}O_4P$
Dipropyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276

$C_9H_{20}Cl_2O_6P_2$
Tetraethyl dichloromethylenebisphosphonate, *in* D-00194

$C_9H_{20}Cl_3N_2O_3P$
▷Defosfamide, D-00047

$C_9H_{20}NO_2^{\oplus}$
Propionylcholine, *in* C-00308

$C_9H_{20}NO_3^{\oplus}$
4-Ethoxy-2-hydroxy-*N*,*N*,*N*-trimethyl-4-oxo-1-butanaminium, *in* C-00084

$C_9H_{20}N_4$
2-(Guanidinomethyl)octahydro-1*H*-azocine, G-00111

$C_9H_{20}O_4S_2$
3,3-Bis(ethylsulfonyl)pentane, *in* B-00213

$C_9H_{20}S_2$
3,3-Bis(ethylthio)pentane, B-00213

$C_9H_{21}NO$
1-Amino-2-propanol; *N*,*N*-Di-Et, Et ether, *in* A-00318

$C_9H_{21}NO_2$
Tetraethylammonium(1+); Formate, *in* T-00111

$C_9H_{21}N_3$
(1,1,3,3-Tetramethylbutyl)guanidine, T-00145

$C_9H_{22}O_6P_2$
▷Tetraethyl methylenebisphosphonate, *in* M-00168

$C_9H_{23}INO_3PS$
▷Ecothiopate iodide, *in* E-00010

$C_9H_{23}NO_3PS^{\oplus}$
Ecothiopate(1+), E-00010

$C_9H_{24}I_2N_2O$
2-Hydroxy-*N*,*N*,*N*,*N*′,*N*′,*N*′-hexamethyl-1,3-propanediaminium diiodide, *in* D-00135

$C_{10}F_{18}$
▷Octadecafluorodecahydronaphthalene, O-00008

$C_{10}H_4Cl_2O_2$
▷2,3-Dichloro-1,4-naphthoquinone, D-00195

$C_{10}H_5ClO_3$
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Chloride, *in* O-00125

$C_{10}H_5NO_2$
2-Cyanochromone, *in* O-00125

$C_{10}H_6BrNO_3$
5-Bromo-1*H*-indole-2,3-dione; *N*-Ac, *in* B-00305

$C_{10}H_6Cl_2N_2O_2$
▷3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, C-00223

$C_{10}H_6F_7N_3O_3$
Nifluridide, N-00114

$C_{10}H_6N_2$
7-Cyanoquinoline, *in* Q-00030

$C_{10}H_6N_4$
1,2,4-Triazino[5,6-*c*]quinoline, T-00424

$C_{10}H_6O_3$
▷2-Hydroxy-1,4-naphthoquinone, H-00178
▷5-Hydroxy-1,4-naphthoquinone, H-00179

$C_{10}H_6O_4$
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, O-00125

$C_{10}H_7BrClIS$
(4-Chlorophenyl)-2-thienyliodonium; Bromide, *in* C-00274

$C_{10}H_7Br_2NO$
5,7-Dibromo-8-hydroxy-2-methylquinoline, D-00166
5,7-Dibromo-8-methoxyquinoline, *in* D-00167

$C_{10}H_7ClIS^{\oplus}$
(4-Chlorophenyl)-2-thienyliodonium, C-00274

$C_{10}H_7ClO_4$
6-Chloro-1,2,3,4-naphthalenetetrol, C-00257

$C_{10}H_7Cl_2IS$
Tiodonium chloride, *in* C-00274

$C_{10}H_7Cl_2NO$
▷5,7-Dichloro-8-hydroxy-2-methylquinoline, D-00189

$C_{10}H_7Cl_2N_3O$
Anagrelide, A-00376

$C_{10}H_7Cl_5O_2$
▷Plifenate, *in* D-00204

$C_{10}H_7F_3O_4$
▷Triflusal, *in* H-00215

$C_{10}H_7NO_2$
7-Quinolinecarboxylic acid, Q-00030

$C_{10}H_7NO_2S$
2-(2-Hydroxyphenyl)-4-thiazolecarboxaldehyde, *in* H-00199

$C_{10}H_7NO_3$
5-Hydroxy-1,4-naphthoquinone; 1-Monoxime, *in* H-00179
5-Hydroxy-1,4-naphthoquinone; 4-Monoxime, *in* H-00179
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Amide, *in* O-00125

$C_{10}H_7NO_3S$
2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid, H-00199

$C_{10}H_7N_3S$
▷Thiabendazole, T-00171

$C_{10}H_8BrNO$
7-Bromo-8-hydroxy-5-methylquinoline, B-00304

$C_{10}H_8BrNO_2$
3-(3-Bromophenyl)-2,5-pyrrolidinedione, B-00315

$C_{10}H_8BrN_3O$
2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, A-00220

$C_{10}H_8ClNO_3$
Seclazone, S-00032

$C_{10}H_8ClN_3O_2$
▷Drazoxolon, D-00601

$C_{10}H_8Cl_2N_2O_4$
2,6-Dichloro-4-nitroaniline; *N*-Di-Ac, *in* D-00196

$C_{10}H_8HgNNaO_3S$
Otimerate sodium, *in* O-00070

$C_{10}H_8MgN_2O_6S_3$
Bispyrithione magsulfex, *in* D-00551

$C_{10}H_8N_2OS$
2-Aminothiazole; *N*-Benzoyl, *in* A-00336
6-Phenyl-2-thiouracil, P-00209

$C_{10}H_8N_2O_2$
3-Methyl-2-quinoxalinecarboxylic acid, M-00304

$C_{10}H_8N_2O_2S_2$
Dipyrithione, *in* D-00551

$C_{10}H_8N_2O_2S_2Zn$
▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574

$C_{10}H_8N_2O_3$
8-Hydroxy-5-nitroquinoline; Me ether, *in* H-00182

$C_{10}H_8N_2O_8$
4,5-Dinitro-1,2-benzenedicarboxylic acid; Di-Me ester, *in* D-00467
4,5-Dinitro-1,2-benzenedicarboxylic acid; Mono-Et ester, *in* D-00467

$C_{10}H_8N_2S_2$
2,2′-Dithiobispyridine, D-00551

$C_{10}H_8N_4O_3$
Nifurprazine, N-00129

$C_{10}H_8N_4O_3S_2$
Nitrodan, N-00176

$C_{10}H_8N_4O_4$
2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, M-00274

$C_{10}H_8O_2$
3-Methyl-4*H*-1-benzopyran-4-one, M-00231

$C_{10}H_8O_3$
2,3-Dihydro-5-hydroxy-1,4-naphthalenedione, *in* H-00179
▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
7-Methoxy-2*H*-1-benzopyran-2-one, *in* H-00114

$C_{10}H_8O_4$
6,7-Dihydroxy-4-methyl-2*H*-1-benzopyran-2-one, D-00332
▷7-Hydroxy-6-methoxy-2*H*-1-benzopyran-2-one, H-00148

$C_{10}H_8O_{10}S_2$
Sulmarin, *in* D-00332

$C_{10}H_9AgN_4O_2S$
▷Silver sulfadiazine, *in* S-00237

$C_{10}H_9BrO_4$
5-Bromo-2-hydroxy-3-methylbenzoic acid; Ac, *in* B-00302

$C_{10}H_9ClN_2$
4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269

$C_{10}H_9ClN_2O_3$
2-Amino-5-chlorobenzoxazole; 2-*N*-Ethoxycarbonyl, *in* A-00225

$C_{10}H_9ClN_4O_2S$
Sulfaclozine, S-00190
Sulphachlorpyridazine, S-00236

$C_{10}H_9ClO_3$
7-Chloro-4-hydroxy-5-indanecarboxylic acid, C-00243

$C_{10}H_9ClO_4$
3-Chloro-6-hydroxy-4-methylbenzoic acid; Ac, *in* C-00245

$C_{10}H_9Cl_4O_4P$
▷Tetrachlorvinphos, T-00107

$C_{10}H_9F_3N_2O$
Fluminorex, F-00162

$C_{10}H_9HgNO_3S$
Otimerate, O-00070

$C_{10}H_9I_3O_3$
▷Phenobutiodil, P-00160

$C_{10}H_9NO$
2-(Aminomethylene)-1-indanone, A-00282
8-Hydroxy-5-methylquinoline, H-00176
8-Methoxyquinoline, *in* H-00211
1-Methylquinolinium-8-olate, *in* H-00211

$C_{10}H_9NO_2$
▷Carfimate, *in* P-00204

$C_{10}H_9NO_3$
5-Hydroxy-2-methyl-3-indolecarboxylic acid, H-00163

$C_{10}H_9NO_5$
Echinosporin, E-00005

$C_{10}H_9N_3O$
2-Aminoquinoxaline; 2-*N*-Ac, *in* A-00332
▷Amrinone, A-00372

$C_{10}H_9N_3S$
Tasuldine, T-00029

$C_{10}H_9N_7O$
Furterene, F-00300

$C_{10}H_{10}BiNO_3$
Mebiquine, M-00036

$C_{10}H_{10}BrNO_2$
▷Brofoxine, B-00280

$C_{10}H_{10}ClNO_2$
▷Chlorthenoxazin, C-00303

$C_{10}H_{10}ClN_3O$
Clazolimine, C-00412

$C_{10}H_{10}Cl_2N_2O$
Fenmetozole, F-00058

$C_{10}H_{10}Cl_3NO_3$
Cloracetadol, C-00492
(2,2,2-Trichloro-1-hydroxyethyl)carbamic acid; Benzyl ester, *in* T-00438

$C_{10}H_{10}FNO_2$
Fluparoxan, F-00197

$C_{10}H_{10}INO_3$
(2-Iodobenzoyl)aminoacetic acid; Me ester, *in* I-00101

$C_{10}H_{10}N_2O$
2-Hydroxymethyl-3-methylquinoxaline, H-00164

$C_{10}H_{10}N_2O_2$
2-Benzimidazolepropionic acid, B-00083

$C_{10}H_{10}N_2O_3$
▷Caroxazone, C-00091
Mequidox, *in* H-00164
Paraxazone, P-00031

$C_{10}H_{10}N_2O_6$
2-Methyl-3,5-dinitrobenzoic acid; Et ester, *in* M-00246

$C_{10}H_{10}N_4O_2S$
Pirinidazole, P-00331
Sulfapyridazine, S-00208
▷Sulphadiazine, S-00237

$C_{10}H_{10}N_4O_3$
Drazidox, *in* M-00304

$C_{10}H_{10}N_6O_2$
Azanidazole, A-00502

$C_{10}H_{10}O_2$
▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131

$C_{10}H_{10}O_3$
2-Hydroxyacetophenone; Ac, *in* H-00107

$C_{10}H_{10}O_4$
2-Acetoxybenzoic acid; Me ester, *in* A-00026
▷1,3-Benzenediol; Di-Ac, *in* B-00073
1,4-Benzenediol; Di-Ac, *in* B-00074
3,4-Dihydroxybenzaldehyde; 3-Me ether, Ac, *in* D-00311
3,4-Dihydroxybenzaldehyde; 4-Me ether, Ac, *in* D-00311
2-Hydroxy-3-methylbenzoic acid; Ac, *in* H-00155

$C_{10}H_{10}O_8$
▷Aceglatone, *in* G-00053

$C_{10}H_{11}BrN_2O_3$
Brallobarbital, B-00265

$C_{10}H_{11}ClF_3N_3O_4S_3$
Epithiazide, E-00085

$C_{10}H_{11}ClO_2$
▷4-Chloro-3,5-dimethylphenol; Ac, *in* C-00235

$C_{10}H_{11}ClO_3$
▷Clofibric acid, C-00456

$C_{10}H_{11}F_3N_2O_5$
▷2′-Deoxy-5-(trifluoromethyl)uridine, D-00084

$C_{10}H_{11}I_2NO_3$
3,5-Diiodotyrosine; Me ester, *in* D-00365
▷Propyliodone, *in* D-00363

$C_{10}H_{11}I_2NO_4$
Oxypropyliodone, *in* D-00363

$C_{10}H_{11}N$
1,2-Dihydro-2-naphthylamine, D-00295

$C_{10}H_{11}NO$
Abikoviromycin, A-00002

$C_{10}H_{11}NO_2$
α-Formamido-α-methylacetophenone, *in* A-00309

$C_{10}H_{11}NO_3$
4-Acetamidophenyl acetate, *in* A-00298
2-Amino-2-phenylacetic acid; *N*-Ac, *in* A-00300
3,4,6,7-Tetrahydro-1-methyl-6-oxo-1*H*-pyrano[3,4-*c*]-pyridine-5-carboxaldehyde, T-00124

$C_{10}H_{11}NO_3S$
Cysteine; *N*-Benzoyl, *in* C-00654

$C_{10}H_{11}NO_4$
N-Carboxy-4-aminobenzoic acid; Et ester, *in* C-00064

$C_{10}H_{11}NO_4S_2$
Stepronin, S-00145

$C_{10}H_{11}N_3O$
Crotoniazide, C-00570
2-Imino-3-methyl-1-phenyl-4-imidazolidinone, I-00038

$C_{10}H_{11}N_3O_2$
▷Lobendazole, L-00065

$C_{10}H_{11}N_3O_2S_2$
Sulphasomizole, S-00255

$C_{10}H_{11}N_3O_3S$
▷Sulphamethoxazole, S-00244

$C_{10}H_{11}N_3O_5S$
▷Nifuratel, N-00118

$C_{10}H_{12}BrN_3$
Guanisoquine, G-00113

$C_{10}H_{12}ClNO$
▷Beclamide, B-00022

$C_{10}H_{12}ClNO_2$
▷Baclofen, B-00003

$C_{10}H_{12}ClNO_4$
▷Chlorphenesin carbamate, *in* C-00261

$C_{10}H_{12}ClN_3$
Tolonidine, T-00358

$C_{10}H_{12}ClN_3O_3S$
Quinethazone, Q-00021

$C_{10}H_{12}ClN_3O_6S_2$
▷Carmetizide, C-00079

$C_{10}H_{12}ClN_5O_3$
2-Chloro-2′-deoxyadenosine, *in* C-00214

$C_{10}H_{12}ClN_5O_4$
▷2-Chloroadenosine, C-00214

$C_{10}H_{12}FN_3$
Flutonidine, F-00230

$C_{10}H_{12}FN_5O_3$
Cordycepin; 2-Fluoro, *in* C-00543

$C_{10}H_{12}F_3N$
▷α-Methyl-*m*-(trifluoromethyl)phenethylamine, M-00312
▷α-Methyl-*p*-(trifluoromethyl)phenethylamine, M-00313

$C_{10}H_{12}N_2$
▷2-Benzyl-2-imidazoline, B-00120
▷Tryptamine, T-00566

$C_{10}H_{12}N_2O$
Cotinine, C-00553
▷5-Hydroxytryptamine, H-00218
1,2,3,4-Tetrahydroisoquinoline; *N*-Aminocarbonyl, *in* T-00120

$C_{10}H_{12}N_2O_2$
4-(3-Pyridinylcarbonyl)morpholine, P-00576

$C_{10}H_{12}N_2O_3$
▷5,5-Diallylbarbituric acid, D-00119

$C_{10}H_{12}N_2O_4S$
5-Hydroxytryptamine; *O*-Sulfate, *in* H-00218

$C_{10}H_{12}N_2O_5S$
Sulfasuccinamide, S-00209

$C_{10}H_{12}N_4OS$
▷Thiacetazone, *in* A-00210

$C_{10}H_{12}N_4O_2S_2$
Sulphaethidole, S-00239

$C_{10}H_{12}N_4O_3$
Carbazochrome, *in* A-00077
2′,3′-Dideoxyinosine, D-00221

$C_{10}H_{12}N_4O_3S_2$
Sulfatrozole, S-00213

$C_{10}H_{12}N_4O_4S$
▷6-Thioinosine, T-00204

$C_{10}H_{12}N_4O_5$
▷Inosine, I-00073
▷Nifurdazil, *in* N-00115

$C_{10}H_{12}N_4O_5S$
Tazobactam, T-00043

$C_{10}H_{12}N_5O_6P$
▷Cyclic AMP, C-00591

$C_{10}H_{12}N_6$
▷Ethylenediamine tetraacetonitrile, *in* E-00186

$C_{10}H_{12}O$
4-(1-Methyl-1-propenyl)phenol, M-00298

$C_{10}H_{12}O_2$
2-Ethoxyacetophenone, *in* H-00107
▷2-Methoxy-4-(2-propenyl)phenol, M-00215
3-Methylbenzoic acid; Et ester, *in* M-00230
2-Phenylethanol; Ac, *in* P-00187
p-Propionylanisole, *in* H-00193
Propyl benzoate, *in* B-00092

$C_{10}H_{12}O_3$
2-Hydroxybenzyl alcohol; 2-Me ether, Ac, *in* H-00116
2-Methoxybenzoic acid; Et ester, *in* M-00196
▷Propyl 4-hydroxybenzoate, *in* H-00113

$C_{10}H_{12}O_4$
▷Cantharidin, C-00028

$C_{10}H_{12}O_5$
Asperlin, A-00464

$C_{10}H_{12}O_6$
Tetramethoxy-1,4-benzoquinone, *in* T-00137

$C_{10}H_{12}O_6S$
Sulprosal, S-00260

$C_{10}H_{13}BrN_2O_3$
▷5-(2-Bromoallyl)-5-isopropylbarbituric acid, B-00291

$C_{10}H_{13}BrO$
▷4-Bromo-2-isopropyl-5-methylphenol, B-00306

$C_{10}H_{13}ClHgO$
4-*tert*-Butyl-2-chloromercuriphenol, B-00429

$C_{10}H_{13}ClN_2O$
N-[(3-Chlorophenyl)methyl]-*N*′-ethylurea, C-00268

$C_{10}H_{13}ClN_2O_2S$
Nitralamine, N-00165

$C_{10}H_{13}ClN_2O_3S$
▷Chlorpropamide, C-00299

$C_{10}H_{13}ClN_2S$
Anpirtoline, A-00398

$C_{10}H_{13}ClN_6O_6S$
2-Chloro-5′-sulfamoyladenosine, *in* C-00214

$C_{10}H_{13}Cl_2O_3PS$
▷Dichlofenthion, D-00176

$C_{10}H_{13}FN_2O_5$
2′-Deoxy-5-fluorouridine; 3′-Me, *in* D-00079
2′-Deoxy-5-fluorouridine; 5′-Me, *in* D-00079

$C_{10}H_{13}N$
1,2,3,4-Tetrahydro-1-methylquinoline, T-00127

$C_{10}H_{13}NO$
3-Amino-3,4-dihydro-2-methyl-2*H*-1-benzopyran, A-00245
7-Amino-5,6,7,8-tetrahydro-1-naphthalenol, A-00335
Dihydrolatumcidin, *in* A-00002
3-Methylbenzoic acid; Dimethylamide, *in* M-00230
N-(α-Methylphenethyl)formamide, *in* P-00202

$C_{10}H_{13}NO_2$
(4-Aminophenyl)acetic acid; Et ester, *in* A-00299
2-Amino-2-phenylacetic acid; Et ester; B,HCl, *in* A-00300
▷4-Amino-3-phenylbutanoic acid, A-00303
▷5-Butyl-2-pyridinecarboxylic acid, B-00432
Dihydro-N-hydroxyabikoviromycin, *in* A-00002
4-(Dimethylamino)benzoic acid; Me ester, *in* D-00405
▷*N*-(4-Ethoxyphenyl)acetamide, *in* E-00161
Homarylamine, *in* M-00253
▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
1-(4-Hydroxyphenyl)-1-propanone; Me ether, oxime, *in* H-00193
N-Formylnorephedrine, *in* A-00308
2-Propoxybenzamide, P-00510
▷Risocaine, *in* A-00216
▷Tenamfetamine, T-00066

$C_{10}H_{13}NO_2S$
Cysteine; Benzyl ester; B,HCl, *in* C-00654
Cysteine; *S*-Benzyl, *in* C-00654

$C_{10}H_{13}NO_3$
2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid, A-00273
N-(4-Ethoxyphenyl)-2-hydroxyacetamide, *in* E-00161
2-Hydroxyethyl benzylcarbamate, H-00129

$C_{10}H_{13}NO_4$
4-Hydroxy-3-methoxyphenylalanine, *in* A-00248
α-Methyldopa, M-00249

$C_{10}H_{13}NO_4S_2$
▷Meticrane, M-00319
Tiprotimod, T-00319

$C_{10}H_{13}NO_6$
▷3-Deazauridine, D-00031

$C_{10}H_{13}N_2O_4P$
Norbaeocystine, *in* D-00411

$C_{10}H_{13}N_3$
Debrisoquine, D-00033
Phenamazoline, P-00141

$C_{10}H_{13}N_3O_2$
Guabenxan, G-00088
Guanoxan, G-00115

$C_{10}H_{13}N_3O_2S_2$
Subathizone, S-00170

$C_{10}H_{13}N_3O_5S$
▷Nifurtimox, N-00134

$C_{10}H_{13}N_3O_6$
Metronidazole hydrogen succinate, *in* M-00344

$C_{10}H_{13}N_5O_2$
2′,5′-Dideoxyadenosine, D-00219

$C_{10}H_{13}N_5O_3$
2-Amino-6-(1,2-dihydroxypropyl)-3-methylpterin-4-one, *in* B-00172
▷Cordycepin, C-00543

$C_{10}H_{13}N_5O_3S$
2-Amino-9-(2-deoxy-*erythro*-pentofuranosyl)-1,9-dihydro-6*H*-purine-6-thione, A-00236

$C_{10}H_{13}N_5O_4$
▷Adenosine, A-00067
9-Arabinofuranosyladenine, A-00435
Eritadenine; 2-Me, *in* E-00110
Eritadenine; Me ester, *in* E-00110
Zidovudine, Z-00013

$C_{10}H_{13}O_6P$
Methyl 2-(dimethoxyphosphinyl)oxybenzoate, *in* P-00217

$C_{10}H_{14}ClN$
1-(2-Chlorophenyl)-2-methyl-2-propylamine, C-00271
▷Chlorphentermine, C-00295

$C_{10}H_{14}ClN_3OS$
▷Azintamide, A-00525

$C_{10}H_{14}FN_5O_4$
Fludarabine, F-00142

$C_{10}H_{14}NO_6P$
▷Paraoxon, P-00027

$C_{10}H_{14}N_2$
Nicotine, N-00103

$C_{10}H_{14}N_2O$
Bupicomide, *in* B-00432
▷*N*,*N*-Diethyl-3-pyridinecarboxamide, D-00254
Nicotine 1′-N-oxide, *in* N-00103

$C_{10}H_{14}N_2OS$
Cysteine; *S*-Benzyl, amide; B,HCl, *in* C-00654

$C_{10}H_{14}N_2O_2$
Nerbacadol, N-00074
Pilocarpidine, *in* P-00252

$C_{10}H_{14}N_2O_3$
▷Aprobarbital, A-00430
1-Cyclohexyl-2,4,6-(1*H*,3*H*,5*H*)pyrimidinetrione, C-00622

$C_{10}H_{14}N_2O_3S$
α-Dehydrobiotin, D-00048

$C_{10}H_{14}N_2O_4$
▷Carbidopa, C-00050
▷Proxibarbal, P-00546
Valofane, V-00004

$C_{10}H_{14}N_2O_4S_2$
▷Sulthiame, S-00263

$C_{10}H_{14}N_4O_2$
Morinamide, M-00443

$C_{10}H_{14}N_4O_3$
▷Protheobromine, P-00534
▷Proxyphylline, P-00551

$C_{10}H_{14}N_4O_4$
▷Diprophylline, D-00523

$C_{10}H_{14}N_4O_5S$
3-(7-Theophyllinyl)propanesulfonic acid, T-00170

$C_{10}H_{14}N_5O_7P$
▷Vidarabine phosphate, *in* A-00435

$C_{10}H_{14}N_6O_3$
2′-Amino-2′-deoxyadenosine, A-00233
3′-Amino-3′-deoxyadenosine, A-00234

$C_{10}H_{14}N_6O_4$
9-Arabinofuranosyladenine; 8-Amino, *in* A-00435

$C_{10}H_{14}O$
2-Phenylethanol; Et ether, *in* P-00187
3-Phenyl-1-propanol; Me ether, *in* P-00201

$C_{10}H_{14}OS_2$
2,3-Dimercapto-1-propanol; Benzyl ether, *in* D-00385

2,3-Dimercapto-1-propanol; Benzyl ether, *in* D-00385

$C_{10}H_{14}O_2$
1,3-Diethoxybenzene, *in* B-00073
1,4-Diethoxybenzene, *in* B-00074
▷1-Ethynylcyclohexanol; Ac, *in* E-00228
2-Phenyl-1,2-butanediol, P-00179

$C_{10}H_{14}O_3$
▷3-(2-Methylphenoxy)-1,2-propanediol, M-00283
1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid; Anhydride, *in* T-00508

$C_{10}H_{14}O_3S$
(4,5-Dimethoxy-2-methylphenyl) methyl sulfoxide, D-00398

$C_{10}H_{14}O_4$
2-(3,5-Dimethoxyphenoxy)ethanol, D-00399
▷Guaiphenesin, G-00095

$C_{10}H_{14}O_6S_2$
2,3-Dimercaptobutanedioic acid; Di-Ac, di-Me ester, *in* D-00384

$C_{10}H_{14}O_7$
2-Methyl-5-(D-*arabino*-1,2,3,4-tetrahydroxybutyl)-3-furoic acid, M-00308

$C_{10}H_{15}N$
▷*N*,β-Dimethylbenzeneethanamine, *in* P-00203
2-Methylamino-1-phenylpropane, *in* P-00202
Ortetamine, O-00065
3-Phenyl-2-methyl-2-propylamine, P-00193
1-Phenyl-2-propylamine; *N*-Me; B,MeI, *in* P-00202
2-Phenyl-1-propylamine; Picrate, *in* P-00203

$C_{10}H_{15}NO$
▷2-Methylamino-1-phenyl-1-propanol, M-00221
▷4-[2-(Methylamino)propyl]phenol, M-00222

$C_{10}H_{15}NO_2$
2-Amino-1-(3-hydroxyphenyl)ethanol; *N*-Di-Me, *in* A-00272
(+)-Camphorimide, *in* T-00508
3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, D-00250
▷Etilefrine, *in* A-00272
▷Hexapropymate, H-00061
Longimammine, *in* S-00286
Octopamine; Di-Me ether, *in* O-00022
Octopamine; O^4,*N*-Di-Me, *in* O-00022
β-O-Methylsynephrine, *in* S-00286
▷Phenylephrine hydrochloride, *in* A-00272

$C_{10}H_{15}NO_3$
Dioxifedrine, D-00477
Ethylnorepinephrine, E-00212
▷N-Methyladrenaline, *in* A-00075

$C_{10}H_{15}NO_4$
α-Allokainic acid, *in* K-00001
▷Kainic acid, K-00001

$C_{10}H_{15}N_3$
1-Benzyl-2,3-dimethylguanidine, B-00114
2-Methyl-3-(1-piperidinyl)pyrazine, M-00296

$C_{10}H_{15}N_3O$
(3-Phenoxypropyl)guanidine, P-00173

$C_{10}H_{15}N_3O_4$
Carbodine, C-00054

$C_{10}H_{15}N_3O_5$
▷Benserazide, B-00064

$C_{10}H_{15}N_3S$
Talipexole, T-00009

$C_{10}H_{15}N_5$
▷Phenformin, P-00154
▷Trapidil, T-00401

$C_{10}H_{15}N_5O_3$
9-(4-Hydroxy-3-hydroxymethyl-1-butyl)guanine, H-00138

$C_{10}H_{15}N_5O_4$
Nifurethazone, N-00120

$C_{10}H_{15}O_3PS_2$
▷Fenthion, F-00078

$C_{10}H_{15}O_4PS_2$
O,*O*-Dimethyl *O*-[(3-methyl-4-methylsulfinyl)phenyl] phosphorothioate, *in* F-00078

$C_{10}H_{15}O_5PS_2$
O,*O*-Dimethyl *O*-[(3-methyl-4-methylsulfonyl)phenyl]-phosphorothioate, *in* F-00078

$C_{10}H_{16}BrNO$
▷Edrophonium bromide, *in* E-00016

$C_{10}H_{16}Br_2N_2O_2$
▷1,4-Bis(3-bromo-1-oxopropyl)piperazine, B-00195

$C_{10}H_{16}ClNO$
▷Edrophonium chloride, *in* E-00016

$C_{10}H_{16}NO^{\oplus}$
Edrophonium(1+), E-00016

$C_{10}H_{16}NO_5PS_2$
▷Famphur, F-00015

$C_{10}H_{16}N_2$
▷*N*′,α-Dimethylphenethylhydrazine, D-00442

$C_{10}H_{16}N_2O$
Rilmenidine, R-00052

$C_{10}H_{16}N_2OS$
Albutoin, A-00102

$C_{10}H_{16}N_2O_2$
N,*N*-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, D-00243

$C_{10}H_{16}N_2O_3$
▷Butabarbital, B-00380
▷5-Butyl-5-ethylbarbituric acid, B-00430

$C_{10}H_{16}N_2O_3S$
Amidephrine, A-00191
Biotin, B-00173

$C_{10}H_{16}N_2O_4S$
Biotin; *S*-Oxide, *in* B-00173

$C_{10}H_{16}N_2O_8$
▷Ethylenediaminetetraacetic acid, E-00186

$C_{10}H_{16}N_2S$
Manozodil, M-00020

$C_{10}H_{16}N_4O_3$
▷Dimetilan, D-00457

$C_{10}H_{16}N_4O_4$
Ipramidil, I-00154

$C_{10}H_{16}N_4O_5$
5-Azacytidine; 4,4*N*-Di-Me, *in* A-00496

$C_{10}H_{16}N_6S$
▷Cimetidine, C-00350

$C_{10}H_{16}N_8S_2$
▷Tiotidine, T-00305

$C_{10}H_{16}O$
▷Camphor, C-00023

$C_{10}H_{16}O_2$
▷Ascaridole, A-00455
▷3-Cyclohexyl-2-butenoic acid, C-00605

$C_{10}H_{16}O_4$
▷1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid, T-00508

$C_{10}H_{16}O_7$
Citric acid; Tri-Me ester, Me ether, *in* C-00402

$C_{10}H_{17}N$
▷1-Aminoadamantane, A-00206

$C_{10}H_{17}NO$
Camphoroxime, *in* C-00023

$C_{10}H_{17}NO_2$
▷3,3-Diethyl-5-methyl-2,4-piperidinedione, D-00249

$C_{10}H_{17}NO_4S_2$
Letosteine, L-00028

$C_{10}H_{17}N_3$
4-Cyclohexyl-3-ethyl-4*H*-1,2,4-triazole, C-00609

$C_{10}H_{17}N_3O_5$
Choline orotate, *in* O-00061

$C_{10}H_{17}N_3O_8$
Aspergillomarasmine *A*, *in* A-00462

$C_{10}H_{17}N_3S$
Pramipexole, P-00396

$C_{10}H_{17}N_9O_2S_3$
Tuvatidine, T-00576

$C_{10}H_{18}ClN_3O_2$
▷Semustine, S-00041

$C_{10}H_{18}ClN_3O_7$
Ranimustine, R-00010

$C_{10}H_{18}Cl_2N_6O_4S_2$
Ditiomustine, *in* C-00222

$C_{10}H_{18}O$
▷Cineole, C-00360

$C_{10}H_{18}O_2$
5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol, H-00162

$C_{10}H_{18}O_3$
3-Cyclohexyl-3-hydroxybutanoic acid, C-00610
▷α-Ethyl-1-hydroxycyclohexaneacetic acid, E-00193

$C_{10}H_{18}O_6$
1,2:3,4-Di-*O*-ethylidene-D-glucitol, *in* G-00054

$C_{10}H_{19}N$
Butynamine, B-00433
▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132

$C_{10}H_{19}NO_2$
Procymate, P-00456

$C_{10}H_{19}NO_5$
2-Amino-2,6-dideoxyglucose; *N*-Ac, 3,4-di-Me, *in* A-00240
▷Hopantenic acid, H-00088
Pantothenic acid; Me ester, *in* P-00016
2,3,4,6-Tetra-*O*-methyl-D-gluconononitrile, *in* G-00055
2,3,5,6-Tetra-*O*-methyl-D-gluconononitrile, *in* G-00055

$C_{10}H_{19}NO_6$
Methyl 2,3,4-tri-*O*-methyl-α-D-glucopyranosiduronamide, *in* G-00058

$C_{10}H_{19}N_3O$
Centperazine, C-00167

$C_{10}H_{19}N_3O_2$
Guanadrel, G-00100

$C_{10}H_{19}N_3O_3$
Diethylenetriamine; Tri-Ac, *in* D-00245

$C_{10}H_{19}O_6PS_2$
▷Malathion, M-00013

$C_{10}H_{20}Cl_2N_4O_2S_2$
13-Chloro-*N*-(2-chloroethyl)-10-oxo-5,6-dithia-2,9,11-triazatridecanamide, C-00222

$C_{10}H_{20}NO_4^{\oplus}$
Aclatonium(1+), A-00044

$C_{10}H_{20}N_2O_4$
▷Mebutamate, M-00039

$C_{10}H_{20}N_2S_3$
▷Monosulfiram, M-00430

$C_{10}H_{20}N_2S_4$
▷Disulfiram, D-00542

$C_{10}H_{20}N_4$
Spirgetine, S-00120

$C_{10}H_{20}O$
1-Cyclohexyl-2-methyl-1-propanol, C-00618
▷2-Isopropyl-5-methylcyclohexanol, I-00208

$C_{10}H_{20}O_2$
4-Hydroxy-α,α,4-trimethylcyclohexanemethanol, H-00216
2-Propylpentanoic acid; Et ester, *in* P-00516

$C_{10}H_{20}O_3$
▷Promoxolan, P-00481

$C_{10}H_{20}O_{13}$
1,4-Anhydroglucitol; Tetra-Me, *in* A-00387

$C_{10}H_{21}N$
1-Cyclopentyl-2-dimethylaminopropane, *in* A-00232
▷*N*-Methyl-2-cyclohexyl-2-propylamine, M-00242
▷1,2,2,6,6-Pentamethylpiperidine, P-00085

$C_{10}H_{21}NO_4$
N-Butyldeoxynojirimycin, *in* T-00481

$C_{10}H_{21}NO_6$
2,3,4,6-Tetra-*O*-methyl-D-gluconamide, *in* G-00055
2,3,5,6-Tetra-*O*-methyl-D-gluconamide, *in* G-00055

$C_{10}H_{21}N_3O$
N,*N*-Diethyl-4-methyl-1-piperazinecarboxamide, D-00248

$C_{10}H_{22}Cl_2N_2O_4$
▷Mannomustine, M-00019

$C_{10}H_{22}N_4$
▷Guanethidine, G-00102

$C_{10}H_{22}O_3$
2-Hexyl-2-(hydroxymethyl)-1,3-propanediol, H-00072

$C_{10}H_{22}O_{14}S_4$
▷Mannosulfan, *in* M-00018

$C_{10}H_{23}N$
▷4-Propyl-4-heptylamine, P-00515

$C_{10}H_{24}N_2$
N,*N*,*N*′,*N*′-Tetramethyl-1,6-hexanediamine, T-00148

$C_{10}H_{24}N_2O_2$
2,2′-(1,2-Ethanediyldiimino)bis(1-butanol), E-00148

$C_{10}H_{24}N_2O_8S_2$
▷Ritrosulfan, R-00068

$C_{10}H_{24}O_7P_2$
Tetraethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132

$C_{11}H_5ClN_2O_3$
5-Chlorooxazalo[4,5-*h*]quinoline-2-carboxylic acid, C-00259

$C_{11}H_6ClN_3O_6$
Lodoxamide, L-00071

$C_{11}H_7Cl_2NO_2$
5,7-Dichloro-8-hydroxyquinoline; *O*-Ac, *in* D-00190

$C_{11}H_7Cl_2NO_2S$
Clantifen, *in* A-00337

$C_{11}H_7F_3N_2O_2S$
Amflutizole, A-00184

$C_{11}H_7N_3$
Naphtho[2,1-*e*]-1,2,4-triazine, N-00043

$C_{11}H_7N_3O_2$
Dazoquinast, D-00028

$C_{11}H_8ClNO_2$
▷Cyproximide, C-00652
Silital, *in* C-00249

$C_{11}H_8ClNO_2S$
▷Fenclozic acid, F-00043

$C_{11}H_8F_3NO$
1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone, M-00314

$C_{11}H_8I_3NO_4$
3-(Diacetylamino)-2,4,6-triiodobenzoic acid, *in* A-00340

$C_{11}H_8N_2$
▷4-Amino-1-naphthoic acid; Nitrile, *in* A-00292

$C_{11}H_8O_2$
▷2-Methyl-1,4-naphthoquinone, M-00271

$C_{11}H_8O_3$
▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167

▷2-Methoxy-1,4-naphthoquinone, *in* H-00178

$C_{11}H_8O_4$
7-Hydroxy-2*H*-1-benzopyran-2-one; Ac, *in* H-00114
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Me ester, *in* O-00125

$C_{11}H_9BrO_4$
Bromebric acid, B-00286

$C_{11}H_9ClN_2OS$
Fenclozic acid; Amide, *in* F-00043

$C_{11}H_9ClN_4O$
Nimazone, N-00145

$C_{11}H_9ClO_2S$
Tianafac, T-00239

$C_{11}H_9Cl_4NO_2$
Cloponone, C-00488

$C_{11}H_9FN_2O_3$
Sorbinil, S-00104

$C_{11}H_9I_3N_2O_4$
▷Diatrizoic acid, *in* D-00138
▷Iothalamic acid, I-00140

$C_{11}H_9I_3N_2O_5$
3-(Acetylamino-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, *in* D-00138

$C_{11}H_9NO_2$
4-Amino-1-naphthoic acid, A-00292
8-Hydroxyquinoline; *O*-Ac, *in* H-00211
2-Methyl-1,4-naphthoquinone; 4-Oxime, *in* M-00271
7-Quinolinecarboxylic acid; Me ester, *in* Q-00030

$C_{11}H_9NO_3S$
2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid; Me ester, *in* H-00199

$C_{11}H_9NO_4$
5,6-Dimethyl-2-nitro-1,3-indanedione, D-00436

$C_{11}H_9N_3O_2$
Naftazone, N-00022
Pirquinozol, P-00356

$C_{11}H_9N_3O_3$
Nitrafudam, N-00164

$C_{11}H_9N_3O_4$
Nifurvidine, N-00136

$C_{11}H_9N_5O_4$
▷*N*-[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-acetamide, *in* F-00280

$C_{11}H_{10}ClNO_3$
▷Meseclazone, M-00132

$C_{11}H_{10}ClN_3O$
Quazinone, Q-00005

$C_{11}H_{10}Cl_2N_4$
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-methylpyrimidine, D-00124

$C_{11}H_{10}FNO_2S$
7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, F-00188

$C_{11}H_{10}FN_3O_3$
Flunidazole, F-00166

$C_{11}H_{10}F_3NO_2$
Flumetramide, F-00159

$C_{11}H_{10}N$
2-Methyl-1*H*-indole-3-acetonitrile, *in* M-00263

$C_{11}H_{10}N_2$
2-Aminopyridine; *N*-Ph, *in* A-00325

$C_{11}H_{10}N_2O$
4-Amino-1-naphthoic acid; Amide, *in* A-00292
▷1-(3-Aminophenyl)-2(1*H*)-pyridinone, A-00310

$C_{11}H_{10}N_2O_2$
2-Methyl-1,4-naphthoquinone; Dioxime, *in* M-00271
5-(3-Methylphenoxy)-2(1*H*)-pyrimidinone, M-00284

$C_{11}H_{10}N_2O_3$
5-Hydroxy-2-methyl-1,4-naphthoquinone; Dioxime, *in* H-00167
8-Hydroxy-5-nitroquinoline; Et ether, *in* H-00182
1-Methylisatin; 2-Oxime, Ac, *in* M-00264

$C_{11}H_{10}N_2S$
5,6-Dihydro-6-phenylimidazo[2,1-*b*]thiazole, D-00296

$C_{11}H_{10}N_4O_4$
▷Carbadox, C-00039

$C_{11}H_{10}N_4O_6$
▷Nifurmazole, N-00124

$C_{11}H_{10}N_6$
Bentemazole, *in* I-00033

$C_{11}H_{10}O_2$
▷1,4-Dihydroxy-2-methylnaphthalene, D-00333
1-Phenyl-2-propyn-1-ol; Ac, *in* P-00204

$C_{11}H_{10}O_3$
7-Ethoxy-2*H*-1-benzopyran-2-one, *in* H-00114
7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; Me ether, *in* H-00156

$C_{11}H_{10}O_5$
3,4-Dihydroxybenzaldehyde; Di-Ac, *in* D-00311

$C_{11}H_{10}O_6$
2,3-Bis(acetyloxy)benzoic acid, *in* D-00315

$C_{11}H_{10}O_8S_2$
Menadiol disulfate, *in* D-00333

$C_{11}H_{11}ClN_4O_2$
Fenobam, F-00059

$C_{11}H_{11}ClO_3$
▷Alclofenac, A-00103

$C_{11}H_{11}Cl_2NO_3S$
▷Dichlormezanone, D-00178

$C_{11}H_{11}Cl_2N_3O$
▷Muzolimine, M-00473

$C_{11}H_{11}Cl_4NO_2$
▷Chlorbetamide, C-00197

$C_{11}H_{11}CuN_2O_2S$
Allocupreide, A-00127

$C_{11}H_{11}F_3N_2O_3$
▷Flutamide, F-00224

$C_{11}H_{11}IN_2O$
1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00286

$C_{11}H_{11}I_3O_3$
▷Iophenoxic acid, I-00128

$C_{11}H_{11}NO$
▷4-Amino-2-methyl-1-naphthol, A-00285
8-Ethoxyquinoline, *in* H-00211

$C_{11}H_{11}NO_2$
2-Methyl-3-indoleacetic acid, M-00263
▷1-Methyl-3-phenyl-2,5-pyrrolidinedione, M-00294

$C_{11}H_{11}NO_3S$
Nesosteine, N-00077

$C_{11}H_{11}NO_4S$
8-Ethoxy-5-quinolinesulfonic acid, E-00171

$C_{11}H_{11}N_3O$
4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, A-00288

$C_{11}H_{11}N_3O_2$
Piroximone, P-00353

$C_{11}H_{11}N_3O_2S$
Nitramisole, N-00166
▷Sulphapyridine, S-00252

$C_{11}H_{11}N_3S$
Tinazoline, T-00292

$C_{11}H_{11}N_4NaO_2S$
▷Sulfamerazine sodium, *in* S-00242

$C_{11}H_{11}N_5$
▷2,6-Diamino-3-phenylazopyridine, D-00133

$C_{11}H_{11}N_5O_5$
▷[[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-imino]bis-(methanol), *in* F-00280

$C_{11}H_{12}AsNO_5S_2$
▷Arsenamide, A-00450

$C_{11}H_{12}BrNO$
3-(3-Bromophenyl)-*N*-ethyl-2-propenamide, *in* B-00314

$C_{11}H_{12}Br_2N_2O_5$
Bromamphenicol, B-00284

$C_{11}H_{12}ClNO_3S$
▷Chlormezanone, C-00210

$C_{11}H_{12}Cl_2N_2O$
Lofexidine, L-00075

$C_{11}H_{12}Cl_2N_2O_5$
▷Chloramphenicol, C-00195

$C_{11}H_{12}Cl_3N$
Amphecloral, A-00366

$C_{11}H_{12}F_3NO$
▷Flumexadol, F-00160

$C_{11}H_{12}I_3NO_2$
▷Iopanoic acid, I-00125

$C_{11}H_{12}NO$
2-Methyl-1*H*-indole-3-acetamide, *in* M-00263

$C_{11}H_{12}NO_4PS_2$
▷Phosmet, P-00213

$C_{11}H_{12}N_2O$
▷1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00284
Peganine, P-00050

$C_{11}H_{12}N_2O_2$
4-Amino-6,7-dimethoxyquinoline, A-00250
2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-1*H*-imidazole, D-00280
▷2-(Dimethylamino)-5-phenyl-4(5*H*)-oxazolone, D-00417
▷2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, E-00174
▷3-Ethyl-5-phenyl-2,4-imidazolidinedione, E-00214
▷5-Ethyl-5-phenyl-2,4-imidazolinedione, E-00215
Metazamide, M-00153
5-Oxo-2-pyrrolidinecarboxylic acid; Anilide, *in* O-00140
Tryptophan, T-00567

$C_{11}H_{12}N_2O_2S_2$
Antazonite, A-00401

$C_{11}H_{12}N_2O_3$
Bemarinone, B-00031
▷5-Hydroxytryptophan, H-00219

$C_{11}H_{12}N_2O_6$
Acesaniamide, A-00017

$C_{11}H_{12}N_2S$
▷Tetramisole, T-00151

$C_{11}H_{12}N_3O^{\oplus}$
4-Amino-6-methoxy-1-phenylpyridazinium(1+), A-00279

$C_{11}H_{12}N_4O_2$
3-(4-Morpholinyl)-1,2,3-benzotriazin-4(3*H*)-one, M-00451
▷Panidazole, P-00013
▷Todralazine, T-00338

$C_{11}H_{12}N_4O_2S$
Sulfaperin, S-00206
▷Sulphamerazine, S-00242

$C_{11}H_{12}N_4O_3S$
▷Sulfametopyrazine, S-00198
▷Sulfamonomethoxime, S-00200
▷Sulphamethoxydiazine, S-00245
▷Sulphamethoxypyridazine, S-00246

$C_{11}H_{12}O_3$
1-(4-Hydroxyphenyl)-1-propanone; Ac, *in* H-00193
1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid, T-00118

$C_{11}H_{12}O_4$
2-Acetoxybenzoic acid; Et ester, *in* A-00026
2-Hydroxybenzyl alcohol; Di-Ac, *in* H-00116
4-Hydroxybutanoic acid; Benzoyl, *in* H-00118

$C_{11}H_{12}O_4S$
Mercaptobutanedioic acid; *S*-Benzyl, *in* M-00115

$C_{11}H_{12}O_5$
3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid; Et ester, *in* T-00480
3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid; 3,5-Di-Me ether, *in* T-00480

$C_{11}H_{12}O_8P_2$
1,4-Dihydroxy-2-methylnaphthalene; Bis(dihydrogen phosphate), *in* D-00333

$C_{11}H_{13}BrN_2O_5$
5-(2-Bromovinyl)-2′-deoxyuridine, B-00322

$C_{11}H_{13}BrN_2O_6$
5-Bromo-2′-deoxyuridine; 3′-Ac, *in* B-00296

$C_{11}H_{13}ClF_3N_3O_4S_3$
▷Polythiazide, P-00386

$C_{11}H_{13}Cl_3N_4O_4$
Triclofylline, T-00451

$C_{11}H_{13}FN_2O_6$
2′-Deoxy-5-fluorouridine; 3′-Ac, *in* D-00079
2′-Deoxy-5-fluorouridine; 5′-Ac, *in* D-00079

$C_{11}H_{13}IN_2O_6$
2′-Deoxy-5-iodouridine; 3′-Ac, *in* D-00081

$C_{11}H_{13}N$
▷Pargyline, P-00037

$C_{11}H_{13}NO$
1,2,3,4-Tetrahydroisoquinoline; *N*-Ac, *in* T-00120

$C_{11}H_{13}NO_2$
2-Amino-1-phenyl-1-propanone; *N*-Ac, *in* A-00309
Cyclopropyl(phenylmethyl)carbamic acid, C-00636
▷*N*-(2-Hydroxyethyl)cinnamamide, H-00130
5-Methyl-6-phenyl-3-morpholinone, M-00291

$C_{11}H_{13}NO_2S$
▷Tifemoxone, T-00263

$C_{11}H_{13}NO_3$
4-(2-Hydroxybenzoyl)morpholine, H-00115
Thurfyl nicotinate, T-00222
▷Toloxatone, T-00360

$C_{11}H_{13}NO_4$
▷Bendiocarb, B-00046
N-Carboxy-4-aminobenzoic acid; Propyl ester, *in* C-00064
▷Mephenoxalone, M-00095
Moxadolen, M-00458

$C_{11}H_{13}NO_5$
Forfenimex; *N*-Ac, *in* F-00243

$C_{11}H_{13}NO_7$
Clavulanic acid; 3-Hydroxypropanoyl, *in* C-00410

$C_{11}H_{13}N_3$
2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]imidazole, T-00130

$C_{11}H_{13}N_3O$
▷4-Amino-1,2-dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, A-00244
Ciamexon, C-00318
Feprosidnine, F-00086
Tryptophan; Amide, *in* T-00567

$C_{11}H_{13}N_3O_3S$
Sulfatroxazole, S-00212
▷Sulfisoxazole, S-00215
▷Sulphamoxole, S-00248

$C_{11}H_{13}N_3O_5$
Propenidazole, P-00494

$C_{11}H_{13}N_5$
Indanidine, I-00051

$C_{11}H_{13}N_5O_2S$
Tivanidazole, T-00327

$C_{11}H_{13}N_5O_5$
Azidamfenicol, A-00519

$C_{11}H_{14}AsNO_3S_2$
Arsthinol, A-00451

$C_{11}H_{14}ClNO$
▷Fenaclon, F-00031

$C_{11}H_{14}ClNO_2$
Buclosamide, B-00340

$C_{11}H_{14}ClN_3O_3S$
▷Glyclopyramide, G-00068

$C_{11}H_{14}ClN_3O_3S_2$
Tizolemide, T-00331

$C_{11}H_{14}ClN_3O_4S_3$
Althiazide, A-00157

$C_{11}H_{14}ClN_5$
▷Cycloguanil, C-00603

$C_{11}H_{14}F_3NO$
▷Fludorex, F-00145

$C_{11}H_{14}N_2O$
▷5-Methoxytryptamine, *in* H-00218

$C_{11}H_{14}N_2O_2$
▷Pheneturide, P-00153

$C_{11}H_{14}N_2O_3S$
Sulfadicramide, S-00192

$C_{11}H_{14}N_2O_4$
▷Felbamate, *in* P-00200
Glutamine; N^4-(4-Hydroxyphenyl), *in* G-00060

$C_{11}H_{14}N_2S$
Pyrantel, P-00558
5,6,7,8-Tetrahydro-4-methylquinoline-8-carbothiamide, T-00128
Tiquinamide, T-00320

$C_{11}H_{14}N_2S_2$
Picartamide, P-00231

$C_{11}H_{14}N_4O$
Idralfidine, I-00018

$C_{11}H_{14}N_4O_2$
▷Epirizole, E-00083

$C_{11}H_{14}N_4O_2S_2$
Glyprothiazol, G-00078

$C_{11}H_{14}N_4O_4$
▷Doxofylline, D-00596

$C_{11}H_{14}N_4O_4S$
▷6-(Methylthio)-9-β-D-ribofuranosyl-9*H*-purine, *in* T-00204

$C_{11}H_{14}N_4O_5$
3-Deazaguanosine, *in* D-00115

$C_{11}H_{14}O_2$
▷Butyl benzoate, *in* B-00092
tert-Butyl benzoate, *in* B-00092
▷1,2-Dimethoxy-4-(2-propenyl)benzene, *in* M-00215
2-Isopropoxyacetophenone, *in* H-00107

$C_{11}H_{14}O_3$
▷Butyl 4-hydroxybenzoate, *in* H-00113

$C_{11}H_{14}O_6S$
2-Hydroxy-5-sulfobenzoic acid; Di-Et ester, *in* H-00214

$C_{11}H_{15}BrN_2O$
Bromamid, B-00283

$C_{11}H_{15}BrN_2O_3$
▷5-(2-Bromoallyl)-5-*sec*-butylbarbituric acid, B-00290
Pronarcon, P-00482

$C_{11}H_{15}ClN_2OS$
▷Fopirtoline, F-00242

$C_{11}H_{15}ClN_2O_2$
Clormecaine, *in* A-00224
▷Iproclozide, I-00158

$C_{11}H_{15}ClN_2O_5$
5-(2-Chloroethyl)-2′-deoxyuridine, *in* C-00239

$C_{11}H_{15}ClN_4O_4$
Adechlorin, A-00066

$C_{11}H_{15}ClO_2$
▷2-(3-Chlorophenyl)-3-methyl-2,3-butanediol, C-00267
▷Phenaglycodol, P-00139

$C_{11}H_{15}Cl_2N_5$
Chlorproguanil, C-00297

$C_{11}H_{15}N$
4-Amino-5-phenyl-1-pentene, A-00307
1-Ethyl-1,2,3,4-tetrahydroquinoline, E-00223
2-Phenylcyclopentylamine, P-00185
1,2,3,4-Tetrahydroisoquinoline; *N*-Et, *in* T-00120

$C_{11}H_{15}NO$
4-Aminobenzaldehyde; *N*,*N*-Di-Et, *in* A-00210
▷Dimepropion, D-00382
▷3-Methyl-2-phenylmorpholine, M-00290
1-Phenyl-2-propylamine; *N*-Ac, *in* P-00202

$C_{11}H_{15}NO_2$
2-Aminobenzoic acid; *N*-Di-Et, *in* A-00215
4-Aminobenzoic acid; *N*-Di-Et, *in* A-00216
(4-Aminophenyl)acetic acid; *N*-Me, Et ester, *in* A-00299
▷Butamben, *in* A-00216
5-Butyl-2-pyridinecarboxylic acid; Me ester, *in* B-00432
▷Isobutoform, *in* A-00216
Methoxyphedrine, M-00210
β-O-Ethylsynephrine, *in* S-00286
1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline, T-00117
2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol, T-00122

$C_{11}H_{15}NO_3$
2-(2-Ethoxyethoxy)benzamide, E-00164
N-(4-Ethoxyphenyl)-2-hydroxypropanamide, *in* H-00207
▷Hydroxyphenamate, *in* P-00179
▷1-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propylamine, M-00201

$C_{11}H_{15}NO_4$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; Et ester, *in* A-00248
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; 3,4-Di-Me ether, *in* A-00248

$C_{11}H_{15}NO_4S$
Ethebenecid, E-00152

$C_{11}H_{15}NO_5$
▷Methocarbamol, *in* G-00095

$C_{11}H_{15}NO_5S$
Tosulur, T-00391

$C_{11}H_{15}N_2O_4P$
Baeocystine, *in* D-00411

$C_{11}H_{15}N_3O_4$
▷Pyricarbate, P-00568

$C_{11}H_{15}N_3O_5$
Anaxirone, A-00378

$C_{11}H_{15}N_3O_6$
6-Azauridine; 2′,3′-*O*-Isopropylidene, *in* A-00514

$C_{11}H_{15}N_5$
Zindotrine, Z-00019

$C_{11}H_{15}N_5O_3$
1-[3-Azido-4-(hydroxymethyl)cyclopentyl]-5-methyl-2,4(1*H*,3*H*)pyrimidinedione, A-00522

$C_{11}H_{15}N_5O_4$
9-Arabinofuranosyladenine; 6*N*-Me, *in* A-00435
2-Methyladenosine, M-00219

$C_{11}H_{15}N_5O_5$
1-Methylisoguanosine, M-00265

$C_{11}H_{16}BrNO_2$
4-Bromo-2,5-dimethoxy-α-methylphenethylamine, B-00298

$C_{11}H_{16}ClNO$
Clorprenaline, C-00502

$C_{11}H_{16}ClN_3O_4S_2$
Buthiazide, B-00401

$C_{11}H_{16}ClN_5$
▷Chlorguanide, C-00204

$C_{11}H_{16}ClO_2PS_3$
▷Carbophenothion, C-00060

$C_{11}H_{16}FN_3O_3$
Carmofur, C-00082

$C_{11}H_{16}NO_5P$
[(4-Nitrophenyl)methyl]phosphonic acid; Di-Et ester, *in* N-00185

$C_{11}H_{16}N_2O$
Tocainide, T-00332

$C_{11}H_{16}N_2O_2$
▷Carbenzide, *in* M-00233
Pilocarpine, P-00252
▷Safrazine, S-00003

$C_{11}H_{16}N_2O_2S$
Buthalital, B-00400

$C_{11}H_{16}N_2O_3$
5-Allyl-5-isopropyl-1-methylbarbituric acid, A-00130
▷Butalbital, B-00386
▷Nifenalol, N-00111
▷Talbutal, T-00007
▷Vinbarbitone, V-00031
Vinylbitone, V-00046

$C_{11}H_{16}N_2O_3S$
Ozolinone, O-00169

$C_{11}H_{16}N_2O_5$
▷Edoxudine, E-00015

$C_{11}H_{16}N_2O_8$
Isospaglumic acid, I-00211
Spaglumic acid, *in* A-00461

$C_{11}H_{16}N_4O$
Lidamidine, L-00043

$C_{11}H_{16}N_4O_4$
▷Pentostatin, P-00105
▷Razoxane, R-00016

$C_{11}H_{16}N_4O_5$
▷Coformycin, C-00532

$C_{11}H_{16}N_4S$
Evandamine, E-00277

$C_{11}H_{16}N_5O_7P$
2-Methyladenosine; 5′-Phosphate, *in* M-00219

$C_{11}H_{16}N_5O_7PS$
2-Methylthioadenosine 5′-(dihydrogen phosphate), M-00311

$C_{11}H_{16}N_6O_3$
3′-Amino-3′-deoxyadenosine; 3′*N*-Me, *in* A-00234

$C_{11}H_{16}N_6O_4$
6-Dimethylamino-8-azaadenosine, D-00404

$C_{11}H_{16}O$
▷1-Phenyl-1-pentanol, P-00194

$C_{11}H_{16}O_4$
▷Guaietolin, G-00093

$C_{11}H_{16}O_8$
Citric acid; Tri-Me ester, Ac, *in* C-00402
Xylose; 2,3,4-Tri-Ac, *in* X-00024

$C_{11}H_{17}BrN^{\oplus}$
Bretylium(1+), B-00271

$C_{11}H_{17}Br_2N$
▷Ordil, *in* B-00271

$C_{11}H_{17}ClN_2O$
Methylnicethamide, *in* D-00241

$C_{11}H_{17}ClO_7P_2$
▷Mifobate, M-00372

$C_{11}H_{17}Cl_3N_2O_2S$
▷Chlordantoin, C-00199

$C_{11}H_{17}N$
▷Etilamfetamine, *in* P-00202
▷2-Methyl-3-phenyl-2-butylamine, M-00288
1-Phenyl-2-propylamine; *N*,*N*-Di-Me, *in* P-00202

$C_{11}H_{17}NO$
▷2-Dimethylamino-1-phenyl-1-propanol, D-00418
Methoxyphenamine, M-00211
▷Mexiletine, M-00351
▷Tecomanine, T-00049

$C_{11}H_{17}NO_2$
Deterenol, D-00106
▷Metaterol, M-00151
Octopamine; Di-Me ether, *N*-Me, *in* O-00022

$C_{11}H_{17}NO_3$
Dioxethedrin, D-00476
▷Isoprenaline, I-00198
▷Mescaline, M-00131
▷Methoxamine, M-00194
▷Orciprenaline, O-00053

$C_{11}H_{17}NO_4$
Dimetofrine, D-00459

$C_{11}H_{17}N_2O^{\oplus}$
3-(Diethylcarbamoyl)-1-methylpyridinium(1+), D-00241

$C_{11}H_{17}N_3O$
Meobentine, M-00093

$C_{11}H_{17}N_3O_3$
▷Emorfazone, E-00040

$C_{11}H_{17}N_3O_3S$
▷Carbutamide, C-00070

$C_{11}H_{17}N_3O_5$
▷Carbubarb, C-00068

$C_{11}H_{17}N_3O_8$
▷Tetrodotoxin, T-00156

$C_{11}H_{17}N_5O_2$
Dimethazan, D-00389

$C_{11}H_{17}N_5O_3$
▷Cafaminol, C-00008

$C_{11}H_{18}ClN_5S$
▷Mezilamine, M-00357

$C_{11}H_{18}NO_5P$
Phosphonoformic acid; *C*,*P*-di-Et ester, anilinium salt, *in* P-00216

$C_{11}H_{18}N_2OS$
Tamitinol, T-00022

$C_{11}H_{18}N_2O_2S$
▷Thiopental, T-00206

$C_{11}H_{18}N_2O_3$
▷Amobarbital, A-00352
▷Pentobarbitone, P-00101

$C_{11}H_{18}N_2O_3S$
Metalol, M-00148

$C_{11}H_{18}N_2O_4Pt$
[1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{ν},N^{1})platinum, C-00598

$C_{11}H_{18}N_4O_3$
Imuracetam, I-00047

Pimonidazole, P-00262

$C_{11}H_{19}NO_3S$
N-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)glycine, C-00633

$C_{11}H_{19}N_3O_2$
Piperacetam, P-00281

$C_{11}H_{20}N_3O_3PS$
▷Pirimiphos-methyl, P-00330
▷Pyrimitate, P-00587

$C_{11}H_{20}O_2$
3,3,5-Trimethylcyclohexanol; Ac, *in* T-00506
▷10-Undecenoic acid, U-00008

$C_{11}H_{20}O_4$
Nonanedioic acid; Di-Me ester, *in* N-00203

$C_{11}H_{21}Cl_2O_4P$
2,2-Dichlorovinyl methyl octyl phosphate, D-00205

$C_{11}H_{21}N$
▷Mecamylamine, M-00041

$C_{11}H_{21}NO_5$
Pantothenic acid; Et ester, *in* P-00016

$C_{11}H_{22}NO_2S$
10-(Methylsulfonyl)decanenitrile, M-00307

$C_{11}H_{22}N_3O_3P$
Meturedepa, M-00345

$C_{11}H_{22}O_2$
2,2-Dipropylpentanoic acid, D-00525

$C_{11}H_{23}NO$
2,2-Dipropylpentanamide, *in* D-00525

$C_{11}H_{23}N_7$
Meladrazine, M-00073

$C_{11}H_{24}ClO_6P_2$
Tetraisopropyl dichloromethylenebisphosphonate, *in* D-00194

$C_{11}H_{24}FeNO_{11}$
▷Ferrocholinate, *in* C-00308

$C_{11}H_{24}O_3$
▷1,3-Dibutoxy-2-propanol, D-00172

$C_{11}H_{24}O_4$
1,1,2,2-Tetraethoxypropane, *in* P-00600

$C_{11}H_{25}N$
Iproheptine, *in* M-00257

$C_{11}H_{25}N_2O_2^{\oplus}$
Miokinine, *in* O-00059

$C_{11}H_{28}Br_2N_2$
▷Pentamethonium bromide, *in* P-00084

$C_{11}H_{28}I_2N_2$
Pentamethonium iodide, *in* P-00084

$C_{11}H_{28}N_2^{\oplus\oplus}$
Pentamethonium (2+), P-00084

$C_{12}H_4O_{16}S_4Sb^{\ominus\ominus\ominus\ominus\ominus}$
Bis[4,5-dihydroxy-1,8-benzenedisulfonato(4−)-O^4,O^5]-antimonate(5−), B-00207

$C_{12}H_6Br_4O_2$
3,3′,5,5′-Tetrabromo[1,1′-biphenyl]-2,2′-diol, T-00103

$C_{12}H_6Cl_2N_2O_6$
▷Niclofolan, N-00092

$C_{12}H_6Cl_4I^{\oplus}$
Feniodium(1+), F-00054

$C_{12}H_6Cl_4O_2S$
▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204

$C_{12}H_6Cl_4O_3S$
▷Bithionoloxide, *in* B-00204

$C_{12}H_6Cl_5I$
▷Feniodium chloride, *in* F-00054

$C_{12}H_6N_2O_2$
▷4,7-Phenanthroline-5,6-dione, P-00144

$C_{12}H_6Na_6O_{12}S_6Sb_2$
▷Stibocaptate, S-00149

$C_{12}H_7Br_4O_5P$
Bromofenofos, *in* T-00103

$C_{12}H_7ClN_2O_3$
Quazolast, *in* C-00259

$C_{12}H_7Cl_3O_2$
▷2,4,4′-Trichloro-2′-hydroxydiphenyl ether, T-00437

$C_{12}H_7N_3O_2$
4,7-Phenanthroline-5,6-dione; Monoxime, *in* P-00144

$C_{12}H_7N_5O_9$
▷Nifursol, N-00132

$C_{12}H_8BrI$
Dibenziodolium; Bromide, *in* D-00157

$C_{12}H_8ClI$
Dibenziodolium; Chloride, *in* D-00157

$C_{12}H_8Cl_2N_2O_2$
2-[(2,3-Dichlorophenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326

$C_{12}H_8Cl_2O_2S$
▷2,2′-Thiobis(4-chlorophenol), T-00194

$C_{12}H_8Cl_6O$
▷Dieldrin, D-00222
▷Endrin, E-00051

$C_{12}H_8FI$
Dibenziodolium; Fluoride, *in* D-00157

$C_{12}H_8I^{\oplus}$
Dibenziodolium, D-00157

$C_{12}H_8INO_3$
Dibenziodolium; Nitrate, *in* D-00157

$C_{12}H_8I_2$
Dibenziodolium; Iodide, *in* D-00157

$C_{12}H_8N_4O_6S$
▷Nifurzide, N-00137

$C_{12}H_8OS$
Dibenzothiophene; 5-Oxide, *in* D-00160

$C_{12}H_8O_2S$
Dibenzothiophene; 5,5-Dioxide, *in* D-00160

$C_{12}H_8O_4$
5-Hydroxy-1,4-naphthoquinone; Ac, *in* H-00179
▷Xanthotoxin, X-00007

$C_{12}H_8S$
Dibenzothiophene, D-00160

$C_{12}H_9ClFN_5$
Arprinocid, A-00448

$C_{12}H_9ClO$
4-Chlorophenol; Ph ether, *in* C-00260
(1-Naphthyl)acetic acid; Chloride, *in* N-00044

$C_{12}H_9Cl_2NO_2S$
4-[(2,6-Dichlorophenyl)amino]-3-thiopheneacetic acid, D-00200

$C_{12}H_9Cl_3N_2O_2S$
Lotifazole, L-00103

$C_{12}H_9F_3N_2O_2$
Leflunomide, L-00019

$C_{12}H_9N$
▷(1-Naphthyl)acetic acid; Nitrile, *in* N-00044

$C_{12}H_9NO_2$
3-Pyridinecarboxylic acid; Ph ester, *in* P-00571

$C_{12}H_9NO_6$
▷Miloxacin, M-00377

$C_{12}H_9NS$
▷Phenothiazine, P-00167

$C_{12}H_9N_3O$
Milrinone, M-00378

$C_{12}H_9N_3O_5$
▷Nifuroxazide, N-00126

$C_{12}H_9N_3O_5S$
Nitazoxanide, N-00162

$C_{12}H_9N_5O_3$
▷Ciadox, C-00317

$C_{12}H_{10}BrI$
Diphenyliodonium(1+); Bromide, *in* D-00495

$C_{12}H_{10}BrNO_2S$
Brofezil, B-00279

$C_{12}H_{10}ClI$
Diphenyliodonium(1+); Chloride, *in* D-00495

$C_{12}H_{10}Cl_2N_2O_2S$
Pazoxide, P-00047

$C_{12}H_{10}F_2N_2O_3$
Zardaverine, Z-00007

$C_{12}H_{10}F_3N_3O_4$
Nilutamide, N-00143

$C_{12}H_{10}Fe_3O_{14}$
Ferrous citrate, F-00092

$C_{12}H_{10}I^{\oplus}$
Diphenyliodonium(1+), D-00495

$C_{12}H_{10}INO_2$
Diphenyliodonium(1+); Nitrate, *in* D-00495

$C_{12}H_{10}I_2$
Diphenyliodonium(1+); Iodide, *in* D-00495

$C_{12}H_{10}Mg_3O_{14}$
Magnesium citrate, M-00007

$C_{12}H_{10}N_2O$
2-Aminopyridine; *N*-Benzoyl, *in* A-00325
3-Pyridinecarboxylic acid; Anilide, *in* P-00571

$C_{12}H_{10}N_2O_3S$
Tiacrilast, T-00235

$C_{12}H_{10}N_2O_4$
▷Nifurpirinol, N-00128

$C_{12}H_{10}N_2O_5$
▷Cinoxacin, C-00377

$C_{12}H_{10}O_2$
▷2,3-Dimethyl-1,4-naphthoquinone, D-00433
2,7-Dimethyl-1,4-naphthoquinone, D-00434
▷(1-Naphthyl)acetic acid, N-00044

$C_{12}H_{10}O_3$
2,2′-Dihydroxydiphenyl ether, D-00325
5-Methoxy-2-methyl-1,4-naphthoquinone, *in* H-00167
Spizofurone, S-00134

$C_{12}H_{10}O_3S$
Benzenesulfonic acid; Ph ester, *in* B-00075

$C_{12}H_{10}O_4$
4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, D-00290
7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; 7-*O*-Ac, *in* H-00156
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Et ester, *in* O-00125

$C_{12}H_{10}O_5S_2$
Benzenesulfonic acid; Anhydride, *in* B-00075

$C_{12}H_{10}O_6$
[(7-Hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-6-yl)oxy]-acetic acid, *in* D-00332

$C_{12}H_{11}Br_3N_2O_5$
Broxitalamic acid, B-00333

$C_{12}H_{11}ClHg_2O_5$
Basic phenylmercury perchlorate, *in* H-00125

$C_{12}H_{11}ClN_2O_5S$
▷Frusemide, F-00267

$C_{12}H_{11}ClN_6O_2S_2$
▷Azosemide, A-00530

$C_{12}H_{11}Cl_2N_3O_2$
Azaconazole, A-00494

$C_{12}H_{11}Hg_2NO_4$
μ-Hydroxydiphenyldimercury(1+); Nitrate, *in* H-00125

$C_{12}H_{11}Hg_2O^{\oplus}$
μ-Hydroxydiphenyldimercury(1+), H-00125

$C_{12}H_{11}I_3N_2O_4$
▷3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, *in* D-00138
▷Iodamide, I-00095

$C_{12}H_{11}I_3N_2O_5$
5-Acetamido-*N*-[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, *in* D-00138

$C_{12}H_{11}NO$
5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293
▷(1-Naphthyl)acetic acid; Amide, *in* N-00044

$C_{12}H_{11}NO_2$
Methylcarbamic acid; 2-Naphthyl ester, *in* M-00238
▷1-Naphthalenyl methylcarbamate, *in* M-00238

$C_{12}H_{11}NO_2S$
▷Benzenesulfonic acid; Anilide, *in* B-00075

$C_{12}H_{11}NO_3S$
2-[4-(2-Thiazolyloxy)phenyl]propanoic acid, T-00186

$C_{12}H_{11}N_3$
Mefenidil, M-00063

$C_{12}H_{11}N_3O_2$
Caerulomycin, C-00006

$C_{12}H_{11}N_3O_3$
Caerulomycin B, *in* C-00006

$C_{12}H_{11}N_5O$
Pelrinone, P-00055

$C_{12}H_{11}N_7$
▷2,4,7-Triamino-6-phenylpteridine, T-00420
2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]pyrimidine, T-00421

$C_{12}H_{11}N_7O_2$
2,4,7-Triamino-6-phenylpteridine; 5,8-Dioxide, *in* T-00420

$C_{12}H_{12}ClNO_4$
Eclazolast, E-00008

$C_{12}H_{12}Cl_2N_4$
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, D-00123

$C_{12}H_{12}FNO$
Cinflumide, C-00366

$C_{12}H_{12}N_2O_2$
Cyclazodone, C-00589
(2-Imidazol-1-yl)ethyl benzoate, I-00031
3-Methyl-2-quinoxalinecarboxylic acid; Et ester, *in* M-00304

$C_{12}H_{12}N_2O_2S$
▷3,3′-Diaminodiphenyl sulfone, D-00128
▷4,4′-Diaminodiphenyl sulfone, D-00129
Enoximone, E-00062
Sulfanilanilide, S-00202

$C_{12}H_{12}N_2O_3$
Dazoxiben, D-00029
▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
▷Nalidixic acid, N-00029

$C_{12}H_{12}N_2O_4S$
Supidimide, S-00272

$C_{12}H_{12}N_2O_5$
Temodox, T-00063

$C_{12}H_{12}N_2O_8$
4,5-Dinitro-1,2-benzenedicarboxylic acid; Di-Et ester, *in* D-00467

$C_{12}H_{12}N_4OS$
Motapizone, M-00454

$C_{12}H_{12}N_4O_3$
▷Benznidazole, B-00089
Furafylline, F-00278

$C_{12}H_{12}O_6$
1,3,5-Benzenetriol; Tri-Ac, *in* B-00076
2,5-Dihydroxybenzoic acid; Me ester, di-Ac, *in* D-00316

$C_{12}H_{13}BF_4Hg_2O_2$
Basic phenylmercury tetrafluoroborate, *in* H-00125

$C_{12}H_{13}BHg_2O_4$
[[Orthoborato(1−)-*O*]phenyl]mercury, *in* H-00191

$C_{12}H_{13}BrN_4O_2S$
Sulfabromomethazine, S-00185

$C_{12}H_{13}Br_2NO_3$
Fursalan, F-00298

$C_{12}H_{13}ClN_2O_3$
Tryptophan; *N*-Chloroacetyl, *in* T-00567

$C_{12}H_{13}ClN_4$
▷Pyrimethamine, P-00585

$C_{12}H_{13}ClN_4O_2S$
▷Sulfaclomide, S-00188

$C_{12}H_{13}ClN_4O_6S_2$
Sumetizide, S-00269

$C_{12}H_{13}Cl_2N_3$
Alinidine, A-00120

$C_{12}H_{13}Cl_2N_5$
Palatrigine, P-00004

$C_{12}H_{13}F_3N_2O_2$
Fluzinamide, F-00235

$C_{12}H_{13}I_3N_2O_2$
▷Iopodic acid, I-00129

$C_{12}H_{13}I_3N_2O_3$
▷Iocetamic acid, I-00094
▷Iomeglamic acid, I-00120

$C_{12}H_{13}NO$
Nafomine, N-00019

$C_{12}H_{13}NO_2$
▷1,3-Dimethyl-3-phenyl-2,5-pyrrolidinedione, D-00447
2-Methyl-3-indoleacetic acid; Me ester, *in* M-00263
Shihunine, S-00062

$C_{12}H_{13}NO_2S$
▷2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione, E-00219

$C_{12}H_{13}NO_3$
5-Hydroxy-2-methyl-3-indolecarboxylic acid; Et ester, *in* H-00163
1-(4-Methoxybenzoyl)-2-pyrrolidinone, M-00197
5-Oxo-2-pyrrolidinecarboxylic acid; Benzyl ester, *in* O-00140

$C_{12}H_{13}N_3$
Di(4-pyridylmethyl)amine, D-00531

$C_{12}H_{13}N_3O$
Fenyripol, F-00082

$C_{12}H_{13}N_3O_2$
▷Isocarboxazid, I-00181
▷Tris(1-aziridinyl)-1,4-benzoquinone, T-00533

$C_{12}H_{13}N_3O_3S$
Fexinidazole, F-00098

$C_{12}H_{13}N_3O_4$
▷Olaquindox, O-00034

$C_{12}H_{13}N_3O_4S$
Acetylsulfamethoxazole, *in* S-00244

$C_{12}H_{13}N_5O_2S$
Prontosil, P-00484

$C_{12}H_{13}N_5O_4$
Carprazidil, C-00098

$C_{12}H_{13}N_5O_5$
Nifurizone, N-00123

$C_{12}H_{14}ClNO_3$
Stypticin, *in* C-00552

$C_{12}H_{14}ClNO_4$
Diproxadol, D-00528

$C_{12}H_{14}ClN_3O_2S_2$
Butadiazamide, B-00383

$C_{12}H_{14}Cl_2FNO_4S$
Florfenicol, F-00124

$C_{12}H_{14}Cl_2NO_3PS_2$
Benoxafos, B-00058

$C_{12}H_{14}Cl_3O_4P$
▷Chlorfenvinphos, C-00203

$C_{12}H_{14}F_3NO$
α-Methyl-*m*-(trifluoromethyl)phenethylamine; Ac, *in* M-00312

$C_{12}H_{14}N_2$
4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
4-[(2,6-Dimethylphenyl)methyl]-1*H*-imidazole, D-00446
Efetozole, E-00018
2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]indole, T-00116

$C_{12}H_{14}N_2O$
Acetryptine, A-00027
Tryptamine; N^b-Ac, *in* T-00566

$C_{12}H_{14}N_2O_2$
2-Benzimidazolepropionic acid; Et ester; B,HCl, *in* B-00083
4-Ethyl-6,7-dimethoxyquinazoline, E-00181
3-Ethyl-3-phenyl-2,6-piperazinedione, E-00216
▷Methetoin, M-00179
▷Methoin, M-00188
▷Primidone, P-00436
Tryptophan; Me ester, *in* T-00567

$C_{12}H_{14}N_2O_2S_2$
Bensuldazic acid, B-00065

$C_{12}H_{14}N_2O_3$
▷5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, C-00629
▷Deboxamet, D-00032
Diproqualone, D-00526

$C_{12}H_{14}N_2O_3S$
Tioxidazole, T-00309
Tiprinast, T-00316

$C_{12}H_{14}N_2O_4$
▷Ruvazone, R-00107

$C_{12}H_{14}N_4O_2S$
▷Sulfamethazine, S-00196
▷Sulphasomidine, S-00254

$C_{12}H_{14}N_4O_3S$
Sulfacytine, S-00191
▷Sulfametomidine, S-00197

$C_{12}H_{14}N_4O_4S$
▷Sulfadoxine, S-00193
▷Sulphadimethoxine, S-00238
▷Sulphamoprine, S-00247

$C_{12}H_{14}N_4O_6$
Inosine; 3′-Ac, *in* I-00073

$C_{12}H_{14}N_4O_7$
Cadeguomycin, C-00003

$C_{12}H_{14}N_6O_{10}S_2$
Carumonam, C-00104

$C_{12}H_{14}Na_5O_{16}S_4Sb$
▷Stibophen, *in* B-00207

$C_{12}H_{14}O_2$
Fenabutene, *in* M-00298

$C_{12}H_{14}O_2S_2$
Ditophal, D-00553

$C_{12}H_{14}O_3$
▷Aceteugenol, *in* M-00215
▷Furofenac, F-00295
1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; Me ester, *in* T-00118

$C_{12}H_{14}O_4$
3-(2,4-Dimethoxyphenyl)-2-butenoic acid, D-00400
Thurfyl salicylate, *in* H-00112

$C_{12}H_{14}O_5$
Cinametic acid, C-00353
2,2-Dimethyl-1,3,5-cyclohexanetrione; Di-Ac, *in* D-00427

$C_{12}H_{14}O_9$
1,2,5-Tri-*O*-acetyl-α-D-glucurono-6,3-lactone, *in* G-00059

$C_{12}H_{15}AsN_6OS_2$
▷Melarsoprol, M-00077

$C_{12}H_{15}ClO_3$
Clofibrate, *in* C-00456

$C_{12}H_{15}Cl_2NO_5S$
Thiamphenicol, T-00179

$C_{12}H_{15}Cl_2N_5O$
Clociguanil, C-00442

$C_{12}H_{15}HgNO_6$
Mercuderamide, M-00122

$C_{12}H_{15}N$
1-(4-Methylphenyl)-3-azabicyclo[3.1.0]hexane, M-00285

$C_{12}H_{15}NO_2$
3-Amino-3,4-dihydro-2-methyl-2*H*-1-benzopyran; *N*-Ac, *in* A-00245
▷N-(2-Hydroxyethyl)-N-methylcinnamamide, *in* H-00130

$C_{12}H_{15}NO_3$
▷Metaxalone, M-00152
N-(2-Hydroxyethyl)-N-methyl-p-hydroxycinnamamide, *in* H-00130

$C_{12}H_{15}NO_3S$
Methionine; *N*-Benzoyl, *in* M-00183
Mezolidon, M-00359
Vanitiolide, V-00009

$C_{12}H_{15}NO_4$
4-(Acetylamino)-2-ethoxybenzoic acid methyl ester, *in* A-00264
Cotarnine, C-00552
▷3-(3,4,5-Trimethoxyphenyl)-2-propenamide, *in* T-00480

$C_{12}H_{15}NO_6$
(Xylosylamino)benzoic acid, X-00025

$C_{12}H_{15}N_2O_3PS$
▷Phoxim, P-00221

$C_{12}H_{15}N_3$
Indanazoline, I-00050

$C_{12}H_{15}N_3O$
Tryptophan; Amide, 1*N*-Me, *in* T-00567

$C_{12}H_{15}N_3O_2S$
▷Albendazole, A-00096

$C_{12}H_{15}N_3O_2S_2$
▷Glybuzole, G-00063

$C_{12}H_{15}N_3O_3$
▷Oxibendazole, O-00109

$C_{12}H_{15}N_3O_3S$
Albendazole oxide, *in* A-00096

$C_{12}H_{15}N_3O_5S$
▷Amezinium metilsulfate, *in* A-00279

$C_{12}H_{15}N_3O_6$
Teroxirone, T-00096

$C_{12}H_{15}N_5O_3S$
Sulfaguanole, S-00194

$C_{12}H_{15}N_5O_5$
Adenosine; 3′-Ac, *in* A-00067
Adenosine; 5′-Ac, *in* A-00067
9-Arabinofuranosyladenine; 3′-Ac, *in* A-00435

$C_{12}H_{15}N_5O_6S$
Oximonam, O-00115

$C_{12}H_{15}N_5O_9S_2$
Tigemonam, T-00268

$C_{12}H_{15}O_{12}S_3Sb$
2,2′,2″-Stibylidynetris[thio]trisbutanedioic acid, S-00150

$C_{12}H_{16}ClNO_3$
▷Meclofenoxate BAN, M-00046

$C_{12}H_{16}ClN_3O$
Carbantel, C-00042

$C_{12}H_{16}ClN_3O_4S_3$
Methalthiazide, M-00166

$C_{12}H_{16}ClN_4S^{\oplus}$
Beclotiamine(1+), B-00025

$C_{12}H_{16}Cl_2N_4S$
Chlorothiamine, *in* B-00025

$C_{12}H_{16}F_3N$
▷Fenfluramine, F-00050

$C_{12}H_{16}F_3NS$
Flutiorex, F-00228

$C_{12}H_{16}N_2$
▷3-(2-Aminobutyl)indole, A-00222
Fenproporex, F-00073
1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, H-00051

$C_{12}H_{16}N_2O$
▷3-(2-Dimethylaminoethyl)-4-hydroxyindole, D-00411
5-Methoxy-N-methyltryptamine, *in* H-00218

$C_{12}H_{16}N_2O_2$
Eltoprazine, E-00030

$C_{12}H_{16}N_2O_3$
▷Cyclobarbitone, C-00596
▷Hexobarbital, H-00065
Ornithine; N^{δ}-Benzoyl, *in* O-00059

$C_{12}H_{16}N_2O_3S$
Tolpyrramide, T-00368

$C_{12}H_{16}N_2O_4S$
Tiapirinol, T-00242

$C_{12}H_{16}N_2S$
▷Morantel, M-00438
▷Xylazine, X-00021

$C_{12}H_{16}N_2S_2$
Lucartamide, L-00111

$C_{12}H_{16}N_3O_3P$
Benzodepa, B-00091

$C_{12}H_{16}N_4O_2$
Taloximine, T-00016

$C_{12}H_{16}N_4O_2S_2$
▷Glybuthiazol, G-00062

$C_{12}H_{16}N_4O_3$
Iprazochrome, I-00156

$C_{12}H_{16}N_6S$
Etintidine, E-00237

$C_{12}H_{16}O_2$
▷Ibufenac, I-00007

$C_{12}H_{16}O_4$
4-Hydroxy-3-(1-hydroxypentyl)benzoic acid, H-00139

$C_{12}H_{16}O_4S_2$
Malotilate, M-00016

$C_{12}H_{16}O_6$
1,2-*O*-Cyclohexylidene-α-D-glucurono-6,3-lactone, *in* G-00059

5,6-*O*-Cyclohexylidene-L-*threo*-hex-2-enono-1,4-lactone, *in* A-00456

$C_{12}H_{16}O_6S$
Protiofate, P-00538

$C_{12}H_{16}O_8$
Phlorin, *in* B-00076

$C_{12}H_{17}ClN_4OS$
▷Thiamine monochloride, *in* T-00174

$C_{12}H_{17}ClO_2$
▷2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, C-00270

$C_{12}H_{17}N$
1-Phenylcyclohexylamine, P-00182

$C_{12}H_{17}NO$
3-Amino-3,4-dihydro-2-methyl-2*H*-1-benzopyran; *N*-Di-Me; B,HCl, *in* A-00245
2-(1-Aminopropyl)-2-indanol, A-00320
▷Diethyltoluamide, *in* M-00230
α-Phenyl-2-piperidinemethanol, P-00197
▷Trebenzomine, *in* A-00245

$C_{12}H_{17}NOS$
Tiletamine, T-00272

$C_{12}H_{17}NO_2$
4′-*tert*-Butoxyacetanilide, B-00419
6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone, C-00612
N-(2-Hydroxyethyl)-*N*-(1-methylethyl)benzamide, *in* A-00253
2-Methylamino-1-phenyl-1-propanol; *N*-Ac, *in* M-00221
2-Methylamino-1-phenyl-1-propanol; *N*-Ac, *in* M-00221
2-(Pentyloxy)benzamide, P-00107

$C_{12}H_{17}NO_3$
▷Bucetin, B-00335
▷Bufexamac, B-00350
2-Butoxyethyl 3-pyridinecarboxylate, B-00421
▷Ethamivan, E-00146
Norbutrine, N-00210
Phenisonone, P-00158
Rimiterol, R-00058

$C_{12}H_{17}NO_3S$
Penicillamine; *S*-Benzyl, *in* P-00064

$C_{12}H_{17}NO_4$
Methyldopate, *in* M-00249
N-Formylmescaline, *in* M-00131

$C_{12}H_{17}N_2O_4P$
▷Psilocybine, *in* D-00411

$C_{12}H_{17}N_3O$
Cimaterol, C-00349

$C_{12}H_{17}N_3O_4S$
Imipenem, I-00039

$C_{12}H_{17}N_4OS^{\oplus}$
▷Thiamine, T-00174

$C_{12}H_{17}N_5$
Bumedipil, B-00355

$C_{12}H_{17}N_5O_4$
9-Arabinofuranosyladenine; 6*N*-Di-Me, *in* A-00435
2,6*N*-Dimethyladenosine, *in* M-00219
▷Nifurpipone, N-00127

$C_{12}H_{17}N_5O_4S$
Thiamine; Nitrate, *in* T-00174

$C_{12}H_{18}ClN$
▷*N*-(3-Chloropropyl)-α-methylphenethylamine, C-00280

$C_{12}H_{18}ClNO$
2-*tert*-Butylamino-1-(2-chlorophenyl)ethanol, B-00426
Etolorex, E-00254

$C_{12}H_{18}ClN_4O_4PS$
Monophosphothiamine chloride, *in* T-00174

$C_{12}H_{18}Cl_2N_2O$
Clenbuterol, C-00419

$C_{12}H_{18}Cl_2N_4OS$
▷Bewon, *in* T-00174

$C_{12}H_{18}FNO$
Flerobuterol, F-00115

$C_{12}H_{18}IN$
2-Ethyl-1,2,3,4-tetrahydro-2-methylisoquinolinium(1+); Iodide, *in* E-00222
Iofetamine, I-00110

$C_{12}H_{18}N^{\oplus}$
2-Ethyl-1,2,3,4-tetrahydro-2-methylisoquinolinium(1+), E-00222

$C_{12}H_{18}NO_3^{\oplus}$
O-(4-Hydroxybenzoyl)choline, *in* C-00308

$C_{12}H_{18}N_2O$
▷Oxotremorine, O-00141
▷Pivhydrazine, P-00365

$C_{12}H_{18}N_2O_2$
3-[(Dimethylamino)(1,3-dioxan-5-yl)methyl]pyridine, D-00406
Nicametate, N-00086

$C_{12}H_{18}N_2O_2S$
Thiamylal, T-00180

$C_{12}H_{18}N_2O_3$
Nealbarbitone, N-00055
▷Quinalbarbitone, Q-00011

$C_{12}H_{18}N_2O_3S$
▷Tolbutamide, T-00345

$C_{12}H_{18}N_2O_4$
Midodrine, M-00369

$C_{12}H_{18}N_2O_5$
▷Hypoglycin *B*, H-00225

$C_{12}H_{18}N_2O_7$
▷Bicyclomycin, B-00158

$C_{12}H_{18}N_4O_2$
1,3-Dipropyl-7-methylxanthine, D-00524
Verofylline, V-00022

$C_{12}H_{18}N_4O_4$
Dupracetam, D-00622

$C_{12}H_{18}N_4O_8$
3-Amino-1-propanol; *O*,*N*-Tri-Me, picrate, *in* A-00319

$C_{12}H_{18}O$
▷2,6-Diisopropylphenol, D-00367
5-Methyl-2-pentylphenol, M-00280

$C_{12}H_{18}O_2$
▷4-Hexyl-1,3-benzenediol, H-00071

$C_{12}H_{18}O_3$
3,5-Diethoxy-4,4-dimethyl-2,5-cyclohexadien-1-one, *in* D-00427
1,3,5-Triethoxybenzene, *in* B-00076

$C_{12}H_{18}O_4$
▷Butopyronoxyl, B-00416

$C_{12}H_{18}O_7$
2,3:4,6-Di-*O*-isopropylidene-β-L-*xylo*-2-hexulosonic acid, *in* H-00070

$C_{12}H_{18}O_8$
1,2,3,4-Tetra-*O*-acetylerythritol, *in* E-00114
Threitol; Tetra-Ac, *in* T-00219

$C_{12}H_{19}BrN_2O_2$
▷Neostigmine bromide, *in* N-00070

$C_{12}H_{19}ClNO_3P$
▷Crufomate, C-00572

$C_{12}H_{19}ClN_4O_7P_2S$
▷Thiamine diphosphate, T-00175

$C_{12}H_{19}NO$
▷1-Aminoadamantane; Ac, *in* A-00206
Etafedrine, E-00133

$C_{12}H_{19}NO_2$
▷Bamethan, B-00010
Fepradinol, F-00084

$C_{12}H_{19}NO_3$
Colterol, C-00537
Metiprenaline, M-00323
N-Methylmescaline, *in* M-00131
Prenalterol, P-00419
▷Terbutaline, T-00084
▷1-(3,4,5-Trimethoxyphenyl)-2-propylamine, T-00504

$C_{12}H_{19}NO_3S$
Lemidosul, L-00021

$C_{12}H_{19}NO_4$
▷Choline salicylate, *in* H-00112

$C_{12}H_{19}N_2O_2^{\oplus}$
▷Neostigmine(1+), N-00070

$C_{12}H_{19}N_3O$
▷Procarbazine, P-00448

$C_{12}H_{19}N_8OP$
▷Pumitepa, P-00556

$C_{12}H_{20}NO^{\oplus}$
Ethyl(3-methoxybenzyl)dimethylammonium(1+), E-00199

$C_{12}H_{20}N_2$
Amiflamine, A-00193
▷Tremorine, T-00409

$C_{12}H_{20}N_2O$
Amiterol, A-00348

$C_{12}H_{20}N_2O_2$
Isamoxole, I-00176

$C_{12}H_{20}N_2O_2S$
Thiotetrabarbital, T-00212

$C_{12}H_{20}N_2O_2S_2$
▷Methitural, M-00184

$C_{12}H_{20}N_2O_3$
▷5-Ethyl-5-(1-ethylbutyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00188
▷Pirbuterol, P-00316

$C_{12}H_{20}N_2O_3S$
Sotalol, S-00106

$C_{12}H_{20}N_2O_4S$
▷Soterenol, S-00107

$C_{12}H_{20}O_6$
1,2-*O*-Cyclohexylidene-*myo*-inositol, *in* I-00074
1,2:4,5-Di-*O*-isopropylidene-*myo*-inositol, *in* I-00074
Topiramate, T-00382

$C_{12}H_{20}O_7$
▷Citric acid; Tri-Et ester, *in* C-00402

$C_{12}H_{21}N$
1-(1-Adamantyl)ethylamine, A-00063
3,5-Dimethyl-1-adamantanamine, D-00402

$C_{12}H_{21}NO$
▷2-(1-Piperidinylmethyl)cyclohexanone, P-00288

$C_{12}H_{21}NO_6$
Tris(2-hydroxyethyl)amine; Tri-Ac, *in* T-00536

$C_{12}H_{21}NO_8S$
MCN 4853, *in* T-00382

$C_{12}H_{21}N_2O_3PS$
▷Diazinon, D-00149

$C_{12}H_{21}N_3S$
Tebatizole, T-00045

$C_{12}H_{21}N_5O$
Arglecin, A-00442

$C_{12}H_{21}N_5O_2S_2$
Nizatidine, N-00192

$C_{12}H_{21}N_5O_3$
▷Cadralazine, C-00004
▷Choline theophyllinate, *in* C-00308

$C_{12}H_{22}FeO_{14}$
▷Ferrous gluconate, F-00093

$C_{12}H_{22}N_2$
1,4-Bis(cyclopropylmethyl)-1,4-piperazine, B-00201

$C_{12}H_{22}N_2O$
Pexantel, P-00133

$C_{12}H_{22}N_2O_2$
Crotethamide, C-00569

$C_{12}H_{22}N_2O_4$
▷Lorbamate, L-00093

$C_{12}H_{22}N_2O_8S_2$
Piposulfan, P-00301

$C_{12}H_{22}O_2$
10-Undecenoic acid; Me ester, *in* U-00008

$C_{12}H_{22}O_3$
Ciclactate, *in* T-00506

$C_{12}H_{22}O_4$
Tartaric acid; Di-*tert*-butyl ester, *in* T-00028
Tartaric acid; Di-*tert*-butyl ether, *in* T-00028

$C_{12}H_{22}O_6$
▷1,2:15,16-Diepoxy-4,7,10,13-tetraoxahexadecane, D-00225
Mannitol; 1,2:3,4-Di-*O*-isopropylidene, *in* M-00018
Mannitol; 1,2:5,6-Di-*O*-isopropylidene, *in* M-00018

$C_{12}H_{22}O_{11}$
Lactulose, L-00005

$C_{12}H_{23}N$
▷1-(Cyclohexylmethyl)piperidine, C-00617
Dimecamine, D-00375

$C_{12}H_{23}N_3O$
Esaprazole, E-00120

$C_{12}H_{24}N_2O_2$
Falintolol, F-00010

$C_{12}H_{24}N_2O_4$
▷Carisoprodol, C-00078

$C_{12}H_{25}NO_2$
N-(2-Ethylhexyl)-3-hydroxybutanamide, E-00192

$C_{12}H_{26}FeN_2O_8$
Ferrotrenine, F-00091

$C_{12}H_{26}I_2N_2O_2$
▷Trepirium iodide, *in* T-00413

$C_{12}H_{26}N_2O_2^{\oplus\oplus}$
Trepirium(2+), T-00413

$C_{12}H_{26}O_6$
Mannitol; Hexa-Me, *in* M-00018

$C_{12}H_{26}O_6P_2S_4$
▷Dioxathion, D-00475

$C_{12}H_{28}N_6$
1,1-Decamethylenediguanidine, D-00037

$C_{12}H_{30}Br_2N_2$
▷Hexamethonium bromide, *in* H-00055

$C_{12}H_{30}Cl_2N_2$
▷Depressin, *in* H-00055

$C_{12}H_{30}I_2N_2$
▷Hexamethonium iodide, *in* H-00055

$C_{12}H_{30}I_2N_2S$
Tiametonium iodide, *in* T-00237

$C_{12}H_{30}N_2^{\oplus\oplus}$
▷Hexamethonium(2+), H-00055

$C_{12}H_{30}N_2S^{\oplus\oplus}$
Tiametonium(2+), T-00237

$C_{12}H_{44}CaFe_6Na_4O_{36}$
Ferriclate calcium sodium, F-00089

$C_{12}H_{54}Al_{16}O_{75}S_8$
Lactalfate, L-00003

$C_{13}H_6ClN_5O_2$
Traxanox, T-00402

$C_{13}H_6Cl_5NO_3$
▷Oxyclozanide, O-00149

$C_{13}H_6Cl_6O_2$
▷2,2′,3,3′,5,5′-Hexachloro-6,6′-dihydroxydiphenylmethane, H-00039

$C_{13}H_7Cl_3O_2$
2,4,5-Trichlorophenol; Benzoyl, *in* T-00441

$C_{13}H_7Cl_6O_5P$
Hexachlorophene monophosphate, *in* H-00039

$C_{13}H_8Br_3NO_2$
▷Tribromsalan, T-00429

$C_{13}H_8ClN_3O$
▷Pifexole, P-00247

$C_{13}H_8Cl_2N_2O_4$
▷Niclosamide, N-00093

$C_{13}H_8Cl_2N_2O_6$
Nitroclofene, N-00174

$C_{13}H_8Cl_2O_4S$
▷Tienilic acid, T-00258

$C_{13}H_8F_2O_3$
▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272

$C_{13}H_8IN$
Dibenziodolium; Cyanide, *in* D-00157

$C_{13}H_8N_2O_3$
10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, O-00138

$C_{13}H_8N_2O_3S$
Nitroscanate, N-00186

$C_{13}H_8N_2O_5S_2$
Saccharin; *N*-(2-Nitrobenzenesulfenyl), *in* S-00002

$C_{13}H_8O_3$
2,7-Dihydroxy-9*H*-fluoren-9-one, D-00327

$C_{13}H_8O_4$
1,6-Dihydroxyxanthone, D-00357

$C_{13}H_9BrN_4O_3$
Azumolene, A-00534

$C_{13}H_9Br_2NO_2$
▷5-Bromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, B-00292
3,5-Dibromo-2-hydroxy-*N*-phenylbenzamide, *in* D-00165

$C_{13}H_9ClN_2O$
2-Anilino-5-chlorobenzoxazole, *in* A-00225

$C_{13}H_9ClO_2$
4-Chlorophenol; Benzoyl, *in* C-00260

$C_{13}H_9Cl_2FN_2S$
Loflucarban, L-00076

$C_{13}H_9Cl_2NO_2$
2′,3′-Dichlorodiphenylamine-2-carboxylic acid, D-00188

$C_{13}H_9Cl_3N_2O$
▷*N*-(4-Chlorophenyl)-*N*′-(3,4-dichlorophenyl)urea, C-00262

$C_{13}H_9FO_3$
4′-Fluoro-4-hydroxy-3-biphenylcarboxylic acid, F-00185

$C_{13}H_9FO_3S$
3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene, A-00032

$C_{13}H_9F_3N_2O_2$
▷Niflumic acid, N-00113
Triflocin, T-00459

$C_{13}H_9N$
Cyclohept[*b*]indole, C-00604
2-Phenylbenzazete, P-00177

$C_{13}H_9NO$
2-(4-Pyridyl)benzofuran, P-00583

$C_{13}H_9NOSe$
2-Phenyl-1,2-benzisoselenazol-3(2*H*)-one, P-00178

$C_{13}H_9N_3O_2S$
▷4-Nitro-4′-isothiocyanatodiphenylamine, N-00180

$C_{13}H_{10}BrNO_3$
N-(4-Bromophenyl)-2,6-dihydroxybenzamide, *in* D-00317

$C_{13}H_{10}ClN_3O_4S_2$
Lornoxicam, L-00098

$C_{13}H_{10}Cl_2O_2$
▷Dichlorophen, D-00198

$C_{13}H_{10}Cl_3NO_2$
2,2,2-Trichloroethanol; 1-Naphthylurethane, *in* T-00434

$C_{13}H_{10}FNO_2$
4′-Fluoro-4-hydroxy-3-biphenylcarboxylic acid; Amide, *in* F-00185

$C_{13}H_{10}I_2O_3$
Furidarone, F-00292

$C_{13}H_{10}N_2$
▷1-Aminoacridine, A-00201
▷2-Aminoacridine, A-00202
▷3-Aminoacridine, A-00203
▷4-Aminoacridine, A-00204
▷9-Aminoacridine, A-00205

$C_{13}H_{10}N_2O_4$
▷1-Hydroxy-6-methoxyphenazine 5,10-dioxide, H-00152
▷2-Phthalimidoglutarimide, P-00223

$C_{13}H_{10}N_2O_5S$
Enoxamast, E-00061

$C_{13}H_{10}N_2S$
3-Amino-1,2-benzisothiazole; *N*-Ph, *in* A-00214

$C_{13}H_{10}N_4$
3-Benzylpyrido[3,4-*e*]-1,2,4-triazine, B-00128

$C_{13}H_{10}N_4O_5$
N,*N*′-Bis(4-nitrophenyl)urea, B-00231

$C_{13}H_{10}OS$
Thiobenzoic acid; *O*-Ph ester, *in* T-00193
Thiobenzoic acid; *S*-Ph ester, *in* T-00193

$C_{13}H_{10}O_2$
▷Phenyl benzoate, *in* P-00161

$C_{13}H_{10}O_2S$
2-(Phenylthio)benzoic acid, *in* M-00114

$C_{13}H_{10}O_3$
▷1,3-Benzenediol; Monobenzoyl, *in* B-00073
1,4-Benzenediol; Monobenzoyl, *in* B-00074
▷2,4-Dihydroxybenzophenone, D-00318
Giparmen, G-00024

$C_{13}H_{10}O_4$
2,2′,4-Trihydroxybenzophenone, T-00472

$C_{13}H_{10}O_5$
Khellol, K-00023

$C_{13}H_{10}O_7$
2,3,3′,4,4′,5′-Hexahydroxybenzophenone, H-00052

$C_{13}H_{11}ClN_2O_2$
▷Clonixin, C-00479

$C_{13}H_{11}ClN_2O_2S$
Nuclomedone, N-00230

$C_{13}H_{11}ClO$
▷2-Benzyl-4-chlorophenol, B-00109

$C_{13}H_{11}ClO_4$
▷Orpanoxin, O-00063

$C_{13}H_{11}NOS$
Thiocarbamic acid; *N*-Ph, *S*-Ph ester, *in* T-00196

$C_{13}H_{11}NO_2$
2-Aminobenzoic acid; Ph ester, *in* A-00215
4-Aminophenol; *O*-Benzoyl, *in* A-00298
3-Hydroxybenzanilide, *in* A-00297
4-Hydroxybenzanilide, *in* A-00298
2-Hydroxy-*N*-phenylbenzamide, *in* H-00112
Phenylcarbamic acid hydroxyphenyl ester, *in* P-00161
2-Pyridinemethanol; *O*-Benzoyl, *in* P-00572
3-Pyridinemethanol; *O*-Benzoyl, *in* P-00573

$C_{13}H_{11}NO_3$
4-Amino-1-naphthoic acid; *N*-Ac, *in* A-00292
5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid, H-00117
▷Osalmid, O-00066
Phenyl aminosalicylate, *in* A-00264

$C_{13}H_{11}NO_3S$
Paracetamol thenoate, *in* A-00298

$C_{13}H_{11}NO_4$
Menadoxime, M-00087

$C_{13}H_{11}NO_4S$
2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid; Me ester, Ac, *in* H-00199

$C_{13}H_{11}NO_5$
▷Oxolinic acid, O-00131

$C_{13}H_{11}N_3$
▷3,6-Diaminoacridine, D-00120

$C_{13}H_{11}N_3O$
▷2-(2-Hydroxy-5-methylphenyl)-2*H*-benzotriazole, H-00172

$C_{13}H_{11}N_3OS$
Timoprazole, T-00289

$C_{13}H_{11}N_3O_2$
Salinazid, S-00016

$C_{13}H_{11}N_3O_4S_2$
▷Sudoxicam, S-00176
Tenoxicam, T-00073

$C_{13}H_{11}N_3O_5S$
Salazosulfamide, S-00009

$C_{13}H_{11}N_3O_5S_2$
Maleylsulfathiazole, M-00015

$C_{13}H_{12}ClNO_2S$
Fenclozate, *in* F-00043
▷Ontianil, O-00050

$C_{13}H_{12}Cl_2O_4$
▷Ethacrynic acid, E-00145

$C_{13}H_{12}FN_5$
9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine, F-00182

$C_{13}H_{12}F_2N_6O$
Fluconazole, F-00140

$C_{13}H_{12}I_3N_3O_5$
Ioglicic acid, I-00111

$C_{13}H_{12}N_2O$
2-Aminobenzoic acid; Anilide, *in* A-00215
3-Pyridinecarboxamide; *N'*-Benzyl, *in* P-00570

$C_{13}H_{12}N_2O_2$
Ozagrel, O-00168

$C_{13}H_{12}N_2O_2S$
N,N'-Bis(4-hydroxyphenyl)thiourea, B-00222

$C_{13}H_{12}N_2O_3S$
▷*N*-[(4-Aminophenyl)sulfonyl]benzamide, *in* A-00213

$C_{13}H_{12}N_2O_4S$
Sulfanthrol, S-00205

$C_{13}H_{12}N_2O_5S$
▷Nimesulide, N-00146

$C_{13}H_{12}N_4O$
Imazodan, I-00026
Oxifungin, O-00113
Quinezamide, Q-00022

$C_{13}H_{12}N_4O_3$
Cinoquidox, C-00376

$C_{13}H_{12}N_8O_4S_3$
Ceftezole, C-00154

$C_{13}H_{12}O$
▷4-Benzylphenol, B-00127

$C_{13}H_{12}O_2$
▷4-(Benzyloxy)phenol, B-00124
▷(1-Naphthyl)acetic acid; Me ester, *in* N-00044

$C_{13}H_{12}O_3S$
4-Methylbenzenesulfonic acid; Ph ester, *in* M-00228

$C_{13}H_{12}O_7S_2$
Sultosilic acid, *in* D-00313

$C_{13}H_{13}AsN_6O_4S_2$
▷Melarsonyl, M-00076

$C_{13}H_{13}ClN_2O_2S$
Ralitoline, R-00004

$C_{13}H_{13}F_3N_6O_4S_3$
Cefazaflur, C-00118

$C_{13}H_{13}I_3N_2O_4$
▷Diprotrizoic acid, *in* D-00138

$C_{13}H_{13}NO_2$
4-Acetamido-2-methyl-1-naphthol, *in* A-00285
4-Amino-1-naphthoic acid; Et ester, *in* A-00292

$C_{13}H_{13}NO_2S$
4-Methylbenzenesulfonic acid; Anilide, *in* M-00228

$C_{13}H_{13}N_3O$
4-Amino-*N*-(2-aminophenyl)benzamide, A-00208

$C_{13}H_{13}N_3O_3$
5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *N*-benzoyl, *in* A-00275
Caerulomycin C, *in* C-00006
Ciclobendazole, C-00328

$C_{13}H_{13}N_3O_3S$
[4-[(4-Aminophenyl)sulfonyl]phenyl]urea, A-00312

$C_{13}H_{13}N_3O_4$
Metronidazole benzoate, *in* M-00344

$C_{13}H_{13}N_3O_5S_2$
▷Succinylsulfathiazole, S-00172

$C_{13}H_{13}N_3O_6S$
Cephacetrile, C-00170

$C_{13}H_{13}N_5O_2$
Zaprinast, Z-00006

$C_{13}H_{13}N_5O_4S$
Sulfachrysoidine, S-00187

$C_{13}H_{13}N_5O_5S_2$
Ceftizoxime, C-00158

$C_{13}H_{14}As_2N_2O_4S$
▷Neoarsphenamine, N-00066

$C_{13}H_{14}ClNO_2$
▷Pirprofen, P-00355

$C_{13}H_{14}Cl_2O_3$
▷Ciprofibrate, C-00389

$C_{13}H_{14}I_3NO_3$
Ioprocemic acid, I-00130

$C_{13}H_{14}N_2$
▷9-Amino-1,2,3,4-tetrahydroacridine, A-00333

$C_{13}H_{14}N_2O$
▷Phenyramidol, P-00211
Rofelodine, R-00073

$C_{13}H_{14}N_2O_2$
▷Metomidate, M-00331
Naprodoximine, N-00047

$C_{13}H_{14}N_2O_2S$
Benzylsulfamide, B-00129

$C_{13}H_{14}N_2O_3$
▷5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00206
Tryptophan; *N*-Ac, *in* T-00567

$C_{13}H_{14}N_2O_4$
▷Neothramycin *A*, N-00072

$C_{13}H_{14}N_2O_4S_2$
▷Gliotoxin, G-00041

$C_{13}H_{14}N_2S$
Metyzoline, M-00347

$C_{13}H_{14}N_4O_3S$
[[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]phenyl]-formamide, *in* S-00254

$C_{13}H_{14}N_4O_4$
Pasiniazid, *in* A-00264

$C_{13}H_{14}N_4O_4S$
N-[(4-Aminophenyl)sulfonyl]-*N*-(6-methoxy-3-pyridazinyl)-acetamide, *in* S-00246

$C_{13}H_{14}N_6O_2$
Metazide, M-00154

$C_{13}H_{14}O_2$
1,4-Dihydroxy-2-methylnaphthalene; Di-Me ether, *in* D-00333

$C_{13}H_{14}O_4S$
Tibenelast, T-00249

$C_{13}H_{14}O_5$
▷Citrinin, C-00403

$C_{13}H_{14}O_5S$
Esuprone, E-00130

$C_{13}H_{14}O_6$
Baxitozine, B-00018
Glucurono-6,3-lactone; 5-Benzyl, *in* G-00059

$C_{13}H_{15}BrClNS$
Mitotenamine, M-00406

$C_{13}H_{15}BrN_4O_2$
Brodimoprim, B-00277

$C_{13}H_{15}Cl_2NO$
Clorgyline, C-00496

$C_{13}H_{15}Cl_2NO_4$
Cetophenicol, C-00185

$C_{13}H_{15}I_3N_2O_3$
Iosumetic acid, I-00138

$C_{13}H_{15}N$
6-(3-Methyl-2-butenyl)-1*H*-indole, M-00236

$C_{13}H_{15}NO_2$
▷Fenimide, F-00053
▷Glutethimide, G-00061
▷Methastyridone, M-00175
Octazamide, *in* H-00049
Securinine, S-00035

$C_{13}H_{15}NO_3$
Ethyl 5-hydroxy-1,2-dimethyl-3-indolecarboxylate, *in* H-00163

$C_{13}H_{15}NO_4S_2$
Rentiapril, R-00022

$C_{13}H_{15}N_3$
2-(1-Piperazinyl)quinoline, P-00286

$C_{13}H_{15}N_3O_2$
Tryptophan; Amide, *N*-Ac, *in* T-00567

$C_{13}H_{15}N_3O_4S$
▷Glymidine, G-00075
Sulfisoxazole acetyl, S-00216

$C_{13}H_{15}N_5O_3$
Tazanolast, T-00039

$C_{13}H_{15}N_5O_6$
Nifurfoline, N-00121

$C_{13}H_{16}ClNO$
2-(2-Chlorophenyl)-2-(methylamino)cyclohexanone, C-00266

$C_{13}H_{16}ClN_3O_5S_2$
Ambuside, A-00174

$C_{13}H_{16}Cl_{12}O_8$
▷Petrichloral, P-00132

$C_{13}H_{16}N_2$
4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, D-00445
▷Tetrahydrozoline, T-00140
4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505

$C_{13}H_{16}N_2O$
Cirazoline, C-00395
Efaroxan, E-00017
Oxantel, O-00087

$C_{13}H_{16}N_2O_2$
▷3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, A-00305
▷Mofebutazone, M-00420
Pirmagrel, P-00341

$C_{13}H_{16}N_2O_2S$
▷Thialbarbitone, T-00172

$C_{13}H_{16}N_2O_3$
Indorenate, I-00070
Profexalone, P-00463

$C_{13}H_{16}N_2O_4$
Domipizone, D-00573

$C_{13}H_{16}N_2O_4S$
Taltrimide, T-00018

$C_{13}H_{16}N_4$
Mifentidine, M-00370

$C_{13}H_{16}N_4O_2$
Diaveridine, D-00147

$C_{13}H_{16}N_4O_3S$
▷Cycotiamine, C-00640

$C_{13}H_{16}N_4O_5$
Inosine; 2′,3′-*O*-Isopropylidene, *in* I-00073

$C_{13}H_{16}N_4O_6$
▷Furaltadone, F-00281

$C_{13}H_{16}N_6O_4$
Triciribine, T-00445

$C_{13}H_{16}O_2$
α-Benzyl-5,6-dihydro-2*H*-pyran-3-methanol, B-00112

$C_{13}H_{16}O_3$
Cicloxilic acid, C-00336
Phenacyl pivalate, *in* H-00107

$C_{13}H_{16}O_4$
2-Phenyl-1,3-propanediol; Di-Ac, *in* P-00200

$C_{13}H_{16}O_8$
4-Glucosyloxybenzoic acid, *in* H-00113

$C_{13}H_{17}Br_2NO_2$
Dembrexine, D-00060

$C_{13}H_{17}ClN_2O_2$
Moclobemide, M-00415

$C_{13}H_{17}HgNO_6$
Mercuderamide; Me ether, *in* M-00122

$C_{13}H_{17}N$
N,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449

$C_{13}H_{17}NO$
▷Crotamiton, C-00567

$C_{13}H_{17}NO_2$
Alminoprofen, A-00138
▷Encyprate, *in* C-00636
Ritalinic acid, R-00065

$C_{13}H_{17}NO_3$
6-Aminohexanoic acid; *N*-Benzoyl, *in* A-00259
Leucine; *N*-Benzoyl, *in* L-00029
Leucine; *N*-Benzoyl, *in* L-00029

Romifenone, R-00081
▷Trichocereine, *in* M-00131

$C_{13}H_{17}NO_4$
▷Alibendol, A-00116

$C_{13}H_{17}NO_5$
Adrenaline; Di-Ac, *in* A-00075

$C_{13}H_{17}N_3$
Tramazoline, T-00395

$C_{13}H_{17}N_3O$
▷Aminopyrine, A-00327
Tryptophan; Ethylamide, *in* T-00567

$C_{13}H_{17}N_3O_2$
▷Parbendazole, P-00032

$C_{13}H_{17}N_3O_3S_2$
▷Isobuzole, I-00180

$C_{13}H_{17}N_3O_4S$
Dipyrone, D-00532

$C_{13}H_{17}N_5O_2$
Aditeren, A-00073

$C_{13}H_{17}N_5O_2S$
Sulfasymazine, S-00210

$C_{13}H_{17}N_5O_4$
Eritadenine; Me ester, 2,3-*O*-isopropylidene, *in* E-00110
2′,3′-*O*-Isopropylideneadenosine, *in* A-00067

$C_{13}H_{17}N_5O_8S_2$
▷Aztreonam, A-00533

$C_{13}H_{18}Br_2N_2O$
▷Ambroxol, A-00170

$C_{13}H_{18}ClF_3N_2O$
Mabuterol, M-00001

$C_{13}H_{18}ClNO$
Bupropion, B-00371
Lometraline, L-00079

$C_{13}H_{18}ClNO_2$
Alaproclate, A-00094
Cloforex, C-00462

$C_{13}H_{18}ClN_3O$
Imidoline, I-00035

$C_{13}H_{18}ClN_3O_3S$
Glypinamide, G-00077

$C_{13}H_{18}ClN_3O_4S_2$
▷Cyclopenthiazide, C-00630

$C_{13}H_{18}ClN_7O_7S$
Ascamycin, A-00454

$C_{13}H_{18}Cl_2N_2O_2$
Melphalan, M-00084
▷Metamelfalan, M-00149

$C_{13}H_{18}F_3N_3O_4S_2$
Penflutizide, P-00063

$C_{13}H_{18}N_2$
Dicarbine, D-00175

$C_{13}H_{18}N_2O$
Fenoxazoline, F-00066

$C_{13}H_{18}N_2O_2$
Leucine; *N*-Benzoyl, amide, *in* L-00029

$C_{13}H_{18}N_2O_3$
▷Heptabarbitone, H-00027

$C_{13}H_{18}N_2O_3S$
Tolpentamide, T-00363

$C_{13}H_{18}N_2O_4$
Ornithine; N^{α}-Benzyloxycarbonyl, *in* O-00059
Ornithine; N^{δ}-Benzyloxycarbonyl, *in* O-00059

$C_{13}H_{18}N_2O_4S_2$
▷Almecillin, A-00137

$C_{13}H_{18}N_2O_5$
▷Drazine, *in* M-00282

$C_{13}H_{18}N_4O_3$
Citrulline; α-*N*-Benzoyl, amide, *in* C-00405
Lomifylline, L-00081
▷Oxpentifylline, O-00142

$C_{13}H_{18}N_6$
Zolertine, Z-00030

$C_{13}H_{18}N_6O_5$
▷Moxnidazole, M-00467

$C_{13}H_{18}O_2$
Ibuprofen, I-00008

$C_{13}H_{18}O_6$
4,6-*O*-Benzylidene-D-glucitol, *in* G-00054

$C_{13}H_{18}O_7$
Glucitol; 6-Benzoyl, *in* G-00054

$C_{13}H_{18}O_9$
Tetra-*O*-acetyl-α-L-xylofuranose, *in* X-00024
Tetra-*O*-acetyl-α-D-xylopyranose, *in* X-00024
Tetra-*O*-acetyl-β-D-xylopyranose, *in* X-00024
Tetra-*O*-acetyl-β-L-xylopyranose, *in* X-00024

$C_{13}H_{19}ClN_2O$
Butanilicaine, B-00390

$C_{13}H_{19}ClN_2O_2$
▷Chloroprocaine, C-00277

$C_{13}H_{19}ClN_2O_5S_2$
▷Mefruside, M-00069

$C_{13}H_{19}Cl_2NO_2$
Cloranolol, C-00493

$C_{13}H_{19}FO_8$
Methyl 3,4,6-tri-*O*-acetyl-2-deoxy-2-fluoro-β-D-glucopyranoside, *in* D-00078

$C_{13}H_{19}N$
4-(4-Ethylphenyl)piperidine, E-00217

$C_{13}H_{19}NO$
▷2-(Diethylamino)-1-phenyl-1-propanone, D-00240

$C_{13}H_{19}NO_2$
Butamoxane, B-00388
4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine, D-00444
▷2-(Hexyloxy)benzamide, H-00073
Ibuproxam, I-00009
Leucine; Benzyl ester; B,HCl, *in* L-00029

$C_{13}H_{19}NO_3$
Detanosal, D-00105
▷Viloxazine, V-00029

$C_{13}H_{19}NO_3S$
Penicillamine; *S*-Benzyl, Me ester; B,HCl, *in* P-00064

$C_{13}H_{19}NO_4$
N-Acetylmescaline, *in* M-00131

$C_{13}H_{19}NO_4S$
▷Probenecid, P-00444

$C_{13}H_{19}N_2O_3^{\oplus}$
Rimazolium(1+), R-00055

$C_{13}H_{19}N_2O_6P$
Alafosfalin; *N*-Benzyloxycarbonyl, *in* A-00091

$C_{13}H_{19}N_3OS$
Rocastine, R-00070

$C_{13}H_{19}N_3O_2$
▷Amidantel, A-00190

$C_{13}H_{19}N_3O_5S_2$
▷Sparsomycin, S-00109

$C_{13}H_{19}N_3O_6S$
Antibiotic 13285A1, *in* P-00066
Norpenicillin N, *in* P-00066

$C_{13}H_{19}N_5$
▷Pinacidil, P-00264

$C_{13}H_{19}N_5O_4$
2,2,6*N*-Trimethyladenosine, *in* M-00219

$C_{13}H_{19}O_6P$
Ethyl 2-(diethoxyphosphinyl)oxybenzoate, *in* P-00217

$C_{13}H_{20}Br_2O_6$
1,6-Dibromo-1,6-dideoxymannitol; 3,4-*O*-Isopropylidene, 2,5-di-Ac, *in* D-00164

$C_{13}H_{20}ClN_3O_4S_2$
Mebutizide, M-00040

$C_{13}H_{20}ClO_5P$
[6-(2-Chloro-4-methoxyphenoxy)hexyl]phosphonic acid, C-00254

$C_{13}H_{20}N_2O$
Prilocaine, P-00432

$C_{13}H_{20}N_2O_2$
N-[2-(Diethylamino)ethyl]-2-hydroxybenzamide, D-00237
Dropropizine, D-00610
Metabutethamine, M-00143
2-[(2-Methylpropyl)amino]ethyl 4-aminobenzoate, M-00299
▷Procaine, P-00447

$C_{13}H_{20}N_2O_3$
▷Hydroxyprocaine, H-00206

$C_{13}H_{20}N_2O_3S$
Carticaine, C-00103
Etozolin, *in* O-00169

$C_{13}H_{20}N_2O_6$
▷Actinobolin, A-00053

$C_{13}H_{20}N_4O$
1-(2,6-Diethylphenyl)-3-(methylamidino)urea, D-00252

$C_{13}H_{20}N_4O_2$
Arginine; Benzyl ester; B,HCl, *in* A-00441
Pentifylline, *in* T-00166

$C_{13}H_{20}N_4O_3$
Ciclosidomine, C-00333

$C_{13}H_{20}N_6O_3$
3′-Amino-3′-deoxyadenosine; 3′,6,6-Tri-*N*-Me, *in* A-00234

$C_{13}H_{20}O_3$
▷1-Butoxy-3-phenoxy-2-propanol, B-00423

$C_{13}H_{20}O_8$
Normosterol, *in* P-00077

$C_{13}H_{21}NO_2$
Dimoxamine, D-00461
Guaiactamine, G-00091
3-Tigloyloxytropane, T-00270
▷Toliprolol, T-00352
Tropigline, T-00553

$C_{13}H_{21}NO_2S$
4-Methyl-*N*,*N*-dipropylbenzenesulfonamide, *in* M-00228
Tiprenolol, T-00315

$C_{13}H_{21}NO_3$
Isoetharine, I-00185
Moprolol, M-00435
▷Salbutamol, S-00012
3α-Tigloyloxytropane N-oxide, *in* T-00270

$C_{13}H_{21}N_2NaO_{11}S_2$
Glucosulfamide; Na salt, *in* G-00056

$C_{13}H_{21}N_3$
Quinpirole, Q-00032

$C_{13}H_{21}N_3O$
▷Procainamide, P-00446

$C_{13}H_{21}N_3O_3$
Carbuterol, C-00071

$C_{13}H_{21}N_5O_2$
▷Etamiphylline, E-00137

$C_{13}H_{21}N_5O_4$
Vephylline, V-00016
▷Xanthinol, X-00003

$C_{13}H_{22}ClN_5S$
▷Iprozilamine, I-00165

$C_{13}H_{22}N_2O_6S$
▷Neostigmine methylsulphate, *in* N-00070

$C_{13}H_{22}N_2O_{11}S_2$
Glucosulfamide, G-00056

$C_{13}H_{22}N_4O_3S$
▷Ranitidine, R-00011

$C_{13}H_{22}O_6P_2$
▷Tetraallyl methylenediphosphonate, *in* M-00168

$C_{13}H_{24}N_2O_2$
Cropropamide, C-00566

$C_{13}H_{24}N_3O_3PS$
▷Pirimiphos-ethyl, P-00329

$C_{13}H_{24}N_4O_3$
Melanostatin, M-00074

$C_{13}H_{24}N_4O_3S$
Timolol, T-00288

$C_{13}H_{24}O_2$
▷10-Undecenoic acid; Et ester, *in* U-00008

$C_{13}H_{25}NO_2$
Cyprodenate, C-00647

$C_{13}H_{26}N_2O_4$
Nisobamate, N-00158
▷Tybamate, T-00577

$C_{13}H_{28}N_4O_2$
Exametazime, E-00278

$C_{13}H_{29}N$
Octamylamine, O-00013

$C_{13}H_{29}NO_2$
1-Amino-3-(decyloxy)-2-propanol, *in* A-00317

$(C_{13}H_{30}Br_2N_2)_n$
▷Hexadimethrine bromide, *in* T-00148

$C_{13}H_{30}O_6P_2$
Tetrakis(1-methylethyl) methylenebisphosphonate, *in* M-00168

$C_{13}H_{33}Br_2N_2$
▷Azamethonium bromide, *in* A-00499

$C_{13}H_{33}N_3^{\oplus\oplus}$
Azamethonium(2+), A-00499

$C_{14}H_6N_4O_{11}$
3,5-Dinitrobenzoic acid; Anhydride, *in* D-00468

$C_{14}H_6O_8$
▷Ellagic acid, E-00026

$C_{14}H_8Br_2F_3NO_2$
Fluorosalan, F-00191

$C_{14}H_8Cl_2O_4S$
6,7-Dichloro-2,3-dihydro-5-(2-thienylcarbonyl)-2-benzofurancarboxylic acid, D-00185

$C_{14}H_8F_3NO_2S$
8-(Trifluoromethyl)-10*H*-phenothiazine-1-carboxylic acid, T-00466

$C_{14}H_8N_2O_2S_3$
1,1′-Sulfonylbis[4-isothiocyanatobenzene], S-00221

$C_{14}H_8N_2O_6$
Nifuroquine, N-00125

$C_{14}H_8O_4$
▷1,8-Dihydroxyanthraquinone, D-00308

$C_{14}H_9ClN_2O_2$
2-Amino-5-chlorobenzoxazole; 2-*N*-Benzoyl, *in* A-00225

$C_{14}H_9ClN_2O_3S$
N-(2-Chloro-4-isothiocyanatophenyl)-2,4-dihydroxybenzamide, C-00253

Tenidap, T-00068

$C_{14}H_9Cl_2F_3N_2O$
Cloflucarban, C-00458

$C_{14}H_9Cl_2N_3O_2$
▷Lopirazepam, L-00088

$C_{14}H_9Cl_2N_3O_3$
Clodanolene, C-00447

$C_{14}H_9Cl_3N_2OS$
Triclabendazole, T-00446

$C_{14}H_9Cl_5$
▷1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane, T-00432

$C_{14}H_9F$
4′-Ethynyl-2-fluoro-1,1′-biphenyl, E-00230

$C_{14}H_9F_3O_2$
4′-(Trifluoromethyl)[1,1′-biphenyl]-2-carboxylic acid, T-00465

$C_{14}H_9I_3O_4$
▷Tiratricol, T-00322

$C_{14}H_9NO_4$
▷1,3-Dioxo-1*H*-benz[*de*]isoquinoline-2(3*H*)-acetic acid, D-00478

$C_{14}H_9NO_4S$
Saccharin; Benzoyl, *in* S-00002

$C_{14}H_{10}BrN_3O$
▷Bromazepam, B-00285

$C_{14}H_{10}Br_3NO_2$
Bensalan, B-00063

$C_{14}H_{10}ClNO_4$
Lobenzarit, L-00066

$C_{14}H_{10}Cl_2O_3$
▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199

$C_{14}H_{10}Cl_4$
▷1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane, D-00180

$C_{14}H_{10}F_3NO_2$
▷Flufenamic acid, F-00148
Salfluverine, S-00014

$C_{14}H_{10}N_2O_4$
2-Methoxy-11-oxo-11*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, M-00209

$C_{14}H_{10}N_2O_6$
Olsalazine, O-00041

$C_{14}H_{10}N_4O_5$
▷Dantrolene, D-00012

$C_{14}H_{10}O_3$
▷Benzoic anhydride, *in* B-00092
▷1,8-Dihydroxyanthrone, D-00310

$C_{14}H_{10}O_4$
▷Dibenzoyl peroxide, D-00161
2-Hydroxybenzoic acid; Benzoyl, *in* H-00112

$C_{14}H_{10}O_5$
▷Salicyloylsalicylic acid, S-00015

$C_{14}H_{10}O_7$
▷Citromycetin, C-00404

$C_{14}H_{11}ClN_2O$
2-Amino-5-chlorobenzoxazole; 2-*N*-Benzyl, *in* A-00225

$C_{14}H_{11}ClN_2O_4S$
▷Chlorthalidone, C-00302

$C_{14}H_{11}ClO$
▷Diphenylacetic acid; Chloride, *in* D-00488

$C_{14}H_{11}ClO_3S$
Cliprofen, C-00431

$C_{14}H_{11}Cl_2NO_2$
▷Diclofenac, D-00210
▷Meclofenamic acid, M-00045

$C_{14}H_{11}Cl_2NO_4$
Diloxanide furoate, *in* D-00372

$C_{14}H_{11}F_2NO_3S$
▷Diflumidone, D-00271

$C_{14}H_{11}F_3N_2O_2$
Flunixin, F-00169

$C_{14}H_{11}N$
5*H*-Dibenz[*b*,*f*]azepine, D-00155
▷Diphenylacetonitrile, *in* D-00488

$C_{14}H_{11}NO$
5,11-Dihydro-10*H*-dibenz[*b*,*f*]azepin-10-one, D-00281

$C_{14}H_{11}NOS$
Phenothiazine; *N*-Ac, *in* P-00167

$C_{14}H_{11}NO_2$
4-(Benzamido)salicylic acid, *in* A-00264

$C_{14}H_{11}NO_2S$
10*H*-Phenothiazine-2-acetic acid, P-00168

$C_{14}H_{11}NO_3$
4-Aminobenzoic acid; *N*-Benzoyl, *in* A-00216
2-Benzamidobenzoic acid, *in* A-00215

$C_{14}H_{11}N_3O_3S$
▷Nocodazole, N-00196

$C_{14}H_{11}N_3O_4$
Stirimazole, S-00156

$C_{14}H_{12}ClNO_2$
Cicletanine, C-00327
▷Tolfenamic acid, T-00349

$C_{14}H_{12}ClN_3O$
Bamaluzole, B-00009

$C_{14}H_{12}ClN_3O_3S$
Fenquizone, F-00075

$C_{14}H_{12}ClN_5O$
4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, C-00273

$C_{14}H_{12}FNO_3$
Flumequine, F-00155

$C_{14}H_{12}N_2$
4-Aminoacridine; 4-*N*-Me, *in* A-00204
▷2-Benzylbenziimidazole, B-00107

$C_{14}H_{12}N_2O_2$
1-Amino-2-nitro-1,2-diphenylethylene, A-00293

$C_{14}H_{12}N_2O_2S$
▷Zolimidine, Z-00031

$C_{14}H_{12}N_2O_3$
Paracetamol nicotinate, *in* A-00298

$C_{14}H_{12}N_2O_4$
Mitindomide, M-00398

$C_{14}H_{12}N_2O_4S$
Tioxacin, T-00306

$C_{14}H_{12}N_4$
Azarole, A-00508

$C_{14}H_{12}N_4O_2S$
▷4-Amino-*N*-2-quinoxalinylbenzenesulfonamide, *in* A-00332

$C_{14}H_{12}N_6O_6$
▷Nitrovin, N-00190

$C_{14}H_{12}OS$
▷Tibenzate, *in* T-00193

$C_{14}H_{12}O_2$
▷Benzoin, B-00093
▷Benzyl benzoate, *in* B-00092
4-Biphenylacetic acid, B-00176
▷Diphenylacetic acid, D-00488
3-Methylbenzoic acid; Ph ester, *in* M-00230

$C_{14}H_{12}O_3$
▷(2-Hydroxy-4-methoxyphenyl)methanone, *in* D-00318

Methyl 2-hydroxybenzoate; Phenyl ether, *in* M-00261
▷Trioxsalen, T-00521

$C_{14}H_{12}O_3S$
▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
▷Suprofen, S-00274

$C_{14}H_{12}O_4$
▷Dioxybenzone, *in* T-00472
Trichocarpinine, *in* D-00316

$C_{14}H_{12}O_4S$
3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]-propanoic acid, D-00288

$C_{14}H_{12}O_5$
4-Allyl-1,2-(methylenedioxy)benzene; Maleic anhydride adduct, *in* A-00131
7-(3-Carboxy-2-butenoxy)coumarin, *in* H-00114
▷Khellin, K-00022

$C_{14}H_{12}O_6S$
5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid, B-00098

$C_{14}H_{12}O_{10}$
Tetrahydroxy-1,4-benzoquinone; Tetra-Ac, *in* T-00137

$C_{14}H_{12}S_2$
2,7-Dimethylthianthrene, D-00456

$C_{14}H_{13}ClFN_3O_4S_2$
Paraflutizide, P-00022

$C_{14}H_{13}ClN_2$
Clonazoline, C-00476

$C_{14}H_{13}ClN_2O$
Vincantril, V-00035

$C_{14}H_{13}ClO_3$
Lonaprofen, L-00084

$C_{14}H_{13}IO_3$
Diphenyliodonium *I*-oxide acetate, *in* D-00495

$C_{14}H_{13}NO$
▷Diphenylacetic acid; Amide, *in* D-00488
Norletimol, N-00220

$C_{14}H_{13}NO_2$
Benzoin; (*E*)-Oxime, *in* B-00093
Diphenan, *in* B-00127
Paxamate, P-00045

$C_{14}H_{13}NO_3$
Alonimid, A-00142

$C_{14}H_{13}NO_4$
Droxacin, D-00613
Oxalinast, O-00079

$C_{14}H_{13}N_3$
2-(5-Ethyl-2-pyridinyl)-1*H*-benzimidazole, E-00221

$C_{14}H_{13}N_3OS$
2-[(2-Methoxy-4-methylthio)phenyl]-1*H*-imidazo[4,5-*b*]-pyridine, *in* S-00227

$C_{14}H_{13}N_3O_2S$
Isomazole, I-00190
▷Sulmazole, S-00227

$C_{14}H_{13}N_3O_3$
Ftivazide, F-00269

$C_{14}H_{13}N_3O_4S_2$
Meloxicam, M-00082

$C_{14}H_{13}N_3O_5S$
Isoxicam, I-00217
Sulfanitran, S-00204

$C_{14}H_{13}N_5$
Picodralazine, P-00238

$C_{14}H_{13}N_5O_4S$
Nifuralide, N-00117

$C_{14}H_{14}As_2N_2Na_2O_8S_2$
▷Sulfarsphenamine, *in* D-00127

$C_{14}H_{14}BrI$
▷Bis(4-methylphenyl)iodonium(1+); Bromide, *in* B-00230

$C_{14}H_{14}ClI$
Toliodium chloride, *in* B-00230

$C_{14}H_{14}ClNO_2$
Clopirac, C-00487

$C_{14}H_{14}ClNS$
Ticlopidine, T-00256

$C_{14}H_{14}ClN_3O_2S$
▷Pirinixic acid, P-00332

$C_{14}H_{14}Cl_2N_2O$
▷Imazalil, I-00025

$C_{14}H_{14}Cl_3O_6P$
▷Haloxon, H-00021

$C_{14}H_{14}HgO_6$
Mercumallylic acid, M-00123

$C_{14}H_{14}I^{\oplus}$
Bis(4-methylphenyl)iodonium(1+), B-00230

$C_{14}H_{14}I_2$
Bis(4-methylphenyl)iodonium(1+); Iodide, *in* B-00230

$C_{14}H_{14}I_3NO_4$
Propyl docetrizoate, *in* A-00340

$C_{14}H_{14}N_2$
10-Amino-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepine, A-00241
▷Naphazoline, N-00041

$C_{14}H_{14}N_2O$
▷2-Methyl-1,2-di-3-pyridyl-1-propanone, M-00248

$C_{14}H_{14}N_2O_2$
2-[(2,3-Dimethylphenyl)amino)-3-pyridinecarboxylic acid, *in* A-00326
▷Isonixin, I-00196

$C_{14}H_{14}N_2O_4$
2-Amino-3-pyridinecarboxylic acid, A-00326

$C_{14}H_{14}N_2O_4S$
Acediasulfone, A-00008
Tioxamast, T-00307

$C_{14}H_{14}N_4$
▷Rolodine, R-00079

$C_{14}H_{14}N_4O_2$
Razobazam, R-00015

$C_{14}H_{14}N_4O_2S$
▷Cambendazole, C-00020

$C_{14}H_{14}N_4O_4$
Terizidone, T-00092

$C_{14}H_{14}N_4O_8S_2$
Dinsed, D-00469

$C_{14}H_{14}N_6O_2$
2-(2-Propoxyphenyl)-5-(1*H*-tetrazol-5-yl)-4(1*H*)-pyrimidinone, P-00513

$C_{14}H_{14}N_8O_4S_3$
▷Cefazolin, C-00120

$C_{14}H_{14}O$
4-Benzylanisole, *in* B-00127

$C_{14}H_{14}O_2$
1-Methoxy-4-(phenylmethoxy)benzene, *in* B-00124
▷(1-Naphthyl)acetic acid; Et ester, *in* N-00044

$C_{14}H_{14}O_3$
2,2′-Dihydroxydiphenyl ether; Di-Me ether, *in* D-00325
1-(3,5-Dihydroxyphenyl)-2-(4-hydroxyphenyl)ethane, D-00345
7-(3,3-Dimethylallyloxy)coumarin, *in* H-00114
Lexofenac, L-00040
Naproxen, N-00048

$C_{14}H_{14}O_4$
Phthalofyne, P-00224

$C_{14}H_{14}O_5$
7-(3-Carboxybutoxy)coumarin, *in* H-00114

$C_{14}H_{14}O_5S_2$
4-Methylbenzenesulfonic acid; Anhydride, *in* M-00228

$C_{14}H_{14}O_6S$
Texacromil, T-00159

$C_{14}H_{15}ClN_4$
Zometapine, Z-00036

$C_{14}H_{15}ClN_4O_2$
Aronixil, A-00446

$C_{14}H_{15}ClO_2$
5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224

$C_{14}H_{15}Cl_2N$
▷*N*,*N*-Bis(2-chloroethyl)-2-naphthylamine, B-00198

$C_{14}H_{15}N$
▷1,2-Diphenylethylamine, D-00492

$C_{14}H_{15}NOS$
Bipenamol, B-00174

$C_{14}H_{15}NO_2$
3-Acetyl-7-methoxy-2,4-dimethylquinoline, A-00037

$C_{14}H_{15}NO_4$
Oxazorone, O-00099

$C_{14}H_{15}NO_5$
Folescutol, F-00237

$C_{14}H_{15}NO_6S$
Salmisteine, *in* A-00031

$C_{14}H_{15}NO_7$
▷Laetrile, L-00006

$C_{14}H_{15}N_2O_2P$
Diphenylphosphinylacetic acid hydrazide, D-00502

$C_{14}H_{15}N_3$
▷4-Amino-2′,3-dimethylazobenzene, A-00251
Stilbenemidine, S-00154

$C_{14}H_{15}N_3O_2$
Indolidan, I-00064

$C_{14}H_{15}N_5O$
Endralazine, E-00050

$C_{14}H_{15}N_5O_5S_2$
Cefetamet, C-00126

$C_{14}H_{15}N_7$
1,3-Bis(4-amidinophenyl)triazene, B-00187

$C_{14}H_{16}BrNO_2$
Brofaromine, B-00278

$C_{14}H_{16}ClNO$
4-(5-Chloro-2-benzofuranyl)-1-methylpiperidine, C-00217

$C_{14}H_{16}ClNO_4S$
Timofibrate, T-00287

$C_{14}H_{16}ClN_3O_2$
Amipizone, A-00344

$C_{14}H_{16}ClN_3O_4S_2$
▷Cyclothiazide, C-00639

$C_{14}H_{16}ClO_5PS$
▷Coumaphos, C-00555

$C_{14}H_{16}Cl_2N_4O_3$
▷Obidoxime chloride, *in* O-00001

$C_{14}H_{16}Cl_2O_2$
▷Fenclorac, F-00042

$C_{14}H_{16}Cl_6O_5$
▷Toloxychlorinol, T-00361

$C_{14}H_{16}F_2N_2$
Flucindole, F-00136

$C_{14}H_{16}N_2$
Atipamezole, A-00469
Napactadine, N-00039
Napamezole, N-00040

$C_{14}H_{16}N_2O$
Coumazoline, C-00556
Prifuroline, P-00431

$C_{14}H_{16}N_2O_2$
Etomidate, E-00257
Imiloxan, I-00036
Rolicypram, R-00076

$C_{14}H_{16}N_2O_2S$
4,4′-Diaminodiphenyl sulfone; *N*,*N*′-Di-Me, *in* D-00129

$C_{14}H_{16}N_2O_3$
▷5,5-Diethyl-1-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00253
Nadoxolol, N-00007
Tryptophan; Me ester, *N*-Ac, *in* T-00567

$C_{14}H_{16}N_2O_4$
▷Oxagrelate, O-00078
Taglutimide, T-00003

$C_{14}H_{16}N_2O_5S$
Asparenomycin *C*, A-00459

$C_{14}H_{16}N_2O_6S$
Asparenomycin A, *in* A-00459

$C_{14}H_{16}N_2O_6S_3$
Sulfoxone, S-00223

$C_{14}H_{16}N_4$
▷Budralazine, B-00346
1,4-Dimethyl-1,4-diphenyl-2-tetrazene, D-00429

$C_{14}H_{16}N_4O$
▷2,4-Diamino-4′-ethoxyazobenzene, D-00131

$C_{14}H_{16}N_4O_3$
▷Piromidic acid, P-00349

$C_{14}H_{16}N_4O_3^{\oplus\oplus}$
Obidoxime(2+), O-00001

$C_{14}H_{16}N_4O_4$
β-Hydroxypiromidic acid, *in* P-00349

$C_{14}H_{16}N_4O_5S$
Sulphadimethoxine; N^4-Ac, *in* S-00238

$C_{14}H_{16}N_6O$
Siguazodan, S-00067

$C_{14}H_{16}O_2$
2-(6-Methoxy-2-naphthyl)-1-propanol, M-00207

$C_{14}H_{17}BrN_6O_2S_3$
Ebrotidine, E-00002

$C_{14}H_{17}ClN_2O_3S$
Clorexolone, C-00495

$C_{14}H_{17}ClN_4$
Lodinixil, L-00070

$C_{14}H_{17}ClO_3$
Clomoxir, C-00474

$C_{14}H_{17}Cl_2N_3O$
Piclonidine, P-00234

$C_{14}H_{17}NO_2$
Benzoclidine, *in* Q-00035
Indeloxazine, I-00055

$C_{14}H_{17}NO_4$
Mobecarb, M-00411

$C_{14}H_{17}NO_5$
Fenamifuril, F-00035

$C_{14}H_{17}NO_6$
Pyridoxine; Tri-Ac, *in* P-00582

$C_{14}H_{17}NS_2$
▷Dimethylthiambutene, D-00455

$C_{14}H_{17}N_3O_5S$
Sulfacecole, S-00186

$C_{14}H_{17}N_3O_9$
▷Azaribine, *in* A-00514

$C_{14}H_{17}N_5O_3$
▷Pipemidic acid, P-00278

$C_{14}H_{17}N_5O_6$
Adenosine; 3′,5′-Di-Ac, *in* A-00067
Eritadenine; Me ester, 2,3-di-Ac, *in* E-00110

$C_{14}H_{18}As_2N_2O_6$
▷[1,2-Ethanediylbis(imino-4,1-phenylene)]bisarsonic acid, E-00147

$C_{14}H_{18}BrNO$
▷Quinuclium bromide, *in* M-00278

$C_{14}H_{18}ClN$
Picilorex, P-00233

$C_{14}H_{18}ClNO_4S$
Tibric acid, T-00252

$C_{14}H_{18}ClN_3S$
▷Chloropyrilene, C-00282

$C_{14}H_{18}Cl_2N_2$
Clenpyrin, C-00420

$C_{14}H_{18}F_3NO$
▷Oxaflozane, O-00076

$C_{14}H_{18}IN_3$
Iomethin, I-00122

$C_{14}H_{18}NO^{\oplus}$
1-Methyl-3-oxo-4-phenylquinuclidinium(1+), M-00278

$C_{14}H_{18}N_2$
3-(Dimethylamino)-1,2,3,4-tetrahydrocarbazole, D-00422
Tefazoline, T-00051

$C_{14}H_{18}N_2O$
Ibudilast, I-00006
▷Propyphenazone, P-00519

$C_{14}H_{18}N_2O_2$
▷Parsalmide, P-00041
Quinterenol, Q-00033
Tryptophan; Me ester, β,β-*N*,*N*-di-Me, *in* T-00567

$C_{14}H_{18}N_2O_3$
Letimide, L-00027
Methohexitone, M-00187

$C_{14}H_{18}N_2O_4$
▷Mofoxime, M-00421

$C_{14}H_{18}N_2O_5$
Acitemate, A-00040
Aspartame, A-00460
Kelatorphan, K-00007
▷Lidofenin, L-00044

$C_{14}H_{18}N_2O_6S$
Asparenomycin B, *in* A-00459

$C_{14}H_{18}N_4$
Bisfentidine, B-00214

$C_{14}H_{18}N_4O_2$
Mexafylline, M-00349
Ormetoprim, O-00057

$C_{14}H_{18}N_4O_2S$
Metioprim, M-00320

$C_{14}H_{18}N_4O_3$
▷Trimethoprim, T-00501

$C_{14}H_{18}N_4O_4S_2$
▷Thiophanate, T-00207

$C_{14}H_{18}N_6O$
2,6-Diamino-2′-butyloxy-3,5′-azopyridine, D-00121

$C_{14}H_{18}O_3$
2-Cyclohexyl-2-hydroxy-2-phenylacetic acid, C-00614
▷Stiripentol, S-00157

$C_{14}H_{18}O_4$
Cinoxate, C-00378

$C_{14}H_{18}O_8$
Glucovanillin, *in* D-00311

$C_{14}H_{19}AuO_9S$
(1-Thioglucopyranosato-2,3,4,6-tetraacetato)gold, *in* T-00201

$C_{14}H_{19}ClN_2O_3$
Cloximate, C-00519

$C_{14}H_{19}ClN_4$
Amprolium, *in* A-00323

$C_{14}H_{19}Cl_2NO_2$
▷Chlorambucil, C-00194

$C_{14}H_{19}FO_9$
2-Deoxy-2-fluoroglucose; 1,3,4,6-Tetra-Ac, *in* D-00078

$C_{14}H_{19}F_3N_2O_2$
Flubanilate, F-00132

$C_{14}H_{19}F_3N_4O$
Fluprazine, F-00206

$C_{14}H_{19}IO$
2-Cyclohexyl-4-iodo-3,5-dimethylphenol, C-00615

$C_{14}H_{19}NO_2$
Hexahydro-2-methyl-4-phenyl-4-azepinecarboxylic acid, H-00050
Levofacetoperane, *in* P-00197
▷Methylphenidate, *in* R-00065
▷Piperoxan, P-00294

$C_{14}H_{19}NO_3$
3-Ethyl-3-methylpentanedioic acid; Monoanilide, *in* E-00203
Leucine; *N*-Benzoyl, Me ester, *in* L-00029

$C_{14}H_{19}NO_4$
▷Anisomycin, A-00395
Filenadol, F-00105

$C_{14}H_{19}NO_4S$
Benzamon, *in* F-00282
▷Tritiozine, T-00540

$C_{14}H_{19}NO_5$
▷4-(3,4,5-Trimethoxybenzoyl)morpholine, T-00502

$C_{14}H_{19}N_3O$
N′-(6-Methoxy-4-quinolinyl)-*N*,*N*-dimethyl-1,2-ethanediamine, M-00217
▷Oxolamine, O-00130
▷Ramifenazone, R-00007
▷Xilobam, X-00014

$C_{14}H_{19}N_3O_2$
N^8-Norphysostigmine, *in* E-00122

$C_{14}H_{19}N_3O_4$
Citrulline; α-*N*-Benzoyl, Me ester, *in* C-00405

$C_{14}H_{19}N_3O_6S$
▷Antibiotic WS 3442*A*, *in* C-00177

$C_{14}H_{19}N_3O_7S$
Deacetylcephalosporin C, *in* C-00177

$C_{14}H_{19}N_3S$
▷Methapyrilene, M-00171
▷Thenyldiamine, T-00165

$C_{14}H_{19}N_4^{\oplus}$
1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-picolinium(1+), A-00323

$C_{14}H_{19}N_5O$
Mopidralazine, M-00434

$C_{14}H_{19}N_5O_2$
Etazolate, E-00143

$C_{14}H_{19}N_5O_4$
Famciclovir, F-00012
2-Methyladenosine; 2′,3′-*O*-Isopropylidene, *in* M-00219

$C_{14}H_{19}O_6P$
Crotoxyphos, C-00571

$C_{14}H_{20}Br_2N_2$
Bromhexine, B-00289

$C_{14}H_{20}ClN_3O_3S$
Clopamide, C-00480

$C_{14}H_{20}Cl_2N_2O_2$
Diclometide, D-00213

$C_{14}H_{20}Cl_2N_2O_6$
Bactobolin *A*, B-00005

$C_{14}H_{20}Cl_4N_2^{\oplus\oplus}$
Chlorisondamine(2+), C-00207

$C_{14}H_{20}Cl_6N_2$
▷Chlorisondamine chloride, *in* C-00207

$C_{14}H_{20}N_2O$
Aptocaine, A-00434
Pyrrocaine, P-00595
Tymazoline, T-00580

$C_{14}H_{20}N_2O_2$
▷Bunitrolol, B-00364
Domazoline, D-00572
▷Pindolol, P-00270
Piridocaine, P-00326

$C_{14}H_{20}N_2O_2S$
3-[(4-Aminophenyl)sulfonyl]-3-azabicyclo[3.2.2]nonane, *in* A-00491

$C_{14}H_{20}N_2O_3$
Propacetamol, P-00485

$C_{14}H_{20}N_2O_3S$
▷Glycyclamide, G-00071

$C_{14}H_{20}N_2O_3S_2$
Thiohexamide, T-00203

$C_{14}H_{20}N_4O$
Imolamine, I-00042

$C_{14}H_{20}N_4O_7S_2$
Netobimin, N-00079

$C_{14}H_{20}O$
Bornelone, B-00257
2-Cyclohexyl-3,5-dimethylphenol, C-00608

$C_{14}H_{20}O_2$
▷Butibufen, B-00402

$C_{14}H_{20}O_3$
4-Hexyl-1,3-benzenediol; 1-Ac, *in* H-00071
4-Hexyl-1,3-benzenediol; 3-Ac, *in* H-00071

$C_{14}H_{20}O_6$
Tetraethoxy-1,4-benzoquinone, *in* T-00137

$C_{14}H_{20}O_8$
Taxicatin, *in* B-00076

$C_{14}H_{20}O_{10}$
1,2,5,6-Tetra-*O*-acetyl-*myo*-inositol, *in* I-00074

$C_{14}H_{21}BO_2$
▷5-Methyl-5-propyl-2-*p*-tolyl-1,3,2-dioxaborinane, M-00301

$C_{14}H_{21}ClN_2O_2$
▷Clofexamide, C-00455
▷Clovoxamine, C-00513

$C_{14}H_{21}N$
Eticyclidine, *in* P-00182

$C_{14}H_{21}NO$
3-(3-Hydroxyphenyl)-1-propylpiperidine, H-00194
▷Profadol, P-00462
▷Zylofuramine, Z-00040

$C_{14}H_{21}NOS$
Esproquine, E-00124

$C_{14}H_{21}NO_2$
1-(1-Adamantyl)-2-azetidinecarboxylic acid, A-00062
▷Amylocaine, A-00374
Meprylcaine, *in* A-00289
Pentamoxane, P-00088

$C_{14}H_{21}NO_3$
Pivenfrine, P-00364

$C_{14}H_{21}NO_4$
Ambenoxan, A-00168
Tetraminol, T-00150

$C_{14}H_{21}NO_7$
Dopamine 3-O-glucoside, *in* D-00579

$C_{14}H_{21}NO_7S$
Sulbactam pivoxil, *in* P-00065

$C_{14}H_{21}NO_8$
2-Amino-2,6-dideoxyglucose; Tetra-Ac, *in* A-00240

$C_{14}H_{21}N_3O_2S$
Sumatriptan, S-00268

$C_{14}H_{21}N_3O_3$
▷Oxamniquine, O-00084

$C_{14}H_{21}N_3O_3S$
▷Metahexamide, M-00146
▷Tolazamide, T-00344

$C_{14}H_{21}N_3O_4S$
Sulmepride, S-00228

$C_{14}H_{21}N_3O_5$
Leonurine, L-00025

$C_{14}H_{21}N_3O_6S$
▷Penicillin *N*, P-00066

$C_{14}H_{22}BrN_3O_2$
Bromopride, B-00317

$C_{14}H_{22}ClNO$
▷Clobutinol, C-00438

$C_{14}H_{22}ClNO_2$
▷Bupranolol, B-00369

$C_{14}H_{22}ClN_3O_2$
▷Metoclopramide, M-00327

$C_{14}H_{22}ClN_3O_3S$
Lorapride, L-00091

$C_{14}H_{22}NO_4^{\oplus}$
Hesperaline, *in* C-00308

$C_{14}H_{22}N_2O$
▷Lignocaine, L-00047
Octacaine, O-00005
Quatacaine, Q-00003

$C_{14}H_{22}N_2O_2$
α-[*N*-(β-Diethylaminoethyl)amino]phenylacetic acid, D-00234
▷Naepaine, N-00008
Propetamide, P-00499

$C_{14}H_{22}N_2O_3$
▷Atenolol, A-00468
▷Bucolome, *in* C-00622
▷Practolol, P-00394
Trimetazidine, T-00497

$C_{14}H_{22}N_2O_3S$
▷Piprozolin, P-00310

$C_{14}H_{22}N_2O_7S$
Rimazolium metilsulfate, *in* R-00055

$C_{14}H_{22}N_4$
Quinelorane, Q-00019

$C_{14}H_{22}N_4O_2$
Nosantine, N-00226

$C_{14}H_{22}N_4O_3S$
Delfantrine, D-00053

$C_{14}H_{22}N_6O_3$
3′-Amino-3′-deoxyadenosine; 3′,3′,6,6-Tetra-*N*-Me, *in* A-00234

$C_{14}H_{22}O_8$
▷Citric acid; Tri-Et ester, Ac, *in* C-00402

$C_{14}H_{23}BrINO_3$
Fubrogonium iodide, *in* F-00272

$C_{14}H_{23}BrNO_3^{\oplus}$
Fubrogonium(1+), F-00272

$C_{14}H_{23}Cl_2N_3O_2$
▷Spiromustine, S-00124

$C_{14}H_{23}NO_2$
Piroctone, P-00344

$C_{14}H_{23}NO_3$
Arnolol, A-00445

$C_{14}H_{23}NO_4S$
Sulfonterol, S-00220

$C_{14}H_{23}NO_8$
2-Amino-2-deoxyglucose; Et glycoside, 3,4,6-tri-Ac, *in* A-00235

$C_{14}H_{23}N_3O_3S$
Sematilide, S-00040

$C_{14}H_{23}N_3O_{10}$
▷Pentetic acid, P-00094

$C_{14}H_{23}N_7S$
Impromidine, I-00046
Sopromidine, S-00102

$C_{14}H_{24}CaN_4O_8$
Piperazine calcium edetate, *in* P-00285

$C_{14}H_{24}N_2O_7$
▷Spectinomycin, S-00111

$C_{14}H_{24}N_2O_8$
Ethylenediaminetetraacetic acid; Tetra-Me ester, *in* E-00186

$C_{14}H_{24}N_2O_{10}$
▷3,12-Bis(carboxymethyl)-6,9-dioxa-3,12-diazatetradecanedioic acid, B-00196

$C_{14}H_{24}O_4$
4-Hydroxy-α,α,4-trimethylcyclohexanemethanol; Di-Ac, *in* H-00216

$C_{14}H_{25}HgNO_5$
[3-(3-Carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methyoxypropyl]hydroxomercury, C-00067

$C_{14}H_{25}N$
1-Adamantyl-2-methyl-2-propylamine, A-00064

$C_{14}H_{26}N_2O_7$
Dihydrospectinomycin, *in* S-00111

$C_{14}H_{26}N_4O_3$
Prolyl-*N*-methylleucylglycinamide, P-00474

$C_{14}H_{26}N_4O_{11}P_2$
▷Cytidine diphosphate choline, C-00655

$C_{14}H_{26}O_2$
1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid, M-00268

$C_{14}H_{26}O_3$
Menglytate, M-00090

$C_{14}H_{26}O_4$
Valproate pivoxil, *in* P-00516

$C_{14}H_{27}NO_6$
Amiprilose, A-00345

$C_{14}H_{27}N_3O_2$
Pramiracetam, P-00397

$C_{14}H_{28}N_2O_5$
Carnitine; Dimeric intermolecular ester, *in* C-00084

$C_{14}H_{28}N_9OP_3$
▷Fotrin, F-00262

$C_{14}H_{30}Br_2N_2O_4$
Suxamethonium bromide, *in* S-00280

$C_{14}H_{30}Cl_2N_2O_4$
▷Suxamethonium chloride, *in* S-00280

$C_{14}H_{30}I_2N_2O_2$
▷Dimecolonium iodide, *in* D-00376

$C_{14}H_{30}N_2O_2^{\oplus\oplus}$
Dimecolonium(2+), D-00376

$C_{14}H_{30}N_2O_4^{\oplus\oplus}$
▷Suxamethonium(2+), S-00280

$C_{14}H_{30}O$
7-Ethyl-2-methyl-4-undecanol, E-00209

$C_{14}H_{30}O_2$
2,2,9,9-Tetramethyl-1,10-decanediol, T-00146

$C_{14}H_{30}O_2S_2$
▷1,10-Bis(2-hydroxyethylthio)decane, B-00217

$C_{14}H_{32}N_2O_4$
▷Edetol, E-00012

$C_{15}H_8F_2N_2O_2$
Imirestat, I-00041

$C_{15}H_8O_3$
α,9-Dioxo-9*H*-fluorene-2-acetaldehyde, D-00479

$C_{15}H_8O_5$
▷Coumestrol, C-00558

$C_{15}H_8O_6$
4,5-Dihydroxyanthraquinone-2-carboxylic acid, D-00309

$C_{15}H_9BrFNO_4$
Brocrinat, B-00276

$C_{15}H_9BrO_2$
▷2-(4-Bromophenyl)-1,3-indanedione, B-00313
▷Isobromindione, I-00178

$C_{15}H_9ClO_2$
▷2-(4-Chlorophenyl)-1,3-indandione, C-00264

$C_{15}H_9Cl_2N_5$
▷Zapizolam, Z-00005

$C_{15}H_9FO_2$
▷2-(4-Fluorophenyl)-1,3-indanedione, F-00189

$C_{15}H_9I_3O_5$
Acetiromate, A-00022

$C_{15}H_9NaO_6S$
Florenal, *in* D-00479

$C_{15}H_{10}BrClN_4S$
Brotizolam, B-00329

$C_{15}H_{10}Br_2ClNO_2S$
▷Brotianide, B-00328

$C_{15}H_{10}ClI_2NO_3$
▷Clioxanide, C-00430

$C_{15}H_{10}ClNO$
5*H*-Dibenz[*b,f*]azepine; *N*-Chlorocarbonyl, *in* D-00155

$C_{15}H_{10}ClN_3O_3$
▷Clonazepam, C-00475

$C_{15}H_{10}Cl_2N_2O$
▷Delorazepam, D-00056

$C_{15}H_{10}Cl_2N_2O_2$
▷Lonidamine, L-00086
Lorazepam, *in* D-00056

$C_{15}H_{10}Cl_3NO_6S$
Sulicrinat, S-00224

$C_{15}H_{10}N_2O_6$
▷Lomofungin, L-00082

$C_{15}H_{10}O_2$
▷2-Phenyl-1,3-indanedione, P-00192

$C_{15}H_{10}O_3$
7-Hydroxyisoflavone, H-00144

$C_{15}H_{10}O_4$
6,8-Dihydroxyflavone, D-00326
1-Hydroxy-8-methoxyanthraquinone, *in* D-00308

$C_{15}H_{10}O_5$
1,6-Dihydroxyxanthone; 6-Ac, *in* D-00357

$C_{15}H_{10}O_5S$
7-(Methylsulfinyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, M-00305

$C_{15}H_{10}O_7$
▷3,3′,4′,5,7-Pentahydroxyflavone, P-00082

$C_{15}H_{11}BrCl_2N_2$
▷Nolinium bromide, *in* N-00199

$C_{15}H_{11}ClN_2O$
▷7-Chloro-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *in* D-00148
▷3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, C-00272

$C_{15}H_{11}ClN_2O_2$
▷Demoxepam, D-00069
▷Oxazepam, O-00096

$C_{15}H_{11}ClO_2$
Cloridarol, C-00498

$C_{15}H_{11}ClO_3$
Furcloprofen, F-00288

$C_{15}H_{11}Cl_2F_5O_2$
Fenfluthrin, F-00051

$C_{15}H_{11}Cl_2NO_4$
Clamidoxic acid, C-00406

$C_{15}H_{11}Cl_2N_2^{\oplus}$
Nolinium(1+), N-00199

$C_{15}H_{11}Cl_3N_4S$
Zinoconazole, Z-00021

$C_{15}H_{11}FO_4$
Flufenisal, *in* F-00185

$C_{15}H_{11}I_3O_4$
Thyropropic acid, T-00231

$C_{15}H_{11}I_4NO_4$
▷Thyroxine, T-00233

$C_{15}H_{11}NO_2$
3-Hydroxy-4-phenyl-2(1*H*)-quinolinone, H-00196

$C_{15}H_{11}NO_3$
Furegrelate, F-00289
Viridicatol, *in* H-00196

$C_{15}H_{11}NO_5$
Bostrycoidin, B-00259

$C_{15}H_{11}N_3O_2$
Furodazole, F-00294

$C_{15}H_{11}N_3O_3$
▷Nitrazepam, N-00170

$C_{15}H_{12}BrNO_3$
[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid, A-00219

$C_{15}H_{12}ClNO_2$
▷Carprofen, C-00099

$C_{15}H_{12}Cl_2N_2O_4$
Urefibrate, U-00014

$C_{15}H_{12}Cl_2O_2$
2,4-Dichloro-3,5-dimethylphenol; Benzoyl, *in* D-00186

$C_{15}H_{12}FN_3O_5S$
Luxabendazole, L-00119

$C_{15}H_{12}I_2O_3$
▷Iodoalphionic acid, I-00100

$C_{15}H_{12}I_3NO_4$
3,3′,5-Triiodothyronine, T-00487

$C_{15}H_{12}N_2O$
4-Aminoacridine; 4-*N*-Ac, *in* A-00204
▷9-Aminoacridine; 9-*N*-Ac, *in* A-00205
▷1-Benzyl-2(1*H*)-cycloheptimidazolone, B-00110
▷5*H*-Dibenz[b,f]azepine-5-carboxamide, *in* D-00155
1-Methylisatin; 2-Anil, *in* M-00264
Nafimidone, N-00016

$C_{15}H_{12}N_2O_2$
10,11-Dihydro-10-oxo-5*H*-dibenz[*b*,*f*]azepine-5-carboxamide, *in* D-00281
▷5,5-Diphenyl-2,4-imidazolidinedione, D-00493

$C_{15}H_{12}N_2O_3$
Urea; *N*,*N*′-Dibenzoyl, *in* U-00011

$C_{15}H_{12}OS$
3-Hydroxymethyldibenzo[*b*,*f*]thiepin, H-00159

$C_{15}H_{12}O_3$
▷1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one, D-00347
2,7-Dimethoxy-9-fluorenone, *in* D-00327
1-Hydroxy-8-methoxyanthrone, *in* D-00310

$C_{15}H_{12}O_3S$
3-Hydroxymethyldibenzo[*b*,*f*]thiepin; 5,5-Dioxide, *in* H-00159

$C_{15}H_{12}O_4$
Acetylsalol, *in* A-00026
1-(2,4-Dihydroxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, D-00346
Methyl 2-hydroxybenzoate; Benzoyl, *in* M-00261

$C_{15}H_{13}ClN_2$
▷Chlormidazole, C-00211

$C_{15}H_{13}ClN_2O$
2-Amino-5-chlorobenzoxazole; 2-*N*-benzyl, 3-Me, *in* A-00225
Lofendazam, L-00072

$C_{15}H_{13}ClN_2O_7$
Nitricholine perchlorate, *in* C-00308

$C_{15}H_{13}Cl_2N_5$
▷Robenidine, R-00069

$C_{15}H_{13}FO_2$
Fluprofen, F-00209
▷Flurbiprofen, F-00218

$C_{15}H_{13}FO_3$
4′-Fluoro-4-hydroxy-3-biphenylcarboxylic acid; Et ester, *in* F-00185

$C_{15}H_{13}F_3N_2O_4$
1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)-phenyl]-3-pyridinecarboxylic acid, D-00283

$C_{15}H_{13}N$
5*H*-Dibenz[*b*,*f*]azepine; 5-*N*-Me, *in* D-00155

$C_{15}H_{13}NO_2S$
10-Methyl-10*H*-phenothiazine-2-acetic acid, *in* P-00168
10*H*-Phenothiazine-2-acetic acid; Me ester, *in* P-00168

$C_{15}H_{13}NO_3$
▷(2-Amino-3-benzoylphenyl)acetic acid, A-00218
Ketorolac, K-00019
▷Pranoprofen, P-00400

$C_{15}H_{13}NO_4$
Acetaminosalol, *in* H-00112

$C_{15}H_{13}N_3O_2$
Prinomide, P-00439

$C_{15}H_{13}N_3O_2S$
▷Fenbendazole, F-00037
Frentizole, F-00264

$C_{15}H_{13}N_3O_3S$
▷Oxfendazole, O-00108

$C_{15}H_{13}N_3O_4$
Aconiazide, A-00046

$C_{15}H_{13}N_3O_4S$
▷Piroxicam, P-00351

$C_{15}H_{14}ClNO_3$
Zomepirac, Z-00035

$C_{15}H_{14}ClNO_4S$
Aclantate, A-00043

$C_{15}H_{14}ClN_3O$
Dazadrol, D-00022

$C_{15}H_{14}ClN_3O_3$
Sarmazenil, S-00024

$C_{15}H_{14}ClN_3O_4S$
▷Cefaclor, C-00109

$C_{15}H_{14}ClN_3O_4S_3$
▷Benzthiazide, B-00103

$C_{15}H_{14}ClN_3O_6$
Lodoxamide ethyl, *in* L-00071

$C_{15}H_{14}FNO_3$
Ibafloxacin, I-00002

$C_{15}H_{14}FN_3O_3$
▷Flumazenil, F-00152

$C_{15}H_{14}F_3N_3O_3S$
Galosemide, G-00007

$C_{15}H_{14}F_3N_3O_4S_2$
▷Bendrofluazide, B-00047

$C_{15}H_{14}N_2$
4-Aminoacridine; 4-*N*-Et, *in* A-00204

$C_{15}H_{14}N_2O$
5,5-Diphenyl-4-imidazolidinone, D-00494

$C_{15}H_{14}N_2O_2$
1-Amino-2-nitro-1,2-diphenylethylene; *N*-Me, *in* A-00293

$C_{15}H_{14}N_2O_3$
Anilamate, A-00389

$C_{15}H_{14}N_2O_5S$
Enoxamast; Et ester, *in* E-00061

$C_{15}H_{14}N_2S_2$
Tetrahydro-2*H*-1,3,5-thiadiazine-2-thione; 3,5-*N*-Di-Ph, *in* T-00135

$C_{15}H_{14}N_4O$
Fepitrizol, F-00083

$C_{15}H_{14}N_4O_2S$
▷Sulphaphenazole, S-00250

$C_{15}H_{14}N_4O_6S_2$
Ceftibuten, C-00155

$C_{15}H_{14}N_6O_6S_3$
Cefanone, C-00113

$C_{15}H_{14}O_2$
Benzoin; Me ether, *in* B-00093
4-Benzylphenol; Ac, *in* B-00127
4-Biphenylacetic acid; Me ester, *in* B-00176
Diphenylacetic acid; Me ester, *in* D-00488
▷2-Phenylethanol; Benzoyl, *in* P-00187

$C_{15}H_{14}O_3$
4-(Benzyloxy)phenol; Ac, *in* B-00124
2,4-Dihydroxybenzophenone; Di-Me ether, *in* D-00318
3-Hydroxy-3,3-diphenylpropanoic acid, H-00126
2-Hydroxy-4-methoxy-4′-methylbenzophenone, H-00150
▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone, H-00157
2-(3-Phenoxyphenyl)propanoic acid, P-00172

$C_{15}H_{14}O_4$
▷Acetomenaphthone, *in* D-00333
2,6-Dihydroxybenzoic acid; Me ether, benzyl ester, *in* D-00317
Furacrinic acid, F-00277
4-Methoxy-γ-oxo-1-naphthalenebutanoic acid, M-00208

$C_{15}H_{14}O_4N_2S$
Tioxacin; Me ester, *in* T-00306

$C_{15}H_{14}O_5$
Pyratrione, P-00559

$C_{15}H_{14}O_5S$
Timefurone, T-00281

$C_{15}H_{14}O_6$
3,3′,4′,5,7-Pentahydroxyflavan, P-00081

$C_{15}H_{14}O_7$
3,3′,4,4′,5,7-Hexahydroxyflavan, H-00054

$C_{15}H_{14}O_8$
3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid; Tri-Ac, *in* T-00480

$C_{15}H_{15}BrN_2$
Nomelidine, N-00201

$C_{15}H_{15}ClFNO$
Halonamine, H-00011

$C_{15}H_{15}ClN_2O$
Nortetrazepam, N-00223

$C_{15}H_{15}ClN_2O_4S$
Xipamide, X-00017

$C_{15}H_{15}Cl_2N_3O$
Endixaprine, E-00046

$C_{15}H_{15}FN_4O$
Zolazepam, Z-00028

$C_{15}H_{15}F_2NO$
Flunamine, F-00164

$C_{15}H_{15}I_3N_2O_6$
Ethyl cartrizoate, E-00180

$C_{15}H_{15}N$
3-Phenyl-1-indanamine, P-00191

$C_{15}H_{15}NO$
2-[1-(Benzylimino)ethyl]phenol, B-00121

$C_{15}H_{15}NO_2$
2-Amino-1-phenylethanol; *N*-Benzoyl, *in* A-00304
▷Enfenamic acid, E-00054
▷Mefenamic acid, M-00062
Nafoxadol, N-00020

$C_{15}H_{15}NO_2S$
Modafinil, M-00417

$C_{15}H_{15}NO_3$
N-(4-Ethoxyphenyl)-2-hydroxybenzamide, E-00170
▷Tolmetin, T-00353

$C_{15}H_{15}NO_3S$
Adrafinil, A-00074

$C_{15}H_{15}N_3O$
3,9-Diamino-7-ethoxyacridine, D-00130
Nanterinone, N-00037
Premazepam, P-00418

$C_{15}H_{15}N_3O_3$
Verazide, V-00020

$C_{15}H_{15}N_3O_7$
6-Azauridine; 5′-Benzoyl, *in* A-00514

$C_{15}H_{15}N_7O_4S_3$
Cefivitril, C-00128

$C_{15}H_{15}O_4P$
Diphenyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276

$C_{15}H_{16}ClNO$
Setazindol, S-00057

$C_{15}H_{16}ClNO_4$
Romazarit, R-00080

$C_{15}H_{16}ClN_3O$
Daxatrigine, D-00021

$C_{15}H_{16}ClN_3O_3S$
Besulpamide, B-00139
Glyparamide, G-00076

$C_{15}H_{16}ClN_3O_4S_2$
▷Bemetizide, B-00032

$C_{15}H_{16}ClN_3O_4S_3$
Hydrobentizide, *in* B-00103

$C_{15}H_{16}ClN_3S$
▷Tolonium chloride, *in* T-00359

$C_{15}H_{16}I_3NO_3$
Buniodyl, B-00363
Iolidonic acid, I-00118

$C_{15}H_{16}I_3NO_5$
Iobutoic acid, I-00092

$C_{15}H_{16}I_3N_3O_7$
Ioseric acid, I-00135

$C_{15}H_{16}NO_6P$
2-Amino-3-[(diphenoxyphosphinyl)oxy]propanoic acid, *in* P-00220

$C_{15}H_{16}N_2O$
▷Benmoxin, B-00055
Picobenzide, P-00237

$C_{15}H_{16}N_2O_2S$
▷*N*,*N*′-Bis(4-methoxyphenyl)thiourea, *in* B-00222

$C_{15}H_{16}N_2O_5S_2$
Acetylgliotoxin, *in* G-00041

$C_{15}H_{16}N_2O_6S_2$
Ticarcillin, T-00255

$C_{15}H_{16}N_2S$
Tienocarbine, T-00260

$C_{15}H_{16}N_3S^{\oplus}$
Tolonium(1+), T-00359

$C_{15}H_{16}N_4O$
Ripazepam, R-00062

$C_{15}H_{16}N_4O_2$
Nicaraven, N-00087
Zomebazam, Z-00034

$C_{15}H_{16}N_6O$
Amicarbalide, A-00186

$C_{15}H_{16}O$
4-Benzylphenetole, *in* B-00127

$C_{15}H_{16}O_2$
1-Ethynylcyclohexanol; Benzoyl, *in* E-00228
4-(6-Methoxy-2-naphthalenyl)-2-butanone, M-00206

$C_{15}H_{16}O_3$
3,4′-Dihydroxy-5-methoxybibenzyl, *in* D-00345

$C_{15}H_{16}O_5$
Fuscin, F-00302

$C_{15}H_{16}O_6$
▷Picrotoxinin, P-00243

$C_{15}H_{16}O_8$
Skimmin, *in* H-00114

$C_{15}H_{16}O_8S_2$
Dicresulene, D-00216
Policresulen, *in* D-00216

$C_{15}H_{17}BrN_2O_2$
▷Benzpyrinium bromide, *in* B-00101

$C_{15}H_{17}BrO_4$
3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid, B-00312

$C_{15}H_{17}ClN_2O_2$
Climbazole, C-00427

$C_{15}H_{17}FN_4O_2$
Flupirtine, F-00204

$C_{15}H_{17}FN_4O_3$
Enoxacin, E-00060
Esafloxacin, E-00119

$C_{15}H_{17}N$
N-Methyldibenzylamine, M-00244

$C_{15}H_{17}NO_7$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; *O*,*O*,*N*-Tri-Ac, *in* A-00248

$C_{15}H_{17}NS_2$
▷Tipepidine, T-00311

$C_{15}H_{17}N_2O_2^{\oplus}$
Benzpyrinium(1+), B-00101

$C_{15}H_{17}N_3O$
Cetoxime, C-00186
Metralindole, M-00340

$C_{15}H_{17}N_3O_6S$
Betiatide, B-00144

$C_{15}H_{17}N_4O_2P$
Dinaphthimine, D-00464

$C_{15}H_{17}N_5O$
Bemitradine, B-00033

$C_{15}H_{17}N_5O_6S_2$
Cefpodoxime, C-00145

$C_{15}H_{17}N_5S$
Pentiapine, P-00097

$C_{15}H_{17}N_7O_5S_3$
▷Cefmetazole, C-00132

$C_{15}H_{18}$
2-Isopropyl-4,8-dimethylazulene, I-00203
▷7-Isopropyl-1,4-dimethylazulene, I-00204

$C_{15}H_{18}BrN_5O$
Broperamole, B-00327

$C_{15}H_{18}Br_2N_4O_2$
▷Trimedoxime bromide, *in* T-00493

$C_{15}H_{18}ClNO_2$
Pirprofen; Et ester, *in* P-00355

$C_{15}H_{18}ClNO_3$
Enilosperone, E-00056

$C_{15}H_{18}ClN_3O_3S$
Tiaramide, T-00245

$C_{15}H_{18}Cl_2N_4O_3$
Ridazolol, R-00041

$C_{15}H_{18}F_2N_6O_7S_2$
Flomoxef, F-00120

$C_{15}H_{18}I_3NO_3$
Tyropanoic acid, T-00581

$C_{15}H_{18}I_3NO_5$
▷Iolixanic acid, I-00119
▷Iopronic acid, I-00132

$C_{15}H_{18}N_2$
Pirlindole, P-00340

$C_{15}H_{18}N_2O$
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287

$C_{15}H_{18}N_2O_2$
Propoxate, P-00509

$C_{15}H_{18}N_2O_3$
Tryptophan; Et ester, *N*-Ac, *in* T-00567

$C_{15}H_{18}N_4O_2^{\oplus\oplus}$
▷Trimedoxime(2+), T-00493

$C_{15}H_{18}N_4O_5$
▷Mitomycin *C*, M-00404
Mitomycin *C*; Isomer, *in* M-00404
Mitomycin D, *in* P-00388

$C_{15}H_{18}N_6O_2$
▷Pimefylline, P-00254

$C_{15}H_{18}O_2$
4(15),7(11),8-Eudesmatrien-12,8-olide, E-00269
Tetriprofen, T-00155

$C_{15}H_{18}O_3$
Loxoprofen, L-00108

$C_{15}H_{18}O_3S$
5-Isopropyl-3,8-dimethyl-1-azulenesulfonic acid, I-00205

$C_{15}H_{18}O_4$
8-Epihelenalin, *in* H-00024
▷Helenalin, H-00024

$C_{15}H_{18}O_6$
Glucurono-6,3-lactone; Me glycoside, 5-benzyl, 2-Me, *in* G-00059
Obtsusinin, *in* H-00148

$C_{15}H_{18}O_7$
▷Picrotin, P-00241

$C_{15}H_{19}BrN_2O_5$
Mebrofenin, M-00038

$C_{15}H_{19}FN_2O_2$
Fluzoperine, F-00236

$C_{15}H_{19}FO_5$
2-Deoxy-2-fluoroglucose; Me glycoside, 4,6-*O*-benzylidene, 3-Me, *in* D-00078

$C_{15}H_{19}F_3N_2S$
Ticarbodine, T-00254

$C_{15}H_{19}NO$
Furfenorex, F-00291
▷Pronethalol, P-00483

$C_{15}H_{19}NO_3$
Ximoprofen, X-00015

$C_{15}H_{19}NO_4S$
Bencisteine, B-00040

$C_{15}H_{19}NO_4S_2$
Guaistene, G-00096

$C_{15}H_{19}NO_6$
Esculamine, E-00121

$C_{15}H_{19}NS_2$
Ethylmethylthiambutene, E-00208

$C_{15}H_{19}N_3OS$
Butamisole, B-00387

$C_{15}H_{19}N_3O_2S$
Dribendazole, D-00602

$C_{15}H_{19}N_3O_4$
Abunidazole, A-00003
Tropabazate, T-00546

$C_{15}H_{19}N_3O_5$
▷Carboquone, C-00063

$C_{15}H_{20}ClN_3O_2$
Vibunazole, V-00028
Zacopride, Z-00002

$C_{15}H_{20}ClN_5$
Spirotriazine, S-00130

$C_{15}H_{20}Cl_2N_2O$
Clibucaine, C-00423

$C_{15}H_{20}Cl_2N_2O_3$
Raclopride, R-00002

$C_{15}H_{20}FNO$
Primaperone, P-00433

$C_{15}H_{20}NOS^{\oplus}$
Thenium(1+), T-00164

$C_{15}H_{20}N_2$
3-[2-(4-Piperidinyl)ethyl]-1*H*-indole, P-00287

$C_{15}H_{20}N_2O$
2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole, D-00297
1-(Dimethylamino)ethyl-3-propanoyl-1*H*-indole, D-00414
1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone, P-00199

$C_{15}H_{20}N_2O_2$
▷Fenspiride, F-00076
Oxamisole, O-00083

$C_{15}H_{20}N_2O_3$
▷Pifoxime, P-00249

$C_{15}H_{20}N_2O_4S$
▷Acetohexamide, A-00023
Sumacetamol, S-00267

$C_{15}H_{20}N_2O_5$
Iprofenin, I-00160

$C_{15}H_{20}N_2S$
▷Methaphenilene, M-00170

$C_{15}H_{20}N_6O_4$
Azetirelin, A-00518

$C_{15}H_{20}O_2$
▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
4(15),7(11),8-Eudesmatrien-12,8-olide; 8β,9-Dihydro, *in* E-00269
2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
Mokkolactone, M-00422

$C_{15}H_{20}O_3$
2-Cyclohexyl-2-hydroxy-2-phenylacetic acid; Me ester, *in* C-00614
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide, H-00134
2-Methoxy-4-(2-propenyl)phenol; 3-Methylbutanoyl, *in* M-00215
Onitin, O-00049

$C_{15}H_{21}BrN_2O$
Bromadoline, B-00282

$C_{15}H_{21}Cl_2N_3O$
Acaprazine, A-00004

$C_{15}H_{21}F_3N_2O_2$
Fluvoxamine, F-00234

$C_{15}H_{21}N$
▷Fencamfamin, F-00038

$C_{15}H_{21}NO$
Eptazocine, E-00097
Metazocine, M-00155
Tofetridine, T-00340

$C_{15}H_{21}NO_2$
Ciclafrine, C-00325
Ciclonicate, *in* T-00506
▷β-Eucaine, *in* T-00511
Hexahydro-1,3-dimethyl-4-phenyl-1*H*-azepine-4-carboxylic acid, H-00048
Indenolol, I-00056
▷Ketobemidone, K-00014
Naxagolide, N-00053
▷Pethidine, P-00131
▷Prodilidine, P-00459
Tolpronine, T-00366

$C_{15}H_{21}NO_3$
▷Hydroxypethidine, H-00189
Metostilenol, M-00337

$C_{15}H_{21}NO_3S$
N-(α-Phenylbutyryl)methionine, P-00181

$C_{15}H_{21}NO_4$
Afurolol, A-00082
Dehydroactidione, *in* D-00441
Inactone, *in* D-00441

$C_{15}H_{21}NO_6$
2-Amino-2-deoxyglucose; Phenyl glycoside, *N*-propionyl, *in* A-00235

$C_{15}H_{21}NO_9$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; 3′-*O*-β-D-Glucopyranoside, *in* A-00248

$C_{15}H_{21}N_3O$
[1-[1-(Dimethylamino)ethyl]-1*H*-indol-3-yl]-1-propanone oxime, *in* D-00414
▷Primaquine, P-00434
▷Quinocide, Q-00029
Tryptophan; Diethylamide, *in* T-00567

$C_{15}H_{21}N_3OS$
Zolamine, Z-00027

$C_{15}H_{21}N_3O_2$
▷Eserine, E-00122
▷Mexolamine, M-00353

$C_{15}H_{21}N_3O_2S_3$
Arotinolol, A-00447

$C_{15}H_{21}N_3O_3$
Geneserine, G-00016

$C_{15}H_{21}N_3O_3S$
▷Gliclazide, G-00037

$C_{15}H_{21}N_5O_2$
Aditoprime, *in* A-00073

$C_{15}H_{21}N_5O_4$
N-(3-Methyl-2-butenyl)adenosine, M-00234

$C_{15}H_{21}N_7O_4$
Antibiotic RP 35391, *in* S-00078

$C_{15}H_{21}N_7O_5$
Dehydrosinefungin, *in* S-00078

$C_{15}H_{21}N_7O_6$
▷Alazopeptin, A-00095

$C_{15}H_{22}FN_3O_4$
Flestolol, *in* D-00352

$C_{15}H_{22}N_2$
Etaminile, E-00136

$C_{15}H_{22}N_2O$
▷Mepivacaine, M-00101
Milnacipran, M-00376
Piquindone, P-00311

$C_{15}H_{22}N_2O_2$
Mepindolol, M-00097
Mixidine, M-00410
Penirolol, P-00070

$C_{15}H_{22}N_2O_3$
Tolycaine, T-00373

$C_{15}H_{22}N_2O_3S$
Heptolamide, H-00032

$C_{15}H_{22}N_2O_4$
Troxipide, *in* A-00314

$C_{15}H_{22}N_2O_4S$
Hydroxyhexamide, H-00137

$C_{15}H_{22}N_2O_6$
Nipradilol, N-00154

$C_{15}H_{22}N_4O_2$
Cartazolate, C-00101

$C_{15}H_{22}N_4O_3$
Propentofylline, P-00495

$C_{15}H_{22}N_6O_5S$
S-Adenosylmethionine, A-00068

$C_{15}H_{22}O$
4(15),7(11)-Eudesmadien-8-one, E-00268

$C_{15}H_{22}O_3$
▷5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid, D-00443

$C_{15}H_{22}O_5$
Anguidol, A-00386
▷Artemisinin, A-00452
Tioctilate, *in* T-00193

$C_{15}H_{23}ClN_4O_2$
Dazopride, D-00027

$C_{15}H_{23}N$
▷Prolintane, P-00473

$C_{15}H_{23}NO$
Meptazinol, M-00107

$C_{15}H_{23}NO_2$
Aceverine, *in* A-00300
▷Alprenolol, A-00151
Aminoprofen, A-00316
2-Benzyl-4-(diethylamino)butanoic acid, B-00111
Ciramadol, C-00394
Isobucaine, I-00179
Procinolol, P-00451

$C_{15}H_{23}NO_3$
▷Ethomoxane, E-00158
Etilefrine pivalate, *in* A-00272
▷Oxprenolol, O-00145
Parethoxycaine, P-00034
Trimoxamine, T-00519

$C_{15}H_{23}NO_4$
4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione, D-00441

$C_{15}H_{23}NS$
▷1-[1-(2-Thienyl)cyclohexyl]piperidine, T-00187

$C_{15}H_{23}N_3$
Iquindamine, I-00168

$C_{15}H_{23}N_3OS$
Diamthazole, D-00143

$C_{15}H_{23}N_3O_2$
▷Acecainide, *in* P-00446
N^{α}-(4-Oxodecanoyl)histamine, *in* H-00077

$C_{15}H_{23}N_3O_3S$
▷Mecillinam, M-00042

$C_{15}H_{23}N_3O_4S$
▷Cyclacillin, C-00585
Isosulpride, I-00213
▷Sulpiride, S-00259

$C_{15}H_{23}N_7O_5$
▷Sinefungin, S-00078

$C_{15}H_{24}N_2O$
▷Morforex, M-00441
▷Trimecaine, T-00492

$C_{15}H_{24}N_2O_2$
Dimetholizine, D-00395
▷Tetracaine, T-00104

$C_{15}H_{24}N_2O_3$
▷Hydroxamethocaine, H-00104
Hydroxycaine, H-00119
▷Mefexamide, M-00067

$C_{15}H_{24}N_2O_4S$
Tiapride, T-00243

$C_{15}H_{24}N_4$
N-Nonyl 7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *in* A-00330

$C_{15}H_{24}N_4O_2S_2$
▷Thiamine propyl disulfide, T-00177

$C_{15}H_{25}N$
Amfepentorex, A-00182

$C_{15}H_{25}NO_2$
Xibenolol, X-00012

$C_{15}H_{25}NO_3$
Butoxamine, B-00418
▷Metoprolol, M-00334
Piraxelate, *in* O-00139

$C_{15}H_{25}NO_5$
Indicine, I-00057

$C_{15}H_{25}NO_6$
▷Indicine N-oxide, *in* I-00057

$C_{15}H_{25}N_3O$
Caproxamine, C-00032
Recainam, R-00019

$C_{15}H_{26}N_2$
Sparteine, S-00110

$C_{15}H_{26}N_2O$
Pachycarpine N^{16}-oxide, *in* S-00110

$C_{15}H_{26}N_2O_5$
3-[3-Methyl-1-(3-methylbutylcarbamoyl)butylcarbamoyl]-2-oxiranecarboxylic acid, M-00266

$C_{15}H_{26}O$
▷α-Bisabolol, B-00184

$C_{15}H_{26}O_6$
1,2:3,4:5,6-Tri-*O*-isopropylidene-D-glucitol, *in* G-00054

$C_{15}H_{27}NO_{10}$
Pantothenic acid; 4′-*O*-(β-D-Glucoside), *in* P-00016

$C_{15}H_{27}N_5O_5$
Estate, E-00125

$C_{15}H_{29}NO_4$
Dioxamate, D-00473

$C_{15}H_{30}O_3$
Trethocanic acid, T-00417

$C_{15}H_{31}NO$
Octapinol, O-00016

$C_{15}H_{32}IN_2$
Pentolium(2+); Iodide, *in* P-00102

$C_{15}H_{32}N_2^{\oplus\oplus}$
Pentolium(2+), P-00102

$C_{15}H_{32}N_2O$
Pemerid, P-00057

$C_{15}H_{33}IN_2O_2$
Dibutoline(1+); Iodide, *in* D-00171

$C_{15}H_{33}NO$
3-(Dodecyloxy)propylamine, *in* A-00319

$C_{15}H_{33}N_2O_2^{\oplus}$
Dibutoline(1+), D-00171

$C_{16}H_6N_4O_{15}$
4,5-Dinitro-1,2-benzenedicarboxylic acid; Anhydride, *in* D-00467

$C_{16}H_8N_2O_5$
Pirenoxine, P-00318
Pirenoxine, P-00319

$C_{16}H_9ClFNO_4$
8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid, C-00240

$C_{16}H_9Cl_2NO_2$
5,7-Dichloro-8-hydroxyquinoline; *O*-Benzoyl, *in* D-00190

$C_{16}H_9F_3O_2$
▷2-[(4-Trifluoromethyl)phenyl]1,3-indanedione, T-00467

$C_{16}H_9NO_6$
3,4-Methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00252

$C_{16}H_9NO_7$
6-Hydroxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00160

$C_{16}H_{10}ClF_3N_2O$
Fluquazone, F-00213

$C_{16}H_{10}ClN_3$
▷Lotrifen, L-00104

$C_{16}H_{10}N_2$
2-Phenyl-4-quinolinecarbonitrile, *in* P-00206

$C_{16}H_{10}N_2O_8S_2$
Indigotindisulfonic acid, I-00058

$C_{16}H_{10}N_4O_{11}S_2$
Phenaphthazine, P-00145

$C_{16}H_{10}O_4$
4,4′-Biphenyldiglyoxaldehyde, B-00177
7-Hydroxy-2*H*-1-benzopyran-2-one; Benzoyl, *in* H-00114

$C_{16}H_{10}O_5$
3-O-Methylcoumestrol, *in* C-00558

$C_{16}H_{10}O_8$
Nasutin C, *in* E-00026

$C_{16}H_{11}ClN_2O_3$
Clorazepic acid, C-00494
Tesicam, T-00098

$C_{16}H_{11}ClN_4$
▷Estazolam, E-00126

$C_{16}H_{11}I_4NO_5$
Thyroxine; *N*-Formyl, *in* T-00233

$C_{16}H_{11}N$
5-Cyano-5*H*-dibenzo[*a*,*d*]cycloheptene, *in* D-00158

$C_{16}H_{11}NO_2$
▷Benzoxiquine, *in* H-00211
2-Cyano-3,3-diphenyl-2-propenoic acid, C-00582
▷2-Phenyl-4-quinolinecarboxylic acid, P-00206

$C_{16}H_{11}NO_3$
▷3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, H-00195
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Anilide, *in* O-00125
2-Phenyl-4-quinolinecarboxylic acid; 1-Oxide, *in* P-00206
Ungeremine, U-00009

$C_{16}H_{11}N_3O_5$
Nitrazepate, N-00171

$C_{16}H_{11}N_3O_5S$
Droxicam, D-00615

$C_{16}H_{12}ClFN_2O$
▷Fludiazepam, F-00144

$C_{16}H_{12}ClFN_2O_2$
▷Flutemazepam, F-00226

$C_{16}H_{12}ClNO_3$
▷Benoxaprofen, B-00059

$C_{16}H_{12}ClN_3O_3$
Meclonazepam, M-00047

$C_{16}H_{12}Cl_2N_2O$
4′-Chlorodiazepam, C-00227
Cloroqualone, C-00500

$C_{16}H_{12}Cl_2N_2O_2$
Lormetazepam, L-00097

$C_{16}H_{12}Cl_2O_3$
Clofenoxyde, C-00453

$C_{16}H_{12}Cl_2O_4$
2,10-Dichloro-12-methyl-12*H*-dibenzo[*d*,*g*][1,3]dioxocin-6-carboxylic acid, D-00192
Treloxinate, T-00408

$C_{16}H_{12}FNO_3$
▷Flunoxaprofen, F-00171

$C_{16}H_{12}FN_3O_3$
▷Flubendazole, F-00133
▷Flunitrazepam, F-00168

$C_{16}H_{12}N_2O$
2-Phenyl-4-quinolinecarboxamide, *in* P-00206

$C_{16}H_{12}N_2O_2$
▷Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, P-00222

$C_{16}H_{12}N_4O_5S_2$
Salazosulfathiazole, S-00010

$C_{16}H_{12}O_2$
5*H*-Dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid, D-00158

$C_{16}H_{12}O_3$
7-Methoxyisoflavone, *in* H-00144
▷2-(4-Methoxyphenyl)-1,3-indanedione, M-00212

$C_{16}H_{12}O_3S$
Tiopinac, T-00302

$C_{16}H_{12}O_4$
1,8-Dihydroxyanthrone; 1-Ac, *in* D-00310
1,8-Dimethoxyanthraquinone, *in* D-00308
6-Hydroxy-8-methoxyflavone, *in* D-00326

▷Isoxepac, I-00216
▷Oxepinac, O-00103
▷γ-Oxo-2-dibenzofuranbutanoic acid, O-00127
4,4′-Stilbenedicarboxylic acid, S-00153

$C_{16}H_{12}O_5$
▷5,7-Dihydroxy-4′-methoxyflavone, D-00329
5,7-Dihydroxy-4′-methoxyisoflavone, D-00330

$C_{16}H_{12}O_6$
Acetylsalicylsalicylic acid, *in* S-00015
Kalafungin, K-00002
3′,5,7-Trihydroxy-4′-methoxyflavone, T-00476

$C_{16}H_{12}O_7$
3,3′,4′,7-Tetrahydroxy-5-methoxyflavone, *in* P-00082
3,3′,5,7-Tetrahydroxy-4′-methoxyflavone, *in* P-00082
3′,4′,5,7-Tetrahydroxy-8-methoxyisoflavone, T-00138

$C_{16}H_{13}ClN_2O$
▷Diazepam, D-00148
▷Mazindol, M-00029

$C_{16}H_{13}ClN_2O_2$
▷Clobazam, C-00433
▷Temazepam, *in* O-00096
▷Tolnidamine, T-00356

$C_{16}H_{13}ClN_2O_4S$
Suclofenide, S-00174

$C_{16}H_{13}ClN_2S$
▷Sulazepam, S-00180

$C_{16}H_{13}ClO$
10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid; Chloride, *in* D-00282

$C_{16}H_{13}Cl_2NO_4$
Aceclofenac, *in* D-00210
Quinfamide, Q-00023

$C_{16}H_{13}Cl_2N_3O$
Benclonidine, B-00041

$C_{16}H_{13}Cl_3N_2OS$
Tioconazole, T-00298

$C_{16}H_{13}FN_2O_3$
Irloxacin, I-00171

$C_{16}H_{13}F_3N_2O_3$
Colfenamate, C-00535

$C_{16}H_{13}I_3N_2O_3$
▷Iobenzamic acid, I-00091

$C_{16}H_{13}I_4NO_4$
Thyroxine; Me ester, *in* T-00233

$C_{16}H_{13}NO$
▷Citenamide, *in* D-00158
5*H*-Dibenz[*b*,*f*]azepine; 5-*N*-Ac, *in* D-00155

$C_{16}H_{13}NO_2$
3-Methoxy-4-phenyl-2(1*H*)-quinolinone, *in* H-00196

$C_{16}H_{13}NO_2S$
α-Methyl-2-phenyl-6-benzothiazoleacetic acid, M-00287

$C_{16}H_{13}NO_3$
5-Hydroxy-2-methyl-1-phenyl-1*H*-indole-3-carboxylic acid, H-00173

$C_{16}H_{13}NO_4$
Papaveroline, P-00020

$C_{16}H_{13}NO_5$
Bostrycoidin 9-methyl ester, *in* B-00259

$C_{16}H_{13}N_3O_3$
▷Mebendazole, M-00031
▷Nimetazepam, N-00147

$C_{16}H_{13}N_3O_4$
Nitraquazone, N-00167

$C_{16}H_{13}N_3O_6$
Ipsalazide, I-00166

$C_{16}H_{14}ClNO$
Famotine, F-00014

$C_{16}H_{14}ClN_3O$
▷Chlordiazepoxide, C-00200

$C_{16}H_{14}Cl_2O$
Proclonol, P-00453

$C_{16}H_{14}Cl_2O_3$
Dulofibrate, D-00618

$C_{16}H_{14}FN_3O$
▷Afloqualone, A-00081

$C_{16}H_{14}F_3NO_3S$
Tolrestat, T-00370

$C_{16}H_{14}F_3N_3O_2S$
Lansoprazole, L-00008

$C_{16}H_{14}N_2O$
▷Methaqualone, M-00172

$C_{16}H_{14}N_2O_2$
Doliracetam, D-00571
▷Miroprofen, M-00394

$C_{16}H_{14}N_2O_3$
▷Bindazac, B-00167

$C_{16}H_{14}N_2O_4$
Amoxanox, A-00361

$C_{16}H_{14}N_2O_6S$
Phthalylsulfacetamide, P-00225

$C_{16}H_{14}N_4O$
Adibendan, A-00069

$C_{16}H_{14}OS_2$
2,6-Bis(2-thienylmethylene)cyclohexanone, B-00237

$C_{16}H_{14}O_2$
10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid, D-00282
2-(2-Fluorenyl)propanoic acid, F-00179

$C_{16}H_{14}O_3$
Benzoin; Ac, *in* B-00093
▷4-(4-Biphenylyl)-4-oxobutanoic acid, B-00181
1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one; 4′-Me ether, *in* D-00347
▷Ketoprofen, K-00017
3-Methylbenzoic acid; Anhydride, *in* M-00230

$C_{16}H_{14}O_4$
▷Imperatorin, I-00045
Isoimperatorin, I-00189

$C_{16}H_{14}O_5$
Guacetisal, G-00089
Guaimesal, G-00094

$C_{16}H_{14}O_6$
Diphenyl tartrate, *in* T-00028
▷Nanaomycin *A*, N-00036

$C_{16}H_{15}ClFN_3O_2$
Clanfenur, C-00408

$C_{16}H_{15}ClN_2$
▷Medazepam, M-00053

$C_{16}H_{15}ClN_2OS$
▷Clotiazepam, C-00508

$C_{16}H_{15}ClN_2S$
Etasuline, E-00141

$C_{16}H_{15}ClN_4O_2S$
Sulfaclorazole, S-00189

$C_{16}H_{15}ClO_6$
Lonapalene, *in* C-00257

$C_{16}H_{15}Cl_2N$
Indatraline, I-00053

$C_{16}H_{15}F_3O$
▷Flumecinol, F-00153

$C_{16}H_{15}N$
Dizocilpine, D-00560

$C_{16}H_{15}NO$
▷Cyheptamide, *in* D-00282
1,2,3,4-Tetrahydroisoquinoline; *N*-Benzoyl, *in* T-00120

$C_{16}H_{15}NO_2$
Tesimide, T-00099

$C_{16}H_{15}NO_3$
Dilmefone, D-00371
▷Ftaxilide, F-00268

$C_{16}H_{15}NO_4$
Anirolac, A-00393

$C_{16}H_{15}NO_5$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; *N*-Benzoyl, *in* A-00248
Nanaomycin C, *in* N-00036

$C_{16}H_{15}N_3$
3-Amino-9,13*b*-dihydro-1*H*-dibenz[*c*,*f*]imidazo[1,5-*a*]azepine, A-00242

$C_{16}H_{15}N_3O_4$
▷Mitonafide, M-00405

$C_{16}H_{15}N_3O_5$
▷Opiniazide, O-00051
Pirolate, P-00347

$C_{16}H_{15}N_3O_7S$
Sulphaloxic acid, S-00241

$C_{16}H_{15}N_5O_2$
Trizoxime, T-00543

$C_{16}H_{15}N_5O_4S_3$
Cefetrizole, C-00127

$C_{16}H_{15}N_5O_7S_2$
Cefixime, C-00129

$C_{16}H_{15}N_7O_5S_4$
Cefuzonam, C-00162

$C_{16}H_{16}ClNO_2$
Nicoclonate, N-00094

$C_{16}H_{16}ClNO_2S$
Clopidogrel, C-00484

$C_{16}H_{16}ClNO_3$
Clofeverine, C-00454
Fenoldopam, F-00063
▷Nicofibrate, N-00097

$C_{16}H_{16}ClNO_4S$
Daltroban, D-00007

$C_{16}H_{16}ClN_3O_3S$
▷Indapamide, I-00052
▷Metolazone, M-00330
Zidapamide, Z-00011

$C_{16}H_{16}ClN_3O_4$
Loracarbef, L-00090

$C_{16}H_{16}ClN_3O_5S$
Cefedrolor, C-00123

$C_{16}H_{16}ClN_5O$
Fenprinast, F-00072

$C_{16}H_{16}FNO$
▷Fenisorex, F-00056

$C_{16}H_{16}NO_6P$
▷Naphthalophos, N-00042

$C_{16}H_{16}N_2OS$
▷10-[(Dimethylamino)acetyl]-10*H*-phenothiazine, D-00403

$C_{16}H_{16}N_2O_2$
Nafazatrom, N-00011

$C_{16}H_{16}N_2O_4S$
▷Bis(4-acetamidophenyl)sulfone, *in* D-00129

$C_{16}H_{16}N_2O_5$
Succisulfone, S-00173

$C_{16}H_{16}N_2O_6S_2$
▷Cephalothin, C-00178

$C_{16}H_{16}N_4$
Stilbamidine, *in* S-00153

$C_{16}H_{16}N_4O$
▷Hydroxystilbamidine, H-00213

$C_{16}H_{16}N_4O_2S$
Sulfapyrazole, S-00207

$C_{16}H_{16}N_4O_5$
▷Nifurquinazol, N-00130

$C_{16}H_{16}N_4O_8S$
▷Cefuroxime, C-00161

$C_{16}H_{16}N_6Na_2O_{12}S_2Tc_2$
Technetium tiatide, *in* M-00129

$C_{16}H_{16}O_2$
▷2-(4-Biphenylyl)butanoic acid, B-00179
Diphenylacetic acid; Et ester, *in* D-00488
1-(2-Oxocyclohexyl)-2-naphthol, O-00126

$C_{16}H_{16}O_3$
2-Cyclohexyl-3-hydroxy-1,4-naphthoquinone, C-00613
3-Hydroxy-3,3-diphenylpropanoic acid; Me ester, *in* H-00126
2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone; Me ether, *in* H-00157

$C_{16}H_{16}O_4N_2S$
Tioxacin; Et ester, *in* T-00306

$C_{16}H_{16}O_5$
2,6-Dihydroxybenzoic acid; Me ether, 2-methoxybenzyl ester, *in* D-00317
Nanaomycin βA, *in* N-00036

$C_{16}H_{16}O_6$
Meciadanol, *in* P-00081
3,3′,4′,5,7-Pentahydroxyflavan; $O^{3'}$-Me, *in* P-00081
3,3′,5,7-Tetrahydroxy-4′-methoxyflavan, *in* P-00081

$C_{16}H_{17}BrClN_3O_3$
Halofuginone, H-00009

$C_{16}H_{17}BrN_2$
Zimeldine, Z-00015

$C_{16}H_{17}ClN_2O$
▷Tetrazepam, T-00154

$C_{16}H_{17}ClN_2O_4$
Clonixeril, *in* C-00479

$C_{16}H_{17}ClN_4O_7$
Flavotin, F-00111

$C_{16}H_{17}FN_2S$
Tiflucarbine, T-00266

$C_{16}H_{17}NO$
1,2-Diphenylethylamine; Ac, *in* D-00492

$C_{16}H_{17}NO_2$
3-Phenyl-1-propanol; Phenylurethane, *in* P-00201

$C_{16}H_{17}NO_3$
▷Normorphine, N-00222

$C_{16}H_{17}NO_5S$
Sulotroban, S-00234

$C_{16}H_{17}N_3$
Midaglizole, M-00365

$C_{16}H_{17}N_3OS$
Bepiastine, B-00133

$C_{16}H_{17}N_3OS_2$
Disuprazole, D-00544

$C_{16}H_{17}N_3O_2$
Amonafide, A-00356
Dazmegrel, D-00025

$C_{16}H_{17}N_3O_3$
Menitrazepam, M-00091

$C_{16}H_{17}N_3O_4$
▷Anthramycin, A-00403

$C_{16}H_{17}N_3O_4S$
▷Cephalexin, C-00173

$C_{16}H_{17}N_3O_5S$
▷Cefadroxil, C-00110

$C_{16}H_{17}N_3O_7S_2$
▷Cefoxitin, C-00141

$C_{16}H_{17}N_5O_4$
Eritadenine; 2-Benzyl, *in* E-00110

$C_{16}H_{17}N_5O_4S$
Azidocillin, A-00520

$C_{16}H_{17}N_5O_6S_2$
▷Althiomycin, A-00158

$C_{16}H_{17}N_5O_7S_2$
Cefotaxime, C-00138

$C_{16}H_{17}N_5O_8S_2$
Ceftioxide, *in* C-00138

$C_{16}H_{17}N_9O_5S_2$
Cefteram, C-00153

$C_{16}H_{17}N_9O_5S_3$
Cefmenoxime, C-00130

$C_{16}H_{18}BrN_5O_7$
9-Arabinofuranosyladenine; 8-Bromo, 2′,3′,5′-tri-Ac, *in* A-00435

$C_{16}H_{18}ClN$
▷Clobenzorex, C-00435

$C_{16}H_{18}ClN_3O_2S$
Pirinixic acid; Et ester, *in* P-00332

$C_{16}H_{18}ClN_3S$
▷Methylene Blue, *in* B-00208

$C_{16}H_{18}Cl_2N_2O_2$
Valconazole, V-00002

$C_{16}H_{18}FN_3O_3$
▷Norfloxacin, N-00214

$C_{16}H_{18}N_2$
Metapramine, *in* A-00241
▷1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, T-00125

$C_{16}H_{18}N_2OS$
10-[2-(Dimethylamino)ethyl]phenothiazine; 5-Oxide, *in* D-00412

$C_{16}H_{18}N_2O_2$
Butanixin, B-00391
Domoxin, D-00575
Ethonam, E-00159
Pimetremide, P-00259

$C_{16}H_{18}N_2O_3$
Cromakalim, C-00563

$C_{16}H_{18}N_2O_4S$
▷Benzylpenicillin, B-00126
Sulphaproxyline, S-00251

$C_{16}H_{18}N_2O_4S_2$
Thiphencillin, T-00216

$C_{16}H_{18}N_2O_5S$
▷Phenoxymethylpenicillin, P-00171

$C_{16}H_{18}N_2O_6S$
Phenoxymethylpenicillin; *S*-Oxide (β-), *in* P-00171

$C_{16}H_{18}N_2O_7S_2$
Sulbenicillin, S-00181
Temocillin, T-00062

$C_{16}H_{18}N_2S$
▷10-[2-(Dimethylamino)ethyl]phenothiazine, D-00412

$C_{16}H_{18}N_3S^{\oplus}$
3,7-Bis(dimethylamino)phenothiazin-5-ium(1+), B-00208

$C_{16}H_{18}N_4O_2$
Nialamide, N-00082
▷Piribedil, P-00324

$C_{16}H_{18}N_4O_8$
Inosine; 2′,3′,5′-Tri-Ac, *in* I-00073

$C_{16}H_{18}O_2$
▷2-Ethyl-2-(1-naphthyl)butanoic acid, E-00210

$C_{16}H_{18}O_2S$
2,2′-Thiobisethanol; Di-Ph ether, *in* T-00195

$C_{16}H_{18}O_3$
Fenocinol, F-00060
▷Mucidin, M-00469
Proxicromil, P-00548

$C_{16}H_{18}O_9$
Fabiatrin, *in* H-00148

$C_{16}H_{19}BrN_2$
Brompheniramine, B-00325

$C_{16}H_{19}ClN_2$
▷Chlorpheniramine, C-00292
Tepirindole, T-00076

$C_{16}H_{19}ClN_2O$
▷Carbinoxamine, C-00052

$C_{16}H_{19}ClN_4O_2S$
▷Pirinixil, P-00333

$C_{16}H_{19}ClO_2$
▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225

$C_{16}H_{19}ClO_3$
▷Bucloxic acid, B-00341

$C_{16}H_{19}Cl_2NO$
▷Mitoclomine, M-00399

$C_{16}H_{19}FN_4O_3$
Amifloxacin, A-00195

$C_{16}H_{19}N$
4,4-Diphenyl-2-butylamine, D-00489
2,2′-Diphenyldiethylamine, D-00491
Lefetamine, *in* D-00492

$C_{16}H_{19}NO_2$
▷Medifoxamine, M-00056

$C_{16}H_{19}NO_2S$
Teniloxazine, T-00070

$C_{16}H_{19}NO_3$
N-Demethylgalanthamine, *in* G-00002
▷Prodolic acid, P-00461

$C_{16}H_{19}NO_4$
Norcocaine, *in* C-00523
Norhyoscine, *in* S-00031
Roletamide, R-00074

$C_{16}H_{19}N_3$
Aptazapine, A-00433

$C_{16}H_{19}N_3O_3$
Febrifugine, F-00023
Isofebrifugine, I-00186
Prazitone, P-00407

$C_{16}H_{19}N_3O_4S$
▷Ampicillin, A-00369
▷Cephradine, C-00180

$C_{16}H_{19}N_3O_5S$
▷Amoxycillin, A-00364
▷Cefroxadine, C-00149

$C_{16}H_{19}N_3O_7S_2$
Suncillin, S-00271

$C_{16}H_{19}N_3S$
▷Isothipendyl, I-00214
▷Prothipendyl, P-00536

$C_{16}H_{19}N_5O$
Pipofezine, P-00300

$C_{16}H_{19}N_5O_2$
Dimabefylline, D-00374

$C_{16}H_{19}N_5O_7$
9-Arabinofuranosyladenine; 2′,3′,5′-Tri-Ac, *in* A-00435

$C_{16}H_{19}N_7O_5$
Orotirelin, O-00062

$C_{16}H_{20}BrNO$
Quindonium bromide, *in* Q-00018

$C_{16}H_{20}ClNO_3$
Menadiol trimethylammonioacetate chloride, *in* D-00333

$C_{16}H_{20}ClNO_5S$
Serfibrate, S-00046

$C_{16}H_{20}ClN_3$
▷Halopyramine, H-00019

$C_{16}H_{20}ClN_3O_3S$
Tripamide, T-00522

$C_{16}H_{20}I_3N_3O_7$
Iotriside, I-00142

$C_{16}H_{20}NO^{\oplus}$
Quindonium(1+), Q-00018

$C_{16}H_{20}N_2$
▷Pheniramine, P-00157

$C_{16}H_{20}N_2O_2$
Perisoxal, P-00124

$C_{16}H_{20}N_2O_2S$
4,4′-Diaminodiphenyl sulfone; *N,N,N′,N′*-Tetra-Me, *in* D-00129
Tipindole, T-00313

$C_{16}H_{20}N_2O_3$
▷Morsuximide, M-00453

$C_{16}H_{20}N_2O_4$
Diarbarone, D-00145

$C_{16}H_{20}N_2O_4S_2$
Pyritinol, P-00590

$C_{16}H_{20}N_2O_5$
▷5-Ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *in* E-00218

$C_{16}H_{20}N_4O_2$
▷Azapropazone, A-00507

$C_{16}H_{20}N_4O_3S$
Torasemide, T-00386

$C_{16}H_{20}N_4O_5$
Mitomycin E, *in* P-00388
▷Porfiromycin, P-00388

$C_{16}H_{20}N_4O_6$
▷Diaziquone, D-00150

$C_{16}H_{20}O_2$
▷5-Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid, E-00205

$C_{16}H_{20}O_3$
▷1-Benzyl-2-oxocyclohexanepropionic acid, B-00123

$C_{16}H_{20}O_6P_2S_3$
▷Temephos, T-00061

$C_{16}H_{21}BrO_3$
Octanoic acid; 4-Bromophenacyl ester, *in* O-00014

$C_{16}H_{21}ClN_4$
Enpiprazole, E-00063
Mepiprazole, M-00099

$C_{16}H_{21}Cl_2N_3O_2$
▷Bendamustine, B-00044

$C_{16}H_{21}IN_2O_5$
Galtfenin, G-00008

$C_{16}H_{21}N$
Erythrinan, E-00113
Tazadolene, T-00038

$C_{16}H_{21}NO$
Morphinan-3-ol, M-00448

$C_{16}H_{21}NO_2$
▷Propranolol, P-00514
Troparil, T-00549

$C_{16}H_{21}NO_3$
Demethyldihydrogalanthamine, *in* G-00002
▷Homatropine, H-00082
N-Demethyllycoramine, *in* G-00002
Noratropine, *in* T-00554
Norhyoscyamine, *in* T-00554
O-Demethyllycoramine, *in* G-00002
Rolipram, R-00077

$C_{16}H_{21}NO_4$
▷Befunolol, B-00027

$C_{16}H_{21}NO_{10}$
2,3,4,5,6-Penta-*O*-acetyl-D-glucononitrile, *in* G-00055

$C_{16}H_{21}NS_2$
▷Diethylthiambutene, D-00258

$C_{16}H_{21}N_3$
▷Tripelennamine, T-00524

$C_{16}H_{21}N_3O_3S$
Ramixotidine, R-00009

$C_{16}H_{21}N_3O_4S$
▷Epicillin, E-00074

$C_{16}H_{21}N_3O_8S$
▷Cephalosporin *C*, C-00177

$C_{16}H_{21}N_5O_2$
Alizapride, A-00122

$C_{16}H_{21}N_7O_7S_3$
Cefminox, C-00133

$C_{16}H_{22}ClN$
Cloquinozine, C-00491

$C_{16}H_{22}ClNO_4$
▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456

$C_{16}H_{22}ClN_3O$
Cletoquine, C-00422
Zetidoline, Z-00010

$C_{16}H_{22}ClN_3O_2$
Mezacopride, *in* Z-00002
Renzapride, R-00023

$C_{16}H_{22}ClN_3O_4$
▷Plafibride, P-00369

$C_{16}H_{22}Cl_2N_2O$
Eclanamine, E-00007

$C_{16}H_{22}FNO$
Melperone, M-00083

$C_{16}H_{22}HgN_6O_7$
Meralluride, M-00112

$C_{16}H_{22}N_2O_2$
Isamoltan, I-00175

$C_{16}H_{22}N_2O_3$
Procaterol, P-00449

$C_{16}H_{22}N_2O_3S$
Glyhexamide, G-00074

$C_{16}H_{22}N_2O_4$
▷Inproquone, I-00075

$C_{16}H_{22}N_2O_5$
Butilfenin, B-00405
Etifenin, E-00235

$C_{16}H_{22}N_4$
Pirogliride, P-00345

$C_{16}H_{22}N_4O$
▷Thonzylamine, T-00218

$C_{16}H_{22}N_4O_3$
Tomelukast, T-00375

$C_{16}H_{22}N_4O_4$
▷Tetroxoprim, T-00158

$C_{16}H_{22}N_4O_4S$
Acetiamine, A-00020

$C_{16}H_{22}N_6O_4$
▷Thyroliberin, T-00229

$C_{16}H_{22}N_6O_7$
Teopranitol, T-00074

$C_{16}H_{22}O_2$
2-(3,7-Dimethyl-2,6-octadienyl)-1,4-benzenediol, D-00438
Mexoprofen, M-00354

$C_{16}H_{22}O_3$
Fencibutirol, F-00040
3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate, T-00507

$C_{16}H_{22}O_6$
3-(2,4,5-Triethoxybenzoyl)propanoic acid, T-00456

$C_{16}H_{22}O_{11}$
myo-Inositol; 1,2,3,4,6-Penta-Ac, *in* I-00074

$C_{16}H_{22}O_{12}$
Gluconic acid; 2,3,4,5,6-Penta-Ac, *in* G-00055

$C_{16}H_{23}BrN_2O_3$
Remoxipride, R-00021

$C_{16}H_{23}ClN_2O_2$
▷Alloclamide, A-00126

$C_{16}H_{23}IN_2O$
1-(Dimethylamino)ethyl-3-propanoyl-1*H*-indole; B,MeI, *in* D-00414

$C_{16}H_{23}I_3N_2O_8$
▷Meglumine acetrizoate, *in* A-00340

$C_{16}H_{23}N$
▷1-(1-Phenylcyclohexyl)pyrrolidine, P-00184

$C_{16}H_{23}NO$
Dezocine, D-00116
Inaperisone, I-00048
▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane, M-00203
Pyrovalerone, P-00592
▷Tolperisone, T-00364
Tolquinzole, T-00369

$C_{16}H_{23}NO_2$
▷Bufuralol, B-00352
1-(Cyclohexylamino)-2-propanol benzoate, *in* A-00318
▷Ethoheptazine, E-00157
Etoxadrol, E-00264
Idropranolol, I-00019
Metheptazine, *in* H-00050
Padimate O, *in* D-00405
Piperocaine, P-00292
Prodine, P-00460
Properidine, P-00498

$C_{16}H_{23}NO_3$
Pargolol, P-00036
Pranosal, P-00401
Pribecaine, P-00427

$C_{16}H_{23}NO_4$
Cinamolol, C-00354
Promolate, P-00480

$C_{16}H_{23}NO_6$
Capobenic acid, C-00030

$C_{16}H_{23}NO_{11}$
2,3,4,5,6-Pentaacetyl-D-gluconamide, *in* G-00055

$C_{16}H_{23}N_3O_3S$
Glidazamide, G-00039

$C_{16}H_{23}N_3O_4$
Gabexate, G-00001

$C_{16}H_{23}N_3O_4S$
Dibupyrone, D-00170

$C_{16}H_{23}N_3O_7S$
N-Acetylisopenicillin N, *in* P-00066

$C_{16}H_{24}HgO_3$
Acetomeroctol, A-00024

$C_{16}H_{24}INO_5$
Sinapine; Iodide, *in* S-00076

$C_{16}H_{24}NO_5^{\oplus}$
Sinapine, S-00076

$C_{16}H_{24}N_2$
Isoaminile, I-00177
▷Xylometazoline, X-00023

$C_{16}H_{24}N_2O$
▷Oxymetazoline, O-00153
Pincainide, P-00269
Ropinirole, R-00087

$C_{16}H_{24}N_2O_2$
Droxicainide, D-00614
▷Molindone, M-00423

$C_{16}H_{24}N_2O_3$
Carteolol, C-00102

$C_{16}H_{24}N_2O_3S$
N-Cyclooctyl-*N'*-(4-methylbenzenesulfonyl)urea, C-00626

$C_{16}H_{24}N_2O_4$
▷Bestatin, B-00138
Diacetolol, D-00118

$C_{16}H_{24}N_2O_5$
▷Tricetamide, T-00431

$C_{16}H_{24}N_2O_6$
Pirisudanol, P-00336

$C_{16}H_{24}N_4O_2$
Tracazolate, T-00393

$C_{16}H_{24}N_4O_3$
Denbufylline, D-00072

$C_{16}H_{24}O_2$
Inocoterone, I-00072

$C_{16}H_{24}O_5$
Exiproben, E-00280

$C_{16}H_{24}O_{10}$
myo-Inositol; 1,4-Di-Me, tetra-Ac, *in* I-00074

$C_{16}H_{25}GdN_4O_8$
Gadoteric acid, *in* T-00101

$C_{16}H_{25}NO$
Butidrine, B-00403
2-(Dipropylamino)-8-hydroxytetralin, *in* A-00335
▷Picenadol, P-00232

$C_{16}H_{25}NO_2$
Butethamate, B-00399
2-(1-Cyclopentenyl)-2-(2-morpholinoethyl)cyclopentanone, C-00628
2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol, D-00416

$C_{16}H_{25}NO_2S$
Tertatolol, T-00097

$C_{16}H_{25}NO_3$
▷Thymoxamine, T-00227

$C_{16}H_{25}NO_4$
Dioxadilol, D-00471
Esmolol, E-00123
Floredil, F-00123

$C_{16}H_{25}N_3O$
▷Propiram, P-00505

$C_{16}H_{25}N_3O_4S$
Prosulpride, P-00530

$C_{16}H_{25}N_3O_5$
Xamoterol, X-00001

$C_{16}H_{25}N_3O_5S$
Sulverapride, S-00266

$C_{16}H_{26}ClN_3O$
Clodacaine, C-00446

$C_{16}H_{26}N_2$
Pimetine, P-00258

$C_{16}H_{26}N_2O_2$
▷Dimethocaine, D-00394

$C_{16}H_{26}N_2O_3$
▷Propoxycaine, P-00511
Proxymetacaine, P-00550

$C_{16}H_{26}N_2O_4$
Cetamolol, C-00181
Pamatolol, P-00008

$C_{16}H_{26}N_2O_5S$
Cilastatin, C-00342

$C_{16}H_{26}N_4O_4$
Torbafylline, T-00387

$C_{16}H_{26}O_2$
4,8,12-Trimethyl-3,7,11-tridecatrienoic acid, T-00513

$C_{16}H_{27}HgNO_6S$
Mercaptomerin, M-00118

$C_{16}H_{27}IN_2O$
▷QX-314, *in* L-00047

$C_{16}H_{27}NO_3$
Amifloverine, A-00194

$C_{16}H_{27}NO_4$
Guafecainol, G-00090
Valperinol, V-00005

$C_{16}H_{27}NO_4S$
Pivopril, *in* C-00633

$C_{16}H_{28}N_2O_2$
▷Epipropidine, E-00082
Tromantadine, T-00545

$C_{16}H_{28}N_4O_8$
1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, T-00101

$C_{16}H_{30}O_3$
Octanoic acid; Anhydride, *in* O-00014

$C_{16}H_{31}IO_2$
16-Iodohexadecanoic acid, I-00105

$C_{16}H_{33}NO_2$
Delmopinol, D-00055

$C_{16}H_{33}N_5O_6$
3-*O*-Demethylfortimicin A, *in* F-00252

$C_{16}H_{34}Br_2N_2O_4$
Suxethonium bromide, *in* S-00282

$C_{16}H_{34}Cl_2N_2O_4$
Suxethonium chloride, *in* S-00282

$C_{16}H_{34}I_2N_2O_2$
▷Dicolinium iodide, *in* D-00215

$C_{16}H_{34}N_2O_2^{\oplus\oplus}$
Dicolinium(2+), D-00215

$C_{16}H_{34}N_2O_4$
Suxethonium(2+), S-00282

$C_{16}H_{35}N$
▷Hexadecylamine, H-00042

$C_{16}H_{36}NO^{\oplus}$
(2-Hydroxyethyl)tetradecylammonium(1+), H-00133

$C_{16}H_{38}Br_2N_2$
▷Decamethonium bromide, *in* D-00036

$C_{16}H_{38}Cl_2N_2O$
▷Oxydipentonium chloride, *in* O-00150

$C_{16}H_{38}I_2N_2$
▷Decamethonium iodide, *in* D-00036

$C_{16}H_{38}N_2^{\oplus\oplus}$
Decamethonium(2+), D-00036

$C_{16}H_{38}N_2O^{\oplus\oplus}$
Oxydipentonium(2+), O-00150

$C_{17}H_9Cl_3N_4O_2$
Diclazuril, D-00209

$C_{17}H_{10}Cl_2N_4O_2$
Clazuril, C-00413

$C_{17}H_{10}F_6N_2O_2S$
Tiflamizole, T-00264

$C_{17}H_{11}Br_2NO_2$
Broxaldine, *in* D-00166

$C_{17}H_{11}ClF_4N_2S$
▷Quazepam, Q-00004

$C_{17}H_{11}ClN_2O_2S$
Tilomisole, T-00276

$C_{17}H_{11}NO_6$
Aristolochic acid II methyl ester, *in* M-00252

$C_{17}H_{11}NO_7$
Aristolochic acid III, *in* H-00160
8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00200

$C_{17}H_{11}NO_8$
7-Hydroxy-8-methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00151

$C_{17}H_{12}BrFN_2O_3$
Ponalrestat, P-00387

$C_{17}H_{12}Br_2O_3$
▷Benzbromarone, B-00072

$C_{17}H_{12}ClFN_2O_2$
Pirazolac, P-00315

$C_{17}H_{12}ClF_3N_2O$
▷Halazepam, H-00003

$C_{17}H_{12}ClNO_2S$
▷Fentiazac, F-00079

$C_{17}H_{12}ClN_5O$
▷Intrazole, I-00087

$C_{17}H_{12}Cl_2N_4$
▷Triazolam, T-00425

$C_{17}H_{12}Cl_3NO_4S$
Enolicam, E-00059

$C_{17}H_{12}Cl_3N_3O$
Alteconazole, A-00155

$C_{17}H_{12}I_2O_3$
▷Benziodarone, B-00085

$C_{17}H_{12}O_4$
7-Hydroxyisoflavone; Ac, *in* H-00144
7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; Benzoyl, *in* H-00156
4-Oxo-2-phenyl-4*H*-1-benzopyran-8-acetic acid, O-00136

$C_{17}H_{12}O_5$
3,9-Dimethoxy-6-oxopterocarpen, *in* C-00558

$C_{17}H_{12}O_6$
Talosalate, T-00015

$C_{17}H_{12}O_8$
▷Ambicromil, A-00169
Nasutin B, *in* E-00026

$C_{17}H_{13}ClF_4N_2$
Fletazepam, F-00118

$C_{17}H_{13}ClN_2O_2$
Lonazolac, L-00085

$C_{17}H_{13}ClN_3O^{\oplus}$
Trazium(1+), T-00404

$C_{17}H_{13}ClN_4$
▷Alprazolam, A-00150

$C_{17}H_{13}ClN_4O$
8-Chloro-6-phenyl-4*H*-[1,2,4]triazolo[4,3-*a*][1,4]-benzodiazepine-1-methanol, *in* A-00150

$C_{17}H_{13}ClO_3$
Itanoxone, I-00220

$C_{17}H_{13}F_3N_2O_2$
▷Triflubazam, T-00460

$C_{17}H_{13}I_4NO_5$
Thyroxine; *N*-Ac, *in* T-00233

$C_{17}H_{13}NO_2$
6-Methyl-2-phenyl-4-quinolinecarboxylic acid, M-00295
2-Phenyl-4-quinolinecarboxylic acid; Me ester, *in* P-00206

$C_{17}H_{13}NO_3$
3-Hydroxy-4-phenyl-2(1*H*)-quinolinone; Ac, *in* H-00196
Napirimus, N-00046

$C_{17}H_{13}NO_4$
Zeflabetaine, *in* U-00009

$C_{17}H_{13}NS$
1,5-Dimethyl[1]benzothieno[2,3-*g*]isoquinoline, D-00425

$C_{17}H_{13}N_3O_5S_2$
▷Phthalylsulfathiazole, P-00227

$C_{17}H_{14}BrFN_2O_2$
▷Haloxazolam, H-00020

$C_{17}H_{14}ClFN_2O_3$
▷Doxefazepam, D-00593

$C_{17}H_{14}ClN_3O_2S$
Tiazuril, T-00247

$C_{17}H_{14}Cl_2N_2O_2$
▷Cloxazolam, C-00517

$C_{17}H_{14}F_3NO_5S$
Triflumidate, T-00461

$C_{17}H_{14}N_2$
▷Ellipticine, E-00027

$C_{17}H_{14}N_2O$
Ellipticine N^2-oxide, *in* E-00027
▷9-Hydroxyellipticine, *in* E-00027
12-Hydroxyellipticine, *in* E-00027

$C_{17}H_{14}N_2O_2$
9-Aminoacridine; *N*,*N*′-Di-Ac, *in* A-00205
3,4-Diphenyl-1*H*-pyrazole-5-acetic acid, D-00515
Oxapadol, O-00088

$C_{17}H_{14}N_2O_3$
Acrosoxacin, A-00051

$C_{17}H_{14}N_2S_2$
Fezatione, F-00099

$C_{17}H_{14}N_4O_5S_2$
Phthalylsulfamethizole, P-00226

$C_{17}H_{14}O_3$
▷Benzarone, B-00071
α-Methyl-3-phenyl-7-benzofuranacetic acid, M-00286
▷Xylocoumarol, X-00022

$C_{17}H_{14}O_4$
6,8-Dimethoxyflavone, *in* D-00326
Oxindanac, O-00116

$C_{17}H_{14}O_5$
2,4-Dihydroxybenzophenone; Di-Ac, *in* D-00318
7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, I-00201

$C_{17}H_{14}O_7$
3′,4′,7-Trihydroxy-3,5-dimethoxyflavone, *in* P-00082

$C_{17}H_{15}ClN_2O$
Ciclazindol, C-00326

$C_{17}H_{15}ClN_4S$
▷Etizolam, E-00244

$C_{17}H_{15}ClO_4$
▷Fenofibric acid, F-00062

$C_{17}H_{15}Cl_3N_2O_2$
Triclodazol, T-00449

$C_{17}H_{15}F_5O_2$
4,4′-[1-Methyl-2-(2,2,2-trifluoroethyl)]-1,2-ethanediylbis[2-fluorophenol], *in* T-00089

$C_{17}H_{15}I_4NO_4$
Thyroxine; Me ester, Me ether, *in* T-00233

$C_{17}H_{15}NO_2$
Inicarone, I-00071

$C_{17}H_{15}NO_3$
▷Indoprofen, I-00068

$C_{17}H_{15}NO_5$
▷Benorylate, B-00057

$C_{17}H_{15}N_3O_4$
Motrazepam, M-00455

$C_{17}H_{15}N_3O_6$
Balsalazide, B-00008

$C_{17}H_{16}ClFN_2O_2$
Progabide, P-00465

$C_{17}H_{16}ClNO_4$
▷Meglitinide, M-00071

$C_{17}H_{16}ClNO_5$
Zomepirac glycolate, *in* Z-00035

$C_{17}H_{16}ClN_3O$
▷Amoxapine, A-00362

$C_{17}H_{16}ClN_3O_2$
Carburazepam, C-00069

$C_{17}H_{16}Cl_2N_2O$
Tuclazepam, T-00573

$C_{17}H_{16}Cl_2N_2O_3$
Parconazole, P-00033

$C_{17}H_{16}Cl_2N_2O_5$
Clefamide, C-00415

$C_{17}H_{16}FNOS$
Fluradoline, F-00214

$C_{17}H_{16}F_6N_2O$
Mefloquine, M-00068

$C_{17}H_{16}NO_2PS$
▷Quintiofos, Q-00034

$C_{17}H_{16}N_2O$
▷Etaqualone, E-00140
Nictindole, N-00107
Tryptamine; N^b-Benzoyl, *in* T-00566

$C_{17}H_{16}N_2OS$
Bentazepam, B-00066

$C_{17}H_{16}N_2O_2$
▷Xinidamine, X-00016

$C_{17}H_{16}N_2O_7S_2$
Sulosemide, S-00233

$C_{17}H_{16}N_2S$
4-Phenyl-2-[(2-phenylethyl)amino]thiazole, P-00195

$C_{17}H_{16}N_4O_2$
▷Nifenazone, N-00112

$C_{17}H_{16}N_4S_2$
Tenilapine, T-00069

$C_{17}H_{16}O$
4-[1,1′-Biphenyl-4-yl]-3-penten-2-one, B-00182

$C_{17}H_{16}O_3$
1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one; Di-Me ether, *in* D-00347

Metbufen, M-00157

$C_{17}H_{16}O_6$
Byakangelicol, B-00436
Nanaomycin αA, *in* N-00036

$C_{17}H_{17}ClN_2O$
▷Etifoxine, E-00236

$C_{17}H_{17}ClN_6O_3$
▷Zopiclone, Z-00037

$C_{17}H_{17}ClO_3$
Clobuzarit, C-00439

$C_{17}H_{17}ClO_4$
Fenirofibrate, F-00055

$C_{17}H_{17}ClO_6$
▷Griseofulvin, G-00087

$C_{17}H_{17}Cl_2N$
Sertraline, S-00052

$C_{17}H_{17}Cl_2NO$
Diclofensine, D-00211
Fengabine, F-00052

$C_{17}H_{17}Cl_2NO_3$
▷Terofenamate, *in* M-00045

$C_{17}H_{17}F_3N_6O_2$
Imanixil, I-00024

$C_{17}H_{17}F_3O_2$
Terfluranol, T-00089

$C_{17}H_{17}N$
▷Azapetine, A-00504

$C_{17}H_{17}NO_2$
▷Apomorphine, A-00425
Etazepine, E-00142
Memotine, M-00085

$C_{17}H_{17}NO_3$
1-Amino-2-propanol; *O,N*-Dibenzoyl, *in* A-00318

$C_{17}H_{17}NO_3S$
Protizinic acid, P-00539

$C_{17}H_{17}NO_4$
3-Amino-1,2-propanediol; *O,O*-Dibenzoyl, *in* A-00317
N-(4-Ethoxyphenyl)-2-hydroxybenzamide; *O*-Ac, *in* E-00170

$C_{17}H_{17}NO_5$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; 3-Me ether, *N*-benzoyl, *in* A-00248

$C_{17}H_{17}NS$
Damotepine, D-00009
Tisoquone, T-00325

$C_{17}H_{17}N_3O$
Tryptophan; Anilide, *in* T-00567

$C_{17}H_{17}N_3O_3S$
Picoprazole, P-00240

$C_{17}H_{17}N_3O_6S_2$
▷Cefapirin, C-00115

$C_{17}H_{17}N_3O_8S$
Cefuracetime, C-00160

$C_{17}H_{17}N_7O_8S_4$
▷Cefotetan, C-00139

$C_{17}H_{18}Br_2N_4O_2$
Dibrompropamidine, D-00168

$C_{17}H_{18}ClNO_4$
Pirifibrate, P-00328

$C_{17}H_{18}ClNO_6$
Quincarbate, Q-00016

$C_{17}H_{18}ClN_3$
Lergotrile, L-00026

$C_{17}H_{18}ClN_3O$
Bumetrizole, B-00357
Clobenzepam, C-00434

$C_{17}H_{18}ClN_3S$
Tilozepine, T-00278

$C_{17}H_{18}Cl_2N_2O_5S$
Clometocillin, C-00470

$C_{17}H_{18}FN_3O_3$
Ciprofloxacin, C-00390

$C_{17}H_{18}FN_3O_3S$
Rufloxacin, R-00104

$C_{17}H_{18}FN_3S$
Timelotem, T-00283

$C_{17}H_{18}F_2O_2$
Bifluranol, B-00163

$C_{17}H_{18}F_3NO$
Fluoxetine, F-00194

$C_{17}H_{18}F_3N_3O_3$
Fleroxacin, F-00116

$C_{17}H_{18}N_2$
▷Amfetaminil, A-00183
Dazepinil, D-00023

$C_{17}H_{18}N_2O$
5-Hydroxytryptamine; Benzyl ether, *in* H-00218

$C_{17}H_{18}N_2O_3$
Diphoxazide, D-00516

$C_{17}H_{18}N_2O_5S$
▷Piretanide, P-00323

$C_{17}H_{18}N_2O_6$
▷Nifedipine, N-00110

$C_{17}H_{18}N_2O_6S$
Carbenicillin, C-00045

$C_{17}H_{18}N_2S_2$
Sulbentine, S-00183

$C_{17}H_{18}N_4O_3S$
Viroximine, V-00056

$C_{17}H_{18}O_4$
Procromil, P-00454

$C_{17}H_{18}O_6$
Dechlorogriseofulvin, *in* G-00087
3,3′,4′,5,7-Pentahydroxyflavan; $O^{3'}$,$O^{4'}$-Di-Me, *in* P-00081
3,3′,4′,5,7-Pentahydroxyflavan; $O^{3'}$,O^{5}-Di-Me, *in* P-00081
3,3′,5-Trihydroxy-4′,7-dihydroxyflavan, *in* P-00081

$C_{17}H_{18}O_7$
Byakangelicin, B-00435

$C_{17}H_{19}ClN_2S$
▷Chlorpromazine, C-00298

$C_{17}H_{19}ClN_4$
Lorcinadol, L-00095

$C_{17}H_{19}ClO_4$
Strobilurin B, *in* M-00469

$C_{17}H_{19}FN_4S$
Flumezapine, F-00161

$C_{17}H_{19}F_2N_3O_3$
Lomefloxacin, L-00078

$C_{17}H_{19}N$
▷Dimefadane, *in* P-00191
2-(Diphenylmethylene)butylamine, D-00497
4,4-Diphenylpiperidine, D-00503
Tametraline, T-00021

$C_{17}H_{19}NO$
▷Nefopam, N-00063

$C_{17}H_{19}NO_2S$
Cysteine; *S*-Benzyl, benzyl ester; B.HCl, *in* C-00654

$C_{17}H_{19}NO_3$
▷Hydromorphone, H-00102

▷Morphine, M-00449
▷Norcodeine, *in* N-00222

$C_{17}H_{19}NO_4$
Morphine N-oxide, *in* M-00449
N-Formylnorgalanthamine, *in* G-00002
Oxymorphone, O-00155

$C_{17}H_{19}NO_5$
Piplartine, P-00298

$C_{17}H_{19}N_3$
▷Antazoline, A-00400
Delergotrile, D-00052

$C_{17}H_{19}N_3O$
▷Phentolamine, P-00175
Piberaline, P-00229
1-[2-(4-Pyridinylamino)benzoyl]piperidine, P-00575

$C_{17}H_{19}N_3O_2S$
Ufiprazole, U-00003

$C_{17}H_{19}N_3O_3S$
Omeprazole, O-00044

$C_{17}H_{19}N_3O_4S$
Metampicillin, M-00150

$C_{17}H_{19}N_5O$
Bazinaprine, B-00019

$C_{17}H_{19}N_5O_2$
Piritrexim, P-00338

$C_{17}H_{19}O_3$
5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol; Benzoyl, *in* H-00162

$C_{17}H_{20}BrNO$
Bromodiphenhydramine, B-00299

$C_{17}H_{20}ClNO$
▷Chlophedianol, C-00191
Clemeprol, C-00417

$C_{17}H_{20}FN_3O_3$
Pefloxacin, *in* N-00214

$C_{17}H_{20}F_6N_2O_3$
Flecainide, F-00114

$C_{17}H_{20}I_3N_3O_4$
Iomorinic acid, I-00123

$C_{17}H_{20}NO_6P$
Ethyl 2-amino-3-[(diphenoxyphosphinyl)oxy]propanoate, *in* P-00220

$C_{17}H_{20}N_2O$
Vindeburnol, V-00038

$C_{17}H_{20}N_2O_2$
Tropicamide, T-00552

$C_{17}H_{20}N_2O_2S$
▷*N*,*N*′-Bis(4-ethoxyphenyl)thiourea, *in* B-00222
▷Prothanon, *in* P-00478
▷Tinoridine, T-00296

$C_{17}H_{20}N_2O_3$
N,*N*′-Bis(3-methoxybenzyl)urea, B-00226

$C_{17}H_{20}N_2O_3S$
Tosifen, T-00389

$C_{17}H_{20}N_2O_5S$
▷Bumetanide, B-00356
Phenethicillin, P-00152

$C_{17}H_{20}N_2O_6S$
Methicillin, M-00180

$C_{17}H_{20}N_2S$
▷Promazine, P-00475
▷Promethazine, P-00478
Tienopramine, T-00261

$C_{17}H_{20}N_3O_5$
5-Butyl-5-ethylbarbituric acid; B,HNO_3, *in* B-00430

$C_{17}H_{20}N_4O$
Propizepine, P-00508

$C_{17}H_{20}N_4O_2$
Propamidine, P-00487

$C_{17}H_{20}N_4O_6$
▷Riboflavine, R-00038

$C_{17}H_{20}N_4O_6S_2$
Cefsumide, C-00151

$C_{17}H_{20}N_6$
Baquiloprim, B-00012

$C_{17}H_{20}O$
α-Ethyl-2,5-dimethyl-α-phenylbenzyl alcohol, E-00183

$C_{17}H_{20}O_3$
Bunaprolast, B-00360

$C_{17}H_{20}O_4$
4′-Methoxymucidin, *in* M-00469

$C_{17}H_{20}O_5$
Angustibalin, *in* H-00024

$C_{17}H_{20}O_6$
▷Mycophenolic acid, M-00475

$C_{17}H_{21}FN_4O_3$
Enoxacin; Et ester, *in* E-00060

$C_{17}H_{21}N$
N-Benzyl-*N*,α-dimethylphenethylamine, B-00115
Demelverine, *in* D-00491

$C_{17}H_{21}NO$
▷Diphenhydramine, D-00484
Oxifentorex, O-00112
▷Phenyltoloxamine, P-00210
Tofenacin, T-00339
Tomoxetine, T-00377

$C_{17}H_{21}NO_2$
Amoxydramine, *in* D-00484
▷Desomorphine, D-00100
Nisoxetine, N-00160

$C_{17}H_{21}NO_3$
▷Dihydromorphine, D-00294
Etodolac, E-00245
Galanthamine, G-00002
Ritodrine, R-00067

$C_{17}H_{21}NO_4$
Cocaine, C-00523
▷Fenoterol, F-00064
Hydromorphinol, H-00101
Pseudococaine, *in* C-00523
▷Scopolamine, S-00031

$C_{17}H_{21}NO_5$
Hyoscine N-oxide 1, *in* S-00031
Proquinolate, P-00523

$C_{17}H_{21}N_3O_2$
Nicogrelate, N-00099

$C_{17}H_{21}N_3O_4$
Trimetamide, T-00496

$C_{17}H_{21}N_5O$
Noberastine, N-00194

$C_{17}H_{21}N_5O_5$
▷Theodrenaline, T-00167

$C_{17}H_{22}BrNO$
Bephenium(1+); Bromide, *in* B-00132

$C_{17}H_{22}BrNOS_2$
▷Timepidium bromide, *in* T-00284

$C_{17}H_{22}Br_2N_6$
▷4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+); Dibromide, *in* A-00207

$C_{17}H_{22}ClNO$
Bephenium(1+); Chloride, *in* B-00132

$C_{17}H_{22}Cl_2N_6$
▷Pyraldin, *in* A-00207

$C_{17}H_{22}I_2N_6$
4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+); Diiodide, *in* A-00207

$C_{17}H_{22}I_3N_3O_8$
Iomeprol, I-00121
▷Iopamidol, I-00124

$C_{17}H_{22}NO^{\oplus}$
Bephenium(1+), B-00132

$C_{17}H_{22}NOS_2^{\oplus}$
Timepidium(1+), T-00284

$C_{17}H_{22}N_2$
▷Antergan, A-00402
▷Bucricaine, *in* A-00333
Metrafazoline, M-00339

$C_{17}H_{22}N_2O$
▷Doxylamine, D-00598

$C_{17}H_{22}N_2O_2$
▷Fenpipalone, F-00069
Naphthocaine, *in* A-00292

$C_{17}H_{22}N_2O_3$
7-(Diethylamino)-4-hydroxy-6-propyl-3-quinolinecarboxylic acid, D-00238

$C_{17}H_{22}N_2S$
▷Thenalidine, T-00163

$C_{17}H_{22}N_4O$
Minaprine, M-00381

$C_{17}H_{22}N_4O_2$
Moxiraprine, M-00466

$C_{17}H_{22}N_6^{\oplus\oplus}$
4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+), A-00207

$C_{17}H_{22}N_6O_6$
3′-Amino-3′-deoxyadenosine; 3′*N*-Ac, 3′*N*-Me, 2′,5′-di-Ac, *in* A-00234

$C_{17}H_{22}O_3$
▷3-Ethyl-4-(4-methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid, E-00200

$C_{17}H_{22}O_4$
Epitulipinolide, *in* H-00134
Tulipinolide, *in* H-00134

$C_{17}H_{22}O_5$
2α-Acetoxyeupatolide, *in* H-00134
11β,13-Epoxyepitulipinolide, *in* H-00134

$C_{17}H_{23}ClN_2O_2$
Bisaramil, B-00192

$C_{17}H_{23}ClO_4$
Etomoxir, E-00259

$C_{17}H_{23}Cl_2NO$
Cilobamine, C-00344

$C_{17}H_{23}FN_2O$
Azabuperone, A-00492

$C_{17}H_{23}F_3N_2O_2$
▷Flualamide, F-00129

$C_{17}H_{23}NO$
3-Hydroxy-*N*-methylmorphinan, H-00166
Morphinan-3-ol; *N*-Me, *in* M-00448
Pirandamine, P-00313

$C_{17}H_{23}NO_2$
Tilidate, T-00273
Tropanserin, T-00547

$C_{17}H_{23}NO_3$
Lycoramine, *in* G-00002
Rotraxate, R-00096
Tropine tropate, T-00554

$C_{17}H_{23}NO_4$
Aminoxytropine tropate, *in* T-00554
▷Bucumolol, B-00343
Cetraxate, C-00187
Hyoscyamine N-oxide 1, *in* T-00554
Hyoscyamine *N*-oxide 2, *in* T-00554

$C_{17}H_{23}N_3O$
▷Mepyramine, M-00108
Piperylone, P-00296

$C_{17}H_{23}N_3O_4$
Primidolol, P-00435

$C_{17}H_{23}N_5O_2$
Quinazosin, Q-00014

$C_{17}H_{23}N_7O_8$
▷Azotomycin, A-00531

$C_{17}H_{24}ClN_3O$
Clamoxyquin, C-00407

$C_{17}H_{24}ClN_3S$
Dazolicine, D-00026

$C_{17}H_{24}N_2O$
Dimethisoquin, D-00392

$C_{17}H_{24}N_2O_2$
▷Phenglutarimide, P-00155

$C_{17}H_{24}N_2O_3$
Carperidine, C-00092
Etacepride, E-00132
Tilisolol, T-00274

$C_{17}H_{24}N_4$
Tolpiprazole, T-00365

$C_{17}H_{24}N_4O_2S$
Disulergine, D-00541

$C_{17}H_{24}N_4O_3$
Doreptide, D-00584

$C_{17}H_{24}N_6O_4S$
Montirelin, M-00431

$C_{17}H_{24}O_2$
1,9-Heptadecadiene-4,6-diyne-3,8-diol, H-00028

$C_{17}H_{24}O_3$
▷Cyclandelate, C-00586

$C_{17}H_{24}O_6$
Anguidol; 4-Ac, *in* A-00386
11β,13-Dihydroxyepitulipinolide, *in* H-00134
Monoacetoxyscirpenol, *in* A-00386

$C_{17}H_{24}O_{12}$
Methyl 2,3,4,5,6-penta-*O*-acetyl-D-gluconate, *in* G-00055

$C_{17}H_{25}ClN_2O_3$
Eticlopride, E-00233

$C_{17}H_{25}N$
▷1-(1-Phenylcyclohexyl)piperidine, P-00183

$C_{17}H_{25}NO$
▷Eperisone, E-00072
Vesamicol, V-00025

$C_{17}H_{25}NO_2$
Meprodine, M-00105
Methethoheptazine, *in* H-00048
▷3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone, P-00289
Proheptazine, P-00469
▷Trimeperidine, T-00494

$C_{17}H_{25}NO_3$
Bunolol, B-00365
Cyclizidine, C-00594
Cyclopentolate, C-00631
Eucatropine, E-00267
▷Variotin, V-00012

$C_{17}H_{25}NO_4$
Ibopamine, I-00005
4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, P-00598

▷Trocimine, T-00544

$C_{17}H_{25}NO_7$
Emiglitate, E-00038

$C_{17}H_{25}N_3O$
Proxazole, P-00545

$C_{17}H_{25}N_3O_4S$
Cipropride, C-00391

$C_{17}H_{25}N_3O_5S$
Meropenem, M-00128
Veralipride, V-00018

$C_{17}H_{25}N_5O_2$
Prizidilol, P-00441

$C_{17}H_{26}ClN$
Sibutramine, S-00065

$C_{17}H_{26}FNO_2$
Zafuleptine, Z-00003

$C_{17}H_{26}FNO_3$
Butofilolol, B-00412

$C_{17}H_{26}FNO_4$
Flumalol, F-00151

$C_{17}H_{26}N_2O$
▷Phenampromide, P-00143
Ropivacaine, R-00089

$C_{17}H_{26}N_2O_2$
▷Paridocaine, P-00038

$C_{17}H_{26}N_2O_3$
Dibusadol, *in* H-00112
Roxatidine, R-00097
Soquinolol, S-00103

$C_{17}H_{26}N_2O_4S$
▷Sultopride, S-00264

$C_{17}H_{26}N_4O$
1-(2-Ethoxyethyl)-2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-1*H*-benzimidazole, E-00165
1-(2-Ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)-benzimidazole, E-00166

$C_{17}H_{26}N_4O_2$
Dalbraminol, D-00005
1-(2-Ethoxyethyl)-2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-1*H*-benzimidazole; *N*-Oxide; dipicrate, *in* E-00165

$C_{17}H_{26}N_4O_3S_2$
▷Fursultiamine, F-00299

$C_{17}H_{26}N_4O_4S$
Alpiropride, A-00149

$C_{17}H_{26}N_4S_2$
Peratizole, P-00115

$C_{17}H_{26}O_4$
▷Cineromycin B, *in* A-00099
▷2,5-Dihydroxy-3-undecyl-1,4-benzoquinone, D-00356

$C_{17}H_{27}N$
Gamfexine, G-00009

$C_{17}H_{27}NO$
Amixetrine, A-00350
1-(2-Dimethylamino-1-methylethyl)-2-phenylcyclohexanol, D-00415

$C_{17}H_{27}NO_2$
1,2,2,6,6-Pentamethylpiperidine; *p*-Toluenesulphonyl, *in* P-00085
Venlafaxine, V-00015

$C_{17}H_{27}NO_3$
Embutramide, E-00034
Nonivamide, N-00205
▷Pramoxine, P-00398

$C_{17}H_{27}NO_3S$
Penthienate, P-00095

$C_{17}H_{27}NO_4$
▷Metipranolol, M-00322
▷Nadolol, N-00006

$C_{17}H_{27}NO_6$
Acetylindicine, *in* I-00057

$C_{17}H_{27}N_3O_4S$
Amisulpride, A-00347

$C_{17}H_{28}ClO_5P$
Fosarilate, *in* C-00254

$C_{17}H_{28}Cl_2NO^{\oplus}$
Chlorphenoctium(1+), C-00293

$C_{17}H_{28}N_2O$
▷Etidocaine, E-00234

$C_{17}H_{28}N_2O_2$
▷Ambucetamide, A-00173
Endomide, E-00048
▷Farmocaine, *in* A-00216
▷Leucinocaine, L-00030

$C_{17}H_{28}N_2O_3$
▷Ambucaine, A-00172
▷Metabutoxycaine, M-00144
Oxybuprocaine, O-00146

$C_{17}H_{28}N_2O_5$
Perindoprilat, P-00123

$C_{17}H_{28}N_4O$
Piperamide, P-00284

$C_{17}H_{28}N_4O_4$
Posatirelin, P-00389

$C_{17}H_{29}N$
Trimexiline, T-00515

$C_{17}H_{29}N_3O_2$
Amoxecaine, A-00363

$C_{17}H_{30}N_2O_5$
Aloxistatin, *in* M-00266

$C_{17}H_{30}N_2O_7$
Trospectomycin, T-00557

$C_{17}H_{30}N_4O_7P_2S_2$
Imcarbofos, I-00027

$C_{17}H_{31}ClN_2O_5S$
Clindamycin *B*, *in* C-00428
Pirlimycin, P-00339

$C_{17}H_{31}NO$
▷Myrtecaine, M-00478

$C_{17}H_{32}BrNO_2$
▷Octatropine methylbromide, O-00018

$C_{17}H_{32}N_2O_7$
1-Demethylthio-1-hydroxylincomycin, *in* L-00051

$C_{17}H_{32}O_3$
2-Tetradecyloxiranecarboxylic acid, T-00110

$C_{17}H_{34}N_4O_7$
Ribostamycin; 3′,4′,5″-Trideoxy, *in* R-00040

$C_{17}H_{34}N_4O_8$
3′,4′-Dideoxyribostamycin, *in* R-00040

$C_{17}H_{34}N_4O_{10}$
▷Ribostamycin, R-00040

$C_{17}H_{34}N_4O_{11}$
2-Hydroxyribostamycin, *in* R-00040
2-Hydroxy-*myo*-ribostamycin, *in* R-00040

$C_{17}H_{34}O_{10}P_2$
Diethyl[bis(diethoxyphosphinyl)methyl]butanedioate, *in* B-00397

$C_{17}H_{35}N_5O_6$
▷Fortimicin *A*, F-00252

$C_{17}H_{36}GeN_2$
Spirogermanium, S-00123

$C_{17}H_{36}I_2N_2$
Camphonium, *in* T-00499

$C_{17}H_{36}N_2^{\oplus\oplus}$
Trimethidinium(2+), T-00499

$C_{17}H_{37}N_7O_3$
15-Deoxyspergualin, *in* S-00112

$C_{17}H_{37}N_7O_4$
Spergualin, S-00112

$C_{17}H_{38}BrN$
▷Tetradonium bromide, *in* T-00512

$C_{17}H_{38}N^{\oplus}$
Trimethyltetradecylammonium(1+), T-00512

$C_{18}H_{10}I_6N_2O_7$
Ioglycamic acid, I-00115

$C_{18}H_{12}ClN_3$
3-Chloro-1-(1*H*-imidazol-1-yl)-4-phenylisoquinoline, C-00251

$C_{18}H_{12}CuN_2O_{14}S_4$
Bis(8-hydroxy-5,7-quinolinedisulfonato(3−)-N^1,O^8-cuprate, B-00223

$C_{18}H_{12}N_2O_2$
▷Xanthocillin *X*, X-00005

$C_{18}H_{12}N_2O_3$
▷Xanthocillin Y_1, *in* X-00005

$C_{18}H_{12}N_2O_4$
▷Xanthocillin Y_2, *in* X-00005

$C_{18}H_{12}O_4$
5-Hydroxy-2-methyl-1,4-naphthoquinone; Benzoyl, *in* H-00167

$C_{18}H_{12}O_6$
▷1,8-Dihydroxyanthraquinone; Di-Ac, *in* D-00308

$C_{18}H_{12}O_7$
Tartaric acid; Anhydride, dibenzoyl, *in* T-00028

$C_{18}H_{13}ClFN_3$
Midazolam, M-00368

$C_{18}H_{13}ClFN_3OS$
Irazepine, I-00169

$C_{18}H_{13}ClFN_3O_2$
▷Cinolazepam, C-00375

$C_{18}H_{13}ClN_2O$
▷Pinazepam, P-00268

$C_{18}H_{13}Cl_2NO_3S$
Tioxaprofen, T-00308

$C_{18}H_{13}Cl_2N_3$
Climazolam, C-00426

$C_{18}H_{13}Cl_2N_3O_2$
Reclazepam, R-00020

$C_{18}H_{13}Cl_3N_2$
Aliconazole, A-00117

$C_{18}H_{13}Cl_4N_3O$
Oxiconazole, O-00111

$C_{18}H_{13}NO_7$
Methyl aristolochate, *in* M-00200

$C_{18}H_{13}N_3O$
Rutaecarpine, R-00105

$C_{18}H_{14}ClFN_2O_3$
Ethyl loflazepate, E-00197

$C_{18}H_{14}Cl_2N_2O_3$
Ethyl dirazepate, E-00185

$C_{18}H_{14}Cl_2O_4$
Indacrinone, I-00049

$C_{18}H_{14}Cl_4N_2O$
Isoconazole, I-00183
▷Miconazole, M-00363

$C_{18}H_{14}F_3NO_2S$
Itazigrel, I-00221

$C_{18}H_{14}F_3N_3O_4S$
Toltrazuril, T-00371

$C_{18}H_{14}FeO_3$
2-Ferrocenoylbenzoic acid, F-00090

$C_{18}H_{14}N_4O_5S$
▷Sulphasalazine, S-00253

$C_{18}H_{14}O_4S$
Tifurac, T-00267

$C_{18}H_{14}O_5$
1,8-Dihydroxyanthrone; Di-Ac, *in* D-00310

$C_{18}H_{14}O_5S$
Tifurac; Sulfoxide, *in* T-00267

$C_{18}H_{14}O_6$
Cinfenoac, C-00365
5,7-Dihydroxy-4′-methoxyisoflavone; 7-Ac, *in* D-00330

$C_{18}H_{14}O_6S$
Tifurac; Sulfone, *in* T-00267

$C_{18}H_{14}O_8$
2,3-Di-*O*-benzoyltartaric acid, *in* T-00028

$C_{18}H_{15}ClN_2O$
Croconazole, C-00562

$C_{18}H_{15}ClN_2O_3$
Benzotript, *in* T-00567

$C_{18}H_{15}Cl_2N_3O$
Uldazepam, U-00004

$C_{18}H_{15}Cl_2N_5O_5S_3$
Cefazedone, C-00119

$C_{18}H_{15}Cl_3N_2O$
▷Econazole, E-00009
Orconazole, O-00054

$C_{18}H_{15}Cl_3N_2S$
Sulconazole, S-00184

$C_{18}H_{15}F_3N_2O_2$
4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, B-00229

$C_{18}H_{15}NO_2$
Bis(4-hydroxyphenyl)(2-pyridyl)methane, B-00221
▷Etocrilene, *in* C-00582
6-Methyl-2-phenyl-4-quinolinecarboxylic acid; Me ester, *in* M-00295
2-Phenyl-4-quinolinecarboxylic acid; Et ester, *in* P-00206

$C_{18}H_{15}NO_3$
1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
▷4,5-Diphenyl-2-oxazolepropanoic acid, D-00500

$C_{18}H_{15}NO_8S_2$
Bis(4-hydroxyphenyl)(2-pyridyl)methane; Bis(hydrogen sulfate) ester, *in* B-00221

$C_{18}H_{15}N_5O_6S$
Salazodine, S-00008

$C_{18}H_{16}ClFN_2O_3$
Proflazepam, P-00464

$C_{18}H_{16}Cl_2N_2O_2$
▷Mexazolam, M-00350

$C_{18}H_{16}Cl_2O_4$
Ponfibrate, *in* D-00192

$C_{18}H_{16}FN_3O_4$
Etibendazole, E-00232

$C_{18}H_{16}N_2O$
▷9-Methoxyellipticine, M-00198

$C_{18}H_{16}N_2O_3$
Amfonelic acid, A-00185
Roquinimex, R-00091
Tryptophan; *N*-Benzoyl, *in* T-00567

$C_{18}H_{16}N_2O_4$
Niometacin, N-00152

$C_{18}H_{16}N_2O_6$
Bufrolin, B-00351
Minocromil, M-00386

$C_{18}H_{16}N_4O_5$
Phenacizol, P-00136

$C_{18}H_{16}N_4O_6S$
Quinacillin, Q-00009

$C_{18}H_{16}O_3$
7-Isopropoxyisoflavone, *in* H-00144
Phenprocoumon, P-00174

$C_{18}H_{16}O_4$
▷Bermoprofen, B-00136
Butantrone, B-00393

$C_{18}H_{16}O_7$
3′,5-Dihydroxy-4′,6,7-trimethoxyflavone, D-00354
5,7-Dihydroxy-3′,4′,6-trimethoxyflavone, D-00355

$C_{18}H_{17}ClN_2O$
▷Clazolam, C-00411

$C_{18}H_{17}ClN_2O_2$
▷Oxazolam, O-00098

$C_{18}H_{17}ClN_2O_3$
Arfendazam, A-00439

$C_{18}H_{17}ClO_2$
Lomevactone, L-00080

$C_{18}H_{17}Cl_2N_3O_3$
▷Lorzafone, L-00100

$C_{18}H_{17}FN_2O$
Fluproquazone, F-00211

$C_{18}H_{17}F_3N_2O_3$
Ridogrel, R-00043

$C_{18}H_{17}IN_2$
Ellipticine; N^2-Me, iodide, *in* E-00027

$C_{18}H_{17}I_4NO_4$
Etiroxate, E-00241

$C_{18}H_{17}NO_3$
3-Acetyl-5-hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indole, A-00034
▷Indobufen, I-00060
Oxyphemedol, *in* H-00173

$C_{18}H_{17}NO_3S_2$
Tazasubrate, T-00040

$C_{18}H_{17}NO_5$
▷Tranilast, T-00397

$C_{18}H_{17}NO_8P_2$
Picofosforic acid, *in* B-00221

$C_{18}H_{17}N_2^{\oplus}$
N-Methylellipticine, *in* E-00027

$C_{18}H_{17}N_2O^{\oplus}$
▷Elliptinium(1+), E-00028

$C_{18}H_{17}N_3O$
▷2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]triazolo[5,1-*a*]-isoquinoline, E-00169

$C_{18}H_{17}N_3O_2$
5,6-Bis(4-methoxyphenyl)-3-methyl-1,2,4-triazine, B-00228

$C_{18}H_{17}N_3O_3$
N-Antipyrinylsalicylamide, A-00416
Ellipticine; N^2-Me, nitrate, *in* E-00027

$C_{18}H_{17}N_3O_4$
Pinafide, P-00266

$C_{18}H_{17}N_7O_6$
Pteroylaspartic acid, P-00553

$C_{18}H_{18}As_2N_2O_6$
Soluarsphenamine, S-00095

$C_{18}H_{18}BrClN_2O$
Metaclazepam, M-00145

$C_{18}H_{18}ClNOS$
2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene, C-00233
Zotepine, Z-00039

$C_{18}H_{18}ClNO_4$
▷Clanobutin, C-00409

$C_{18}H_{18}ClNO_5$
Etofibrate, E-00250

$C_{18}H_{18}ClNS$
▷Chlorprothixene, C-00300

$C_{18}H_{18}ClN_2O_2P$
Fosazepam, F-00253

$C_{18}H_{18}ClN_3O$
▷Loxapine, L-00106

$C_{18}H_{18}ClN_3O_2S_2$
Metibride, M-00318

$C_{18}H_{18}ClN_3S$
▷Clothiapine, C-00507

$C_{18}H_{18}Cl_2N_2O_2$
Tolgabide, T-00350

$C_{18}H_{18}F_3NO_2$
▷Ufenamate, U-00002

$C_{18}H_{18}F_3NO_4$
▷Etofenamate, E-00248

$C_{18}H_{18}N_2$
▷1-Benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole, B-00130
Cibenzoline, C-00322

$C_{18}H_{18}N_2O$
Azanator, A-00501
Demexiptiline, D-00067
1,2-Dihydro-9-methoxyellipticine, *in* M-00198
Mariptiline, M-00024
▷Proquazone, P-00522

$C_{18}H_{18}N_2O_2$
Tryptophan; Benzyl ester, *in* T-00567

$C_{18}H_{18}N_2O_3$
5-Hydroxytryptophan; 5-Benzyl ether, *in* H-00219

$C_{18}H_{18}N_2O_5S$
Dibatod, D-00153

$C_{18}H_{18}N_2O_6S$
Cefaloram, C-00111

$C_{18}H_{18}N_4O_2$
4-(4′-Aminobenzamido)antipyrine, A-00211
▷Mesocarb, M-00133
Methylniphenazine, M-00273

$C_{18}H_{18}N_4O_4$
1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol, B-00225

$C_{18}H_{18}N_4S_2$
2,2′-(9,10-Anthrylenedimethylene)bis(isothiourea), A-00404

$C_{18}H_{18}N_6O_5S_2$
Cefamandole, C-00112
▷Cefatrizine, C-00117

$C_{18}H_{18}N_6O_8S_3$
Cefonicid, C-00135

$C_{18}H_{18}N_8O_7S_3$
Ceftriaxone, C-00159

$C_{18}H_{18}O_2$
2-(4-Biphenylyl)-4-hexenoic acid, B-00180
▷Dienestrol, D-00223
3′,5-Di(2-propenyl)-2,4′-biphenyldiol, D-00522
▷Equilenin, E-00098
Magnolol, M-00012

$C_{18}H_{18}O_4$
1,3:2,4-Di-*O*-benzylideneerythritol, *in* E-00114

1,2:3,4-Di-*O*-benzylidene-D-threitol, *in* T-00219
1,2:3,4-Di-*O*-benzylidene-DL-threitol, *in* T-00219
1,2:3,4-Di-*O*-benzylidene-L-threitol, *in* T-00219
1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, *in* D-00346

$C_{18}H_{18}O_4S$
2,2′-Thiobisethanol; Dibenzoyl, *in* T-00195

$C_{18}H_{18}O_5$
Agrimonolide, A-00084

$C_{18}H_{18}O_6$
Erythritol; 2,3-Di-*O*-benzoyl, *in* E-00114

$C_{18}H_{18}O_8$
Crotepoxide, C-00568

$C_{18}H_{19}Br_2N_5O_2$
Brindoxime, B-00272

$C_{18}H_{19}ClN_2$
Cycliramine, C-00593

$C_{18}H_{19}ClN_2O_3$
Almoxatone, A-00140

$C_{18}H_{19}ClN_2O_4$
Picafibrate, P-00230

$C_{18}H_{19}ClN_4$
▷Clozapine, C-00521

$C_{18}H_{19}ClO_3$
Beclobrinic acid, B-00023

$C_{18}H_{19}Cl_2NO_4$
Felodipine, F-00028

$C_{18}H_{19}F_2NO_5$
▷Riodipine, R-00060

$C_{18}H_{19}F_3N_2S$
▷Fluopromazine, F-00176

$C_{18}H_{19}N$
▷Benzoctamine, B-00090

$C_{18}H_{19}NO$
2-Phenylcyclopentylamine; *N*-Benzoyl, *in* P-00185
2-Phenylcyclopentylamine; Benzoyl, *in* P-00185

$C_{18}H_{19}NOS$
Tolindate, T-00351

$C_{18}H_{19}NO_2$
▷Apocodeine, *in* A-00425
Equilenin; Oxime, *in* E-00098
7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, P-00205

$C_{18}H_{19}NO_3$
Codeinone, C-00526
▷Glaziovine, G-00029
Morphothebaine, M-00452

$C_{18}H_{19}NO_5$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; 3,4-Di-Me ether, *N*-benzoyl, *in* A-00248
2,3-Didemethyl-N-deacetylcolchicine, *in* C-00534

$C_{18}H_{19}NS$
Prothixene, P-00537

$C_{18}H_{19}NS_2$
Pipethiadene, P-00297

$C_{18}H_{19}N_3O$
Ondansetron, O-00048

$C_{18}H_{19}N_3O_2$
▷Diacetazotol, D-00117

$C_{18}H_{19}N_3O_5S$
Cefprozil, C-00146

$C_{18}H_{19}N_3O_6S$
▷Cephaloglycin, C-00174

$C_{18}H_{19}N_5O_3$
1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea, P-00584

$C_{18}H_{19}O_5$
5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol; Phthaloyl, *in* H-00162

$C_{18}H_{20}ClNO$
Pyroxamine, P-00593

$C_{18}H_{20}ClN_3O$
▷Clodazon, C-00448

$C_{18}H_{20}ClN_3O_5S$
Glicondamide, G-00038

$C_{18}H_{20}FN_3O_4$
Ofloxacin, O-00032

$C_{18}H_{20}NO_3PS$
Fostedil, F-00259

$C_{18}H_{20}N_2$
Amezepine, A-00181
Ciclopramine, C-00331
Mianserin, M-00360

$C_{18}H_{20}N_2O$
Fanthridone, F-00018
1,2,3,4-Tetrahydro-9-methoxyellipticine, *in* M-00198

$C_{18}H_{20}N_2O_2$
Vinconate, V-00036

$C_{18}H_{20}N_2O_2S$
Peritetrate, P-00125

$C_{18}H_{20}N_2O_6$
Nitrendipine, N-00172

$C_{18}H_{20}N_2O_8$
α,α′-Diamino-5,5′,6,6′-tetrahydroxy-3,3′-biphenyldipropanoic acid, *in* A-00248

$C_{18}H_{20}N_2S$
▷Methdilazine, M-00177
▷10-[2-(1-Pyrrolidinyl)ethyl]-10*H*-phenothiazine, P-00597

$C_{18}H_{20}N_4O_2$
▷Nitracrine, N-00163

$C_{18}H_{20}N_8O_6S_3$
Antibiotic SQ 14359, A-00409

$C_{18}H_{20}O_2$
Diethylstilbestrol, D-00257
▷Equilin, E-00099

$C_{18}H_{20}O_6$
3,3′-Dihydroxy-4′,5,7-trimethoxyflavan, *in* P-00081
3,4′-Dihydroxy-3′,5,7-trimethoxyflavan, *in* P-00081
3,3′,4′,5,7-Pentahydroxyflavan; $O^{3'}$,O^{5},O^{7}-Tri-Me, *in* P-00081

$C_{18}H_{20}O_8S_2$
Diethylstilbestrol disulfate, *in* D-00257

$C_{18}H_{20}O_9$
2,3,5-Tri-*O*-acetyl-1-*O*-benzoyl-β-D-xylofuranose, *in* X-00024

$C_{18}H_{21}ClN_2$
▷Chlorcyclizine, C-00198
▷Clomacran, C-00465
Closiramine, C-00505
Nelezaprine, N-00065

$C_{18}H_{21}ClN_4$
Midamaline, M-00366

$C_{18}H_{21}ClN_4O_9$
Bofumustine, B-00248

$C_{18}H_{21}N$
4,4-Diphenylcyclohexylamine, D-00490

$C_{18}H_{21}NO$
α,α-Diphenyl-2-piperidinemethanol, D-00504
α,α-Diphenyl-3-piperidinemethanol, D-00505
α,α-Diphenyl-4-piperidinemethanol, D-00506

$C_{18}H_{21}NO_2$
N-(Benzyloxy)-*N*-(3-phenylpropyl)acetamide, B-00125
Methyldesorphine, M-00243

Naranol, N-00049

$C_{18}H_{21}NO_3$
▷Codeine, C-00525
2-(Dimethylamino)ethyl benzilate, D-00410
▷Hydrocodone, *in* H-00102
▷Metopon, M-00333

$C_{18}H_{21}NO_4$
Codeine N-oxide, *in* C-00525
▷4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one, *in* O-00155

$C_{18}H_{21}NO_5$
Amikhelline, A-00197
Precriwelline, *in* P-00425
Pretazettine, P-00425
Protokylol, P-00540

$C_{18}H_{21}NO_6$
Iprocrolol, I-00159

$C_{18}H_{21}N_2O_7P$
2,6-Dimethyl-4-(2-nitrophenyl)-5-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-3-pyridinecarboxylate, D-00437

$C_{18}H_{21}N_3O$
▷Dibenzepin, D-00156
Etofuradine, E-00252
Oxadimedine, O-00075

$C_{18}H_{21}N_5O_3S$
Revospirone, R-00035

$C_{18}H_{21}N_5O_4$
N-[(2-Methylphenyl)methyl]adenosine, *in* A-00067

$C_{18}H_{21}N_7O_4S$
Tiodazosin, T-00299

$C_{18}H_{22}BrNO$
Embramine, E-00033

$C_{18}H_{22}BrNO_3S$
▷Heteronium bromide, *in* H-00036

$C_{18}H_{22}ClNO$
▷Chlorphenoxamine, C-00294
▷Phenoxybenzamine, P-00170

$C_{18}H_{22}ClN_3O_2$
Carcainium chloride, *in* C-00072

$C_{18}H_{22}Cl_2N_2O_3$
Diclofurime, D-00212

$C_{18}H_{22}I_3N_3O_8$
▷Metrizamide, M-00343

$C_{18}H_{22}NO_3S^{\oplus}$
Heteronium(1+), H-00036

$C_{18}H_{22}NO_5^{\oplus}$
[2-[(9-Methoxy-7-methyl-5-oxo-5*H*-furo[3,2-*g*][1]benzopyran-4-yl)oxy]ethyl]trimethylammonium(1+), M-00202

$C_{18}H_{22}N_2$
▷Cyclizine, C-00595
▷Desipramine, D-00095
Mezepine, M-00356

$C_{18}H_{22}N_2OS$
▷Methopromazine, M-00190

$C_{18}H_{22}N_2O_2$
▷Carazolol, C-00038
▷Phenacaine, P-00135

$C_{18}H_{22}N_2O_2S$
▷Oxomemazine, O-00132

$C_{18}H_{22}N_2O_4S$
▷4-Benzyl-3-butylamino-5-sulfamoylbenzoic acid, B-00108

$C_{18}H_{22}N_2O_5S$
Isopropicillin, I-00200
Propicillin, P-00501

$C_{18}H_{22}N_2S$
▷Diethazine, D-00227
▷Trimeprazine, T-00495

$C_{18}H_{22}N_3O_2^{\oplus}$
Carcainium(1+), C-00072

$C_{18}H_{22}N_4O_4$
Tribendilol, T-00427

$C_{18}H_{22}O_2$
3,4-Bis(4-hydroxyphenyl)hexane, B-00220
Isoestrone, *in* O-00031
▷Oestrone, O-00031
Trenbolone, T-00410

$C_{18}H_{22}O_2S$
Eprovafen, E-00092

$C_{18}H_{22}O_3$
▷Methallenoestril, M-00164

$C_{18}H_{22}O_4$
2,3-Bis(3-hydroxybenzyl)-1,4-butanediol, B-00215
Terbucromil, T-00082

$C_{18}H_{22}O_5S$
Oestrone; 3-Sulfo, *in* O-00031

$C_{18}H_{22}O_8P_2$
▷Fosfestrol, *in* D-00257

$C_{18}H_{23}BrO_2$
1-Bromoestradiol, *in* O-00028

$C_{18}H_{23}ClN_2S$
Thiazinamium chloride, *in* T-00182

$C_{18}H_{23}ClO_2S$
Ethyl dibunate, *in* D-00173

$C_{18}H_{23}N$
4,4-Diphenyl-2-butylamine; *N*,*N*-Di-Me, *in* D-00489
Tolpropamine, T-00367

$C_{18}H_{23}NO$
Bifemelane, B-00161
p-Methyldiphenhydramine, M-00247
α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine, M-00269
▷Moxastine, M-00460
Oestrone; Oxime, *in* O-00031
▷Orphenadrine, O-00064

$C_{18}H_{23}NO_2$
Butinazocine, B-00406
Dihydrodesoxycodeine, *in* D-00100
Ketazocine, K-00011
Medrylamine, M-00059

$C_{18}H_{23}NO_3$
Butopamine, B-00414
▷Dihydrocodeine, *in* D-00294
(±)-Dihydrocodeine, *in* D-00294
Dobutamine, D-00561
▷Isoxsuprine, I-00218
▷Methyldihydromorphine, M-00245
O-Methylgalanthamine, *in* G-00002
Solpecainol, S-00094
Tetrahydroglaziovine, *in* G-00029

$C_{18}H_{23}NO_3S$
Ciglitazone, C-00339

$C_{18}H_{23}NO_4$
Denopamine, D-00074

$C_{18}H_{23}NO_5$
Pentopril, P-00104

$C_{18}H_{23}N_2S^{\oplus}$
Thiazinamium(1+), T-00182

$C_{18}H_{23}N_3O$
Acetergamine, A-00019
Atolide, A-00471

$C_{18}H_{23}N_3O_2S$
Podilfen, P-00375

$C_{18}H_{23}N_3O_3$
Buquiterine, B-00374

$C_{18}H_{23}N_5O$
Binizolast, B-00171

$C_{18}H_{23}N_5O_2$
Fenethylline, F-00047

$C_{18}H_{23}N_5O_3$
▷Cafedrine, C-00009

$C_{18}H_{23}N_5O_5$
▷Reproterol, R-00026

$C_{18}H_{23}N_9O_4S_3$
▷Cefotiam, C-00140

$C_{18}H_{24}BrNO$
▷Dylamon, *in* M-00064

$C_{18}H_{24}BrNO_3S$
▷Bretylium tosylate, *in* B-00271

$C_{18}H_{24}ClNO$
Mefenidramium(1+); Chloride, *in* M-00064

$C_{18}H_{24}ClNO_2$
▷Clocanfamide, C-00440

$C_{18}H_{24}ClNO_3$
Ericolol, E-00107

$C_{18}H_{24}FNO$
Nonaperone, N-00204

$C_{18}H_{24}INO$
▷Diphenhydramine methiodide, *in* M-00064

$C_{18}H_{24}I_3NO_8$
Iotrizoic acid, I-00143

$C_{18}H_{24}I_3N_3O_8$
Iopromide, I-00131
Ioxilan, I-00149

$C_{18}H_{24}I_3N_3O_9$
Ioglucol, I-00112
Ioglunide, I-00114
Ioversol, I-00146

$C_{18}H_{24}NO^{\oplus}$
Mefenidramium(1+), M-00064

$C_{18}H_{24}NO_2S^{\oplus}$
Tiemonium(1+), T-00257

$C_{18}H_{24}N_2O$
▷Azaprocin, A-00506
Midazogrel, M-00367

$C_{18}H_{24}N_2OS$
Suloxifen, S-00235

$C_{18}H_{24}N_2O_3$
Amquinate, *in* D-00238

$C_{18}H_{24}N_2O_4$
Ancarolol, A-00380

$C_{18}H_{24}N_2O_5$
Enalaprilat, E-00043

$C_{18}H_{24}N_2O_5S$
Amosulalol, A-00360

$C_{18}H_{24}N_2O_6$
Cinepazic acid, C-00362

$C_{18}H_{24}N_4O$
Granisetron, G-00086

$C_{18}H_{24}N_4O_4$
Carbazeran, C-00044

$C_{18}H_{24}N_5O_8P$
▷Bucladesine, *in* C-00591

$C_{18}H_{24}O$
Bakuchiol, B-00006
Drupanol, D-00617

$C_{18}H_{24}O_2$
Oestradiol, O-00028

$C_{18}H_{24}O_3$
1,3,5(10)-Oestratrien-3,16β,17β-triol, *in* O-00030
▷Oestriol, O-00030

$C_{18}H_{24}O_3S$
3,6-Di-*tert*-butyl-1-naphthalenesulfonic acid, D-00173

$C_{18}H_{24}O_5$
4-(5-Cyclohexyl-2,4-dimethoxyphenyl)-4-oxobutanoic acid, C-00606

$C_{18}H_{24}O_8P_2$
Hexestrol diphosphate, *in* B-00220

$C_{18}H_{24}O_{12}$
myo-Inositol; Hexa-Ac, *in* I-00074

$C_{18}H_{25}Br_2NO_3$
Oxabrexine, O-00073

$C_{18}H_{25}ClN_2O$
Rodocaine, R-00072

$C_{18}H_{25}ClO_2$
4-Chloro-17-hydroxyestr-4-en-3-one, C-00242

$C_{18}H_{25}N$
Dimemorfan, D-00379
Heptaverine, H-00031
Volazocine, V-00066

$C_{18}H_{25}NO$
Cyclazocine, C-00588
▷Dextromethorphan, *in* H-00166
Levomethorphan, *in* H-00166

$C_{18}H_{25}NO_2$
Allylprodine, A-00133
2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline, M-00259
Moxazocine, M-00462

$C_{18}H_{25}NO_3$
Atromepine, A-00474

$C_{18}H_{25}NO_5$
7-Angelyl-9-sarracinylretronecine, *in* S-00025

$C_{18}H_{25}NO_8$
Leucogenenol, L-00031

$C_{18}H_{25}N_3O_3$
Azaloxan, A-00498

$C_{18}H_{25}N_3O_4$
Molracetam, M-00424

$C_{18}H_{25}N_3O_5$
Carocainide, C-00085
Libenzapril, L-00042

$C_{18}H_{25}N_5O_4$
Metazosin, M-00156
Neldazosin, N-00064

$C_{18}H_{25}N_5O_8S$
Gloximonam, *in* O-00115

$C_{18}H_{25}N_7$
▷2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine, B-00119

$C_{18}H_{26}BrNOS_2$
Thihexinol methylbromide, *in* T-00190

$C_{18}H_{26}ClNO_2$
Pranolium chloride, *in* P-00399

$C_{18}H_{26}ClN_3$
▷Chloroquine, C-00284

$C_{18}H_{26}ClN_3O$
▷Hydroxychloroquine, H-00120

$C_{18}H_{26}NOS_2^{\oplus}$
Thihexinol methyl(1+), T-00190

$C_{18}H_{26}NO_2^{\oplus}$
Pranolium(1+), P-00399

$C_{18}H_{26}N_2O_4$
▷Proglumide, P-00468

$C_{18}H_{26}N_2O_4S$
Glibornuride, G-00033

$C_{18}H_{26}N_2O_5$
Disofenin, D-00536

$C_{18}H_{26}N_2O_6$
▷Methylatropine nitrate, *in* T-00554

$C_{18}H_{26}N_2S$
Tandamine, T-00025

$C_{18}H_{26}N_4O_2S$
▷Mesulergine, M-00140

$C_{18}H_{26}N_4O_5$
Denipride, D-00073

$C_{18}H_{26}N_4O_6S$
Carbonic acid 4-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]-formylamino]-3-[(ethoxycarbonyl)thio]-3-pentenyl ethyl ester, *in* T-00174

$C_{18}H_{26}O$
Xibornol, X-00013

$C_{18}H_{26}O_2$
17-Hydroxy-4-oestren-3-one, H-00185

$C_{18}H_{26}O_3$
Ibuverine, *in* C-00614

$C_{18}H_{26}O_5$
▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, D-00035

$C_{18}H_{26}O_5S$
17-Hydroxy-4-oestren-3-one; Sulfo, *in* H-00185

$C_{18}H_{26}O_{12}$
1,2,3,4,5,6-Hexa-*O*-acetyl-D-glucitol, *in* G-00054
1,2,3,4,5,6-Hexa-*O*-acetyl-D-mannitol, *in* M-00018

$C_{18}H_{27}IO_2S$
▷Hexasonium iodide, *in* H-00062

$C_{18}H_{27}IO_3S$
▷Oxysonium iodide, *in* O-00165

$C_{18}H_{27}NO_2$
Alifedrine, A-00118
Butaverine, B-00396
▷Caramiphen, C-00037
Dyclonine, D-00623
▷Hexacaine, H-00037
1-(Isopropylamino)-3-(1,4-ethano-1,2,3,4-tetrahydro-5-naphthyloxy)-2-propanol, I-00202
Pentapiperide, P-00091

$C_{18}H_{27}NO_3$
Droxypropine, D-00616
▷Minepentate, M-00385

$C_{18}H_{27}NO_4$
Etoxeridine, E-00265

$C_{18}H_{27}NO_5$
Neoplatyphylline, *in* P-00372
Platyphylline, P-00372
▷Propanidid, P-00489
▷Sarracine, S-00025

$C_{18}H_{27}NO_6$
Dihydroretrorsine, *in* P-00372
Hygrophylline, *in* P-00372
Platyphylline N-oxide, *in* P-00372
Sarracine N-oxide, *in* S-00025
Trixolane, T-00542

$C_{18}H_{27}N_3O$
4-Amino-*N*-(1-cyclohexyl-3-pyrrolidinyl)-*N*-methylbenzamide, A-00229
Pentaquine, P-00092

$C_{18}H_{27}O_2S^{\oplus}$
Hexasonium(1+), H-00062

$C_{18}H_{27}O_3S^{\oplus}$
Oxysonium(1+), O-00165

$C_{18}H_{28}ClNO$
▷Clofenciclan, C-00451

$C_{18}H_{28}NO_5^{\oplus}$
Troxypyrrolium(1+), T-00561

$C_{18}H_{28}N_2O$
Bumecaine, B-00354
▷Bupivacaine, B-00368

$C_{18}H_{28}N_2O_2$
Vadocaine, V-00001

$C_{18}H_{28}N_2O_2S_4$
2,2′-(Dithiodicarbonothioyl)bis[*N*-(2-methoxyethyl)-1-cyclopenten-1-amine, D-00552

$C_{18}H_{28}N_2O_3$
3,4-Diethoxy-β-methoxy-*N*-(1-methyl-2-pyrrolidinylidene)-benzeneethanamine, D-00229

$C_{18}H_{28}N_2O_4$
Acebutolol, A-00006

$C_{18}H_{28}N_4O$
Butalamine, B-00385

$C_{18}H_{28}N_6O$
Lamtidine, L-00007

$C_{18}H_{28}O_2$
4-Oestrene-3,17-diol, O-00029

$C_{18}H_{28}O_4$
▷Albocycline, A-00099
2,5-Dihydroxy-3-undecyl-1,4-benzoquinone; 5-Me ether, *in* D-00356

$C_{18}H_{28}O_4Si_4$
▷2,2,4,6,6,8-Hexamethyl-4,8-diphenylcyclotetrasiloxane, H-00056

$C_{18}H_{28}O_5$
Albocycline M-1, *in* A-00099
Albocycline M-2, *in* A-00099
Albocycline M-4, *in* A-00099
Albocycline M-5, *in* A-00099
Albocycline M-7, *in* A-00099

$C_{18}H_{29}NO$
Piperphenidol, P-00295

$C_{18}H_{29}NO_2$
α-[[(3-Cyclohexyl-1-methylpropyl)amino]methyl]-3-hydroxybenzyl alcohol, C-00619
Exaprolol, E-00279
▷Ketocaine, *in* K-00015
Lotucaine, L-00105
Penbutolol, P-00059

$C_{18}H_{29}NO_3$
Amprotropine, A-00371
Betaxolol, B-00142
Butamyrate, B-00389

$C_{18}H_{29}NO_4$
Bufetolol, B-00349
Cicloprolol, C-00332
▷Guaiapate, G-00092
Iproxamine, I-00164

$C_{18}H_{29}N_3O_5$
Terbutaline bis(dimethylcarbamate), *in* T-00084

$C_{18}H_{30}BrNO_3S$
▷Monodral bromide, *in* P-00095

$C_{18}H_{30}Br_6O_2$
6,9,12-Octadecatrienoic acid; Hexabromide, *in* O-00009

$C_{18}H_{30}ClO_5P$
Trichlorex, *in* T-00441

$C_{18}H_{30}NO_5^{\oplus}$
Troxonium(1+), T-00560

$C_{18}H_{30}N_2O_2$
▷Butacaine, B-00381
Calocaine, C-00018

$C_{18}H_{30}N_4O_2$
Diaminocaine, D-00122

$C_{18}H_{30}N_4O_6$
Cytosamine, C-00666

$C_{18}H_{30}O_2$
2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid, C-00607
6,9,12-Octadecatrienoic acid, O-00009

$C_{18}H_{30}O_5$
Albocycline M-3, *in* A-00099
Albocycline M-6, *in* A-00099

$C_{18}H_{30}O_6$
1,2:5,6-Di-*O*-cyclohexylidene-*myo*-inositol, *in* I-00074

$C_{18}H_{30}O_7$
Nonanedioic acid; Anhydride, *in* N-00203

$C_{18}H_{31}ClO$
2-Cyclopentene-1-tridecanoic acid; Chloride, *in* C-00627

$C_{18}H_{31}N$
2-Cyclopentene-1-tridecanoic acid; Nitrile, *in* C-00627

$C_{18}H_{31}NO_2$
▷Ketocainol, K-00015

$C_{18}H_{31}NO_4$
Bisoprolol, B-00233

$C_{18}H_{31}N_3O_3$
Pafenolol, P-00002

$C_{18}H_{31}N_3O_3S$
Suricainide, S-00277

$C_{18}H_{32}Br_2Cl_2N_4O_2$
Dibrospidium chloride, *in* D-00169

$C_{18}H_{32}Br_2N_4O_2^{\oplus\oplus}$
Dibrospidium (2+), D-00169

$C_{18}H_{32}N_2O_8$
Ethylenediaminetetraacetic acid; Tetra-Et ester, *in* E-00186

$C_{18}H_{32}N_4O$
N,*N*-Dimethyl-*N'*-(2-diisopropylaminoethyl)-*N'*-(4,6-dimethyl-2-pyridinyl)urea, D-00428

$C_{18}H_{32}O_2$
2-Cyclopentene-1-tridecanoic acid, C-00627
9,12-Octadecadienoic acid, O-00007

$C_{18}H_{33}ClN_2O_5S$
▷Clindamycin, C-00428

$C_{18}H_{33}ClO$
9-Octadecenoic acid; Chloride, *in* O-00010

$C_{18}H_{33}N$
9-Octadecenoic acid; Nitrile, *in* O-00010

$C_{18}H_{33}NO$
2-Cyclopentene-1-tridecanoic acid; Amide, *in* C-00627

$C_{18}H_{34}ClN_2O_8PS$
▷Clindamycin phosphate, *in* C-00428

$C_{18}H_{34}I_2O_2$
9,10-Diiodooctadecanoic acid, D-00361

$C_{18}H_{34}N_2O_6S$
▷Lincomycin, L-00051

$C_{18}H_{34}N_2O_7S$
Lincomycose, *in* L-00051

$C_{18}H_{34}O_2$
9-Octadecenoic acid, O-00010

$C_{18}H_{34}O_3$
Methyl palmoxirate, *in* T-00110
Rosaprostol, R-00093

$C_{18}H_{34}O_6$
▷Sorbitan monolaurate, *in* A-00387

$C_{18}H_{35}NO$
▷Laurocapram, L-00015
9-Octadecenoic acid; Amide, *in* O-00010

$C_{18}H_{35}NO_2$
Isomylamine, I-00194

$C_{18}H_{35}N_5O_7$
Antibiotic SF 1854, *in* F-00252
3″-N-Demethylsisomicin, *in* S-00082

$C_{18}H_{36}Cl_2N_4O_2^{\oplus\oplus}$
Prospidium(2+), P-00527

$C_{18}H_{36}Cl_4N_4O_2$
▷Prospidium chloride, *in* P-00527

$C_{18}H_{36}N_4O_{10}$
▷5-Deoxykanamycin A, *in* K-00004
▷1-*N*-Methylribostamycin, *in* R-00040

$C_{18}H_{36}N_4O_{11}$
▷Kanamycin *A*, K-00004

$C_{18}H_{36}N_6O_6$
Dactimicin, D-00002

$C_{18}H_{36}O_3$
2-Hydroxyoctadecanoic acid, H-00184

$C_{18}H_{37}N$
9-Octadecenylamine, O-00011

$C_{18}H_{37}NO_2$
2-Hydroxyoctadecanoic acid; Amide, *in* H-00184
Palmidrol, P-00006

$C_{18}H_{37}N_5O_7$
4″-Demethylgentamicin C_{1a}, *in* G-00018

$C_{18}H_{37}N_5O_8$
▷Dibekacin, D-00154

$C_{18}H_{37}N_5O_9$
▷Nebramycin factor 6, N-00059

$C_{18}H_{37}N_5O_{10}$
▷Kanamycin *B*, K-00005

$C_{18}H_{39}N$
▷Octadecylamine, O-00012

$C_{18}H_{40}Br_2N_4O_4$
Carbolonium bromide, *in* C-00055

$C_{18}H_{40}N_4O_4^{\oplus\oplus}$
Carbolonium(2+), C-00055

$C_{19}H_{10}HgI_2O_7S$
Meralein, M-00111

$C_{19}H_{11}Cl_2I_2NO_3$
▷Rafoxanide, R-00003

$C_{19}H_{12}F_6N_2O_7$
Flurantel, F-00216

$C_{19}H_{12}O_2$
2-(1-Naphthyl)-1,3-indandione, N-00045

$C_{19}H_{12}O_3$
▷4-Hydroxy-3-(1-naphthyl)-2*H*-1-benzopyran-2-one, H-00180

$C_{19}H_{12}O_6$
▷3,3′-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one), M-00251

$C_{19}H_{12}O_8$
▷Diacerein, *in* D-00309

$C_{19}H_{14}N_2OS_2$
Naftoxate, N-00026

$C_{19}H_{14}N_2O_2$
▷4-[2,3-Diisocyano-4-(4-methoxyphenyl)-1,3-butadienyl]-phenol, *in* X-00005

$C_{19}H_{14}N_2O_7$
2-(Phenanthro[3,4-d]-1,3-dioxole-6-nitro-5-carboxamido)-propanoic acid, *in* M-00252

$C_{19}H_{14}O_5$
5,5-Dimethyl-11-oxo-5*H*,11*H*-[2]benzopyrano[4,3-*g*][1]-benzopyran-9-carboxylic acid, D-00440

$C_{19}H_{14}O_5S$
▷Phenolsulfonphthalein, P-00163

$C_{19}H_{14}O_6$
6,8-Dihydroxyflavone; Di-Ac, *in* D-00326

$C_{19}H_{14}O_8$
2,2′-[(4-Oxo-2-phenyl-4*H*-1-benzopyran-5,7-diyl)bis(oxy)-bis-(acetic acid), *in* D-00326

$C_{19}H_{15}ClN_2O_4$
2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]propanoic acid, C-00219

$C_{19}H_{15}Cl_3N_2O_2$
Democonazole, D-00068

$C_{19}H_{15}F_3N_2OS$
Cisconazole, C-00397

$C_{19}H_{15}F_3N_4O_3$
Tosufloxacin, T-00390

$C_{19}H_{15}NO_2$
Allylcinchophen, *in* P-00206

$C_{19}H_{15}NO_4$
▷3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline, M-00267

$C_{19}H_{15}NO_6$
▷Nicoumalone, N-00105

$C_{19}H_{15}N_3O_3S$
Phenithionate, P-00159

$C_{19}H_{16}BrClFN_3O_2$
Kenazepine, K-00008

$C_{19}H_{16}ClFN_2O$
▷Flutoprazepam, F-00231

$C_{19}H_{16}ClNO_4$
▷Clometacin, C-00468
▷Indomethacin, I-00065
Rilopirox, R-00053

$C_{19}H_{16}N_2O$
▷Diphenpyramide, D-00487

$C_{19}H_{16}N_2O_4$
▷1-Benzoyl-5-ethyl-5-phenylbarbituric acid, *in* E-00218
Tryptophan; *N*-Benzyloxycarbonyl, *in* T-00567

$C_{19}H_{16}N_4O_4$
▷Zidometacin, Z-00012

$C_{19}H_{16}N_4O_5S$
Homosulphasalazine, H-00086

$C_{19}H_{16}O_4$
▷Warfarin, W-00001

$C_{19}H_{16}O_5$
▷Efloxate, E-00019
Isocromil, I-00184

$C_{19}H_{17}ClFN_3O_5S$
Flucloxacillin, F-00139

$C_{19}H_{17}ClF_3NO_4$
Halofenate, H-00008

$C_{19}H_{17}ClN_2O$
▷Prazepam, P-00404

$C_{19}H_{17}ClN_2O_4$
▷Oxametacin, O-00082

$C_{19}H_{17}ClN_2O_6$
Arclofenin, A-00437

$C_{19}H_{17}ClN_4O_4$
▷Glafenine, G-00027

$C_{19}H_{17}Cl_2N_3O_5S$
▷Dicloxacillin, D-00214

$C_{19}H_{17}Cl_3N_2S$
Butoconazole, B-00410

$C_{19}H_{17}I_4NO_5$
Thyroxine; Me ester, Me ether, *N*-Ac, *in* T-00233

$C_{19}H_{17}NOS$
▷Tolnaftate, T-00354

$C_{19}H_{17}NO_2$
Neocinchophen, *in* M-00295

$C_{19}H_{17}NO_3$
Des-N-methylacronycine, *in* A-00050

$C_{19}H_{17}NO_4$
Warfarin; Oxime, *in* W-00001

$C_{19}H_{17}NO_7$
Nedocromil, N-00060

$C_{19}H_{17}N_3O_4S_2$
▷Cephaloridine, C-00176

$C_{19}H_{17}N_5O$
Quinazopyrine, Q-00013

$C_{19}H_{17}N_5O_2$
Nafamostat, N-00009

$C_{19}H_{17}N_5O_5S$
Salazosulphadimidine, S-00011

$C_{19}H_{17}N_5O_7S$
Salazodimethoxine, S-00007

$C_{19}H_{17}N_5O_7S_3$
Ceftiofur, C-00156

$C_{19}H_{18}BrF_3N_2O_4$
Bromoxanide, B-00323

$C_{19}H_{18}ClFN_2O_3$
▷Flutazolam, F-00225

$C_{19}H_{18}ClFN_2O_3S$
Elfazepam, E-00025

$C_{19}H_{18}ClNO$
4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid; Nitrile, *in* C-00220
Clopipazan, C-00486

$C_{19}H_{18}ClN_3O$
▷Cyprazepam, C-00645

$C_{19}H_{18}ClN_3O_3$
▷Camazepam, C-00019

$C_{19}H_{18}ClN_3O_4S$
Trazium esilate, *in* T-00404

$C_{19}H_{18}ClN_3O_5S$
Cloxacillin, C-00515

$C_{19}H_{18}ClN_5$
Adinazolam, A-00071

$C_{19}H_{18}Cl_2N_2O_2$
Ciprazafone, C-00386

$C_{19}H_{18}Cl_2N_4O_4S$
Prazocillin, P-00408

$C_{19}H_{18}F_3NO_2$
Prefenamate, P-00415

$C_{19}H_{18}F_6N_2O$
Enpiroline, E-00064

$C_{19}H_{18}N_2O_2$
Ciproquazone, C-00392

$C_{19}H_{18}N_2O_3$
▷Kebuzone, K-00006
Tryptophan; *N*-Phenoxyacetyl, *in* T-00567

$C_{19}H_{18}N_2O_4$
3-Amino-3-pyrrolidinecarboxylic acid; Dibenzoyl, *in* A-00329
▷Cimoxatone, C-00352

$C_{19}H_{18}N_4O_2$
Pimobendan, P-00261

$C_{19}H_{18}N_4O_5S_3$
Cefcanel, C-00122

$C_{19}H_{18}N_6O_6$
▷Nicarbazin, *in* B-00231

$C_{19}H_{18}N_6O_6S_2$
Cefamandole; *O*-Formyl, *in* C-00112

$C_{19}H_{18}O_5$
1,2:3,5-Di-*O*-benzylidene-α-D-xylofuranose, *in* X-00024

Ethyl 2-methyl-2-[(9-oxo-9*H*-xanthen-3-yl)oxy]propanoate, E-00202

$C_{19}H_{18}O_7$
▷Benfurodil hemisuccinate, B-00053
3′,5-Dihydroxy-4′,6,7-trimethoxyflavone; 3′-Me ether, *in* D-00354

$C_{19}H_{18}O_8$
Menadiol disuccinate, *in* D-00333

$C_{19}H_{18}O_9$
Clitoriacetal, C-00432

$C_{19}H_{19}ClN_2$
2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b*,*e*]-azepine, C-00234

$C_{19}H_{19}ClO_3$
4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid, C-00220

$C_{19}H_{19}Cl_2N_3O_3$
Elnadipine, E-00029
Pinadoline, P-00265

$C_{19}H_{19}F_2NO_2$
Flazalone, F-00113

$C_{19}H_{19}N$
Phenindamine, P-00156
2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]-cyclo-hepta[1,2-*c*]pyridine, T-00123

$C_{19}H_{19}NO$
Maroxepin, M-00025

$C_{19}H_{19}NOS$
Ketotifen, K-00020

$C_{19}H_{19}NO_4$
Palaudine, *in* P-00019

$C_{19}H_{19}NO_6$
▷Etersalate, E-00144

$C_{19}H_{19}NS$
▷Pimethixene, P-00257

$C_{19}H_{19}N_3$
1-Phenyl-3-(1-piperazinyl)isoquinoline, P-00196

$C_{19}H_{19}N_3O$
Tris(4-aminophenyl)methanol, T-00532

$C_{19}H_{19}N_3O_2$
Tryptophan; *N*-Ac, anilide, *in* T-00567

$C_{19}H_{19}N_3O_3$
3,9-Diamino-7-ethoxyacridine; 3,9-Di-*N*-Ac, *in* D-00130

$C_{19}H_{19}N_3O_5S$
▷Oxacillin, O-00074

$C_{19}H_{19}N_3O_6$
Nilvadipine, N-00144

$C_{19}H_{19}N_5$
Pitrazepin, P-00360

$C_{19}H_{19}N_5O_5S_3$
Cefaparole, C-00114

$C_{19}H_{19}N_7O_6$
▷Pteroylglutamic acid, P-00554

$C_{19}H_{20}BrN_3O_3$
Bretazenil, B-00270

$C_{19}H_{20}ClN$
Losindole, L-00101

$C_{19}H_{20}ClNOS$
Cloxathiepin, C-00516

$C_{19}H_{20}ClNO_4$
▷Bezafibrate, B-00148

$C_{19}H_{20}ClNO_5$
Ronifibrate, R-00085

$C_{19}H_{20}ClN_3$
Clemizole, C-00418

$C_{19}H_{20}Cl_2N_2O_3$
Paphencyl, P-00021

$C_{19}H_{20}Cl_2N_2O_5$
Etofamide, E-00247

$C_{19}H_{20}FNO_3$
Paroxetine, P-00040

$C_{19}H_{20}FN_3$
Fluperlapine, F-00200

$C_{19}H_{20}F_3NO$
Boxidine, B-00263

$C_{19}H_{20}F_3NO_2$
▷Benfluorex, B-00050

$C_{19}H_{20}F_3N_3O_3$
Morniflumate, M-00444

$C_{19}H_{20}N_2$
Mebhydrolin, M-00035

$C_{19}H_{20}N_2O$
Denzimol, D-00076

$C_{19}H_{20}N_2O_2$
▷Phenylbutazone, P-00180

$C_{19}H_{20}N_2O_3$
Amphotalide, A-00367
Ditazole, D-00545
▷Oxyphenbutazone, O-00158

$C_{19}H_{20}N_2O_4$
Ornithuric acid, *in* O-00059

$C_{19}H_{20}N_4O_2$
Nuvenzipine, N-00233

$C_{19}H_{20}N_6O$
Imidocarb, I-00034

$C_{19}H_{20}N_8O_5$
▷Aminopterin, A-00324

$C_{19}H_{20}O_2$
Dienestrol; Mono-Me ether, *in* D-00223
3′,5-Di(2-propenyl)-2,4′-biphenyldiol; 4′-Me ether, *in* D-00522

$C_{19}H_{20}O_5$
Columbianadin, C-00538

$C_{19}H_{20}O_{10}$
▷Khellinin, *in* K-00023

$C_{19}H_{21}ClN_2$
Elanzepine, E-00022

$C_{19}H_{21}ClN_2OS$
▷Chloracyzine, C-00192
Halethazole, H-00005

$C_{19}H_{21}ClN_2O_3$
Oxazafone, O-00095

$C_{19}H_{21}ClN_2S$
▷Clorotepine, C-00501

$C_{19}H_{21}ClN_4O_5$
Acefylline clofibrol, *in* A-00011
▷Theofibrate, T-00168

$C_{19}H_{21}F_3N_2S$
Trifluomeprazine, T-00462

$C_{19}H_{21}N$
1-(2-Dimethylaminoethyl)-1-phenylindene, D-00413
3-(Diphenylmethylene)-1-ethylpyrrolidine, D-00498
▷Nortriptyline, N-00224
▷Protriptyline, P-00544

$C_{19}H_{21}NO$
▷Doxepin, D-00594

$C_{19}H_{21}NO_2$
Dimeprozan, D-00383
Estrone cyanate, *in* O-00031
▷Oxitriptyline, O-00122

$C_{19}H_{21}NO_2S$
Dothiepin; 5,5-Dioxide; B,HCl, *in* D-00588

$C_{19}H_{21}NO_3$
▷Nalorphine, N-00032
Spiroxepin, S-00133
▷Thebaine, T-00162

$C_{19}H_{21}NO_4$
16-Hydroxythebaine, *in* T-00162
▷Naloxone, N-00033
Thebaine N-oxide, *in* T-00162

$C_{19}H_{21}NO_5S$
Cinaproxen, C-00356

$C_{19}H_{21}NO_6$
Oxodipine, O-00128

$C_{19}H_{21}NS$
▷Dothiepin, D-00588
Pizotifen, P-00368

$C_{19}H_{21}N_3$
▷Perlapine, P-00126

$C_{19}H_{21}N_3O$
Talastine, T-00006
Zolpidem, Z-00033

$C_{19}H_{21}N_3O_2S$
Enviradene, E-00070

$C_{19}H_{21}N_3O_5$
Darodipine, D-00016
Isradipine, I-00219

$C_{19}H_{21}N_3S$
▷Cyamemazine, C-00578
▷Metiapine, M-00317

$C_{19}H_{21}N_5O_2$
Pirenzepine, P-00321

$C_{19}H_{21}N_5O_3S$
Oxmetidine, O-00124

$C_{19}H_{21}N_5O_4$
▷Prazosin, P-00409

$C_{19}H_{22}ClNO_2$
Chlordimorine, C-00201
Difenclosazine, D-00263

$C_{19}H_{22}ClN_5O$
▷Trazodone, T-00405

$C_{19}H_{22}FN_3O$
▷Azaperone, A-00503

$C_{19}H_{22}FN_3O_3$
Binfloxacin, B-00169
Enrofloxacin, E-00068

$C_{19}H_{22}N_2$
▷Balipramine, B-00007
▷Triprolidine, T-00529

$C_{19}H_{22}N_2O$
Amedalin, A-00179
Benanserin, B-00036
Cinchonicine, *in* Q-00026
▷Cinchonine, C-00358
Eburnamonine, E-00003
Ketipramine, K-00013
Noxiptyline, N-00229

$C_{19}H_{22}N_2OS$
▷Acepromazine, A-00015
Aceprometazine, A-00016
Thiazesim, T-00181

$C_{19}H_{22}N_2O_2$
Cupreine, C-00574
Hydroxindasol, H-00105

$C_{19}H_{22}N_2O_3$
Bumadizone, B-00353

$C_{19}H_{22}N_2O_3S$
Dimethoxanate, D-00397

$C_{19}H_{22}N_2O_6S$
Penamecillin, P-00058

$C_{19}H_{22}N_2S$
Dimelazine, D-00378
▷Pecazine, P-00048

$C_{19}H_{22}N_4O$
Cianergoline, C-00319

$C_{19}H_{22}N_4O_2S$
Telenzepine, T-00057

$C_{19}H_{22}N_4O_6S_2$
Butaglionamide, B-00384

$C_{19}H_{22}O_2$
4-[1-Ethyl-2-(4-methoxyphenyl)-1-butenyl]phenol, *in* D-00257

$C_{19}H_{22}O_3$
Doisynoestrol, D-00570

$C_{19}H_{22}O_4$
▷Menadiol dibutyrate, *in* D-00333

$C_{19}H_{22}O_5$
Helenalin; (2-Methylpropenoyl), *in* H-00024

$C_{19}H_{22}O_6$
Glucurono-6,3-lactone; α-1,2-*O*-Cyclohexylidene, 5-benzyl, *in* G-00059

$C_{19}H_{23}ClNO_2^{\oplus}$
N-[2-(2-Acetyl-4-chlorophenoxy)ethyl]-*N*,*N*-dimethylbenzenemethanaminium (1+), A-00029

$C_{19}H_{23}ClNO_3^{\oplus}$
3-Acetyl-5-chloro-2-hydroxy-*N*,*N*-dimethyl-*N*-(2-phenoxyethyl)benzenemethanaminium(1+), A-00028

$C_{19}H_{23}ClN_2$
▷Clomipramine, C-00472
▷Homochlorcyclizine, H-00083

$C_{19}H_{23}ClN_2O_2$
Traboxopine, T-00392

$C_{19}H_{23}ClN_2S$
▷Chlorproethazine, C-00296

$C_{19}H_{23}ClO_2$
Clomestrone, C-00467

$C_{19}H_{23}FN_2O_3$
▷Roxoperone, R-00102

$C_{19}H_{23}IN_2OS$
N,*N*-Diethyl-*N*-methyl(10-phenothiazinylcarbonyl)-methylammonium(1+); Iodide, *in* D-00247

$C_{19}H_{23}I_2NO_2$
Bufeniode, B-00348

$C_{19}H_{23}NO$
Alimadol, A-00119
Cinnamedrine, C-00371
▷Diphenylpyraline, D-00514

$C_{19}H_{23}NO_2$
4-[2-(Diphenylmethoxy)ethyl]morpholine, D-00496
▷Elucaine, E-00031
Trepipam, T-00412

$C_{19}H_{23}NO_2S$
▷Meprothixol, M-00106

$C_{19}H_{23}NO_3$
Desomorphine; Ac, *in* D-00100
3,4-Dihydroxy-α-[(1-methyl-3-phenylpropyl)amino]-propiophenone, D-00335
▷Ethylmorphine, *in* M-00449
N-Allylnorgalanthamine, *in* G-00002
Oxyfedrine, O-00151
Reboxetine, R-00018
Xenysalate, X-00010

$C_{19}H_{23}NO_4$
14-Episinomenine, *in* S-00079

▷Sinomenine, S-00079

$C_{19}H_{23}NO_5$
Tretoquinol, T-00418

$C_{19}H_{23}NO_6$
Butocrolol, B-00411

$C_{19}H_{23}NS$
▷11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenzo[*b*,*e*]-thiepine, D-00420

$C_{19}H_{23}N_2OS^{\oplus}$
N,*N*-Diethyl-*N*-methyl(10-phenothiazinylcarbonyl)-methyl-ammonium(1+), D-00247

$C_{19}H_{23}N_3$
▷Amitraz, A-00349
▷Binedaline, B-00168
4-[[2-(Diethylamino)ethyl]amino]benzo[*g*]quinoline, D-00233

$C_{19}H_{23}N_3O$
▷Benzydamine, B-00105

$C_{19}H_{23}N_3OS$
Acepromazine; Oxime, *in* A-00015

$C_{19}H_{23}N_3O_2$
Ergometrine, E-00104
Ergometrinine, *in* E-00104

$C_{19}H_{23}N_3O_4S$
Hetacillin, H-00035

$C_{19}H_{23}N_3O_5S$
Oxetacillin, O-00104

$C_{19}H_{23}N_3S$
Dazidamine, D-00024

$C_{19}H_{23}N_4O_6PS$
▷Benfotiamine, B-00052

$C_{19}H_{23}N_5O_2$
Epiroprim, E-00084

$C_{19}H_{23}N_5O_3$
Trimetrexate, T-00514

$C_{19}H_{23}N_5O_3S$
Ipsapirone, I-00167

$C_{19}H_{24}BrNO_3$
Benzilylcholine bromide, *in* M-00326

$C_{19}H_{24}BrNS_2$
▷Tiquizium bromide, *in* T-00321

$C_{19}H_{24}ClNO$
Mecloxamine, M-00050

$C_{19}H_{24}Cl_2N_4O_3$
Hisphen, H-00076

$C_{19}H_{24}INO_3$
Metocinium iodide, *in* M-00326

$C_{19}H_{24}NO_3^{\oplus}$
Metocinium(1+), M-00326

$C_{19}H_{24}NS_2^{\oplus}$
Tiquizium(1+), T-00321

$C_{19}H_{24}N_2$
▷4-(*N*-Benzylanilino)-1-methylpiperidine, B-00106
Daledalin, D-00006
Histapyrrodine, H-00078
▷Imipramine, I-00040
Monometacrine, M-00429
Prazepine, P-00405

$C_{19}H_{24}N_2O$
▷Aminopentamide, A-00296
Hydrocinchonine, *in* C-00358
Imipraminoxide, *in* I-00040
N-(1-Phenylheptyl)-3-pyridinecarboxamide, P-00190
Vincanol, V-00034

$C_{19}H_{24}N_2OS$
Methotrimeprazine, M-00193
▷Phencarbamide, P-00150

$C_{19}H_{24}N_2O_2$
▷2-[2-(Diethylamino)ethoxy]benzanilide, D-00232
2-(Diethylamino)ethyl diphenylcarbamate, D-00235
Dihydrocupreine, *in* C-00574
Norajmaline, *in* A-00088
▷Praziquantel, P-00406
Xylamidine, X-00020

$C_{19}H_{24}N_2O_3$
▷Labetalol, L-00001

$C_{19}H_{24}N_2O_4$
Formoterol, F-00247
Pipratecol, P-00307
Tolamolol, T-00343

$C_{19}H_{24}N_2O_4S$
Mesudipine, M-00139

$C_{19}H_{24}N_2O_7S$
Furbucillin, F-00287

$C_{19}H_{24}N_2S$
▷Ethopropazine, E-00160

$C_{19}H_{24}N_2S_2$
Methiomeprazine, M-00182

$C_{19}H_{24}N_4O_2$
▷Pentamidine, P-00086

$C_{19}H_{24}N_6O_2$
Zolenzepine, Z-00029

$C_{19}H_{24}N_6O_5S_2$
Cefepime, C-00125

$C_{19}H_{24}O_2$
17-Hydroxy-17-methylestra-4,9,11-trien-3-one, H-00161
7α-Methylestrone, *in* O-00031

$C_{19}H_{24}O_2S$
Prifelone, P-00429

$C_{19}H_{24}O_3$
Adrenosterone, A-00079
Oestrone; Me ether, *in* O-00031
Pirnabin, P-00343
▷Testolactone, T-00100

$C_{19}H_{24}O_6$
Ethyl mycophenolate, *in* M-00475
Helenalin; 11α,13-Dihydro, (2-hydroxymethylacryloyl), *in* H-00024
Helenalin; 11α,13-Dihydro, (2,3-epoxyisobutyroyl), *in* H-00024

$C_{19}H_{24}O_7$
3β-Acetoxy-11β,13-epoxyepitulipinolide, *in* H-00134

$C_{19}H_{25}NO$
Drobuline, D-00603
Etoloxamine, E-00256
Hexapradol, H-00060
▷Levallorphan, L-00038

$C_{19}H_{25}NO_2$
Buphenine, B-00367
Propinetidine, P-00503
Proxorphan, P-00549

$C_{19}H_{25}NO_3$
1,2,3,4,4*a*,6,7,11*b*,12,13*a*-Decahydro-9,10-dimethoxy-13*H*-dibenzo[*a*,*f*]quinolizin-13-one, D-00034
Dopamantine, D-00578

$C_{19}H_{25}NO_3S$
Trethinium tosylate, *in* E-00222

$C_{19}H_{25}NO_4$
Salmefamol, S-00018
▷Tetramethrin, T-00143

$C_{19}H_{25}N_3$
Picoperine, P-00239

$C_{19}H_{25}N_3O$
Toprilidine, T-00383

$C_{19}H_{25}N_3OS$
▷Thiambutosine, T-00173

$C_{19}H_{25}N_3O_2S_2$
▷Dimethothiazine, D-00396

$C_{19}H_{25}N_3S$
Proquamezine, P-00521

$C_{19}H_{25}N_4O_6PS_2$
Uredofos, U-00013

$C_{19}H_{25}N_4O_7PS$
Diuredosan, D-00554

$C_{19}H_{25}N_5O_4$
Terazosin, T-00080

$C_{19}H_{26}BrNO$
Bibenzonium bromide, *in* B-00151

$C_{19}H_{26}BrNO_3S$
▷Oxitefonium bromide, *in* O-00121

$C_{19}H_{26}BrNO_4$
▷Oxitropium bromide, *in* O-00123

$C_{19}H_{26}FeO$
(3,5,5-Trimethylhexanoyl)ferrocene, T-00509

$C_{19}H_{26}I_3N_3O_9$
Iohexol, I-00117

$C_{19}H_{26}NO^{\oplus}$
Bibenzonium(1+), B-00151

$C_{19}H_{26}NO_3S^{\oplus}$
Oxitefonium(1+), O-00121

$C_{19}H_{26}NO_4^{\oplus}$
Oxitropium(1+), O-00123

$C_{19}H_{26}N_2O$
▷Naftypramide, N-00027

$C_{19}H_{26}N_2O_3$
Benolizime, *in* D-00034
Isoxaprolol, I-00215

$C_{19}H_{26}N_2O_3S_2$
▷Multergan, *in* T-00182

$C_{19}H_{26}N_2O_4S$
Zinterol, Z-00022

$C_{19}H_{26}N_2O_5S$
Mesuprine, M-00142

$C_{19}H_{26}N_2S$
Pergolide, P-00119

$C_{19}H_{26}N_4O_4$
Piquizil, P-00312

$C_{19}H_{26}N_4O_5$
Hoquizil, H-00089

$C_{19}H_{26}O_2$
17-Hydroxy-1,4-androstadien-3-one, H-00108
17-Methylestra-1,3,5(10)-triene-3,17-diol, *in* O-00028

$C_{19}H_{26}O_3$
▷Allethrin, A-00124
Epimestrol, E-00080
1,9-Heptadecadiene-4,6-diyne-3,8-diol; 3-Ac, *in* H-00028
1,9-Heptadecadiene-4,6-diyne-3,8-diol; 8-Ac, *in* H-00028

$C_{19}H_{26}O_4$
Tocamphyl, *in* T-00508

$C_{19}H_{26}O_6$
Eriolanin, E-00109

$C_{19}H_{26}O_7$
▷Diacetoxyscirpenol, *in* A-00386
Helenalin; 2β-Hydroxy, 2,3,11α,13-tetrahydro, methacryloyl, *in* H-00024

$C_{19}H_{27}ClO_2$
Clostebol, C-00506

$C_{19}H_{27}FN_2O_3$
▷Carperone, C-00093

$C_{19}H_{27}NO$
Ciprefadol, C-00387
▷Pentazocine, P-00093

$C_{19}H_{27}NO_3$
▷Tetrabenazine, T-00102

$C_{19}H_{27}NO_4$
Cinoctramide, C-00374
▷Drotebanol, D-00612

$C_{19}H_{27}NO_4S$
Emilium tosylate, *in* E-00199

$C_{19}H_{27}NO_5S$
Mefenidramium metilsulfate, *in* M-00064

$C_{19}H_{27}N_3O_4S$
Amantocillin, A-00164

$C_{19}H_{27}N_3O_5$
Murocainide, M-00471

$C_{19}H_{27}N_5$
Dapiprazole, D-00013

$C_{19}H_{27}N_5O_3$
Bunazosin, B-00361

$C_{19}H_{27}N_5O_4$
Alfuzosin, A-00112

$C_{19}H_{27}O_8P$
Antibiotic PD 113270, *in* F-00260

$C_{19}H_{27}O_9P$
Fostriecin, F-00260

$C_{19}H_{27}O_{10}P$
Antibiotic PD 113271, *in* F-00260

$C_{19}H_{28}BrNO_3$
Glycopyrronium bromide, *in* G-00070

$C_{19}H_{28}ClN_3$
▷Methylchloroquine, M-00240

$C_{19}H_{28}ClN_5O$
Etoperidone, E-00261

$C_{19}H_{28}Cl_2N_2O_3$
Phenaline, P-00140

$C_{19}H_{28}Cl_2N_2O_3S$
Phenamet, P-00142

$C_{19}H_{28}NO_3^{\oplus}$
Glycopyrronium(1+), G-00070

$C_{19}H_{28}N_2$
▷α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile, B-00431
▷Iprindole, I-00157

$C_{19}H_{28}N_2O_3$
Irolapride, I-00172
Tetrabenazine; Oxime, *in* T-00102

$C_{19}H_{28}N_2O_4$
2-(Acetyloxy-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-acetamide, *in* R-00097
Carpindolol, C-00096

$C_{19}H_{28}N_4O_2S$
Etisulergine, E-00243

$C_{19}H_{28}N_4O_6S_2$
▷Cefathiamidine, C-00116

$C_{19}H_{28}N_6O_8S_2$
▷Quinapyramine, *in* A-00207

$C_{19}H_{28}O_2$
▷Benorterone, B-00056
3-Hydroxy-5-androsten-17-one, H-00110
17-Hydroxy-4-androsten-3-one, H-00111
Normethandrone, N-00221

$C_{19}H_{28}O_5S$
3-(Sulfooxy)androst-5-en-17-one, *in* H-00110

$C_{19}H_{28}O_{12}$
Gluconic acid; Propyl ester, 2,3,4,5,6-penta-Ac, *in* G-00055

Isopropyl 2,3,4,5,6-penta-*O*-acetyl-D-gluconate, *in* G-00055

$C_{19}H_{29}BrO_3$
6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one, B-00303

$C_{19}H_{29}IO_2$
▷Iophendylate, I-00127

$C_{19}H_{29}NO$
Cycrimine, C-00641
▷Procyclidine, P-00455

$C_{19}H_{29}NO_2$
Bornaprolol, B-00256

$C_{19}H_{29}NO_3$
Cyclodrine, C-00601
Nafetolol, N-00015

$C_{19}H_{29}NO_4$
Perfomedil, P-00118

$C_{19}H_{29}NO_5$
Burodiline, B-00376
Dipivefrin, D-00518

$C_{19}H_{29}N_3O$
▷Pamaquine, P-00007

$C_{19}H_{29}N_3O_2$
Amindocate, A-00199

$C_{19}H_{29}N_5O_2$
Gepirone, G-00019
Loxtidine, L-00109

$C_{19}H_{29}O_5P$
Testosterone phosphate, *in* H-00111

$C_{19}H_{30}ClNO_2$
Chlorosyl, *in* C-00632

$C_{19}H_{30}NO_2$
Peimunine, P-00051

$C_{19}H_{30}NO_2^{\oplus}$
(4-Cyclopentyl-4-hydroxy-3-oxo-4-phenylbutyl)-ethyldimethylammonium(1+), C-00632

$C_{19}H_{30}N_2O_2$
Benrixate, B-00062
Bietamiverine, B-00160
▷Camiverine, C-00021

$C_{19}H_{30}N_2O_3$
▷Fenalamide, F-00033

$C_{19}H_{30}N_2O_5S$
Moveltipril, M-00457

$C_{19}H_{30}N_2O_6S$
Tisocromide, T-00324

$C_{19}H_{30}OS$
2,3-Epithioandrostan-17-ol, E-00086

$C_{19}H_{30}O_2$
Androst-5-en-3,16-diol, A-00382
Androst-5-ene-3,17-diol, A-00383
17-Hydroxy-3-androstanone, H-00109

$C_{19}H_{30}O_3$
▷Oxandrolone, O-00086

$C_{19}H_{30}O_4$
2,5-Dihydroxy-3-undecyl-1,4-benzoquinone; Di-Me ether, *in* D-00356

$C_{19}H_{30}O_5$
Idebenone, I-00017
▷Piperonyl butoxide, P-00293

$C_{19}H_{31}NO$
Bencyclane, B-00042

$C_{19}H_{31}NO_2$
3-Amino-2-hydroxyandrostan-17-one, A-00261

$C_{19}H_{31}NO_4$
▷4-(Decyloxy)-3,5-dimethoxybenzamide, D-00042

$C_{19}H_{31}N_7O_4$
▷Mopidamol, M-00433

$C_{19}H_{31}N_{11}O_8$
Tuberactinamine N, *in* T-00569

$C_{19}H_{32}BrNO$
Darstine, *in* M-00098

$C_{19}H_{32}BrNO_2$
▷Valethamate bromide, *in* V-00003

$C_{19}H_{32}NO^{\oplus}$
Mepiperphenidol(1+), M-00098

$C_{19}H_{32}NO_2^{\oplus}$
Valethamate(1+), V-00003

$C_{19}H_{32}N_2$
Tedisamil, T-00050

$C_{19}H_{32}N_2O_2$
▷Camylofin, *in* D-00234

$C_{19}H_{32}N_2O_4$
▷Betoxycaine, B-00145

$C_{19}H_{32}N_2O_5$
Perindopril, *in* P-00123

$C_{19}H_{33}N$
2-(2,2-Dicyclohexylvinyl)piperidine, D-00217

$C_{19}H_{33}N_3O$
Penticainide, P-00098

$C_{19}H_{34}O_2$
2-Cyclopentene-1-tridecanoic acid; Me ester, *in* C-00627
9,12-Octadecadienoic acid; Me ester, *in* O-00007

$C_{19}H_{34}O_3$
Methoprene, M-00189

$C_{19}H_{35}ClN_2O_5S$
Mirincamycin, M-00393

$C_{19}H_{35}N$
Perhexiline, P-00120

$C_{19}H_{35}NO_2$
Dicyclomine, D-00218

$C_{19}H_{36}BrNO_2$
Sintropium bromide, *in* S-00081

$C_{19}H_{36}NO_2^{\oplus}$
Sintropium(1+), S-00081

$C_{19}H_{36}O_2$
9-Octadecenoic acid; Me ester, *in* O-00010

$C_{19}H_{37}N_5O_7$
Antibiotic G367-S_2, *in* S-00082
▷Pentisomicin, P-00099
▷Sisomicin, S-00082

$C_{19}H_{38}N_4O_{10}$
▷Gentamicin *B*, G-00017

$C_{19}H_{38}O_3$
2-Hydroxyoctadecanoic acid; Me ester, *in* H-00184

$C_{19}H_{39}N_5O_7$
4″-Demethylgentamicin C_2, *in* G-00018
▷Gentamicin C_{1a}, *in* G-00018

$C_{19}H_{40}I_2N_2$
Mebezonium iodide, *in* M-00034

$C_{19}H_{40}N_2^{\oplus\oplus}$
Mebezonium(2+), M-00034

$C_{19}H_{41}NO_4$
Myralact, *in* H-00133

$C_{19}H_{42}BrN$
▷Cetrimonium bromide, *in* H-00044

$C_{19}H_{42}ClN$
▷Cetrimonium chloride, *in* H-00044

$C_{19}H_{42}N^{\oplus}$
Hexadecyltrimethylammonium(1+), H-00044

$C_{19}H_{42}N_2O_8S_2$
▷Trimethidinium methosulphate, *in* T-00499

$C_{20}H_4Cl_4I_4O_5$
4,5,6,7-Tetrachloro-3′,6′-dihydroxy-2′,4′,5′,7′-tetraiodospiro[isobenzofuran-1(3*H*),9′-[9*H*]-xanthene]-3-one, T-00105

$C_{20}H_8I_4Na_2O_4$
▷Iodophthalein sodium, *in* T-00142

$C_{20}H_8I_4O_5$
▷Erythrosine, E-00118

$C_{20}H_{10}Br_2HgO_6$
Merbromin, M-00113

$C_{20}H_{10}Br_4O_{10}S_2$
▷Sulfobromophthalein, S-00218

$C_{20}H_{10}I_4O_4$
Tetraiodophenolphthalein, T-00142

$C_{20}H_{11}Cl_2I_2NO_3$
Salantel, S-00006

$C_{20}H_{12}O_5$
▷Fluorescein, F-00180

$C_{20}H_{12}O_8$
Bis[4-hydroxy- oxo-2*H*-1-benzopyran-3-yl]acetic acid, B-00219

$C_{20}H_{13}ClF_3NO_3$
Floxacrine, F-00127

$C_{20}H_{13}NO_2$
5,14-Dihydrobenz[5,6]isoindolo[2,1-*b*]isoquinoline-8,13-dione, D-00279

$C_{20}H_{13}N_3O_3$
▷Violacein, V-00049

$C_{20}H_{14}ClNO_4$
Sanguinarine; Chloride, *in* S-00022

$C_{20}H_{14}I_6N_2O_6$
Iodipamide, I-00097

$C_{20}H_{14}NO_4^{\oplus}$
▷Sanguinarine, S-00022

$C_{20}H_{14}O_3$
Florantyrone, F-00121

$C_{20}H_{14}O_4$
▷1,3-Benzenediol; Dibenzoyl, *in* B-00073
1,4-Benzenediol; Dibenzoyl, *in* B-00074
▷Phenolphthalein, P-00162

$C_{20}H_{14}O_8$
▷Bikaverin, B-00165

$C_{20}H_{15}Cl_3N_2OS$
Sertaconazole, S-00051

$C_{20}H_{15}NO_3$
Oxyphenisatin, O-00160

$C_{20}H_{15}NO_4$
Bisoxatin, B-00234
Phenolphthalein; Oxime, *in* P-00162

$C_{20}H_{15}N_3O_3$
Violacein; 3,3′-Dihydro, *in* V-00049

$C_{20}H_{15}N_5O_5$
Cromitrile, C-00564

$C_{20}H_{16}N_2O_2$
Xanthocillin X dimethyl ether, *in* X-00005

$C_{20}H_{16}N_2O_3$
20-Deoxycamptothecin, *in* C-00024

$C_{20}H_{16}N_2O_4$
Camptothecin, C-00024

$C_{20}H_{16}N_2O_5$
▷10-Hydroxycamptothecin, *in* C-00024
11-Hydroxycamptothecin, *in* C-00024

$C_{20}H_{16}O_2$
4-Benzylphenol; Benzoyl, *in* B-00127

$C_{20}H_{16}O_6$
▷Triacetoxyanthracene, *in* D-00310

$C_{20}H_{16}O_7$
5,7-Dihydroxy-4′-methoxyisoflavone; 5,7-Di-Ac, *in* D-00330

$C_{20}H_{16}O_8$
8-Acetyl-7,8,9,10-tetrahydro-1,6,8,10,11-pentahydroxy-5,12-naphthacenedione, *in* C-00081

$C_{20}H_{17}ClFN_3O_4$
Ethyl carfluzepate, E-00179

$C_{20}H_{17}ClN_2O_3$
Ketazolam, K-00012

$C_{20}H_{17}Cl_3N_2O_2$
Omoconazole, O-00046

$C_{20}H_{17}FO_3S$
▷Sulindac, S-00225

$C_{20}H_{17}F_3N_2O_4$
▷Floctafenine, F-00119

$C_{20}H_{17}NO_6$
▷Bicuculline, B-00156

$C_{20}H_{18}BrClN_4S$
Ciclotizolam, C-00334

$C_{20}H_{18}BrN_3$
Trypadine, *in* D-00460

$C_{20}H_{18}ClNO_4$
▷Indomethacin; Me ester, *in* I-00065

$C_{20}H_{18}ClN_3$
Dimidium(1+); Chloride, *in* D-00460

$C_{20}H_{18}Cl_2N_2O_3$
Lorazepam pivalate, *in* D-00056

$C_{20}H_{18}INO_4$
Berberine; Iodide, *in* B-00135

$C_{20}H_{18}NO_4^{\oplus}$
▷Berberine, B-00135

$C_{20}H_{18}NO_8S$
▷Berberine; Sulfate, *in* B-00135

$C_{20}H_{18}N_2O_3$
Cinnofuradione, C-00373

$C_{20}H_{18}N_2O_7S_2$
▷Aranotin, A-00436

$C_{20}H_{18}N_2S$
Citatepine, C-00401

$C_{20}H_{18}N_3^{\oplus}$
Dimidium(1+), D-00460

$C_{20}H_{18}N_3O_4S$
Dimidium(1+); Sulphate, *in* D-00460

$C_{20}H_{18}N_4O_5S_2$
▷Cephalonium, C-00175

$C_{20}H_{18}N_8O_8S_3$
Ceftiolene, C-00157

$C_{20}H_{18}O_4$
Cyclocoumarol, C-00599

$C_{20}H_{18}O_8$
Di-*p*-toluoyl tartrate, *in* T-00028

$C_{20}H_{18}O_{11}$
Guiajaverin, *in* P-00082
Polystachoside, *in* P-00082

$C_{20}H_{19}ClN_2O_3$
Pivoxazepam, P-00367

$C_{20}H_{19}Cl_2NO_3$
Benzmalecene, B-00088

$C_{20}H_{19}Cl_3N_2O_2$
Zoficonazole, Z-00026

$C_{20}H_{19}NO_3$
▷Acronycine, A-00050
▷Oxazidione, O-00097

$C_{20}H_{19}NO_5$
▷Berberine; Hydroxide, *in* B-00135
Duometacin, D-00620

$C_{20}H_{19}NO_6$
Hydrastidine, *in* H-00095
Isohydrastidine, *in* H-00095

$C_{20}H_{19}N_5O$
Acodazole, A-00045

$C_{20}H_{20}CaClO_6$
Calcium clofibrate, *in* C-00456

$C_{20}H_{20}ClN$
3-(1-Chloro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, C-00228

$C_{20}H_{20}ClNO$
Benzaprinoxide, *in* C-00228

$C_{20}H_{20}ClN_3O$
▷Amopyroquine, A-00358

$C_{20}H_{20}ClN_3O_3$
Tepoxalin, T-00077

$C_{20}H_{20}ClN_5O_3S_2$
Suriclone, S-00278

$C_{20}H_{20}Cl_2MgO_6$
Magnesium clofibrate, *in* C-00456

$C_{20}H_{20}F_2N_4$
Liroldine, L-00056

$C_{20}H_{20}N_2$
Milverine, M-00379

$C_{20}H_{20}N_2O_2$
Befuraline, B-00028
▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235

$C_{20}H_{20}N_2O_3$
Denpidazone, D-00075
Elliptinium acetate, *in* E-00028

$C_{20}H_{20}N_2O_4$
Leniquinsin, L-00023

$C_{20}H_{20}N_6O_7S_4$
Cefodizime, C-00134

$C_{20}H_{20}N_6O_9S$
Latamoxef, L-00012

$C_{20}H_{20}O_3$
Derricidin, *in* D-00347
Equilenin; Ac, *in* E-00098

$C_{20}H_{20}O_4$
Glabridin, G-00026
M&B 744, *in* S-00153

$C_{20}H_{21}AlCl_2O_7$
Aluminum clofibrate, *in* C-00456

$C_{20}H_{21}ClN_2O_2$
Dinazafone, D-00465

$C_{20}H_{21}ClN_2O_4$
Fipexide, F-00107

$C_{20}H_{21}ClO_4$
▷Fenofibrate, *in* F-00062

$C_{20}H_{21}Cl_2NO_4$
Biclofibrate, B-00154
Lifibrate, L-00046

$C_{20}H_{21}FN_2O$
Citalopram, C-00400

$C_{20}H_{21}FN_8O_5$
Fluoromethotrexate, F-00187

$C_{20}H_{21}F_3N_2OS$
▷Fluacizine, F-00128

$C_{20}H_{21}F_3N_2O_3$
Flucetorex, F-00135

$C_{20}H_{21}N$
▷Cyclobenzaprine, C-00597
Octriptyline, O-00026

$C_{20}H_{21}NO$
Butinoline, B-00407
Cotriptyline, C-00554
Danitracen, D-00011

$C_{20}H_{21}NOS$
▷Tolciclate, T-00346

$C_{20}H_{21}NOS_2$
Tinofedrine, T-00295

$C_{20}H_{21}NO_2$
Moxaverine, M-00461

$C_{20}H_{21}NO_3$
▷Dimefline, D-00377
▷Mepixanox, M-00102

$C_{20}H_{21}NO_4$
▷Papaverine, P-00019

$C_{20}H_{21}NO_5$
Repirinast, R-00024

$C_{20}H_{21}NO_6$
2,3-Didemethylcolchicine, *in* C-00534

$C_{20}H_{21}N_3O$
Tris(4-aminophenyl)methanol; Me ether, *in* T-00532

$C_{20}H_{21}N_3O_3$
▷Moquizone, M-00436

$C_{20}H_{21}N_3O_7S$
Ampiroxicam, A-00370

$C_{20}H_{21}N_7O_6S_2$
Ceforanide, C-00137

$C_{20}H_{22}ClN$
Pyrrobutamine, P-00594

$C_{20}H_{22}ClN_3$
Dorastine, D-00583

$C_{20}H_{22}ClN_3O$
Amodiaquine, A-00353

$C_{20}H_{22}ClN_3O_4$
Peralopride, P-00112

$C_{20}H_{22}ClN_5O_2$
Azapride, A-00505

$C_{20}H_{22}Cl_2N_2O_4$
Dulozafone, D-00619

$C_{20}H_{22}F_3N_3O_3$
4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, M-00270

$C_{20}H_{22}N_2$
Azatadine, A-00512
Erizepine, E-00111

$C_{20}H_{22}N_2O_2$
Metoxepin, M-00338

$C_{20}H_{22}N_2O_4$
Ornithine; N^{α},N^{δ}-Dibenzoyl, Me ether, *in* O-00059

$C_{20}H_{22}N_2S$
▷Mequitazine, M-00109

$C_{20}H_{22}N_4O$
▷Difenamizole, D-00262

$C_{20}H_{22}N_4O_4$
Arginine; *N*,*N'*-Dibenzoyl, *in* A-00441

$C_{20}H_{22}N_4O_4S$
Cefrotil, C-00148

$C_{20}H_{22}N_4O_5$
Camostat, C-00022

$C_{20}H_{22}N_4O_6S$
▷Febantel, F-00021

$C_{20}H_{22}N_4O_6S_2$
Vanyldisulfamide, V-00010

$C_{20}H_{22}N_4O_{10}S$
Cefuroxime axetil, *in* C-00161

$C_{20}H_{22}N_8O_5$
▷Methotrexate, M-00192

$C_{20}H_{22}O_2$
Dienestrol; Di-Me ether, *in* D-00223
▷Norgestrienone, N-00219

$C_{20}H_{22}O_3$
▷Nafenopin, N-00014

$C_{20}H_{22}O_4$
1,4:3,6-Dianhydroglucitol; 2,5-Dibenzyl, *in* D-00144

$C_{20}H_{22}O_5$
Agrimonolide; Di-*O*-Me, *in* A-00084

$C_{20}H_{22}O_6$
1,3:2,4-Di-*O*-benzylidene-D-glucitol, *in* G-00054
2,3:4,5-Di-*O*-benzylidene-D-glucitol, *in* G-00054
Mannitol; 2,3:4,5-Di-*O*-benzylidene, *in* M-00018

$C_{20}H_{22}O_8S_2$
1,4:3,6-Dianhydroglucitol; 2,5-Ditosyl, *in* D-00144

$C_{20}H_{22}O_9$
Trichocarpin, *in* D-00316

$C_{20}H_{22}O_{10}$
Polydine, *in* P-00081

$C_{20}H_{23}BrClN_3O_2$
Broclepride, B-00274

$C_{20}H_{23}ClN_2O_3$
Indopanolol, I-00066

$C_{20}H_{23}ClN_4O_2$
Clonitazene, C-00478

$C_{20}H_{23}ClO_2$
▷Ethynerone, E-00226

$C_{20}H_{23}ClO_3$
Beclobrate, *in* B-00023

$C_{20}H_{23}Cl_2N_3O_2$
Peraclopone, P-00110

$C_{20}H_{23}N$
▷3-(10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, *in* N-00224
Litracen, L-00061
▷Maprotiline, M-00021

$C_{20}H_{23}NO$
▷Amitryptylinoxide, *in* N-00224
Nafenodone, N-00013
Oxaprotiline, O-00092
Quifenadine, Q-00006

$C_{20}H_{23}NO_2$
▷Amolanone, A-00355
Ciheptolane, C-00340
Dioxadrol, D-00472
α,α-Diphenyl-4-piperidinemethanol; *N*-Ac, *in* D-00506

$C_{20}H_{23}NO_2S$
Methixene; *S*,*S*-Dioxide, *in* M-00185

$C_{20}H_{23}NO_3$
Triclazate, T-00447

$C_{20}H_{23}NO_4$
▷Naltrexone, N-00034
▷Thebacon, T-00161

$C_{20}H_{23}NO_5$
▷Cyproquinate, C-00650
2-Demethyldemecolcine, *in* D-00062
3-Demethyldemecolcine, *in* D-00062
O,N-Diacetyl-N-demethylgalanthamine, *in* G-00002

$C_{20}H_{23}NO_6$
Bendacalol, B-00043

$C_{20}H_{23}NS$
▷Methixene, M-00185

$C_{20}H_{23}N_2OS^{\oplus}$
Propyromazine(1+), P-00520

$C_{20}H_{23}N_3$
Cianopramine, C-00320
Fezolamine, F-00100
Nitramidine, *in* N-00168

$C_{20}H_{23}N_3OS$
Sopitazine, S-00101

$C_{20}H_{23}N_3O_2$
Oxiperomide, O-00117

$C_{20}H_{23}N_3O_4$
Epanolol, E-00071

$C_{20}H_{23}N_5O$
Metrazifone, M-00341

$C_{20}H_{23}N_5O_2$
Trazolopride, T-00406

$C_{20}H_{23}N_5O_3$
1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea; Et ester; B,2HCl, *in* P-00584

$C_{20}H_{23}N_5O_6S$
Azlocillin, A-00529

$C_{20}H_{23}N_5S$
Timegadine, T-00282

$C_{20}H_{23}N_7O_6$
Chryscandin, C-00313

$C_{20}H_{24}BrNO_3$
Benzopyrronium bromide, *in* B-00095

$C_{20}H_{24}ClNO$
▷Cloperastine, C-00482

$C_{20}H_{24}ClNO_2$
▷Metofoline, M-00328

$C_{20}H_{24}ClN_3O_2$
Clebopride, C-00414

$C_{20}H_{24}ClN_3S$
▷Prochlorperazine, P-00450

$C_{20}H_{24}Cl_2N_{10}$
Picloxydine, P-00236

$C_{20}H_{24}FN_3O_2$
Flupranone, F-00205

$C_{20}H_{24}FN_3O_4S$
Flubepride, F-00134

$C_{20}H_{24}F_2O_2$
17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one, E-00229

$C_{20}H_{24}F_3N_3OS_2$
Flutizenol, F-00229

$C_{20}H_{24}N^{\oplus}$
Diphemanil (1+), D-00482

$C_{20}H_{24}NO_3^{\oplus}$
Benzopyrronium(1+), B-00095
Thebaine N-metho salt, *in* T-00162

$C_{20}H_{24}N_2$
▷Dimethindene, D-00391
Elantrine, E-00021
Enprazepine, E-00065

$C_{20}H_{24}N_2O$
Indecainide, I-00054
Ubisindine, U-00001

$C_{20}H_{24}N_2OS$
Botiacrine, B-00260
Cinanserin, C-00355
▷Lucanthone, L-00110
Propiomazine, P-00504

$C_{20}H_{24}N_2O_2$
11-Methoxyeburnamonine, *in* E-00003
Quinicine, Q-00026
▷Quinidine, Q-00027
▷Quinine, Q-00028

$C_{20}H_{24}N_2O_2S$
▷Hycanthone, H-00093

$C_{20}H_{24}N_2O_3$
Nofecainide, N-00197
Yohimbic acid, Y-00001

$C_{20}H_{24}N_2O_5$
Codoxime, C-00527
Diamphenethide, D-00141
Medroxalol, M-00058

$C_{20}H_{24}N_2O_6$
Nisoldipine, N-00159

$C_{20}H_{24}N_2S_2$
▷Metitepine, M-00324

$C_{20}H_{24}O_2$
Dimestrol, *in* D-00257
▷17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol, E-00231

$C_{20}H_{24}O_3$
Estrone acetate, *in* O-00031
Jatrophone, J-00002
Trenbolone acetate, *in* T-00410

$C_{20}H_{24}O_4$
2β-Hydroxy-5,6-isojatrophone, *in* J-00002
2α-Hydroxyjatrophone, *in* J-00002
Jatrophone; 2β-Hydroxy, *in* J-00002

$C_{20}H_{24}O_5$
8-Epihelanalin tiglate, *in* H-00024
▷Terbufibrol, T-00083

$C_{20}H_{24}O_6$
3,3′,4′,5,7-Pentamethoxyflavan, *in* P-00081
▷Triptolide, T-00530

$C_{20}H_{24}O_7$
Euparotin, E-00273
Eupatundin, E-00275

$C_{20}H_{24}O_8$
Eupatoroxin, E-00274

$C_{20}H_{25}BrN_4O$
Bromerguride, B-00288

$C_{20}H_{25}ClN_2O$
Spiclamine, S-00113

$C_{20}H_{25}ClN_2O_2$
▷Mefeclorazine, M-00061

$C_{20}H_{25}ClN_2O_5$
Amlodipine, A-00351

$C_{20}H_{25}ClN_4OS$
▷Cloxypendyl, C-00520

$C_{20}H_{25}ClO_3$
Amadinone, A-00161

$C_{20}H_{25}ClO_7$
Eupachlorin, E-00270

$C_{20}H_{25}ClO_8$
Eupachloroxin, E-00271

$C_{20}H_{25}Cl_3O_3$
Cloxestradiol, C-00518

$C_{20}H_{25}FN_4O$
▷Niaprazine, N-00083

$C_{20}H_{25}N$
Fenpiprane, F-00071
1-Isopropyl-4,4-diphenylpiperidine, I-00206

$C_{20}H_{25}NO$
▷6-Dimethylamino-4,4-diphenyl-3-hexanone, D-00407
▷2-(Diphenylmethyl)-1-piperidineethanol, D-00499
▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
Perastine, P-00114
Talopram, T-00014

$C_{20}H_{25}NOS$
Thiphenamil, T-00215

$C_{20}H_{25}NO_2$
▷Adiphenine, A-00072
▷Dienogest, D-00224
Estrazinol, E-00128
Femoxetine, F-00030
▷Fomocaine, F-00241
Ketorfanol, K-00018
Propanocaine, P-00490

$C_{20}H_{25}NO_3$
▷Benactyzine, B-00034
▷Difemerine, D-00261
Dimenoxadole, D-00380

$C_{20}H_{25}NO_5$
Poskine, P-00390

$C_{20}H_{25}NS$
Talsupram, T-00017

$C_{20}H_{25}N_3$
Isonitrarine, *in* N-00168
Nitrarine, N-00168

$C_{20}H_{25}N_3O$
▷Lysergide, L-00122
Octrizole, O-00027

$C_{20}H_{25}N_3O_2$
▷Methylergometrine, M-00254
Propisergide, P-00506

$C_{20}H_{25}N_3O_3$
Imoxiterol, I-00043

$C_{20}H_{25}N_3O_4$
Cinoxopazide, C-00379

$C_{20}H_{25}N_3S$
▷Perazine, P-00116

$C_{20}H_{25}N_5O_3S$
Donetidine, D-00577

$C_{20}H_{26}Br_2N_2O$
Adamexine, A-00065

$C_{20}H_{26}ClNO$
Clofenetamine, C-00452

$C_{20}H_{26}ClNO_3$
Adafenoxate, A-00061
▷Lachesine chloride, *in* L-00002

$C_{20}H_{26}ClNO_5$
Cloricromen, C-00497

$C_{20}H_{26}ClN_3O_2$
Piclopastine, P-00235

$C_{20}H_{26}I_3N_3O_{12}$
Iogulamide, I-00116

$C_{20}H_{26}NO_3$
▷Lachesine(1+), L-00002

$C_{20}H_{26}N_2$
▷Dimetacrine, D-00387
Mimbane, M-00380
▷Trimipramine, T-00516

$C_{20}H_{26}N_2O$
Anilopam, A-00391
Ibogaine, I-00004
Viqualine, V-00053

$C_{20}H_{26}N_2O_2$
▷Ajmaline, A-00088

Epsiprantel, E-00095
▷Hydroquinidine, *in* Q-00027
Hydroquinine, *in* Q-00028
Sandwicine, *in* A-00088
Veradoline, V-00017
Verilopam, V-00021

$C_{20}H_{26}N_2O_3$
Ajmalinol, *in* A-00088
Cilostamide, C-00346
Disoxaril, D-00538

$C_{20}H_{26}N_2O_4$
Ronactolol, R-00083

$C_{20}H_{26}N_2O_5S$
Alacepril, A-00090

$C_{20}H_{26}N_2O_5S_2$
Spiraprilat, S-00118

$C_{20}H_{26}N_2S$
Etymemazine, E-00266

$C_{20}H_{26}N_4O$
Lysuride, L-00124

$C_{20}H_{26}N_4OS$
Oxypendyl, O-00156

$C_{20}H_{26}N_4O_2$
Hexamidine, H-00058
Neraminol, N-00073

$C_{20}H_{26}N_4O_5S$
▷Glisolamide, G-00047
Niperotidine, N-00153

$C_{20}H_{26}O_2$
Benzestrol, B-00077
3,4-Bis(4-hydroxyphenyl)hexane; Di-Me ether, *in* B-00220
3,4-Bis(4-hydroxyphenyl)hexane; Di-Me ether, *in* B-00220
1-Methylandrosta-1,4-diene-3,17-dione, M-00223
▷Norethisterone, N-00212
▷Norethynodrel, N-00213
Promethoestrol, P-00479

$C_{20}H_{26}O_3$
17-Hydroxy-19-norpregna-4,6-diene-3,20-dione, H-00183
Taxodione, T-00035

$C_{20}H_{26}O_4$
11,14-Dihydroxy-7,9(11),13-abietatriene-6,12-dione, *in* T-00035

$C_{20}H_{26}O_5$
Helenalin; 11α,13-Dihydro, tigloyl, *in* H-00024
Helenalin; 11α,13-Dihydro, senecioyl, *in* H-00024
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; 8-(2-Hydroxymethyl-2*E*-butenoyl), *in* H-00134
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; 4α,5β-Epoxide, 8-tiglyl, *in* H-00134

$C_{20}H_{26}O_6$
Helenalin; 11α,13-Dihydro, [2-(1-hydroxyethyl)-acryloyl], *in* H-00024

$C_{20}H_{27}BrN_2O$
▷Ambutonium bromide, *in* A-00175

$C_{20}H_{27}BrN_2O_2S$
▷Dotefonium bromide, *in* D-00587

$C_{20}H_{27}ClO_3$
17-(Acetyloxy)-4-chloroestr-4-en-3-one, *in* C-00242

$C_{20}H_{27}Cl_2N_3O_9$
Chloramphenicol pantothenate, *in* C-00195

$C_{20}H_{27}FN_2O_3$
Cicarperone, C-00324

$C_{20}H_{27}IN_2O$
Ambutonium iodide, *in* A-00175

$C_{20}H_{27}N$
N-Ethyl-3,3′-diphenyldipropylamine, E-00184
Terodiline, *in* D-00489

$C_{20}H_{27}NO$
Treptilamine, T-00414

$C_{20}H_{27}NO_2$
Fenalcomine, F-00034
▷Oxilorphan, O-00114
Vetrabutine, V-00027

$C_{20}H_{27}NO_3$
Norsongorine, *in* S-00100
▷Trilostane, T-00489

$C_{20}H_{27}NO_4$
Bevantolol, B-00146
14-Hydroxyhetisine, H-00136
Prampine, *in* T-00554

$C_{20}H_{27}NO_4S$
Sulfinalol, S-00214

$C_{20}H_{27}NO_5$
Buquinolate, B-00373
▷Chromonar, C-00312

$C_{20}H_{27}N_2O^{\oplus}$
▷Ambutonium(1+), A-00175

$C_{20}H_{27}N_2O_2S^{\oplus}$
Dotefonium(1+), D-00587

$C_{20}H_{27}N_3O_5$
Cilazaprilat, C-00343

$C_{20}H_{27}N_3O_6$
▷Febarbamate, F-00022
Imidapril, I-00029

$C_{20}H_{27}N_3O_8$
SKF 9976, *in* O-00130

$C_{20}H_{27}N_5O_2$
Cilostazol, C-00347

$C_{20}H_{27}N_5O_3$
▷Bamifylline, B-00011

$C_{20}H_{27}N_5O_5S$
▷Glisoxepide, G-00048

$C_{20}H_{28}BrN$
▷Emepronium bromide, *in* E-00035

$C_{20}H_{28}BrNO_3$
Ulcyn, *in* E-00047

$C_{20}H_{28}Cl_4N_2O_4$
Teclozan, T-00048

$C_{20}H_{28}INO$
Emetonium iodide, *in* E-00037

$C_{20}H_{28}I_3N_3O_9$
Iopentol, I-00126

$C_{20}H_{28}I_3N_3O_{13}$
▷Ioglucomide, I-00113

$C_{20}H_{28}N^{\oplus}$
Emepronium(1+), E-00035

$C_{20}H_{28}NO^{\oplus}$
Emetonium(1+), E-00037

$C_{20}H_{28}NO_3^{\oplus}$
Endobenzyline(1+), E-00047

$C_{20}H_{28}N_2O$
Pytamine, P-00601

$C_{20}H_{28}N_2O_3$
Oxyphencyclimine, O-00159

$C_{20}H_{28}N_2O_5$
Enalapril, *in* E-00043

$C_{20}H_{28}N_2O_6$
Cinepazet, *in* C-00362

$C_{20}H_{28}N_4O$
Terguride, T-00090

$C_{20}H_{28}N_4O_6$
Pirogliride tartrate, *in* P-00345

$C_{20}H_{28}N_4O_8S_2$
Stilbamidine isetionate, *in* S-00153

$C_{20}H_{28}O$
▷Cingestol, C-00367
▷Lynoestrenol, L-00121
1-Methylandrosta-4,16-dien-3-one, M-00224
Tigestol, T-00269
Vitamin A_2, *in* V-00058

$C_{20}H_{28}O_2$
▷Ethynodiol, E-00227
11-Hydroxy-17,17-dimethyl-18-norandrosta-4,13-dien-3-one, H-00124
▷Methandienone, M-00167
Norgesterone, N-00215
▷Norvinisterone, N-00225
2-Oxoferruginol, *in* F-00095
Retinoic acid, R-00033

$C_{20}H_{28}O_3$
4,17-Dihydroxy-17-methyl-1,4-androstadien-3-one, D-00331
Gestronol, G-00023
17-Hydroxy-4-oestren-3-one; Ac, *in* H-00185
Taxodone, T-00036

$C_{20}H_{28}O_3S$
Sodium dibunate, *in* D-00173

$C_{20}H_{28}O_6$
Eriolangin, E-00108

$C_{20}H_{28}O_6S$
Tiaprost, T-00244

$C_{20}H_{29}ClO_4$
Arildone, A-00444

$C_{20}H_{29}FO_3$
▷Fluoxymesterone, F-00195

$C_{20}H_{29}NO$
Gemazocine, G-00014
Ibazocine, I-00003

$C_{20}H_{29}NO_2$
Bremazocine, B-00268

$C_{20}H_{29}NO_3$
Ipragratine, I-00153
Propenzolate, P-00497

$C_{20}H_{29}NO_4$
Fedrilate, F-00027

$C_{20}H_{29}NO_6S$
Sultroponium, S-00265

$C_{20}H_{29}N_3$
Atiprosine, A-00470

$C_{20}H_{29}N_3O_2$
▷Cinchocaine, C-00357

$C_{20}H_{29}N_3O_4S$
Tinisulpride, T-00294

$C_{20}H_{29}N_5O_3$
▷Buquineran, B-00372
▷Urapidil, U-00010

$C_{20}H_{29}N_5O_4$
Dramedilol, D-00599

$C_{20}H_{29}N_5O_6$
Trimazosin, T-00490

$C_{20}H_{30}BrNO_2$
Cyclopyrronium bromide, *in* C-00637

$C_{20}H_{30}BrNO_3$
Hexopyrronium bromide, *in* H-00069
Ipratropium bromide, *in* I-00155

$C_{20}H_{30}NO_2^{\oplus}$
Cyclopyrronium(1+), C-00637

$C_{20}H_{30}NO_3^{\oplus}$
Hexopyrronium(1+), H-00069
Ipratropium(1+), I-00155

$C_{20}H_{30}N_2O_2$
Dipiproverine, D-00517
▷Furazabol, F-00283

$C_{20}H_{30}N_2O_3$
Morpheridine, M-00447

$C_{20}H_{30}O$
Ferruginol, F-00095
▷Vitamin A_1, V-00058

$C_{20}H_{30}O_2$
16-Hydroxyferruginol, *in* F-00095
▷17β-Hydroxy-17α-methyl-4-androsten-3-one, H-00154
Methenolone, M-00178
Metogest, M-00329
▷Mibolerone, M-00361
▷Norethandrolone, N-00211
Oxendolone, O-00102
Oxogestone, O-00129
Stenbolone, S-00144
3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid, T-00147

$C_{20}H_{30}O_3$
Oxymesterone, O-00152
Steviol, S-00147

$C_{20}H_{30}O_4$
2,5-Dihydroxy-3-undecyl-1,4-benzoquinone; 2-Ac, 5-Me ether, *in* D-00356
15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid, H-00187

$C_{20}H_{30}O_4S$
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087

$C_{20}H_{30}O_5$
11,15-Dihydroxy-9-oxo-5-prosten-13-ynoic acid, D-00343

$C_{20}H_{30}O_6$
Anguidol; 4,15-Di-Ac, 8α-(3-methylbutyryloxy), *in* A-00386

$C_{20}H_{31}NO$
Benzhexol, B-00081

$C_{20}H_{31}NO_2$
▷Drofenine, D-00606
▷Metcaraphen, M-00158

$C_{20}H_{31}NO_2S$
Cetiedil, C-00183

$C_{20}H_{31}NO_3$
Carbetapentane, C-00046

$C_{20}H_{31}N_3O_6S$
Bacmecillinam, B-00004

$C_{20}H_{31}N_5O_3S$
Sufotidine, S-00179

$C_{20}H_{32}ClNO$
▷Tricyclamol chloride, *in* P-00455

$C_{20}H_{32}N_2O_3$
Ethyl 4-(2-methoxyphenyl)-1-piperazineheptanoate, E-00201

$C_{20}H_{32}N_4O_7$
Cytosamine; 4*N*-Benzoyl, *in* C-00666

$C_{20}H_{32}N_6O_6$
▷Bimolane, B-00166

$C_{20}H_{32}O$
Bolenol, B-00249
▷Ethyloestrenol, E-00213

$C_{20}H_{32}O_2$
▷17-Hydroxy-2-methylandrostan-3-one, H-00153
8,11,14,18-Icosatetraenoic acid, I-00012
▷Mestanolone, M-00136
Mesterolone, M-00137
▷17-Methylandrost-5-ene-3,17-diol, M-00225

$C_{20}H_{32}O_3S_2$
9,11-Epidithio-15-hydroxy-5,13-prostadienoic acid, E-00079

$C_{20}H_{32}O_5$
9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid, D-00338
11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339
9,11-Epidioxy-15-hydroxy-5,13-prostadienoic acid, E-00077
Prostacyclin, P-00528

$C_{20}H_{32}O_6$
9,11-Epidioxy-15-hydroperoxy-5,13-prostadienoic acid, E-00076
8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one, E-00090

$C_{20}H_{33}NO_2$
3-Amino-2-hydroxyandrostan-17-one; *N*-Me, *in* A-00261

$C_{20}H_{33}NO_3$
▷Ganglefene, G-00010
▷Oxeladin, O-00101

$C_{20}H_{33}NO_4S$
Tilsuprost, T-00279

$C_{20}H_{33}NO_6S$
1,1-Dimethyl-4-[(3-methyl-1-oxo-2-phenylpentyl)oxy]-piperidinium sulfate, *in* P-00091

$C_{20}H_{33}N_2O^{\oplus}$
▷Hexocyclium(1+), H-00067

$C_{20}H_{33}N_3O_3$
▷Talinolol, T-00008

$C_{20}H_{33}N_3O_4$
Celiprolol, C-00163

$C_{20}H_{33}N_5O_{11}$
Antibiotic FK 156, A-00406

$C_{20}H_{34}AuO_9PS$
Auranofin, A-00475

$C_{20}H_{34}N_4O_{12}$
Temurtide, T-00065

$C_{20}H_{34}O_2$
1,1′-Bisisomenthone, B-00224
Plaunotol, P-00373

$C_{20}H_{34}O_3$
3-Deoxyaphidicolin, *in* A-00422

$C_{20}H_{34}O_4$
▷Aphidicolin, A-00422

$C_{20}H_{34}O_5$
9,11-Dihydroxy-15-oxo-5-prostenoic acid, D-00340
11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341
11,16-Dihydroxy-9-oxo-13-prostenoic acid, D-00342
9,11-Epidioxy-15-hydroxy-13-prosten-1-oic acid, E-00078
6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid, E-00089
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483

$C_{20}H_{34}O_6$
9,11,15,19-Tetrahydroxy-5,13-prostadienoic acid, T-00139

$C_{20}H_{34}O_6S$
Entsufon, E-00069

$C_{20}H_{35}NOS$
Suloctidil, S-00231

$C_{20}H_{35}NO_2$
Dihexyverine, D-00276
Dopropidil, D-00582

$C_{20}H_{35}NO_2S$
Tipropidil, T-00317

$C_{20}H_{36}N_6O$
Lauroguadine, L-00016

$C_{20}H_{36}O_2$
Antileprol, *in* C-00627
9,12-Octadecadienoic acid; Et ester, *in* O-00007

$C_{20}H_{36}O_5$
9,11,15-Trihydroxyprost-13-enoic acid, T-00484

$C_{20}H_{36}O_7$
Norcaperatic acid, *in* C-00029

$C_{20}H_{37}NO_3$
Rociverine, R-00071

$C_{20}H_{37}N_3O_{13}$
▷Destomycin *A*, *in* D-00103

$C_{20}H_{37}N_7O_{12}$
N-Demethylstreptomycin, *in* S-00161

$C_{20}H_{38}BrNO_2$
▷Dipenine bromide, *in* D-00480

$C_{20}H_{38}I_2O_2$
Iodetryl, *in* D-00361

$C_{20}H_{38}NO_2^{\oplus}$
Dipenine(1+), D-00480

$C_{20}H_{38}N_2O_6S$
4′-Depropyl-4′-pentyllincomycin, *in* L-00051

$C_{20}H_{38}N_8S_2$
▷Bitipazone, B-00240

$C_{20}H_{38}O_2$
9-Octadecenoic acid; Et ester, *in* O-00010

$C_{20}H_{38}O_7S$
Bis(2-ethylhexyl)sulfosuccinic acid, B-00210

$C_{20}H_{39}N_5O_7$
▷Antibiotic G 52, *in* S-00082
Etisomicin, E-00242

$C_{20}H_{39}N_5O_{11}$
Antibiotic NK 1013-2, *in* K-00005

$C_{20}H_{40}N_2O_{12}$
Hexamethonium tartrate, *in* H-00055

$C_{20}H_{40}O_3$
2-Hydroxyoctadecanoic acid; Et ester, *in* H-00184

$C_{20}H_{41}NO$
Octadecylamine; *N*-Ac, *in* O-00012

$C_{20}H_{41}N_5O_6$
5-Deoxygentamicin C_{2b}, *in* G-00018

$C_{20}H_{41}N_5O_7$
4″-Demethylgentamicin C_1, *in* G-00018
▷Gentamicin C_2, *in* G-00018
▷Gentamicin C_{2b}, *in* G-00018

$C_{20}H_{41}N_5O_8$
2-Hydroxysagamicin, *in* G-00018

$C_{20}H_{43}N$
▷*N*,*N*-Dimethyl-1-octadecanamine, *in* O-00012

$C_{20}H_{44}BrN$
▷Cetylcide, *in* E-00182

$C_{20}H_{44}N^{\oplus}$
N-Ethyl-*N*,*N*-dimethyl-1-hexadecanaminium, E-00182

$C_{21}H_{13}F_3N_2O_4$
▷Talniflumate, T-00013

$C_{21}H_{14}N_2O_4$
Sanguinarine; Pseudocyanide, *in* S-00022

$C_{21}H_{14}O_5$
Fluorescein; Me ether, *in* F-00180
Fluorescein; Me ester, *in* F-00180

$C_{21}H_{14}O_8$
Bis[4-hydroxy-2-oxo-2*H*-1-benzopyran-3-yl]acetic acid; Me ester, *in* B-00219

$C_{21}H_{16}N_2$
Paranyline, P-00026

$C_{21}H_{16}N_4O_8S_2$
Nitrocefin, N-00173

$C_{21}H_{16}O_3$
Benzoin; Benzoyl, *in* B-00093

$C_{21}H_{16}O_4$
2-Hydroxybenzyl alcohol; Dibenzoyl, *in* H-00116
Phenolphthalein; Mono-Me ether, *in* P-00162
Phenolphthalein; Me ester (open-chain form), *in* P-00162

$C_{21}H_{16}O_7$
Cumetharol, C-00573

$C_{21}H_{17}ClN_2O$
2-Amino-5-chlorobenzoxazole; 2(*N*),3-Dibenzyl, *in* A-00225

$C_{21}H_{17}NO_9S_2$
Sulisatin, S-00226

$C_{21}H_{18}ClNO_6$
▷Acemetacin, A-00013

$C_{21}H_{18}ClN_3O_7S$
Cephoxazole, C-00179

$C_{21}H_{18}F_3N_3O_3$
Temafloxacin, T-00058

$C_{21}H_{18}N_2O_5$
9-Methoxycamptothecin, *in* C-00024
10-Methoxycamptothecin, *in* C-00024

$C_{21}H_{18}O_3$
3,4-Dibenzyloxybenzaldehyde, *in* D-00311

$C_{21}H_{18}O_5$
Warfarin; Ac, *in* W-00001

$C_{21}H_{18}O_8$
▷8-Acetyl-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* D-00019

$C_{21}H_{18}O_9$
8-(Hydroxyacetyl)-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* A-00080
Steffimycinone, *in* S-00143

$C_{21}H_{18}O_{10}$
Coumestrin, *in* C-00558

$C_{21}H_{18}O_{11}$
4,5-Dihydroxyanthraquinone-2-carboxylic acid; 8-*O*-β-D-Glucoside, *in* D-00309
4,5-Dihydroxyanthraquinone-2-carboxylic acid; 4-*O*-β-D-Glucopyranoside, *in* D-00309

$C_{21}H_{18}O_{13}$
3,3′,4′,5,7-Pentahydroxyflavone; 3-Glucuronide, *in* P-00082

$C_{21}H_{19}F_2N_3O_3$
Difloxacin, D-00268

$C_{21}H_{19}I_4NO_6$
Thyroxine; Et ester, *N*-di-Ac, *in* T-00233

$C_{21}H_{19}N$
Intriptyline, I-00088

$C_{21}H_{19}NO$
Cyprolidol, C-00649

$C_{21}H_{19}NO_2$
5-[2-(Dimethylamino)ethoxy]-7*H*-benzo[*c*]fluoren-7-one, D-00409

$C_{21}H_{19}NO_3S$
3-[(4-Aminophenyl)sulfonyl]-1,3-diphenyl-1-propanone, A-00311

$C_{21}H_{19}NO_4$
▷Cinmetacin, C-00369
Oxarbazole, O-00093

$C_{21}H_{19}N_3O_3S$
▷Amsacrine, A-00373

$C_{21}H_{20}BrN_3$
▷Homidium bromide, *in* D-00132

$C_{21}H_{20}ClNO_4$
Fagaronine; Chloride, *in* F-00009

$C_{21}H_{20}ClNS$
Nuclotixene, N-00231

$C_{21}H_{20}Cl_2N_6O_3$
Rilmazafone, R-00051

$C_{21}H_{20}Cl_2O_3$
▷Permethrin, P-00128

$C_{21}H_{20}NO_4^{\oplus}$
Fagaronine, F-00009

$C_{21}H_{20}N_2O$
Tomoxiprole, T-00378

$C_{21}H_{20}N_2O_4S$
▷Diphenicillin, D-00485

$C_{21}H_{20}N_3^{\oplus}$
▷3,8-Diamino-5-ethyl-6-phenylphenanthridinium(1+), D-00132

$C_{21}H_{20}N_4O^{\oplus\oplus}$
Quinuronium(2+), Q-00037

$C_{21}H_{20}N_6O$
▷*N*,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)urea, B-00190

$C_{21}H_{20}O_6$
6,10-Dideoxy-13-dihydrodaunomycinone, *in* D-00019

$C_{21}H_{20}O_{11}$
▷Quercitrin, *in* P-00082

$C_{21}H_{20}O_{12}$
Coptiside II, *in* P-00082
Quercimeritrin, *in* P-00082
Saxifragin, *in* P-00082

$C_{21}H_{21}ClFN_3O_2$
Alozafone, A-00145

$C_{21}H_{21}ClN_2O_2$
Iclazepam, I-00011

$C_{21}H_{21}ClN_2O_3$
Clodoxopone, C-00449

$C_{21}H_{21}ClN_2O_8$
▷6-Demethyl-7-chlorotetracycline, D-00064

$C_{21}H_{21}ClN_4O_3$
Nizofenone, N-00193

$C_{21}H_{21}ClO_3$
Clocoumarol, C-00445

$C_{21}H_{21}FN_2O_3$
▷Fludoxopone, F-00146

$C_{21}H_{21}N$
▷Cyproheptadine, C-00648
Naftifine, N-00024

$C_{21}H_{21}NO_2$
Oxetorone, O-00107

$C_{21}H_{21}NO_4$
Apomorphine; Di-Ac, *in* A-00425
Zindoxifene, Z-00020

$C_{21}H_{21}NO_6$
▷Hydrastine, H-00095

$C_{21}H_{21}NO_7$
Narcotoline, *in* N-00052

$C_{21}H_{21}N_2S_2^{\oplus}$
3-Ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)propenyl]-benzothiazolium(1+), E-00187

$C_{21}H_{21}N_3O_2$
Darenzepine, D-00015

$C_{21}H_{21}N_3O_3$
Dizatrifone, D-00559

$C_{21}H_{21}N_3O_6S$
Fumoxicillin, F-00275

$C_{21}H_{21}N_3O_9$
Nitrocycline, N-00175

$C_{21}H_{21}N_3S$
Tiomergine, T-00300

$C_{21}H_{22}ClFN_4O_2$
Halopemide, H-00012

$C_{21}H_{22}ClN_3O_3$
Axamozide, A-00489

$C_{21}H_{22}F_3N_3OS$
Ftormetazine, F-00270

$C_{21}H_{22}N_2O_2$
Apo-14,15-dehydrovincamine, *in* A-00426
▷Bufezolac, *in* D-00515
▷Strychnine, S-00167

$C_{21}H_{22}N_2O_3$
▷12-Hydroxystrychnine, *in* S-00167
15-Hydroxystrychnine, *in* S-00167
▷Strychnine N-oxide, *in* S-00167

$C_{21}H_{22}N_2O_4$
12-Hydroxystrychnine N^b-oxide, *in* S-00167

$C_{21}H_{22}N_2O_5S$
Nafcillin, N-00012

$C_{21}H_{22}N_2O_7$
6-Demethyl-6-deoxytetracycline, D-00065

$C_{21}H_{22}N_2O_8$
6-Demethyltetracycline, D-00066

$C_{21}H_{22}N_6O_5$
Methasquin, M-00174

$C_{21}H_{22}O_4$
2′-O-Methylglabridin, *in* G-00026

$C_{21}H_{22}O_6$
Wortmannin; 11-Deacetoxy, *in* W-00003

$C_{21}H_{22}O_9$
▷Barbaloin, B-00013

$C_{21}H_{23}BrFNO_2$
Bromperidol, B-00324

$C_{21}H_{23}ClFNO_2$
▷Haloperidol, H-00015

$C_{21}H_{23}ClFN_3O$
▷Flurazepam, F-00217

$C_{21}H_{23}ClFN_3OS$
Cloflumide, C-00459

$C_{21}H_{23}ClN_3O$
Alpidem, A-00148

$C_{21}H_{23}ClN_4O_2$
Cloperidone, C-00483

$C_{21}H_{23}N$
Taclamine, T-00002

$C_{21}H_{23}NO$
1,1-Diphenyl-4-piperidino-2-butyn-1-ol, D-00508
Phenoperidone, P-00166

$C_{21}H_{23}NO_2$
▷Flavamine, F-00109

$C_{21}H_{23}NO_3$
Pargeverine, P-00035
Proroxan, P-00525

$C_{21}H_{23}NO_4$
Flavodilol, F-00110

$C_{21}H_{23}NO_5$
▷Heroin, H-00034

$C_{21}H_{23}NO_5S$
Sudexanox, S-00175

$C_{21}H_{23}N_3OS$
▷Pericyazine, P-00121

$C_{21}H_{23}N_3O_7$
Amicycline, A-00189

$C_{21}H_{23}N_3O_7S$
Lenampicillin, L-00022

$C_{21}H_{24}BrN_5O$
Temelastine, T-00060

$C_{21}H_{24}ClNO$
Clobenztropine, C-00436

$C_{21}H_{24}ClNO_2$
Quillifoline, Q-00007

$C_{21}H_{24}ClNO_4S_2$
Thenium closylate, *in* T-00164

$C_{21}H_{24}ClNO_5$
▷Morclofone, M-00440

$C_{21}H_{24}ClN_3OS$
▷Pipamazine, P-00273

$C_{21}H_{24}ClN_3O_3$
Fominoben, F-00240

$C_{21}H_{24}FN_3O_2S$
Setoperone, S-00058

$C_{21}H_{24}FN_5O_3$
Flufylline, F-00149

$C_{21}H_{24}F_3N$
Fluotracen, F-00192

$C_{21}H_{24}F_3N_3S$
▷Trifluoperazine, T-00463

$C_{21}H_{24}INO_4$
Takatonine; Iodide, *in* T-00004

$C_{21}H_{24}I_3NO_4$
Thyromedan, T-00230

$C_{21}H_{24}NO_4^{\oplus}$
Takatonine, T-00004

$C_{21}H_{24}N_2$
Quinupramine, Q-00036
Trazitiline, T-00403

$C_{21}H_{24}N_2O$
Ciprafamide, C-00385

$C_{21}H_{24}N_2O_2$
Apovincamine, A-00426

$C_{21}H_{24}N_2O_3$
Ajmalicine, A-00087
Hydroxindasate, *in* H-00105
3-Isoajmalicine, *in* A-00087

$C_{21}H_{24}N_2O_4$
Cyclarbamate, C-00587
Ornithine; N^{α},N^{δ}-Dibenzoyl, Et ester, *in* O-00059

$C_{21}H_{24}N_2O_6$
Ornithine; N^{α},N^{δ}-Bis(benzyloxycarbonyl), *in* O-00059

$C_{21}H_{24}N_4O_2$
Pelanserin, P-00052

$C_{21}H_{24}N_4O_3$
3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl -2,4(1*H*,3*H*)-quinazolinedione, M-00213

$C_{21}H_{24}N_4O_3S$
Vintiamol, V-00044

$C_{21}H_{24}N_4O_5$
Cyanocycline *F*, *in* C-00583

$C_{21}H_{24}N_4O_7S$
Acefurtiamine, A-00010

$C_{21}H_{24}N_8O_5$
Aminopterin; 4-*N*-Di-Me, *in* A-00324

$C_{21}H_{24}O_2$
▷Gestrinone, G-00022

$C_{21}H_{24}O_7$
▷Visnadine, V-00057

$C_{21}H_{25}BrF_2O_5$
Halopredone, H-00016

$C_{21}H_{25}BrN_2O_3$
Brovincamine, B-00331

$C_{21}H_{25}ClN_2O_3$
Cetirizine, C-00184

$C_{21}H_{25}ClN_2O_4S$
Tianeptine, T-00240

$C_{21}H_{25}ClO_2$
6-Chloro-1,4,6-pregnatriene-3,20-dione, C-00276

$C_{21}H_{25}ClO_3$
Delmadinone, D-00054

$C_{21}H_{25}ClO_5$
6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione, C-00232
Cloprednol, C-00489

$C_{21}H_{25}FN_2O_2$
▷Fluanisone, F-00130

$C_{21}H_{25}FN_6$
Arpromidine, A-00449

$C_{21}H_{25}IN_2S$
Mequitazium iodide, *in* M-00110

$C_{21}H_{25}N$
▷Melitracen, M-00081
Pyrophendane, P-00591
Terbinafine, T-00081

$C_{21}H_{25}NO$
▷Benztropine, B-00104
Hepzidine, H-00033

$C_{21}H_{25}NO_2$
Cinnamaverine, C-00370
Myfadol, M-00476
▷Piperidolate, P-00290

$C_{21}H_{25}NO_3$
α,α-Diphenyl-2-piperidinemethanol; *N*-Ethoxycarbonyl, *in* D-00504
Nalmefene, N-00030
Piperilate, P-00291

$C_{21}H_{25}NO_3S$
Tipentosin, T-00310

$C_{21}H_{25}NO_4$
Glaucine, G-00028
Nalmexone, N-00031

$C_{21}H_{25}NO_5$
▷Demecolcine, D-00062

$C_{21}H_{25}N_2S^{\oplus}$
Mequitazium(1+), M-00110

$C_{21}H_{25}N_3OS$
2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5-benzothiazepin-4(5*H*)one, D-00291

$C_{21}H_{25}N_3O_2S_2$
Quisultazine, Q-00039

$C_{21}H_{25}N_3O_3$
Bonnecor, B-00252

$C_{21}H_{25}N_3O_3S$
Pipazethate, P-00275

$C_{21}H_{25}N_5O_2$
Icotidine, I-00014
▷Niprofazone, N-00155

$C_{21}H_{25}N_5O_4$
Piroxantrone, P-00350

$C_{21}H_{25}N_5O_8S_2$
▷Mezlocillin, M-00358

$C_{21}H_{25}N_9O_4$
1-Nordistamycin *A*, *in* D-00539

$C_{21}H_{26}BrNO_2$
Hexadiphenium bromide, *in* H-00045

$C_{21}H_{26}BrNO_3$
▷Mepenzolate bromide, *in* M-00094
▷Methanthelinium bromide, *in* M-00169
Parapenzolate bromide, *in* P-00028
Poldine; Bromide, *in* P-00378

$C_{21}H_{26}ClNO$
Clemastine, C-00416

$C_{21}H_{26}ClN_3OS$
▷Perphenazine, P-00129

$C_{21}H_{26}ClN_3O_2$
6-Chloro-9-[[3-(diethylamino)-2-hydroxypropyl]amino]-2-methoxyacridine, C-00229

$C_{21}H_{26}Cl_2O$
Clofoctol, C-00461

$C_{21}H_{26}Cl_2O_2$
Biclotymol, B-00155

$C_{21}H_{26}Cl_2O_4$
Dichlorisone, D-00177

$C_{21}H_{26}F_2O_6$
▷Fluocinolone, F-00172

$C_{21}H_{26}F_3N_5$
Lorpiprazole, L-00099

$C_{21}H_{26}INO_3$
Etipirium iodide, *in* E-00238

$C_{21}H_{26}NO_2^{\oplus}$
Hexadiphenium(1+), H-00045

$C_{21}H_{26}NO_3^{\oplus}$
Etipirium(1+), E-00238
Mepenzolate(1+), M-00094
Methantheline(1+), M-00169
Parapenzolate(1+), P-00028
Poldine, P-00378

$C_{21}H_{26}N_2O$
▷Fenpipramide, F-00070
N-[1-Phenyl-3-(1-piperidinyl)propyl]benzamide, P-00198
Tolnapersine, T-00355

$C_{21}H_{26}N_2OS$
▷Oxyridazine, O-00164

$C_{21}H_{26}N_2OS_2$
▷Mesoridazine, M-00134

$C_{21}H_{26}N_2O_2$
Epicainide, E-00073
Quinethyline, *in* C-00574

$C_{21}H_{26}N_2O_2S_2$
▷Sulforidazine, S-00222

$C_{21}H_{26}N_2O_3$
Base TR-2, *in* V-00033
Dimethoxyeburnamonine, *in* E-00003
(−)-16-Epivincamine, *in* V-00033
Vincamine, V-00033
▷Yohimbine, Y-00002

$C_{21}H_{26}N_2O_4$
Ciladopa, C-00341

$C_{21}H_{26}N_2O_7$
Nimodipine, N-00149

$C_{21}H_{26}N_2S_2$
▷Thioridazine, T-00209

$C_{21}H_{26}O_2$
▷Altrenogest, A-00159
▷Cannabinol, C-00026
Gestodene, G-00021
▷Mestranol, M-00138

$C_{21}H_{26}O_3$
Acitretin, A-00041
Buparvaquone, B-00366
▷Moxestrol, M-00463
Octabenzone, O-00004

$C_{21}H_{26}O_4$
Strobilurin C, *in* M-00469

$C_{21}H_{26}O_5$
▷Prednisone, P-00413
11,17,21-Trihydroxy-1,4,7-pregnatriene-3,20-dione, T-00482

$C_{21}H_{26}O_{13}$
Neohydrangin, *in* H-00114

$C_{21}H_{27}ClN_2O_2$
▷Hydroxyzine, H-00222

$C_{21}H_{27}ClO_3$
▷Chlormadinone, C-00208
Cismadinone, C-00398

$C_{21}H_{27}FN_2O_2$
Anisopirol, A-00396

$C_{21}H_{27}FO_5$
Descinolone, D-00092
9-Fluoro-17,21-dihydroxy-4-pregnene-3,11,20-trione, F-00184
Fluprednisolone, F-00208
Isoflupredone, I-00188

$C_{21}H_{27}FO_6$
▷Triamcinolone, T-00419

$C_{21}H_{27}N$
▷Butriptyline, B-00424
▷1-*tert*-Butyl-4,4-diphenylpiperidine, *in* D-00503
1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, D-00512
N-(1-Methylethyl)-4,4-diphenylcyclohexanamine, *in* D-00490
Prindamine, P-00438

$C_{21}H_{27}NO$
Benproperine, B-00061
▷Diphenidol, D-00486
1,1-Diphenyl-3-piperidino-1-butanol, D-00507
▷Isomethadone, I-00193
▷Methadone, M-00163

$C_{21}H_{27}NOS$
Tibalosin, T-00248

$C_{21}H_{27}NO_2$
▷Aprofene, A-00431
Dietifen, D-00259
Diphenylacetic acid; 3-(Diethylamino)propyl ester, *in* D-00488
Etafenone, E-00134
▷Ifenprodil, I-00020

$C_{21}H_{27}NO_3$
Benapryzine, B-00037
3-Hydroxy-3,3-diphenylpropanoic acid; 2-(Diethylamino)ethyl ester, *in* H-00126
Propafenone, P-00486

$C_{21}H_{27}NO_3S_2$
Mazaticol, M-00028

$C_{21}H_{27}NO_4$
Nalbuphine, N-00028
Protostephanine, P-00542

$C_{21}H_{27}N_3$
Rimcazole, R-00056

$C_{21}H_{27}N_3O_2$
2-[2-(Diethylamino)ethyl]-*N*,*N*′-diphenylpropanediamide, D-00236
▷Methysergide, M-00315

$C_{21}H_{27}N_3O_2S_2$
Sulfamothepin, S-00201

$C_{21}H_{27}N_3O_3$
Anidoxime, A-00388
Nicainoprol, N-00085

$C_{21}H_{27}N_3O_5$
Morocromen, M-00445

$C_{21}H_{27}N_3O_5S$
Sarpicillin, *in* H-00035

$C_{21}H_{27}N_3O_6S$
Sarmoxicillin, *in* O-00104

$C_{21}H_{27}N_3O_7S$
Bacampicillin, B-00001

$C_{21}H_{27}N_5O_2S$
Lupitidine, L-00113

$C_{21}H_{27}N_5O_4S$
Glipizide, G-00042

$C_{21}H_{27}N_5O_7S$
Aspoxicillin, A-00465

$C_{21}H_{27}N_5O_9S_2$
Cefpodoxime proxetil, *in* C-00145

$C_{21}H_{27}N_7O_6$
Ketotrexate, K-00021

$C_{21}H_{27}N_7O_{14}P_2$
▷Coenzyme I, C-00530

$C_{21}H_{27}Na_2O_8P$
▷Prednisolone sodium phosphate, *in* P-00412

$C_{21}H_{28}BrFO_2$
Haloprogesterone, H-00017

$C_{21}H_{28}BrNO_3$
Methylbenactyzium bromide, *in* M-00227

$C_{21}H_{28}BrNO_4$
Cimetropium bromide, *in* C-00351

$C_{21}H_{28}Cl_2N_2O_3$
Chloroxymorphamine, C-00291

$C_{21}H_{28}NO_3^{\oplus}$
Methylbenactyzium(1+), M-00227

$C_{21}H_{28}NO_4^{\oplus}$
Cimetropium(1+), C-00351

$C_{21}H_{28}N_2O$
Bifepramide, B-00162
▷Diampromide, D-00142

$C_{21}H_{28}N_2O_2$
▷Decloxizine, D-00040
▷6′-Ethoxy-10,11-dihydrocinchonan-9-ol, E-00163

$C_{21}H_{28}N_2O_4$
3,4-Diethoxy-*N*-[*p*-[2-(methylamino)ethoxy]benzyl]benzamide, D-00230

$C_{21}H_{28}N_2O_5$
Ramiprilat, R-00008
Trimethobenzamide, T-00500

$C_{21}H_{28}N_2O_5S$
Tienoxolol, T-00262

$C_{21}H_{28}N_2O_7$
Trigevolol, T-00471

$C_{21}H_{28}N_2O_8$
Deisovalerylblastmycin, *in* A-00415

$C_{21}H_{28}N_4O_3$
Lixazinone, L-00063

$C_{21}H_{28}O_2$
Demegestone, D-00063
▷Dydrogesterone, D-00624
▷Ethisterone, E-00156
Norgestrel, N-00218
Tibolone, T-00251

$C_{21}H_{28}O_3$
1,3-Dioxoferruginyl methyl ether, *in* F-00095
Estradiol monopropionate, *in* O-00028
Nomegestrol, N-00200
▷Pregn-4-ene-3,11,20-trione, P-00417

$C_{21}H_{28}O_4$
11,17-Dihydroxy-1,4-pregnadiene-3,20-dione, D-00348
▷Formebolone, F-00245
21-Hydroxy-4-pregnene-3,11,20-trione, H-00204

$C_{21}H_{28}O_5$
▷Aldosterone, A-00106
▷Cortisone, C-00549
▷Prednisolone, P-00412
Roxibolone, R-00098

$C_{21}H_{28}O_6$
Oxisopred, O-00119

$C_{21}H_{29}ClO_3$
6-Chloro-17-hydroxypregn-4-ene-3,20-dione, C-00248

Clogestone, C-00463
▷Clostebol acetate, *in* C-00506

$C_{21}H_{29}ClO_6S$
Luprostiol, L-00114

$C_{21}H_{29}Cl_3O_3$
17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, *in* H-00111

$C_{21}H_{29}FN_2O_2$
Fluciprazine, F-00137

$C_{21}H_{29}FN_2O_3$
▷Fenaperone, F-00036

$C_{21}H_{29}FO_4$
Flugestone, F-00150

$C_{21}H_{29}FO_5$
▷Fludrocortisone, F-00147

$C_{21}H_{29}I_3N_4O_9$
Iosarcol, I-00133

$C_{21}H_{29}N$
Diisopromine, D-00366

$C_{21}H_{29}NO$
▷Biperiden, B-00175
Bufenadrine, B-00347
Isomethadol, I-00192
Methadol, M-00162

$C_{21}H_{29}NO_2$
Butorphanol, B-00417

$C_{21}H_{29}NS_2$
▷Captodiame, C-00033

$C_{21}H_{29}N_2O^{\oplus}$
Denatonium(1+), D-00070

$C_{21}H_{29}N_3O$
▷Disopyramide, D-00537

$C_{21}H_{29}N_5O_2$
Tandospirone, T-00026

$C_{21}H_{30}Cl_2N_2O_5$
Loxiglumide, L-00107

$C_{21}H_{30}FN_3O_2$
▷Pipamperone, P-00274

$C_{21}H_{30}I_3N_3O_9$
Iosimide, I-00136

$C_{21}H_{30}N_2O$
▷Bunaftine, B-00358
Hydroxystenozole, H-00212
Quinacainol, Q-00008

$C_{21}H_{30}N_2O_8S$
Docarpamine, D-00562

$C_{21}H_{30}N_4O_3S$
Glibutimine, G-00034

$C_{21}H_{30}N_4O_4$
Cinitapride, C-00368

$C_{21}H_{30}O_2$
Metynodiol, M-00346
▷Progesterone, P-00466
Δ^8-Tetrahydrocannabinol, T-00114
Δ^9-Tetrahydrocannabinol, T-00115

$C_{21}H_{30}O_3$
17-Hydroxy-4-androsten-3-one; Ac, *in* H-00111
▷17-Hydroxy-4-pregnene-3,20-dione, H-00202
▷21-Hydroxy-4-pregnene-3,20-dione, H-00203
Nandrolone propionate, *in* H-00185
Testosterone acetate, *in* H-00111
Trestolone acetate, *in* N-00221

$C_{21}H_{30}O_4$
Algestone, A-00114
▷Corticosterone, C-00546
17,21-Dihydroxy-4-pregnene-3,20-dione, D-00349
2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol, T-00503

$C_{21}H_{30}O_4S$
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328

$C_{21}H_{30}O_5$
▷Cortisol, C-00548

$C_{21}H_{30}O_6$
2,5-Dihydroxy-3-undecyl-1,4-benzoquinone; Di-Ac, *in* D-00356

$C_{21}H_{30}O_8$
Onitoside, *in* O-00049

$C_{21}H_{31}ClN_2O$
▷Viminol, V-00030

$C_{21}H_{31}NO$
Cogazocine, C-00533

$C_{21}H_{31}NO_2$
▷Bornaprine, B-00255
Fronedipil, F-00265
Prolame, P-00471

$C_{21}H_{31}NO_3$
Spirendolol, S-00119

$C_{21}H_{31}NO_4$
Furethidine, F-00290

$C_{21}H_{31}N_3O_5$
Cinpropazide, C-00382
Lisinopril, L-00057

$C_{21}H_{31}N_5O_2$
▷Buspirone, B-00378

$C_{21}H_{31}O_8P$
▷Hydrocortisone phosphate, *in* C-00548

$C_{21}H_{32}BrN$
Fenclexonium(1+); Bromide, *in* F-00041
▷Laurylisoquinolinium bromide, *in* I-00210

$C_{21}H_{32}BrNO_3$
▷Oxypyrronium bromide, *in* O-00163

$C_{21}H_{32}ClN$
Fenclexonium(1+); Chloride, *in* F-00041

$C_{21}H_{32}N^{\oplus}$
Fenclexonium(1+), F-00041

$C_{21}H_{32}NO_3^{\oplus}$
Oxypyrronium(1+), O-00163

$C_{21}H_{32}N_2O$
Prodiame, P-00458
Stanozolol, S-00139

$C_{21}H_{32}N_2O_2$
Progesterone; Dioxime, *in* P-00466

$C_{21}H_{32}N_2O_5S$
▷Camphotamide, *in* D-00241

$C_{21}H_{32}N_4O_5$
Pirepolol, P-00322

$C_{21}H_{32}N_6O_3$
Alfentanil, A-00111

$C_{21}H_{32}O$
▷Allyloestrenol, A-00132

$C_{21}H_{32}O_2$
6-Hydroxy-3,5-cyclopregnan-20-one, H-00122
17β-Hydroxy-7,17-dimethyl-4-androsten-3-one, H-00123
3-Hydroxy-5-pregnen-20-one, H-00205
▷Norbolethone, N-00209

$C_{21}H_{32}O_3$
Androst-5-ene-3,17-diol; 3-Ac, *in* A-00383
Androst-5-ene-3,17-diol; 17-Ac, *in* A-00383
3-Hydroxy-11,20-pregnanedione, H-00200
21-Hydroxy-3,20-pregnanedione, H-00201
▷Oxymetholone, O-00154
▷Trichomycin *B*, *in* H-00200

$C_{21}H_{32}O_4$
▷3α,21-Dihydroxypregnane-11,20-dione, *in* H-00200

$C_{21}H_{32}O_5$
Penprostene, P-00074

$C_{21}H_{33}NO$
Ramciclane, R-00006

$C_{21}H_{33}N_3O_5S$
Pivmecillinam, P-00366

$C_{21}H_{34}BrNO_3$
▷Oxyphenonium bromide, *in* O-00161

$C_{21}H_{34}NO_3^{\oplus}$
Oxyphenonium(1+), O-00161

$C_{21}H_{34}O_5$
11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, D-00334

$C_{21}H_{34}O_6$
Dimoxaprost, D-00462

$C_{21}H_{35}NO$
Amorolfine, A-00359

$C_{21}H_{35}NO_5S$
Elorine sulfate, *in* P-00455

$C_{21}H_{35}N_3$
Bucainide, B-00334

$C_{21}H_{36}ClNO$
Tridihexethyl chloride, *in* T-00454

$C_{21}H_{36}ClO_5P$
[6-(2-Chloro-4-methoxyphenoxy)hexyl]phosphonic acid; Dibutyl ester, *in* C-00254

$C_{21}H_{36}INO$
▷Tridihexethyl iodide, *in* T-00454

$C_{21}H_{36}NO^{\oplus}$
Tridihexethyl(1+), T-00454

$C_{21}H_{36}NO_5$
Sinostemonine, S-00080

$C_{21}H_{36}N_7O_{16}P_3S$
Coenzyme *A*, C-00528

$C_{21}H_{36}O_4$
15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid, H-00169

$C_{21}H_{36}O_5$
▷Carboprost, C-00062

$C_{21}H_{37}ClN^{\oplus}$
Clofilium(1+), C-00457

$C_{21}H_{37}NO_2$
3-Amino-18,20-pregnanediol, A-00315

$C_{21}H_{37}N_5O_{14}$
▷Hikizimycin, H-00075

$C_{21}H_{38}BrN$
▷Benzyldimethyldodecylammonium(1+); Bromide, *in* B-00113
Hexadecylpyridinium(1+); Bromide, *in* H-00043

$C_{21}H_{38}ClN$
Benzododecinium chloride, *in* B-00113
▷Cetylpyridinium chloride, *in* H-00043

$C_{21}H_{38}IN$
Hexadecylpyridinium(1+); Iodide, *in* H-00043

$C_{21}H_{38}N^{\oplus}$
Benzyldimethyldodecylammonium(1+), B-00113
Hexadecylpyridinium(1+), H-00043

$C_{21}H_{38}N_2$
Pirtenidine, P-00358
Pregnane-3,20-diamine, P-00416

$C_{21}H_{38}O_4$
Deprostil, D-00086
Rioprostil, R-00061

$C_{21}H_{38}O_7$
Caperatic acid, C-00029

$C_{21}H_{39}ClNO_4P$
Clofilium phosphate, *in* C-00457

$C_{21}H_{39}N_3O_{13}$
▷Destomycin *B*, *in* D-00103
▷Destomycin *C*, *in* D-00103

$C_{21}H_{39}N_5O_{14}$
▷Bluensomycin, B-00247

$C_{21}H_{39}N_7O_{11}$
2-Deoxystreptomycin, *in* S-00161

$C_{21}H_{39}N_7O_{12}$
▷Streptomycin, S-00161

$C_{21}H_{40}ClN_5O_{11}$
3′-Chloro-3′-deoxybutirosin A, *in* B-00408

$C_{21}H_{40}N_4O_{13}$
▷Butirosin BU 1709E_1, *in* B-00408
Butirosin 1709E_2, *in* B-00408

$C_{21}H_{40}N_8O_6$
Tuftsin, T-00574

$C_{21}H_{40}N_8O_7$
Thymocartin, T-00223

$C_{21}H_{41}N_5O_7$
▷Netilmicin, N-00078

$C_{21}H_{41}N_5O_{10}$
3′,4′-Dideoxybutirosin *A*, *in* B-00408
3′,4′-Dideoxybutirosin *B*, *in* B-00408

$C_{21}H_{41}N_5O_{11}$
▷Apramycin, A-00428
▷Butirosin BU 1975C_1, *in* B-00408
Butirosin BU 1975C_2, *in* B-00408

$C_{21}H_{41}N_5O_{12}$
▷Butirosin *A*, B-00408
▷Butirosin B, *in* B-00408

$C_{21}H_{41}N_7O_{12}$
▷Dihydrostreptomycin, D-00303
Streptomycin; Dihydro; B,3HCl, *in* S-00161

$C_{21}H_{43}N_5O_6$
Gentamicin *C*; 5-Deoxy, 6′-*N*-Me, *in* G-00018

$C_{21}H_{43}N_5O_7$
▷Gentamicin C_1, *in* G-00018

$C_{21}H_{43}N_5O_8$
Gentamicin *C*; 2-Hydroxy-6′-*N*-Me, *in* G-00018

$C_{21}H_{43}N_5O_{12}$
Propikacin, P-00502

$C_{21}H_{44}O_3$
▷2,3-Dihydroxy-1-octadecyloxypropane, D-00337

$C_{21}H_{45}N_3$
Hexetidine, H-00064

$C_{22}H_{14}Cl_2I_2N_2O_2$
Closantel, C-00504

$C_{22}H_{14}N_4O_4$
Lavendamycin, L-00018

$C_{22}H_{16}Cl_2O_4S$
Tioclomarol, T-00297

$C_{22}H_{16}F_3N_3$
Fluotrimazole, F-00193

$C_{22}H_{16}O_3$
7-Hydroxyisoflavone; Benzyl ether, *in* H-00144

$C_{22}H_{16}O_5$
Fluorescein; Et ether, *in* F-00180
Fluorescein; Me ester, Me ether, *in* F-00180
Fluorescein; Et ester, *in* F-00180

$C_{22}H_{16}O_6$
▷Resistomycin, R-00030

$C_{22}H_{16}O_8$
▷Ethyl biscoumacetate, *in* B-00219

$C_{22}H_{17}ClN_2$
▷Clotrimazole, C-00512

Lombazole, L-00077

$C_{22}H_{17}N_3O$
Piriqualone, P-00335

$C_{22}H_{18}Cl_2FNO_3$
Cyfluthrin, C-00642

$C_{22}H_{18}I_6N_2O_9$
▷Iotroxic acid, I-00145

$C_{22}H_{18}N_2$
Bifonazole, B-00164

$C_{22}H_{18}O_3$
Anisacril, A-00394

$C_{22}H_{18}O_4$
Phenolphthalein; Di-Me ether, *in* P-00162

$C_{22}H_{18}O_7$
1,2,3,4-Dehydrodesoxypodophyllotoxin, *in* D-00083

$C_{22}H_{18}O_{10}$
3-Galloylcatechin, *in* P-00081

$C_{22}H_{19}Br$
Broparestrol, B-00326

$C_{22}H_{19}NO_2$
2,3-Bis(4-methoxyphenyl)-1*H*-indole, B-00227

$C_{22}H_{19}NO_4$
▷Bisacodyl, B-00186

$C_{22}H_{20}ClN_3$
Rilapine, R-00050

$C_{22}H_{20}FN_3OS$
Tifluadom, T-00265

$C_{22}H_{20}N_2$
Benzindopyrine, B-00084

$C_{22}H_{20}N_2O_2$
(2-Phenylethyl)hydrazine; Dibenzoyl, *in* P-00189
Piketoprofen, P-00250

$C_{22}H_{20}N_2O_8S_2$
Acetylaranotin, *in* A-00436

$C_{22}H_{20}N_4O_5$
Talmetoprim, T-00012

$C_{22}H_{20}N_4O_8S_2$
Cefsulodin, C-00150

$C_{22}H_{20}N_6O_6$
Diniprofylline, D-00466

$C_{22}H_{20}O_9$
3′,5-Dihydroxy-4′,6,7-trimethoxyflavone; Di-Ac, *in* D-00354
5,7-Dihydroxy-3′,4′,6-trimethoxyflavone; Di-Ac, *in* D-00355

$C_{22}H_{20}O_{10}$
▷Granaticin *A*, G-00085

$C_{22}H_{20}O_{13}$
Carminic acid, C-00080
Ellagic acid; 3,3′-Di-Me ether, 4-glucoside, *in* E-00026

$C_{22}H_{21}ClN_2O_6$
Sermetacin, S-00048

$C_{22}H_{21}ClN_2O_8$
▷Meclocycline, M-00044

$C_{22}H_{21}NO_7$
▷Chelocardin, C-00190

$C_{22}H_{21}N_3O_7S_2$
Timoxicillin, T-00290

$C_{22}H_{21}N_7O_3S_2$
Antibiotic L 640876, A-00407

$C_{22}H_{21}N_7O_6S_2$
Cefempidone, C-00124

$C_{22}H_{22}ClF_4NO_2$
Clofluperol, C-00460

$C_{22}H_{22}ClN_5O_2S$
Apafant, A-00420

$C_{22}H_{22}ClN_5O_4S_2$
Suproclone, S-00273

$C_{22}H_{22}FN_3O_2$
▷Droperidol, D-00608

$C_{22}H_{22}FN_3O_2S$
Altanserin, A-00153

$C_{22}H_{22}FN_3O_3$
Ketanserin, K-00010

$C_{22}H_{22}N_2O_2$
Cintazone, C-00383

$C_{22}H_{22}N_2O_5S$
Phenbenicillin, P-00148

$C_{22}H_{22}N_2O_6S_2$
Ticarcillin; 3-Mono(4-methylphenyl)ester, *in* T-00255

$C_{22}H_{22}N_2O_8$
▷Methacycline, M-00161

$C_{22}H_{22}N_4O_7S$
Furbenicillin, F-00286

$C_{22}H_{22}N_6O_5S_2$
Cefpirome, C-00144

$C_{22}H_{22}N_6O_7S_2$
▷Ceftazidime, C-00152

$C_{22}H_{22}N_8$
Bisantrene, B-00191

$C_{22}H_{22}O_4$
▷Faragynol, *in* D-00223

$C_{22}H_{22}O_5$
▷2,6-Bis(4-hydroxy-3-methoxybenzylidene)cyclohexanone, B-00218

$C_{22}H_{22}O_7$
Deoxypicropodophyllin, *in* D-00083
Deoxypodopyllotoxin, *in* D-00083

$C_{22}H_{22}O_8$
Mannitol; 2,3:4,5-Di-*O*-methylene, 1,6-di-*O*-benzoyl, *in* M-00018
▷Podophyllotoxin, P-00377

$C_{22}H_{22}O_{10}$
5,7-Dihydroxy-4′-methoxyflavone; 7-β-D-Galactoside, *in* D-00329
Sissotrin, *in* D-00330
Tilianin, *in* D-00329
Trifoside, T-00470

$C_{22}H_{22}O_{11}$
Azalein, *in* P-00082

$C_{22}H_{23}BrN_2O_8$
▷Bromotetracycline, B-00318

$C_{22}H_{23}ClFNO_2$
Cloroperone, C-00499

$C_{22}H_{23}ClFN_3O_2$
Milenperone, M-00374

$C_{22}H_{23}ClN_2O_2$
Loratadine, L-00092

$C_{22}H_{23}ClN_2O_8$
▷Aureomycin, A-00476

$C_{22}H_{23}FN_4O_2$
Neflumozide, N-00062

$C_{22}H_{23}F_2NO_2$
Lenperone, L-00024

$C_{22}H_{23}F_4NO_2$
▷Trifluperidol, T-00468

$C_{22}H_{23}NO_2$
▷Enpromate, E-00066

$C_{22}H_{23}NO_3$
Pemedolac, P-00056

$C_{22}H_{23}NO_4$
Methyl benzoquate, M-00232

$C_{22}H_{23}NO_4S_2$
Zofenopril, Z-00025

$C_{22}H_{23}NO_7$
Narcotine, N-00052

$C_{22}H_{23}NS$
Tropatepine, T-00550

$C_{22}H_{23}N_3OS$
Thiocarbanidin, T-00197

$C_{22}H_{23}N_3O_2$
Isamfazone, I-00174

$C_{22}H_{24}BrClN_4O_4$
Lodazecar, L-00069

$C_{22}H_{24}ClNO_5$
Azaspirium chloride, *in* A-00510

$C_{22}H_{24}ClN_3O$
▷Azelastine, A-00515

$C_{22}H_{24}ClN_3OS$
Azaclorzine, A-00493

$C_{22}H_{24}ClN_3OS_2$
Spiclomazine, S-00114

$C_{22}H_{24}ClN_5O_2$
▷Domperidone, D-00576

$C_{22}H_{24}FN_3OS$
▷Timiperone, T-00285

$C_{22}H_{24}FN_3O_2$
▷Benperidol, B-00060
Declenperone, D-00039

$C_{22}H_{24}FN_3O_3$
Zoloperone, Z-00032

$C_{22}H_{24}F_3N_3O_2S$
Ftorpropazine, F-00271

$C_{22}H_{24}F_4N_2O$
Tefludazine, T-00053

$C_{22}H_{24}NO_5^{\oplus}$
Azaspirium(1+), A-00510

$C_{22}H_{24}N_2$
Pipequaline, P-00280

$C_{22}H_{24}N_2O$
▷Tropirine, T-00555

$C_{22}H_{24}N_2O_2$
Acrivastine, A-00049

$C_{22}H_{24}N_2O_3$
Tribuzone, T-00430

$C_{22}H_{24}N_2O_5$
Benazeprilat, B-00038

$C_{22}H_{24}N_2O_8$
6-Deoxy-5-hydroxytetracycline, D-00080
▷Tetracycline, T-00109

$C_{22}H_{24}N_2O_9$
▷Oxytetracycline, O-00166
Sornidipine, S-00105

$C_{22}H_{24}N_{10}O_{12}S_2$
Pirazmonam, P-00314

$C_{22}H_{24}O_4$
Hormostilboral stark, *in* D-00257

$C_{22}H_{24}O_8$
Deoxypodophyllic acid, D-00083

$C_{22}H_{24}O_9$
Podophyllic acid, P-00376

$C_{22}H_{25}ClF_3N_3S$
SKF 7172-A_2, *in* F-00202

$C_{22}H_{25}ClN_2OS$
Clopenthixol, C-00481

$C_{22}H_{25}F_2NO_4$
Nebivolol, N-00057

$C_{22}H_{25}N$
▷Piroheptine, P-00346

$C_{22}H_{25}NO_3$
Pipoxolan, P-00304
4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-amino]carbonyl]benzoic acid, T-00131

$C_{22}H_{25}NO_4$
▷Dimoxyline, D-00463
Pitofenone, P-00359

$C_{22}H_{25}NO_6$
▷Colchicine, C-00534
4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, D-00430
▷N-Formyldemecolcine, *in* D-00062

$C_{22}H_{25}NO_8$
Nornarceine, *in* N-00051

$C_{22}H_{25}N_3$
Centhaquine, C-00166

$C_{22}H_{25}N_3O$
Benzpiperylone, B-00100
Indoramin, I-00069

$C_{22}H_{25}N_3O_2$
Bucindolol, B-00338

$C_{22}H_{25}N_3O_3$
▷Solypertine, S-00096
Spiroxatrine, S-00132

$C_{22}H_{25}N_3O_4$
Vesnarinone, V-00026

$C_{22}H_{25}N_3O_4S$
Moricizine, M-00442

$C_{22}H_{26}BrNO_3$
▷Clidinium bromide, *in* C-00425

$C_{22}H_{26}ClFO_4$
21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione, *in* C-00437

$C_{22}H_{26}FNO_2$
Moperone, M-00432

$C_{22}H_{26}FN_3O_2$
Spiramide, S-00117

$C_{22}H_{26}FN_3O_2S$
Sabeluzole, S-00001

$C_{22}H_{26}FN_3O_4$
Flesinoxan, F-00117

$C_{22}H_{26}FN_5O_3$
▷Fluprofylline, F-00210

$C_{22}H_{26}F_2O_3$
17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one; Ac, *in* E-00229

$C_{22}H_{26}F_3N_3OS$
▷Fluphenazine, F-00202

$C_{22}H_{26}NO_3^{\oplus}$
Clidinium(1+), C-00425

$C_{22}H_{26}N_2O_2$
Indocate, I-00061
▷Vinpocetine, V-00042

$C_{22}H_{26}N_2O_2S^{\oplus}$
Trimethaphan(1+), T-00498

$C_{22}H_{26}N_2O_3S$
Zepastine, Z-00009

$C_{22}H_{26}N_2O_4$
Cabucine, *in* A-00087

Tofisoline, T-00341
▷Tofisopam, T-00342

$C_{22}H_{26}N_2O_4S$
Diltiazem, D-00373

$C_{22}H_{26}N_2O_6$
Ornithine; N^{α},N^{δ}-Bis(benzyloxycarbonyl), Me ester, *in* O-00059

$C_{22}H_{26}N_4O_5$
Cyanonaphthyridinomycin, C-00583

$C_{22}H_{26}N_6O_2$
Tameridone, T-00020

$C_{22}H_{26}O_3$
▷Resmethrin, R-00031

$C_{22}H_{26}O_4$
Hexestrol diacetate, *in* B-00220

$C_{22}H_{26}O_8$
Euparotin acetate, *in* E-00273

$C_{22}H_{27}ClF_2O_3$
Halocortolone, H-00006

$C_{22}H_{27}ClF_2O_4$
Ulobetasol, U-00006

$C_{22}H_{27}ClF_2O_4S$
Cloticasone, C-00509

$C_{22}H_{27}ClF_2O_5$
Halometasone, H-00010

$C_{22}H_{27}ClN_2O$
Lorcainide, L-00094

$C_{22}H_{27}ClN_2O_3$
Lorajmine, *in* A-00088

$C_{22}H_{27}ClO_3$
▷Cyproterone, C-00651

$C_{22}H_{27}ClO_4$
Amadinone acetate, *in* A-00161

$C_{22}H_{27}ClO_8$
Eupachlorin acetate, *in* E-00270

$C_{22}H_{27}Cl_2N_3O_4$
Cloxacepride, C-00514

$C_{22}H_{27}FO_5$
Fluocortin, F-00174
Fluprednidene, F-00207

$C_{22}H_{27}F_3O_4S$
Fluticasone, F-00227

$C_{22}H_{27}F_3O_5$
Cormethasone, C-00544

$C_{22}H_{27}NO$
▷Ethybenztropine, E-00172
▷Phenazocine, P-00147
Sequifenadine, S-00044

$C_{22}H_{27}NO_2$
Amineptine, A-00200
▷Danazol, D-00010
▷Lobeline, L-00064
Pheneridine, P-00151
Pifenate, P-00246
Proxibutene, P-00547

$C_{22}H_{27}NO_3$
Dioxaphetyl butyrate, D-00474
Oxpheneridine, O-00143
Zocainone, Z-00024

$C_{22}H_{27}NO_3S$
▷Benztropine mesilate, JAN, *in* B-00104

$C_{22}H_{27}NO_5$
▷N-Methyldemecolcine, *in* D-00062

$C_{22}H_{27}NO_6$
Nisbuterol, N-00157

$C_{22}H_{27}N_3O_2$
Caroverine, C-00090
Omidoline, O-00045

$C_{22}H_{27}N_3O_3S_2$
▷Metopimazine, M-00332

$C_{22}H_{27}N_3O_4$
Diperodon, D-00481

$C_{22}H_{27}N_3O_4S$
Metioxate, M-00321

$C_{22}H_{27}N_3O_5S$
Glisentide, G-00045

$C_{22}H_{27}N_3O_6S$
▷Pivcephalexin, P-00363

$C_{22}H_{27}N_5$
▷Pazelliptine, P-00046

$C_{22}H_{27}N_5O$
Metoquizine, M-00335

$C_{22}H_{27}N_9O_4$
▷Distamycin *A*, D-00539

$C_{22}H_{27}N_9O_7S_2$
Cefpivtetrame, *in* C-00153

$C_{22}H_{28}BrNO_3$
▷Benzilonium bromide, *in* B-00082
▷Pipenzolate bromide, *in* P-00279

$C_{22}H_{28}ClFO_4$
Clobetasol, C-00437
Clocortolone, C-00444

$C_{22}H_{28}ClNO$
Setastine, S-00056

$C_{22}H_{28}Cl_2O_4$
Meclorisone, M-00049
Mometasone, M-00426

$C_{22}H_{28}FN_3O_3$
Mafoprazine, M-00003

$C_{22}H_{28}F_2O_4$
Diflucortolone, D-00270

$C_{22}H_{28}F_2O_4S$
Ticabesone, T-00253

$C_{22}H_{28}F_2O_5$
Diflorasone, D-00267
▷Flumethasone, F-00156

$(C_{22}H_{28}N)_x$
▷Cholestyramine resin, C-00307

$C_{22}H_{28}N^{\oplus}$
Prifinium(1+), P-00430

$C_{22}H_{28}NO_3^{\oplus}$
Benzilonium(1+), B-00082
Bevonium(1+), B-00147
▷Pipenzolate(1+), P-00279

$C_{22}H_{28}N_2O$
Buzepide, B-00434
▷Fentanyl, F-00077

$C_{22}H_{28}N_2OS_2$
Oxyprothepin, O-00162

$C_{22}H_{28}N_2O_2$
▷Anileridine, A-00390
Encainide, E-00044

$C_{22}H_{28}N_2O_2S$
Becanthone, B-00021
▷Perimetazine, P-00122

$C_{22}H_{28}N_2O_2S_2$
2,2′-Dithiobis[*N*-butylbenzamide], D-00549

$C_{22}H_{28}N_2O_3$
▷Centpropazine, C-00169
Pentamorphone, P-00087
Yohimbic acid; Et ester, *in* Y-00001

$C_{22}H_{28}N_2O_5$
Reserpic acid, R-00028

$C_{22}H_{28}N_4O_3$
Etonitazene, E-00260

$C_{22}H_{28}N_4O_4$
Ametantrone, A-00180

$C_{22}H_{28}N_4O_5$
▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)-amino]-2-propanol, D-00231

$C_{22}H_{28}N_4O_6$
Mitozantrone, M-00407

$C_{22}H_{28}O_3$
Canrenone, C-00027
▷Norethisterone acetate, *in* N-00212

$C_{22}H_{28}O_4$
Oestradiol; 3,17-Di-Ac, *in* O-00028

$C_{22}H_{28}O_5$
17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione, D-00336
Estradiol hemisuccinate, *in* O-00028
Isoprednidene, I-00197
Prednylidene, P-00414

$C_{22}H_{28}O_6$
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; 8-(2-Acetoxymethyl-2*E*-butenoyl), *in* H-00134

$C_{22}H_{28}O_7$
Eupacunin, E-00272

$C_{22}H_{29}BrN_2O$
1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidium bromide, *in* F-00070

$C_{22}H_{29}ClO_3$
Clomegestone, C-00466

$C_{22}H_{29}ClO_5$
Alclometasone, A-00104
Beclomethasone, B-00024

$C_{22}H_{29}ClO_6$
▷Cloprostenol, C-00490

$C_{22}H_{29}FO_4$
▷Desoximetasone, D-00102
Doxybetasol, D-00597
▷Fluocortolone, F-00175
Fluorometholone, F-00186

$C_{22}H_{29}FO_4S$
Timobesone, T-00286

$C_{22}H_{29}FO_5$
▷Betamethasone, B-00141
▷Dexamethasone, D-00111
Flunoprost, F-00170
Fluperolone, F-00201
Paramethasone, P-00025

$C_{22}H_{29}FO_8S$
Dexamethasone; 21-Sulfate, *in* D-00111

$C_{22}H_{29}F_3N_2O_2$
Terciprazine, T-00085

$C_{22}H_{29}F_3O_3$
Flumedroxone, F-00154

$C_{22}H_{29}NOS$
Diprofene, D-00521
Xenthiorate, X-00009

$C_{22}H_{29}NO_2$
Noracymethadol, N-00207
▷Propoxyphene, P-00512

$C_{22}H_{29}NO_3$
Norethisterone acetate oxime, *in* N-00212

$C_{22}H_{29}NO_5$
Guan-fu base B, *in* H-00136
Guan-fu base Y, G-00108
Trimebutine, T-00491

$C_{22}H_{29}NO_7S$
Poldine methylsulfate, *in* P-00378

$C_{22}H_{29}N_3O_4$
Peradoxime, P-00111

$C_{22}H_{29}N_3O_6S$
▷Pivampicillin, P-00362

$C_{22}H_{29}N_3S_2$
▷Thiethylperazine, T-00189

$C_{22}H_{29}N_7O_5$
▷Puromycin, P-00557

$C_{22}H_{29}N_9O_9S_2$
Cefbuperazone, C-00121

$C_{22}H_{29}O_8P$
Prednazoline, *in* P-00412

$C_{22}H_{30}BrClNO^{\oplus}$
Halopenium(1+), H-00013

$C_{22}H_{30}BrCl_2NO$
Halopenium chloride, *in* H-00013

$C_{22}H_{30}BrNO$
Pirdonium bromide, *in* P-00317

$C_{22}H_{30}Cl_2N_2O_2$
Spiradoline, S-00116

$C_{22}H_{30}Cl_2N_{10}$
▷Chlorhexidine, C-00206

$C_{22}H_{30}FNO_4$
Flusoxolol, F-00221

$C_{22}H_{30}FO_8P$
Betamethasone; 21-Phosphate, *in* B-00141
▷Dexamethasone phosphate, *in* D-00111
Paramethasone; 21-Phosphate, *in* P-00025

$C_{22}H_{30}INO$
Pirdonium(1+); Iodide, *in* P-00317
Stilonium iodide, *in* S-00155

$C_{22}H_{30}NO^{\oplus}$
Pirdonium(1+), P-00317
Stilonium(1+), S-00155

$C_{22}H_{30}N_2$
Aprindine, A-00429

$C_{22}H_{30}N_2O$
Pirmenol, P-00342

$C_{22}H_{30}N_2O_2$
Barucainide, B-00016
▷Eprozinol, E-00094

$C_{22}H_{30}N_2O_2S$
Sufentanil, S-00177

$C_{22}H_{30}N_2O_5$
Trandolaprilat, T-00396

$C_{22}H_{30}N_2O_5S_2$
Spirapril, *in* S-00118

$C_{22}H_{30}N_2O_6$
Moxicoumone, M-00464

$C_{22}H_{30}N_4O_2S_2$
▷Thioproperazine, T-00208

$(C_{22}H_{30}N_4O_5S)_n$
Penlysinum, P-00071

$C_{22}H_{30}N_{10}O_8$
Acefylline piperazine, *in* A-00011

$C_{22}H_{30}O$
▷Desogestrel, D-00099

$C_{22}H_{30}O_2$
Promegestone, P-00476

$C_{22}H_{30}O_3$
Endrysone, E-00052

17-Hydroxy-6-methyl-4,6-pregnadiene-3,20-dione, H-00174
Siccanin, S-00066

$C_{22}H_{30}O_4$
17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid, H-00186

$C_{22}H_{30}O_4S$
Ovandrotone, O-00071

$C_{22}H_{30}O_5$
Cicaprost, C-00323
▷Methylprednisolone, M-00297
Nandrolone hydrogen succinate, *in* H-00185

$C_{22}H_{30}O_5S_2$
Hydrocortisene 21-xanthogenic acid, *in* C-00548

$C_{22}H_{30}O_8$
▷Valtrate, V-00006

$C_{22}H_{31}BrO_2$
17-Bromo-6-methyl-4-pregnene-3,20-dione, B-00309

$C_{22}H_{31}ClO_2$
Clometherone, C-00469

$C_{22}H_{31}ClO_3$
Clostebol propionate, *in* C-00506

$C_{22}H_{31}FO_2S_2$
Tipredane, T-00314

$C_{22}H_{31}NO_3$
Amicibone, A-00188
Epostane, E-00088
Oxybutynin, O-00147
▷Songorine, S-00100

$C_{22}H_{31}NO_4$
Songorine N-oxide, *in* S-00100

$C_{22}H_{31}N_3O_3$
Taziprinone, T-00042

$C_{22}H_{31}N_3O_4S$
Penethamate, P-00061

$C_{22}H_{31}N_3O_5$
Cinepazide, C-00363
9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-*a*][1,2]diazepine-1-carboxylic acid, *in* C-00343

$C_{22}H_{32}BrNO_3$
Droclidinium bromide, *in* D-00605

$C_{22}H_{32}Br_2N_4O_4$
▷Distigmine bromide, *in* D-00540

$C_{22}H_{32}Cl_2N_2O_4$
Lorglumide, L-00096

$C_{22}H_{32}NO_3^{\oplus}$
Droclidinium(1+), D-00605

$C_{22}H_{32}N_2O_2$
Dopexamine, D-00581

$C_{22}H_{32}N_2O_3$
Mociprazine, M-00414

$C_{22}H_{32}N_2O_5$
Benzquinamide, B-00102
Dimetagrel, D-00388

$C_{22}H_{32}N_2O_6$
Hexoprenaline, H-00068

$C_{22}H_{32}N_4O$
Proterguride, P-00533

$C_{22}H_{32}N_4O_4^{\oplus\oplus}$
Distigmine(2+), D-00540

$C_{22}H_{32}O_2$
4,7,10,13,16,19-Docosahexaenoic acid, D-00564
Promestriene, P-00477
▷Retinol acetate, *in* V-00058

$C_{22}H_{32}O_3$
17-Hydroxy-6-methyl-4-pregnene-3,20-dione, H-00175
▷Medrysone, M-00060
▷Methenolone acetate, *in* M-00178
▷17-(1-Oxopropoxy)androst-4-en-3-one, *in* H-00111
Stenbolone acetate, *in* S-00144

$C_{22}H_{32}O_4$
Iloprost, I-00023
Oxoprostol, O-00137

$C_{22}H_{32}O_8$
Dihydrovaltrate, D-00305

$C_{22}H_{33}ClN_2O$
Erocainide, E-00112

$C_{22}H_{33}CuN_3O_{14}S_4$
▷Cuproxoline, *in* B-00223

$C_{22}H_{33}NO_2$
Guan-fu base C, G-00104

$C_{22}H_{33}NO_3$
▷Cyclomethycaine, C-00625

$C_{22}H_{33}NO_5$
Nileprost, N-00140

$C_{22}H_{34}BrNO$
▷Ciclonium bromide, *in* C-00330

$C_{22}H_{34}ClN_3O_3$
Sturamustine, S-00168

$C_{22}H_{34}INO_2$
▷Oxapium iodide, *in* O-00089

$C_{22}H_{34}NO^{\oplus}$
Ciclonium(1+), C-00330

$C_{22}H_{34}NO_2^{\oplus}$
Oxapium(1+), O-00089

$C_{22}H_{34}N_2O$
Stirocainide, S-00158

$C_{22}H_{34}N_2O_3$
Trapencaine, T-00400

$C_{22}H_{34}N_2O_4$
Oxamarin, O-00081

$C_{22}H_{34}O_2$
Anagestone, A-00375
Topterone, T-00384

$C_{22}H_{34}O_3$
▷17-(1-Oxopropoxy)androstan-3-one, *in* H-00109

$C_{22}H_{34}O_5$
▷Pleuromutilin, P-00374

$C_{22}H_{34}O_7$
Coleonol, *in* E-00090
Coleonol B, *in* E-00090

$C_{22}H_{34}O_{19}$
Ribocitrin, R-00037

$C_{22}H_{35}NO$
Pipoctanone, P-00299

$C_{22}H_{35}NO_2$
Secoverine, S-00033

$C_{22}H_{35}NO_4S$
Fenclexonium metilsulfate, *in* F-00041

$C_{22}H_{35}NO_5$
Terbutaline dipivalate, *in* T-00084

$C_{22}H_{35}NO_7$
Amoproxan, A-00357

$C_{22}H_{35}N_2^{\oplus}$
Laurolinium(1+), L-00017

$C_{22}H_{35}N_3O_2$
Transcainide, T-00398

$C_{22}H_{36}I_2N_4O_4S_2$
Disufene, *in* B-00178

$C_{22}H_{36}N_2O_3$
Fenetradil, F-00048

$C_{22}H_{36}N_4O_4S_2^{\oplus\oplus}$
[4,4′-Biphenylenebis(sulfonyliminoethylene)]-bis(trimethylammonium)(2+), B-00178

$C_{22}H_{36}O_2Si$
17β-[(Trimethylsilyl)oxy]androst-4-en-3-one, *in* H-00111

$C_{22}H_{36}O_4$
Ciprostene, C-00393

$C_{22}H_{36}O_5$
Aphidicolin; 17-Ac, *in* A-00422
Aphidicolin; 3,18-Orthoacetate, *in* A-00422
▷11,15-Dihydroxy-16,16-dimethyl-9-oxa-2,13-prostadienoic acid, D-00323
11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid, D-00324
Enisoprost, E-00057
Limaprost, L-00050
Prostalene, P-00529

$C_{22}H_{36}O_6$
Sorbitan monopalmitate, *in* A-00387

$C_{22}H_{37}ClO_4$
Nocloprost, N-00195

$C_{22}H_{37}NO_5$
8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate, D-00239

$C_{22}H_{38}INO_3$
Quateron, *in* B-00420

$C_{22}H_{38}NO_3^{\oplus}$
3-[(*p*-Butoxybenzoyl)oxy]-2-methylbutyl]-triethylammonium(1+), B-00420

$C_{22}H_{38}O_5$
Carboprost methyl, *in* C-00062
Misoprostol, M-00396

$C_{22}H_{39}BrClNO$
Dodeclonium bromide, *in* D-00565

$C_{22}H_{39}ClNO^{\oplus}$
Dodeclonium(1+), D-00565

$C_{22}H_{40}BrNO$
▷Domiphen bromide, *in* D-00567

$C_{22}H_{40}ClN$
Halimide, *in* D-00566

$C_{22}H_{40}N^{\oplus}$
(4-Dodecylbenzyl)trimethylammonium(1+), D-00566
Toloconium(1+), T-00357

$C_{22}H_{40}NO^{\oplus}$
Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567

$(C_{22}H_{40}O_4)_n$
Surfomer, S-00276

$C_{22}H_{42}N_8O_7$
Thymocartin; 1-Me ester, *in* T-00223

$C_{22}H_{43}N_5O_{10}$
3′,4′-Dideoxy-6′-*N*-methylbutirosin *A*, *in* B-00408
3′,4′-Dideoxy-6′-*N*-methylbutirosin *B*, *in* B-00408

$C_{22}H_{43}N_5O_{12}$
▷Isepamicin, *in* G-00017

$C_{22}H_{43}N_5O_{13}$
▷Amikacin, A-00196

$C_{22}H_{44}N_6O_{10}$
Habekacin, *in* D-00154

$C_{22}H_{45}N_3$
Hexedine, H-00063

$C_{22}H_{45}N_5O_{12}$
Butikacin, B-00404

$C_{23}H_{15}F_2NO_2$
Brequinar, B-00269

$C_{23}H_{16}O_3$
▷Diphenadione, D-00483

$C_{23}H_{16}O_8$
3,3′-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one); Di-Ac, *in* M-00251

$C_{23}H_{16}O_{11}$
Cromoglycic acid, C-00565

$C_{23}H_{18}F_2N_2O_2$
Fenflumizole, F-00049

$C_{23}H_{18}N_2O_2$
Diphenadione; 1-Hydrazone, *in* D-00483
▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528

$C_{23}H_{20}N_2O_2S$
▷1,2-Diphenyl-4-[2-(phenylthio)ethyl)]-3,5-pyrazolidinedione, D-00501

$C_{23}H_{20}N_2O_3S$
▷Sulphinpyrazone, S-00258

$C_{23}H_{20}N_2O_5$
▷Bentiromide, B-00069

$C_{23}H_{21}ClN_6O_3$
Loprazolam, L-00089

$C_{23}H_{21}ClO_3$
▷Chlorotrianisene, C-00290

$C_{23}H_{21}NO_4$
Xenazoic acid, X-00008

$C_{23}H_{22}F_3N_3O$
Ridiflone, R-00042

$C_{23}H_{22}F_3N_3O_2$
▷Florifenine, F-00125

$C_{23}H_{22}N_2O_4S$
Osmadizone, O-00067

$C_{23}H_{22}N_2O_6S$
Carfecillin, C-00074

$C_{23}H_{22}N_3O_2^{\oplus}$
Carbidium(1+), C-00049

$C_{23}H_{22}N_{10}$
N,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)-1,3,5-triazin-2,4,6-triamine, B-00189

$C_{23}H_{22}O_{10}$
Methyl granaticin, *in* G-00085

$C_{23}H_{23}IN_2S_2$
▷Dithiazanine iodide, *in* D-00548

$C_{23}H_{23}NO_2$
Crisnatol, C-00560

$C_{23}H_{23}N_2S_2^{\oplus}$
▷Dithiazanine(1+), D-00548

$C_{23}H_{23}N_3O_5S$
Propampicillin, P-00488

$C_{23}H_{24}FN_3O$
Cinuperone, C-00384

$C_{23}H_{24}FN_3O_2$
Pirenperone, P-00320

$C_{23}H_{24}FN_3O_3$
Prideperone, P-00428

$C_{23}H_{24}F_3N_3OS$
Azaftozine, A-00497

$C_{23}H_{24}N_4$
Tampramine, T-00024

$C_{23}H_{24}N_6O_5S_2$
Cefquinone, C-00147

$C_{23}H_{24}N_6O_7S_2$
Sulfamazone, S-00195

$C_{23}H_{24}O_4$
▷Cyclofenil, C-00602

$C_{23}H_{24}O_8$
Wortmannin, W-00003

$C_{23}H_{25}ClN_2O_9$
Clomocycline, C-00473

$C_{23}H_{25}ClN_4O$
Chlorethindole, C-00202

$C_{23}H_{25}ClN_4O_4S$
Glicetanile, G-00036

$C_{23}H_{25}ClN_6O_8S_3$
Cefmepidium chloride, *in* C-00131

$C_{23}H_{25}F_2N_3O_2$
Fluspiperone, F-00222

$C_{23}H_{25}F_3N_2OS$
▷Flupenthixol, F-00198

$C_{23}H_{25}N$
▷Fendiline, F-00044

$C_{23}H_{25}NO$
Decitropine, D-00038

$C_{23}H_{25}NO_5$
Diacetylnalorphine, *in* N-00032

$C_{23}H_{25}N_5O_5$
Doxazosin, D-00592

$C_{23}H_{25}N_6O_8S_3^{\oplus}$
Cefmepidium(1+), C-00131

$C_{23}H_{26}BrNO_3$
Trantelinium bromide, *in* T-00399

$C_{23}H_{26}Cl_2O_6$
▷Simfibrate, S-00074

$C_{23}H_{26}FN_3O_2$
▷Spiperone, S-00115

$C_{23}H_{26}F_3N_3S$
Ciclofenazine, C-00329

$C_{23}H_{26}F_4N_2OS$
Teflutixol, T-00054

$C_{23}H_{26}NO_2S^{\oplus}$
Sevitropium(1+), S-00059

$C_{23}H_{26}NO_3^{\oplus}$
Trantelinium(1+), T-00399

$C_{23}H_{26}N_2O$
Roxindole, R-00099

$C_{23}H_{26}N_2O_2$
Benzetimide, B-00080

$C_{23}H_{26}N_2O_3$
Pravadoline, P-00402

$C_{23}H_{26}N_2O_5$
Quinaprilat, Q-00012

$C_{23}H_{26}N_4O_9S_2$
▷Quinuronium sulfate, *in* Q-00037

$C_{23}H_{26}O_3$
Phenothrin, P-00169

$C_{23}H_{26}O_4$
Estradiol furoate, *in* O-00028

$C_{23}H_{27}ClN_2O_2$
Pinoxepin, P-00272

$C_{23}H_{27}ClN_4O_4S_3$
Cephachlomazine, C-00171

$C_{23}H_{27}ClO_2$
Gestaclone, G-00020

$C_{23}H_{27}ClO_6$
Chloroprednisone acetate, *in* C-00232
Cloprednol; 21-Ac, *in* C-00489

$C_{23}H_{27}FN_4O_2$
Risperidone, R-00063

$C_{23}H_{27}F_3N_2O_2S$
Flupimazine, F-00203

$C_{23}H_{27}NO$
Deptropine, D-00087

$C_{23}H_{27}NO_2$
Pituxate, P-00361

$C_{23}H_{27}NO_3$
▷Etabenzarone, E-00131

$C_{23}H_{27}NO_4$
Micinicate, M-00362

$C_{23}H_{27}NO_5$
Octaverine, O-00019

$C_{23}H_{27}NO_8$
Narceine, N-00051

$C_{23}H_{27}N_3O$
Itrocainide, I-00223
Prenoxdiazine, P-00422

$C_{23}H_{27}N_3O_2$
▷Morazone, M-00439

$C_{23}H_{27}N_3O_3$
Benafentrine, B-00035

$C_{23}H_{27}N_3O_4$
Benexate, B-00048

$C_{23}H_{27}N_3O_7$
▷Minocycline, M-00387

$C_{23}H_{27}N_5O_7S$
Piperacillin, P-00283

$C_{23}H_{28}$
Temarotene, T-00059

$C_{23}H_{28}ClN_3O$
Datelliptium chloride, *in* D-00017

$C_{23}H_{28}ClN_3O_2S$
▷Perphenazine acetate, *in* P-00129

$C_{23}H_{28}ClN_3O_5S$
▷Glibenclamide, G-00032

$C_{23}H_{28}Cl_2O_5$
Dichlorisone acetate, *in* D-00177

$C_{23}H_{28}FN_5O_3$
Perbufylline, P-00117

$C_{23}H_{28}F_3N_3OS$
Homofenazine, H-00084

$C_{23}H_{28}N_2$
Indopine, I-00067

$C_{23}H_{28}N_2O$
Leiopyrrole, L-00020

$C_{23}H_{28}N_2O_3$
Acoxatrine, A-00047
Bopindolol, B-00253
Mindodilol, M-00383
Tropapride, T-00548

$C_{23}H_{28}N_2O_4$
O-Acetylyohimbine, *in* Y-00002
Pacrinolol, P-00001
Quinine ethylcarbonate, *in* Q-00028

$C_{23}H_{28}N_2O_5$
10,11-Dimethoxyajmalicine, *in* A-00087

$C_{23}H_{28}N_3O^{\oplus}$
Datelliptium(1+), D-00017

$C_{23}H_{28}N_4O_4$
Nesapidil, N-00076
Peraquinsin, P-00113

$C_{23}H_{28}N_4O_8S$
Vaneprim, V-00008

$C_{23}H_{28}N_4O_{11}S$
Cefuroxime pivoxetil, *in* C-00161

$C_{23}H_{28}O_2$
Pelretin, P-00054

$C_{23}H_{28}O_5$
Cristatic acid, C-00561

$C_{23}H_{28}O_6$
Enprostil, E-00067
▷Prednisone acetate, *in* P-00413
11,17,21-Trihydroxy-1,4,7-pregnatriene-3,20-dione; 21-Ac, *in* T-00482

$C_{23}H_{28}O_{11}$
Albiflorin, A-00097

$C_{23}H_{29}ClFN_3O_4$
Cisapride, C-00396

$C_{23}H_{29}ClN_2OS$
Xanthiol, X-00004

$C_{23}H_{29}ClN_4O_3$
Ciltoprazine, C-00348

$C_{23}H_{29}ClO_4$
▷Chlormadinone acetate, *in* C-00208
Cismadinone acetate, *in* C-00398

$C_{23}H_{29}ClO_6$
▷Delprostenate, D-00058

$C_{23}H_{29}FN_2OS$
Isofloxythepin, I-00187

$C_{23}H_{29}FO_6$
Fluprednisolone acetate, *in* F-00208
▷Isoflupredone acetate, *in* I-00188

$C_{23}H_{29}F_2N_3O$
Amperozide, A-00365

$C_{23}H_{29}F_3O_6$
Fluprostenol, F-00212

$C_{23}H_{29}NO$
4,4-Diphenyl-6-(1-piperidinyl)-3-hexanone, D-00510

$C_{23}H_{29}NO_2$
Phenadoxone, P-00138
Pinolcaine, P-00271
Pyrroliphene, P-00599

$C_{23}H_{29}NO_3$
Benzethidine BAN, B-00078
Conorfone, C-00542
▷Phenbutrazate, P-00149
Phenoperidine, P-00165
Propiverine, P-00507

$C_{23}H_{29}NO_{12}$
Epihygromycin, *in* H-00223
▷Hygromycin *A*, H-00223

$C_{23}H_{29}N_3O$
▷Opipramol, O-00052
Pirolazamide, P-00348

$C_{23}H_{29}N_3O_2$
▷Etomidoline, E-00258
▷Oxypertine, O-00157

$C_{23}H_{29}N_3O_2S$
Acetophenazine, A-00025

$C_{23}H_{29}N_3O_2S_2$
▷Thiothixene, T-00213

$C_{23}H_{29}N_3O_3$
Eproxindine, E-00093

$C_{23}H_{29}N_5O$
Toquizine, T-00385

$C_{23}H_{30}BrNO_3$
Dimetipirium bromide, *in* D-00458

$C_{23}H_{30}BrN_3O_2$
Brazergoline, B-00266

$C_{23}H_{30}ClNO$
Octastine, O-00017

$C_{23}H_{30}ClN_3O$
▷Quinacrine, Q-00010

$C_{23}H_{30}NO_3^{\oplus}$
Dimetipirium(1+), D-00458
Propantheline, P-00492

$C_{23}H_{30}N_2$
Emopamil, E-00039

$C_{23}H_{30}N_2O$
Mefentanyl, M-00065
α-Methylfentanyl, M-00255

$C_{23}H_{30}N_2O_2$
Piminodine, P-00260

$C_{23}H_{30}N_2O_3$
Vinpoline, V-00043

$C_{23}H_{30}N_2O_4$
▷Pholcodine, P-00212

$C_{23}H_{30}N_2O_5$
Fepromide, F-00085
▷Methyl reserpate, *in* R-00028

$C_{23}H_{30}N_2O_9$
Antibiotic I-2743C, *in* A-00415
Antimycin A_6, *in* A-00415

$C_{23}H_{30}N_6O_4$
▷Teoprolol, T-00075

$C_{23}H_{30}O_3$
▷Etretinate, *in* A-00041
Melengestrol, M-00078

$C_{23}H_{30}O_4$
Lutenyl, *in* N-00200

$C_{23}H_{30}O_4S$
Ethynylestradiol 3-isopropylsulfonate, *in* E-00231

$C_{23}H_{30}O_5$
21-Hydroxy-4-pregnene-3,11,20-trione; Ac, *in* H-00204

$C_{23}H_{30}O_6$
▷Cortisone acetate, *in* C-00549
Fenprostalene, F-00074
▷Prednisolone acetate, *in* P-00412

$C_{23}H_{31}ClN_2O_3$
▷Etodroxizine, E-00246

$C_{23}H_{31}ClO_4$
CAP, *in* C-00248

$C_{23}H_{31}Cl_2NO_3$
Estramustine, E-00127

$C_{23}H_{31}Cl_3O_4$
Cloxotestosterone acetate, *in* H-00111

$C_{23}H_{31}FO_4$
Dimesone, D-00386

$C_{23}H_{31}FO_5$
▷Flugestone acetate, *in* F-00150

$C_{23}H_{31}FO_6$
▷Fludrocortisone acetate, *in* F-00147

$C_{23}H_{31}IN_2O$
Buzepide metiodide, *in* B-00434

$C_{23}H_{31}NO$
Xorphanol, X-00019

$C_{23}H_{31}NO_2$
Alphaacetylmethadol, *in* M-00162
Motretinide, M-00456
▷Proadifen, P-00442

$C_{23}H_{31}NO_3$
Diprafenone, D-00519
▷Norgestimate, N-00216

$C_{23}H_{31}NO_7S$
▷Bevonium methylsulfate, *in* B-00147
▷Sulprostone, S-00261

$C_{23}H_{31}N_5O_4S$
Glisamuride, G-00044

$C_{23}H_{32}Cl_2NO_6P$
▷Estramustine phosphate, *in* E-00127

$C_{23}H_{32}N_2O$
Moxaprindine, M-00459

$C_{23}H_{32}N_2O_2S$
Thiocarlide, T-00198

$C_{23}H_{32}N_2O_3$
Zipeprol, Z-00023

$C_{23}H_{32}N_2O_4$
Bernzamide, B-00137

$C_{23}H_{32}N_2O_5$
1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *in* R-00008
Zabicipril, Z-00001

$C_{23}H_{32}N_2O_6$
Enciprazine, E-00045

$C_{23}H_{32}N_4O_7S$
Libecillide, L-00041

$C_{23}H_{32}N_6O_3S$
Tazifylline, T-00041

$C_{23}H_{32}O_2$
▷Dimethisterone, D-00393
▷Medrogestone, M-00057

$C_{23}H_{32}O_3$
Estradiol pivalate, *in* O-00028
▷Estradiol valerate, *in* O-00028
▷Quinestradol, *in* O-00030

$C_{23}H_{32}O_4$
▷Deoxycortone acetate, *in* H-00203
Hydroxyprogesterone acetate, *in* H-00202
Norgestomet, N-00217
Prorenoate, P-00524

$C_{23}H_{32}O_5$
▷Corticosterone; 21-Ac, *in* C-00546
17,21-Dihydroxy-4-pregnene-3,20-dione; 21-Ac, *in* D-00349
2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol; Ac, *in* T-00503

$C_{23}H_{32}O_6$
▷Hydrocortisone acetate, *in* C-00548
3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide, T-00478

$C_{23}H_{33}Cl_2NO_3$
Nandrolone 17-bis(2-chloroethyl)carbamate, *in* H-00185

$C_{23}H_{33}Cl_2N_3O_4S$
Tubulozole, T-00572

$C_{23}H_{33}FN_2O_2$
▷Propyperone, P-00518

$C_{23}H_{33}IN_2O$
▷Isopropamide iodide, *in* I-00199

$C_{23}H_{33}NO_2$
▷Azastene, A-00511
Xipranolol, X-00018
Xyloxemine, X-00026

$C_{23}H_{33}N_2O$
▷Isopropamide(1+), I-00199

$C_{23}H_{33}N_3O_6S$
Tameticillin, *in* M-00180

$C_{23}H_{33}N_5O_5S$
Gliamilide, G-00031

$C_{23}H_{34}IN_3O_3$
Beperidium iodide, *in* B-00131

$C_{23}H_{34}N_3O_3^{\oplus}$
Beperidium(1+), B-00131

$C_{23}H_{34}O_2$
4,7,10,13,16,19-Docosahexaenoic acid; Me ester, *in* D-00564
Retinol propanoate, *in* V-00058

$C_{23}H_{34}O_2S$
Tinabinol, T-00291

$C_{23}H_{34}O_3$
Pregnenolone acetate, *in* H-00205
Testosterone isobutyrate, *in* H-00111

$C_{23}H_{34}O_4$
Alphadolone acetate, *in* H-00200
Androst-5-en-3,16-diol; Di-Ac, *in* A-00382
Androst-5-ene-3,17-diol; Di-Ac, *in* A-00383
▷Digitoxigenin, D-00274
Prebediolone acetate, *in* H-00205

$C_{23}H_{34}O_5$
Compactin, C-00539
3,11,14-Trihydroxy-20(22)-cardenolide, T-00473
3,14,16-Trihydroxy-20(22)-cardenolide, T-00474

$C_{23}H_{34}O_6$
3α-Hydroxycompactin, *in* C-00539
3β-Hydroxycompactin, *in* C-00539

$C_{23}H_{34}O_8$
1,3,5,11,14,19-Hexahydroxy-20(22)-cardenolide, H-00053

$C_{23}H_{34}O_{11}$
Anguidol; 15-Ac, 4-(α-D-glucopyranosyl), *in* A-00386

$C_{23}H_{35}ClN_2O_2$
Pipramadol, P-00306

$C_{23}H_{35}NO_2$
Tonazocine, T-00379
Zenazocine, Z-00008

$C_{23}H_{35}N_3O$
Dizactamide, D-00558

$C_{23}H_{36}H_4O_5S_3$
▷Octotiamine, O-00023

$C_{23}H_{36}NO_5S$
SRS-A, S-00136

$C_{23}H_{36}N_6O_5S$
Argatroban, A-00440

$C_{23}H_{36}O_2$
Dimepregnen, D-00381

$C_{23}H_{36}O_3$
Drostanolone propionate, *in* H-00153
Methandriol propionate, *in* M-00225
Propetandrol, P-00500

$C_{23}H_{36}O_5$
Viprostol, V-00051

$C_{23}H_{36}O_7$
Pravastatin, P-00403

$C_{23}H_{38}ClN_3O$
Disobutamide, D-00535

$C_{23}H_{38}O$
Teprenone, JAN, T-00078

$C_{23}H_{38}O_2$
Rosterolone, R-00094

$C_{23}H_{38}O_4$
11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid, D-00322
Trimoprostil, T-00517

$C_{23}H_{38}O_5$
▷Gemeprost, G-00015

$C_{23}H_{38}O_6$
Ornoprostil, O-00060

$C_{23}H_{39}NO_2$
Cetaben, *in* A-00216

$C_{23}H_{40}I_2N_2O_3$
▷Piprocurarium iodide, *in* P-00308

$C_{23}H_{40}N_2O_3^{\oplus\oplus}$
Piprocurarium(2+), P-00308

$C_{23}H_{40}N_4O_{11}$
Murabutide, M-00470

$C_{23}H_{40}O_6$
Mexiprostil, M-00352

$C_{23}H_{41}ClN_2O$
▷Metalkonium chloride, *in* M-00147

$C_{23}H_{41}N_2O^{\oplus}$
Metalkonium(1+), M-00147

$C_{23}H_{42}ClN$
▷Miristalkonium chloride, *in* B-00116

$C_{23}H_{42}ClNO_2$
Benzoxonium chloride, *in* B-00117

$C_{23}H_{42}N^{\oplus}$
Benzyldimethyl(tetradecyl)ammonium(1+), B-00116

$C_{23}H_{42}NO_2^{\oplus}$
Benzyldodecylbis(2-hydroxyethyl)ammonium(1+), B-00117

$C_{23}H_{42}N_2$
Epipachysamine C, *in* P-00416
Funtudiamine A, *in* P-00416

$C_{23}H_{42}N_2O_{12}$
▷Pentolinium tartrate, *in* P-00102

$C_{23}H_{45}N_5O_4$
▷Paromomycin II, *in* P-00039

$C_{23}H_{45}N_5O_{13}$
6-Deoxyparamomycin I, *in* P-00039
6-Deoxyparomycin II, *in* P-00039

$C_{23}H_{45}N_5O_{14}$
▷Paromomycin, P-00039

$C_{23}H_{46}N_2O_3$
Pendecamaine, P-00060

$C_{23}H_{46}N_6O_{13}$
▷Neomycin *B*, N-00068
▷Neomycin *C*, N-00069

$C_{24}H_{18}O_3$
1,3,5-Triphenoxybenzene, *in* B-00076

$C_{24}H_{18}O_6$
Fluorescein; Et ester, Ac, *in* F-00180
Phenolphthalein; Di-Ac, *in* P-00162

$C_{24}H_{19}ClN_4O_3$
Nicafenine, N-00084

$C_{24}H_{19}NO_5$
Oxyphenisatin acetate, *in* O-00160

$C_{24}H_{19}NO_6$
2,2-Bis[4-(acetyloxy)phenyl]-2*H*-1,4-benzoxazin-3(4*H*)-one, *in* B-00234

$C_{24}H_{20}Cl_2N_2OS$
▷Fenticonazole, F-00080

$C_{24}H_{20}Cl_2N_2O_3S$
Tolufazepam, T-00372

$C_{24}H_{20}I_6N_4O_8$
▷Iocarmic acid, I-00093

$C_{24}H_{20}N_4O_8$
Antibiotic MG 883-12F_2, *in* S-00162
10′-Demethylstreptonigrin, *in* S-00162

$C_{24}H_{20}O_5$
Fluorescein; Et ester, Et ether, *in* F-00180

$C_{24}H_{20}O_6$
Glycerol; Tribenzoyl, *in* G-00064

$C_{24}H_{20}O_7$
Citric acid; Triphenyl ester, *in* C-00402

$C_{24}H_{21}Br_3I_3N_5O_8$
Ioxabrolic acid, I-00147

$C_{24}H_{21}I_6N_5O_8$
Ioxaglic acid, I-00148

$C_{24}H_{21}NO_5$
3-Amino-1,2-propanediol; Tribenzoyl, *in* A-00317

$C_{24}H_{21}N_3O_3$
1,3,5-Triazine-2,4,6-triol; Tribenzyl ether, *in* T-00423

$C_{24}H_{21}N_5O_6$
Adenosine; 3′,5′-Dibenzoyl, *in* A-00067

$C_{24}H_{22}I_6N_2O_9$
Iotranic acid, I-00141

$C_{24}H_{22}O_4$
Phenolphthalein; Et ester, Et ether (open-chain form), *in* P-00162

$C_{24}H_{23}NO_4$
Morphine; 6-Benzoyl, *in* M-00449

$C_{24}H_{23}N_3O_4$
Citric acid; Trianilide, *in* C-00402

$C_{24}H_{23}N_3O_6S$
Talampicillin, T-00005

$C_{24}H_{24}ClNO_3$
Eniclobrate, E-00055

$C_{24}H_{24}N_2$
Acridorex, A-00048

$C_{24}H_{24}N_2O_4$
Abecarnil, A-00001
▷Nicocodine, N-00095

$C_{24}H_{24}N_4O_4S$
4-(*N*-Methylcarboxamido)-5-methylamsacrine, M-00239

$C_{24}H_{25}F_4NOS$
▷Piflutixol, P-00248

$C_{24}H_{25}NO_4$
Flavoxate, F-00112

$C_{24}H_{25}NS$
Tixadil, T-00328

$C_{24}H_{25}N_3O_2$
Panuramine, P-00017

$C_{24}H_{26}BrN_3O_3$
▷Nicergoline, N-00089

$C_{24}H_{26}FN_3O$
Biriperone, B-00183

$C_{24}H_{26}FN_3O_2$
Metrenperone, M-00342

$C_{24}H_{26}FN_3O_3$
Butanserin, B-00392

$C_{24}H_{26}N_2O$
Belarizine, B-00029

$C_{24}H_{26}N_2O_4$
Carvedilol, C-00105
Nicodicodine, *in* N-00095

$C_{24}H_{26}N_2O_6$
▷Suxibuzone, S-00283

$C_{24}H_{26}N_4$
Ropizine, R-00090

$C_{24}H_{26}O_4$
▷Estrofurate, E-00129

$C_{24}H_{26}O_5$
Pentomone, P-00103

$C_{24}H_{27}ClN_2O_3S$
Furomazine, F-00296

$C_{24}H_{27}N$
▷Prenylamine, P-00423

$C_{24}H_{27}NO_2$
Cyheptropine, *in* D-00282
Levophenacylmorphan, L-00039
Octocrilene, *in* C-00582

$C_{24}H_{27}NO_6$
▷Mecinarone, M-00043

$C_{24}H_{27}NO_7$
N-Deacetyl-N-3-oxobutyrylcolchicine, *in* C-00534

$C_{24}H_{27}NS$
Tiopropamine, T-00303

$C_{24}H_{27}N_3$
Centphenaquin, C-00168

$C_{24}H_{27}N_3O_3$
Trequinsin, T-00415

$C_{24}H_{28}Br_2N_2O_4$
▷Brovanexine, B-00330

$C_{24}H_{28}ClFN_2O_2$
▷Amiperone, A-00343

$C_{24}H_{28}ClNO_4$
Phenactropinium chloride, *in* P-00137

$C_{24}H_{28}ClN_3OS$
Clotixamide, C-00511

$C_{24}H_{28}ClN_5O_3$
▷Diphenhydramine teoclate, *in* D-00484

$C_{24}H_{28}Cl_2F_2O_4$
Tralonide, T-00394

$C_{24}H_{28}Cl_3FO_4$
Triclonide, T-00452

$C_{24}H_{28}FN_3O$
▷Spirilene, S-00121

$C_{24}H_{28}NO_4^{\oplus}$
Phenactropinium(1+), P-00137

$C_{24}H_{28}N_2O_2$
Meletimide, M-00079

$C_{24}H_{28}N_2O_3$
Naftopidil, N-00025

$C_{24}H_{28}N_2O_5$
Benazepril, *in* B-00038

$C_{24}H_{28}N_4O_2$
Altapizone, A-00154

$C_{24}H_{28}N_4O_5S$
Glisindamide, G-00046

$C_{24}H_{28}N_6O_5$
Quinespar, Q-00020
Spirofylline, S-00122

$C_{24}H_{28}N_6O_{10}S$
Fomidacillin, F-00239

$C_{24}H_{28}O_3$
4-[3-(3,5-Di-*tert*-butylphenyl)-3-oxo-1-propenyl]benzoic acid, D-00174
Spirorenone, S-00127

$C_{24}H_{28}O_4$
▷Diethylstilbestrol dipropionate, *in* D-00257

$C_{24}H_{28}O_6Ti$
Budotitane, B-00345

$C_{24}H_{29}BrFNO_3$
Flutropium bromide, *in* F-00233

$C_{24}H_{29}ClO_4$
▷Cyproterone acetate, *in* C-00651

$C_{24}H_{29}Cl_2FO_5$
Fluclorolone acetonide, F-00138

$C_{24}H_{29}Cl_3O_5$
Genovul, *in* C-00518

$C_{24}H_{29}FNO_3^{\oplus}$
Flutropium(1+), F-00233

$C_{24}H_{29}FN_2O_2$
Aceperone, A-00014

$C_{24}H_{29}FN_4O$
Irindalone, I-00170

$C_{24}H_{29}FO_6$
Acrocinonide, *in* T-00419
Corticoderm, *in* F-00207

$C_{24}H_{29}F_3O_6$
Cormethasone acetate, *in* C-00544
▷Froxiprost, F-00266

$C_{24}H_{29}NO$
Dexclamol, D-00112
▷Phenomorphan, P-00164

$C_{24}H_{29}NO_4$
▷Ethaverine, E-00150

$C_{24}H_{29}NO_4S$
Etolotifen, E-00255

$C_{24}H_{29}NO_5S_2$
Sevitropium mesilate, *in* S-00059

$C_{24}H_{29}N_3O_3$
6-(3,4-Dimethoxyphenyl)-1-ethyl-3,4-dihydro-3-methyl-4-[(2,4,6-trimethylphenyl)imino]-2(1*H*)-pyrimidinone, D-00401

$C_{24}H_{29}N_3O_4$
Idanpramine, I-00015

$C_{24}H_{30}BrNO_4$
Tropenziline bromide, *in* T-00551

$C_{24}H_{30}ClFO_5$
Clocortolone acetate, *in* C-00444

$C_{24}H_{30}FNa_2O_9P$
Triamcinolone acetonide sodium phosphate, *in* T-00419

$C_{24}H_{30}F_2O_6$
Flumethasone acetate, *in* F-00156
▷Fluocinolone acetonide, *in* F-00172

$C_{24}H_{30}NO_4^{\oplus}$
Tropenziline(1+), T-00551

$C_{24}H_{30}N_2O_2$
Desmethylmoramide, D-00096
▷Doxapram, D-00591

$C_{24}H_{30}N_2O_2S$
▷Piperacetazine, P-00282

$C_{24}H_{30}N_2O_3$
Anileridine; *N*-Ac; B,HCl, *in* A-00390
▷Carfentanil, C-00075

$C_{24}H_{30}N_2O_4$
Draquinolol, D-00600

$C_{24}H_{30}N_2O_8$
▷Mitopodozide, *in* P-00376

$C_{24}H_{30}O_2$
Doretinal, D-00585

$C_{24}H_{30}O_4$
Gummosinin, *in* H-00114
Hexestrol dipropionate, *in* B-00220
Testosterone furoate, *in* H-00111

$C_{24}H_{30}O_5$
▷Galbanic acid, G-00003
Taprostene, T-00027

$C_{24}H_{30}O_6$
17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione; 21-Ac, *in* D-00336
Oestriol; Tri-Ac, *in* O-00030

$C_{24}H_{30}O_8$
▷Desaspidin, D-00091
Merochlorophaeic acid, M-00127

$C_{24}H_{31}ClO_4$
Clomegestone acetate, *in* C-00466

$C_{24}H_{31}FO_5$
▷Descinolone acetonide, *in* D-00092
Fluocortolone; 21-Ac, *in* F-00175
Fluorometholone acetate, *in* F-00186

$C_{24}H_{31}FO_5S$
Timobesone acetate, *in* T-00286

$C_{24}H_{31}FO_6$
Betamethasone acetate, JAN, *in* B-00141
▷Dexamethasone acetate, *in* D-00111
▷Flunisolide, F-00167
Fluperolone acetate, *in* F-00201
▷Paramethasone acetate, *in* P-00025
▷Triamcinolone acetonide, *in* T-00419

$C_{24}H_{31}F_3O_4$
Flumedroxone acetate, *in* F-00154

$C_{24}H_{31}NO$
4,4-Diphenyl-6-(1-piperidinyl)-3-heptanone, D-00509

$C_{24}H_{31}NO_3$
Pipoxizine, P-00303

$C_{24}H_{31}NO_4$
Drotaverine, D-00611
Fenaftic acid, F-00032

$C_{24}H_{31}NO_6$
Guan-fu base A, *in* H-00136

$C_{24}H_{31}N_3O$
Famprofazone, F-00016
Homopipramol, H-00085

$C_{24}H_{31}N_3OS$
▷Butaperazine, B-00394

$C_{24}H_{31}N_3O_2S$
Carphenazine, C-00095

$C_{24}H_{31}N_3O_3$
Milipertine, M-00375
Selprazine, S-00039

$C_{24}H_{31}N_3O_7$
▷Sibiromycin, S-00064

$C_{24}H_{32}ClFO_5$
▷Halcinonide, H-00004

$C_{24}H_{32}N_2O_2$
Eprazinone, E-00091

$C_{24}H_{32}N_2O_5$
Falipamil, F-00011
Metoserpate, M-00336

$C_{24}H_{32}N_2O_9$
Antimycin A_5, *in* A-00415

$C_{24}H_{32}N_4O_2S$
Tiospirone, T-00304

$C_{24}H_{32}O_2$
Quinbolone, Q-00015

$C_{24}H_{32}O_3$
2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthoquinone, C-00620

$C_{24}H_{32}O_4$
3,14-Dihydroxy-4,20,22-bufatrienolide, D-00319
▷Estradiol dipropionate, *in* O-00028
Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), *in* O-00028
▷Ethynodiol diacetate, *in* E-00227
3-Hydroxy-14,15-epoxy-20,22-bufadienolide, H-00128
▷Megestrol acetate, *in* H-00174

$C_{24}H_{32}O_4S$
▷Spironolactone, S-00125

$C_{24}H_{32}O_5$
▷Bovogenin *A*, B-00262
Deprodone propionate, *in* D-00348
Kopetin, *in* H-00114

$C_{24}H_{32}O_6$
▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297
▷Desonide, D-00101
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide, T-00477

$C_{24}H_{32}O_7$
▷Etiproston, E-00239

$C_{24}H_{32}O_{10}$
Acevaltrate, *in* V-00006

$C_{24}H_{33}FO_6$
▷Flurandrenolone, F-00215

$C_{24}H_{33}N$
Doprenilamine, D-00609

$C_{24}H_{33}NO_3$
Denaverine, D-00071
▷Naftidrofuryl, N-00023

$C_{24}H_{33}NO_4$
Acetylsongorine, *in* S-00100

$C_{24}H_{33}NO_5$
Guan-fu Base Z, *in* H-00136

$C_{24}H_{33}N_3O_2S$
▷Dixyrazine, D-00557

$C_{24}H_{33}N_3O_3S_2$
Pipothiazine, P-00302

$C_{24}H_{33}N_3O_4$
Ranolazine, R-00012

$C_{24}H_{33}O_9P$
Desonide phosphate, *in* D-00101

$C_{24}H_{34}N_2O$
Bepridil, B-00134

$C_{24}H_{34}N_2O_2$
▷Euprocin, E-00276

$C_{24}H_{34}N_2O_5$
Indolapril, I-00063
Trandolapril, *in* T-00396

$C_{24}H_{34}N_8O_4S_2$
Thiamine disulfide, T-00176

$C_{24}H_{34}O_3$
Rimexolone, R-00057

$C_{24}H_{34}O_3S$
Spiroxasone, S-00131

$C_{24}H_{34}O_4$
▷Algestone acetonide, *in* A-00114
▷Medroxyprogesterone acetate, *in* H-00175
Proligestone, P-00472

$C_{24}H_{34}O_4S_2$
Thiomesterone, T-00205

$C_{24}H_{34}O_5$
▷Dehydrocholic acid, D-00049
Eptaloprost, E-00096

$C_{24}H_{34}O_6$
▷Gitaloxigenin, *in* T-00474
Mexrenoic acid, M-00355

$C_{24}H_{34}O_7$
Oestradiol; 17-*O*-β-D-Glucopyranoside, *in* O-00028

$C_{24}H_{35}FO_6$
Drocinonide, D-00604

$C_{24}H_{35}NO_3$
Guan-fu base D, G-00105

$C_{24}H_{35}NO_5$
Decoquinate, D-00041

$C_{24}H_{36}BrNO_2$
Ciclotropium bromide, *in* C-00335

$C_{24}H_{36}NO_2^{\oplus}$
Ciclotropium(1+), C-00335

$C_{24}H_{36}N_2O_{18}S_3$
▷Glucosulfone, G-00057

$C_{24}H_{36}N_4O_9$
Cytosamine; 4*N*,2′,3′-Tri-Ac, *in* C-00666

$C_{24}H_{36}N_8O_{10}P_2S_2$
Thiamine monophosphate disulfide, *in* T-00176

$C_{24}H_{36}O_3$
Anagestone acetate, *in* A-00375
▷Nabilone, N-00002
Nandrolone caproate, *in* H-00185

$C_{24}H_{36}O_4$
▷Bolandiol dipropionate, *in* O-00029
17-Methylandrost-5-ene-3,17-diol; Di-Ac, *in* M-00225

$C_{24}H_{36}O_5$
▷Mevinolin, M-00348

$C_{24}H_{36}O_6$
β-Hydroxymevinolin, *in* M-00348

$C_{24}H_{37}ClN_2O_2$
Pipradimadol, P-00305

$C_{24}H_{37}NO_4$
Edifolone, E-00013
Paipunine, P-00003

$C_{24}H_{38}N_2O_2$
▷Laurolinium acetate, *in* L-00017

$C_{24}H_{38}N_2O_4$
Tomoglumide, T-00376

$C_{24}H_{38}N_4O_2$
▷Moxipraquine, M-00465

$C_{24}H_{38}N_4O_4$
Hexonat, *in* H-00055

$C_{24}H_{38}N_4O_4S$
Azamulin, A-00500

$C_{24}H_{38}O_3$
Canbisol, C-00025
17-[(1-Oxopentyl)oxy]androstan-3-one, *in* H-00109

$C_{24}H_{38}O_5$
4,4a-Dihydromevinolin, *in* M-00348
Alfaprostol, A-00110

$C_{24}H_{40}N_2$
▷Conessine, C-00540

$C_{24}H_{40}N_2O$
7α-Hydroxyconessine, *in* C-00540

$C_{24}H_{40}N_2O_6S_2$
▷Benzohexonium, *in* H-00055

$C_{24}H_{40}N_8O_4$
▷Dipyridamole, D-00530

$C_{24}H_{40}O_4$
3,7-Dihydroxy-24-cholanoic acid, D-00320
3,12-Dihydroxy-24-cholanoic acid, D-00321

$C_{24}H_{40}O_5$
Butaprost, B-00395
3,7,12-Trihydroxy-24-cholanoic acid, T-00475

$C_{24}H_{40}O_{10}S_2$
3,7-Bis(sulfooxy)cholan-24-oic acid, B-00236

$(C_{24}H_{40}O_{20})_n$
Schizophyllan, S-00030

$C_{24}H_{42}N_2$
Dihydroconessine, *in* C-00540
Feclemine, F-00025

$C_{24}H_{42}N_2O_3S$
Stearylsulfamide, S-00142

$C_{24}H_{43}NO$
Clinolamide, *in* O-00007

$C_{24}H_{44}N_2$
Dictyophlebine, *in* P-00416
Funtudiamine B, *in* P-00416
Pachysamine A, *in* P-00416

$C_{24}H_{44}N_2O_4$
Suxemerid, S-00281

$C_{24}H_{44}O_6$
▷Sorbitan monooleate, *in* A-00387

$C_{24}H_{45}N_3O_3$
Gallamine, G-00004

$C_{24}H_{46}O_6$
▷Sorbitan monostearate, *in* A-00387

$C_{24}H_{47}N_5O_{14}$
3-N-Methylparomomycin I, *in* P-00039

$C_{24}H_{48}O_3$
2,3-Dihydroxy-1-octadecyloxypropane; Isopropylidene deriv., *in* D-00337

$C_{24}H_{50}BrNO$
Biocidan, *in* C-00182

$C_{24}H_{50}ClNO$
Cethexonium chloride, *in* C-00182

$C_{24}H_{50}NO^{\oplus}$
Cethexonium(1+), C-00182

$C_{25}H_{18}O_{10}S_2$
Menadiol bissulfobenzoate, *in* D-00333

$C_{25}H_{19}NO_2$
5-(Triphenylmethyl)-2-pyridinecarboxylic acid, T-00526

$C_{25}H_{19}NO_3$
▷Fendosal, F-00045

$C_{25}H_{21}ClN_2O_3S$
Pimetacin, P-00256

$C_{25}H_{22}N_4O_8$
▷Streptonigrin, S-00162

$C_{25}H_{22}O_6P_2$
Tetraphenyl methylenebisphosphonate, *in* M-00168

$C_{25}H_{22}O_7$
Erythritol; Tri-*O*-benzoyl, *in* E-00114

$C_{25}H_{22}O_9$
Silymonin, *in* S-00071

$C_{25}H_{22}O_{10}$
Silybin, S-00069
Silychristin, S-00070
Silydianin, S-00071

$C_{25}H_{22}O_{13}$
2,3,3′,4,4′,5′-Hexahydroxybenzophenone; Hexa-Ac, *in* H-00052

$C_{25}H_{23}ClN_2O_7$
Binifibrate, B-00170

$C_{25}H_{23}N_5O_6S$
Apalcillin, A-00421

$C_{25}H_{24}F_3NO_2$
Panomifene, P-00014

$C_{25}H_{24}N_2O_6$
Methyl 3-phenyl-2-propen-1-yl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, M-00292

$C_{25}H_{24}N_8O_7S_2$
Cefpiramide, C-00143

$C_{25}H_{24}O_{12}$
Clitoriacetal; Tri-Ac, *in* C-00432
▷Cynarine, C-00643

$C_{25}H_{25}ClN_2$
Quinaldine blue, *in* E-00190

$C_{25}H_{25}IN_2$
▷Pinacyanol, *in* E-00190

$C_{25}H_{25}N_2^{\oplus}$
1-Ethyl-2-[3-(1-ethyl-2(1*H*)-quinolinylidene)propenyl]-quinolinium, E-00190

$C_{25}H_{25}N_3O$
Trifenagrel, T-00458

$C_{25}H_{25}N_3O_4$
Tris(4-aminophenyl)methanol; 4,4′,4″-Tri-*N*-Ac, *in* T-00532

$C_{25}H_{26}F_2O_8$
Acefluranol, A-00009

$C_{25}H_{26}N_2O$
Savoxepin, S-00029

$C_{25}H_{26}N_2O_2$
▷Medibazine, M-00055

$C_{25}H_{26}N_6O_8S$
Fuzlocillin, F-00304

$C_{25}H_{26}O_2$
▷4-[1-Ethyl-2-[4-(phenylmethoxy)phenyl]-1-butenyl]phenol, *in* D-00257

$C_{25}H_{26}O_3$
Oestrone; Benzoyl, *in* O-00031

$C_{25}H_{27}ClN_2$
▷Meclozine, M-00051

$C_{25}H_{27}ClN_2O_8$
Glucametacin, G-00052

$C_{25}H_{27}NO$
Cinfenine, C-00364

$C_{25}H_{27}N_9O_8S_2$
Cefoperazone, C-00136

$C_{25}H_{28}N_2O_2$
Cinperene, C-00380

$C_{25}H_{28}N_4O_{10}$
Riboflavine; 2′,3′,4′,5′-Tetra-Ac, *in* R-00038

$C_{25}H_{28}O_3$
Etofenoprox, E-00249
▷Oestradiol benzoate, *in* O-00028

$C_{25}H_{29}BrF_2O_7$
▷Halopredone acetate, *in* H-00016

$C_{25}H_{29}ClN_2O_3$
Picumast, P-00244

$C_{25}H_{29}ClN_4O$
Bispyroquine, B-00235

$C_{25}H_{29}FN_2O_2$
Mindoperone, M-00384

$C_{25}H_{29}FN_4O_4S$
Gliflumide, G-00040

$C_{25}H_{29}I_2NO_3$
▷Amiodarone, A-00342

$C_{25}H_{29}NO_2$
Difeterol, D-00266
Prenoverine, P-00421

$C_{25}H_{29}NO_4$
Tropodifene, T-00556

$C_{25}H_{29}N_3O$
▷Nufenoxole, N-00232

$C_{25}H_{29}N_3O_2$
▷Metergoline, M-00159

$C_{25}H_{29}N_3O_3$
Adimolol, A-00070

$C_{25}H_{30}ClNO_3$
▷Trospium chloride, *in* T-00558

$C_{25}H_{30}ClN_3$
▷Gentian violet, *in* B-00209

$C_{25}H_{30}FNO_6$
▷Fluazacort, F-00131

$C_{25}H_{30}NO_3^{\oplus}$
Trospium(1+), T-00558

$C_{25}H_{30}N_2$
▷6,6′-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], M-00250

$C_{25}H_{30}N_2O_5$
Quinapril, *in* Q-00012

$C_{25}H_{30}N_3^{\oplus}$
▷*N*-[4-[Bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+), B-00209

$C_{25}H_{30}N_4O_9S_2$
Sultamicillin, S-00262

$C_{25}H_{30}O_4S$
Mespirenone, M-00135

$C_{25}H_{30}O_8$
Prednisone succinate, *in* P-00413

$C_{25}H_{30}O_{10}$
Salprotoside, S-00020

$C_{25}H_{31}ClF_2O_5$
Ulobetasol propionate, *in* U-00006

$C_{25}H_{31}ClF_2O_5S$
Cloticasone propionate, *in* C-00509

$C_{25}H_{31}FO_8$
Fluprednisolone hemisuccinate, *in* F-00208
▷Triamcinolone diacetate, *in* T-00419

$C_{25}H_{31}F_3O_5S$
Fluticasone propionate, *in* F-00227

$C_{25}H_{31}NO$
Butaclamol, B-00382

$C_{25}H_{31}NO_3$
Methindizate, M-00181
Testosterone nicotinate, *in* H-00111

$C_{25}H_{31}NO_4$
Fenperate, F-00068
Phenoperidine; Ac; B,HCl, *in* P-00165

$C_{25}H_{31}NO_6$
▷Deflazacort, D-00046

$C_{25}H_{31}NO_9$
Ryania Diterpene ester B, *in* R-00108

$C_{25}H_{31}N_3O_2$
Befiperide, B-00026

$C_{25}H_{31}N_3O_4$
Alpertine, A-00146

$C_{25}H_{31}N_5O_8$
▷Metscufylline, *in* E-00137

$C_{25}H_{32}BrNOS$
Tipetropium bromide, *in* T-00312

$C_{25}H_{32}ClFO_5$
▷Clobetasol propionate, *in* C-00437

$C_{25}H_{32}ClN_5OS$
Imiclopazine, I-00028

$C_{25}H_{32}ClN_5O_2$
Nefazodone, N-00061

$C_{25}H_{32}Cl_2O_6$
Ethyl 5,6-bis-*O*-(4-chlorobenzyl)-3-*O*-propyl glucoside, E-00175

$C_{25}H_{32}NOS^{\oplus}$
Tipetropium(1+), T-00312

$C_{25}H_{32}N_2O_2$
Moramide, M-00437

$C_{25}H_{32}N_2O_2S$
Sunagrel, S-00270

$C_{25}H_{32}N_2O_3$
Lofentanil, L-00073

$C_{25}H_{32}N_2O_7$
Bometolol, B-00251

$C_{25}H_{32}N_2O_8$
▷Niludipine, N-00142

$C_{25}H_{32}N_4O$
▷Retelliptine, R-00032

$C_{25}H_{32}N_4O_2$
Pipebuzone, P-00276

$C_{25}H_{32}N_4O_2S$
Tioperidone, T-00301

$C_{25}H_{32}O_2$
▷Quinestrol, *in* E-00231

$C_{25}H_{32}O_3$
Nylestriol, N-00234

$C_{25}H_{32}O_4$
▷Melengestrol acetate, *in* M-00078
Nandrolone furylpropionate, *in* H-00185
Naxaprostene, N-00054

$C_{25}H_{32}O_5$
Methyl galbanate, *in* G-00003

$C_{25}H_{32}O_8$
Prednisolone succinate, *in* P-00412

$C_{25}H_{33}ClN_2O_2$
Lobuprofen, L-00067

$C_{25}H_{33}ClN_2O_4$
Nisterime, N-00161

$C_{25}H_{33}ClO_5$
Clogestone acetate, *in* C-00463

$C_{25}H_{33}FO_6$
Flugestone; Di-Ac, *in* F-00150

$C_{25}H_{33}NO_2$
Nonabine, N-00202

$C_{25}H_{33}NO_4$
▷Etorphine, E-00263

$C_{25}H_{33}NO_7$
▷Bundlin *A*, B-00362

$C_{25}H_{33}NO_9$
Dehydroryanodine, *in* R-00108

$C_{25}H_{33}N_3O_2S$
Oxaprazine, O-00090

$C_{25}H_{34}NO_3$
2,7-Dihydroxy-9*H*-fluoren-9-one; Bis(diethylaminoethyl) ether, *in* D-00327

$C_{25}H_{34}N_2O_2$
Oxiramide, O-00118

$C_{25}H_{34}N_2O_3$
▷Tilorone, T-00277

$C_{25}H_{34}N_2O_4$
Fexicaine, F-00097

$C_{25}H_{34}N_2O_9$
▷Antimycin A_4, *in* A-00415

$C_{25}H_{34}N_4O_9$
KB 2413, *in* E-00166

$C_{25}H_{34}O_2$
Quingestanol, Q-00024

$C_{25}H_{34}O_3$
Estradiol hexahydrobenzoate, *in* O-00028

$C_{25}H_{34}O_4$
Metynodiol diacetate, *in* M-00346

$C_{25}H_{34}O_6$
Budesonide, B-00344

$C_{25}H_{34}O_8$
Hydrocortisone hemisuccinate, *in* C-00548

$C_{25}H_{35}NO_5$
▷Mebeverine, M-00033

$C_{25}H_{35}NO_8S$
Troxypyrrolium tosylate, *in* T-00561

$C_{25}H_{35}NO_9$
▷Ryanodine, R-00108

$C_{25}H_{35}NO_{10}$
Ryania Diterpene ester C_1, *in* R-00108

$C_{25}H_{36}O_3$
Estradiol enanthate, *in* O-00028
Nandrolone cyclohexane carboxylate, *in* H-00185

$C_{25}H_{36}O_5$
Pregnenolone succinate, *in* H-00205

$C_{25}H_{36}O_6$
▷Digicorigenin, *in* T-00474
▷Hydrocortisone butyrate, *in* C-00548
21-Hydroxy-3,20-pregnanedione; 21-(3-Carboxypropanoyl), *in* H-00201
▷Oleandrigenin, *in* T-00474

$C_{25}H_{37}ClO_3$
Clostebol caproate, *in* C-00506

$C_{25}H_{37}NO_2$
Quadazocine, Q-00001

$C_{25}H_{37}NO_4$
Salmeterol, S-00019

$C_{25}H_{37}N_3O$
Diamocaine, D-00140

$C_{25}H_{38}N_2O$
Bunamidine, B-00359

$C_{25}H_{38}O_2$
Penmesterol, P-00072

$C_{25}H_{38}O_3$
Testosterone isocaproate, *in* H-00111

$C_{25}H_{38}O_4$
▷Androstenediol dipropionate, *in* A-00383
Oxprenoic acid, O-00144

$C_{25}H_{38}O_5$
Simvastatin, S-00075

$C_{25}H_{40}O_2S$
▷Mepitiostane, M-00100

$C_{25}H_{41}ClO_3$
2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, C-00246

$C_{25}H_{42}O_5$
3,7,12-Trihydroxy-24-cholanoic acid; Me ester, *in* T-00475

$C_{25}H_{43}NO_3$
Minaxolone, M-00382

$C_{25}H_{43}NO_{18}$
Acarbose, A-00005

$C_{25}H_{43}N_{13}O_{10}$
▷Tuberactinomycin *N*, T-00569
▷Viomycin, V-00050

$C_{25}H_{44}ClN_3O_2$
Dofamium chloride, *in* D-00569

$C_{25}H_{44}N_2O$
Azacosterol, A-00495

$C_{25}H_{44}N_3O_2^{\oplus}$
Dofamium(1+), D-00569

$C_{25}H_{44}N_{14}O_7$
▷Capreomycin I*B*, *in* C-00031

$C_{25}H_{44}N_{14}O_8$
▷Capreomycin I*A*, *in* C-00031

$C_{25}H_{46}BrNO_2$
Amantanium bromide, *in* A-00163

$C_{25}H_{46}ClN$
Cetalkonium chloride, *in* B-00118

$C_{25}H_{46}N^{\oplus}$
Benzylhexadecyldimethylammonium(1+), B-00118

$C_{25}H_{46}NO_2^{\oplus}$
Amantanium(1+), A-00163

$C_{25}H_{46}N_2$
Dihydrokurchessine, *in* P-00416

N-Methylpachysamine A, *in* P-00416

$C_{25}H_{47}N_5O_{15}$
N^1-Acetylparomomycin I, *in* P-00039

$C_{25}H_{48}N_6O_8$
▷Deferoxamine, D-00044

$C_{25}H_{48}O_5$
2,3-Dihydroxy-1-octadecyloxypropane; Di-Ac, *in* D-00337

$C_{25}H_{49}N_5O_{14}$
2′-*N*-Ethylparamomycin, *in* P-00039

$C_{26}H_{18}CuN_4O_8$
Cuprimyxin, C-00577

$C_{26}H_{19}N_3O_{10}S_3$
Anazolene, A-00379

$C_{26}H_{20}Cl_4FN_2O_2^{\oplus}$
Fludazonium(1+), F-00143

$C_{26}H_{20}Cl_5FN_2O_2$
Fludazonium chloride, *in* F-00143

$C_{26}H_{21}NO_6$
▷Triacetyldiphenolisatin, *in* O-00160

$C_{26}H_{22}Cl_2N_2O_3$
Doconazole, D-00563

$C_{26}H_{22}O_8$
Xylose; 1,2,4-Tribenzoyl, *in* X-00024
Xylose; 2,3,4-Tribenzoyl, *in* X-00024

$C_{26}H_{23}Cl_4N_2O^{\oplus}$
Sepazonium(1+), S-00043

$C_{26}H_{23}Cl_5N_2O$
Sepazonium chloride, *in* S-00043

$C_{26}H_{25}Cl_2N_3O$
Tebuquine, T-00046

$C_{26}H_{25}IN_2S$
Bidimazium iodide, *in* B-00159

$C_{26}H_{25}NO_3$
Ansoxetine, A-00399

$C_{26}H_{25}N_2S^{\oplus}$
Bidimazium(1+), B-00159

$C_{26}H_{25}N_3O_3S$
Fenoverine, F-00065

$C_{26}H_{26}F_2N_2$
Flunarizine, F-00165

$C_{26}H_{26}I_6N_2O_{10}$
▷Iodoxamic acid, I-00108

$C_{26}H_{26}N_2$
Azipramine, A-00526

$C_{26}H_{26}N_2O_3$
Naltrindole, N-00035

$C_{26}H_{26}N_2O_5$
20-Hexanoylcamptothecin, *in* C-00024

$C_{26}H_{26}N_2O_6$
Mecrifurone, M-00052

$C_{26}H_{26}N_2O_6S$
Carindacillin, C-00077

$C_{26}H_{26}N_4O_4S$
Bentiamine, B-00067

$C_{26}H_{26}O_{18}$
Amritoside, *in* E-00026

$C_{26}H_{27}Br_2N_7$
▷Pyrithidium bromide, *in* P-00589

$C_{26}H_{27}ClN_2$
Clocinizine, C-00443

$C_{26}H_{27}ClN_2O$
Lofepramine, L-00074

$C_{26}H_{27}NO_9$
11-Deoxycarminomycin I, *in* C-00081
▷Idarubicin, I-00016

$C_{26}H_{27}NO_{10}$
▷Carminomycin I, C-00081
Medorubicin, *in* A-00080
4-O-Demethyl-11-deoxydoxorubicin, *in* A-00080

$C_{26}H_{27}N_3O_4S$
Nictiazem, N-00106

$C_{26}H_{27}N_5O_2$
Cabergoline, C-00002

$C_{26}H_{27}N_7^{\oplus\oplus}$
Pyritidium(2+), P-00589

$C_{26}H_{28}ClNO$
▷Clomiphene, C-00471
▷Phenacridane chloride, *in* H-00074
Toremifene, T-00388

$C_{26}H_{28}ClNO_2$
Clomifenoxide, *in* C-00471

$C_{26}H_{28}ClN_3$
▷Pyrvinium chloride, *in* V-00052

$C_{26}H_{28}ClN_3O_6S$
Fibracillin, F-00102

$C_{26}H_{28}Cl_2N_4O_4$
▷Ketoconazole, K-00016

$C_{26}H_{28}NO^{\oplus}$
9-[4-(Hexyloxy)phenyl]-10-methylacridinium(1+), H-00074

$C_{26}H_{28}N_2$
Cinnarizine, C-00372

$C_{26}H_{28}N_3^{\oplus}$
Viprynium(1+), V-00052

$C_{26}H_{28}N_4O_2$
1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*][4,1]-benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, D-00292

$C_{26}H_{29}FN_2O_2$
Cabastine, C-00001

$C_{26}H_{29}F_2N_7$
▷Almitrine, A-00139

$C_{26}H_{29}NO$
Tamoxifen, T-00023

$C_{26}H_{29}NO_2$
Droloxifene, D-00607

$C_{26}H_{29}NO_3$
Aminoxytriphene, A-00341
Doxaminol, D-00590

$C_{26}H_{29}NO_8$
4-O-Demethyl-11,13-dideoxydaunorubicin, *in* C-00081

$C_{26}H_{29}NO_9$
4-O-Demethyl-11-deoxy-13-dihydrodaunorubicin, *in* C-00081

$C_{26}H_{29}N_3O_6$
Nicardipine, N-00088

$C_{26}H_{30}ClFN_2O_2$
Haloperidide, H-00014

$C_{26}H_{30}Cl_2F_3NO$
Halofantrine, H-00007

$C_{26}H_{30}N_4O_{10}$
Riboflavine; Tetra-Ac, 3*N*-Me, *in* R-00038

$C_{26}H_{31}Cl_2N_3$
Aminoquinol, A-00331

$C_{26}H_{31}Cl_2N_5O_3$
Terconazole, T-00086

$C_{26}H_{31}IN_4$
Tozocide, *in* A-00284

$C_{26}H_{31}NO_3$
2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate, M-00277

$C_{26}H_{31}N_3O_2S$
Pretiadil, P-00426

$C_{26}H_{31}N_4^{\oplus}$
4-Amino-2-methyl-1-[6-[(2-methyl-4-quinolinyl)amino]hexyl]-quinolinium(1+), A-00284

$C_{26}H_{32}ClFO_5$
▷Clobetasone butyrate, *in* C-00437

$C_{26}H_{32}F_2O_7$
Diflorasone diacetate, *in* D-00267
▷Fluocinonide, F-00173

$C_{26}H_{32}F_3N_3O_2S$
Oxaflumazine, O-00077

$C_{26}H_{32}N_2O_5$
Delapril, D-00051

$C_{26}H_{32}N_2O_8$
Tritoqualine, T-00541

$C_{26}H_{32}O_8$
Meprednisone hydrogen succinate, *in* D-00336

$C_{26}H_{32}O_9$
Oestriol succinate, *in* O-00030

$C_{26}H_{33}Cl_2N_3O_4$
▷Asaphan, A-00453

$C_{26}H_{33}Cl_2N_3O_5$
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-tyrosine ethyl ester, *in* A-00453

$C_{26}H_{33}Cl_2N_3O_6$
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-3,4-dihydroxyphenylalanine ethyl ester, *in* A-00453

$C_{26}H_{33}FO_7$
Flunisolide acetate, *in* F-00167

$C_{26}H_{33}FO_8$
Betamethasone succinate, *in* B-00141
Dexamethasone succinate, *in* D-00111

$C_{26}H_{33}F_3N_2O_2$
Frabuprofen, F-00263

$C_{26}H_{33}F_3N_2O_5$
Flordipine, F-00122

$C_{26}H_{33}NO_2$
N-(4-Hydroxyphenyl)retinamide, H-00197

$C_{26}H_{33}NO_4$
Cyprenorphine, C-00646

$C_{26}H_{33}NO_6$
Lacidipine, *in* D-00430
Piprofurol, P-00309

$C_{26}H_{33}NO_7$
Guan-fu base G, *in* H-00136

$C_{26}H_{33}N_3O_6$
Ecastolol, E-00004

$C_{26}H_{33}N_5O_2$
Nilprazole, N-00141

$C_{26}H_{34}F_2O_7$
Flumoxonide, F-00163

$C_{26}H_{34}N_2O_4$
1,4-Bis[2-(diethylamino)ethoxy]anthraquinone, B-00205

$C_{26}H_{34}O_3$
▷17-(Benzoyloxy)androstan-3-one, *in* H-00109

$C_{26}H_{34}O_5$
3-Hydroxy-14,15-epoxy-20,22-bufadienolide; Ac, *in* H-00128

$C_{26}H_{34}O_7$
▷Fumagillin, F-00273
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; 3-Ac, *in* T-00477

$C_{26}H_{34}O_8$
Agrimophol, A-00085

$C_{26}H_{35}FO_5$
▷Fluocortin butyl, *in* F-00174

$C_{26}H_{35}FO_6$
Amcinafal, *in* T-00419
Fluprednisolone valerate, *in* F-00208

$C_{26}H_{35}NO_4$
▷Diprenorphine, D-00520
Diproteverine, D-00527
Piriprost, P-00334

$C_{26}H_{35}NO_6$
Guan-fu base F, G-00107

$C_{26}H_{35}NO_{10}$
Ryania Diterpene ester D, *in* R-00108

$C_{26}H_{35}O_4$
Hexabolan, *in* T-00410

$C_{26}H_{36}N_2O_3$
Devapamil, D-00110
Sergolexole, S-00047

$C_{26}H_{36}N_2O_4$
Bisobrin, B-00232

$C_{26}H_{36}N_2O_4S_2$
Tiadenol nicotinate, *in* B-00217

$C_{26}H_{36}N_2O_9$
▷Antimycin A_3, *in* A-00415

$C_{26}H_{36}N_4O_6S$
Syndyphalin, S-00285

$C_{26}H_{36}O_3$
▷Estradiol cypionate, *in* O-00028

$C_{26}H_{36}O_5$
Dicirenone, D-00208
Domoprednate, D-00574

$C_{26}H_{36}O_6$
Prednisolone pivalate, *in* P-00412
▷Prednisolone valerate, *in* P-00412

$C_{26}H_{36}O_7$
Hydrocortisone aceponate, *in* C-00548

$C_{26}H_{37}NO_4$
Topicaine, T-00381

$C_{26}H_{37}NO_6$
Dehydrocholylglycine, *in* D-00049

$C_{26}H_{37}NO_8S_2$
Tiapamil, T-00241

$C_{26}H_{37}NO_{10}$
Ryania Diterpene ester A, *in* R-00108

$C_{26}H_{38}BrNO_3$
Octibenzonium bromide, *in* O-00021

$C_{26}H_{38}ClNO_3$
Octibenzonium(1+); Chloride, *in* O-00021

$C_{26}H_{38}NO_3^{\oplus}$
Octibenzonium(1+), O-00021

$C_{26}H_{38}N_2O_3$
2′,4′-[Bis(2-diethylamino)ethoxy]-2-phenylacetophenone, B-00206
Prospasmin, P-00526

$C_{26}H_{38}N_2O_4$
Mazipredone, M-00030

$C_{26}H_{38}N_2O_6P_2S_4$
Zilantel, Z-00014

$C_{26}H_{38}O_2$
17-Acetyl-6-methyl-16,24-cyclo-21-norchol-4-en-3-one, A-00038
Quingestrone, Q-00025

$C_{26}H_{38}O_3$
Nandrolone cipionate, *in* H-00185
Pentagestrone, P-00080
▷Testosterone hexahydrobenzoate, *in* H-00111

$C_{26}H_{38}O_4$
Deoxycortone pivalate, *in* H-00203
▷Gestonorone caproate, *in* G-00023
Oxabolone cipionate, O-00072

$C_{26}H_{38}O_5$
Edogestrone, E-00014
Ethyl dehydrocholate, *in* D-00049

$C_{26}H_{38}O_5S$
Tixocortol pivalate, *in* D-00328

$C_{26}H_{38}O_6$
Hydrocortisone valerate, *in* C-00548

$C_{26}H_{40}O_3$
Dehydroepiandrosterone enanthate, *in* H-00110
Mesabolone, M-00130
▷Testosterone enanthate, *in* H-00111

$C_{26}H_{41}BrNO_4^{\oplus}$
Pinaverium(1+), P-00267

$C_{26}H_{41}Br_2NO_4$
▷Pinaverium bromide, *in* P-00267

$C_{26}H_{41}NO$
▷Melinamide, M-00080

$C_{26}H_{42}O_2$
Androgenol, *in* H-00154

$C_{26}H_{42}O_3$
17-[(1-Oxoheptyl)oxy]androstan-3-one, *in* H-00109

$C_{26}H_{43}IN_2$
Stercuronium iodide, *in* S-00146

$C_{26}H_{43}NO_3$
N-(4-Hydroxy-3-methoxybenzyl)-9-octadecenamide, H-00149

$C_{26}H_{43}NO_5$
Glycochenodeoxycholic acid, *in* D-00320
▷Glycodeoxycholic acid, *in* D-00321
Glycoursodeoxycholic acid, *in* D-00320

$C_{26}H_{43}N_2^{\oplus}$
Stercuronium(1+), S-00146

$C_{26}H_{44}O_9$
▷Pseudomonic acid *A*, P-00552

$C_{26}H_{45}NO_6S$
Taurochenodeoxycholic acid, *in* D-00320

$C_{26}H_{45}NO_7S$
▷Taurocholic acid, T-00031

$C_{26}H_{45}NO_7SSe$
Tauroselcholic acid, T-00034

$C_{26}H_{46}I_2N_2$
Chandonium iodide, *in* C-00188

$C_{26}H_{46}N_2^{\oplus\oplus}$
Chandonium(2+), C-00188

$C_{26}H_{46}N_2O$
Epipachysamine A, *in* P-00416
N^3-Acetylpachysamine A, *in* P-00416
Saracodine, *in* P-00416

$C_{26}H_{48}N_6S_2$
Pyrextramine, P-00567

$C_{26}H_{50}BrNO_2$
▷Penoctonium bromide, *in* P-00073

$C_{26}H_{50}NO_2^{\oplus}$
Penoctonium(1+), P-00073

$C_{26}H_{54}N_{10}O_2$
Ipexidine, I-00151

$C_{26}H_{56}NO_5PS$
Ilmofosine, I-00022

$C_{26}H_{56}N_{10}$
Alexidine, A-00107

$C_{27}H_{18}InN_3O_3$
Tris(8-quinolinato)indium, *in* H-00211

$C_{27}H_{18}O_6$
1,3,5-Benzenetriol; Tribenzoyl, *in* B-00076

$C_{27}H_{20}ClNO_6$
Talmetacin, T-00011

$C_{27}H_{20}N_4O$
Pyrinoline, P-00588

$C_{27}H_{21}Cl_2N_3O_7$
Rebeccamycin, R-00017

$C_{27}H_{22}ClN_3O_7$
11-Deschlororebeccamycin, *in* R-00017

$C_{27}H_{22}Cl_2N_4$
▷Clofazimine, C-00450

$C_{27}H_{22}F_4N_4O_3S$
Losulazine, L-00102

$C_{27}H_{23}ClN_2O_5$
Indometacin paracetamol ester, *in* I-00065

$C_{27}H_{23}ClN_2O_9$
Chloroalbofungin, *in* A-00100

$C_{27}H_{24}N_2O_9$
▷Albofungin, A-00100

$C_{27}H_{24}O_3$
1,3,5-Benzenetriol; Tribenzyl ether, *in* B-00076

$C_{27}H_{25}ClN_2O_4$
Feclobuzone, F-00026

$C_{27}H_{25}F_2N_3OS$
Ritanserin, R-00066

$C_{27}H_{25}F_3N_2O$
Flutroline, F-00232

$C_{27}H_{25}NO_4S$
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]thien-3-yl][4-[2-(1-pyrrolidinyl)ethoxy]phenyl]methanone, H-00140

$C_{27}H_{26}F_3N_5O_5$
Azidopine, A-00523

$C_{27}H_{26}O_6$
1,3:2,4:5,6-Tri-*O*-benzylidene-D-glucitol, *in* G-00054

$C_{27}H_{26}O_{13}$
3,3′,4,4′,5,7-Hexahydroxyflavan; Hexa-Ac, *in* H-00054

$C_{27}H_{27}N_5O_9S_3$
Cefcanel daloxate, *in* C-00122

$C_{27}H_{28}N_2O_4$
▷Nitromifene, N-00182
Saloquinine, *in* Q-00028

$C_{27}H_{28}N_2O_6$
20-Hexanoyl-10-methoxycamptothecin, *in* C-00024

$C_{27}H_{28}N_4O_3$
3′-[Bis(2-hydroxyethyl)amino]acetophenone (4,5-diphenyl-2-oxazolyl)hydrazone, B-00216

$C_{27}H_{28}N_8O_9S_2$
Piroxicillin, P-00352

$C_{27}H_{28}O_3$
17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol; 3-Benzoyl, *in* E-00231

$C_{27}H_{29}NO$
Trecadrine, T-00407

$C_{27}H_{29}NO_9$
11-Deoxydaunorubicin, *in* D-00019
Ethyl *O*-[*N*-(*p*-carboxyphenyl)carbamoyl]mycophenolate, E-00178

$C_{27}H_{29}NO_{10}$
▷Daunomycin, D-00019
11-Deoxydoxorubicin, *in* A-00080
▷Esorubicin, *in* A-00080
Pirozadil, P-00354

$C_{27}H_{29}NO_{11}$
▷Adriamycin, A-00080

10-Carboxy-13-deoxocarminomycin, *in* C-00081
N-Formyl-13-dihydrocarminomycin I, *in* C-00081

$C_{27}H_{29}N_5O$
Revenast, R-00034

$C_{27}H_{29}N_7O_2$
Barmastine, B-00015

$C_{27}H_{30}Cl_2O_6$
Mometasone furoate, *in* M-00426

$C_{27}H_{30}N_4O$
Oxatomide, O-00094

$C_{27}H_{30}N_4O_4$
Saterinone, S-00027

$C_{27}H_{30}O_6$
▷Sofalcone, S-00092

$C_{27}H_{30}O_9$
7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid, A-00035

$C_{27}H_{30}O_{14}$
Lanceolarin, *in* D-00330

$C_{27}H_{30}O_{16}$
▷Rutin, R-00106

$C_{27}H_{31}ClN_2O$
Chlorbenzoxamine, C-00196

$C_{27}H_{31}ClN_2S$
Bentipimine, B-00068

$C_{27}H_{31}ClO_{15}$
Keracyanin; Chloride, *in* K-00009

$C_{27}H_{31}NO_3$
Asocainol, A-00457

$C_{27}H_{31}NO_4$
Estrapronicate, *in* O-00028

$C_{27}H_{31}NO_5$
3,4,6-Tri-*O*-benzyl-D-glucosamine, *in* A-00235

$C_{27}H_{31}NO_8$
11-Deoxy-13-deoxodaunorubicin, *in* D-00019

$C_{27}H_{31}NO_9$
11-Deoxy-13-dihydrodaunorubicin, *in* D-00019

$C_{27}H_{31}N_5O_5$
Triletide, T-00488

$C_{27}H_{31}O_{15}^{\oplus}$
Keracyanin, K-00009

$C_{27}H_{32}ClNO_2$
▷Triparanol, T-00523

$C_{27}H_{32}N_2NaO_6S_2$
Isosulfan Blue, I-00212

$C_{27}H_{32}N_2O_6S_2$
Sulphan blue, S-00249

$C_{27}H_{32}O_9$
Dehydroverrucarin A, *in* V-00023

$C_{27}H_{32}O_{13}$
Cascaroside C, *in* B-00013
Cascaroside D, *in* B-00013

$C_{27}H_{32}O_{14}$
Cascaroside A, *in* B-00013
Cascaroside B, *in* B-00013

$C_{27}H_{33}NO_{10}S$
▷Thiocolchicoside, T-00199

$C_{27}H_{33}N_3O_6S$
Gliquidone, G-00043

$C_{27}H_{33}N_3O_8$
▷Rolitetracycline, R-00078

$C_{27}H_{33}N_3O_9$
Morphocycline, M-00450

$C_{27}H_{33}N_9O_{15}P_2$
▷Riboflavine 5′-(trihydrogendiphosphate) 5′→5′-ester with adenosine, *in* R-00038

$C_{27}H_{34}F_2O_7$
Difluprednate, D-00273
Procinonide, P-00452

$C_{27}H_{34}N_2$
N-(3,3-Diphenylpropyl)-*N*′-(1-methyl-2-phenylethyl)-1,3-propanediamine, D-00513

$C_{27}H_{34}N_2O_7$
Moexipril, M-00419

$C_{27}H_{34}N_4O$
▷Piritramide, P-00337

$C_{27}H_{34}N_4O_{10}$
Razinodil, R-00014

$C_{27}H_{34}O_3$
▷Nandrolone phenylpropionate, *in* H-00185
Testosterone phenylacetate, *in* H-00111

$C_{27}H_{34}O_9$
▷Verrucarin *A*, V-00023

$C_{27}H_{34}O_{10}$
8-Hydroxyverrucarin *A*, *in* V-00023
16-Hydroxyverrucarin *A*, *in* V-00023

$C_{27}H_{34}O_{11}$
9,10-Epoxy-16-hydroxyverrucarin *A*, *in* V-00023

$C_{27}H_{35}ClN_2O_5$
▷Nisterime acetate, *in* N-00161

$C_{27}H_{35}ClN_2O_7$
N-Demethyl-4,5-deepoxymaytansinol, *in* M-00027

$C_{27}H_{35}NO_4$
Alletorphine, A-00125
Nantradol, N-00038

$C_{27}H_{35}NO_5$
▷Acetorphine, *in* E-00263

$C_{27}H_{35}NO_8$
▷Bundlin B, *in* B-00362
Deoxyharringtonic acid, *in* H-00022

$C_{27}H_{35}N_7O_6S_3$
Cefanone; Dicyclohexylamine salt (1:1), *in* C-00113

$C_{27}H_{36}ClFO_5$
Clocortolone pivalate, *in* C-00444

$C_{27}H_{36}F_2O_5$
Diflucortolone pivalate, *in* D-00270
▷Diflucortolone valerate, JAN, *in* D-00270

$C_{27}H_{36}F_2O_6$
Flumethasone pivalate, *in* F-00156

$C_{27}H_{36}N_2O_4$
Demethylcephaeline, *in* C-00172

$C_{27}H_{36}N_2O_7$
Dechloro-4,5-deepoxy-*N*-demethylmaytansinol, *in* M-00027

$C_{27}H_{36}O_3$
Orestrate, O-00055
▷Quingestanol acetate, *in* Q-00024

$C_{27}H_{36}O_6$
Estriol tripropionate, *in* O-00030

$C_{27}H_{36}O_7$
Methylprednisolone aceponate, *in* M-00297

$C_{27}H_{36}O_8$
Prednicarbate, P-00410

$C_{27}H_{37}FO_5$
Fluocortolone pivalate, *in* F-00175

$C_{27}H_{37}FO_6$
▷Betamethasone valerate, *in* B-00141
Dexamethasone pivalate, *in* D-00111
▷Dexamethasone valerate, *in* D-00111

$C_{27}H_{38}N_2$
Fenoctimine, F-00061

$C_{27}H_{38}N_2O_4$
▷Verapamil, V-00019

$C_{27}H_{38}N_2O_8$
▷Prajmalium bitartrate, *in* A-00088

$C_{27}H_{38}N_2O_9$
Antimycin A_2, *in* A-00415

$C_{27}H_{38}O_3$
▷Norethisterone enanthate, *in* N-00212

$C_{27}H_{38}O_6$
Prednisolone *tert*-butylacetate, *in* P-00412

$C_{27}H_{39}Cl_2N_3O$
Pentacynium chloride, *in* P-00076

$C_{27}H_{39}NO_6$
Prednisolamate, *in* P-00412

$C_{27}H_{39}N_3O^{\oplus\oplus}$
Pentacynium(2+), P-00076

$C_{27}H_{40}N_2O_2$
▷Pifarnine, P-00245

$C_{27}H_{40}O_3$
Nandrolone cyclohexylpropionate, *in* H-00185
▷Testosterone cypionate, *in* H-00111

$C_{27}H_{40}O_4$
▷Hydroxyprogesterone hexanoate, *in* H-00202
Testosterone hexahydrobenzyl carbonate, *in* H-00111

$C_{27}H_{40}O_6$
Hydrocortisone tebutate, *in* C-00548

$C_{27}H_{40}O_8$
Deoxycortone glucoside, *in* H-00203

$C_{27}H_{41}NO_6$
Hydrocortamate, *in* C-00548

$C_{27}H_{42}ClNO$
Octaphonium chloride, *in* O-00015

$C_{27}H_{42}ClNO_2$
▷Benzethonium chloride, *in* B-00079

$C_{27}H_{42}Cl_2N_2O_6$
▷Chloramphenicol palmitate, *in* C-00195

$C_{27}H_{42}NO^{\oplus}$
Octaphonium(1+), O-00015

$C_{27}H_{42}NO_2^{\oplus}$
Benzethonium(1+), B-00079

$C_{27}H_{42}NO_6P$
4-Cyclohexyl-1-[[[1-hydroxy-2-methylpropoxy](4-phenylbutyl)-phosphinyl]acetyl]-L-proline, C-00611

$C_{27}H_{42}N_3O_3^{\oplus}$
Detajmium (1+), D-00104

$C_{27}H_{42}O_3$
Methenolone enanthate, *in* M-00178
5-Spirosten-3-ol, S-00129

$C_{27}H_{42}O_4$
5-Spirostene-1,3-diol, S-00128

$C_{27}H_{43}FO$
6-Fluorovitamin D_3, *in* V-00062

$C_{27}H_{43}NO$
Tienmulilmine, T-00259

$C_{27}H_{43}NO_2$
Chuanbeinone, C-00314
Minpeimine, M-00389

$C_{27}H_{43}NO_3$
Verticinone, *in* V-00024

$C_{27}H_{43}NO_4$
Saipeimine, S-00004
Verticinone N-oxide, *in* V-00024

$C_{27}H_{43}NO_9$
▷Protoverine, P-00543

$C_{27}H_{44}N_2O_3$
N-Nitrosotomatidine, *in* T-00374

$C_{27}H_{44}N_{10}O_{12}$
Streptonicozid, *in* S-00161

$C_{27}H_{44}O$
▷Vitamin D_3, V-00062

$C_{27}H_{44}O_2$
Alfacalcidol, A-00109
▷Gefarnate, G-00013
3-Hydroxy-8(14)-cholesten-15-one, H-00121
25-Hydroxyvitamin D_3, H-00221

$C_{27}H_{44}O_3$
▷Calcitriol, *in* A-00109

$C_{27}H_{45}IO$
19-Iodocholest-5-en-3-ol, I-00102

$C_{27}H_{45}NO_2$
Tomatidine, T-00374

$C_{27}H_{45}NO_3$
Baimonidine, *in* V-00024
15α-Hydroxytomatidine, *in* T-00374
Isobaimonidine, *in* V-00024
Isoverticine, *in* V-00024
Verticine, V-00024
Wanpeinine A, *in* V-00024

$C_{27}H_{45}NO_4$
Stevaladil, *in* A-00315
Verticine N-oxide, *in* V-00024

$C_{27}H_{46}Br_2O$
5,6-Dibromocholestan-3-ol, D-00162

$C_{27}H_{46}N_2O_2$
N,N-Diacetylepipachysamine C, *in* P-00416

$C_{27}H_{46}O$
5α-Cholest-22-en-3β-ol, *in* C-00305
▷Cholesterol, C-00306

$C_{27}H_{48}O$
3-Cholestanol, C-00305

$C_{27}H_{49}N_5O_8$
Tabilautide, T-00001

$C_{27}H_{50}N_6O_9$
Deferoxamine; *N*-Ac, *in* D-00044

$C_{27}H_{52}Cl_2N_2$
▷Pregnane-3,20-diamine; *N*-Hexa-Me, dichloride, *in* P-00416

$C_{27}H_{52}N_2^{\oplus\oplus}$
Malouetine, *in* P-00416

$C_{27}H_{58}N_2O_3$
N,N,N'-Tris(2-hydroxyethyl)-*N'*-octadecyl-1,3-propanediamine, T-00537

$C_{27}H_{60}ClNO_3Si$
Disiquonium chloride, *in* D-00534

$C_{27}H_{60}NO_3Si^{\oplus}$
Disiquonium(1+), D-00534

$C_{28}H_{22}Cl_2FNO_3$
Flumethrin, F-00158

$C_{28}H_{22}O_3$
Diphenylacetic acid; Anhydride, *in* D-00488

$C_{28}H_{22}O_6$
Bencianol, B-00039

$C_{28}H_{23}NO_3$
Cypothrin, C-00644

$C_{28}H_{24}Br_2N_6$
▷Fazadinium bromide, *in* F-00019

$C_{28}H_{24}N_6^{\oplus\oplus}$
Fazadinium(2+), F-00019

$C_{28}H_{24}O_6$
Furostilbestrol, F-00297

$C_{28}H_{26}ClN_7$
Isometamidium chloride, *in* I-00191

$C_{28}H_{26}F_4N_2OS$
Duoperone, D-00621

$C_{28}H_{26}N_4O_2$
Tolpadol, T-00362

$C_{28}H_{26}N_6O_{10}S_2$
Cefpimizole, C-00142

$C_{28}H_{26}N_7^{\oplus}$
Isometamidium(1+), I-00191

$C_{28}H_{27}ClF_5NO$
▷Penfluridol, P-00062

$C_{28}H_{27}NO_4S$
Raloxifene, R-00005

$C_{28}H_{28}ClF_2N_3O$
Clopimozide, C-00485

$C_{28}H_{28}I_6N_4O_8$
▷Iosefamic acid, I-00134

$C_{28}H_{28}I_6N_4O_{10}S$
Iosulamide, I-00137

$C_{28}H_{28}N_2O_2$
Difenoxin, D-00265

$C_{28}H_{28}N_6S_4$
Bisbendazole, B-00193

$C_{28}H_{29}F_2N_3O$
▷Pimozide, P-00263

$C_{28}H_{29}NO_4$
Bephenium hydroxynaphthoate, *in* B-00132

$C_{28}H_{30}N_4O_2$
Fuprazole, F-00276

$C_{28}H_{30}O_4$
Thymolphthalein, T-00224

$C_{28}H_{30}O_{13}$
▷Steffimycin, S-00143

$C_{28}H_{31}FN_2O$
Nivazol, N-00191

$C_{28}H_{31}FN_4O$
▷Astemizole, A-00466

$C_{28}H_{31}F_2N_5O_2$
Icospiramide, I-00013

$C_{28}H_{31}NO_5$
Bitolterol, B-00241
Terbutaline di(*p*-toluate), *in* T-00084

$C_{28}H_{31}NO_{10}$
▷Menogaril, M-00092

$C_{28}H_{31}N_3O_6$
Benidipine, B-00054
Hepronicate, *in* H-00072

$C_{28}H_{31}N_5O_5S$
Rotamicillin, R-00095

$C_{28}H_{32}FNO_6$
▷Dexamethasone isonicotinate, *in* D-00111

$C_{28}H_{32}N_3S_2^{\oplus}$
Tibezonium(1+), T-00250

$C_{28}H_{32}O_6$
Mebenoside, M-00032

$C_{28}H_{32}O_9S$
Prednisolone *m*-sulfobenzoate, *in* P-00412

$C_{28}H_{32}O_{13}$
10-Dihydrosteffimycin, *in* S-00143
Podophyllotoxin; 1-β-D-Glucoside, *in* P-00377

$C_{28}H_{32}O_{14}$
Fortunellin, *in* D-00329
Linarin, *in* D-00329

$C_{28}H_{32}O_{15}$
Diosmin, *in* T-00476

$C_{28}H_{33}ClN_2$
▷Buclizine, B-00339

$C_{28}H_{33}F_2N_3$
Difluanine, D-00269

$C_{28}H_{33}NO_5$
Mepramidil, M-00103

$C_{28}H_{33}NO_7$
▷Cytochalasin *E*, C-00661

$C_{28}H_{34}Cl_4N_2O_4$
Bis(2-chloroethyl)carbamic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, *in* D-00257

$C_{28}H_{34}F_2O_7$
Ciprocinonide, C-00388

$C_{28}H_{34}N_2O_2$
Benderizine, B-00045
Carbiphene, C-00053

$C_{28}H_{34}N_2O_3$
▷Denatonium benzoate, *in* D-00070

$C_{28}H_{34}O_5$
Corticosterone; Benzoyl, *in* C-00546

$C_{28}H_{35}FO_7$
▷Amcinonide, A-00177

$C_{28}H_{35}FO_9$
Solutedarol, *in* T-00419

$C_{28}H_{35}N_3O_7$
Ostreogrycin *A*, O-00068

$C_{28}H_{35}N_5O_5$
Tyrosylprolylphenylalanylprolinamide, T-00582

$C_{28}H_{36}F_3N_3O_2S$
Fluphenazine caproate, *in* F-00202

$C_{28}H_{36}O_3$
▷Testosterone phenylpropionate, *in* H-00111

$C_{28}H_{36}O_6$
▷Clinofibrate, C-00429

$C_{28}H_{36}O_8$
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; 3,5-Di-Ac, *in* T-00477

$C_{28}H_{37}ClN_2O_8$
Maytansinol, M-00027

$C_{28}H_{37}ClN_4O$
▷Clocapramine, C-00441

$C_{28}H_{37}ClO_7$
Alclometasone dipropionate, *in* A-00104
▷Beclometasone dipropionate, JAN, *in* B-00024

$C_{28}H_{37}FO_7$
▷Betamethasone dipropionate, *in* B-00141

$C_{28}H_{37}NO_4$
▷Cytochalasin J, *in* C-00664
Homprenophine, H-00087

$C_{28}H_{37}NO_8$
Deoxyharringtonine, *in* H-00022

$C_{28}H_{37}NO_9$
▷Harringtonine, H-00022

$C_{28}H_{38}BrNO_4$
▷Butropium bromide, *in* B-00425

$C_{28}H_{38}ClFO_5$
Clocortolone caproate, *in* C-00444

$C_{28}H_{38}NO_4^{\oplus}$
Butropium(1+), B-00425

$C_{28}H_{38}N_2O_2$
Butoprozine, B-00415

$C_{28}H_{38}N_2O_4$
Cephaeline, C-00172
Febuverine, F-00024
Isocephaeline, *in* C-00172

$C_{28}H_{38}N_2O_6$
▷Simetride, S-00073
Taludipine, T-00019

$C_{28}H_{38}N_2O_7$
Dechloro-N-deepoxymaytansinol, *in* M-00027

$C_{28}H_{38}N_4O$
▷Carpipramine, C-00097

$C_{28}H_{38}O_3$
Nandrolone cyclotate, *in* H-00185

$C_{28}H_{38}O_5$
5β,6β-Epoxy-4β-hydroxy-1-oxo-20*S*,22*R*-witha-2,24-dienolide, *in* W-00002

$C_{28}H_{38}O_6$
Withaferin *A*, W-00002

$C_{28}H_{38}O_7$
12β-Hydroxywithaferin *A*, *in* W-00002
▷Prednisolone valeroacetate, *in* P-00412

$C_{28}H_{38}O_{19}$
Lactulose; Octa-Ac, *in* L-00005

$C_{28}H_{39}FO_6$
Dexamethasone tert-butylacetate, *in* D-00111

$C_{28}H_{39}NO_6$
Prednisolone piperidinoacetate, *in* P-00412
Prednylidene diethylaminoacetate, *in* P-00414

$C_{28}H_{40}FNO_6$
Dexamethasone diethylaminoacetate, *in* D-00111

$C_{28}H_{40}N_2O_2$
Bialamicol, B-00150

$C_{28}H_{40}N_2O_5$
Gallopamil, G-00006

$C_{28}H_{40}N_2O_9$
▷Antimycin A_1, *in* A-00415

$C_{28}H_{40}N_4O_5$
Umespirone, U-00007

$C_{28}H_{40}N_6O_9$
Bamicetin, *in* A-00187

$C_{28}H_{40}O_4$
Pentagestrone acetate, *in* P-00080

$C_{28}H_{40}O_7$
Amebucort, A-00178
▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548

$C_{28}H_{41}ClN_2O$
Teroxalene, T-00095

$C_{28}H_{41}FO_5$
Fluocortolone caproate, *in* F-00175

$C_{28}H_{41}N_3O_3$
▷Oxethazaine, O-00106
Tiropramide, T-00323

$C_{28}H_{42}Cl_2N_4O_2^{\oplus\oplus}$
Ambenonium(2+), A-00167

$C_{28}H_{42}Cl_4N_4O_2$
▷Ambenonium chloride, *in* A-00167

$C_{28}H_{42}N_2O_5$
Fenoxedil, F-00067

$C_{28}H_{42}N_4O_9$
Difebarbamate, D-00260

$C_{28}H_{42}O_3$
Testosterone cyclohexylpropionate, *in* H-00111

$C_{28}H_{42}O_4$
Desoxycortone enanthate, *in* H-00203
Hydroxyprogesterone heptanoate, *in* H-00202

$C_{28}H_{42}O_6$
Adigenin, *in* T-00474
▷Ambruticin, A-00171
5-*epi*-5,6-Dihydroxypolyangioic acid, *in* A-00171

$C_{28}H_{42}O_8$
2β,3β,14,20,22*R*,28-Hexahydroxy-6-oxo-7-ergosten-26-oic acid, γ-lactone, *in* C-00584

$C_{28}H_{44}ClNO_2$
▷Methylbenzethonium chloride, *in* M-00229

$C_{28}H_{44}NO_2^{\oplus}$
Methylbenzethonium(1+), M-00229

$C_{28}H_{44}O$
▷Calciferol, C-00012
Ergosterol, E-00105
Isopyrocalciferol, *in* E-00105

$C_{28}H_{44}O_3$
▷Nandrolone decanoate, *in* H-00185

$C_{28}H_{45}ClO_2$
Cholesteryl chloroformate, *in* C-00306

$C_{28}H_{45}O_4P$
Ergocalciferol phosphate, *in* C-00012

$C_{28}H_{46}O$
▷Dihydrotachysterol, D-00304
Vitamin D_4, V-00063

$C_{28}H_{47}NO_4S$
▷Tiamulin, T-00238

$C_{28}H_{48}N_2O$
3α-β,β-Dimethylacryloylamino-20α-dimethylamino-5α-pregnane, *in* P-00416

$C_{28}H_{48}O_2$
β-Tocopherol, T-00336

$C_{28}H_{55}N_5O_2$
Impacarzine, I-00044

$C_{28}H_{58}Br_2N_2O_6$
Prodeconium bromide, *in* P-00457

$C_{28}H_{58}N_2O_6^{\oplus\oplus}$
Prodeconium(2+), P-00457

$C_{29}H_{22}O_{14}$
3,5-Digalloylepicatechin, *in* P-00081

$C_{29}H_{23}NO_6$
Pyridoxine; Tribenzoyl, *in* P-00582

$C_{29}H_{23}N_3O_9$
6-Azauridine; 2′,3′,5′-Tribenzoyl, *in* A-00514

$C_{29}H_{24}N_4O_8$
5-Azacytidine; 2′,3′,5′-Tribenzoyl, *in* A-00496
▷Niceritrol, N-00090

$C_{29}H_{25}N_3O_5$
▷Nicomorphine, N-00101

$C_{29}H_{27}F_2N_3O$
Seganserin, S-00036

$C_{29}H_{27}N_6O_{11}P$
Riboflavine 2′,3′-di-3-pyridinecarboxylate monodehydrogen phosphate (ester), *in* R-00038

$C_{29}H_{29}IN_2S$
Pretamazium idodide, *in* P-00424

$C_{29}H_{29}N_2S^{\oplus}$
Pretamazium(1+), P-00424

$C_{29}H_{30}Cl_2F_2N_4O_2$
Mioflazine, M-00391

$C_{29}H_{30}F_3IN_2O_6$
Iodipine, I-00098

$C_{29}H_{30}N_2O_3$
8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]octanoic acid, T-00525

$C_{29}H_{30}N_2O_6$
Phenylbutazone trimethylgallate, *in* P-00180

$C_{29}H_{31}F_2N_3O$
▷Fluspirilene, F-00223

$C_{29}H_{31}NO_2$
▷Nafoxidine, N-00021

$C_{29}H_{32}N_2O_7$
Antibiotic U 56407, A-00410

$C_{29}H_{32}O_6$
Oestriol diacetate benzoate, *in* O-00030

$C_{29}H_{32}O_{13}$
▷Etoposide, E-00262
▷Steffimycin B, *in* S-00143

$C_{29}H_{33}ClN_2O_2$
Loperamide, L-00087

$C_{29}H_{33}ClN_2O_3$
Loperamide oxide, *in* L-00087

$C_{29}H_{33}FO_4$
Naflocort, N-00018

$C_{29}H_{33}FO_6$
Amcinafide, A-00176
Betamethasone benzoate, *in* B-00141

$C_{29}H_{33}FO_7$
Betamethasone salicylate, *in* B-00141

$C_{29}H_{33}FO_8$
Dexamethasone acefurate, *in* D-00111

$C_{29}H_{33}FO_9S$
Dexamethasone metasulphobenzoate, *in* D-00111

$C_{29}H_{33}NO_5$
Ecipramidil, E-00006

$C_{29}H_{33}NO_{10}$
N-Demethylaklavine, *in* A-00089

$C_{29}H_{33}N_9O_{12}$
Pteroyltriglutamic acid, P-00555

$C_{29}H_{34}N_2O_4$
Cytochalasin *G*, C-00663

$C_{29}H_{34}O_6$
Ethyl 3,5,6-tri-*O*-benzylglucofuranoside, E-00224

$C_{29}H_{34}O_{12}$
Steffimycin C, *in* S-00143

$C_{29}H_{34}O_{13}$
10-Dihydrosteffimycin *B*, *in* S-00143

$C_{29}H_{34}O_{17}$
Monoxerutin INN, *in* R-00106

$C_{29}H_{35}NO_2$
Mifepristone, M-00371

$C_{29}H_{35}NO_5$
Cytochalasin *A*, C-00657
Hitachimycin, H-00081

$C_{29}H_{35}N_3O_{10}$
Pecocycline, P-00049

$C_{29}H_{36}N_2O_9$
Cinepaxadil, C-00361

$C_{29}H_{36}N_6O_2$
Laprafylline, L-00010

$C_{29}H_{36}O_4$
▷Algestone acetophenide, *in* A-00114

$C_{29}H_{36}O_8$
Prednisolone hydrogen tetrahydrophthalate, *in* P-00412

$C_{29}H_{37}ClFNO_7$
Cicortonide, C-00338

$C_{29}H_{37}Cl_2NO_4$
Tefenperate, T-00052

$C_{29}H_{37}NO_3$
Lilopristone, L-00049

$C_{29}H_{37}NO_4$
Bucromarone, B-00342

$C_{29}H_{37}NO_5$
▷Cytochalasin *B*, C-00658
▷Cytochalasin *F*, C-00662

$C_{29}H_{37}N_3O_{13}$
Meglucycline, M-00072

$C_{29}H_{38}ClFO_8$
▷Formocortal, F-00246

$C_{29}H_{38}F_3N_3O_2S$
▷Fluphenazine enanthate, *in* F-00202

$C_{29}H_{38}N_2O_4$
▷Dehydroemetine, D-00050

$C_{29}H_{38}N_4O_9$
▷Mepicycline, M-00096

$C_{29}H_{38}N_4O_{10}$
▷Lymecycline, L-00120

$C_{29}H_{38}N_8O_8$
▷Guamecycline, G-00097

$C_{29}H_{38}O_3$
Oxogestone phenpropionate, *in* O-00129

$C_{29}H_{38}O_7$
Acrihellin, *in* T-00477

$C_{29}H_{38}O_9$
Uscharidin, *in* G-00079

$C_{29}H_{39}ClO_7$
Beclometasone valeroacetate, *in* B-00024

$C_{29}H_{39}Cl_2FN_4O_4S$
Ambamustine, A-00165

$C_{29}H_{39}FO_7$
Betamethasone valeroacetate, *in* B-00141

$C_{29}H_{39}NO_3$
Onapristone, O-00047

$C_{29}H_{39}NO_8$
Homodeoxyharringtonine, *in* H-00022

$C_{29}H_{39}NO_9$
▷Homoharringtonine, *in* H-00022

$C_{29}H_{40}N_2O_4$
Emetine, E-00036

$C_{29}H_{40}N_6O_6S$
Metkefamide, M-00325

$C_{29}H_{40}O_3$
Bolmantalate, B-00250

$C_{29}H_{40}O_7$
Desonide pivalate, *in* D-00101

$C_{29}H_{40}O_9$
▷Calactin, *in* G-00079
▷Calotropin, *in* G-00079

$C_{29}H_{40}O_{10}$
▷Caloxotoxin, *in* G-00079

$C_{29}H_{41}NO_4$
▷Buprenorphine, B-00370

$C_{29}H_{42}N_2O_{13}$
Helveticosol 3′,4′-dinitrate, *in* H-00053

$C_{29}H_{42}N_6O_9$
▷Amicetin, A-00187

$C_{29}H_{42}O_4$
Cortenil-Depot, *in* H-00203

$C_{29}H_{42}O_5$
Sesquicillin, S-00055

$C_{29}H_{42}O_6$
Hydrocortisone cypionate, *in* C-00548

$C_{29}H_{42}O_8$
Gomphoside, G-00079

$C_{29}H_{42}O_9$
Afroside, *in* G-00079
▷Corchoroside A, *in* T-00478
▷Erysimine, *in* T-00478

$C_{29}H_{42}O_{10}$
▷Convallotoxin, *in* T-00478

$C_{29}H_{42}O_{11}$
Glucostrophantidin, *in* T-00478
6′-Hydroxyconvallatoxin, *in* T-00478

$C_{29}H_{43}BrN_2O_4$
▷Otilonium bromide, *in* O-00069

$C_{29}H_{43}IN_2O_4$
▷Otilonium(1+); Iodide, *in* O-00069

$C_{29}H_{43}NO_7$
Guan-fu base E, G-00106

$C_{29}H_{43}N_2O_4^{\oplus}$
Otilonium(1+), O-00069

$C_{29}H_{43}N_3O_3$
Sevopramide, S-00060

$C_{29}H_{44}ClNO_2$
Lauralkonium chloride, *in* L-00014

$C_{29}H_{44}NO_2^{\oplus}$
Lauralkonium(1+), L-00014

$C_{29}H_{44}O_3$
Estradiol undecylate, *in* O-00028

$C_{29}H_{44}O_4$
Lapinone, L-00009

$C_{29}H_{44}O_6$
Ramnodigin, *in* D-00274

$C_{29}H_{44}O_8$
▷Cyasterone, C-00584
Digiproside, *in* D-00274
Digitoxigenin allomethyloside, *in* D-00274
5-Epicyasterone, *in* C-00584
▷Evomonoside, *in* D-00274

$C_{29}H_{44}O_9$
Actodigin, A-00059
Digitoxigenin; 3-*O*-(β-D-Glucoside), *in* D-00274
Gitoroside, *in* T-00474
▷Rhodexin A, *in* T-00473
Rhodexin B, *in* T-00474

$C_{29}H_{44}O_{10}$
▷Convallatoxol, *in* T-00478
▷Gitorin, *in* T-00474

$C_{29}H_{44}O_{12}$
▷Ouabain, *in* H-00053

$C_{29}H_{45}N_3O_9S_2$
Pentacynium methyl sulfate, *in* P-00076

$C_{29}H_{46}O_2$
Vitamin D_3; Ac, *in* V-00062

$C_{29}H_{46}O_3$
3-Hydroxy-8(14)-cholesten-15-one; Ac, *in* H-00121
Nandrolone undecylate, *in* H-00185
Testosterone decanoate, *in* H-00111

$C_{29}H_{48}Br_2O_2$
Acebrochol, *in* D-00162

$C_{29}H_{48}O$
7-Dehydro-β-sitosterol, *in* S-00151

$C_{29}H_{49}NO_5$
Lipstatin, L-00055

$C_{29}H_{50}N_2O$
Pachysamine B, *in* P-00416

$C_{29}H_{50}O$
▷5-Stigmasten-3-ol, S-00151

$C_{29}H_{50}O_2$
3-Cholestanol; Ac, *in* C-00305
α-Tocopherol, T-00335

$C_{29}H_{50}O_3$
▷α-Tocopherolquinone, *in* T-00337

$C_{29}H_{52}Cl_2N_2$
Dipyrandium chloride, *in* D-00529

$C_{29}H_{52}N_2^{\oplus\oplus}$
Dipyrandium(2+), D-00529

$C_{29}H_{52}N_6O_9$
Pimelautide, P-00255

$C_{29}H_{52}O_3$
α-Tocopherolhydroquinone, T-00337

$C_{29}H_{53}NO_5$
N-Formylleucine 1-[(3-hexyl-4-oxo-2-oxetanyl)methyl]-dodecyl ester, *in* L-00055

$C_{29}H_{55}N_5O_{18}$
▷Lividomycin *A*, L-00062

$C_{29}H_{56}N_6O_{18}$
Neomycin B glucoside, *in* N-00068

$C_{30}H_{18}O_{10}$
Sennidin, S-00042

$C_{30}H_{23}NO_7$
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; *O,O,N*-Tribenzoyl, *in* A-00248

$C_{30}H_{23}N_3O_6$
Niceverine, N-00091

$C_{30}H_{24}N_4O_{10}$
Nicofuranose, N-00098

$C_{30}H_{26}F_6N_4O_2$
▷Antrafenine, A-00419

$C_{30}H_{26}N_2O_{13}$
Oftasceine, O-00033

$C_{30}H_{27}N_3O_5$
Nicomorphine; B,HCl, *in* N-00101

$C_{30}H_{28}N_2Na_4O_{14}S_5$
▷Solapsone, S-00093

$C_{30}H_{30}NOP$
α,α-Diphenyl-2-piperidinemethanol; *N*-Diethylphosphoryl, *in* D-00504

$C_{30}H_{30}O_8$
▷Gossypol, G-00082

$C_{30}H_{31}NO_2P$
α,α-Diphenyl-4-piperidinemethanol; *N*-Diethylphosphoryl, *in* D-00506

$C_{30}H_{31}NO_3$
Trioxifene, T-00520

$C_{30}H_{32}ClF_3N_2O_2$
Fluperamide, F-00199

$C_{30}H_{32}Cl_3NO$
Fluorenemethanol, F-00178

$C_{30}H_{32}N_2O_2$
▷Diphenoxylate, *in* D-00265

$C_{30}H_{32}N_2O_5$
Vinmegallate, V-00040

$C_{30}H_{32}N_4O$
Cinprazole, C-00381

$C_{30}H_{33}N_3O_3$
Ropitoin, R-00088

$C_{30}H_{34}BrNO_3$
▷Xenytropium bromide, *in* X-00011

$C_{30}H_{34}BrN_5O_{15}$
Neosurugatoxin, N-00071

$C_{30}H_{34}NO_3^{\oplus}$
Xenytropium(1+), X-00011

$C_{30}H_{34}O_{12}$
Cynarine; Penta-Me, *in* C-00643

$C_{30}H_{34}O_{13}$
▷Picrotoxin, P-00242

$C_{30}H_{35}FN_2O_3$
Mobenzoxamine, M-00412

$C_{30}H_{35}F_2N_3O$
Lidoflazine, L-00045

$C_{30}H_{35}NO_{10}$
Aklavine, A-00089
Descarbamylnovobiocin, *in* N-00228

$C_{30}H_{35}O_6$
Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; 2-Me, *in* E-00224

$C_{30}H_{37}NO_6$
▷Cytochalasin *C*, C-00659
▷Cytochalasin *D*, C-00660

$C_{30}H_{37}N_5O_7$
Deprolorphin, D-00085

$C_{30}H_{38}N_4$
Quindecamine, Q-00017

$C_{30}H_{38}N_4O_{11}$
Apicycline, A-00423

$C_{30}H_{38}O_4$
Estradiol propoxyphenylpropionate, *in* O-00028

$C_{30}H_{39}ClN_2O_9$
Maytanacine, *in* M-00027

$C_{30}H_{39}ClN_2O_{10}$
30-Hydroxyansamitocin *P*-1, *in* M-00027

$C_{30}H_{39}NO_4$
Vapiprost, V-00011

$C_{30}H_{39}NO_5$
▷Cytochalasin *H*, C-00664

$C_{30}H_{39}N_7O_9S$
Nifalatide, N-00109

$C_{30}H_{39}P$
Dodecylidenetriphenylphosphorane, *in* D-00568

$C_{30}H_{40}BrP$
Nycal, *in* D-00568

$C_{30}H_{40}Cl_2N_4$
▷Dequalinium chloride, *in* D-00088

$C_{30}H_{40}Cl_2O_6$
Meclorisone dibutyrate, *in* M-00049

$C_{30}H_{40}N_4^{\oplus\oplus}$
Dequalinium(2+), D-00088

$C_{30}H_{40}P^{\oplus}$
Dodecyltriphenylphosphonium(1+), D-00568

$C_{30}H_{41}FO_7$
▷Triamcinolone hexacetonide, *in* T-00419

$C_{30}H_{42}N_6O_5S$
Glicaramide, G-00035

$C_{30}H_{42}O_8$
▷Proscillaridin *A*, *in* D-00319

$C_{30}H_{42}O_9$
3,14-Dihydroxy-4,20,22-bufatrienolide; 3-(β-D-Glucoside), *in* D-00319

$C_{30}H_{42}O_{11}$
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; 3-*O*-β-D-Glucosyl, *in* T-00477

$C_{30}H_{43}FO_9$
Dexamethasone 21-(3,6,9-trioxaundecanoate), *in* D-00111

$C_{30}H_{44}N_2O_5$
Ivarimod, I-00224

$C_{30}H_{44}N_2O_{10}$
▷Hexobendine, H-00066

$C_{30}H_{44}O_3$
Boldenone undecylenate, *in* H-00108

$C_{30}H_{44}O_4$
Bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)acetic acid, B-00203

$C_{30}H_{44}O_9$
2-Acetyl-29-norcyasterone, *in* C-00584
3-Acetyl-29-norcyasterone, *in* C-00584
▷Cyasterone, C-00584
▷Cymarin, *in* T-00478

$C_{30}H_{44}O_{11}$
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; 19-Alcohol, 3-*O*-β-glucosyl, *in* T-00477

$C_{30}H_{46}NO_7P$
Fosinopril, *in* C-00611

$C_{30}H_{46}N_2O_{14}S_2$
▷Aclatonium napadisylate, *in* A-00044

$C_{30}H_{46}O_4$
▷Glycyrrhetic acid, G-00072

$C_{30}H_{46}O_7$
▷Beaumontoside, *in* D-00274
Wallichoside, *in* D-00274

$C_{30}H_{46}O_8$
▷Beauwalloside, *in* T-00474
Divaricoside, *in* T-00473
Hongkelin, *in* D-00274
▷Neriifolin, *in* D-00274
▷3′-O-Methylevomonoside, *in* D-00274
Solanoside, *in* D-00274
Vallaroside, *in* D-00274

$C_{30}H_{46}O_9$
▷Sarmentocymarin, *in* T-00473
▷Strospeside, *in* T-00474

$C_{30}H_{46}O_{10}$
▷Sarnovide, *in* T-00473

$C_{30}H_{48}N_2O_2$
Symetine, S-00284

$C_{30}H_{48}O_3$
Nandrolone laurate, *in* H-00185
Testosterone undecanoate, *in* H-00111

$C_{30}H_{48}O_5$
2,3,23-Trihydroxy-12-ursen-28-oic acid, T-00485

$C_{30}H_{49}N_9O_9$
Thymopentin, T-00225

$C_{30}H_{50}O_6$
12-Oleanene-3,16,21,22,24,28-hexol, O-00036

$C_{30}H_{53}NO_{11}$
▷Benzonatate, B-00094

$C_{30}H_{62}O_{10}$
Polidocanol, P-00380

$C_{30}H_{66}N_4O_8S$
▷Dibutoline(1+); Sulfate (2:1), *in* D-00171

$C_{31}H_{23}Cl_6N_2O^{\oplus}$
Calmidazolium(1+), C-00017

$C_{31}H_{23}Cl_7N_2O$
R 24571, *in* C-00017

$C_{31}H_{25}NO_9$
3-Deazauridine; 2′,3′,5′-Tribenzoyl, *in* D-00031

$C_{31}H_{25}N_5O_7$
Adenosine; 2′,3′,5′-Tribenzoyl, *in* A-00067

$C_{31}H_{27}N_3O_5$
Nalorphine dinicotinate, *in* N-00032

$C_{31}H_{29}N_5O_4$
Asperlicin, A-00463

$C_{31}H_{31}N_3O_8S_2$
Dibenzothioline, D-00159

$C_{31}H_{32}N_4O_2$
▷Bezitramide, B-00149

$C_{31}H_{32}O_8$
Gossypol; 6-Me ether, *in* G-00082

$C_{31}H_{33}N_3O_{12}$
▷Carzinophilin, C-00106

$C_{31}H_{34}BrNO_4$
▷Fentonium bromide, *in* F-00081

$C_{31}H_{34}NO_4^{\oplus}$
Fentonium(1+), F-00081

$C_{31}H_{36}ClN_3O_5S$
▷Perphenazine trimethoxybenzoate, *in* P-00129

$C_{31}H_{36}IN_3$
▷Stilbazium iodide, *in* S-00152

$C_{31}H_{36}N_2O_{11}$
Isonovobiocin, *in* N-00228
▷Novobiocin, N-00228

$C_{31}H_{36}N_3^{\oplus}$
Stilbazium(1+), S-00152

$C_{31}H_{36}O_7$
Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; 2-Ac, *in* E-00224

$C_{31}H_{37}ClN_2O_6$
Hydroxyzine trimethoxybenzoate, *in* H-00222

$C_{31}H_{37}NO_7$
Nicocortonide, N-00096

$C_{31}H_{38}F_2N_2O$
Flotrenizine, F-00126

$C_{31}H_{38}N_4$
Buterizine, B-00398

$C_{31}H_{39}N_5O_5$
▷Ergocornine, E-00101
Ergocorninine, *in* E-00101

$C_{31}H_{40}N_2O$
Trenizine, T-00411

$C_{31}H_{40}N_6O_7S$
Ociltide, O-00002

$C_{31}H_{40}O_2$
▷Menatetrenone, M-00088

$C_{31}H_{40}O_{10}$
3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide; 3-Strophanthobioside, tetra-Ac, *in* T-00478

$C_{31}H_{41}BrFNO_3$
Bromperidol decanoate, *in* B-00324

$C_{31}H_{41}ClFNO_3$
Haloperidol decanoate, *in* H-00015

$C_{31}H_{41}ClN_2O_9$
Ansamitocin P-2, *in* M-00027

$C_{31}H_{41}ClN_2O_{10}$
30-Hydroxyansamitocin P-2, *in* M-00027

$C_{31}H_{41}Cl_2N_3O_5S_2$
Chlorphenoctium amsonate, *in* C-00293

$C_{31}H_{42}O_{10}$
▷Asclepin, *in* G-00079

$C_{31}H_{44}N_2O_{10}$
Dilazep, D-00370

$C_{31}H_{44}N_4O_8$
Tridiurecaine, T-00455

$C_{31}H_{44}O_8$
▷Meproscillarin, *in* D-00319

$C_{31}H_{44}O_9$
▷Bovoside *A*, *in* B-00262

$C_{31}H_{46}O_2$
▷Vitamin K_1, V-00064

$C_{31}H_{46}O_6$
Fusidic acid; 3-Ketone, *in* F-00303
Fusidic acid; 11-Ketone, *in* F-00303

$C_{31}H_{46}O_9$
22-Acetylcyasterone, *in* C-00584

$C_{31}H_{48}O_2S_2$
Probucol, P-00445

$C_{31}H_{48}O_4$
17-[(1,3-Dioxododecyl)oxy]androst-4-en-3-one, *in* H-00111
Glycyrrhetic acid; Me ester, *in* G-00072

$C_{31}H_{48}O_5$
Decylroxibolone, *in* R-00098

$C_{31}H_{48}O_6$
▷Fusidic acid, F-00303
Fusidic acid; 3-Epimer, *in* F-00303
Fusidic acid; 11-Epimer, *in* F-00303

$C_{31}H_{48}O_9$
Asperoside, *in* D-00274
Asperoside, *in* D-00274

$C_{31}H_{50}O_2$
Molfarnate, *in* T-00513

$C_{31}H_{50}O_8P_2$
Phytonadiol diphosphate, P-00228

$C_{31}H_{51}NO_8$
Repromicin, R-00025

$C_{31}H_{51}NO_9$
▷Rosamicin, R-00092

$C_{31}H_{51}N_9O_9$
Splenopentin, S-00135

$C_{31}H_{52}O_3$
▷Alfacol, *in* T-00335
Chethoxyrol, *in* C-00306

$C_{31}H_{53}NO_7$
Antibiotic M 4365G_1, *in* R-00025

$C_{31}H_{53}NO_8$
Antibiotic M 4365A_1, *in* R-00092

$C_{31}H_{55}N_3O_6$
▷Enocitabine, *in* C-00667

$C_{32}H_{21}N_3O_5$
Nicoxyphenisatin, *in* O-00160

$C_{32}H_{24}N_6O_6S_2$
Congo Red, C-00541

$C_{32}H_{24}N_6O_{15}S_5$
Trypan red, T-00564

$C_{32}H_{26}O_8$
1,2,3,4-Tetra-*O*-benzoylerythritol, *in* E-00114

$C_{32}H_{26}O_{12}$
Kelletinin I, *in* E-00114

$C_{32}H_{30}N_2O_4$
Asterriquinone, A-00467

$C_{32}H_{30}N_8O_4S_2$
Terephtyl, T-00087

$C_{32}H_{31}N_3O_4$
Difenoximide, D-00264

$C_{32}H_{32}Cl_2O_{10}$
Salafibrate, S-00005

$C_{32}H_{32}O_{13}S$
▷Teniposide, T-00071

$C_{32}H_{32}O_{14}$
▷Chartreusin, C-00189

$C_{32}H_{34}N_2O_{12}$
3′-Deamino-3′-(3-cyanomorpholino)doxorubicin, *in* A-00080

$C_{32}H_{34}N_4O_4S$
Diathymosulfone, D-00146

$C_{32}H_{34}O_8$
Gossypol; 6,6′-Di-Me ether, *in* G-00082

$C_{32}H_{35}N_5O_{11}S_2$
Piridicillin, P-00325

$C_{32}H_{36}BrClN_2O_2$
Rilozarone, R-00054

$C_{32}H_{36}N_2O_2$
Butoxylate, *in* D-00265

$C_{32}H_{36}N_2O_9$
Veneserpine, *in* R-00028

$C_{32}H_{36}N_4O_9$
Parabactin, *in* A-00086

$C_{32}H_{36}N_4O_{10}$
Agrobactin, A-00086

$C_{32}H_{37}ClN_2O_8$
▷Chloroserpidine, C-00285

$C_{32}H_{37}ClN_4O_{14}S$
Aminochlorthenoxycycline, A-00227

$C_{32}H_{37}NO_4$
Carebastine, C-00073

$C_{32}H_{37}NO_{12}$
4′-*O*-(Tetrahydropyranyl)adriamycin, *in* A-00080

$C_{32}H_{37}N_3O_5$
Elziverine, E-00032

$C_{32}H_{38}N_2O_5$
Cortivazol, C-00551

$C_{32}H_{38}N_2O_8$
▷Deserpidine, D-00093
Mefeserpine, M-00066

$C_{32}H_{38}N_2O_9$
16,17-Diepipseudoreserpine, *in* R-00029
Pseudoreserpine, *in* R-00029

$C_{32}H_{39}NO_2$
Ebastine, E-00001

$C_{32}H_{40}BrN_5O_5$
▷Bromocriptine, *in* E-00103

$C_{32}H_{40}O_{11}$
Estrone tetraacetylglucoside, *in* O-00031

$C_{32}H_{41}NO_2$
▷Terfenadine, T-00088

$C_{32}H_{41}N_5O_5$
▷α-Ergocryptine, E-00103

$C_{32}H_{43}ClN_2O_2S$
Decanoic acid 2-[4-[3-(2-chloro-9*H*-thioxanthen-9-ylidene)-propyl]-1-piperazinyl]ethyl ester, *in* C-00481

$C_{32}H_{43}ClN_2O_9$
▷Ansamitocin P-3, *in* M-00027
Ansamitocin P-3′, *in* M-00027

$C_{32}H_{43}ClN_2O_{10}$
30-Hydroxyansamitocin P-3, *in* M-00027
N-Demethyl-3-(3-hydroxyisovaleroyl) maytansinol, *in* M-00027

$C_{32}H_{43}N_5O_5$
Dihydroergocryptine, D-00285

$C_{32}H_{44}ClNO_7$
Cyclomethasone, C-00624

$C_{32}H_{44}F_3N_3O_2S$
▷Fluphenazine decanoate, *in* F-00202

$C_{32}H_{45}FO_7$
Betamethasone divalerate, *in* B-00141

$C_{32}H_{45}N_5O_4$
Desocriptine, D-00098

$C_{32}H_{46}N_2O_2S_2$
Oxyprothepin decanoate, *in* O-00162

$C_{32}H_{46}N_8O_6S_2$
Arcalion, *in* T-00174
Beston, *in* T-00174

$C_{32}H_{48}N_2$
Ronipamil, R-00086

$C_{32}H_{48}N_2O_{10}$
Butobendine, B-00409

$C_{32}H_{48}O_4$
Estradiol dienanthate, *in* O-00028

$C_{32}H_{48}O_5$
Acetylenoxolone, *in* G-00072

$C_{32}H_{48}O_9$
▷Cerberin, *in* D-00274
Cryptograndoside A, *in* T-00474
Monoacetyl vallaroside, *in* D-00274
Mono-O-acetylsolanoside, *in* D-00274
▷Oleandrin, *in* T-00474

$C_{32}H_{48}O_{10}$
Acoschimperoside P, *in* T-00474
Vallarosolanoside, *in* T-00474

$C_{32}H_{50}N_{12}O_{15}$
Serum thymic factor, S-00054

$C_{32}H_{52}Br_2N_4O_4$
Demecarium bromide, *in* D-00061

$C_{32}H_{52}N_4O_4^{\oplus\oplus}$
Demecarium(2+), D-00061

$C_{32}H_{54}N_4O_2S_2$
Benextramine, B-00049

$C_{32}H_{55}BrN_4O$
Thonzonium bromide, *in* T-00217

$C_{32}H_{55}N_4O^{\oplus}$
Thonzonium(1+), T-00217

$C_{32}H_{58}O_{10}$
Octoxynol 9, O-00024

$C_{32}H_{59}N_5O_9$
Pepstatin *PR*, *in* P-00109

$C_{33}H_{24}Hg_2O_6S_2$
▷Hydrargaphen, H-00094

$C_{33}H_{26}O_9$
1,2,3,4-Tetra-*O*-benzoyl-α-D-xylopyranoside, *in* X-00024
2,3,4,5-Tetra-*O*-benzoyl-β-L-xylopyranoside, *in* X-00024

$C_{33}H_{33}N_3O_{10}$
Carminazone, *in* C-00081

$C_{33}H_{35}FO_8$
Triamcinolone furetonide, *in* T-00419

$C_{33}H_{35}N_5O_5$
▷Ergotamine, E-00106
Ergotaminine, *in* E-00106

$C_{33}H_{35}N_5O_6$
8-Hydroxyergotamine, *in* E-00106

$C_{33}H_{37}N_5O_5$
▷Dihydroergotamine, *in* E-00106

$C_{33}H_{38}N_2O_8$
Rescimetol, R-00027

$C_{33}H_{39}NO_{14}$
▷Detorubicin, D-00108

$C_{33}H_{40}N_2O_9$
▷Methoserpidine, M-00191
▷Reserpine, R-00029

$C_{33}H_{40}N_2O_{10}$
Renoxydine, *in* R-00029

$C_{33}H_{41}NO_{17}$
Ethoxazorutoside, *in* R-00106

$C_{33}H_{42}O_{19}$
Troxerutin, T-00559

$C_{33}H_{43}FO_6$
Betamethasone adamantoate, *in* B-00141

$C_{33}H_{43}F_3N_2O_2S$
Flupentixol decanoate, *in* F-00198

$C_{33}H_{43}N_5O_5$
Mergocriptine, M-00125

$C_{33}H_{44}ClN_3O_{10}$
Normaytansine, *in* M-00026

$C_{33}H_{44}N_4O_{10}$
Riboflavine 2′,3′,4′,5′-tetrabutanoate, *in* R-00038

$C_{33}H_{45}ClN_2O_9$
Ansamitocin P-4, *in* M-00027

$C_{33}H_{45}ClN_2O_{10}$
30-Hydroxyansamitocin P-4, *in* M-00027
3-(3-Hydroxyisovaleroyl)maytansinol, *in* M-00027
3-(4-Hydroxyisovaleroyl)maytansinol, *in* M-00027

$C_{33}H_{45}NO_6S$
Tiprostanide, T-00318

$C_{33}H_{47}NO$
Moctamide, M-00416

$C_{33}H_{47}NO_{13}$
▷Pimaricin, P-00253

$C_{33}H_{49}NO_{10}S$
11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)-amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, *in* M-00297

$C_{33}H_{52}O_8$
5-Spirosten-3-ol; 3-*O*-β-D-Glucopyranoside, *in* S-00129
Trillin, *in* S-00129

$C_{33}H_{53}NO_3$
Naboctate, N-00004

$C_{33}H_{54}O_5$
α-Tocopherol succinate, *in* T-00335

$C_{33}H_{55}NO_8$
Peiminoside, *in* V-00024

$C_{33}H_{58}Br_2N_2O_3$
▷Dacuronium bromide, *in* D-00003

$C_{33}H_{58}N_2O_3^{\oplus\oplus}$
Dacuronium(2+), D-00003

$C_{33}H_{60}O_{10}$
Nonoxynol 9, N-00206

$C_{33}H_{61}N_5O_9$
Pepsidin *A*, *in* P-00109
Pepstatin *BU*, *in* P-00109

$C_{34}H_{24}N_6Na_4O_{14}S_4$
▷Azovan Blue, A-00532

$C_{34}H_{30}O_{10}$
Glucitol; 1,2,4,6-Tetrabenzoyl, *in* G-00054
Glucitol; 1,2,5,6-Tetrabenzoyl, *in* G-00054

$C_{34}H_{32}N_4O_9$
▷Nicomol, N-00100

$C_{34}H_{34}N_2O_4$
Asterriquinone A1, *in* A-00467

$C_{34}H_{34}N_4O_4$
Protoporphyrin, P-00541

$C_{34}H_{35}ClN_2O_{11}$
Antibiotic 2562B, *in* C-00221

$C_{34}H_{35}N_3O_{10}$
▷Zorubicin, *in* D-00019

$C_{34}H_{37}N_5O_5$
Metergotamine, *in* E-00106

$C_{34}H_{38}N_2O_4$
Nafiverine, N-00017

$C_{34}H_{38}N_4O_6$
▷Haematoporphyrin, H-00002

$C_{34}H_{40}I_6N_4O_{12}$
Iozomic acid, I-00150

$C_{34}H_{40}N_2O_9$
Rescidine, *in* R-00028

$C_{34}H_{41}N_3O_{10}$
Cinecromen, C-00359

$C_{34}H_{44}N_2O_{16}S$
Paulomycinone *A*, *in* P-00044

$C_{34}H_{46}Br_2N_2$
Hedaquinium(2+); Dibromide, *in* H-00023

$C_{34}H_{46}ClN_3O_{10}$
▷Maytansine, M-00026

$C_{34}H_{46}Cl_2N_2$
▷Hedaquinium chloride, *in* H-00023

$C_{34}H_{46}N_2^{\oplus\oplus}$
Hedaquinium(2+), H-00023

$C_{34}H_{46}N_2O_{17}S$
Paulomycin *A*, P-00044

$C_{34}H_{46}N_4O_4$
▷Dequalinium acetate, *in* D-00088

$C_{34}H_{48}Cl_2O_6S_2$
Tiafibrate, *in* B-00217

$C_{34}H_{48}O_2$
Vitamin D_3; Benzoyl, *in* V-00062

$C_{34}H_{48}O_4$
Testosterone hexyloxyphenylpropionate, *in* H-00111

$C_{34}H_{50}Cl_2N_4O_2$
▷Benzoquinonium chloride, *in* B-00096

$C_{34}H_{50}N_4O_2^{\oplus\oplus}$
Benzoquinonium(2+), B-00096

$C_{34}H_{50}O_4$
▷Carbenoxolone, *in* G-00072

$C_{34}H_{50}O_{11}$
Monoacetylacoschimperoside P, *in* T-00474

$C_{34}H_{52}I_2N_2O_4$
Truxicurium(2+); Diiodide, *in* T-00562

$C_{34}H_{52}N_2O_2$
Anipamil, A-00392

$C_{34}H_{52}N_2O_4^{\oplus\oplus}$
Truxicurium(2+), T-00562

$C_{34}H_{52}O_6$
Deloxolone, D-00057

$C_{34}H_{53}N_3O_3$
Dosergoside, D-00586

$C_{34}H_{54}O_3$
Estradiol palmitate, *in* O-00028

$C_{34}H_{54}O_8$
▷Lasalocid *A*, L-00011

$C_{34}H_{54}O_{14}$
Neutramycin, N-00081

$C_{34}H_{55}NO_{10}$
Rosaramicin propionate, *in* R-00092

$C_{34}H_{57}BrN_2O_4$
▷Vecuronium bromide, *in* V-00014

$C_{34}H_{57}N_2O_4^{\oplus}$
Vecuronium (1+), V-00014

$C_{34}H_{58}O_{11}$
3-O-Demethylmonensin B, *in* M-00428

$C_{34}H_{63}N_5O_9$
▷Pepstatin *A*, 9CI, *in* P-00109

$C_{34}H_{63}N_5O_{10}$
Hydroxypepstatin A, *in* P-00109

$C_{35}H_{28}N_4O_{11}$
Nicofurate, *in* M-00308

$C_{35}H_{30}O_{11}$
Methyl 2,3,4,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
Methyl 2,3,5,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055

$C_{35}H_{33}NO_{12}$
Neocarzinostatin chromophore, *in* N-00067

$C_{35}H_{34}O_5$
Etamestrol, E-00135

$C_{35}H_{36}N_2O_6$
Nor-N^b-chondocurine, *in* C-00309

$C_{35}H_{37}ClN_2O_{11}$
▷Chlorobiocin, C-00221

$C_{35}H_{38}Cl_2N_8O_4$
Itraconazole, I-00222

$C_{35}H_{38}N_4O_6$
Manidipine, M-00017

$C_{35}H_{39}N_5O_5$
Ergocristine, E-00102
Ergocristinine, *in* E-00102

$C_{35}H_{41}N_5O_5$
Dihydroergocristine, *in* E-00102

$C_{35}H_{42}FNO_8$
Triamcinolone benetonide, *in* T-00419

$C_{35}H_{42}N_2O_7$
Cycleanine N^2-oxide, *in* C-00590

$C_{35}H_{42}N_2O_9$
Rescinnamine, *in* R-00028

$C_{35}H_{42}N_2O_{11}$
▷Syrosingopine, S-00287

$C_{35}H_{44}I_6N_6O_{15}$
Iodixanol, I-00099

$C_{35}H_{44}I_6N_6O_{16}$
Iodecol, I-00096

$C_{35}H_{44}N_2O_9$
Rescinnamidine, *in* R-00028

$C_{35}H_{45}Cl_2NO_6$
▷Prednimustine, P-00411

$C_{35}H_{46}N_6O_8S$
Amogastrin, A-00354

$C_{35}H_{48}ClN_3O_{10}$
Maytanprine, *in* M-00026

$C_{35}H_{48}N_{10}O_{15}$
L-Tryptophyl-L-alanyl-glycyl-glycyl-L-aspartyl-L-alanyl-L-seryl-glycyl-L-glutamic acid, T-00568

$C_{35}H_{51}N_3O_4S_2$
Pipotiazine undecylenate, *in* P-00302

$C_{35}H_{52}N_2O_3$
Nabitan, N-00003

$C_{35}H_{52}O_{14}$
▷Erysimoside, *in* T-00478

$C_{35}H_{52}O_{15}$
▷Cheirotoxin, *in* T-00478
Eryscenoside, *in* T-00478

$C_{35}H_{53}NO_3$
α-Tocopherol nicotinate, *in* T-00335

$C_{35}H_{54}O_8$
Tetronasin, T-00157

$C_{35}H_{54}O_9$
Adigoside, *in* T-00474

$C_{35}H_{54}O_{12}$
Coroloside, *in* D-00274
Glucoevatromonoside, *in* D-00274

$C_{35}H_{54}O_{13}$
Digitoxigenin glucosidoglucomethyloside, *in* D-00274
Digitoxigenins glucosidoallomethyloside, *in* D-00274
▷Glucodigifucoside, *in* D-00274
Neoglucodigifucoside, *in* D-00274

$C_{35}H_{54}O_{14}$
▷Erysimosol, *in* T-00478
Rhodexin C, *in* T-00474

$C_{35}H_{55}NO_3$
Nabazenil, N-00001

$C_{35}H_{58}O_6$
α-Tocopherolhydroquinone; Tri-Ac, *in* T-00337

$C_{35}H_{58}O_9$
Filipin I, *in* F-00106

$C_{35}H_{58}O_{10}$
Filipin II, *in* F-00106

$C_{35}H_{58}O_{11}$
▷Filipin III, *in* F-00106
Filipin IV, *in* F-00106

$C_{35}H_{59}Al_3N_{10}O_{24}$
▷Aceglutamide aluminum, *in* A-00012

$C_{35}H_{60}Br_2N_2O_4$
▷Pancuronium bromide, *in* P-00012

$C_{35}H_{60}N_2O_4^{\oplus\oplus}$
Pancuronium(2+), P-00012

$C_{35}H_{60}O_6$
Daucosterol, *in* S-00151
5-Stigmasten-3-ol; β-D-Galactoside, *in* S-00151

$C_{35}H_{60}O_{11}$
Monensin *B*, *in* M-00428
3-O-Demethylmonensin, *in* M-00428

$C_{35}H_{61}NO_{12}$
▷Oleandomycin, O-00035

$C_{35}H_{62}Br_2N_4O_4$
Arduan, *in* P-00277

$C_{35}H_{62}N_4O_4^{\oplus\oplus}$
Pipecuronium(2+), P-00277

$C_{35}H_{65}N_5O_9$
Pepstatin *B*, *in* P-00109
Pepstatin *C*, *in* P-00109
Procidin S 735M, *in* P-00109

$C_{35}H_{72}BrN_3$
Pirralkonium bromide, *in* P-00357

$C_{35}H_{72}N_3^{\oplus}$
Pirralkonium(1+), P-00357

$C_{36}H_{28}N_6O_{10}$
Glucosamine pentanicotinate, *in* A-00235

$C_{36}H_{32}O_{11}$
Ethyl 2,3,4,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055
Ethyl 2,3,5,6-tetra-*O*-benzoyl-D-gluconate, *in* G-00055

$C_{36}H_{36}N_2O_3$
Fetoxylate, *in* D-00265

$C_{36}H_{38}N_2O_6$
2,2′-Bisnorphaeanthine, *in* T-00152
Chondocurine, C-00309
▷Isochondodendrine, I-00182
2-Norlimacine, *in* F-00017

$C_{36}H_{39}N_3O_6$
Niguldipine, N-00138

$C_{36}H_{42}Br_2N_2$
▷Hexafluorenium bromide, *in* H-00046

$C_{36}H_{42}N_2^{\oplus\oplus}$
Hexafluorenium(2+), H-00046

$C_{36}H_{42}N_4O_6$
Haematoporphyrin; Di-Me ester, *in* H-00002

$C_{36}H_{49}N_3NaO_{22}Sb_3$
▷Stibamine glucoside, S-00148

$C_{36}H_{50}ClN_3O_{10}$
Maytanbutine, *in* M-00026

$C_{36}H_{50}Cl_2O_5$
Locicortone, L-00068

$C_{36}H_{52}O_8$
Antibiotic LL-F28249α, A-00408

$C_{36}H_{52}O_{12}$
3,14-Dihydroxy-4,20,22-bufatrienolide; 3-(Di-L-rhamnoside), *in* D-00319

$C_{36}H_{52}O_{13}$
▷Scillaren A, *in* D-00319

$C_{36}H_{52}O_{15}$
▷Hellebrin, *in* T-00477

$C_{36}H_{53}NO_{13}$
▷Lucensomycin, L-00112

$C_{36}H_{56}N_2O_4$
Dagapamil, D-00004

$C_{36}H_{56}O_{11}$
Bulloside, *in* D-00274

$C_{36}H_{56}O_{12}$
Echubioside, *in* D-00274

$C_{36}H_{56}O_{13}$
Graciloside, *in* D-00274
Neoodorobioside G, *in* D-00274

$C_{36}H_{56}O_{14}$
▷Digitalin, *in* T-00474

$C_{36}H_{58}O_3$
Estradiol stearate, *in* O-00028

$C_{36}H_{60}O_2$
▷Retinol palmitate, *in* V-00058
▷Vitamin A_1, V-00058

$C_{36}H_{62}N_4$
Octenidine, O-00020

$C_{36}H_{62}O_{11}$
▷Monensin *A*, *in* M-00428

$C_{36}H_{63}NO_{13}$
Antibiotic P 15153, *in* E-00116

$C_{36}H_{65}NO_{12}$
Antibiotic P 15149, *in* E-00116

$C_{36}H_{65}NO_{13}$
Antibiotic P 15148, *in* E-00116
Antibiotic P 15150, *in* E-00116

$C_{36}H_{66}N_6O_6Tc^{\oplus}$
Technetium sestamibi, *in* M-00205

$C_{36}H_{66}O_3$
9-Octadecenoic acid; Anhydride, *in* O-00010

$C_{36}H_{67}N_5O_9$
Pepstatin *D*, *in* P-00109
Pepstatin *E*, *in* P-00109
Pepstatin *F*, *in* P-00109

$C_{36}H_{74}Cl_2N_2$
▷Triclobisonium chloride, *in* T-00448

$C_{36}H_{74}N_2^{\oplus\oplus}$
Triclobisonium(2+), T-00448

$C_{37}H_{33}N_7O_8$
▷Rachelmycin, R-00001

$C_{37}H_{34}N_4O_5$
▷Protoporphyrin; Na salt, *in* P-00541

$C_{37}H_{36}O_{18}$
Cynarine; Hexa-Ac, *in* C-00643

$C_{37}H_{40}N_2O_6$
Fangchinoline, F-00017
Hayatidine, *in* C-00309
$N^{2'}$-Desmethylcycleanine, *in* C-00590
Norcycleanine, *in* C-00590
2-Nortetrandrine, *in* T-00152

$C_{37}H_{40}N_2O_7$
Limacine 2β-N-oxide, *in* F-00017
Limacine 2'α-N-oxide, *in* F-00017
Limacine 2'β-N-oxide, *in* F-00017

$C_{37}H_{40}N_2O_8S$
Cortisuzol, C-00550

$C_{37}H_{42}Cl_2N_2O_6$
Tubocurarine chloride, *in* T-00571

$C_{37}H_{42}N_2O_6$
N'-Demethyldauricine, *in* D-00020

$C_{37}H_{42}N_2O_6^{\oplus\oplus}$
▷Tubocurarine(2+), T-00571

$C_{37}H_{42}N_2O_7$
▷Hydrocortisone bendazac, *in* C-00548

$C_{37}H_{47}NO_{12}$
▷Rifamycin, R-00046

$C_{37}H_{48}I_6N_6O_{18}$
Iotrolan, I-00144

$C_{37}H_{49}N_3O_5S$
Iprotiazem, I-00163

$C_{37}H_{49}N_7O_9S$
▷Pentagastrin, P-00079

$C_{37}H_{52}ClN_3O_{10}$
Maytanvaline, *in* M-00026

$C_{37}H_{52}ClN_3O_{11}$
Colubrinol, *in* M-00026

$C_{37}H_{54}O_4$
Carpesterol, C-00094

$C_{37}H_{55}ClO_4$
Tocofenoxate, T-00333

$C_{37}H_{56}N_2O_3$
Menabitan, M-00086

$C_{37}H_{56}O_6$
Prednisone palmitate, *in* P-00413

$C_{37}H_{56}O_{15}$
Glucoverodoxin, *in* T-00474

$C_{37}H_{56}O_{16}$
Rhodexin D, *in* T-00474

$C_{37}H_{58}O_6$
Prednisolone palmitate, *in* P-00412

$C_{37}H_{59}NO_2$
Didesacetylprotoveratrine A, *in* P-00543

$C_{37}H_{60}BrNO_4$
Roxolonium(1+); Bromide, *in* R-00101

$C_{37}H_{60}NO_4^{\oplus}$
Roxolonium(1+), R-00101

$C_{37}H_{61}NO_{12}$
Mycinamycin I, *in* M-00474

$C_{37}H_{61}NO_{13}$
Mycinamycin II, M-00474

$C_{37}H_{64}O_{11}$
Monensin *C*, *in* M-00428

$C_{37}H_{67}NO_{12}$
▷Erythromycin *B*, E-00116

$C_{37}H_{67}NO_{13}$
▷Erythromycin, E-00115

$C_{37}H_{69}N_5O_9$
Pepstatin *G*, *in* P-00109
Pepstatin *H*, *in* P-00109

$C_{38}H_{27}NO_5$
Cinnoxyphenisatin, *in* O-00160

$C_{38}H_{29}N_5O_8$
Adenosine; 6*N*,2',3',5'-Tetrabenzoyl, *in* A-00067

$C_{38}H_{37}FO_7$
Betamethasone acibutate, *in* B-00141

$C_{38}H_{42}N_2O_6$
Cycleanine, C-00590
Tetrandrine, T-00152

$C_{38}H_{42}N_2O_7$
Phaeanthine 2′α-N-oxide, *in* T-00152
Tetrandrine mono-*N*-2′-oxide, *in* T-00152

$C_{38}H_{42}N_8O_6S_2$
▷Bisbentiamine, B-00194

$C_{38}H_{44}Cl_2N_2O_6$
Chondocurine; *N*,*N*′-Di-Me, dichloride, *in* C-00309

$C_{38}H_{44}I_2N_2O_6$
Chondocurine; *N*,*N*′-Di-Me, diiodide, *in* C-00309

$C_{38}H_{44}N_2O_6$
▷Dauricine, D-00020

$C_{38}H_{44}N_2O_6^{\oplus\oplus}$
Chondocurarine, *in* C-00309

$C_{38}H_{44}N_2O_8$
Bisinomenine, *in* S-00079

$C_{38}H_{45}ClF_5NO_2$
Penfluoridol decanoate, *in* P-00062

$C_{38}H_{50}I_6N_6O_{14}S$
Iotasul, I-00139

$C_{38}H_{51}NO_4$
Myrophine, M-00477

$C_{38}H_{54}O_{12}$
Datiscoside, D-00018

$C_{38}H_{56}I_2N_2O_4$
Truxipicurium iodide, *in* T-00563

$C_{38}H_{56}N_2O_4^{\oplus\oplus}$
Truxipicurium(2+), T-00563

$C_{38}H_{56}N_4O_{10}$
3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; 3-Suberoyl-L-arginine ester, *in* T-00477

$C_{38}H_{56}O_7$
Cicloxolone, C-00337

$C_{38}H_{58}O_{14}$
Cryptograndoside B, *in* T-00474

$C_{38}H_{59}FO_6$
Dexamethasone palmitate, *in* D-00111

$C_{38}H_{60}O_6$
Methandriolbisenanthoyl acetate, *in* M-00225

$C_{38}H_{63}NO_{12}$
23-De[(6-deoxy-2,3-di-*O*-methyl-β-D-allopyranosyl)oxy]-tylosin, *in* T-00578

$C_{38}H_{63}NO_{13}$
23-De(6-deoxy-2,3-di-O-methyl-β-D-allopyranosyl)tylosin, 9CI, *in* T-00578

$C_{38}H_{63}NO_{14}$
▷Lactenocin, *in* T-00578

$C_{38}H_{65}NO_{12}$
23-Demycinosyltylosin D, *in* T-00579

$C_{38}H_{65}NO_{14}$
Davercin, *in* E-00115

$C_{38}H_{66}Br_2N_2O_2$
Deditonium bromide, *in* D-00043

$C_{38}H_{66}N_2O_2^{\oplus\oplus}$
Deditonium(2+), D-00043

$C_{38}H_{69}NO_{13}$
6-*O*-Methylerythromycin, *in* E-00115

$C_{38}H_{71}N_5O_9$
Pepstatin *I*, *in* P-00109

$C_{38}H_{72}N_2O_{12}$
Azithromycin, A-00528

$C_{39}H_{29}Cl_9N_2O_3S_2$
Alazanine triclofenate, *in* E-00187

$C_{39}H_{42}I_2N_2O_6$
Tubocurarine(2+); Diiodide, *in* T-00571

$C_{39}H_{43}N_5O_{12}S$
Penimocycline, P-00069

$C_{39}H_{44}ClN_2O_6^{\oplus}$
N^2-Chloromethyltetrandrinium, *in* T-00152

$C_{39}H_{44}Cl_2N_2O_6$
Tetrandrine; N^2-Chloromethyl, chloride, *in* T-00152

$C_{39}H_{45}NO_{10}$
Actamycin, A-00052

$C_{39}H_{45}N_2O_6^{\oplus}$
Monomethyltetrandrinium, *in* T-00152

$C_{39}H_{46}N_2O_6$
O-Methyldauricine, *in* D-00020

$C_{39}H_{46}N_2O_7$
O-Methyldauricine 2-N-oxide, *in* D-00020
O-Methyldauricine 2′-N-oxide, *in* D-00020

$C_{39}H_{47}NO_{13}$
Streptovaricin *Fc*, *in* S-00163

$C_{39}H_{49}NO_{13}$
8-Deoxyrifamycin B, *in* R-00047

$C_{39}H_{49}NO_{14}$
▷Rifamycin *B*, R-00047

$C_{39}H_{49}NO_{16}$
▷Nogalamycin, N-00198

$C_{39}H_{53}N_3O_9$
▷Bietaserpine, *in* R-00029

$C_{39}H_{54}ClN_3O_{12}$
Colubrinol acetate, *in* M-00026

$C_{39}H_{58}O_4$
Coenzyme Q_6, *in* C-00531

$C_{39}H_{59}ClO_4$
▷Tocofibrate, T-00334

$C_{39}H_{60}O_{16}$
16-O-Acetylglucogitrodimethoside, *in* T-00474

$C_{39}H_{61}NO_{13}$
Desacetylprotoveratrine A, *in* P-00543

$C_{39}H_{61}NO_{14}$
Desacetylprotoveratrine B, *in* P-00543

$C_{39}H_{62}O_{12}$
Ophiopogonin B, *in* S-00128
5-Spirosten-3-ol; 3-*O*-α-L-Rhamnopyranosyl(1→2)-β-D-glucopyranoside, *in* S-00129

$C_{39}H_{62}O_{13}$
▷Funkioside C, *in* S-00129

$C_{39}H_{65}NO_{14}$
Leucomycin A_5, L-00034

$C_{39}H_{69}NO_{14}$
Erythromycin acetate, *in* E-00115

$C_{39}H_{73}N_5O_9$
Pepstatin *J*, *in* P-00109

$C_{40}H_{48}Br_2N_2O_6$
▷2,2′-Dimethylcycloanimium dibromide, *in* C-00590

$C_{40}H_{48}Cl_2N_2O_6$
Dimethyltubocurarinium chloride, *in* T-00571

$C_{40}H_{48}Cl_2N_4O_2$
Calebassine; Dichloride, *in* C-00016

$C_{40}H_{48}N_4O_2^{\oplus\oplus}$
▷Calebassine, C-00016

$C_{40}H_{48}N_4O_3^{\oplus\oplus}$
C-Alkaloid F, *in* C-00016

$C_{40}H_{48}N_4O_4^{\oplus\oplus}$
C-Alkaloid A, *in* C-00016

$C_{40}H_{48}N_6O_{10}$
Bouvardin, B-00261

$C_{40}H_{49}NO_{14}$
Streptovaricin E, *in* S-00163

$C_{40}H_{51}NO_{13}$
▷Streptovaricin D, *in* S-00163

$C_{40}H_{51}NO_{14}$
▷Streptovaricin *C*, *in* S-00163

$C_{40}H_{51}NO_{15}$
Streptovaricin *G*, *in* S-00163

$C_{40}H_{52}N_2O_4$
Testosterone enanthate benziloylhydrazone, *in* H-00111

$C_{40}H_{54}O_{12}$
▷Acolongifloroside *K*, *in* H-00053

$C_{40}H_{56}$
α-Carotene, C-00087
β-Carotene, C-00088
γ-Carotene, C-00089

$C_{40}H_{56}O_2$
Lutein, L-00115

$C_{40}H_{56}O_{10}$
▷Clerocidin, C-00421

$C_{40}H_{58}N_4^{\oplus\oplus}$
Bisdequalinium(2+), B-00202

$C_{40}H_{59}FO_6$
Dexamethasone linoleate, *in* D-00111

$C_{40}H_{60}O_4$
Estradiol diundecylenate, *in* O-00028

$C_{40}H_{63}N_3O_4S_2$
Pipotiazine palmitate, *in* P-00302

$C_{40}H_{64}BO_{14}^{\ominus}$
O^{27}-De(2-amino-3-methyl-1-oxobutyl)boromycin, *in* B-00258

$C_{40}H_{64}N_2O_2$
Bolazine, *in* H-00153

$C_{40}H_{64}O_4$
Estradiol diundecylate, *in* O-00028

$C_{40}H_{64}O_{11}$
▷Dermostatin *A*, *in* D-00089

$C_{40}H_{67}NO_{14}$
▷Leucomycin A_1, L-00032

$C_{40}H_{71}NO_{14}$
Erythromycin propionate, *in* E-00115

$C_{40}H_{71}NO_{15}$
Erythromycin; 2′-(Ethyl carbonate), *in* E-00115

$C_{40}H_{72}O_{21}$
Ipolearoside, I-00152

$C_{41}H_{31}NO_{10}$
2,3,4,5,6-Penta-*O*-benzoyl-D-glucononitrile, *in* G-00055

$C_{41}H_{32}N_8O_{10}$
Riboflavine 2′,3′,4′,5′-tetra-3-pyridinecarboxylate, *in* R-00038

$C_{41}H_{33}NO_{11}$
2,3,4,5,6-Penta-*O*-benzoyl-D-gluconamide, *in* G-00055

$C_{41}H_{47}Cl_2NO_6$
Bestrabucil, *in* O-00028

$C_{41}H_{47}FN_2O_8$
▷Taucorten, *in* T-00419

$C_{41}H_{53}NO_{17}$
Alcindoromycin, *in* M-00022

$C_{41}H_{56}O_2$
Vitamin K_2(30), *in* V-00065

$C_{41}H_{56}O_5$
Cinoxolone, *in* G-00072

$C_{41}H_{63}NO_{14}$
▷Protoveratrine A, *in* P-00543

$C_{41}H_{63}NO_{15}$
▷Protoveratrine B, *in* P-00543
Protoveratrine C, *in* P-00543

$C_{41}H_{64}O_8$
Prednisolone stearoylglycolate, *in* P-00412

$C_{41}H_{64}O_{13}$
▷Digitoxin, *in* D-00275
Ophiopogonin A, *in* S-00128

$C_{41}H_{64}O_{14}$
▷Digoxin, D-00275
▷Gitoxin, *in* T-00474

$C_{41}H_{64}O_{15}$
Digitoxigenin glucosidobisdigitoxoside, *in* D-00274

$C_{41}H_{66}O_{11}$
Dermostatin *B*, *in* D-00089

$C_{41}H_{67}NO_{15}$
▷Leucomycin A_4, *in* L-00034
▷Platenomycin B_1, P-00371
▷Triacetyloleandomycin, *in* O-00035

$C_{41}H_{67}NO_{16}$
Maridomycin III, M-00023

$C_{41}H_{69}NO_{14}$
Diproleandomycin, *in* O-00035

$C_{41}H_{76}N_2O_{15}$
Roxithromycin, R-00100

$C_{42}H_{30}N_6O_{12}$
▷Inositol nicotinate, *in* I-00074

$C_{42}H_{32}N_6O_{12}$
D-Glucitolhexanicotinate, *in* G-00054

$C_{42}H_{38}O_2$
Sennoside *B*, *in* S-00042

$C_{42}H_{38}O_{20}$
Sennoside *A*, *in* S-00042
Sennoside *G*, *in* S-00042

$C_{42}H_{48}Cl_4N_2O_4$
Phenestrol, *in* B-00220

$C_{42}H_{49}N_7O_{10}$
Virginamycin S_2, *in* V-00054

$C_{42}H_{50}Cl_4N_2O_4$
▷Estradiol mustard, *in* O-00028

$C_{42}H_{53}NO_{15}$
▷Aclacinomycin *A*, A-00042
▷Streptovaricin *B*, *in* S-00163
Streptovaricin J, *in* S-00163

$C_{42}H_{53}NO_{16}$
9-Hydroxyaclacinomycin A, *in* A-00042
▷Streptovaricin *A*, *in* S-00163
Streptovaricin K, *in* S-00163

$C_{42}H_{54}Al_2Na_8O_{38}$
Sodium glucaspaldrate, *in* B-00185

$C_{42}H_{55}NO_{17}$
▷Marcellomycin, M-00022
Mimimycin, *in* M-00022

$C_{42}H_{62}O_{16}$
▷Glycyrrhizic acid, G-00073

$C_{42}H_{62}O_{18}$
Glucoscillaren *A*, *in* D-00319

$C_{42}H_{64}N_{12}O_{12}S_3$
[Thz^7]Oxytocin, T-00234

$C_{42}H_{64}O_4$
Acnestrol-Lotion, *in* D-00257

$C_{42}H_{65}N_{11}O_{12}$
▷Cargutocin, C-00076

$C_{42}H_{65}N_{11}O_{12}S_2$
4-L-Threonineoxytocin, T-00220

$C_{42}H_{65}N_{13}O_{10}$
Saralasin, S-00023

$C_{42}H_{66}O_{14}$
▷Medigoxin, *in* D-00275

$C_{42}H_{66}O_{17}$
▷Echujin, *in* D-00274

$C_{42}H_{66}O_{18}$
Thevetin B, *in* D-00274

$C_{42}H_{66}O_{19}$
Gitostin, *in* T-00474
Neogitostin, *in* T-00474

$C_{42}H_{67}NO_{16}$
▷Carbomycin, C-00056

$C_{42}H_{68}N_2O_2$
Mebolazine, M-00037

$C_{42}H_{69}NO_{15}$
▷Leucomycin A_3, L-00033
Rokitamycin, *in* L-00034

$C_{42}H_{70}O_{10}$
Antibiotic SY 1, *in* S-00017
Deoxy-epi-17-salinomycin, *in* S-00017

$C_{42}H_{70}O_{11}$
▷Salinomycin, S-00017

$C_{42}H_{78}N_2O_{14}$
Dirithromycin, D-00533

$C_{43}H_{48}N_2O_6S_2$
Indocyanine green, I-00062

$C_{43}H_{49}N_7O_{10}$
Virginiamycin S_1, V-00054

$C_{43}H_{49}N_7O_{11}$
Virginiamycin S_3, *in* V-00054

$C_{43}H_{51}N_3O_{11}$
Rifaximin, R-00049

$C_{43}H_{55}NO_{15}$
Aclacinomycin *A*; 5-Me ether, *in* A-00042
Aclacinomycin *A*; 7-Me ether, *in* A-00042
13-Methylaclacinomycin A, *in* A-00042

$C_{43}H_{55}N_5O_7$
▷Vindesine, *in* V-00032

$C_{43}H_{58}N_2O_{13}$
▷Rifamide, *in* R-00047

$C_{43}H_{58}N_4O_{12}$
▷Rifampicin, R-00045

$C_{43}H_{60}N_2O_{12}$
▷Mocimycin, M-00413

$C_{43}H_{60}N_8O_{11}$
Viridogrisein II, *in* V-00055

$C_{43}H_{62}N_2O_{12}$
5,6-Dihydromocimyin C, *in* M-00413

$C_{43}H_{62}N_4O_{23}S_3$
Paldimycin *B*, *in* P-00005

$C_{43}H_{65}N_{11}O_{12}S_2$
Deaminooxytocin, D-00030

$C_{43}H_{66}N_{12}O_{12}S_2$
▷Oxytocin, O-00167

$C_{43}H_{66}O_{14}$
▷Acetyldigitoxin, *in* D-00275

$C_{43}H_{66}O_{15}$
▷α-Acetyldigoxin, *in* D-00275
▷β-Acetyldigoxin, *in* D-00275

$C_{43}H_{67}N_{15}O_{12}S_2$
▷*Ile^3-Arginine vasopressin*, *in* V-00013

$C_{43}H_{70}O_{11}$
Narasin B, *in* N-00050

$C_{43}H_{71}NO_{15}$
Polyanine, *in* T-00374

$C_{43}H_{72}O_{10}$
20-Deoxy-17-epinarasin, *in* N-00050
20-Deoxynarasin, *in* N-00050

$C_{43}H_{72}O_{11}$
▷Narasin *A*, N-00050

$C_{43}H_{74}N_2O_{14}$
▷Foromacidin *A*, F-00249

$C_{43}H_{75}NO_{16}$
▷Erythromycin ethylsuccinate, *in* E-00115

$C_{43}H_{78}N_6O_{13}$
Muroctasin, M-00472

$C_{43}H_{90}N_2O_2$
Avridine, A-00488

$C_{44}H_{38}O_{23}$
Sennoside *E*, *in* S-00042
Sennoside *F*, *in* S-00042

$C_{44}H_{50}Cl_2N_4O_2$
▷Alcuronium chloride, *in* A-00105

$C_{44}H_{50}N_4O_2^{\oplus\oplus}$
▷Alcuronium(2+), A-00105

$C_{44}H_{52}N_8O_{10}$
Pristinamycin I_C, P-00440

$C_{44}H_{54}N_4O_7$
Vincovalinine, *in* L-00037

$C_{44}H_{56}N_4O_7$
Deacetoxyvinblastine, *in* V-00032

$C_{44}H_{56}N_4O_8$
▷Vinblastine; O^4-Deacetyl, *in* V-00032

$C_{44}H_{56}N_8O_7$
Cyclic(*N*-methyl-L-alanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-phenylalanyl), C-00592

$C_{44}H_{62}N_2O_{11}$
Heneicomycin, *in* M-00413

$C_{44}H_{62}N_2O_{12}$
▷1-Methylmocimycin, *in* M-00413

$C_{44}H_{62}N_8O_{11}$
▷Viridogrisein, V-00055

$C_{44}H_{64}N_4O_{23}S_3$
Paldimycin *A*, *in* P-00005

$C_{44}H_{64}O_{15}$
▷Gitaloxin, *in* T-00474

$C_{44}H_{66}N_4O_4$
Bisdequalinium diacetate, *in* B-00202

$C_{44}H_{66}O_4$
Coenzyme Q_7, *in* C-00531

$C_{44}H_{69}NO_{12}$
FK 506, F-00108

$C_{44}H_{69}N_{15}O_9S$
Adrenorphin, A-00078

$C_{44}H_{70}O_{16}$
Ophiopogonin D, *in* S-00128
Polyphyllin D, *in* S-00129

$C_{44}H_{71}NO_{17}$
Maridomycin propionate, *in* M-00023

$C_{44}H_{72}O_{10}$
Rutamycin B, *in* O-00037

$C_{44}H_{72}O_{11}$
▷Oligomycin *D*, O-00037

$C_{44}H_{73}NO_{17}$
Demethylmacrocin, *in* T-00578

$C_{44}H_{78}O_2$
▷Carcinolipin, *in* C-00306

$C_{44}H_{80}N_2O_{15}$
Megalomicin *A*, M-00070

$C_{45}H_{47}NO_{13}$
10-Deactyl-10-oxo-7-epi-taxol, *in* T-00037

$C_{45}H_{49}NO_{13}$
10-Deacetyltaxol, *in* T-00037

$C_{45}H_{52}O_8$
Feneritrol, F-00046

$C_{45}H_{54}N_4O_8$
Vinorelbine, V-00041

$C_{45}H_{56}N_4O_9$
N-Demethylvinblastine, *in* V-00032

$C_{45}H_{57}N_3O_9$
Beauvericin, B-00020

$C_{45}H_{63}N_{13}O_{12}S_2$
8-L-Ornithinevasopressin, *in* V-00013

$C_{45}H_{69}N_{11}O_{12}S$
Carbetocin, C-00048

$C_{45}H_{70}O_{15}$
Cationomycin, C-00108

$C_{45}H_{72}O_{16}$
Dioscin, *in* S-00129
5-Spirosten-3-ol; 3-*O*-[α-L-Rhamnopyranosyl(1→2)][β-D-glucopyranosyl(1→4)-α-L-rhamnopyranosyl(1→4)]-β-D-glucopyranoside, *in* S-00129

$C_{45}H_{72}O_{17}$
Balanitin 3, *in* S-00129
Gracillin, *in* S-00129
5-Spirosten-3-ol; 3-*O*-[α-L-Rhamnopyranosyl(1→2)][β-D-glucopyranosyl(1→4)]-β-D-glucopyranoside, *in* S-00129
5-Spirosten-3-ol; 3-*O*-β-D-Glucopyranosyl(1→4)-α-L-rhamnopyranosyl(1→4)-β-D-glucopyranoside, *in* S-00129

$C_{45}H_{72}O_{18}$
▷Funkioside D, *in* S-00129

$C_{45}H_{73}BNO_{15}$
▷Boromycin, B-00258

$C_{45}H_{73}NO_{16}$
Josamycin propionate, *in* L-00033

$C_{45}H_{75}NO_{16}$
2^C-Demethoxytylosin, *in* T-00578
4-epi-2^C-Demethoxytylosin, *in* T-00578

$C_{45}H_{75}NO_{17}$
2^C-O-Demethyltylosin, *in* T-00578
β_1-Tomatine, *in* T-00374
▷Tylosin C, *in* T-00578

$C_{45}H_{76}N_2O_{15}$
▷Foromacidin *B*, F-00250

$C_{45}H_{80}O_2$
5-Stigmasten-3-ol; Hexadecanoyl, *in* S-00151

$C_{46}H_{50}Cl_2N_6O_2$
Ditercalinium chloride, *in* D-00546

$C_{46}H_{50}N_6O_2^{\oplus\oplus}$
Ditercalinium(2+), D-00546

$C_{46}H_{54}N_4O_{10}$
▷Vinformide, V-00039

$C_{46}H_{54}N_4O_{11}$
21′-Oxoleurosine, *in* L-00037

$C_{46}H_{54}N_8O_{12}S_2$
Derpanicate, D-00090

$C_{46}H_{56}N_4O_9$
(4′α)-4′-Deoxy-22-oxovincaleukoblastine, *in* V-00037
▷Leurosine, L-00037

$C_{46}H_{56}N_4O_{10}$
Pleurosine, *in* L-00037
▷Vincristine, V-00037

$C_{46}H_{58}ClN_5O_8$
Proglumetacin, P-00467

$C_{46}H_{58}N_4O_8$
Isoleurosine, *in* L-00036

$C_{46}H_{58}N_4O_9$
▷Leurosidine, L-00036
▷Vinblastine, V-00032

$C_{46}H_{58}N_4O_{10}$
Leurocolumbine, *in* V-00032
Leurosidine $N^{b'}$-oxide, *in* L-00036
Vincadioline, *in* V-00032

$C_{46}H_{58}O_{27}$
Coptiside I, *in* D-00329

$C_{46}H_{62}N_4O_{11}$
Rifabutin, R-00044

$C_{46}H_{64}N_{14}O_{12}S_2$
Desmopressin, D-00097

$C_{46}H_{64}O_2$
Vitamin K_2(35), *in* V-00065

$C_{46}H_{64}O_{19}$
Gitoxin 3′,3″,3‴,4‴,16-pentaformate, *in* T-00474

$C_{46}H_{65}N_{13}O_{11}S_2$
Felypressin, F-00029

$C_{46}H_{65}N_{15}O_{12}S_2$
8-L-Arginine vasopressin, *in* V-00013

$C_{46}H_{71}N_{11}O_{11}S$
Nacartocin, N-00005

$C_{46}H_{72}O_{12}$
Napoleogenin B, *in* O-00036

$C_{46}H_{72}O_{17}$
Ophiopogonin C, *in* S-00128

$C_{46}H_{75}BNO_{16}$
N-Formylboromycin, *in* B-00258

$C_{46}H_{76}O_{14}$
▷Peliomycin, P-00053

$C_{46}H_{77}NO_{17}$
▷Tylosin, T-00578

$C_{46}H_{78}N_2O_{15}$
▷Foromacidin *C*, F-00251

$C_{46}H_{78}O_{17}$
Antibiotic X 14868C, *in* A-00411

$C_{46}H_{79}NO_{17}$
Tylosin *D*, T-00579

$C_{46}H_{80}N_2O_{13}$
Tilmicosin, T-00275

$C_{46}H_{82}N_2O_{16}$
Megalomycin *A* 4^λ-acetate, *in* M-00070

$C_{47}H_{51}NO_{14}$
7-epi-Taxol, *in* T-00037
▷Taxol, T-00037

$C_{47}H_{64}N_4O_{12}$
Rifapentine, R-00048

$C_{47}H_{65}N_{13}O_{12}$
▷*8-L-Lysine vasopressin*, *in* V-00013

$C_{47}H_{70}NO_{17}$
Nystatin A_1, *in* N-00235

$C_{47}H_{70}O_{14}$
Avermectin B_{1b}, A-00484

$C_{47}H_{72}O_{15}$
Avermectin B_{2b}, A-00486
Ivermectin B_{1b}, *in* I-00225

$C_{47}H_{73}NO_{17}$
▷Amphotericin *B*, A-00368

$C_{47}H_{75}NO_{17}$
▷Amphotericin A, *in* A-00368

$C_{47}H_{77}BNO_{16}$
N-Acetylboromycin, *in* B-00258

$C_{47}H_{80}O_{17}$
Antibiotic X 14868A, A-00411
Antibiotic X 14868D, *in* A-00411

$C_{48}H_{36}O_{12}$
1,2,3,4,5,6-Hexa-*O*-benzoyl-*myo*-inositol, *in* I-00074

$C_{48}H_{37}NO_{12}$
Gluconic acid; Amide, 1*N*,2,3,4,5,6-hexabenzoyl, *in* G-00055

$C_{48}H_{38}O_{12}$
1,2,3,4,5,6-Hexa-*O*-benzoyl-D-glucitol, *in* G-00054
1,2,3,4,5,6-Hexa-*O*-benzoyl-D-mannitol, *in* M-00018

$C_{48}H_{58}ClN_5O_9$
Vinzolidine, V-00048

$C_{48}H_{63}N_5O_9$
▷Vinglycinate, *in* V-00032

$C_{48}H_{64}N_2O_{17}$
Cytorhodin *S*, C-00665

$C_{48}H_{67}N_{13}O_{11}$
Arfalasin, A-00438

$C_{48}H_{72}O_{14}$
Avermectin B_{1a}, A-00483
Avermectin A_{1b}, A-00480

$C_{48}H_{74}O_{15}$
Avermectin B_{2a}, A-00485
Avermectin A_{2b}, A-00482
Ivermectin B_{1a}, *in* I-00225

$C_{48}H_{78}O_{19}$
▷Asiaticoside, *in* T-00485

$C_{48}H_{81}NO_{17}$
9,20-Dideoxo-9,20-dihydroxytylosin, *in* T-00578

$C_{48}H_{82}O_{17}$
Antibiotic X 14868B, *in* A-00411

$C_{48}H_{84}N_2O_{17}$
▷Megalomycin *A* 3^,4^-diacetate, *in* M-00070

$C_{48}H_{84}O_{14}$
Alborixin, A-00101

$C_{48}H_{138}N_{18}NaO_{34}S_{3\text{-}4}$
▷Gardimycin, G-00011

$C_{49}H_{61}N_9O_{13}$
Desglugastrin, D-00094

$C_{49}H_{62}N_{10}O_{16}S_3$
Sincalide, S-00077

$C_{49}H_{66}N_{10}O_{10}S_2$
Octreotide, O-00025

$C_{49}H_{69}N_{13}O_{12}$
5-L-Valineangiotensin II, *in* A-00385

$C_{49}H_{70}N_{14}O_{11}$
Angiotensinamide, *in* A-00385

$C_{49}H_{71}N_7O_{17}$
Cilofungin, C-00345

$C_{49}H_{74}O_4$
Coenzyme Q_8, *in* C-00531

$C_{49}H_{74}O_{14}$
Avermectin A_{1a}, A-00479

$C_{49}H_{76}O_{15}$
Avermectin A_{2a}, A-00481

$C_{49}H_{79}N_{11}O_{19}$
Empedopeptin, E-00041

$C_{49}H_{86}N_2O_{17}$
▷Megalomycin *A* 3^-acetate 4^-propanoate, *in* M-00070

$C_{49}H_{88}O_2$
5-Stigmasten-3-ol; Icosanoyl, *in* S-00151

$C_{50}H_{40}O_7$
Benzquercin, *in* P-00082

$C_{50}H_{60}Br_4N_6O_6S_2$
Cistinexine, C-00399

$C_{50}H_{60}N_6O_{16}$
Etamocycline, E-00138

$C_{50}H_{71}N_{13}O_{12}$
5-L-Isoleucineangiotensin II, *in* A-00385

$C_{50}H_{73}N_{15}O_{11}$
▷Kallidin I, *in* B-00264

$C_{50}H_{75}NO_4$
p,*p*′-(2-Pyridinylmethylene)bis(phenyl palmitate), P-00577

$C_{50}H_{77}NO_{12}$
Demethoxyrapamycin, *in* R-00013

$C_{50}H_{80}O_4$
4,4′-(1,2-Diethyl-1,2-ethenediyl)bis[phenol]-dihexadecanoate, *in* D-00257

$C_{50}H_{80}O_{21}$
Balanitin 2, *in* S-00129

$C_{50}H_{80}O_{22}$
▷Funkioside F, *in* S-00129

$C_{50}H_{83}NO_{21}$
Tomatine, *in* T-00374

$C_{51}H_{34}N_6Na_6O_{23}S_6$
▷Suramin sodium, S-00275

$C_{51}H_{43}N_{13}O_{12}S_6$
▷Nosiheptide, N-00227

$C_{51}H_{72}O_2$
Vitamin K_2(40), *in* V-00065

$C_{51}H_{74}O_{19}$
▷Pentaacetylgitoxin, *in* T-00474

$C_{51}H_{79}NO_{13}$
▷Rapamycin, R-00013

$C_{51}H_{82}O_{22}$
Balanitin 1, *in* S-00129
Funkioside E, *in* S-00129

$C_{51}H_{85}NO_{22}$
Sisunine, *in* T-00374

$C_{51}H_{90}O_7$
Sitoindoside I, *in* S-00151

$C_{51}H_{96}N_{16}O_{13}$
Colistin *B*, *in* C-00536
Colistin *C*, *in* C-00536

$C_{52}H_{74}N_2O_8^{\oplus\oplus}$
Laudexium(2+), L-00013

$C_{52}H_{74}N_{16}O_{15}S_2$
Terlipressin, T-00093

$C_{52}H_{76}O_{24}$
▷Mithramycin, M-00397

$C_{52}H_{84}N_2O_4$
Bolazine capronate, *in* H-00153

$C_{52}H_{98}N_{16}O_{13}$
▷Colistin B_H, *in* C-00536
▷Colistin B_L, *in* C-00536

$C_{53}H_{72}N_2O_{12}^{\oplus\oplus}$
Atracurium(2+), A-00472

$C_{53}H_{76}N_{14}O_{12}$
Teprotide, T-00079

$C_{53}H_{92}O_7$
Sitoindoside II, *in* S-00151

$C_{53}H_{100}N_{16}O_{13}$
Colistin *A*, *in* C-00536
▷Colistin A_L, *in* C-00536

$C_{53}H_{101}N_{16}O_{13}$
▷Colistin A_H, *in* C-00536

$C_{54}H_{78}N_{16}O_{22}S_3$
▷Bleomycin A_1, B-00242

$C_{54}H_{78}O_{25}$
Deisobutyrylolivomycin *A*, *in* O-00038
▷Olivomycin *A*, O-00038

$C_{54}H_{82}O_4$
Coenzyme Q_9, *in* C-00531

$C_{54}H_{84}O_{23}$
▷Escin, *in* O-00036

$C_{54}H_{85}N_{13}O_{15}S$
▷Eledoisin, E-00024

$C_{55}H_{59}N_5O_{20}$
▷Coumermycin A_1, C-00557

$C_{55}H_{75}N_{17}O_{13}$
▷Luteinizing hormone-releasing factor, L-00116

$C_{55}H_{76}N_{16}O_{12}$
Fertirelin, F-00096

$C_{55}H_{81}N_{17}O_{21}S_3^{\oplus}$
▷Bleomycin A_2, B-00243

$C_{55}H_{81}N_{19}O_{21}S_2$
▷Bleomycin B_2, B-00246

$C_{55}H_{83}N_{16}O_{21}S_3^{\oplus}$
▷Phleomycin A_2, *in* B-00243

$C_{55}H_{83}N_{19}O_{21}S_2$
▷Phleomycin D_1, *in* B-00246

$C_{55}H_{103}N_3O_{17}$
▷Primycin, P-00437

$C_{56}H_{68}N_6O_9$
Vintriptol, V-00045

$C_{56}H_{78}Cl_2N_2O_{16}$
Doxacurium chloride, *in* D-00589

$C_{56}H_{78}N_2O_{16}^{\oplus\oplus}$
Doxacurium(2+), D-00589

$C_{56}H_{80}O_2$
Vitamin $K_2(45)$, *in* V-00065

$C_{56}H_{85}N_{17}O_{12}$
Kallidin II, *in* B-00264

$C_{56}H_{92}N_{22}O_{21}S_2$
Bleomycin B_4, B-00245

$C_{56}H_{93}N_{16}O_{13}$
▷Polymyxin B_1, P-00384

$C_{56}H_{100}CuN_{18}O_{24}S_2$
▷Zorbamycin, Z-00038

$C_{57}H_{60}N_2O_8$
Bephenium embonate, *in* B-00132

$C_{57}H_{66}O_{30}$
Casanthranol; Dodecaacetate, *in* C-00107

$C_{57}H_{82}O_{26}$
4^B-Demethylolivomycin A, *in* O-00038

$C_{57}H_{86}N_{18}O_{21}S_2$
▷Bleomycin A_5, B-00244

$C_{58}H_{73}N_{13}O_{21}S_2$
Caerulein, C-00005

$C_{58}H_{80}Cl_2N_2O_{14}$
Mivacurium chloride, *in* M-00409

$C_{58}H_{80}N_2O_{14}^{\oplus\oplus}$
Mivacurium(2+), M-00409

$C_{58}H_{84}N_2O_{19}$
Partricin B, *in* P-00042

$C_{58}H_{88}N_{12}O_{10}$
Gramicidin S_3, *in* G-00083

$C_{59}H_{84}N_{16}O_{12}$
▷Leuprorelin, L-00035

$C_{59}H_{84}N_{18}O_{14}$
Goserelin, G-00081

$C_{59}H_{86}N_2O_{19}$
Mepartricin B, *in* P-00042
Partricin *A*, P-00042

$C_{59}H_{88}N_2O_{20}$
▷Efrotomycin, E-00020

$C_{59}H_{90}N_{12}O_{10}$
Gramicidin S_2, *in* G-00083

$C_{59}H_{90}O_4$
▷Coenzyme Q_{10}, *in* C-00531

$C_{59}H_{90}O_{26}$
▷Funkioside G, *in* S-00129

$C_{60}H_{86}N_{16}O_{13}$
▷Buserelin, B-00377

$C_{60}H_{88}N_2O_{19}$
Mepartricin A, *in* P-00042

$C_{60}H_{92}N_{12}O_{10}$
Gramicidin S_1, *in* G-00083

$C_{60}H_{107}N_{11}O_{12}$
Cyclosporin *Q*, *in* C-00638
Cyclosporin *R*, *in* C-00638

$C_{60}H_{107}N_{11}O_{13}$
Cyclosporin *S*, *in* C-00638

$C_{60}H_{108}O_8$
Sorbitan trioleate, *in* A-00387

$C_{60}H_{109}N_{11}O_{11}$
Cyclosporin *O*, *in* C-00638

$C_{61}H_{86}N_2O_{21}$
▷Trichomycin *A*, *in* H-00001

$C_{61}H_{87}N_{17}O_{14}$
5-L-Valineangiotensin I, *in* A-00385

$C_{61}H_{88}Cl_2O_{32}$
▷Avilamycin A, *in* A-00487

$C_{61}H_{88}N_{16}O_{14}$
Leuprolide acetate, *in* L-00035

$C_{61}H_{88}N_{18}O_{21}S_2$
▷Pepleomycin, P-00108

$C_{61}H_{88}O_2$
Vitamin $K_2(50)$, *in* V-00065

$C_{61}H_{90}Cl_2O_{32}$
Avilamycin *C*, A-00487

$C_{61}H_{90}N_{18}O_{21}S_2$
Phleomycin PEP, *in* P-00108

$C_{61}H_{109}N_{11}O_{12}$
Cyclosporin *L*, *in* C-00638
Cyclosporin *T*, *in* C-00638
Cyclosporin *U*, *in* C-00638
Cyclosporin B, *in* C-00638
Cyclosporin E, *in* C-00638

$C_{61}H_{109}N_{11}O_{13}$
Cyclosporin *P*, *in* C-00638
Cyclosporin *W*, *in* C-00638

$C_{61}H_{111}N_{11}O_{11}$
Cyclosporin *Z*, *in* C-00638

$C_{62}H_{68}N_6O_{16}$
Ditetracycline, D-00547

$C_{62}H_{78}N_8O_{20}S_2$
Topanicate, T-00380

$C_{62}H_{86}N_{12}O_{16}$
▷Actinomycin *D*, A-00057

$C_{62}H_{89}CoN_{13}O_{15}P$
Vitamin B_{12b}, V-00061

$C_{62}H_{89}N_{17}O_4$
5-L-Isoleucineangiotensin I, *in* A-00385

$C_{62}H_{92}CoN_{13}O_{15}P$
Vitamin B_{12a}, V-00060

$C_{62}H_{111}N_{11}O_{11}$
Cyclosporin F, *in* C-00638

$C_{62}H_{111}N_{11}O_{12}$
▷Cyclosporin *A*, *in* C-00638
Cyclosporin *H*, *in* C-00638
Cyclosporin *N*, *in* C-00638
Cyclosporin *X*, *in* C-00638
Cyclosporin *Y*, *in* C-00638
Cyclosporin I, *in* C-00638

$C_{62}H_{111}N_{11}O_{13}$
Cyclosporin C, *in* C-00638

$C_{63}H_{88}CoN_{14}O_{14}P$
▷Vitamin B_{12}, V-00059

$C_{63}H_{88}N_{12}O_{16}$
▷Actinomycin C_2, A-00055

$C_{63}H_{91}CoN_{13}O_{14}P$
Methylcobalamin, M-00241
Methyl-13-epicobalamin, *in* M-00241

$C_{63}H_{98}N_{18}O_{13}S$
Substance *P*, S-00171

$C_{63}H_{113}N_{11}O_{11}$
Cyclosporin *K*, *in* C-00638

$C_{63}H_{113}N_{11}O_{12}$
Cyclosporin *G*, *in* C-00638
Cyclosporin *M*, *in* C-00638
Cyclosporin *V*, *in* C-00638
Cyclosporin D, *in* C-00638

$C_{64}H_{82}N_{18}O_{13}$
Triptorelin, T-00531

$C_{64}H_{90}N_{12}O_{16}$
▷Actinomycin C_3, A-00056

$C_{65}H_{75}Cl_2N_9O_{24}$
56-Demethylvancomycin, *in* V-00007

$C_{65}H_{82}N_2O_{18}S_2$
Atracurium besylate, *in* A-00472

$C_{65}H_{85}N_{17}O_{12}$
▷Lutrelin, L-00117

$C_{66}H_{77}Cl_2N_9O_{24}$
▷Vancomycin, V-00007

$C_{66}H_{83}N_{17}O_{13}$
Nafarelin, N-00010

$C_{66}H_{86}N_{18}O_{12}$
Histrelin, H-00080

$C_{66}H_{103}N_{17}O_{16}S$
▷Bacitracin *A*, B-00002

$C_{68}H_{79}NO_{11}$
Cofisatin, *in* D-00049

$C_{68}H_{110}N_{22}O_{27}S_2$
▷Tallysomycin *A*, T-00010

$C_{69}H_{107}N_4O_{35}P$
Moenomycin *A*, *in* M-00418

$C_{72}H_{85}N_{19}O_{18}S_5$
▷Thiostrepton, T-00210

$C_{72}H_{100}CoN_{18}O_{17}P$
Coenzyme B_{12}, C-00529
5′-Deoxyadenosyl-13-epicobalamin, *in* C-00529

$C_{72}H_{101}N_{17}O_{26}$
Daptomycin, D-00014

$C_{73}H_{78}F_2O_{16}$
Flupamesone, F-00196

$C_{73}H_{129}N_3O_{30}$
Siagoside, S-00063

$C_{75}H_{135}N_7O_{42}P$
Moenomycin *C*, *in* M-00418

$C_{76}H_{104}N_{18}O_{19}S_2$
▷Somatostatin, S-00098

$C_{78}H_{105}ClN_{18}O_{13}$
Detirelix, D-00107

$C_{78}H_{121}N_{21}O_{20}$
Neurotensin, N-00080

$C_{81}H_{82}Cl_4N_8O_{30}$
Aricidin *A*, *in* A-00443

$C_{82}H_{84}Cl_4N_8O_{30}$
Aridicin *B*, *in* A-00443

$C_{83}H_{86}Cl_4N_8O_{30}$
Aridicin *C*, *in* A-00443

$C_{96}H_{136}N_{26}O_{28}S$
Bovine, *in* M-00075

$C_{98}H_{144}N_{28}O_{28}S$
Porcine, *in* M-00075

$C_{98}H_{144}N_{30}O_{28}S$
Monkey, *in* M-00075

$C_{99}H_{139}N_{19}O_{18}$
1-L-Valinegramicidin *A*, *in* G-00084

$C_{99}H_{155}N_{29}O_{21}S$
Alsactide, A-00152

$C_{99}H_{155}N_{31}O_{23}$
Dynorphin, D-00625

$C_{100}H_{156}N_{34}O_{22}S$
Giractide, G-00025

$C_{101}H_{158}N_{30}O_{23}S$
Codactide, C-00524

$C_{107}H_{138}Cl_2N_{26}O_{31}$
▷Enduracidin *A*, E-00053

$C_{112}H_{175}N_{39}O_{35}S_3$
Anaritide, A-00377

$C_{130}H_{220}H_{44}O_{41}$
Secretin, S-00034

$C_{131}H_{204}N_{40}O_{29}S$
Tricosactide, T-00453

$C_{136}H_{210}N_{40}O_{31}S$
▷Tetracosactrin, T-00108

$C_{142}H_{222}N_{42}O_{31}$
Pentacosactride, P-00075

$C_{142}H_{245}N_{12}O_{69}P$
Teichomycin A_1, *in* T-00056

$C_{145}H_{240}N_{44}O_{48}S_2$
Salcatonin, S-00013

$C_{148}H_{244}N_{42}O_{47}$
Elcatonin, E-00023

$C_{149}H_{246}N_{44}O_{42}S$
Sermorelin, S-00049

$C_{150}H_{230}N_{44}O_{38}S$
Octacosactrin, O-00006

$C_{151}H_{226}N_{40}O_{45}S_3$
Human, *in* C-00013

$C_{159}H_{232}N_{46}O_{45}S_3$
Porcine, *in* C-00013

$C_{181}H_{291}N_{55}O_{51}S_2$
Teriparatide, T-00091

$C_{207}H_{308}N_{56}O_{58}S$
▷Corticotrophin, C-00547

Seractide, S-00045

$C_{215}H_{358}N_{72}O_{66}S$
Somatorelin, S-00097

$C_{245}H_{368}N_{64}O_{74}S_6$
Bovine, *in* I-00078

$C_{247}H_{372}N_{64}O_{75}S_6$
Porcine, *in* I-00078

$C_{250}H_{410}N_{68}O_{75}$
Thymopoietin I, *in* T-00226

$C_{251}H_{412}N_{64}O_{78}$
Thymopoietin II, 9CI, *in* T-00226

$C_{253}H_{373}N_{67}O_{81}S_7$
β-Endorphin (human), *in* E-00075

$C_{255}H_{416}N_{66}O_{77}$
Thymopoietin III, *in* T-00226

$C_{257}H_{387}N_{65}O_{66}S_6$
▷Insulin, I-00076

$C_{259}H_{385}N_{71}O_{82}S_7$
β-Endorphin (human), *in* E-00075

$C_{269}H_{407}N_{73}O_{79}S_6$
Insulin argine, I-00077

$C_{284}H_{432}N_{84}O_{79}S_7$
▷Aprotinin, A-00432

$C_{345}H_{523}N_{93}O_{116}S_4$
Tendamistat, T-00067

$C_{390}H_{59}ClO_3$
Sitofibrate, *in* S-00151

$C_{734}H_{1166}N_{204}O_{216}S_5$
Interferon Gamma-1b, *in* I-00079

$C_{860}H_{1353}N_{227}O_{255}S_9$
Interferon Alfa-2a USAN, *in* I-00079

$C_{860}H_{1353}N_{229}O_{255}S_9$
Interferon Alfa-2b, *in* I-00079

$C_{978}H_{1540}N_{256}O_{286}S_9$
Sometribove, BAN, INN, USAN, *in* S-00099

$C_{979}H_{1527}N_{265}O_{287}S_8$
Sometripor, BAN, INN, USAN, *in* S-00099

$C_{990}H_{1528}N_{262}O_{300}S_7$
Human pituitary growth hormone, H-00090

$C_{995}H_{1537}N_{263}O_{301}S_8$
Somatrem, S-00099

$C_{2031}H_{3145}N_{585}O_{601}S_{31}$
Saruplase, S-00026

CaH_2O_2
▷Calcium hydroxide, C-00015

ClCs
▷Caesium chloride, C-00007

ClH_2HgN
▷Mercury amide chloride, M-00124

ClK
▷Potassium chloride, P-00391

ClNa
▷Sodium chloride, S-00085

ClRb
▷Rubidium chloride, R-00103

ClTl
▷Thallous chloride, T-00160

Cl_2Co
▷Cobaltous chloride, C-00522

$Cl_2H_6N_2Pt$
Diamminedichloroplatinum, D-00139

Cl_2Sr
▷Strontium chloride, S-00165

Cl_2Zn
▷Zinc chloride, Z-00016

Cl_3Cr
▷Chromic chloride, C-00310

Cl_3Fe
▷Ferric chloride, F-00087

Cl_3In
▷Indium chloride, I-00059

$CrNa_2O_4$
▷Sodium chromate, S-00086

CrO_4P
▷Chromic phosphate, C-00311

CuO_4S
▷Cupric sulfate, C-00576

FNa
▷Sodium fluoride, S-00087

F_2Sn
▷Stannous fluoride, S-00137

FeO_4S
▷Ferrous sulfate, F-00094

HLiO
▷Lithium hydroxide, L-00060

HO_4Mn
Permanganic acid, P-00127

HO_4Tc
Pertechnetic acid, P-00130

H_2MgO_2
Magnesium hydroxide, M-00008

H_2O_2
▷Hydrogen peroxide, H-00100

H_3O_4P
Phosphoric acid, P-00219

IK
▷Potassium iodide, P-00392

INa
▷Sodium iodide, S-00088

KH_2PO_4
Potassium phosphate, monobasic, *in* P-00219

$KMnO_4$
▷Potassium permanganate, *in* P-00127

K_2HPO_4
Potassium phosphate dibasic, *in* P-00219

MgO_4S
▷Magnesium sulfate, M-00010

$Mg_2O_8Si_3$
Magnesium trisilicate, M-00011

$Mg_3O_8P_2$
Magnesium phosphate, M-00009

$NNaO_2$
▷Sodium nitrite, S-00089

N_2O
▷Nitrous oxide, N-00189

N_2O_6Sr
▷Strontium nitrate, S-00166

NaH_2PO_4
▷Sodium phosphate monobasic, *in* P-00219

$NaTcO_4$
Sodium pertechnetate, *in* P-00130

Na_2HPO_4
▷Sodium phosphate dibasic, *in* P-00219

$Na_2O_3S_2$
▷Sodium thiosulfate, S-00091

Na_2O_4S
▷Sodium sulfate, S-00090

OZn
▷Zinc oxide, Z-00017
O_2Ti
▷Titanium dioxide, T-00326
O_4SZn
▷Zinc sulfate, Z-00018
$O_{86}Sb_9W_{21}$
Hexaoctacontaoxononaantimonateheneicosatungstate(19−), H-00059
$P_2O_7Sn_2$
Stannous pyrophosphate, S-00138
SeS_2
▷Selenium sulfide, S-00037

Chemical Abstracts Service Registry Number Index

This Index lists in numerical order all Chemical Abstracts Service (CAS) registry numbers contained in the Dictionary.

Where a CAS registry number applies to a derivative or to a stereoisomer or other variant embedded within the entry, the Dictionary number is preceded by the word '*in*'.

The symbol ▷ preceding an index term indicates that the Dictionary entry contains information on toxic or hazardous properties.

CAS Registry Number Index

50-00-0 ▷Formaldehyde, F-00244
50-02-2 ▷Dexamethasone, D-00111
50-03-3 ▷Hydrocortisone acetate, *in* C-00548
50-04-4 ▷Cortisone acetate, *in* C-00549
50-06-6 ▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
50-07-7 ▷Mitomycin *C*, M-00404
50-09-9 ▷Hexobarbital; Na salt, *in* H-00065
50-10-2 ▷Oxyphenonium bromide, *in* O-00161
50-11-3 ▷Metharbitone, M-00173
50-12-4 ▷Methoin, M-00188
50-13-5 ▷Meperidine hydrochloride, *in* P-00131
50-14-6 ▷Calciferol, C-00012
50-18-0 ▷Cyclophosphamide, C-00634
50-19-1 ▷Hydroxyphenamate, *in* P-00179
50-21-5 ▷2-Hydroxypropanoic acid, H-00207
50-22-6 ▷Corticosterone, C-00546
50-23-7 ▷Cortisol, C-00548
50-24-8 ▷Prednisolone, P-00412
50-27-1 ▷Oestriol, O-00030
50-28-2 ▷Oestradiol; 17*β-form*, *in* O-00028
50-29-3 ▷1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane, T-00432
50-33-9 ▷Phenylbutazone, P-00180
50-34-0 ▷Propantheline bromide, *in* P-00492
50-35-1 ▷2-Phthalimidoglutarimide, P-00223
50-36-2 ▷Cocaine; (−)-*form*, *in* C-00523
50-37-3 ▷Lysergide, L-00122
50-39-5 ▷Protheobromine, P-00534
50-41-9 ▷Clomiphene citrate, *in* C-00471
50-42-0 ▷Adiphenine hydrochloride, *in* A-00072
50-44-2 ▷1,7-Dihydro-6*H*-purine-6-thione, D-00299
50-47-5 ▷Desipramine, D-00095
50-48-6 ▷3-(10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, *in* N-00224
50-49-7 ▷Imipramine, I-00040
50-50-0 ▷Oestradiol benzoate, *in* O-00028
50-52-2 ▷Thioridazine, T-00209
50-53-3 ▷Chlorpromazine, C-00298
50-54-4 ▷Quinidine sulfate, *in* Q-00027
50-55-5 ▷Reserpine; (−)-*form*, *in* R-00029
50-56-6 ▷Oxytocin, O-00167
50-57-7 ▷Vasopressins; *8-L-Lysine vasopressin*, *in* V-00013
50-58-8 Phendimetrazine tartrate, *in* M-00290
50-59-9 ▷Cephaloridine, C-00176
50-60-2 ▷Phentolamine, P-00175
50-62-4 Reoxyl, *in* H-00066
50-63-5 ▷Aralen, *in* C-00284
50-65-7 ▷Niclosamide, N-00093
50-66-8 ▷1,7-Dihydro-6*H*-purine-6-thione; 6-*Thiol-form*, *S*-Me, *in* D-00299
50-67-9 ▷5-Hydroxytryptamine, H-00218
50-70-4 ▷Glucitol, G-00054
50-70-4 ▷Glucitol; D-*form*, *in* G-00054
50-71-5 ▷Alloxan, A-00128
50-76-0 ▷Actinomycin *D*, A-00057
50-78-2 ▷2-Acetoxybenzoic acid, A-00026
50-81-7 ▷Ascorbic acid; L-*form*, *in* A-00456
50-91-9 ▷2′-Deoxy-5-fluorouridine, D-00079
50-96-4 Isoetharine hydrochloride, *in* I-00185
50-98-6 ▷Ephedrine hydrochloride, *in* M-00221
51-02-5 ▷Alderlin, *in* P-00483
51-03-6 ▷Piperonyl butoxide, P-00293
51-05-8 ▷Procaine hydrochloride, *in* P-00447
51-06-9 ▷Procainamide, P-00446
51-15-0 ▷Pralidoxime chloride, *in* P-00395
51-18-3 ▷Tretamine, T-00416
51-21-8 ▷5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione, F-00190
51-24-1 ▷Tiratricol, T-00322
51-26-3 Thyropropic acid, T-00231
51-30-9 ▷Isoproterenol hydrochloride, *in* I-00198
51-31-0 ▷Isoprenaline; (*R*)-*form*, *in* I-00198
51-34-3 ▷Scopolamine; (−)-*form*, *in* S-00031
51-35-4 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*S*,4*R*)-*form*, *in* H-00210
51-40-1 ▷Norepinephrine bitartrate, *in* N-00208
51-41-2 ▷Noradrenaline; (*R*)-*form*, *in* N-00208
51-42-3 ▷Epinephrine bitartrate, *in* A-00075
51-43-4 ▷Adrenaline; (*R*)-*form*, *in* A-00075
51-45-6 ▷Histamine, H-00077
51-48-9 ▷Thyroxine; (*S*)-*form*, *in* T-00233
51-49-0 Thyroxine; (*R*)-*form*, *in* T-00233
51-52-5 ▷2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, D-00298
51-55-8 ▷Tropine tropate; (±)-*form*, *in* T-00554
51-56-9 ▷Homatropine hydrobromide, *in* H-00082
51-57-0 ▷Methedrine, *in* P-00202
51-60-5 ▷Neostigmine methylsulphate, *in* N-00070
51-61-6 ▷Dopamine, D-00579
51-62-7 ▷Levedrine, *in* P-00202
51-63-8 ▷Dextroamphetamine sulfate, *in* P-00202
51-64-9 ▷1-Phenyl-2-propylamine; (*S*)-*form*, *in* P-00202
51-66-1 ▷*p*-Acetanisidide, *in* M-00195
51-68-3 ▷Meclofenoxate BAN, M-00046
51-71-8 ▷(2-Phenylethyl)hydrazine, P-00189
51-73-0 ▷Tremorine, T-00409
51-75-2 ▷2,2′-Dichloro-*N*-methyldiethylamine, D-00193
51-77-4 ▷Gefarnate, G-00013
51-78-5 ▷4-Aminophenol; B,HCl, *in* A-00298
51-79-6 ▷Ethyl carbamate, E-00177
51-81-0 3-Aminophenol; B,HCl, *in* A-00297
51-83-2 ▷Carbachol, *in* C-00040
51-84-3 ▷Acetylcholine(1+), A-00030
51-85-4 ▷Bis(2-aminoethyl) disulfide, B-00188
51-92-3 Tetramethylammonium(1+), T-00144
51-98-9 ▷Norethisterone acetate, *in* N-00212
52-01-7 ▷Spironolactone, S-00125
52-21-1 ▷Prednisolone acetate, *in* P-00412
52-24-4 ▷Thiotepa, T-00211
52-31-3 ▷Cyclobarbitone, C-00596
52-39-1 ▷Aldosterone, A-00106
52-43-7 ▷5,5-Diallylbarbituric acid, D-00119
52-49-3 ▷Trihexyphenidyl hydrochloride, *in* B-00081
52-51-7 ▷2-Bromo-2-nitro-1,3-propanediol, B-00310
52-52-8 ▷1-Aminocyclopentanecarboxylic acid, A-00230
52-53-9 ▷Verapamil, V-00019
52-62-0 ▷Pentolinium tartrate, *in* P-00102
52-66-4 ▷Penicillamine; (±)-*form*, *in* P-00064
52-67-5 ▷Penicillamine; (*S*)-*form*, *in* P-00064
52-68-6 ▷Trichlorphon, T-00443
52-76-6 ▷Lynoestrenol, L-00121
52-78-8 ▷Norethandrolone, N-00211
52-85-7 ▷Famphur, F-00015
52-86-8 ▷Haloperidol, H-00015
52-88-0 ▷Methylatropine nitrate, *in* T-00554
52-89-1 ▷Cysteine; (*R*)-*form*, B,HCl, *in* C-00654
52-90-4 ▷Cysteine; (*R*)-*form*, *in* C-00654
53-03-2 ▷Prednisone, P-00413
53-06-5 ▷Cortisone, C-00549
53-10-1 ▷Hydroxydione sodium succinate, *in* H-00201
53-16-7 ▷Oestrone, O-00031
53-18-9 ▷Bietaserpine, *in* R-00029
53-19-0 ▷1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)-ethane, D-00180
53-21-4 ▷Cocaine hydrochloride, *in* C-00523
53-31-6 ▷Medibazine, M-00055
53-33-8 Paramethasone, P-00025
53-34-9 Fluprednisolone, F-00208
53-36-1 ▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297

53-39-4 ▷Oxandrolone, O-00086
53-43-0 ▷3-Hydroxy-5-androsten-17-one; 3β-*form*, *in* H-00110
53-46-3 ▷Methanthelinium bromide, *in* M-00169
53-60-1 ▷Promazine hydrochloride, *in* P-00475
53-73-6 Angiotensinamide, *in* A-00385
53-79-2 ▷Puromycin, P-00557
53-84-9 ▷Coenzyme I, C-00530
53-86-1 ▷Indomethacin, I-00065
53-89-4 Benzpiperylone, B-00100
54-03-5 ▷Hexobendine, H-00066
54-04-6 ▷Mescaline, M-00131
54-05-7 ▷Chloroquine, C-00284
54-06-8 ▷Adrenochrome, A-00077
54-11-5 ▷Nicotine; (*S*)-*form*, *in* N-00103
54-12-6 ▷Tryptophan; (±)-*form*, *in* T-00567
54-21-7 ▷2-Hydroxybenzoic acid; Na salt, *in* H-00112
54-25-1 ▷6-Azauridine, A-00514
54-30-8 ▷Camylofin, *in* D-00234
54-31-9 ▷Frusemide, F-00267
54-32-0 ▷Thymoxamine, T-00227
54-35-3 Procaine penicillin G, *in* B-00126
54-36-4 ▷2-Methyl-1,2-di-3-pyridyl-1-propanone, M-00248
54-42-2 ▷2′-Deoxy-5-iodouridine, D-00081
54-47-7 ▷Pyridoxal phosphate, P-00579
54-49-9 ▷2-Amino-1-(3-hydroxyphenyl)-1-propanol; (1*R*,2*S*)-*form*, *in* A-00274
54-62-6 ▷Aminopterin, A-00324
54-64-8 ▷Thiomersal, *in* E-00198
54-71-7 ▷Pilocarpine hydrochloride, *in* P-00252
54-80-8 ▷Pronethalol, P-00483
54-84-2 ▷Cinanserin hydrochloride, *in* C-00355
54-85-3 ▷Isoniazid, I-00195
54-91-1 ▷1,4-Bis(3-bromo-1-oxopropyl)piperazine, B-00195
54-92-2 ▷Iproniazid, I-00161
54-95-5 ▷6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, T-00133
54-97-7 2-Phenylcyclopropylamine, P-00186
55-03-8 ▷Levothyroxine sodium, *in* T-00233
55-06-1 Liothyronine sodium, *in* T-00487
55-16-3 ▷Scopolamine; (−)-*form*, B,HCl, *in* S-00031
55-27-6 ▷Noradrenaline; (±)-*form*, B,HCl, *in* N-00208
55-38-9 ▷Fenthion, F-00078
55-48-1 ▷Atropine sulfate, *in* T-00554
55-52-7 ▷(1-Methyl-2-phenylethyl)hydrazine, M-00289
55-55-0 ▷Metol, *in* A-00298
55-56-1 ▷Chlorhexidine, C-00206
55-63-0 ▷Glycerol trinitrate, G-00066
55-65-2 ▷Guanethidine, G-00102
55-68-5 ▷[(Nitrato-*O*)phenylmercury], *in* H-00191
55-68-5 ▷(Nitrato-*O*)phenylmercury, N-00169
55-73-2 1-Benzyl-2,3-dimethylguanidine, B-00114
55-86-7 ▷Mechlorethamine hydrochloride, *in* D-00193
55-91-4 ▷Diisopropyl phosphorofluoridate, D-00368
55-92-5 ▷Methacholine(1+), M-00160
55-94-7 Suxamethonium bromide, *in* S-00280
55-97-0 ▷Hexamethonium bromide, *in* H-00055
55-98-1 ▷Busulphan, B-00379
56-04-2 ▷2,3-Dihydro-6-methyl-2-thioxo-4(1*H*)pyrimidinone, D-00293
56-12-2 ▷4-Aminobutanoic acid, A-00221
56-17-7 ▷Bis(2-aminoethyl) disulfide; B,2HCl, *in* B-00188
56-23-5 ▷Carbon tetrachloride, C-00059
56-25-7 ▷Cantharidin, C-00028
56-28-0 Triclodazol, T-00449
56-29-1 ▷Hexobarbital, H-00065
56-34-8 ▷Etamon chloride, *in* T-00111
56-47-3 ▷Deoxycortone acetate, *in* H-00203
56-53-1 ▷Diethylstilbestrol; (*E*)-*form*, *in* D-00257
56-54-2 ▷Quinidine, Q-00027
56-59-7 Felypressin, F-00029
56-69-9 ▷5-Hydroxytryptophan, H-00219
56-72-4 ▷Coumaphos, C-00555
56-75-7 ▷Chloramphenicol; (1′*R*,2′*R*)-*form*, *in* C-00195
56-81-5 ▷Glycerol, G-00064
56-85-9 ▷Glutamine; (*S*)-*form*, *in* G-00060
56-94-0 Demecarium bromide, *in* D-00061
56-95-1 ▷Chlorhexidine; B,2AcOH, *in* C-00206
56-97-3 ▷Trimedoxime bromide, *in* T-00493
57-08-9 ▷Acexamic acid, *in* A-00259
57-09-0 ▷Cetrimonium chloride, *in* H-00044
57-09-0 ▷Cetrimonium bromide, *in* H-00044
57-13-6 ▷Urea, U-00011
57-15-8 ▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440
57-22-7 ▷Vincristine, V-00037
57-24-9 ▷Strychnine, S-00167
57-27-2 ▷Morphine, M-00449
57-29-4 ▷Nalorphine hydrochloride, *in* N-00032
57-33-0 ▷Pentobarbitone sodium, *in* P-00101
57-37-4 ▷Suavitil, *in* B-00034
57-41-0 ▷5,5-Diphenyl-2,4-imidazolidinedione, D-00493
57-42-1 ▷Pethidine, P-00131
57-43-2 ▷Amobarbital, A-00352
57-44-3 ▷5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00256
57-47-6 ▷Eserine, E-00122
57-53-4 ▷Meprobamate, M-00104
57-57-8 ▷2-Oxetanone, O-00105
57-62-5 ▷Aureomycin, A-00476
57-63-6 ▷17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol, E-00231
57-64-7 ▷Physostigmine salicylate, *in* E-00122
57-65-8 Thyromedan hydrochloride, *in* T-00230
57-66-9 ▷Probenecid, P-00444
57-67-0 ▷Sulphaguanidine, S-00240
57-68-1 ▷Sulfamethazine, S-00196
57-83-0 ▷Progesterone, P-00466
57-85-2 ▷17-(1-Oxopropoxy)androst-4-en-3-one, *in* H-00111
57-87-4 Ergosterol, E-00105
57-88-5 ▷Cholesterol, C-00306
57-91-0 ▷Oestradiol; 17α-*form*, *in* O-00028
57-92-1 ▷Streptomycin, S-00161
57-95-4 ▷Tubocurarine(2+); (+)-*form*, *in* T-00571
57-96-5 ▷Sulphinpyrazone, S-00258
58-00-4 ▷Apomorphine; (*R*)-*form*, *in* A-00425
58-08-2 ▷Caffeine, C-00010
58-13-9 ▷Phencarbamide; B,HCl, *in* P-00150
58-14-0 ▷Pyrimethamine, P-00585
58-15-1 ▷Aminopyrine, A-00327
58-18-4 ▷17β-Hydroxy-17α-methyl-4-androsten-3-one, H-00154
58-19-5 ▷17-Hydroxy-2-methylandrostan-3-one; (2α,5α,17β)-*form*, *in* H-00153
58-20-8 ▷Testosterone cypionate, *in* H-00111
58-22-0 ▷17-Hydroxy-4-androsten-3-one; 17β-*form*, *in* H-00111
58-25-3 ▷Chlordiazepoxide, C-00200
58-27-5 ▷2-Methyl-1,4-naphthoquinone, M-00271
58-28-6 ▷Desipramine hydrochloride, JAN, *in* D-00095
58-32-2 ▷Dipyridamole, D-00530
58-33-3 ▷Promethazine hydrochloride, *in* P-00478
58-34-4 ▷Multergan, *in* T-00182
58-37-7 Proquamezine, P-00521
58-38-8 ▷Prochlorperazine, P-00450
58-39-9 ▷Perphenazine, P-00129
58-40-2 ▷Promazine, P-00475
58-46-8 ▷Tetrabenazine, T-00102
58-49-1 Angiotensins; 5-L-Valineangiotensin II, *in* A-00385
58-54-8 ▷Ethacrynic acid, E-00145
58-55-9 ▷Theophylline, T-00169
58-56-0 ▷Pyridoxine hydrochloride, *in* P-00582
58-58-2 ▷Puromycin hydrochloride, *in* P-00557
58-61-7 ▷Adenosine, A-00067
58-63-9 ▷Inosine, I-00073
58-71-9 ▷Cephalothin sodium, *in* C-00178
58-73-1 ▷Diphenhydramine, D-00484
58-74-2 ▷Papaverine, P-00019
58-82-2 ▷Bradykinins; Kallidin I, *in* B-00264
58-85-5 ▷Biotin; (+)-*form*, *in* B-00173
58-86-6 Xylose; D-*form*, *in* X-00024
58-89-9 ▷1,2,3,4,5,6-Hexachlorocyclohexane; γ-*form*, *in* H-00038
58-93-5 ▷Hydrochlorothiazide, H-00098
58-94-6 ▷Chlorothiazide, C-00288
58-95-7 ▷Alfacol, *in* T-00335

59-01-8 ▷Kanamycin *A*, K-00004
59-02-9 ▷α-Tocopherol; (2*R*,4′*R*,8′*R*)-*form*, *in* T-00335
59-05-2 ▷Methotrexate, M-00192
59-06-3 4-(Acetylamino)-2-ethoxybenzoic acid methyl ester, *in* A-00264
59-14-3 ▷5-Bromo-2′-deoxyuridine, B-00296
59-26-7 ▷*N*,*N*-Diethyl-3-pyridinecarboxamide, D-00254
59-30-3 ▷Pteroylglutamic acid, P-00554
59-32-5 ▷Halopyramine, H-00019
59-33-6 ▷Pyrilamine maleate, *in* M-00108
59-39-2 ▷Piperoxan, P-00294
59-40-5 ▷4-Amino-*N*-2-quinoxalinylbenzenesulfonamide, *in* A-00332
59-41-6 Bretylium(1+), B-00271
59-42-7 ▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272
59-43-8 ▷Thiamine monochloride, *in* T-00174
59-46-1 ▷Procaine, P-00447
59-47-2 ▷3-(2-Methylphenoxy)-1,2-propanediol, M-00283
59-50-7 ▷4-Chloro-3-methylphenol, C-00256
59-51-8 ▷Methionine; (±)-*form*, *in* M-00183
59-52-9 ▷2,3-Dimercapto-1-propanol, D-00385
59-58-5 ▷Thiamine propyl disulfide, T-00177
59-63-2 ▷Isocarboxazid, I-00181
59-66-5 ▷Acetazolamide, A-00018
59-67-6 ▷3-Pyridinecarboxylic acid, P-00571
59-87-0 ▷Nitrofurazone, *in* N-00177
59-92-7 ▷2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; (*S*)-*form*, *in* A-00248
59-96-1 ▷Phenoxybenzamine, P-00170
59-97-2 ▷Priscol, *in* B-00120
59-98-3 ▷2-Benzyl-2-imidazoline, B-00120
59-99-4 ▷Neostigmine(1+), N-00070
60-00-4 ▷Ethylenediaminetetraacetic acid, E-00186
60-02-6 ▷Guanethidine sulfate, *in* G-00102
60-12-8 ▷2-Phenylethanol, P-00187
60-13-9 ▷Amphetamine sulfate, *in* P-00202
60-15-1 ▷1-Phenyl-2-propylamine, P-00202
60-23-1 ▷2-Aminoethanethiol, A-00252
60-25-3 ▷Depressin, *in* H-00055
60-26-4 ▷Hexamethonium(2+), H-00055
60-29-7 ▷Diethyl ether, D-00246
60-30-0 Azamethonium(2+), A-00499
60-31-1 ▷Acetylcholine chloride, *in* A-00030
60-32-2 ▷6-Aminohexanoic acid, A-00259
60-33-3 ▷9,12-Octadecadienoic acid; (*Z*,*Z*)-*form*, *in* O-00007
60-40-2 ▷Mecamylamine, M-00041
60-41-3 ▷Strychnine; B_2,H_2SO_4, *in* S-00167
60-44-6 ▷Monodral bromide, *in* P-00095
60-45-7 ▷Fenimide, F-00053
60-46-8 ▷Aminopentamide, A-00296
60-49-1 Tridihexethyl(1+), T-00454
60-54-8 ▷Tetracycline, T-00109
60-56-0 ▷1,3-Dihydro-1-methyl-2*H*-imidazole-2-thione, D-00289
60-57-1 ▷Dieldrin, D-00222
60-79-7 ▷Ergometrine; (+)-*form*, *in* E-00104
60-80-0 ▷1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00284
60-87-7 ▷Promethazine, P-00478
60-89-9 ▷Pecazine, P-00048
60-91-3 ▷Diethazine, D-00227
60-92-4 ▷Cyclic AMP, C-00591
60-99-1 Methotrimeprazine; (−)-*form*, *in* M-00193
61-00-7 ▷Acepromazine, A-00015
61-01-8 ▷Methopromazine, M-00190
61-12-1 ▷Cinchocaine hydrochloride, *in* C-00357
61-16-5 ▷Methoxamine hydrochloride, *in* M-00194
61-24-5 ▷Cephalosporin *C*, C-00177
61-25-6 ▷Papaverine hydrochloride, *in* P-00019
61-32-5 Methicillin, M-00180
61-33-6 ▷Benzylpenicillin, B-00126
61-54-1 ▷Tryptamine, T-00566
61-56-3 ▷Sulthiame, S-00263
61-57-4 ▷Niridazole, N-00156
61-68-7 ▷Mefenamic acid, M-00062
61-72-3 Cloxacillin, C-00515
61-73-4 ▷Methylene Blue, *in* B-00208
61-74-5 Domoxin, D-00575
61-75-6 ▷Bretylium tosylate, *in* B-00271
61-76-7 ▷Phenylephrine hydrochloride, *in* A-00272
61-78-9 *N*-(4-Aminobenzoyl)glycine, A-00217
61-80-3 ▷2-Amino-5-chlorobenzoxazole, A-00225
61-90-5 ▷Leucine; (*S*)-*form*, *in* L-00029
61-94-9 ▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid; Me ester; B,HCl, *in* T-00126
61-96-1 Cobefrin, *in* A-00249
62-13-5 ▷Adrenalone; B,HCl, *in* A-00076
62-31-7 ▷Dopamine hydrochloride, *in* D-00579
62-32-8 ▷Epinine; B,HCl, *in* E-00081
62-33-9 ▷Sodium calcium edetate, *in* E-00186
62-37-3 ▷Chlormerodrin, C-00209
62-38-4 ▷[(Acetato-*O*)phenylmercury], *in* H-00191
62-44-2 ▷*N*-(4-Ethoxyphenyl)acetamide, *in* E-00161
62-46-4 ▷α-Lipoic acid, L-00053
62-49-7 ▷Choline, C-00308
62-67-9 ▷Nalorphine, N-00032
62-68-0 ▷Proadifen hydrochloride, *in* P-00442
62-73-7 ▷Dichlorvos, D-00207
62-90-8 ▷Nandrolone phenylpropionate, *in* H-00185
62-97-5 ▷Diphemanil methylsulfate, *in* D-00482
63-12-7 Benzquinamide, B-00102
63-25-2 ▷1-Naphthalenyl methylcarbamate, *in* M-00238
63-29-6 Glucurono-6,3-lactone, G-00059
63-45-6 ▷Primaquine phosphate, *in* P-00434
63-56-9 ▷Thonzylamine hydrochloride, *in* T-00218
63-68-3 ▷Methionine; (*S*)-*form*, *in* M-00183
63-74-1 ▷Sulfanilamide, *in* A-00213
63-75-2 ▷Arecoline, *in* T-00126
63-84-3 ▷2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; (±)-*form*, *in* A-00248
63-92-3 ▷Phenoxybenzamine hydrochloride, *in* P-00170
63-98-9 ▷(Phenylacetyl)urea, P-00176
64-02-8 ▷Edetate sodium, *in* E-00186
64-17-5 ▷Ethanol, E-00149
64-19-7 ▷Acetic acid, A-00021
64-20-0 ▷Tetramethylammonium(1+); Bromide, *in* T-00144
64-39-1 ▷Trimeperidine, T-00494
64-43-7 ▷Amobarbital sodium, *in* A-00352
64-47-1 ▷Physostigmine sulfate, *in* E-00122
64-55-1 ▷Mebutamate, M-00039
64-65-3 ▷4-Ethyl-4-methyl-2,6-piperidinedione, *in* E-00203
64-72-2 ▷Chlortetracycline hydrochloride, *in* A-00476
64-73-3 ▷Demeclocycline hydrochloride, *in* D-00064
64-75-5 ▷Tetracycline hydrochloride, *in* T-00109
64-77-7 ▷Tolbutamide, T-00345
64-85-7 ▷21-Hydroxy-4-pregnene-3,20-dione, H-00203
64-86-8 ▷Colchicine; (*S*)-*form*, *in* C-00534
64-95-9 ▷Adiphenine, A-00072
65-15-6 Azapetine; B,HCl, *in* A-00504
65-19-0 ▷Yohimbine hydrochloride, *in* Y-00002
65-23-6 ▷Pyridoxine, P-00582
65-28-1 ▷Phentolamine mesylate, *in* P-00175
65-29-2 ▷Gallamine triethiodide, *in* G-00004
65-45-2 ▷2-Hydroxybenzamide, *in* H-00112
65-64-5 ▷1-Phenylethylhydrazine, P-00188
65-82-7 ▷*N*-Acetylmethionine; (*S*)-*form*, *in* A-00036
65-85-0 ▷Benzoic acid, B-00092
65-86-1 ▷Orotic acid, O-00061
66-02-4 3,5-Diiodotyrosine, D-00365
66-05-7 ▷Cavodil, *in* M-00289
66-23-9 Acetylcholine(1+); Bromide, *in* A-00030
66-28-4 ▷3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide; (3β,5β,14β)-*form*, *in* T-00478
66-40-0 ▷Tetraethylammonium(1+), T-00111
66-75-1 ▷5-[Bis(2-chloroethyl)amino]-2,4(1*H*,3*H*)-pyrimidinedione, B-00197
66-76-2 ▷3,3′-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one), M-00251
66-79-5 ▷Oxacillin, O-00074
66-81-9 ▷4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione; (1*S*,3*S*,5*S*,α*R*)-*form*, *in* D-00441

66-84-2 ▷2-Amino-2-deoxyglucose; α-D-*Pyranose-form*, B,HCl, *in* A-00235
66-86-4 ▷Neomycin *C*, N-00069
67-03-8 ▷Bewon, *in* T-00174
67-16-3 Thiamine disulfide, T-00176
67-20-9 ▷Nitrofurantoin, N-00178
67-28-7 ▷Nihydrazone, N-00139
67-42-5 ▷3,12-Bis(carboxymethyl)-6,9-dioxa-3,12-diazatetradecanedioic acid, B-00196
67-43-6 ▷Pentetic acid, P-00094
67-45-8 ▷Furazolidone, F-00284
67-48-1 ▷Choline chloride, *in* C-00308
67-52-7 ▷2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione, P-00586
67-63-0 ▷2-Propanol, P-00491
67-66-3 ▷Chloroform, C-00241
67-68-5 ▷Dimethyl sulfoxide, D-00454
67-72-1 ▷Hexachloroethane, H-00040
67-73-2 ▷Fluocinolone acetonide, *in* F-00172
67-78-7 ▷Triamcinolone diacetate, *in* T-00419
67-81-2 Penmesterol, P-00072
67-92-5 ▷Dicyclomine hydrochloride, *in* D-00218
67-95-8 Quingestrone, Q-00025
67-96-9 ▷Dihydrotachysterol, D-00304
67-97-0 ▷Vitamin D_3, V-00062
67-99-2 ▷Gliotoxin, G-00041
68-19-9 ▷Vitamin B_{12}, V-00059
68-22-4 ▷Norethisterone, N-00212
68-23-5 ▷Norethynodrel, N-00213
68-26-8 ▷Vitamin A_1, V-00058
68-34-8 4-Methylbenzenesulfonic acid; Anilide, *in* M-00228
68-35-9 ▷Sulphadiazine, S-00237
68-36-0 ▷Hexachlorxylol, H-00041
68-39-3 ▷4-Amino-3-isoxazolidinone; (±)-*form*, *in* A-00277
68-41-7 ▷4-Amino-3-isoxazolidinone; (*R*)-*form*, *in* A-00277
68-76-8 ▷Tris(1-aziridinyl)-1,4-benzoquinone, T-00533
68-88-2 ▷Hydroxyzine, H-00222
68-89-3 ▷Metamizole sodium, *in* D-00532
68-90-6 ▷Benziodarone, B-00085
68-91-7 ▷Trimetaphan camsylate, *in* T-00498
68-96-2 ▷17-Hydroxy-4-pregnene-3,20-dione, H-00202
69-05-6 ▷Quinacrine hydrochloride, *in* Q-00010
69-09-0 ▷Chlorpromazine hydrochloride, *in* C-00298
69-14-7 3,4-Bis(4-hydroxyphenyl)hexane; (3*RS*,4*RS*)-*form*, Bis(2-diethylaminoethyl)ether, B,2HCl, *in* B-00220
69-23-8 ▷Fluphenazine, F-00202
69-24-9 Cinchonicine, *in* Q-00026
69-25-0 ▷Eledoisin, E-00024
69-27-2 ▷Chlorisondamine chloride, *in* C-00207
69-43-2 ▷Agozol, *in* P-00423
69-44-3 ▷Amodiaquine hydrochloride, *in* A-00353
69-52-3 ▷Ampicillin sodium, *in* A-00369
69-53-4 ▷Ampicillin, A-00369
69-57-8 ▷Benzylpenicillin; Na salt, *in* B-00126
69-65-8 ▷Mannitol; D-*form*, *in* M-00018
69-72-7 ▷2-Hydroxybenzoic acid, H-00112
69-74-9 ▷Cytarabine hydrochloride, *in* C-00667
69-81-8 Carbazochrome, *in* A-00077
69-89-6 ▷Xanthine, X-00002
69-91-0 2-Amino-2-phenylacetic acid, A-00300
70-00-8 ▷2′-Deoxy-5-(trifluoromethyl)uridine, D-00084
70-07-5 ▷Mephenoxalone, M-00095
70-10-0 ▷6-Chloro-1,2-benzisothiazol-3(2*H*)-one, C-00216
70-19-9 Thurfyl nicotinate, T-00222
70-22-4 ▷Oxotremorine, O-00141
70-26-8 Ornithine, O-00059
70-30-4 ▷2,2′,3,3′,5,5′-Hexachloro-6,6′-dihydroxydiphenylmethane, H-00039
70-49-5 ▷Mercaptobutanedioic acid, M-00115
70-51-9 ▷Deferoxamine, D-00044
70-55-3 ▷4-Methylbenzenesulfonic acid; Amide, *in* M-00228
70-70-2 ▷1-(4-Hydroxyphenyl)-1-propanone, H-00193
70-78-0 2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, A-00276
71-27-2 ▷Suxamethonium chloride, *in* S-00280
71-58-9 ▷Medroxyprogesterone acetate, *in* H-00175
71-63-6 ▷Digitoxin, *in* D-00275
71-67-0 ▷Bromsulfan, *in* S-00218
71-68-1 ▷Hydromorphone hydrochloride, *in* H-00102
71-73-8 ▷Thiopental sodium, *in* T-00206
71-78-3 ▷Meratran, *in* D-00504
71-79-4 ▷2-(Dimethylamino)ethyl benzilate; B,HCl, *in* D-00410
71-81-8 ▷Isopropamide iodide, *in* I-00199
71-82-9 ▷Levallorphan tartrate, *in* L-00038
71-91-0 ▷Tetrylammonium bromide, *in* T-00111
72-14-0 ▷Sulphathiazole, S-00256
72-20-8 ▷Endrin, E-00051
72-23-1 21-Hydroxy-4-pregnene-3,11,20-trione, H-00204
72-33-3 ▷Mestranol, M-00138
72-40-2 5-Amino-1*H*-imidazole-4-carboxylic acid; Amide; B,HCl, *in* A-00275
72-44-6 ▷Methaqualone, M-00172
72-63-9 ▷Methandienone, M-00167
72-69-5 ▷Nortriptyline, N-00224
72-80-0 ▷5,7-Dichloro-8-hydroxy-2-methylquinoline, D-00189
73-03-0 ▷Cordycepin, C-00543
73-05-2 Phentolamine; B,HCl, *in* P-00175
73-07-4 Prazepine, P-00405
73-22-3 ▷Tryptophan; (*S*)-*form*, *in* T-00567
73-48-3 ▷Bendrofluazide, B-00047
73-49-4 Quinethazone, Q-00021
73-67-6 4-Amino-5-(hydroxymethyl)-2-methylpyrimidine, A-00267
73-78-9 ▷Lidocaine hydrochloride, *in* L-00047
74-55-5 ▷2,2′-(1,2-Ethanediyldiimino)bis(1-butanol); (*S*,*S*)-*form*, *in* E-00148
74-79-3 Arginine; (*S*)-*form*, *in* A-00441
75-00-3 ▷Chloroethane, C-00236
75-15-0 ▷Carbon disulfide, C-00058
75-17-2 Formaldoxime, *in* F-00244
75-19-4 ▷Cyclopropane, C-00635
75-36-5 ▷Acetyl chloride, *in* A-00021
75-47-8 ▷Triiodomethane, T-00486
75-58-1 ▷Tetrammonium iodide, *in* T-00144
75-60-5 ▷Dimethylarsinic acid, D-00424
75-80-9 ▷2,2,2-Tribromoethanol, T-00428
76-07-3 Diiodomethanesulfonic acid, D-00359
76-14-2 ▷1,2-Dichloro-1,1,2,2-tetrafluoroethane, D-00202
76-20-0 ▷2,2-Bis(ethylsulfonyl)butane, B-00211
76-22-2 ▷Camphor, C-00023
76-23-3 ▷5-Ethyl-5-(1-ethylbutyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00188
76-28-8 ▷3,11,14-Trihydroxy-20(22)-cardenolide; (3β,5β,11α,14β)-*form*, *in* T-00473
76-38-0 ▷2,2-Dichloro-1,1-difluoro-1-methoxyethane, D-00183
76-41-5 Oxymorphone, O-00155
76-42-6 ▷4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one, *in* O-00155
76-43-7 ▷Fluoxymesterone, F-00195
76-45-9 ▷Protoverine, P-00543
76-47-1 Hydrocortamate, *in* C-00548
76-57-3 ▷Codeine, C-00525
76-58-4 ▷Ethylmorphine, *in* M-00449
76-65-3 ▷Amolanone, A-00355
76-68-6 ▷5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, C-00629
76-73-3 ▷Quinalbarbitone, Q-00011
76-74-4 ▷Pentobarbitone, P-00101
76-75-5 ▷Thiopental, T-00206
76-76-6 ▷Probarbital, P-00443
76-90-4 ▷Mepenzolate bromide, *in* M-00094
76-91-5 Topicaine, T-00381
76-99-3 ▷Methadone, M-00163
77-01-0 ▷Fenpipramide, F-00070
77-02-1 ▷Aprobarbital, A-00430
77-04-3 ▷3,3-Diethyl-2,4(1*H*,3*H*)-pyridinedione, D-00255
77-07-6 ▷3-Hydroxy-*N*-methylmorphinan; (−)-*form*, *in* H-00166
77-09-8 ▷Phenolphthalein, P-00162
77-10-1 ▷1-(1-Phenylcyclohexyl)piperidine, P-00183
77-12-3 Pentacynium chloride, *in* P-00076
77-14-5 Proheptazine, P-00469
77-15-6 ▷Ethoheptazine, E-00157

77-19-0 Dicyclomine, D-00218
77-21-4 ▷Glutethimide, G-00061
77-22-5 ▷Caramiphen, C-00037
77-23-6 Carbetapentane, C-00046
77-26-9 ▷Butalbital, B-00386
77-27-0 Thiamylal, T-00180
77-28-1 ▷5-Butyl-5-ethylbarbituric acid, B-00430
77-36-1 ▷Chlorthalidone, C-00302
77-37-2 ▷Procyclidine, P-00455
77-38-3 ▷Chlorphenoxamine, C-00294
77-39-4 Cycrimine, C-00641
77-41-8 ▷1,3-Dimethyl-3-phenyl-2,5-pyrrolidinedione, D-00447
77-46-3 ▷Bis(4-acetamidophenyl)sulfone, *in* D-00129
77-50-9 ▷Propoxyphene, P-00512
77-51-0 Isoaminile, I-00177
77-59-8 Tomatidine, T-00374
77-65-6 ▷*N*-(2-Bromo-2-ethylbutanoyl)urea, B-00300
77-66-7 ▷Acecarbromal, A-00007
77-67-8 ▷3-Ethyl-3-methyl-2,5-pyrrolidinedione, E-00207
77-75-8 ▷3-Methyl-1-pentyn-3-ol, M-00281
77-86-1 ▷2-Amino-2-hydroxymethyl-1,3-propanediol, A-00268
77-89-4 ▷Citric acid; Tri-Et ester, Ac, *in* C-00402
77-91-8 Choline; Dihydrogen citrate, *in* C-00308
77-92-9 ▷Citric acid, C-00402
77-93-0 ▷Citric acid; Tri-Et ester, *in* C-00402
77-98-5 ▷Tetraethylammonium(1+); Hydroxide, *in* T-00111
77-99-6 ▷2-Ethyl-2-hydroxymethyl-1,3-propanediol, E-00194
78-05-7 Octaphonium chloride, *in* O-00015
78-11-5 ▷Pentaerythritol tetranitrate, P-00078
78-12-6 ▷Petrichloral, P-00132
78-27-3 ▷1-Ethynylcyclohexanol, E-00228
78-28-4 ▷Emylcamate, E-00042
78-34-2 ▷Dioxathion, D-00475
78-41-1 ▷Triparanol, T-00523
78-44-4 ▷Carisoprodol, C-00078
78-96-6 ▷1-Amino-2-propanol, A-00318
78-97-7 ▷Lactonitrile, *in* H-00207
78-98-8 ▷Pyruvaldehyde, P-00600
79-01-6 ▷Trichloroethylene, T-00436
79-07-2 ▷Chloroacetamide, C-00212
79-33-4 2-Hydroxypropanoic acid; (*S*)-*form*, *in* H-00207
79-55-0 ▷1,2,2,6,6-Pentamethylpiperidine, P-00085
79-57-2 ▷Oxytetracycline, O-00166
79-61-8 Dichlorisone acetate, *in* D-00177
79-64-1 ▷Dimethisterone, D-00393
79-80-1 Vitamin A_2, *in* V-00058
79-81-2 ▷Retinol palmitate, *in* V-00058
79-83-4 ▷Pantothenic acid; (*R*)-*form*, *in* P-00016
79-90-3 ▷Triclobisonium chloride, *in* T-00448
79-93-6 ▷Phenaglycodol, P-00139
80-03-5 Acediasulfone, A-00008
80-08-0 ▷4,4′-Diaminodiphenyl sulfone, D-00129
80-13-7 ▷4-[(Dichloroamino)sulfonyl]benzoic acid, D-00179
80-16-0 *N*-Chlorobenzenesulfonamide, *in* B-00075
80-18-2 Benzenesulfonic acid; Me ester, *in* B-00075
80-32-0 Sulphachlorpyridazine, S-00236
80-34-2 Glyprothiazol, G-00078
80-35-3 ▷Sulphamethoxypyridazine, S-00246
80-40-0 ▷4-Methylbenzenesulfonic acid; Et ester, *in* M-00228
80-48-8 ▷4-Methylbenzenesulfonic acid; Me ester, *in* M-00228
80-49-9 ▷Mesopin, *in* H-00082
80-50-2 ▷Octatropine methylbromide, O-00018
80-53-5 4-Hydroxy-α,α,4-trimethylcyclohexanemethanol, H-00216
80-74-0 Sulfisoxazole acetyl, S-00216
80-77-3 ▷Chlormezanone, C-00210
80-96-6 21-Hydroxy-3,20-pregnanedione; 5β-*form*, 21-(3-Carboxypropanoyl), *in* H-00201
80-97-7 3-Cholestanol; (3β,5α)-*form*, *in* C-00305
81-07-2 ▷Saccharin, S-00002
81-13-0 ▷Panthenol; (*R*)-*form*, *in* P-00015
81-23-2 ▷Dehydrocholic acid, D-00049
81-24-3 ▷Taurocholic acid, T-00031
81-25-4 ▷3,7,12-Trihydroxy-24-cholanoic acid; (3α,5β,7α,12α)-*form*, *in* T-00475
81-27-6 Sennoside *A*, *in* S-00042
81-81-2 ▷Warfarin, W-00001
82-02-0 ▷Khellin, K-00022
82-54-2 Cotarnine, C-00552
82-66-6 ▷Diphenadione, D-00483
82-88-2 Phenindamine, P-00156
82-92-8 ▷Cyclizine, C-00595
82-93-9 ▷Chlorcyclizine, C-00198
82-95-1 ▷Buclizine, B-00339
82-98-4 ▷Piperidolate, P-00290
82-99-5 Thiphenamil, T-00215
83-07-8 ▷4-Amino-1,2-dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, A-00244
83-12-5 ▷2-Phenyl-1,3-indanedione, P-00192
83-40-9 ▷2-Hydroxy-3-methylbenzoic acid, H-00155
83-43-2 ▷Methylprednisolone, M-00297
83-44-3 ▷3,12-Dihydroxy-24-cholanoic acid; (3α,5β,12α)-*form*, *in* D-00321
83-46-5 ▷5-Stigmasten-3-ol; (3β,24*R*)-*form*, *in* S-00151
83-47-6 5-Stigmasten-3-ol; (3β,24*S*)-*form*, *in* S-00151
83-60-3 Reserpic acid, R-00028
83-63-6 ▷Diacetazotol, D-00117
83-67-0 ▷Theobromine, T-00166
83-70-5 ▷4-Amino-2-methyl-1-naphthol, A-00285
83-72-7 ▷2-Hydroxy-1,4-naphthoquinone, H-00178
83-73-8 ▷5,7-Diiodo-8-quinolinol, D-00364
83-74-9 Ibogaine, I-00004
83-75-0 Quinine ethylcarbonate, *in* Q-00028
83-85-2 Fuscin, F-00302
83-86-3 ▷Phytic acid, *in* I-00074
83-88-5 ▷Riboflavine, R-00038
83-89-6 ▷Quinacrine, Q-00010
83-98-7 ▷Orphenadrine, O-00064
84-01-5 ▷Chlorproethazine, C-00296
84-02-6 ▷Campazine, *in* P-00450
84-04-8 ▷Pipamazine, P-00273
84-06-0 ▷Perphenazine acetate, *in* P-00129
84-08-2 ▷10-[2-(1-Pyrrolidinyl)ethyl]-10*H*-phenothiazine, P-00597
84-12-8 ▷4,7-Phenanthroline-5,6-dione, P-00144
84-13-9 Methestrol dipropionate, *in* P-00479
84-16-2 ▷3,4-Bis(4-hydroxyphenyl)hexane; (3*RS*,4*SR*)-*form*, *in* B-00220
84-17-3 ▷Dienestrol, D-00223
84-19-5 ▷Faragynol, *in* D-00223
84-22-0 ▷Tetrahydrozoline, T-00140
84-26-4 Rutaecarpine, R-00105
84-34-4 Rescinnamine, *in* R-00028
84-36-6 ▷Syrosingopine, S-00287
84-55-9 Quinicine, Q-00026
84-79-7 ▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone, H-00157
84-80-0 ▷Vitamin K_1, V-00064
84-81-1 Vitamin K_2; Vitamin K_2(30), *in* V-00065
84-96-8 ▷Trimeprazine, T-00495
84-97-9 ▷Perazine, P-00116
84-98-0 1,4-Dihydroxy-2-methylnaphthalene; Bis(dihydrogen phosphate), *in* D-00333
85-10-9 ▷Methylchloroquine, M-00240
85-16-5 ▷Diprotrizoic acid, *in* D-00138
85-36-9 ▷Acetrizoic acid, *in* A-00340
85-61-0 Coenzyme *A*, C-00528
85-73-4 ▷Phthalylsulfathiazole, P-00227
85-79-0 ▷Cinchocaine, C-00357
85-87-0 Pyridoxamine, P-00580
85-90-5 3-Methyl-4*H*-1-benzopyran-4-one, M-00231
85-95-0 Benzestrol, B-00077
86-12-4 ▷Thenalidine, T-00163
86-13-5 ▷Benztropine, B-00104
86-14-6 ▷Diethylthiambutene, D-00258
86-21-5 ▷Pheniramine, P-00157
86-22-6 Brompheniramine, B-00325
86-29-3 ▷Diphenylacetonitrile, *in* D-00488
86-34-0 ▷1-Methyl-3-phenyl-2,5-pyrrolidinedione, M-00294
86-35-1 ▷3-Ethyl-5-phenyl-2,4-imidazolidinedione, E-00214
86-36-2 Mercumallylic acid, M-00123

86-42-0 Amodiaquine, A-00353
86-43-1 ▷Propoxycaine, P-00511
86-54-4 ▷1-Hydrazinophthalazine, H-00096
86-75-9 ▷Benzoxiquine, *in* H-00211
86-78-2 Pentaquine, P-00092
86-80-6 Dimethisoquin, D-00392
86-86-2 ▷(1-Naphthyl)acetic acid; Amide, *in* N-00044
86-87-3 ▷(1-Naphthyl)acetic acid, N-00044
87-00-3 ▷Homatropine, H-00082
87-08-1 ▷Phenoxymethylpenicillin, P-00171
87-09-2 ▷Almecillin, A-00137
87-10-5 ▷Tribromsalan, T-00429
87-12-7 ▷5-Bromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, B-00292
87-17-2 2-Hydroxy-*N*-phenylbenzamide, *in* H-00112
87-25-2 ▷2-Aminobenzoic acid; Et ester, *in* A-00215
87-28-5 Glycol salicylate, *in* H-00112
87-33-2 ▷Isosorbide dinitrate, *in* D-00144
87-48-9 ▷5-Bromo-1*H*-indole-2,3-dione, B-00305
87-69-4 ▷Tartaric acid; (2*R*,3*R*)-*form*, *in* T-00028
87-76-3 TCAP, *in* H-00044
87-78-5 Mannitol, M-00018
87-89-8 *myo*-Inositol, I-00074
87-90-1 ▷1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, T-00442
87-91-2 Diethyl tartrate, *in* T-00028
88-04-0 ▷4-Chloro-3,5-dimethylphenol, C-00235
88-11-9 Diethyldithiocarbamic acid; Chloride, *in* D-00244
88-46-0 2,5-Dihydroxybenzenesulfonic acid, D-00313
88-68-6 2-Aminobenzamide, *in* A-00215
89-31-6 1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methyl-isoquinoline; (*S*)-*form*, *in* T-00117
89-38-3 Pteroyltriglutamic acid, P-00555
89-50-9 2-Aminobenzoic acid; *N*-Et, *in* A-00215
89-57-6 ▷5-Amino-2-hydroxybenzoic acid, A-00266
90-01-7 ▷2-Hydroxybenzyl alcohol, H-00116
90-03-9 ▷Chloro(2-hydroxyphenyl)mercury, C-00247
90-22-2 ▷Valethamate bromide, *in* V-00003
90-23-3 Piperphenidol, P-00295
90-33-5 ▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
90-34-6 ▷Primaquine, P-00434
90-39-1 ▷Sparteine; (−)-*form*, *in* S-00110
90-45-9 ▷9-Aminoacridine, A-00205
90-49-3 ▷Pheneturide, P-00153
90-54-0 Etafenone, E-00134
90-69-7 ▷Lobeline; (−)-*form*, *in* L-00064
90-81-3 2-Methylamino-1-phenyl-1-propanol; (1*RS*,2*SR*)-*form*, *in* M-00221
90-82-4 ▷2-Methylamino-1-phenyl-1-propanol; (1*S*,2*S*)-*form*, *in* M-00221
90-84-6 ▷2-(Diethylamino)-1-phenyl-1-propanone, D-00240
90-86-8 Cinnamedrine, C-00371
90-89-1 *N*,*N*-Diethyl-4-methyl-1-piperazinecarboxamide, D-00248
91-21-4 ▷1,2,3,4-Tetrahydroisoquinoline, T-00120
91-33-8 ▷Benzthiazide, B-00103
91-75-8 ▷Antazoline, A-00400
91-79-2 ▷Thenyldiamine, T-00165
91-80-5 ▷Methapyrilene, M-00171
91-81-6 ▷Tripelennamine, T-00524
91-82-7 Pyrrobutamine, P-00594
91-84-9 ▷Mepyramine, M-00108
91-85-0 ▷Thonzylamine, T-00218
92-12-6 ▷Phenyltoloxamine, P-00210
92-13-7 ▷Pilocarpine; (+)-*form*, *in* P-00252
92-23-9 ▷Leucinocaine, L-00030
92-31-9 ▷Tolonium chloride, *in* T-00359
92-61-5 ▷7-Hydroxy-6-methoxy-2*H*-1-benzopyran-2-one, H-00148
92-62-6 ▷3,6-Diaminoacridine, D-00120
92-84-2 ▷Phenothiazine, P-00167
92-97-7 Thiocarbanidin, T-00197
93-14-1 ▷Guaiphenesin, G-00095
93-15-2 ▷1,2-Dimethoxy-4-(2-propenyl)benzene, *in* M-00215
93-23-2 ▷Laurylisoquinolinium bromide, *in* I-00210
93-28-7 ▷Aceteugenol, *in* M-00215
93-30-1 Methoxyphenamine, M-00211
93-35-6 ▷7-Hydroxy-2*H*-1-benzopyran-2-one, H-00114
93-39-0 Skimmin, *in* H-00114
93-47-0 Verazide, V-00020
93-58-3 ▷Methyl benzoate, *in* B-00092
93-60-7 ▷3-Pyridinecarboxylic acid; Me ester, *in* P-00571
93-88-9 ▷*N*,β-Dimethylbenzeneethanamine, *in* P-00203
93-89-0 ▷Ethyl benzoate, *in* B-00092
93-97-0 ▷Benzoic anhydride, *in* B-00092
93-99-2 ▷Phenyl benzoate, *in* P-00161
94-01-9 ▷1,3-Benzenediol; Dibenzoyl, *in* B-00073
94-07-5 ▷Synephrine, S-00286
94-09-7 ▷Benzocaine, *in* A-00216
94-10-0 ▷2,4-Diamino-4′-ethoxyazobenzene, D-00131
94-12-2 ▷Risocaine, *in* A-00216
94-13-3 ▷Propyl 4-hydroxybenzoate, *in* H-00113
94-14-4 ▷Isobutoform, *in* A-00216
94-15-5 ▷Dimethocaine, D-00394
94-19-9 Sulphaethidole, S-00239
94-20-2 ▷Chlorpropamide, C-00299
94-23-5 Parethoxycaine, P-00034
94-24-6 ▷Tetracaine, T-00104
94-25-7 ▷Butamben, *in* A-00216
94-26-8 ▷Butyl 4-hydroxybenzoate, *in* H-00113
94-27-9 Bamethan; (±)-*form*, *in* B-00010
94-35-9 ▷Styramate, S-00169
94-36-0 ▷Dibenzoyl peroxide, D-00161
94-47-3 ▷2-Phenylethanol; Benzoyl, *in* P-00187
94-59-7 ▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131
94-63-3 ▷Pralidoxime iodide, *in* P-00395
94-78-0 ▷2,6-Diamino-3-phenylazopyridine, D-00133
95-04-5 ▷Ectylurea; (*Z*)-*form*, *in* E-00011
95-05-6 ▷Monosulfiram, M-00430
95-25-0 ▷5-Chloro-2(3*H*)-benzoxazolone, C-00218
95-27-2 Diamthazole, D-00143
95-95-4 ▷2,4,5-Trichlorophenol, T-00441
96-24-2 ▷3-Chloro-1,2-propanediol, C-00278
96-50-4 ▷2-Aminothiazole, A-00336
96-62-8 Dinsed, D-00469
96-83-3 ▷Iopanoic acid, I-00125
96-84-4 ▷Iophenoxic acid, I-00128
96-88-8 ▷Mepivacaine, M-00101
97-05-2 ▷2-Hydroxy-5-sulfobenzoic acid, H-00214
97-17-6 ▷Dichlofenthion, D-00176
97-18-7 ▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204
97-23-4 ▷Dichlorophen, D-00198
97-24-5 ▷2,2′-Thiobis(4-chlorophenol), T-00194
97-27-8 ▷Chlorbetamide, C-00197
97-44-9 ▷Acetarsol, *in* A-00271
97-53-0 ▷2-Methoxy-4-(2-propenyl)phenol, M-00215
97-56-3 ▷4-Amino-2′,3-dimethylazobenzene, A-00251
97-57-4 Tolpronine, T-00366
97-59-6 Allantoin, A-00123
97-77-8 ▷Disulfiram, D-00542
98-09-9 ▷Benzenesulfonic acid; Chloride, *in* B-00075
98-10-2 ▷Benzenesulfonic acid; Amide, *in* B-00075
98-14-6 ▷4-Hydroxyphenylarsonic acid, H-00190
98-50-0 ▷4-Aminophenylarsonic acid, A-00302
98-59-9 Tosyl chloride, *in* M-00228
98-72-6 ▷4-Nitrophenylarsonic acid, N-00184
98-75-9 Propazolamide, P-00493
98-76-0 4′-Stibinoacetanilide, *in* A-00212
98-79-3 5-Oxo-2-pyrrolidinecarboxylic acid; (*S*)-*form*, *in* O-00140
98-88-4 ▷Benzoyl chloride, *in* B-00092
98-91-9 ▷Thiobenzoic acid, T-00193
98-92-0 ▷3-Pyridinecarboxamide, P-00570
98-96-4 ▷Pyrazinecarboxamide, *in* P-00560
98-97-5 Pyrazinecarboxylic acid, P-00560
99-04-7 ▷3-Methylbenzoic acid, M-00230
99-07-0 3-Hydroxydimethylaniline, *in* A-00297
99-15-0 Acetylleucine, *in* L-00029
99-26-3 2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, D-00314
99-30-9 ▷2,6-Dichloro-4-nitroaniline, D-00196

99-33-2 ▷3,5-Dinitrobenzoic acid; Chloride, *in* D-00468
99-34-3 3,5-Dinitrobenzoic acid, D-00468
99-36-5 3-Methylbenzoic acid; Me ester, *in* M-00230
99-38-7 2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol; (1*RS*,2*SR*)-*form*, *in* A-00249
99-43-4 Oxybuprocaine, O-00146
99-45-6 ▷Adrenalone, A-00076
99-60-5 ▷2-Chloro-4-nitrobenzoic acid, C-00258
99-66-1 ▷2-Propylpentanoic acid, P-00516
99-76-3 ▷Methyl 4-hydroxybenzoate, *in* H-00113
99-79-6 ▷Iophendylate, I-00127
99-96-7 ▷4-Hydroxybenzoic acid, H-00113
100-33-4 ▷Pentamidine, P-00086
100-37-8 ▷2-Diethylaminoethanol, *in* A-00253
100-55-0 ▷3-Pyridinemethanol, P-00573
100-56-1 ▷Chlorophenylmercury, C-00265
100-57-2 ▷Hydroxyphenylmercury, H-00191
100-88-9 ▷Cyclohexylsulfamic acid, C-00623
100-91-4 Eucatropine, E-00267
100-92-5 ▷Mephentermine, *in* P-00193
100-95-8 ▷Metalkonium chloride, *in* M-00147
100-97-0 ▷Hexamethylenetetramine, H-00057
101-08-6 Diperodon, D-00481
101-20-2 ▷*N*-(4-Chlorophenyl)-*N'*-(3,4-dichlorophenyl)urea, C-00262
101-26-8 ▷Pyridostigmine bromide, *in* P-00578
101-29-1 3,5-Diiodo-4-pyridone-1-acetic acid, D-00363
101-31-5 ▷Tropine tropate; (*S*)-*form*, *in* T-00554
101-40-6 ▷*N*-Methyl-2-cyclohexyl-2-propylamine, M-00242
101-47-3 *N*-Benzyl-*N*,α-dimethylphenethylamine, B-00115
101-53-1 ▷4-Benzylphenol, B-00127
101-71-3 Diphenan, *in* B-00127
101-93-9 ▷Phenacaine, P-00135
102-05-6 *N*-Methyldibenzylamine, M-00244
102-29-4 ▷3-Acetoxyphenol, *in* B-00073
102-45-4 ▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
102-60-3 ▷Edetol, E-00012
102-65-8 Sulfaclozine sodium, *in* S-00190
102-71-6 ▷Tris(2-hydroxyethyl)amine, T-00536
102-76-1 ▷Glycerol triacetate, G-00065
102-98-7 [[Orthoborato(1−)-*O*]phenyl]mercury, *in* H-00191
103-03-7 ▷1-Phenylsemicarbazide, P-00207
103-12-8 Prontosil, P-00484
103-16-2 ▷4-(Benzyloxy)phenol, B-00124
103-20-8 7-Ethyl-2-methyl-4-undecanol, E-00209
103-86-6 4-(2-Aminopropyl)phenol, A-00322
103-90-2 ▷4-Hydroxyacetanilide, *in* A-00298
104-06-3 ▷Thiacetazone, *in* A-00210
104-14-3 ▷Octopamine, O-00022
104-15-4 ▷4-Methylbenzenesulfonic acid, M-00228
104-22-3 Benzylsulfamide, B-00129
104-28-9 Cinoxate, C-00378
104-29-0 ▷3-(4-Chlorophenoxy)-1,2-propanediol, C-00261
104-31-4 ▷Benzonatate, B-00094
104-32-5 Propamidine, P-00487
104-94-9 ▷4-Methoxyaniline, M-00195
105-20-4 3-(2-Aminoethyl)pyrazole, A-00256
105-23-7 2-Amino-1-cyclopentylpropane, A-00232
105-35-1 Chloroacetamide; *N*-Et, *in* C-00212
105-57-7 ▷1,1-Diethoxyethane, D-00228
106-48-9 ▷4-Chlorophenol, C-00260
106-58-1 ▷1,4-Dimethylpiperazine, *in* P-00285
107-35-7 ▷Taurine, T-00030
107-43-7 ▷Betaine, B-00140
107-49-3 ▷Tetraethyl pyrophosphate, T-00112
107-68-6 Taurine; *N*-Me, *in* T-00030
107-69-7 ▷Trichloroethanol carbamate, *in* T-00434
107-94-8 ▷3-Chloropropanoic acid, C-00279
108-01-0 ▷2-Dimethylaminoethanol, D-00408
108-02-1 ▷2-(Dimethylamino)ethanethiol, *in* A-00252
108-16-7 ▷1-Dimethylamino-2-propanol, D-00419
108-46-3 ▷1,3-Benzenediol, B-00073
108-58-7 ▷1,3-Benzenediol; Di-Ac, *in* B-00073
108-73-6 ▷1,3,5-Benzenetriol, B-00076
108-80-5 ▷1,3,5-Triazine-2,4,6-triol, T-00423
108-95-2 ▷Phenol, P-00161
109-00-2 3-Hydroxypyridine, H-00209
109-01-3 ▷1-Methylpiperazine, *in* P-00285
109-56-8 ▷2-Isopropylaminoethanol, *in* A-00253
109-57-9 ▷2-Propenylthiourea, P-00496
109-83-1 ▷2-(Methylamino)ethanol, *in* A-00253
109-92-2 ▷Ethyl vinyl ether, E-00225
109-93-3 ▷Divinyl ether, D-00555
110-17-8 ▷Fumaric acid, F-00274
110-46-3 ▷3-Methyl-1-butyl nitrite, M-00237
110-73-6 ▷2-Ethylaminoethanol, *in* A-00253
110-85-0 ▷Piperazine, P-00285
111-00-2 Suxethonium bromide, *in* S-00282
111-11-5 Octanoic acid; Me ester, *in* O-00014
111-18-2 *N*,*N*,*N'*,*N'*-Tetramethyl-1,6-hexanediamine, T-00148
111-23-9 1,1-Decamethylenediguanidine, D-00037
111-30-8 ▷Pentanedial, P-00090
111-40-0 ▷Diethylenetriamine, D-00245
111-48-8 ▷2,2'-Thiobisethanol, T-00195
111-62-6 9-Octadecenoic acid; (*Z*)-*form*, Et ester, *in* O-00010
111-64-8 Octanoic acid; Chloride, *in* O-00014
111-81-9 10-Undecenoic acid; Me ester, *in* U-00008
112-24-3 ▷Triethylenetetramine, T-00457
112-38-9 ▷10-Undecenoic acid, U-00008
112-62-9 ▷9-Octadecenoic acid; (*Z*)-*form*, Me ester, *in* O-00010
112-63-0 9,12-Octadecadienoic acid; (*Z*,*Z*)-*form*, Me ester, *in* O-00007
112-79-8 ▷9-Octadecenoic acid; (*E*)-*form*, *in* O-00010
112-80-1 ▷9-Octadecenoic acid; (*Z*)-*form*, *in* O-00010
112-90-3 ▷9-Octadecenylamine; (*Z*)-*form*, *in* O-00011
113-15-5 ▷Ergotamine, E-00106
113-18-8 ▷Ethchlorvynol, E-00151
113-38-2 ▷Estradiol dipropionate, *in* O-00028
113-42-8 ▷Methylergometrine, M-00254
113-45-1 ▷Methylphenidate, *in* R-00065
113-50-8 Meralluride, M-00112
113-52-0 ▷Imipramine hydrochloride, *in* I-00040
113-53-1 ▷Dothiepin, D-00588
113-59-7 ▷Chlorprothixene, C-00300
113-73-5 ▷Gramicidin *S*, G-00083
113-78-0 Deaminooxytocin, D-00030
113-79-1 Vasopressins; *8-L-Arginine vasopressin*, *in* V-00013
113-80-4 ▷Vasopressins; *Ile*^{3}*-Arginine vasopressin*, *in* V-00013
113-92-8 ▷Chlorpheniramine maleate, *in* C-00292
113-98-4 ▷Benzylpenicillin; K salt, *in* B-00126
114-03-4 ▷5-Hydroxytryptophan; (±)-*form*, *in* H-00219
114-07-8 ▷Erythromycin, E-00115
114-43-2 ▷Desaspidin, D-00091
114-49-8 ▷Scopolamine hydrobromide, *in* S-00031
114-80-7 ▷Neostigmine bromide, *in* N-00070
114-85-2 ▷Bethanidine sulfate, *in* B-00114
114-86-3 ▷Phenformin, P-00154
114-90-9 ▷Obidoxime chloride, *in* O-00001
114-91-0 ▷2-(2-Methoxyethyl)pyridine, M-00199
115-02-6 ▷Azaserine; (*S*)-*form*, *in* A-00509
115-20-8 ▷2,2,2-Trichloroethanol, T-00434
115-24-2 ▷2,2-Bis(ethylsulfonyl)propane, B-00212
115-33-3 Oxyphenisatin acetate, *in* O-00160
115-37-7 ▷Thebaine, T-00162
115-38-8 ▷5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00206
115-44-6 ▷Talbutal, T-00007
115-46-8 α,α-Diphenyl-4-piperidinemethanol, D-00506
115-51-5 ▷Ambutonium bromide, *in* A-00175
115-53-7 ▷Sinomenine, S-00079
115-55-9 ▷2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione, E-00219
115-63-9 ▷Hexocyclium methylsulfate, *in* H-00067
115-66-2 Tocamphyl, *in* T-00508
115-67-3 ▷Paramethadione, P-00024
115-68-4 Sulfadicramide, S-00192
115-77-5 ▷Pentaerythritol, P-00077
115-79-7 ▷Ambenonium chloride, *in* A-00167
115-93-5 ▷*O*,*O*-Dimethyl *O*-4-sulfamoylphenyl phosphorothioate, D-00453

116-02-9 ▷3,3,5-Trimethylcyclohexanol, T-00506
116-38-1 ▷Edrophonium chloride, *in* E-00016
116-42-7 Sulphaproxyline, S-00251
116-43-8 ▷Succinylsulfathiazole, S-00172
116-45-0 Sulfabromomethazine, S-00185
116-49-4 ▷Glycobiarsol, G-00069
116-52-9 ▷*N,N'*-Bis(2,2,2-trichloro-1-hydroxyethyl)urea, B-00238
116-95-0 Sulphan blue, S-00249
117-10-2 ▷1,8-Dihydroxyanthraquinone, D-00308
117-30-6 Dipiproverine, D-00517
117-34-0 ▷Diphenylacetic acid, D-00488
117-37-3 ▷2-(4-Methoxyphenyl)-1,3-indanedione, M-00212
117-39-5 ▷3,3′,4′,5,7-Pentahydroxyflavone, P-00082
117-74-8 ▷Berberine; Hydroxide, *in* B-00135
117-80-6 ▷2,3-Dichloro-1,4-naphthoquinone, D-00195
117-89-5 ▷Trifluoperazine, T-00463
117-96-4 ▷Diatrizoic acid, *in* D-00138
118-08-1 ▷Hydrastine, H-00095
118-10-5 ▷Cinchonine, C-00358
118-23-0 Bromodiphenhydramine, B-00299
118-42-3 ▷Hydroxychloroquine, H-00120
118-56-9 3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate, T-00507
118-57-0 Acetaminosalol, *in* H-00112
118-61-6 ▷Ethyl salicylate, *in* H-00112
118-68-3 ▷Etryptamine acetate, *in* A-00222
118-92-3 ▷2-Aminobenzoic acid, A-00215
119-04-0 ▷Neomycin *B*, N-00068
119-29-9 ▷Ambucaine, A-00172
119-36-8 ▷Methyl 2-hydroxybenzoate, M-00261
119-41-5 ▷Efloxate, E-00019
119-44-8 Xanthopterin, X-00006
119-53-9 ▷Benzoin, B-00093
119-65-3 ▷Isoquinoline, I-00210
119-85-7 Vanyldisulfamide, V-00010
119-96-0 Arsthinol, A-00451
120-21-8 4-Aminobenzaldehyde; *N,N*-Di-Et, *in* A-00210
120-32-1 ▷2-Benzyl-4-chlorophenol, B-00109
120-33-2 3-Methylbenzoic acid; Et ester, *in* M-00230
120-47-8 ▷Ethylparaben, *in* H-00113
120-51-4 ▷Benzyl benzoate, *in* B-00092
120-97-8 ▷Dichlorphenamide, D-00206
121-19-7 ▷4-Hydroxy-3-nitrophenylarsonic acid, H-00181
121-32-4 ▷3-Ethoxy-4-hydroxybenzaldehyde, *in* D-00311
121-33-5 ▷4-Hydroxy-3-methoxybenzaldehyde, *in* D-00311
121-54-0 ▷Benzethonium chloride, *in* B-00079
121-55-1 Subathizone, S-00170
121-57-3 ▷4-Aminobenzenesulfonic acid, A-00213
121-58-4 ▷4-Aminobenzenesulfonic acid; *N*-Di-Me, *in* A-00213
121-59-5 ▷Carbarsone, C-00043
121-60-8 ▷*N*-Acetylsulfanilyl chloride, *in* A-00213
121-64-2 Sulocarbilate, S-00230
121-66-4 ▷2-Amino-5-nitrothiazole, A-00294
121-75-5 ▷Malathion, M-00013
121-81-3 3,5-Dinitrobenzamide, *in* D-00468
121-97-1 *p*-Propionylanisole, *in* H-00193
122-11-2 ▷Sulphadimethoxine, S-00238
122-14-5 ▷Fenitrothion, F-00057
122-16-7 Sulfanitran, S-00204
122-18-9 Cetalkonium chloride, *in* B-00118
122-79-2 ▷Phenyl acetate, *in* P-00161
122-85-0 4-Aminobenzaldehyde; *N*-Ac, *in* A-00210
122-89-4 ▷Mesulfamide, M-00141
122-95-2 1,4-Diethoxybenzene, *in* B-00074
122-97-4 ▷3-Phenyl-1-propanol, P-00201
123-03-5 ▷Cetylpyridinium chloride, *in* H-00043
123-30-8 ▷4-Aminophenol, A-00298
123-31-9 ▷1,4-Benzenediol, B-00074
123-41-1 ▷Choline; Hydroxide, *in* C-00308
123-42-2 ▷4-Hydroxy-4-methyl-2-pentanone, H-00171
123-47-7 2-Hydroxy-*N,N,N,N′,N′,N′*-hexamethyl-1,3-propanediaminium diiodide, *in* D-00135
123-63-7 ▷Paraldehyde, P-00023
123-76-2 ▷4-Oxopentanoic acid, O-00134
123-82-0 ▷2-Heptanamine, H-00030
123-99-9 ▷Nonanedioic acid, N-00203
124-03-8 ▷Cetylcide, *in* E-00182
124-07-2 ▷Octanoic acid, O-00014
124-12-9 ▷Octanenitrile, *in* O-00014
124-28-7 ▷*N,N*-Dimethyl-1-octadecanamine, *in* O-00012
124-30-1 ▷Octadecylamine, O-00012
124-38-9 ▷Carbon dioxide, C-00057
124-43-6 ▷Carbamide peroxide, *in* U-00011
124-58-3 ▷Methylarsonic acid, M-00226
124-68-5 ▷2-Amino-2-methyl-1-propanol, A-00289
124-72-1 2-Bromo-1,1,1,2-tetrafluoroethane, B-00319
124-82-3 [3-(3-Carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methyoxypropyl]-hydroxomercury; Na salt, *in* C-00067
124-83-4 1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid; (1*R*,3*S*)-*form*, *in* T-00508
124-87-8 ▷Picrotoxin, P-00242
124-88-9 ▷Dimethiodal sodium, *in* D-00359
124-90-3 ▷Oxycodone hydrochloride, *in* O-00155
124-92-5 Metopon; B,HCl, *in* M-00333
124-94-7 ▷Triamcinolone, T-00419
124-97-0 ▷Protoveratrine B, *in* P-00543
124-99-2 ▷Scillaren A, *in* D-00319
125-02-0 ▷Prednisolone sodium phosphate, *in* P-00412
125-03-1 Etacort, *in* C-00548
125-04-2 ▷Hydrocortisone sodium succinate, *in* C-00548
125-10-0 ▷Prednisone acetate, *in* P-00413
125-13-3 Oxyphenisatin, O-00160
125-20-2 Thymolphthalein, T-00224
125-28-0 ▷Dihydrocodeine, *in* D-00294
125-29-1 ▷Hydrocodone, *in* H-00102
125-30-4 ▷Codethyline, *in* M-00449
125-33-7 ▷Primidone, P-00436
125-40-6 ▷Butabarbital, B-00380
125-42-8 ▷Vinbarbitone, V-00031
125-45-1 Azetepa, A-00517
125-51-9 ▷Pipenzolate bromide, *in* P-00279
125-52-0 ▷Oxyphencyclimine hydrochloride, *in* O-00159
125-53-1 Oxyphencyclimine, O-00159
125-55-3 Pronarcon, P-00482
125-56-4 ▷Methadone hydrochloride, *in* M-00163
125-58-6 ▷Methadone; (*R*)-*form*, *in* M-00163
125-60-0 1-(4-Amino-4-oxo-3,3-diphenylbutyl)-1-methylpiperidium bromide, *in* F-00070
125-64-4 ▷3,3-Diethyl-5-methyl-2,4-piperidinedione, D-00249
125-65-5 ▷Pleuromutilin, P-00374
125-69-9 ▷Dextromethorphan hydrobromide, *in* H-00166
125-70-2 Levomethorphan, *in* H-00166
125-71-3 ▷Dextromethorphan, *in* H-00166
125-73-5 ▷3-Hydroxy-*N*-methylmorphinan; (+)-*form*, *in* H-00166
125-80-4 Trimeperidine; B,HCl, *in* T-00494
125-84-8 ▷3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, A-00305
125-85-9 ▷Pentaphen, *in* C-00037
125-86-0 ▷Tussoryl, *in* C-00037
125-88-2 ▷Somnipron, *in* A-00430
125-99-5 ▷Tridihexethyl iodide, *in* T-00454
126-02-3 ▷Compound 08958, *in* C-00641
126-07-8 ▷Griseofulvin, G-00087
126-11-4 ▷2-(Hydroxymethyl)-2-nitro-1,3-propanediol, H-00168
126-12-5 ▷Anileridine hydrochloride, *in* A-00390
126-22-7 ▷Butonate, B-00413
126-27-2 ▷Oxethazaine, O-00106
126-31-8 ▷Methiodal sodium, *in* I-00106
126-52-3 ▷Ethinamate, E-00154
126-93-2 ▷Oxanamide, O-00085
127-07-1 ▷Hydroxyurea, H-00220
127-18-4 ▷Tetrachloroethylene, T-00106
127-31-1 ▷Fludrocortisone, F-00147
127-33-3 ▷6-Demethyl-7-chlorotetracycline, D-00064
127-35-5 ▷Phenazocine, P-00147
127-40-2 Lutein, L-00115
127-47-9 ▷Retinol acetate, *in* V-00058

127-48-0 ▷3,5,5-Trimethyl-2,4-oxazolidinedione, T-00510
127-52-6 Benzenesulfonic acid; Amide, *N*-Chloro, Na salt, *in* B-00075
127-58-2 ▷Sulfamerazine sodium, *in* S-00242
127-60-6 Acediasulfone sodium, *in* A-00008
127-65-1 ▷Tosylchloramide sodium, *in* C-00289
127-67-3 Pilocarpidine, *in* P-00252
127-69-5 ▷Sulfisoxazole, S-00215
127-71-9 ▷*N*-[(4-Aminophenyl)sulfonyl]benzamide, *in* A-00213
127-77-5 Sulfanilanilide, S-00202
127-79-7 ▷Sulphamerazine, S-00242
128-13-2 ▷3,7-Dihydroxy-24-cholanoic acid; (3α,5β,7β)-*form*, *in* D-00320
128-44-9 ▷Saccharin sodium, *in* S-00002
128-46-1 ▷Dihydrostreptomycin, D-00303
128-57-4 Sennoside *B*, *in* S-00042
128-62-1 ▷Narcotine; (1*R*,9*S*)-*form*, *in* N-00052
129-03-3 ▷Cyproheptadine, C-00648
129-06-6 ▷Warfarin sodium, *in* W-00001
129-16-8 ▷Mercurochrome, *in* M-00113
129-17-9 ▷Sulphan blue; Na salt, *in* S-00249
129-20-4 ▷Oxyphenbutazone, O-00158
129-24-8 3-Hydroxy-4-phenyl-2(1*H*)-quinolinone, H-00196
129-49-7 ▷Methysergide maleate, *in* M-00315
129-51-1 ▷Ergonovine maleate, *in* E-00104
129-57-7 ▷Sodium diprotrizoate, *in* D-00138
129-63-5 ▷Sodium acetrizoate, *in* A-00340
129-64-6 Nadic anhydride, *in* B-00157
129-71-5 ▷Chlorcyclizine hydrochloride, *in* C-00198
129-74-8 ▷Buclizine hydrochloride, *in* B-00339
129-77-1 ▷Crapinon, *in* P-00290
129-81-7 1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00286
129-83-9 ▷Phenampromide, P-00143
130-16-5 ▷5-Chloro-8-hydroxyquinoline, C-00249
130-24-5 Synkamine, *in* A-00285
130-26-7 ▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244
130-37-0 1,2,3,4-Tetrahydro-2-methyl-1,4-dioxo-2-naphthalenesulfonic acid sodium salt, *in* M-00271
130-61-0 ▷Mellaril hydrochloride, *in* T-00209
130-73-4 Promethoestrol, P-00479
130-79-0 Dimestrol, *in* D-00257
130-80-3 ▷Diethylstilbestrol dipropionate, *in* D-00257
130-81-4 Quindonium bromide, *in* Q-00018
130-83-6 ▷Azapentine phosphate, *in* A-00504
130-95-0 ▷Quinine, Q-00028
131-01-1 ▷Deserpidine, D-00093
131-13-5 ▷Menadiol sodium diphosphate, *in* D-00333
131-28-2 Narceine, N-00051
131-49-7 ▷Meglumine diatrizoate, *in* D-00138
131-53-3 ▷Dioxybenzone, *in* T-00472
131-56-6 ▷2,4-Dihydroxybenzophenone, D-00318
131-57-7 ▷(2-Hydroxy-4-methoxyphenyl)methanone, *in* D-00318
131-67-9 Phthalofyne, P-00224
131-69-1 Phthalylsulfacetamide, P-00225
132-17-2 ▷Benztropine mesilate, JAN, *in* B-00104
132-18-3 ▷Diphenylpyraline hydrochloride, *in* D-00514
132-20-7 ▷Daneral SA, *in* P-00157
132-21-8 Brompheniramine; (*S*)-*form*, *in* B-00325
132-22-9 ▷Chlorpheniramine, C-00292
132-35-4 ▷Proxazole citrate, *in* P-00545
132-60-5 ▷2-Phenyl-4-quinolinecarboxylic acid, P-00206
132-65-0 Dibenzothiophene, D-00160
132-69-4 ▷Benzydamine hydrochloride, *in* B-00105
132-73-0 Chloroquine sulfate, *in* C-00284
132-75-2 ▷(1-Naphthyl)acetic acid; Nitrile, *in* N-00044
132-89-8 ▷Chlorthenoxazin, C-00303
132-92-3 ▷Methicillin sodium, *in* M-00180
132-93-4 ▷Broxil, *in* P-00152
132-98-9 ▷Penicillin V potassium, *in* P-00171
133-11-9 Phenyl aminosalicylate, *in* A-00264
133-16-4 ▷Chloroprocaine, C-00277
133-17-5 ▷Iodohippurate sodium, *in* I-00101
133-36-8 Piperate, *in* P-00285
133-37-9 Tartaric acid; (2*RS*,3*RS*)-*form*, *in* T-00028
133-43-7 Mannitol; DL-*form*, *in* M-00018
133-51-7 ▷Glucantime, *in* D-00082
133-53-9 ▷2,4-Dichloro-3,5-dimethylphenol, D-00186
133-58-4 ▷Nitromersol, N-00181
133-65-3 ▷Solapsone, S-00093
133-67-5 ▷Trichloromethiazide, T-00439
134-11-2 2-Ethoxybenzoic acid, *in* H-00112
134-20-3 ▷2-Aminobenzoic acid; Me ester, *in* A-00215
134-31-6 ▷Quinosol, *in* H-00211
134-36-1 Erythromycin propionate, *in* E-00115
134-37-2 ▷1-(3-Aminophenyl)-2(1*H*)-pyridinone, A-00310
134-49-6 ▷3-Methyl-2-phenylmorpholine, M-00290
134-50-9 ▷Aminacrine hydrochloride, *in* A-00205
134-53-2 ▷Amprotropine phosphate, *in* A-00371
134-55-4 Acetylsalol, *in* A-00026
134-58-7 ▷5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]-pyrimidin-7-one, A-00247
134-62-3 ▷Diethyltoluamide, *in* M-00230
134-63-4 ▷Zoolobelin, *in* L-00064
134-64-5 Lobeline; (−)-*form*, B, ½ H_2SO_4, *in* L-00064
134-65-6 Lobeline; (±)-*form*, *in* L-00064
134-71-4 ▷2-Methylamino-1-phenyl-1-propanol; (1*RS*,2*SR*)-*form*, B,HCl, *in* M-00221
134-80-5 ▷Diethylpropion hydrochloride, *in* D-00240
135-07-9 ▷Methyclothiazide, M-00218
135-09-1 ▷Hydroflumethiazide, H-00099
135-14-8 ▷Quinuronium sulfate, *in* Q-00037
135-23-9 ▷Histadyl, *in* M-00171
135-31-9 ▷Pyrrobutamine phosphate, *in* P-00594
135-35-3 Thendor, *in* C-00282
135-42-2 P7, *in* L-00016
135-43-3 Lauroguadine, L-00016
135-44-4 ▷Panthesine, *in* L-00030
135-58-0 2,7-Dimethylthianthrene, D-00456
135-87-5 ▷Benodaine hydrochloride, *in* P-00294
136-36-7 ▷1,3-Benzenediol; Monobenzoyl, *in* B-00073
136-40-3 ▷Phenazopyridine hydrochloride, *in* D-00133
136-46-9 ▷Parethoxycaine; B,HCl, *in* P-00034
136-47-0 ▷Amethocaine hydrochloride, *in* T-00104
136-60-7 ▷Butyl benzoate, *in* B-00092
136-69-6 ▷Ventaire, *in* P-00540
136-70-9 Protokylol, P-00540
136-77-6 ▷4-Hexyl-1,3-benzenediol, H-00071
136-82-3 Piperocaine, P-00292
136-96-9 ▷Diamthazole; B,2HCl, *in* D-00143
137-08-6 ▷Calcium pantothenate, *in* P-00016
137-26-8 ▷Tetramethylthiuram disulfide, T-00149
137-53-1 ▷Dextrothyroxine sodium, *in* T-00233
137-58-6 ▷Lignocaine, L-00047
137-76-8 Carbonic acid 4-[[(4-amino-2-methyl-5-pyrimidinyl)-methyl]formylamino]-3-[(ethoxycarbonyl)-thio]-3-pentenyl ethyl ester, *in* T-00174
137-86-0 ▷Octotiamine, O-00023
137-88-2 Amprolium, *in* A-00323
138-12-5 Scopolamine; (±)-*form*, *in* S-00031
138-14-7 ▷Desferrioxamine mesilate, *in* D-00044
138-32-9 Cetrimonium tosilate, *in* H-00044
138-37-4 ▷Mafenide; B,HCl, *in* M-00002
138-39-6 Mafenide, M-00002
138-41-0 ▷4-(Aminosulfonyl)benzoic acid, *in* S-00217
138-43-2 Mesulfamide sodium, *in* M-00141
138-56-7 Trimethobenzamide, T-00500
138-65-8 ▷Noradrenaline; (±)-*form*, *in* N-00208
138-92-1 ▷Betazole hydrochloride, JAN, *in* A-00256
139-07-1 Benzododecinium chloride, *in* B-00113
139-08-2 ▷Miristalkonium chloride, *in* B-00116
139-10-6 ▷Profetamine phosphate, *in* P-00202
139-33-3 ▷Edetate disodium, *in* E-00186
139-56-0 Salazosulfamide, S-00009
139-62-8 ▷Cyclomethycaine, C-00625
139-85-5 ▷3,4-Dihydroxybenzaldehyde, D-00311
139-88-8 ▷Sodium tetradecyl sulfate, *in* E-00209
139-91-3 ▷Furaltadone, F-00281
139-93-5 ▷Salvarsan, S-00021
139-93-5 ▷Salvarsan; B,2HCl, *in* S-00021
139-94-6 ▷*N*-Ethyl-*N'*-(5-nitro-2-thiazolyl)urea, E-00211

140-36-3 ▷Hydroxyamphetamine hydrobromide, *in* A-00322
140-40-9 ▷Acinitrazole, *in* A-00294
140-59-0 Stilbamidine isetionate, *in* S-00153
140-63-6 ▷Propamidine isethionate, *in* P-00487
140-64-7 ▷Pentamidine isethionate, *in* P-00086
140-65-8 ▷Pramoxine, P-00398
140-72-7 Hexadecylpyridinium(1+); Bromide, *in* H-00043
140-79-4 ▷Piperazine; 1,4-Dinitroso, *in* P-00285
140-87-4 ▷Cyanoacetohydrazide, C-00580
141-01-5 ▷Ferrous fumarate, *in* F-00274
141-43-5 ▷2-Aminoethanol, A-00253
141-94-6 Hexetidine, H-00064
142-26-7 ▷*N*-(2-Hydroxyethyl)acetamide, *in* A-00253
142-63-2 ▷Piperazine; Hexahydrate, *in* P-00285
142-71-2 ▷Cupric acetate, C-00575
142-88-1 ▷Piperazine; Adipate (1:1), *in* P-00285
143-27-1 ▷Hexadecylamine, H-00042
143-47-5 Iodomethanesulfonic acid, I-00106
143-52-2 ▷Metopon, M-00333
143-57-7 ▷Protoveratrine A, *in* P-00543
143-62-4 ▷Digitoxigenin, D-00274
143-67-9 ▷Vinblastine sulfate, *in* V-00032
143-71-5 Hydrocodone bitartrate, *in* H-00102
143-74-8 ▷Phenolsulfonphthalein, P-00163
143-81-7 ▷Butabarbital sodium, *in* B-00380
143-82-8 ▷Probarbital sodium, *in* P-00443
143-92-0 Tropenziline bromide, *in* T-00551
144-11-6 Benzhexol, B-00081
144-12-7 Tiemonium iodide, *in* T-00257
144-14-9 ▷Anileridine, A-00390
144-21-8 ▷Arrhenal, *in* M-00226
144-29-6 ▷Piperazine citrate, *in* P-00285
144-44-5 Pentolium(2+), P-00102
144-45-6 Spirgetine, S-00120
144-74-1 ▷Sulphathiazole; Na salt, *in* S-00256
144-75-2 Aldesulfone sodium, *in* S-00223
144-76-3 Sulfoxone, S-00223
144-80-9 ▷Sulfacetamide, *in* A-00213
144-82-1 ▷Sulphamethizole, S-00243
144-83-2 ▷Sulphapyridine, S-00252
144-86-5 ▷*N*-Chloro-*p*-toluenesulfonamide, C-00289
145-12-0 Oxymesterone, O-00152
145-13-1 3-Hydroxy-5-pregnen-20-one; 3β-*form*, *in* H-00205
145-41-5 ▷Dehydrocholate sodium, *in* D-00049
145-42-6 ▷Taurocholic acid; Na salt, *in* T-00031
145-54-0 Propyromazine bromide, *in* P-00520
145-63-1 ▷Suramin sodium, S-00275
145-94-8 ▷7-Chloro-4-indanol, C-00252
146-14-5 ▷Riboflavine 5′-(trihydrogendiphosphate) 5′→5′-ester with adenosine, *in* R-00038
146-17-8 ▷Riboflavine 5′-(dihydrogen phosphate), *in* R-00038
146-22-5 ▷Nitrazepam, N-00170
146-28-1 ▷Perphenazine; Ac; B,2HCl, *in* P-00129
146-36-1 ▷Azapetine, A-00504
146-37-2 ▷Laurolinium acetate, *in* L-00017
146-40-7 Quinine ascorbate, *in* Q-00028
146-48-5 ▷Yohimbine, Y-00002
146-54-3 ▷Fluopromazine, F-00176
146-56-5 ▷Fluphenazine hydrochloride, *in* F-00202
146-77-0 ▷2-Chloroadenosine, C-00214
146-94-1 2-Azaadenosine, A-00490
147-20-6 ▷Diphenylpyraline, D-00514
147-24-0 ▷Diphenhydramine hydrochloride, *in* D-00484
147-27-3 ▷Dimoxyline, D-00463
147-48-8 Bantogen, *in* P-00171
147-52-4 Nafcillin; [2*S*-(2α,5α,6β)]-*form*, *in* N-00012
147-55-7 Phenethicillin, P-00152
147-55-7 Phenethicillin; DL-*form*, *in* P-00152
147-58-0 (2-Iodobenzoyl)aminoacetic acid, I-00101
147-71-7 Tartaric acid; (2*S*,3*S*)-*form*, *in* T-00028
147-73-9 Tartaric acid; (2*RS*,3*SR*)-*form*, *in* T-00028
147-84-2 ▷Diethyldithiocarbamic acid, D-00244
147-93-3 ▷2-Mercaptobenzoic acid, M-00114
147-94-4 ▷Cytosine arabinoside; β-D-furanose-*form*, *in* C-00667
148-01-6 ▷2-Methyl-3,5-dinitrobenzamide, *in* M-00246
148-03-8 β-Tocopherol, T-00336
148-07-2 Benzmalecene, B-00088
148-18-5 ▷Ditiocarb sodium, *in* D-00244
148-24-3 ▷8-Hydroxyquinoline, H-00211
148-32-3 Amprotropine, A-00371
148-56-1 ▷Flumethiazide, F-00157
148-61-8 Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198
148-64-1 Tagathen, *in* C-00282
148-65-2 ▷Chloropyrilene, C-00282
148-79-8 ▷Thiabendazole, T-00171
148-82-3 ▷Melphalan; (*S*)-*form*, *in* M-00084
149-13-3 Procaine Borate, *in* P-00447
149-15-5 ▷Butacaine; 2B,H_2SO_4, *in* B-00381
149-16-6 ▷Butacaine, B-00381
149-17-7 Ftivazide, F-00269
149-29-1 ▷Patulin, P-00043
149-32-6 ▷Erythritol, E-00114
149-53-1 ▷Isoprenaline; (±)-*form*, *in* I-00198
149-64-4 ▷Butylscopolammonium bromide, *in* S-00031
149-87-1 5-Oxo-2-pyrrolidinecarboxylic acid; (±)-*form*, *in* O-00140
149-95-1 ▷Noradrenaline; (*S*)-*form*, *in* N-00208
150-05-0 ▷Adrenaline; (*S*)-*form*, *in* A-00075
150-13-0 ▷4-Aminobenzoic acid, A-00216
150-19-6 ▷*m*-Methoxyphenol, *in* B-00073
150-38-9 ▷Edetate trisodium, *in* E-00186
150-59-4 *N*-Ethyl-3,3′-diphenyldipropylamine, E-00184
150-75-4 ▷4-Aminophenol; *N*-Me, *in* A-00298
150-76-5 ▷4-Methoxyphenol, *in* B-00074
151-06-4 ▷Chlorphenteramine hydrochloride, *in* C-00295
151-67-7 ▷2-Bromo-2-chloro-1,1,1-trifluoroethane, B-00294
151-69-9 Cismadinone acetate, *in* C-00398
151-73-5 ▷Betamethasone sodium phosphate, *in* B-00141
151-83-7 Methohexitone, M-00187
152-02-3 ▷Levallorphan, L-00038
152-43-2 ▷Quinestrol, *in* E-00231
152-47-6 ▷Sulfametopyrazine, S-00198
152-53-4 ▷Cycloguanil; B,HCl, *in* C-00603
152-58-9 ▷17,21-Dihydroxy-4-pregnene-3,20-dione; 17α-*form*, *in* D-00349
152-62-5 ▷Dydrogesterone, D-00624
152-72-7 ▷Nicoumalone, N-00105
152-97-6 ▷Fluocortolone, F-00175
153-00-4 Methenolone, M-00178
153-18-4 ▷Rutin, R-00106
153-43-5 7-Chloro-4-hydroxy-5-indanecarboxylic acid, C-00243
153-61-7 ▷Cephalothin, C-00178
153-76-4 Gallamine, G-00004
153-87-7 ▷Oxypertine, O-00157
153-94-6 ▷Tryptophan; (*R*)-*form*, *in* T-00567
154-21-2 ▷Lincomycin, L-00051
154-23-4 ▷3,3′,4′,5,7-Pentahydroxyflavan; (2*R*,3*S*)-*form*, *in* P-00081
154-36-9 Trifoside, T-00470
154-41-6 ▷Phenylpropanolamine hydrochloride, *in* A-00308
154-42-7 ▷Thioguanine, T-00202
154-68-7 ▷Antazoline phosphate, *in* A-00400
154-69-8 ▷Pyrinamine, *in* T-00524
154-73-4 Guanisoquine, G-00113
154-82-5 ▷Simetride, S-00073
154-87-0 ▷Thiamine diphosphate, T-00175
154-93-8 ▷*N*,*N*′-Bis(2-chloroethyl)-*N*-nitrosourea, B-00199
154-97-2 ▷Pralidoxime mesylate, *in* P-00395
155-09-9 ▷2-Phenylcyclopropylamine; (1*RS*,2*SR*)-*form*, *in* P-00186
155-41-9 ▷Hyoscine methobromide, *in* S-00031
155-91-9 ▷Sulphamoprine, S-00247
155-97-5 ▷Pyridostigmine(1+), P-00578
156-08-1 ▷*N*-Benzyl-*N*,α-dimethylphenethylamine; (*S*)-*form*, *in* B-00115
156-34-3 1-Phenyl-2-propylamine; (*R*)-*form*, *in* P-00202
156-43-4 ▷4-Ethoxyaniline, E-00161
156-51-4 ▷Phenelzine sulfate, *in* P-00189
156-56-9 ▷Hypoglycin *A*; (α*S*,γ*S*)-*form*, *in* H-00224
156-57-0 ▷2-Aminoethanethiol; B,HCl, *in* A-00252

156-62-7 ▷Calcium carbimide, *in* C-00579
156-74-1 Decamethonium(2+), D-00036
156-87-6 ▷3-Amino-1-propanol, A-00319
157-03-9 ▷2-Amino-6-diazo-5-oxohexanoic acid; (*S*)-*form*, *in* A-00238
157-06-2 Arginine; (*R*)-*form*, *in* A-00441
230-35-3 Naphtho[2,1-*e*]-1,2,4-triazine, N-00043
244-54-2 Dibenziodolium, D-00157
246-06-0 Cyclohept[*b*]indole, C-00604
251-80-9 1*H*-Imidazo[1,2-*b*]pyrazole, I-00032
256-96-2 5*H*-Dibenz[*b*,*f*]azepine, D-00155
283-24-9 ▷3-Azabicyclo[3.2.2]nonane, A-00491
297-76-7 ▷Ethynodiol diacetate, *in* E-00227
297-88-1 ▷Methadone; (±)-*form*, *in* M-00163
297-90-5 ▷3-Hydroxy-*N*-methylmorphinan; (±)-*form*, *in* H-00166
297-93-8 Dipyrandium chloride, *in* D-00529
298-46-4 ▷5*H*-Dibenz[b,f]azepine-5-carboxamide, *in* D-00155
298-50-0 Propantheline, P-00492
298-55-5 Clocinizine, C-00443
298-57-7 Cinnarizine, C-00372
298-59-9 ▷Ritalin, *in* R-00065
298-81-7 ▷Xanthotoxin, X-00007
299-20-7 ▷Viridogrisein, V-00055
299-29-6 ▷Ferrous gluconate, F-00093
299-39-8 ▷Sparteine sulfate, *in* S-00110
299-42-3 ▷2-Methylamino-1-phenyl-1-propanol; (1*R*,2*S*)-*form*, *in* M-00221
299-48-9 Piperamide, P-00284
299-61-6 ▷Ganglefene, G-00010
299-75-2 ▷Treosulfan, *in* T-00219
299-84-3 ▷Fenchlorphos, F-00039
299-86-5 ▷Crufomate, C-00572
299-88-7 Bentiamine, B-00067
299-89-8 Acetiamine, A-00020
300-08-3 ▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid; Me ester; B,HBr, *in* T-00126
300-22-1 Medazonamide, M-00054
300-25-4 Furaguanidine, F-00279
300-30-1 Thyroxine; (±)-*form*, *in* T-00233
300-37-8 ▷Iodopyracet, *in* D-00363
300-39-0 3,5-Diiodotyrosine; (*S*)-*form*, *in* D-00365
300-42-5 ▷1-Phenyl-2-propylamine; (±)-*form*, *N*-Me; B,HCl, *in* P-00202
300-62-9 ▷1-Phenyl-2-propylamine; (±)-*form*, *in* P-00202
300-68-5 ▷Tremorine; B,2HCl, *in* T-00409
301-15-5 ▷1,1-Decamethylenediguanidine; B,2HCl, *in* D-00037
302-22-7 ▷Chlormadinone acetate, *in* C-00208
302-33-0 ▷Proadifen, P-00442
302-40-9 ▷Benactyzine, B-00034
302-41-0 ▷Piritramide, P-00337
302-49-8 ▷Uredepa, U-00012
302-66-9 ▷Meparfynol carbamate, *in* M-00281
302-70-5 ▷Mustron, *in* D-00193
302-76-1 17-Methylestra-1,3,5(10)-triene-3,17-diol, *in* O-00028
302-79-4 ▷Retinoic acid; (13*E*)-*form*, *in* R-00033
302-83-0 ▷Edrophonium bromide, *in* E-00016
303-01-5 21-Hydroxy-3,20-pregnanedione; 5β-*form*, *in* H-00201
303-07-1 2,6-Dihydroxybenzoic acid, D-00317
303-25-3 ▷Cyclizine hydrochloride, *in* C-00595
303-38-8 2,3-Dihydroxybenzoic acid, D-00315
303-40-2 Fluocortolone caproate, *in* F-00175
303-42-4 Methenolone enanthate, *in* M-00178
303-45-7 ▷Gossypol, G-00082
303-49-1 ▷Clomipramine, C-00472
303-53-7 ▷Cyclobenzaprine, C-00597
303-54-8 ▷Balipramine, B-00007
303-69-5 ▷Prothipendyl, P-00536
303-81-1 ▷Novobiocin, N-00228
303-95-7 Coenzyme *Q*; Coenzyme Q_7, *in* C-00531
303-97-9 Coenzyme *Q*; Coenzyme Q_9, *in* C-00531
303-98-0 ▷Coenzyme *Q*; Coenzyme Q_{10}, *in* C-00531
304-20-1 ▷Hydralazine hydrochloride, *in* H-00096
304-43-8 ▷Diphenicillin, D-00485
304-55-2 ▷2,3-Dimercaptobutanedioic acid; (2*RS*,3*SR*)-*form*, *in* D-00384
304-84-7 ▷Ethamivan, E-00146
305-03-3 ▷Chlorambucil, C-00194
305-33-9 ▷Marsilid, *in* I-00161
305-85-1 ▷2,6-Diiodo-4-nitrophenol, D-00360
305-97-5 ▷Anthiolimine, *in* S-00150
306-03-6 Hyoscyamine hydrobromide, *in* T-00554
306-07-0 ▷Pargyline hydrochloride, *in* P-00037
306-10-5 Contramine, *in* B-00275
306-11-6 Doberol, *in* T-00352
306-12-7 ▷Oxophenarsine, O-00135
306-19-4 ▷Pivhydrazine, P-00365
306-20-7 ▷Fenaclon, F-00031
306-40-1 ▷Suxamethonium(2+), S-00280
306-41-2 Carbolonium bromide, *in* C-00055
306-44-5 ▷Isonitrosoacetone, *in* P-00600
306-52-5 ▷Triclofos, T-00450
306-53-6 ▷Azamethonium bromide, *in* A-00499
306-94-5 ▷Octadecafluorodecahydronaphthalene, O-00008
309-29-5 ▷Doxapram, D-00591
309-36-4 ▷Methohexital sodium, *in* M-00187
309-43-3 ▷Quinalbarbitone sodium, *in* Q-00011
311-09-1 ▷Benzoquinonium chloride, *in* B-00096
311-45-5 ▷Paraoxon, P-00027
312-48-1 Edrophonium(1+), E-00016
312-93-6 ▷Dexamethasone phosphate, *in* D-00111
313-05-3 Azacosterol, A-00495
313-06-4 ▷Estradiol cypionate, *in* O-00028
313-67-7 8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00200
314-03-4 ▷Pimethixene, P-00257
314-13-6 ▷Azovan Blue, A-00532
314-35-2 ▷Etamiphylline, E-00137
315-30-0 ▷1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-00300
315-37-7 ▷Testosterone enanthate, *in* H-00111
315-72-0 ▷Opipramol, O-00052
315-80-0 ▷Dibenzepin hydrochloride, *in* D-00156
316-05-2 ▷Quinacrine soluble, *in* Q-00010
316-15-4 ▷Bucricaine, *in* A-00333
316-23-4 Diethylstilbestrol disulfate, *in* D-00257
316-42-7 ▷Emetine hydrochloride, *in* E-00036
316-81-4 ▷Thioproperazine, T-00208
317-34-0 ▷Aminophylline, *in* T-00169
317-52-2 ▷Hexafluorenium bromide, *in* H-00046
318-23-0 Imolamine, I-00042
318-98-9 ▷Propranolol hydrochloride, *in* P-00514
319-84-6 ▷1,2,3,4,5,6-Hexachlorocyclohexane; (±)-α-*form*, *in* H-00038
319-85-7 ▷1,2,3,4,5,6-Hexachlorocyclohexane; (β)-*form*, *in* H-00038
319-86-8 ▷1,2,3,4,5,6-Hexachlorocyclohexane; δ-*form*, *in* H-00038
319-89-1 Tetrahydroxy-1,4-benzoquinone, T-00137
320-67-2 ▷5-Azacytidine, A-00496
321-55-1 ▷Haloxon, H-00021
321-64-2 ▷9-Amino-1,2,3,4-tetrahydroacridine, A-00333
321-97-1 2-Methylamino-1-phenyl-1-propanol; (1*R*,2*R*)-*form*, *in* M-00221
321-98-2 ▷2-Methylamino-1-phenyl-1-propanol; (1*S*,2*R*)-*form*, *in* M-00221
322-35-0 ▷Benserazide; (±)-*form*, *in* B-00064
322-79-2 ▷Triflusal, *in* H-00215
325-23-5 ▷Domoxin tartrate, *in* D-00575
326-12-5 Crotoxyphos, C-00571
327-86-6 3,3′,5-Triiodothyronine, T-00487
328-38-1 ▷Leucine; (*R*)-*form*, *in* L-00029
328-39-2 Leucine; (±)-*form*, *in* L-00029
329-65-7 ▷Adrenaline; (±)-*form*, *in* A-00075
330-95-0 ▷Nicarbazin, *in* B-00231
332-69-4 Bromamid, B-00283
333-31-3 Methacholine bromide, *in* M-00160
333-36-8 ▷Bis(2,2,2-trifluoroethyl) ether, B-00239
333-41-5 ▷Diazinon, D-00149
337-03-1 Flugestone, F-00150
337-47-3 ▷Thiamylal sodium, *in* T-00180
338-83-0 Heneicosafluorotripropylamine, H-00025

338-95-4 Isoflupredone, I-00188
338-98-7 ▷Isoflupredone acetate, *in* I-00188
339-43-5 ▷Carbutamide, C-00070
339-44-6 ▷Glymidine, G-00075
340-56-7 ▷Parest, *in* M-00172
340-57-8 ▷3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, C-00272
341-00-4 2-(Diphenylmethylene)butylamine, D-00497
341-69-5 ▷Disipal, *in* O-00064
341-70-8 ▷Antipar, *in* D-00227
342-10-9 Bradykinins; Kallidin II, *in* B-00264
342-69-8 ▷6-(Methylthio)-9-β-D-ribofuranosyl-9*H*-purine, *in* T-00204
343-94-2 ▷Tryptamine; B,HCl, *in* T-00566
345-78-8 ▷Pseudoephedrine hydrochloride, *in* M-00221
346-18-9 ▷Polythiazide, P-00386
348-67-4 ▷Methionine; (*R*)-*form*, *in* M-00183
349-88-2 4-Fluorobenzenesulfonic acid; Chloride, *in* F-00181
350-12-9 Sulbentine, S-00183
352-97-6 Guanidinoacetic acid, G-00109
356-12-7 ▷Fluocinonide, F-00173
357-08-4 ▷Naloxone hydrochloride, *in* N-00033
357-56-2 Moramide; (*S*)-*form*, *in* M-00437
357-66-4 ▷Spirilene, S-00121
357-67-5 ▷5,5-Diethyl-1-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00253
357-70-0 ▷Galanthamine; (−)-*form*, *in* G-00002
358-52-1 ▷Hexapropymate, H-00061
359-83-1 ▷Pentazocine, P-00093
360-63-4 Betamethasone; 21-Phosphate, *in* B-00141
360-65-6 ▷Glycodeoxycholic acid, *in* D-00321
360-70-3 ▷Nandrolone decanoate, *in* H-00185
360-97-4 ▷5-Amino-1*H*-imidazole-4-carboxylic acid; Amide, *in* A-00275
361-37-5 ▷Methysergide, M-00315
362-29-8 Propiomazine, P-00504
362-74-3 ▷Bucladesine, *in* C-00591
362-75-4 2′,3′-*O*-Isopropylideneadenosine, *in* A-00067
363-13-3 ▷1-Benzyl-2(1*H*)-cycloheptimidazolone, B-00110
363-20-2 ▷Tricetamide, T-00431
363-24-6 ▷11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid; (5*Z*,8*R*,11*R*,12*R*,13*E*,15*S*)-*form*, *in* D-00339
363-27-9 Dehydroactidione, *in* D-00441
364-62-5 ▷Metoclopramide, M-00327
364-98-7 ▷Diazoxide, D-00152
366-70-1 ▷Procarbazine hydrochloride, *in* P-00448
368-43-4 ▷Benzenesulfonic acid; Fluoride, *in* B-00075
368-88-7 4-Fluorobenzenesulfonic acid, F-00181
369-77-7 Cloflucarban, C-00458
370-14-9 ▷4-[2-(Methylamino)propyl]phenol, M-00222
371-34-6 6-Aminohexanoic acid; Et ester, *in* A-00259
372-66-7 Heptaminol, H-00029
372-75-8 Citrulline; (*S*)-*form*, *in* C-00405
373-04-6 6-Aminohexanoic acid; Amide, *in* A-00259
378-44-9 ▷Betamethasone, B-00141
379-79-3 ▷Ergotamine tartrate, *in* E-00106
382-45-6 Adrenosterone, A-00079
382-67-2 ▷Desoximetasone, D-00102
382-82-1 ▷Dicolinium iodide, *in* D-00215
386-17-4 Tetraiodophenolphthalein, T-00142
388-51-2 ▷Perphenazine trimethoxybenzoate, *in* P-00129
389-08-2 ▷Nalidixic acid, N-00029
390-28-3 ▷Methoxamine, M-00194
390-28-3 ▷Methoxamine; (±)-*form*, *in* M-00194
390-64-7 ▷Prenylamine, P-00423
391-70-8 ▷Troxonium tosilate, *in* T-00560
394-31-0 2-Amino-5-hydroxybenzoic acid, A-00262
395-28-8 ▷Isoxsuprine, I-00218
396-01-0 ▷2,4,7-Triamino-6-phenylpteridine, T-00420
402-46-0 ▷4-Fluorobenzenesulfonic acid; Amide, *in* F-00181
404-82-0 ▷Fenfluramine hydrochloride, *in* F-00050
405-22-1 ▷Nidroxyzone, N-00108
406-76-8 ▷Carnitine; (±)-*form*, *in* C-00084
406-90-6 ▷(2,2,2-Trifluoroethoxy)ethene, T-00464
407-41-0 Phosphoserine; (*S*)-*form*, *in* P-00220
420-04-2 ▷Cyanamide, C-00579
424-89-5 Clomegestone acetate, *in* C-00466
426-13-1 Fluorometholone, F-00186
427-00-9 ▷Desomorphine, D-00100
427-51-0 ▷Cyproterone acetate, *in* C-00651
428-07-9 Atromepine; [3(*S*)-*endo*]-*form*, *in* A-00474
428-37-5 ▷Profadol, P-00462
432-60-0 ▷Allyloestrenol, A-00132
434-03-7 ▷Ethisterone, E-00156
434-05-9 ▷Methenolone acetate, *in* M-00178
434-07-1 ▷Oxymetholone, O-00154
434-22-0 ▷17-Hydroxy-4-oestren-3-one; 17β-*form*, *in* H-00185
434-43-5 ▷2-Methyl-3-phenyl-2-butylamine, M-00288
435-97-2 Phenprocoumon, P-00174
436-40-8 ▷Inproquone, I-00075
436-77-1 Fangchinoline; (+)-*form*, *in* F-00017
437-38-7 ▷Fentanyl, F-00077
437-74-1 ▷Xanthinol niotinate, *in* X-00003
438-41-5 ▷Chlordiazepoxide hydrochloride, *in* C-00200
438-60-8 ▷Protriptyline, P-00544
438-67-5 ▷Sodium estrone sulfate, *in* O-00031
439-14-5 ▷Diazepam, D-00148
440-17-5 ▷Trifluoperazine hydrochloride, *in* T-00463
440-58-4 ▷Iodamide, I-00095
441-61-2 Ethylmethylthiambutene, E-00208
441-91-8 Benanserin, B-00036
442-03-5 Anisopirol, A-00396
442-16-0 3,9-Diamino-7-ethoxyacridine, D-00130
442-52-4 Clemizole, C-00418
443-48-1 ▷Metronidazole, M-00344
444-27-9 ▷4-Thiazolidinecarboxylic acid, T-00183
446-86-6 ▷Azathioprine, A-00513
447-41-6 Buphenine, B-00367
448-34-0 ▷Azaprocin, A-00506
451-71-8 Glyhexamide, G-00074
451-77-4 Homarylamine, *in* M-00253
452-35-7 ▷6-Ethoxy-2-benzothiazolesulfonamide, E-00162
455-16-3 ▷4-Methylbenzenesulfonic acid; Fluoride, *in* M-00228
455-32-3 Benzoyl fluoride, *in* B-00092
455-83-4 (3-Amino-4-hydroxyphenyl)arsinous dichloride, A-00270
456-59-7 ▷Cyclandelate, C-00586
457-60-3 ▷Neoarsphenamine, N-00066
457-60-3 ▷Neoarsphenamine; Na salt, *in* N-00066
457-87-4 ▷Etilamfetamine, *in* P-00202
458-24-2 ▷Fenfluramine, F-00050
459-86-9 ▷Mitoguazone, M-00402
461-06-3 Carnitine, C-00084
461-78-9 ▷Chlorphentermine, C-00295
461-89-2 ▷1,2,4-Triazine-3,5(2*H*,4*H*)-dione, T-00422
462-58-8 Carbamoylcholine(1+), C-00040
462-66-8 4,8,12-Trimethyl-3,7,11-tridecatrienoic acid, T-00513
462-95-3 ▷Diethoxymethane, *in* F-00244
463-00-3 4-Guanidinobutanoic acid, G-00110
464-48-2 ▷Camphor; (−)-*form*, *in* C-00023
464-49-3 ▷Camphor; (+)-*form*, *in* C-00023
464-92-6 ▷2,3,23-Trihydroxy-12-ursen-28-oic acid; (2α,3β)-*form*, *in* T-00485
465-12-3 ▷3,11,14-Trihydroxy-20(22)-cardenolide; (3β,5β,11β,14β)-*form*, *in* T-00473
465-15-6 ▷Oleandrigenin, *in* T-00474
465-16-7 ▷Oleandrin, *in* T-00474
465-22-5 ▷3,14-Dihydroxy-4,20,22-bufatrienolide; (3β,14β)-*form*, *in* D-00319
465-39-4 ▷3-Hydroxy-14,15-epoxy-20,22-bufadienolide; (3β,5β,14β,15β)-*form*, *in* H-00128
465-53-2 6-Hydroxy-3,5-cyclopregnan-20-one; 6β-*form*, *in* H-00122
465-65-6 ▷Naloxone, N-00033
465-90-7 ▷3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; (3β,5β,14β)-*form*, *in* T-00477
466-06-8 ▷Proscillaridin A, *in* D-00319
466-07-9 ▷Neriifolin, *in* D-00274
466-11-5 ▷Dexamethasone sodium sulfate, *in* D-00111
466-14-8 2-Bromo-2-ethyl-3-methylbutyramide, B-00301

466-40-0 ▷Isomethadone, I-00193
466-90-0 ▷Thebacon, T-00161
466-97-7 ▷Normorphine, N-00222
466-99-9 ▷Hydromorphone, H-00102
467-13-0 Codeinone, C-00526
467-15-2 ▷Norcodeine, *in* N-00222
467-18-5 Myrophine, M-00477
467-22-1 ▷Carbiphene hydrochloride, *in* C-00053
467-36-7 ▷Thialbarbitone, T-00172
467-38-9 Thiotetrabarbital, T-00212
467-43-6 ▷Methitural, M-00184
467-83-4 4,4-Diphenyl-6-(1-piperidinyl)-3-heptanone, D-00509
467-84-5 Phenadoxone, P-00138
467-85-6 ▷6-Dimethylamino-4,4-diphenyl-3-hexanone, D-00407
467-86-7 Dioxaphetyl butyrate, D-00474
467-90-3 3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, D-00250
468-07-5 ▷Phenomorphan, P-00164
468-18-8 ▷Bovogenin *A*, B-00262
468-50-8 Meprodine; (3*RS*,4*RS*)-*form*, *in* M-00105
468-51-9 Meprodine; (3*S*,4*R*)-*form*, *in* M-00105
468-56-4 ▷Hydroxypethidine, H-00189
468-61-1 ▷Oxeladin, O-00101
468-65-5 Buthalital, B-00400
469-21-6 ▷Doxylamine, D-00598
469-54-5 Griseofulvic acid, *in* G-00087
469-62-5 ▷Propoxyphene; (2*S*,3*R*)-*form*, *in* P-00512
469-78-3 Metheptazine, *in* H-00050
469-79-4 ▷Ketobemidone, K-00014
469-80-7 Pheneridine, P-00151
469-81-8 Morpheridine, M-00447
469-82-9 Etoxeridine, E-00265
470-43-9 ▷Promoxolan, P-00481
470-82-6 ▷Cineole, C-00360
470-90-6 ▷Chlorfenvinphos, C-00203
470-94-0 ▷*O*,*O*-Diethyl *S*-(2-dimethylaminoethyl) phosphorothioate; Hydrogen oxalate, *in* D-00242
471-34-1 Calcium carbonate, C-00014
471-53-4 ▷Glycyrrhetic acid, G-00072
471-80-7 Steviol, S-00147
472-11-7 5-Spirostene-1,3-diol; (1β,3β,25*R*)-*form*, *in* S-00128
472-93-5 γ-Carotene, C-00089
473-30-3 Thiazolsulfone, T-00185
473-34-7 *N*,*N*-Dichloro-4-methylbenzenesulfonamide, D-00191
473-41-6 ▷Tolbutamide sodium, *in* T-00345
473-42-7 Nitrosulfathiazole, N-00187
474-00-0 Eburnamonine; (+)-*form*, *in* E-00003
474-25-9 ▷3,7-Dihydroxy-24-cholanoic acid; (3α,5β,7α)-*form*, *in* D-00320
474-48-6 Renoxydine, *in* R-00029
474-58-8 Daucosterol, *in* S-00151
474-70-4 Isopyrocalciferol, *in* E-00105
474-86-2 ▷Equilin, E-00099
475-80-9 3,4-Methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00252
475-81-0 ▷Glaucine; (*S*)-*form*, *in* G-00028
476-66-4 ▷Ellagic acid, E-00026
477-30-5 ▷Demecolcine; (*S*)-*form*, *in* D-00062
477-32-7 ▷Visnadine, V-00057
477-58-7 Chondocurine; (+)-*form*, *in* C-00309
477-62-3 ▷Isochondodendrine, I-00182
477-80-5 Cinnofuradione, C-00373
477-93-0 Dimethoxanate, D-00397
478-43-3 4,5-Dihydroxyanthraquinone-2-carboxylic acid, D-00309
478-53-5 Morphothebaine, M-00452
478-60-4 ▷Citromycetin, C-00404
478-63-7 Norcycleanine, *in* C-00590
478-73-9 Pseudococaine, *in* C-00523
478-79-5 Khellol, K-00023
479-00-5 Ergometrinine, *in* E-00104
479-13-0 ▷Coumestrol, C-00558
479-18-5 ▷Diprophylline, D-00523
479-50-5 ▷Lucanthone, L-00110
479-68-5 Broparestrol, B-00326
479-72-1 Diphemanil (1+), D-00482
479-81-2 Bietamiverine, B-00160
479-92-5 ▷Propyphenazone, P-00519
480-17-1 3,3′,4,4′,5,7-Hexahydroxyflavan, H-00054
480-22-8 ▷1,8-Dihydroxyanthrone; Triol-*form*, *in* D-00310
480-30-8 ▷Dichloralphenazone, *in* T-00433
480-44-4 ▷5,7-Dihydroxy-4′-methoxyflavone, D-00329
480-49-9 ▷Filipin; Filipin III, *in* F-00106
480-78-4 Platyphylline, P-00372
480-82-0 Indicine, I-00057
481-30-1 ▷17-Hydroxy-4-androsten-3-one; 17α-*form*, *in* H-00111
481-39-0 ▷5-Hydroxy-1,4-naphthoquinone, H-00179
481-42-5 ▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167
481-85-6 ▷1,4-Dihydroxy-2-methylnaphthalene, D-00333
481-97-0 Oestrone; 3-Sulfo, *in* O-00031
482-15-5 ▷Isothipendyl, I-00214
482-25-7 ▷Byakangelicin; (*R*)-*form*, *in* B-00435
482-44-0 ▷Imperatorin, I-00045
482-45-1 Isoimperatorin, I-00189
482-70-2 2,7-Dimethyl-1,4-naphthoquinone, D-00434
483-03-4 3-Isoajmalicine, *in* A-00087
483-04-5 ▷Ajmalicine; (−)-*form*, *in* A-00087
483-17-0 Cephaeline; (−)-*form*, *in* C-00172
483-18-1 ▷Emetine; (−)-*form*, *in* E-00036
483-20-5 Indigotindisulfonic acid, I-00058
483-57-8 ▷6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, D-00452
483-63-6 ▷Crotamiton, C-00567
483-89-6 Nornarceine, *in* N-00051
484-23-1 ▷Dihydralazine, D-00277
484-42-4 Angiotensins; 5-L-Isoleucineangiotensin I, *in* A-00385
484-43-5 Angiotensins; 5-L-Valineangiotensin I, *in* A-00385
485-24-5 Phthalylsulfamethizole, P-00226
485-34-7 Neocinchophen, *in* M-00295
485-41-6 Sulfachrysoidine, S-00187
485-49-4 ▷Bicuculline; (+)-*form*, *in* B-00156
485-65-4 Hydrocinchonine, *in* C-00358
485-89-2 ▷3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, H-00195
486-12-4 ▷Triprolidine; (*E*)-*form*, *in* T-00529
486-16-8 ▷Carbinoxamine, C-00052
486-17-9 ▷Captodiame, C-00033
486-47-5 ▷Ethaverine, E-00150
486-56-6 Cotinine; (*S*)-*form*, *in* C-00553
486-67-9 Mercuderamide; Me ether, *in* M-00122
486-79-3 2,3-Bis(acetyloxy)benzoic acid, *in* D-00315
487-48-9 ▷*N*-Acetyl-2-hydroxybenzamide, A-00033
487-53-6 ▷Hydroxyprocaine, H-00206
487-79-6 ▷Kainic acid, K-00001
488-41-5 ▷1,6-Dibromo-1,6-dideoxymannitol; D-*form*, *in* D-00164
489-84-9 ▷7-Isopropyl-1,4-dimethylazulene, I-00204
490-46-0 3,3′,4′,5,7-Pentahydroxyflavan; (2*R*,3*R*)-*form*, *in* P-00081
490-55-1 ▷2,4-Diamino-5-phenylthiazole, D-00134
490-79-9 ▷2,5-Dihydroxybenzoic acid, D-00316
490-98-2 ▷Hydroxamethocaine, H-00104
491-26-9 Nicotine 1′-N-oxide, *in* N-00103
491-34-9 1,2,3,4-Tetrahydro-1-methylquinoline, T-00127
491-50-9 Quercimeritrin, *in* P-00082
491-80-5 5,7-Dihydroxy-4′-methoxyisoflavone, D-00330
491-92-9 ▷Pamaquine, P-00007
492-08-0 ▷Sparteine; (+)-*form*, *in* S-00110
492-18-2 ▷Mersalyl, *in* M-00122
492-39-7 ▷2-Amino-1-phenyl-1-propanol; (1*S*,2*S*)-*form*, *in* A-00308
492-41-1 ▷2-Amino-1-phenyl-1-propanol; (1*R*,2*S*)-*form*, *in* A-00308
492-85-3 4-(3-Pyridinylcarbonyl)morpholine, P-00576
493-75-4 Bialamicol, B-00150
493-76-5 Propanocaine, P-00490
493-78-7 ▷Methaphenilene, M-00170

493-80-1 Histapyrrodine, H-00078
493-92-5 ▷Prolintane, P-00473
494-03-1 ▷*N*,*N*-Bis(2-chloroethyl)-2-naphthylamine, B-00198
494-14-4 Chlordimorine, C-00201
494-79-1 ▷Melarsoprol, M-00077
495-46-5 Ornithuric acid, *in* O-00059
495-70-5 Meprylcaine, *in* A-00289
495-83-0 3-Tigloyloxytropane; 3α-*form*, *in* T-00270
495-84-1 Salinazid, S-00016
495-99-8 ▷Hydroxystilbamidine, H-00213
496-00-4 Dibrompropamidine, D-00168
496-38-8 Midamaline, M-00366
496-67-3 ▷*N*-(2-Bromo-3-methylbutanoyl)urea, B-00307
497-75-6 Dioxethedrin, D-00476
497-97-2 Phenarsone sulfoxylate, P-00146
498-71-5 5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol, H-00162
498-73-7 4-*tert*-Butyl-2-chloromercuriphenol, B-00429
498-78-2 Stearylsulfamide, S-00142
499-04-7 ▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, T-00126
499-67-2 Proxymetacaine, P-00550
500-08-3 *N*-(5-Nitro-2-thiazolyl)formamide, *in* A-00294
500-22-1 3-Pyridinecarboxaldehyde, P-00569
500-34-5 ▷β-Eucaine, *in* T-00511
500-42-5 ▷*N*-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, C-00275
500-89-0 ▷Thiambutosine, T-00173
500-92-5 ▷Chlorguanide, C-00204
500-99-2 3,5-Dimethoxyphenol, *in* B-00076
501-15-5 Epinine, E-00081
501-62-2 Phenamazoline, P-00141
501-68-8 ▷Beclamide, B-00022
502-30-7 2-Cyclopentene-1-tridecanoic acid, C-00627
502-37-4 ▷Hypoglycin *B*, H-00225
502-55-6 ▷Dixanthogen, D-00556
502-59-0 Octamylamine, O-00013
502-85-2 ▷Sodium oxybate, *in* H-00118
502-98-7 *N*,*N*″-Dichlorodiazenedicarboximidamide, D-00181
503-01-5 ▷*N*,6-Dimethyl-5-hepten-2-amine, *in* M-00256
503-49-1 ▷3-Hydroxy-3-methylpentanedioic acid, H-00170
504-03-0 ▷2,6-Dimethylpiperidine, D-00448
504-08-5 2,4-Diamino-1,3,5-triazine, D-00136
504-17-6 ▷Thiobarbituric acid, T-00192
504-29-0 ▷2-Aminopyridine, A-00325
506-21-8 9,12-Octadecadienoic acid; (*E*,*E*)-*form*, *in* O-00007
506-26-3 6,9,12-Octadecatrienoic acid; (*Z*,*Z*,*Z*)-*form*, *in* O-00009
506-89-8 Urea; B,HCl, *in* U-00011
508-52-1 ▷1,3,5,11,14,19-Hexahydroxy-20(22)-cardenolide; (1β,3β,5β,11α,14β)-*form*, *in* H-00053
508-75-8 ▷Convallotoxin, *in* T-00478
508-76-9 ▷Corchoroside A, *in* T-00478
508-77-0 ▷Cymarin, *in* T-00478
508-93-0 ▷Evomonoside, *in* D-00274
508-96-3 Hydrocortisone tebutate, *in* C-00548
508-99-6 Hydrocortisone cypionate, *in* C-00548
509-24-0 ▷Songorine, S-00100
509-37-5 Sandwicine, *in* A-00038
509-56-8 ▷Methyldihydromorphine, M-00245
509-60-4 ▷Dihydromorphine, D-00294
509-67-1 ▷Pholcodine, P-00212
509-78-4 Dimenoxadole, D-00380
509-84-2 Methethoheptazine, *in* H-00048
509-86-4 ▷Heptabarbitone, H-00027
510-53-2 Racemethorphan, *in* H-00166
510-74-7 Spiramide, S-00117
511-07-9 Ergocristinine, *in* E-00102
511-08-0 Ergocristine, E-00102
511-09-1 ▷α-Ergocryptine, E-00103
511-10-4 α-Ergocryptinine, *in* E-00103
511-12-6 ▷Dihydroergotamine, *in* E-00106
511-28-4 Vitamin D_4, V-00063
511-41-1 Diphoxazide, D-00516
511-45-5 ▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
511-46-6 Clofenetamine, C-00452
511-55-7 ▷Xenytropium bromide, *in* X-00011
511-68-2 2,2-Dimethyl-1,3,5-cyclohexanetrione, D-00427
511-70-6 ▷2-Bromo-2-ethylbutanamide, *in* B-00297
512-04-9 ▷5-Spirosten-3-ol; (3β,25*R*)-*form*, *in* S-00129
512-15-2 Cyclopentolate, C-00631
512-16-3 ▷α-Ethyl-1-hydroxycyclohexaneacetic acid, E-00193
512-35-6 Benzenesulfonic acid; Anhydride, *in* B-00075
512-48-1 ▷Diethylallylacetamide, *in* D-00251
512-85-6 ▷Ascaridole, A-00455
513-10-0 ▷Ecothiopate iodide, *in* E-00010
513-92-8 ▷Tetraiodoethylene, T-00141
514-21-6 ▷Gitaloxigenin, *in* T-00474
514-36-3 ▷Fludrocortisone acetate, *in* F-00147
514-50-1 Acebrochol, *in* D-00162
514-61-4 Normethandrone, N-00221
514-62-5 Ferruginol, F-00095
514-65-8 ▷Biperiden, B-00175
514-68-1 Oestriol succinate, *in* O-00030
514-73-8 ▷Dithiazanine iodide, *in* D-00548
515-42-4 ▷Benzenesulfonic acid; Na salt, *in* B-00075
515-43-5 Anogon, *in* D-00358
515-46-8 Benzenesulfonic acid; Et ester, *in* B-00075
515-49-1 Sulphathiourea, S-00257
515-57-1 Maleylsulfathiazole, M-00015
515-58-2 Salazosulfathiazole, S-00010
515-62-8 Sulfapyridazine, S-00208
515-64-0 ▷Sulphasomidine, S-00254
515-69-5 ▷α-Bisabolol; (6*R*,7*R*)-*form*, *in* B-00184
515-76-4 [1,2-Ethanediylbis(imino-4,1-phenylene)]bisarsonic acid; Di-Na salt, *in* E-00147
515-78-6 ▷*N*-(Carbamoylmethyl)arsanilic acid, C-00041
516-15-4 ▷Pregn-4-ene-3,11,20-trione, P-00417
516-21-2 ▷Cycloguanil, C-00603
516-35-8 Taurochenodeoxycholic acid, *in* D-00320
516-95-0 3-Cholestanol; (3α,5α)-*form*, *in* C-00305
517-06-6 Isoestrone, *in* O-00031
517-09-9 ▷Equilenin, E-00098
517-18-0 ▷Methallenoestril, M-00164
518-20-7 Cyclocoumarol, C-00599
518-28-5 ▷Podophyllotoxin, P-00377
518-34-3 ▷Tetrandrine; (+)-*form*, *in* T-00152
518-47-8 ▷Fluorescein sodium, *in* F-00180
518-48-9 Podophyllic acid, P-00376
518-61-6 ▷10-[(Dimethylamino)acetyl]-10*H*-phenothiazine, D-00403
518-63-8 ▷Cothera, *in* D-00397
518-67-2 Trypadine, *in* D-00460
518-75-2 ▷Citrinin, C-00403
518-94-5 Cycleanine; (−)-*form*, *in* C-00590
519-23-3 ▷Ellipticine, E-00027
519-30-2 Dimethazan, D-00389
519-37-9 ▷Etofylline, E-00253
519-88-0 ▷Ambucetamide, A-00173
519-95-9 Florantyrone, F-00121
520-07-0 ▷Antipyrine salicylate, *in* D-00284
520-20-7 Darstine, *in* M-00098
520-27-4 Diosmin, *in* T-00476
520-34-3 3′,5,7-Trihydroxy-4′-methoxyflavone, T-00476
520-52-5 ▷Psilocybine, *in* D-00411
520-53-6 ▷3-(2-Dimethylaminoethyl)-4-hydroxyindole, D-00411
520-85-4 ▷17-Hydroxy-6-methyl-4-pregnene-3,20-dione; (6α,17α)-*form*, *in* H-00175
521-04-0 7-Dehydro-β-sitosterol, *in* S-00151
521-10-8 ▷17-Methylandrost-5-ene-3,17-diol, M-00225
521-11-9 ▷Mestanolone, M-00136
521-12-0 Drostanolone propionate, *in* H-00153
521-17-5 ▷Androst-5-ene-3,17-diol; (3β,17β)-*form*, *in* A-00383
521-18-6 ▷17-Hydroxy-3-androstanone; (5α,17β)-*form*, *in* H-00109
521-35-7 ▷Cannabinol, C-00026
521-74-4 ▷5,7-Dibromo-8-hydroxyquinoline, D-00167
521-78-8 ▷Trimipramine maleate, *in* T-00516
522-00-9 ▷Ethopropazine, E-00160

522-12-3 ▷Quercitrin, *in* P-00082
522-18-9 Chlorbenzoxamine, C-00196
522-20-3 6-Chloro-9-[[3-(diethylamino)-2-hydroxypropyl]-amino]-2-methoxyacridine, C-00229
522-23-6 ▷Perphenazine; 3,4,5-Trimethoxybenzoyl, difumarate, *in* P-00129
522-24-7 ▷10-[2-(Dimethylamino)ethyl]phenothiazine, D-00412
522-25-8 ▷Pyrrolazote, *in* P-00597
522-40-7 ▷Fosfestrol, *in* D-00257
522-51-0 ▷Dequalinium chloride, *in* D-00088
522-60-1 ▷6′-Ethoxy-10,11-dihydrocinchonan-9-ol, E-00163
522-66-7 Hydroquinine, *in* Q-00028
522-70-3 ▷Antimycin *A*; Antimycin A_3, *in* A-00415
522-80-5 Pseudoreserpine, *in* R-00029
522-87-2 Yohimbic acid, Y-00001
523-38-6 Vitamin K_2; Vitamin K_2(40), *in* V-00065
523-39-7 Vitamin K_2; Vitamin K_2(45), *in* V-00065
523-40-0 Vitamin K_2; Vitamin K_2(50), *in* V-00065
523-54-6 Etymemazine, E-00266
523-68-2 4-Acetamido-2-methyl-1-naphthol, *in* A-00285
523-87-5 ▷Diphenhydramine teoclate, *in* D-00484
524-17-4 ▷Dauricine, D-00020
524-34-5 Allylcinchophen, *in* P-00206
524-36-7 ▷Pyridoxamine; B,2HCl, *in* P-00580
524-63-0 Cupreine, C-00574
524-81-2 Mebhydrolin, M-00035
524-83-4 ▷Ethybenztropine, E-00172
524-84-5 ▷Dimethylthiambutene, D-00455
524-99-2 Medrylamine, M-00059
525-01-9 4-[2-(Diphenylmethoxy)ethyl]morpholine, D-00496
525-02-0 ▷Benanserin; B,HCl, *in* B-00036
525-26-8 Cloperidone hydrochloride, *in* C-00483
525-30-4 Mercuderamide, M-00122
525-61-1 ▷Quinocide, Q-00029
525-66-6 ▷Propranolol, P-00514
525-94-0 ▷Penicillin *N*, P-00066
526-08-9 ▷Sulphaphenazole, S-00250
526-18-1 ▷Osalmid, O-00066
526-35-2 Aloxidone, A-00143
526-36-3 ▷Xylometazoline, X-00023
526-94-3 Tartaric acid; (2*R*,3*R*)-*form*, Mono-Na salt, *in* T-00028
526-95-4 Gluconic acid; D-*form*, *in* G-00055
527-73-1 ▷2-Nitro-1*H*-imidazole, N-00179
527-75-3 ▷Erythromycin *B*, E-00116
527-89-9 2-Hydroxydithiobenzoic acid, H-00127
528-43-8 Magnolol, M-00012
529-08-8 2-Isopropyl-4,8-dimethylazulene, I-00203
529-51-1 3,3′,4′,7-Tetrahydroxy-5-methoxyflavone, *in* P-00082
529-68-0 2-Acetoxybenzoic acid; Et ester, *in* A-00026
529-84-0 6,7-Dihydroxy-4-methyl-2*H*-1-benzopyran-2-one, D-00332
529-91-9 ▷Trichocereine, *in* M-00131
529-96-4 Pyridoxamine 5′-phosphate, P-00581
530-08-5 Isoetharine, I-00185
530-10-9 Bronchodilator 1313, *in* P-00158
530-35-8 ▷Etafedrine; (1*R*,2*S*)-*form*, B,HCl, *in* E-00133
530-43-8 ▷Chloramphenicol palmitate, *in* C-00195
530-54-1 Methoxyphedrine, M-00210
530-73-4 Sulfanthrol, S-00205
530-75-6 Acetylsalicylsalicylic acid, *in* S-00015
530-78-9 ▷Flufenamic acid, F-00148
531-59-9 7-Methoxy-2*H*-1-benzopyran-2-one, *in* H-00114
531-72-6 ▷Arsenamide, A-00450
531-76-0 ▷Melphalan; (±)-*form*, *in* M-00084
532-03-6 ▷Methocarbamol, *in* G-00095
532-34-3 ▷Butopyronoxyl, B-00416
532-49-0 ▷Dibutoline(1+); Sulfate (2:1), *in* D-00171
532-59-2 ▷Amyleine, *in* A-00374
532-76-3 ▷Hexylcaine hydrochloride, *in* A-00318
532-77-4 1-(Cyclohexylamino)-2-propanol benzoate, *in* A-00318
532-90-1 Monophosphothiamine chloride, *in* T-00174
533-08-4 3-Tigloyloxytropane; 3β-*form*, *in* T-00270
533-08-4 Tropigline, T-00553
533-22-2 Hydroxystilbamidine isethionate, *in* H-00213
533-28-8 ▷Piperocaine; (±)-*form*, B,HCl, *in* P-00292
533-45-9 ▷5-(2-Chloroethyl)-4-methylthiazole, C-00238
533-74-4 ▷Fennosan B-100, *in* T-00135
534-33-8 ▷Acetylarson, *in* A-00271
534-84-9 ▷2-(1-Piperidinylmethyl)cyclohexanone, P-00288
535-51-3 Phenarsone sulfoxylate; Di-Na salt, *in* P-00146
535-65-9 ▷Glybuthiazol, G-00062
536-21-0 ▷2-Amino-1-(3-hydroxyphenyl)ethanol, A-00272
536-24-3 Ethylnorepinephrine, E-00212
536-25-4 ▷Orthocaine, *in* A-00263
536-29-8 ▷(3-Amino-4-hydroxyphenyl)arsinous dichloride; B,HCl, *in* A-00270
536-33-4 ▷2-Ethyl-4-pyridinecarbothioamide, E-00220
536-43-6 ▷Dyclonine hydrochloride, *in* D-00623
536-69-6 ▷5-Butyl-2-pyridinecarboxylic acid, B-00432
536-71-0 1,3-Bis(4-amidinophenyl)triazene, B-00187
536-93-6 Eucatropine hydrochloride, *in* E-00267
537-17-7 Amanozine, A-00162
537-21-3 Chlorproguanil, C-00297
537-29-1 Norhyoscyamine, *in* T-00554
537-61-1 ▷Cyclomethycaine; B,HCl, *in* C-00625
538-03-4 ▷Mapharsen, *in* O-00135
538-71-6 ▷Domiphen bromide, *in* D-00567
539-08-2 *N*-(4-Ethoxyphenyl)-2-hydroxypropanamide, *in* H-00207
539-21-9 ▷Ambazone, A-00166
539-35-5 ▷Acidomycin, A-00039
541-14-0 Carnitine; (*S*)-*form*, *in* C-00084
541-15-1 ▷Carnitine; (*R*)-*form*, *in* C-00084
541-20-8 ▷Pentamethonium bromide, *in* P-00084
541-22-0 ▷Decamethonium bromide, *in* D-00036
541-64-0 ▷Furtrethonium iodide, *in* F-00282
541-66-2 ▷Oxapropanium iodide, *in* O-00091
541-79-7 Carbocloral, *in* T-00438
542-76-7 ▷3-Chloropropanoic acid; Nitrile, *in* C-00279
543-15-7 ▷Heptamyl, *in* H-00029
543-18-0 Guanidotaurine, G-00112
543-82-8 ▷6-Methyl-2-heptylamine, M-00257
544-31-0 Palmidrol, P-00006
544-62-7 ▷2,3-Dihydroxy-1-octadecyloxypropane, D-00337
545-26-6 ▷3,14,16-Trihydroxy-20(22)-cardenolide; (3β,5β,14β,16β)-*form*, *in* T-00474
545-27-7 Gitoroside, *in* T-00474
545-49-3 ▷Rhodexin A, *in* T-00473
545-59-5 Moramide; (±)-*form*, *in* M-00437
545-74-4 Ipral (old form), *in* P-00443
545-80-2 Poldine methylsulfate, *in* P-00378
545-90-4 Methadol, M-00162
545-91-5 ▷Hepagin, *in* P-00138
545-93-7 ▷5-(2-Bromoallyl)-5-isopropylbarbituric acid, B-00291
546-06-5 ▷Conessine, C-00540
546-32-7 Oxpheneridine, O-00143
546-88-3 ▷*N*-Hydroxyacetamide, H-00106
546-93-0 ▷Magnesium carbonate, M-00006
547-07-9 ▷Sarnovide, *in* T-00473
547-17-1 Helenien, *in* L-00115
547-32-0 ▷Solu-Diazine, *in* S-00237
547-44-4 ▷Sulfanilylurea, S-00203
547-81-9 1,3,5(10)-Oestratrien-3,16β,17β-triol, *in* O-00030
547-91-1 ▷8-Hydroxy-7-iodo-5-quinolinesulfonic acid, H-00143
548-00-5 ▷Ethyl biscoumacetate, *in* B-00219
548-54-9 ▷Violacein, V-00049
548-57-2 ▷Lucanthone hydrochloride, *in* L-00110
548-62-9 ▷Gentian violet, *in* B-00209
548-66-3 ▷Drofenine; (±)-*form*, B,HCl, *in* D-00606
548-68-5 ▷Thiphenamil hydrochloride, *in* T-00215
548-73-2 ▷Droperidol, D-00608
548-84-5 ▷Pyrvinium chloride, *in* V-00052
549-18-8 ▷Tryptizol, *in* N-00224
549-28-0 Protostephanine, P-00542
549-40-6 Furostilbestrol; (*E*)-*form*, *in* F-00297
549-68-8 Octaverine, O-00019
550-01-6 Metabutoxycaine; B,HCl, *in* M-00144

550-24-3 ▷2,5-Dihydroxy-3-undecyl-1,4-benzoquinone, D-00356
550-28-7 ▷Amisometradine, A-00346
550-34-5 Naphthocaine, *in* A-00292
550-70-9 ▷Triprolidine hydrochloride, *in* T-00529
550-73-2 ▷3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline, M-00267
550-81-2 ▷Amopyroquine, A-00358
550-83-4 ▷Propoxycaine hydrochloride, *in* P-00511
550-99-2 ▷Naphazoline hydrochloride, *in* N-00041
551-11-1 ▷9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*Z*,8*R*,9*S*,11*R*,12*S*,13*E*,15*S*)-*form*, *in* T-00483
551-16-6 ▷6-Aminopenicillanic acid, A-00295
551-27-9 Propicillin, P-00501
551-35-9 ▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
551-36-0 Hydroxyprocaine; B,HCl, *in* H-00206
551-48-4 Guanoclor sulfate, *in* G-00114
551-74-6 ▷Mannomustine dihydrochloride, *in* M-00019
551-92-8 ▷1,2-Dimethyl-5-nitro-1*H*-imidazole, D-00435
552-25-0 ▷Diampromide, D-00142
552-79-4 2-Dimethylamino-1-phenyl-1-propanol; (1*R*,2*S*)-*form*, *in* D-00418
552-92-1 Toloconium metilsulfate, *in* T-00357
552-94-3 ▷Salicyloylsalicylic acid, S-00015
553-08-2 Thonzonium bromide, *in* T-00217
553-12-8 Protoporphyrin, P-00541
553-13-9 Zolamine, Z-00027
553-30-0 ▷3,6-Diaminoacridine; B,H_2SO_4, *in* D-00120
553-53-7 ▷3-Pyridinecarboxylic acid; Hydrazide, *in* P-00571
553-58-2 ▷Unacaine, *in* M-00143
553-63-9 Dimethocaine; B,HCl, *in* D-00394
553-65-1 Amoxecaine, A-00363
553-68-4 ▷Dentocain, *in* M-00299
553-69-5 ▷Phenyramidol, P-00211
554-13-2 ▷Lithium carbonate, L-00058
554-18-7 ▷Glucosulfone, G-00057
554-18-7 ▷Glucosulfone; D-*form*, Di-Na salt, *in* G-00057
554-24-5 ▷Phenobutiodil, P-00160
554-57-4 ▷Methazolamide, M-00176
554-71-2 3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358
554-72-3 Glyphenarsine, *in* C-00041
554-76-7 ▷4-Aminobenzenestibonic acid, A-00212
554-92-7 ▷Trimethobenzamide hydrochloride, *in* T-00500
554-99-4 ▷N-Methyladrenaline, *in* A-00075
555-57-7 ▷Pargyline, P-00037
555-65-7 ▷Brocresine, B-00275
555-77-1 ▷Tris(2-chloroethyl)amine, T-00534
555-84-0 ▷Nifuradene, N-00115
555-90-8 ▷2-(3-Pyridinylmethylene)hydrazinecarbothioamide, *in* P-00569
556-08-1 Acedoben, *in* A-00216
556-12-7 ▷Furalazine, F-00280
556-18-3 ▷4-Aminobenzaldehyde, A-00210
556-21-8 4-Aminobenzaldehyde; N-Me, *in* A-00210
556-89-8 ▷Nitrourea, N-00188
557-17-5 ▷1-Methoxypropane, M-00214
560-67-8 Hongkelin, *in* D-00274
561-10-4 Isomethadone; (*S*)-*form*, *in* I-00193
561-27-3 ▷Heroin, H-00034
561-43-3 ▷Oxypyrronium bromide, *in* O-00163
561-48-8 4,4-Diphenyl-6-(1-piperidinyl)-3-hexanone, D-00510
561-76-2 Properidine, P-00498
561-77-3 Dihexyverine, D-00276
561-79-5 ▷Metcaraphen, M-00158
561-83-1 Nealbarbitone, N-00055
561-86-4 Brallobarbital, B-00265
562-09-4 ▷Chlorphenoxamine hydrochloride, *in* C-00294
562-10-7 ▷Doxylamine succinate, *in* D-00598
562-26-5 Phenoperidine, P-00165
564-25-0 ▷6-Deoxy-5-hydroxytetracycline; 6α-*form*, *in* D-00080
564-36-3 ▷Ergocornine, E-00101
564-37-4 Ergocorninine, *in* E-00101
565-33-3 ▷Metahexamide, M-00146
565-48-0 4-Hydroxy-α,α,4-trimethylcyclohexanemethanol; *cis*-*form*, *in* H-00216
565-50-4 4-Hydroxy-α,α,4-trimethylcyclohexanemethanol; *trans*-*form*, *in* H-00216
565-99-1 ▷3-Hydroxy-11,20-pregnanedione; (3α,5β)-*form*, *in* H-00200
566-24-5 3,7-Dihydroxy-24-cholanoic acid; (3β,5β,7α)-*form*, *in* D-00320
566-78-9 Prebediolone acetate, *in* H-00205
567-83-9 Bis[4-hydroxy-2-oxo-2*H*-1-benzopyran-3-yl]acetic acid, B-00219
568-69-4 ▷Aminoxytriphene; B,HCl, *in* A-00341
569-57-3 ▷Chlorotrianisene, C-00290
569-59-5 ▷Nolahist, *in* P-00156
569-65-3 ▷Meclozine, M-00051
569-84-6 Antipyrine acetylsalicylate, *in* D-00284
570-36-5 Fluprednisolone acetate, *in* F-00208
571-24-4 17-Hydroxy-3-androstanone; (5α,17α)-*form*, *in* H-00109
571-41-5 ▷17-Hydroxy-4-androsten-3-one; (9β,10α,17β)-*form*, *in* H-00111
572-59-8 Epiquinidine, *in* Q-00027
572-60-1 Epiquinine, *in* Q-00028
572-97-4 Lapinone, L-00009
573-01-3 Kapilon soluble, *in* M-00087
573-20-6 ▷Acetomenaphthone, *in* D-00333
573-35-3 *myo*-Inositol; 1-Phosphate, *in* I-00074
573-41-1 ▷Theopylline olamine, *in* T-00169
573-58-0 ▷Congo Red; Di-Na salt, *in* C-00541
574-13-0 Cupron, *in* B-00093
574-25-4 ▷6-Thioinosine, T-00204
574-64-1 Trypan red; Penta-Na salt, *in* T-00564
574-77-6 Papaveroline, P-00020
574-95-8 Aureothricin, A-00477
575-74-6 Buclosamide, B-00340
575-75-7 Tonophosphan, *in* T-00347
575-82-6 Methoxymethyl salicylate, *in* H-00112
576-68-1 ▷Mannomustine, M-00019
577-11-7 ▷Docusate sodium, *in* B-00210
577-48-0 Butamben picrate, *in* A-00216
577-91-3 ▷Iodoalphionic acid, I-00100
578-06-3 ▷1-Aminoacridine, A-00201
578-07-4 ▷4-Aminoacridine, A-00204
578-89-2 Pimetremide, P-00259
579-23-7 ▷2,6-Bis(4-hydroxy-3-methoxybenzylidene)cyclohexanone, B-00218
579-38-4 Diloxanide, D-00372
579-44-2 Benzoin; (±)-*form*, *in* B-00093
579-56-6 ▷Isoxsuprine hydrochloride, *in* I-00218
579-58-8 4-Aminophenol; *N*-Me, Ac, *in* A-00298
579-75-9 2-Methoxybenzoic acid, M-00196
579-93-1 2-Benzamidobenzoic acid, *in* A-00215
579-94-2 Menglytate, M-00090
580-02-9 2-Acetoxybenzoic acid; Me ester, *in* A-00026
580-74-5 ▷Xanthocillin *X*, X-00005
581-28-2 ▷2-Aminoacridine, A-00202
581-29-3 ▷3-Aminoacridine, A-00203
581-88-4 ▷Debrisoquine sulfate, *in* D-00033
582-22-9 ▷2-Phenyl-1-propylamine, P-00203
582-24-1 2-Hydroxyacetophenone, H-00107
582-80-9 4-Aminobenzoic acid; *N*-Benzoyl, *in* A-00216
582-84-3 Synephrine; (±)-*form*, *in* S-00286
583-03-9 ▷1-Phenyl-1-pentanol, P-00194
583-08-4 Nicotinuric acid, N-00104
584-18-9 Acetomeroctol, A-00024
584-69-0 Ditophal, D-00553
584-79-2 ▷Allethrin, A-00124
585-14-8 Poskine, P-00390
585-23-9 Albizziine, A-00098
586-06-1 ▷Orciprenaline, O-00053
586-60-7 Dyclonine, D-00623
586-98-1 ▷2-Pyridinemethanol, P-00572
587-23-5 Hexamethylenamine mandelate, *in* H-00057
587-45-1 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-00248
587-46-2 ▷Benzpyrinium bromide, *in* B-00101
587-49-5 Salfluverine, S-00014
587-61-1 ▷Propyliodone, *in* D-00363
587-90-6 *N*,*N*′-Bis(4-nitrophenyl)urea, B-00231
588-42-1 ▷Trolnitrate phosphate, *in* T-00538

590-31-8 Meprochol, *in* M-00216
590-46-5 Betaine hydrochloride, *in* B-00140
590-63-6 ▷Duvoid, *in* B-00143
591-07-1 *N*-Aminocarbonylacetamide, *in* U-00011
591-27-5 ▷3-Aminophenol, A-00297
591-62-8 ▷Ethyl butylcarbamate, E-00176
591-81-1 4-Hydroxybutanoic acid, H-00118
595-21-1 ▷Strospeside, *in* T-00474
595-32-4 1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid; (1*R*,3*R*)-*form*, *in* T-00508
595-33-5 ▷Megestrol acetate, *in* H-00174
595-52-8 Descinolone, D-00092
595-77-7 Algestone, A-00114
596-50-9 Poldine, P-00378
596-58-7 Bisinomenine, *in* S-00079
597-71-7 Normosterol, *in* P-00077
599-33-7 Prednylidene, P-00414
599-54-2 Pantothenic acid; (±)-*form*, *in* P-00016
599-61-1 ▷3,3′-Diaminodiphenyl sulfone, D-00128
599-79-1 ▷Sulphasalazine, S-00253
599-88-2 Sulfaperin, S-00206
601-63-8 Nandrolone cipionate, *in* H-00185
602-40-4 Cyheptropine, *in* D-00282
602-41-5 ▷Thiocolchicoside, T-00199
603-00-9 ▷Proxyphylline, P-00551
603-50-9 ▷Bisacodyl, B-00186
603-64-5 Antipyrine mandelate, *in* D-00284
604-09-1 17-Hydroxy-4-pregnene-3,20-dione; 17α-*form*, *in* H-00202
604-35-3 Cholesterol; Ac, *in* C-00306
604-51-3 Deptropine, D-00087
604-58-0 ▷Equilenin; (+)-*form*, Benzoyl, *in* E-00098
604-74-0 Bufenadrine, B-00347
604-75-1 ▷Oxazepam, O-00096
605-91-4 ▷Pinacyanol, *in* E-00190
606-05-3 Bromth, *in* M-00108
606-17-7 Iodipamide, I-00097
606-45-1 2-Methoxybenzoic acid; Me ester, *in* M-00196
606-90-6 ▷Diphenylpyraline 8-chlorotheopyllinate, *in* D-00514
608-07-1 ▷5-Methoxytryptamine, *in* H-00218
608-16-2 Biotin; (+)-*form*, Me ester, *in* B-00173
608-68-4 Dimethyl tartrate, *in* T-00028
608-73-1 ▷1,2,3,4,5,6-Hexachlorocyclohexane, H-00038
609-06-3 Xylose; L-*form*, *in* X-00024
609-78-9 ▷Cycloguanil embonate, *in* C-00603
610-60-6 Methyl 2-hydroxybenzoate; Benzoyl, *in* M-00261
611-20-1 2-Cyanophenol, *in* H-00112
611-53-0 Ibacitabine, I-00001
611-75-6 ▷Bromhexine hydrochloride, *in* B-00289
612-16-8 2-Methoxybenzyl alcohol, *in* H-00116
614-12-0 Dibutoline(1+); Iodide, *in* D-00171
614-18-6 3-Pyridinecarboxylic acid; Et ester, *in* P-00571
614-35-7 Synephrine; (*R*)-*form*, *in* S-00286
614-39-1 Procainamide hydrochloride, *in* P-00446
614-42-6 ▷Naepaine; B,HCl, *in* N-00008
614-87-9 Dibromopropamidine isethionate, *in* D-00168
616-29-5 ▷1,3-Diamino-2-propanol, D-00135
616-30-8 ▷3-Amino-1,2-propanediol, A-00317
616-68-2 ▷Trimecaine, T-00492
616-91-1 ▷*N*-Acetylcysteine; (*R*)-*form*, *in* A-00031
616-96-6 Cetotiamine hydrochloride, JAN, *in* T-00174
617-19-6 2,6-Diamino-2′-butyloxy-3,5′-azopyridine, D-00121
617-89-0 ▷2-Furanmethanamine, F-00282
618-27-9 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*S*,4*S*)-*form*, *in* H-00210
618-28-0 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*RS*,4*SR*)-*form*, *in* H-00210
618-32-6 Benzoyl bromide, *in* B-00092
618-38-2 Benzoyl iodide, *in* B-00092
618-47-3 *m*-Toluamide, *in* M-00230
618-71-3 3,5-Dinitrobenzoic acid; Et ester, *in* D-00468
618-82-6 ▷Sulfarsphenamine, *in* D-00127
619-45-4 4-Aminobenzoic acid; Me ester, *in* A-00216
619-57-8 4-Hydroxybenzamide, *in* H-00113
619-60-3 ▷4-Hydroxydimethylaniline, *in* A-00298
619-84-1 ▷4-Aminobenzoic acid; *N*-Di-Me, *in* A-00216
619-84-1 ▷4-(Dimethylamino)benzoic acid, D-00405
619-86-3 4-Ethoxybenzoic acid, *in* H-00113
620-22-4 ▷1-Cyano-3-methylbenzene, *in* M-00230
620-30-4 2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid; (±)-*form*, *in* A-00273
620-59-7 3,5-Diiodotyrosine; (±)-*form*, *in* D-00365
621-23-8 ▷1,3,5-Trimethoxybenzene, *in* B-00076
621-34-1 *m*-Ethoxyphenol, *in* B-00073
621-42-1 ▷3-Acetamidophenol, *in* A-00297
621-72-7 ▷2-Benzylbenziimidazole, B-00107
622-61-7 1-Chloro-4-ethoxybenzene, *in* C-00260
622-62-8 4-Ethoxyphenol, *in* B-00074
622-78-6 ▷Benzyl isothiocyanate, B-00122
622-93-5 3-Amino-1-propanol; *N*-Di-Et, *in* A-00319
623-12-1 1-Chloro-4-methoxybenzene, *in* C-00260
623-32-5 Antileprol, *in* C-00627
623-66-5 Octanoic acid; Anhydride, *in* O-00014
623-78-9 ▷Ethyl *N*-ethylcarbamate, E-00189
624-45-3 4-Oxopentanoic acid; Me ester, *in* O-00134
624-49-7 ▷Fumaric acid; Di-Me ester, *in* F-00274
625-36-5 ▷3-Chloropropanoic acid; Chloride, *in* C-00279
625-44-5 1-Methoxy-2-methylpropane, M-00204
625-50-3 ▷*N*-Ethylacetamide, E-00173
625-57-0 *O*-Ethyl carbamothioate, *in* T-00196
627-02-1 1-Ethoxy-2-methylpropane, E-00167
627-63-4 ▷Fumaroyl chloride, *in* F-00274
627-64-5 Fumaric acid; Diamide, *in* F-00274
629-01-6 Octanoic acid; Amide, *in* O-00014
629-22-1 2-Hydroxyoctadecanoic acid, H-00184
630-55-7 Hexacamphamine, *in* H-00057
630-56-8 ▷Hydroxyprogesterone hexanoate, *in* H-00202
630-60-4 ▷Ouabain, *in* H-00053
630-64-8 ▷Erysimine, *in* T-00478
630-67-1 Prednisolone *m*-sulfobenzoate sodium, *in* P-00412
630-93-3 ▷Phenytoin sodium, *in* D-00493
631-06-1 ▷Dexoxadrol hydrochloride, *in* D-00472
631-07-2 ▷5-Ethyl-5-phenyl-2,4-imidazolinedione, E-00215
631-27-6 ▷Glyclopyramide, G-00068
632-00-8 Sulphasomizole, S-00255
632-73-5 ▷Iodophthalein sodium, *in* T-00142
633-47-6 Cropropamide, C-00566
633-59-0 ▷Sordinol, *in* C-00481
633-66-9 ▷Berberine; Sulfate, *in* B-00135
633-72-7 Pyridoxine; 5-Me ether, *in* P-00582
633-90-9 Cytidine 2′,3′-phosphate, C-00656
634-03-7 ▷Phendimetrazine, *in* M-00290
634-63-9 Tartaric acid; (2*R*,3*R*)-*form*, Diamide, *in* T-00028
634-97-9 1*H*-Pyrrole-2-carboxylic acid, P-00596
635-05-2 ▷Pamaquine; (±)-*form*, Embonate (1:1), *in* P-00007
635-32-5 Pentapiperide fumarate, *in* P-00091
635-41-6 ▷4-(3,4,5-Trimethoxybenzoyl)morpholine, T-00502
636-00-0 5-(2-Aminoethyl)-1,2,4-benzenetriol; B,HBr, *in* A-00255
636-47-5 ▷Distamycin *A*, D-00539
636-54-4 Clopamide; *cis*-*form*, *in* C-00480
636-78-2 4-Sulfobenzoic acid, S-00217
636-79-3 3-Pyridinecarboxylic acid; B,HCl, *in* P-00571
636-87-3 2-Amino-1-(3-hydroxyphenyl)ethanol; (*R*)-*form*, B,HCl, *in* A-00272
637-21-8 Homatropine; (±)-*form*, B,HCl, *in* H-00082
637-39-8 Tris(2-hydroxyethyl)amine; B,HCl, *in* T-00536
637-58-1 ▷Proxazocaine hydrochloride, *in* P-00398
637-95-6 Taurine; *N*,*N*-Di-Me, *in* T-00030
637-98-9 *S*-Ethyl carbamothioate, *in* T-00196
638-23-3 ▷*S*-Carboxymethylcysteine, C-00065
638-23-3 ▷Carbocisteine, *in* C-00654
638-94-8 ▷Desonide, D-00101
639-48-5 ▷Nicomorphine, N-00101
639-81-6 Ergotaminine, *in* E-00106
640-60-8 4-Methylbenzenesulfonic acid; Ph ester, *in* M-00228
640-79-9 Glycochenodeoxycholic acid, *in* D-00320
640-87-9 17,21-Dihydroxy-4-pregnene-3,20-dione; 17α-*form*, 21-Ac, *in* D-00349

641-35-0 BS 7161*D*, *in* P-00601
641-36-1 ▷Apocodeine, *in* A-00425
642-00-2 1,2,3,4,5,6-Hexa-*O*-acetyl-D-mannitol, *in* M-00018
642-15-9 ▷Antimycin *A*; Antimycin A_1, *in* A-00415
642-17-1 Ajmalicine; 3*β*,19*α*,20*α*-*form*, *in* A-00087
642-44-4 ▷Aminometradine, A-00291
642-72-8 ▷Benzydamine, B-00105
642-81-9 ▷4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione; (1*R*,3*S*,5*S*,*αR*)-*form*, *in* D-00441
642-83-1 ▷Aceglatone, *in* G-00053
643-01-6 Mannitol; L-*form*, *in* M-00018
643-22-1 ▷Erythromycin stearate, *in* E-00115
644-26-8 ▷Amylocaine, A-00374
644-62-2 ▷Meclofenamic acid, M-00045
644-64-4 ▷Dimetilan, D-00457
644-87-1 Mercaptobutanedioic acid; (±)-*form*, *in* M-00115
645-05-6 ▷Tris(dimethylamino)-1,3,5-triazine, T-00535
645-43-2 ▷Guanethidine monosulfate, *in* G-00102
646-02-6 2-Aminoethanol nitrate, A-00254
651-06-9 ▷Sulphamethoxydiazine, S-00245
651-48-9 3-(Sulfooxy)androst-5-en-17-one, *in* H-00110
652-37-9 Acefylline, A-00011
652-67-5 ▷1,4:3,6-Dianhydroglucitol; D-*form*, *in* D-00144
653-03-2 ▷Butaperazine, B-00394
655-05-0 ▷2-(Dimethylamino)-5-phenyl-4(5*H*)-oxazolone, D-00417
655-35-6 ▷Chromonar hydrochloride, *in* C-00312
657-24-9 ▷*N*,*N*-Dimethylimidodicarbonimidic diamide, D-00432
658-48-0 2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid, A-00273
659-40-5 Desomedine, *in* H-00058
663-93-4 Escholerine, *in* P-00543
664-95-9 ▷Glycyclamide, G-00071
665-46-3 Tetraethylammonium(1+); Fluoride, *in* T-00111
665-66-7 ▷Amantadine hydrochloride, JAN, *in* A-00206
668-37-1 ▷Sipasyl, *in* D-00235
668-56-4 Testosterone nicotinate, *in* H-00111
671-16-9 ▷Procarbazine, P-00448
671-88-5 Disulphamide, D-00543
671-95-4 ▷Clofenamide, *in* C-00215
672-87-7 2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid; (*S*)-*form*, *in* A-00273
673-31-4 ▷Phenprobamate, *in* P-00201
673-49-4 N-Acetylhistamine, *in* H-00077
673-50-7 ▷N-Methylhistamine, *in* H-00077
674-38-4 Bethanechol(1+), B-00143
679-84-5 ▷3-Bromo-1,1,2,2-tetrafluoropropane, B-00320
679-90-3 2-Bromo-1,1,2-trifluoro-1-methoxyethane, B-00321
683-63-6 Thiocarbamic acid; *O*-Me ester, *in* T-00196
686-07-7 ▷Diethyldithiocarbamic acid; Me ester, *in* D-00244
692-13-7 ▷1-Butylbiguanide, B-00428
692-86-4 ▷10-Undecenoic acid; Et ester, *in* U-00008
693-11-8 4-Dimethylaminobutanoic acid, *in* A-00221
698-63-5 ▷5-Nitro-2-furancarboxaldehyde, N-00177
701-54-2 4-(Aminomethyl)cyclohexanecarboxylic acid, A-00281
701-56-4 4-Dimethylaminanisole, *in* A-00298
702-54-5 ▷Diethadione, D-00226
709-55-7 ▷Etilefrine, *in* A-00272
711-72-8 3-Methyl-2-phenylmorpholine; (2*R*,3*S*)-*form*, *N*-Me, *in* M-00290
720-76-3 Fluminorex, F-00162
720-98-9 4-Aminophenol; *O*-Benzoyl, *in* A-00298
721-19-7 ▷Methastyridone, M-00175
721-50-6 Prilocaine, P-00432
723-42-2 4-Methyl-*N*,*N*-dipropylbenzenesulfonamide, *in* M-00228
723-46-6 ▷Sulphamethoxazole, S-00244
728-88-1 ▷Tolperisone, T-00364
729-99-7 ▷Sulphamoxole, S-00248
730-07-4 Propetamide, P-00499
730-68-7 Thiogenal, *in* M-00184
731-40-8 ▷2-Phthalimidoglutarimide; (±)-*form*, *in* P-00223
732-11-6 ▷Phosmet, P-00213
735-52-4 ▷Cetophenicol; (1′*R*,2′*R*)-*form*, *in* C-00185
735-64-8 Fenamifuril, F-00035
737-31-5 ▷Diatrizoate sodium, *in* D-00138
738-70-5 ▷Trimethoprim, T-00501
739-71-9 ▷Trimipramine, T-00516
742-20-1 ▷Cyclopenthiazide, C-00630
744-80-9 ▷1-Benzoyl-5-ethyl-5-phenylbarbituric acid, *in* E-00218
745-62-0 ▷9,11,15-Trihydroxyprost-13-enoic acid; (8*R*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* T-00484
745-65-3 ▷11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*R*,11*R*,12*R*,13*E*,15*S*)-*form*, *in* D-00341
747-30-8 Aminophenazone cyclamate, *in* A-00327
747-36-4 Hydroxychloroquine sulfate, *in* H-00120
748-44-7 Acoxatrine, A-00047
749-02-0 ▷Spiperone, S-00115
749-13-3 ▷Trifluperidol, T-00468
751-84-8 ▷Benethamine penicillin, *in* B-00126
751-94-0 ▷Fusidate sodium, *in* F-00303
751-97-3 ▷Rolitetracycline, R-00078
752-13-6 Riboflavine; 2′,3′,4′,5′-Tetra-Ac, *in* R-00038
752-56-7 Riboflavine 2′,3′,4′,5′-tetrabutanoate, *in* R-00038
752-61-4 ▷Digitalin, *in* T-00474
764-17-0 ▷2-Amino-6-diazo-5-oxohexanoic acid, A-00238
764-42-1 ▷Fumaronitrile, *in* F-00274
766-17-6 2,6-Dimethylpiperidine; (2*RS*,6*SR*)-*form*, *in* D-00448
767-00-0 ▷4-Hydroxybenzonitrile, *in* H-00113
768-94-5 ▷1-Aminoadamantane, A-00206
769-42-6 1,3-Dimethylbarbituric acid, *in* P-00586
770-00-3 Pyrazinecarboxylic acid; Me ester, 4-oxide, *in* P-00560
770-05-8 Octopamine; (±)-*form*, B,HCl, *in* O-00022
773-76-2 5,7-Dichloro-8-hydroxyquinoline, D-00190
774-65-2 *tert*-Butyl benzoate, *in* B-00092
777-11-7 ▷Haloprogin, H-00018
786-19-6 ▷Carbophenothion, C-00060
789-61-7 ▷2-Amino-9-(2-deoxy-*erythro*-pentofuranosyl)-1,9-dihydro-6*H*-purine-6-thione; *β*-D-*form*, *in* A-00236
790-69-2 Loflucarban, L-00076
791-35-5 ▷Chlophedianol, C-00191
794-93-4 ▷[[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-imino]bis(methanol), *in* F-00280
796-29-2 Ketipramine, K-00013
797-58-0 ▷Norbolethone, N-00209
797-63-7 Norgestrel, N-00218
797-63-7 Norgestrel; (−)-*form*, *in* N-00218
797-64-8 ▷Norgestrel; (+)-*form*, *in* N-00218
799-17-7 [[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]-phenyl]formamide, *in* S-00254
800-22-6 ▷Chloracyzine, C-00192
801-52-5 ▷Porfiromycin, P-00388
804-10-4 ▷Chromonar, C-00312
804-30-8 ▷Fursultiamine, F-00299
804-36-4 ▷Nitrovin, N-00190
804-53-5 Nitroman, *in* T-00102
804-63-7 ▷Quinine sulfate, *in* Q-00028
807-31-8 Aceperone, A-00014
807-38-5 ▷Fluocinolone, F-00172
808-24-2 Nicodicodine, *in* N-00095
808-26-4 6-Demethyl-6-deoxytetracycline; (−)-*form*, *in* D-00065
808-48-0 Deoxycortone pivalate, *in* H-00203
808-71-9 Penethamate hydriodide, *in* P-00061
809-01-8 Edogestrone, E-00014
811-97-2 1,1,1,2-Tetrafluoroethane, T-00113
815-76-9 Hexamethonium tartrate, *in* H-00055
817-09-4 ▷Lekamin, *in* T-00534
824-88-4 Thiocarbamic acid; *O*-Ph ester, *in* T-00196
826-01-7 Octopamine; (*S*)-*form*, *in* O-00022
826-10-8 ▷1-Phenyl-2-propylamine; (*R*)-*form*, *N*-Me; B,HCl, *in* P-00202
826-39-1 ▷Mecamylamine hydrochloride, *in* M-00041
826-91-5 1,4:6,3-Glucarodilactone; D-*form*, *in* G-00053
827-61-2 ▷Aceclidine, *in* Q-00035
829-74-3 2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol; (1*R*,2*S*)-*form*, *in* A-00249

830-89-7 Albutoin, A-00102
832-92-8 ▷Mescaline; B,HCl, *in* M-00131
834-14-0 4-Benzylanisole, *in* B-00127
834-28-6 ▷Dibotin, *in* P-00154
835-31-4 ▷Naphazoline, N-00041
841-67-8 ▷2-Phthalimidoglutarimide; (*S*)-*form*, *in* P-00223
841-73-6 ▷Bucolome, *in* C-00622
844-26-8 ▷Bithionoloxide, *in* B-00204
846-48-0 17-Hydroxy-1,4-androstadien-3-one; 17β-*form*, *in* H-00108
846-50-4 ▷Temazepam, *in* O-00096
846-54-8 Hydrothiaden, *in* D-00420
847-20-1 Flubanilate, F-00132
847-25-6 Thiamphenicol; (±)-*form*, *in* T-00179
847-84-7 ▷6-Dimethylamino-4,4-diphenyl-3-hexanone; B,HCl, *in* D-00407
848-21-5 ▷Norgestrienone, N-00219
848-53-3 ▷Homochlorcyclizine, H-00083
848-75-9 Lormetazepam, L-00097
849-55-8 ▷Nylidrin hydrochloride, *in* B-00367
850-52-2 ▷Altrenogest, A-00159
852-19-7 Sulfapyrazole, S-00207
852-42-6 ▷Guaiapate, G-00092
853-34-9 ▷Kebuzone, K-00006
855-19-6 ▷Clostebol acetate, *in* C-00506
855-22-1 ▷17-(1-Oxopropoxy)androstan-3-one, *in* H-00109
855-96-9 3′,5-Dihydroxy-4′,6,7-trimethoxyflavone, D-00354
859-07-4 Cefaloram, C-00111
859-18-7 ▷Lincomycin; B,HCl, *in* L-00051
860-22-0 ▷Indigo carmine, *in* I-00058
862-89-5 Nandrolone undecylate, *in* H-00185
863-53-6 Ergocalciferol phosphate, *in* C-00012
863-61-6 ▷Menatetrenone, M-00088
865-04-3 ▷Methoserpidine, M-00191
865-21-4 ▷Vinblastine, V-00032
865-24-7 ▷Vinglycinate, *in* V-00032
869-50-1 ▷3-Chloro-1,2-propanediol; (±)-*form*, Di-Ac, *in* C-00278
870-62-2 ▷Hexamethonium iodide, *in* H-00055
870-72-4 ▷Formaldehyde; Bisulfite compd., *in* F-00244
870-77-9 Carnitine; (±)-*form*, *O*-Ac, *in* C-00084
875-74-1 2-Amino-2-phenylacetic acid; (*R*)-*form*, *in* A-00300
876-04-0 Octopamine; (*R*)-*form*, *in* O-00022
876-27-7 ▷4-Chlorophenol; Ac, *in* C-00260
876-86-8 7-Chloro-8-hydroxyquinoline, C-00250
877-22-5 ▷2-Hydroxy-3-methoxybenzoic acid, *in* D-00315
877-89-4 1,3,5-Triazine-2,4,6-triol; Tri-Me ether, *in* T-00423
880-52-4 ▷1-Aminoadamantane; Ac, *in* A-00206
881-26-5 1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methyl-isoquinoline; (*S*)-*form*, B,HCl, *in* T-00117
882-09-7 ▷Clofibric acid, C-00456
882-58-6 ▷Phosphemide, P-00214
884-09-3 Thiobenzoic acid; *S*-Ph ester, *in* T-00193
884-43-5 1,3,5-Triazine-2,4,6-triol; Tri-Et ether, *in* T-00423
886-08-8 Norletimol, N-00220
886-74-8 ▷Chlorphenesin carbamate, *in* C-00261
892-01-3 ▷1-Benzyl-2-oxocyclohexanepropionic acid, B-00123
893-01-6 2,6-Bis(2-thienylmethylene)cyclohexanone, B-00237
894-71-3 ▷Nortryptyline hydrochloride, *in* N-00224
896-71-9 Tigestol, T-00269
901-93-9 Estrone acetate, *in* O-00031
904-04-1 ▷Captodramine hydrochloride, *in* C-00033
908-35-0 ▷Metyrapone tartrate, *in* M-00248
908-54-3 ▷Diminazene aceturate, *in* B-00187
909-39-7 ▷Opipramol hydrochloride, *in* O-00052
910-86-1 Thiocarlide, T-00198
911-45-5 ▷Clomiphene, C-00471
911-65-9 Etonitazene, E-00260
912-57-2 Nandrolone cyclohexylpropionate, *in* H-00185
914-00-1 ▷Methacycline, M-00161
915-30-0 ▷Diphenoxylate, *in* D-00265
921-01-7 Cysteine; (*S*)-*form*, *in* C-00654
926-93-2 ▷Methallibure, M-00165
931-08-8 1*H*-Pyrazole-1-carboxamide, *in* P-00563
936-61-8 Thiobenzoic acid; *O*-Et ester, *in* T-00193
937-34-8 Sulfuric acid monophenyl ester, *in* P-00161
938-33-0 8-Methoxyquinoline, *in* H-00211
938-73-8 ▷2-Ethoxybenzamide, *in* H-00112
939-48-0 ▷Isopropyl benzoate, *in* B-00092
942-31-4 ▷2,4-Diamino-5-phenylthiazole; B,HCl, *in* D-00134
943-17-9 ▷Eftortil, *in* A-00272
948-31-2 1-Cyano-2-methyl-3,5-dinitrobenzene, *in* M-00246
952-54-5 Morinamide, M-00443
955-48-6 ▷Metalol hydrochloride, *in* M-00148
956-03-6 ▷Meprylcaine hydrochloride, *in* A-00289
956-09-2 6-Aminohexanoic acid; *N*-Benzoyl, *in* A-00259
956-90-1 ▷Phencyclidine hydrochloride, *in* P-00183
957-56-2 ▷2-(4-Fluorophenyl)-1,3-indanedione, F-00189
958-93-0 ▷Thenyldiamine; B,HCl, *in* T-00165
959-10-4 ▷2-(4-Biphenylyl)butanoic acid, B-00179
959-14-8 ▷Oxolamine, O-00130
959-24-0 ▷Sotalol hydrochloride, *in* S-00106
960-05-4 ▷Carbubarb, C-00068
961-11-5 ▷Tetrachlorvinphos, T-00107
961-71-7 ▷Antergan, A-00402
962-02-7 Nitrodan, N-00176
963-39-3 ▷Demoxepam, D-00069
964-52-3 ▷Carlytene, *in* T-00227
964-82-9 2-(4-Biphenylyl)-4-hexenoic acid, B-00180
965-52-6 ▷Nifuroxazide, N-00126
965-90-2 ▷Ethyloestrenol, E-00213
965-93-5 17-Hydroxy-17-methylestra-4,9,11-trien-3-one; (17*R*)-*form*, *in* H-00161
967-48-6 Flubanilate hydrochloride, *in* F-00132
968-46-7 2-(Dimethylamino)ethyl benzilate, D-00410
968-58-1 ▷Par KS-12, *in* D-00511
968-63-8 Butinoline, B-00407
968-81-0 ▷Acetohexamide, A-00023
968-93-4 ▷Testolactone, T-00100
969-33-5 ▷Cyproheptadine hydrochloride, *in* C-00648
971-60-8 ▷Benzohexonium, *in* H-00055
971-74-4 ▷Antemovis, *in* H-00218
972-02-1 ▷Diphenidol, D-00486
972-04-3 1,1-Diphenyl-4-piperidino-2-butyn-1-ol, D-00508
973-99-9 ▷Neurvit, *in* T-00177
976-71-6 Canrenone, C-00027
977-79-7 ▷Medrogestone, M-00057
979-32-8 ▷Estradiol valerate, *in* O-00028
982-24-1 Clopenthixol, C-00481
982-43-4 ▷Beclodin, *in* P-00422
983-85-7 Penamecillin, P-00058
985-12-6 Drotaverine; B,HCl, *in* D-00611
985-13-7 ▷Paveroid, *in* E-00150
985-16-0 ▷Nafcillin sodium, *in* N-00012
985-32-0 ▷Quinacillin; Di-Na salt, *in* Q-00009
987-02-0 6-Demethyltetracycline, D-00066
987-18-8 Flumedroxone acetate, *in* F-00154
987-24-6 Betamethasone acetate, JAN, *in* B-00141
987-78-0 ▷Cytidine diphosphate choline, C-00655
990-73-8 ▷Fentanyl citrate, *in* F-00077
992-21-2 ▷Lymecycline, L-00120
992-46-1 Thiamine monophosphate disulfide, *in* T-00176
992-69-8 Erythromycin acetate, *in* E-00115
1003-71-0 Piperazine; *N*,*N*′-Me; B,2HCl, *in* P-00285
1006-12-8 1,7-Dihydro-6*H*-purine-6-thione; 3,7-*Dihydro-form*, 3-Me, *in* D-00299
1006-20-8 1,7-Dihydro-6*H*-purine-6-thione; 1,9-*Dihydro-form*, 9-Me, *in* D-00299
1006-22-0 1,7-Dihydro-6*H*-purine-6-thione; 1,7-*Dihydro-form*, 1-Me, *in* D-00299
1007-49-4 ▷2-Pyridinemethanol; *O*-Ac, *in* P-00572
1008-01-1 1,7-Dihydro-6*H*-purine-6-thione; 6-*Thiol-form*, *S*,7*N*-Di-Me, *in* D-00299
1008-08-8 1,7-Dihydro-6*H*-purine-6-thione; 6-*Thiol-form*, *S*,3*N*-Di-Me, *in* D-00299
1008-65-7 ▷2-(2-Hydroxyphenyl)-1,3,4-oxadiazole, H-00192
1011-34-3 2-Ethyl-1,2,3,4-tetrahydro-2-methyl-isoquinolinium(1+); Iodide, *in* E-00222

1013-23-6 Dibenzothiophene; 5-Oxide, *in* D-00160
1015-65-2 1-Cyclohexyl-2,4,6-(1*H*,3*H*,5*H*)pyrimidinetrione, C-00622
1016-05-3 Dibenzothiophene; 5,5-Dioxide, *in* D-00160
1018-34-4 ▷Trepirium iodide, *in* T-00413
1018-71-9 ▷3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, C-00223
1021-11-0 Guanoxyfen sulfate, *in* P-00173
1027-14-1 ▷Trimecaine; B,HCl, *in* T-00492
1027-87-8 Tolpentamide, T-00363
1028-33-7 Pentifylline, *in* T-00166
1034-82-8 Heptolamide, H-00032
1038-59-1 *N*-Cyclooctyl-*N'*-(4-methylbenzenesulfonyl)urea, C-00626
1039-82-3 Esculamine; B,HCl, *in* E-00121
1041-90-3 Lethidrone, *in* N-00032
1042-16-6 1,1-Diphenyl-4-piperidino-2-butyn-1-ol; B,HCl, *in* D-00508
1042-42-8 Carcainium chloride, *in* C-00072
1043-21-6 Pirenoxine, P-00318
1043-21-6 Pirenoxine, P-00319
1045-21-2 ▷Carbetapentane; B,HCl, *in* C-00046
1045-69-8 Testosterone acetate, *in* H-00111
1045-82-5 Chloracyzine; B,HCl, *in* C-00192
1046-17-9 Isobutylphenazone methanesulfonate sodium, *in* D-00170
1050-48-2 ▷Benzilonium bromide, *in* B-00082
1050-79-9 Moperone, M-00432
1054-88-2 Spiroxatrine, S-00132
1055-55-6 ▷Bunamidine hydrochloride, *in* B-00359
1057-07-4 ▷17-(Benzoyloxy)androstan-3-one, *in* H-00109
1057-81-4 ▷BS 7051, *in* H-00033
1059-21-8 ▷Digicorigenin, *in* T-00474
1063-55-4 ▷Butaperazine maleate, *in* B-00394
1065-31-2 Coenzyme *Q*; Coenzyme Q_6, *in* C-00531
1068-57-1 ▷Acethydrazide, *in* A-00021
1069-55-2 2-Methylpropyl 2-cyano-2-propenoate, M-00300
1069-66-5 ▷Valproate sodium, *in* P-00516
1070-11-7 ▷Ethambutol hydrochloride, *in* E-00148
1070-95-7 Guanoctine hydrochloride, *in* T-00145
1072-09-9 6-(Dimethylamino)hexanoic acid, *in* A-00259
1077-27-6 α-Lipoic acid; (*S*)-*form*, *in* L-00053
1077-28-7 α-Lipoic acid; (±)-*form*, *in* L-00053
1077-93-6 Ternidazole, T-00094
1078-21-3 ▷4-Amino-3-phenylbutanoic acid, A-00303
1078-30-4 7-Quinolinecarboxylic acid, Q-00030
1081-15-8 Formaldehyde; 2,4-Dinitrophenylhydrazone, *in* F-00244
1082-56-0 Tefazoline, T-00051
1082-57-1 Tramazoline, T-00395
1082-88-8 ▷1-(3,4,5-Trimethoxyphenyl)-2-propylamine, T-00504
1083-57-4 ▷Bucetin, B-00335
1084-65-7 ▷Meticrane, M-00319
1085-91-2 ▷2-Ethyl-2-(1-naphthyl)butanoic acid, E-00210
1088-11-5 ▷7-Chloro-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *in* D-00148
1088-80-8 ▷Metamelfalan; (*S*)-*form*, *in* M-00149
1088-92-2 Nifurtoinol, N-00135
1092-46-2 ▷Ketocaine, *in* K-00015
1092-47-3 Rec 70518, *in* K-00015
1093-58-9 Clostebol, C-00506
1094-08-2 Ethopropazine hydrochloride, *in* E-00160
1096-72-6 Hepzidine, H-00033
1098-60-8 ▷Triflupromazine hydrochloride, *in* F-00176
1098-97-1 Pyritinol, P-00590
1099-87-2 Prasterone sodium sulfate, *in* H-00110
1104-22-9 ▷Meclizine hydrochloride, *in* M-00051
1107-99-9 Prednisolone pivalate, *in* P-00412
1110-40-3 Cortivazol, C-00551
1110-58-3 Gossypol; (±)-*form*, 6,6'-Di-Me ether, *in* G-00082
1110-80-1 ▷Mepicycline, M-00096
1111-27-9 Dibiomycin, *in* A-00476
1111-39-3 ▷Acetyldigitoxin, *in* D-00275
1111-44-0 ▷Pleiaserpin, *in* R-00029
1113-10-6 ▷*N*-Cyano-*N'*-(1,1-dimethylpropyl)guanidine, C-00581
1113-41-3 Penicillamine; (*R*)-*form*, *in* P-00064
1115-47-5 ▷*N*-Acetylmethionine; (±)-*form*, *in* A-00036
1115-70-4 ▷Diabefagos, *in* D-00432
1119-34-2 ▷Arginine hydrochloride, *in* A-00441
1119-48-8 4-Aminobutanoic acid; *N*-Me, *in* A-00221
1119-97-7 ▷Tetradonium bromide, *in* T-00512
1121-30-8 ▷2(1*H*)-Pyridinethione; 1-Hydroxy, *in* P-00574
1123-54-2 7-Amino-1*H*-1,2,3-triazolo[4,5-*d*]pyrimidine, A-00338
1124-69-2 ▷1,2,3,6-Tetrahydro-2,2,6,6-tetramethylpyridine, T-00132
1127-45-3 ▷8-Hydroxyquinoline; *N*-Oxide, *in* H-00211
1127-75-9 1,7-Dihydro-6*H*-purine-6-thione; 6-*Thiol-form*, *S*,9*N*-Di-Me, *in* D-00299
1130-23-0 Bicol, *in* E-00193
1131-64-2 Debrisoquine, D-00033
1134-47-0 ▷Baclofen, B-00003
1142-70-7 ▷5-(2-Bromoallyl)-5-*sec*-butylbarbituric acid, B-00290
1143-38-0 ▷1,8-Dihydroxyanthrone, D-00310
1146-95-8 ▷2-(Diphenylmethylene)butylamine; B,HCl, *in* D-00497
1146-98-1 ▷2-(4-Bromophenyl)-1,3-indanedione, B-00313
1146-99-2 ▷2-(4-Chlorophenyl)-1,3-indandione, C-00264
1149-87-7 Ethoheptazine; (±)-*form*, *in* E-00157
1150-20-5 3-[(4-Aminophenyl)sulfonyl]-3-azabicyclo[3.2.2]-nonane, *in* A-00491
1151-11-7 Ipodate calcium, *in* I-00129
1154-77-4 1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one; Di-Me ether, *in* D-00347
1155-03-9 ▷Zolamine hydrochloride, *in* Z-00027
1155-49-3 ▷3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone; B,HCl, *in* P-00289
1156-05-4 ▷Phenglutarimide, P-00155
1156-19-0 ▷Tolazamide, T-00344
1157-87-5 Etoloxamine, E-00256
1159-93-9 Clobenzepam, C-00434
1161-88-2 Sulfatolamide, *in* M-00002
1163-36-6 ▷Allercur, *in* C-00418
1163-37-7 Eupaverin, *in* M-00461
1164-38-1 ▷Lachesine chloride, *in* L-00002
1164-99-4 17-(Acetyloxy)-4-chloroestr-4-en-3-one, *in* C-00242
1165-48-6 ▷Dimefline, D-00377
1166-34-3 Cinanserin, C-00355
1168-01-0 Quillifoline; *cis-form*, *in* Q-00007
1168-02-1 Quillifoline; *trans-form*, *in* Q-00007
1169-49-9 Testosterone isobutyrate, *in* H-00111
1169-60-4 Methyl aristolochate, *in* M-00200
1169-79-5 ▷Quinestradol, *in* O-00030
1172-18-5 ▷Flurazepam hydrochloride, *in* F-00217
1173-26-8 ▷Corticosterone; 21-Ac, *in* C-00546
1173-27-9 21-Hydroxy-4-pregnene-3,11,20-trione; Ac, *in* H-00204
1174-11-4 Xenazoic acid, X-00008
1176-08-5 ▷Phenyltoloxamine; Citrate (1:1), *in* P-00210
1177-30-6 ▷Phenbenicillin; K salt, *in* P-00148
1177-87-3 ▷Dexamethasone acetate, *in* D-00111
1178-27-4 Bentipimine; (±)-*form*, B,2HCl, *in* B-00068
1178-28-5 Metoserpate, M-00336
1178-29-6 ▷Avicalm, *in* M-00336
1178-60-5 Pentagestrone acetate, *in* P-00080
1179-69-7 ▷Thiethylperazine maleate, *in* T-00189
1180-34-3 Podophyllotoxin; Ac, *in* P-00377
1181-54-0 Clomocycline, C-00473
1182-34-9 ▷Cynarine, C-00643
1184-84-5 Vinylsulfonic acid, V-00047
1186-62-5 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (*R*)-*form*, *O*-Ac, iodide, *in* H-00217
1186-63-6 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (*S*)-*form*, *O*-Ac, iodide, *in* H-00217
1190-53-0 ▷Buformin hydrochloride, JAN, *in* B-00428
1193-92-6 ▷3-Pyridinecarboxaldehyde; Oxime, *in* P-00569
1195-16-0 ▷*N*-(Tetrahydro-2-oxo-3-thienyl)acetamide, T-00129

1197-17-7 4-(Aminomethyl)cyclohexanecarboxylic acid; *cis-form*, *in* A-00281
1197-18-8 ▷4-(Aminomethyl)cyclohexanecarboxylic acid; *trans-form*, *in* A-00281
1197-19-9 4-Dimethylaminobenzonitrile, *in* D-00405
1197-21-3 ▷Phentermine hydrochloride, *in* P-00193
1197-55-3 ▷(4-Aminophenyl)acetic acid, A-00299
1199-18-4 ▷5-(2-Aminoethyl)-1,2,4-benzenetriol, A-00255
1200-22-2 α-Lipoic acid; (*R*)-*form*, *in* L-00053
1200-88-0 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid; (1α,2α,3β,4α)-(+)-*form*, *in* B-00157
1202-25-1 4-(Dimethylamino)benzoic acid; Me ester, *in* D-00405
1205-62-5 [(4-Nitrophenyl)methyl]phosphonic acid, N-00185
1205-91-0 1,4-Benzenediol; Di-Ac, *in* B-00074
1209-98-9 ▷Fencamfamin, F-00038
1211-28-5 ▷Prolintane, *in* P-00473
1212-03-9 Metiprenaline, M-00323
1212-72-2 Mephentermine sulfate, *in* P-00193
1212-83-5 Guanisoquin sulfate, *in* G-00113
1213-06-5 Ethebenecid, E-00152
1215-83-4 ▷Clobutinol hydrochloride, JAN, *in* C-00438
1218-35-5 Xylometazoline hydrochloride, *in* X-00023
1219-35-8 Primaperone, P-00433
1219-77-8 Bensuldazic acid, B-00065
1220-83-3 ▷Sulfamonomethoxime, S-00200
1221-56-3 ▷Sodium ipodate, *in* I-00129
1222-57-7 ▷Zolimidine, Z-00031
1223-36-5 ▷Clofexamide, C-00455
1225-20-3 ▷Sodium iotalamate, JAN, *in* I-00140
1225-55-4 ▷Protriptyline hydrochloride, *in* P-00544
1225-60-1 ▷Nilergex, *in* I-00214
1227-45-8 ▷*N*,*N*′-Bis(4-methoxyphenyl)thiourea, *in* B-00222
1227-61-8 ▷Mefexamide, M-00067
1228-02-0 ▷α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile, B-00431
1228-19-9 Glypinamide, G-00077
1229-29-4 ▷Doxepin hydrochloride, *in* D-00594
1229-35-2 ▷Methdilazine hydrochloride, *in* M-00177
1230-54-2 4-(4-Biphenylyl)-4-oxobutanoic acid; Et ester, *in* B-00181
1231-93-2 ▷Ethynodiol, E-00227
1232-85-5 Elantrine, E-00021
1233-53-0 Buniodyl, B-00363
1233-70-1 Diarbarone, D-00145
1234-30-6 ▷*N*,*N*′-Bis(4-ethoxyphenyl)thiourea, *in* B-00222
1234-71-5 Namoxyrate, *in* B-00179
1235-15-0 ▷Norbolethone; (±)-*form*, *in* N-00209
1236-82-4 Proquamezine; (±)-*form*, B,2HCl, *in* P-00521
1236-99-3 ▷Methotrimeprazine; (−)-*form*, B,HCl, *in* M-00193
1239-04-9 ▷Narcidine, *in* P-00147
1239-29-8 ▷Furazabol, F-00283
1239-45-8 ▷Homidium bromide, *in* D-00132
1240-15-9 Propiomazine hydrochloride, *in* P-00504
1242-14-4 Testosterone phosphate, *in* H-00111
1242-56-4 Stenbolone acetate, *in* S-00144
1242-69-9 Decitropine, D-00038
1243-33-0 ▷Mefeclorazine, M-00061
1245-44-9 ▷Levopropylcillin potassium, *in* P-00501
1247-42-3 ▷17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione; 16β-*form*, *in* D-00336
1248-42-6 Pitofenone hydrochloride, *in* P-00359
1249-84-9 ▷Azacosterol hydrochloride, *in* A-00495
1252-69-3 ▷Piperamide maleate, *in* P-00284
1253-28-7 ▷Gestonorone caproate, *in* G-00023
1254-35-9 Oxabolone cipionate, O-00072
1254-38-2 *myo*-Inositol; Hexa-Ac, *in* I-00074
1255-35-2 Corticoderm, *in* F-00207
1255-49-8 ▷Testosterone phenylpropionate, *in* H-00111
1256-01-5 ▷Pasaden, *in* H-00084
1257-76-7 Thioridazine; (±)-*form*, Tartrate, *in* T-00209
1260-17-9 Carminic acid, C-00080
1263-57-6 Estradiol diundecylate, *in* O-00028
1263-79-2 ▷Tetrandrine; (−)-*form*, *in* T-00152
1263-89-4 ▷Paromomycin sulfate, *in* P-00039
1264-62-6 ▷Erythromycin ethylsuccinate, *in* E-00115
1298-66-4 2-Ferrocenoylbenzoic acid, F-00090
1300-94-3 5-Methyl-2-pentylphenol, M-00280
1301-01-5 Bentrofene, *in* A-00008
1301-42-4 ▷Euprocin, E-00276
1305-62-0 ▷Calcium hydroxide, C-00015
1309-42-8 Magnesium hydroxide, M-00008
1310-65-2 ▷Lithium hydroxide, L-00060
1314-13-2 ▷Zinc oxide, Z-00017
1317-25-5 ▷Alcloxa, *in* A-00123
1317-31-3 Calcium trisodium pentetate, *in* P-00094
1321-14-8 Potassium guaiacolsulfonate, *in* H-00147
1330-44-5 Algeldrate, A-00113
1332-94-1 ▷Laetrile, L-00006
1336-20-5 Tetracycline phosphate complex, *in* T-00109
1336-80-7 ▷Ferrocholinate, *in* C-00308
1338-16-5 ▷Iron sorbitex, *in* G-00054
1338-39-2 ▷Sorbitan monolaurate, *in* A-00387
1338-41-6 ▷Sorbitan monostearate, *in* A-00387
1338-43-8 ▷Sorbitan monooleate, *in* A-00387
1344-34-9 ▷Stibamine glucoside, S-00148
1392-21-8 ▷Leucomycin, *in* L-00032
1393-48-2 ▷Thiostrepton, T-00210
1393-87-9 ▷Fusafungine, F-00301
1394-02-1 ▷Hachimycin, H-00001
1394-48-5 Guan-fu base A, *in* H-00136
1394-49-6 Guan-fu base B, *in* H-00136
1394-51-0 Guan-fu base C, G-00104
1394-52-1 Guan-fu base D; B,HNO_3, *in* G-00105
1394-53-2 Guan-fu base E; B,$HClO_4$, *in* G-00106
1397-84-8 ▷Alazopeptin, A-00095
1397-89-3 ▷Amphotericin *B*, A-00368
1400-61-9 ▷Nystatin, N-00235
1401-69-0 ▷Tylosin, T-00578
1403-29-8 ▷Carzinophilin, C-00106
1403-99-2 Mitogillin, M-00401
1404-04-2 ▷Neomycin, *in* N-00068
1404-08-6 Neutramycin, N-00081
1404-15-5 ▷Nogalamycin, N-00198
1404-20-2 ▷Peliomycin, P-00053
1404-26-8 ▷Polymyxin B, *in* P-00384
1404-48-4 Tylosin *D*, T-00579
1404-59-7 ▷Oligomycin *D*, O-00037
1404-64-4 ▷Sparsomycin, S-00109
1404-74-6 ▷Streptovarycin, S-00163
1404-88-2 ▷Tyrothricin, T-00583
1404-90-6 ▷Vancomycin, V-00007
1404-93-9 ▷Vancomycin hydrochloride, JAN, *in* V-00007
1404-95-1 Vinleurosine sulfate, *in* L-00037
1405-32-9 ▷Amphotericin A, *in* A-00368
1405-86-3 ▷Glycyrrhizic acid, G-00073
1405-97-6 ▷Gramicidins *A-D*, G-00084
1407-05-2 ▷Methocidin, M-00186
1415-73-2 ▷Barbaloin, B-00013
1420-03-7 Propenzolate hydrochloride, *in* P-00497
1420-04-8 ▷Baylucit, *in* N-00093
1420-40-2 ▷Decamethonium iodide, *in* D-00036
1420-55-9 ▷Thiethylperazine, T-00189
1420-68-4 Desoxycortone enanthate, *in* H-00203
1421-14-3 ▷Propanidid, P-00489
1421-28-9 ▷Paramorphan, *in* D-00294
1421-68-7 ▷Amidephrine mesylate, *in* A-00191
1422-07-7 ▷Codeine; B,HCl, *in* C-00525
1424-00-6 Mesterolone, M-00137
1425-09-8 17-Hydroxy-4-androsten-3-one; 17α-*form*, Ac, *in* H-00111
1432-75-3 ▷Nitralamine hydrochloride, *in* N-00165
1433-15-4 Dexamethasone diethylaminoacetate, *in* D-00111
1435-55-8 ▷Hydroquinidine, *in* Q-00027
1441-87-8 2-Hydroxybenzoic acid; Chloride, *in* H-00112
1443-91-0 ▷Elantrine dicyclamate, *in* E-00021
1449-05-4 ▷18α-Glycyrrhetic acid, *in* G-00072
1454-04-2 AGN 511, *in* P-00407
1455-77-2 ▷3,5-Diamino-1*H*-1,2,4-triazole, D-00137
1456-52-6 Ioprocemic acid, I-00130
1461-15-0 Oftasceine, O-00033
1462-73-3 ▷1-Phenyl-2-propylamine; (*S*)-*form*, B,HCl, *in* P-00202

1463-28-1 Guanacline, G-00099
1464-33-1 ▷5-Hydroxy-4-(methoxymethyl)-6-methyl-3-pyridinemethanol, *in* P-00582
1464-42-2 ▷Selenomethionine, S-00038
1469-07-4 Damotepine, D-00009
1470-35-5 ▷Isobromindione, I-00178
1470-95-7 Profadol; (±)-*form*, *in* P-00462
1473-33-2 *N*,*N*′-Bis(4-hydroxyphenyl)thiourea, B-00222
1473-73-0 B 2311, *in* M-00443
1474-52-8 Oestradiol; 17α-*form*, 3,17-Di-Ac, *in* O-00028
1476-46-6 Deacetylcephalosporin C, *in* C-00177
1476-53-5 ▷Novobiocin; Na salt, *in* N-00228
1477-19-6 ▷Benzarone, B-00071
1477-39-0 Noracymethadol, N-00207
1480-19-9 ▷Fluanisone, F-00130
1483-07-4 Albizziine; (*S*)-*form*, *in* A-00098
1483-72-3 Diphenyliodonium(1+); Chloride, *in* D-00495
1483-73-4 Diphenyliodonium(1+); Bromide, *in* D-00495
1484-17-9 Thiobenzoic acid; *S*-Et ester, *in* T-00193
1484-85-1 ▷2-(3,4-Methylenedioxyphenyl)ethylamine, M-00253
1485-15-0 2-Amino-1-phenyl-1-propanol; (1*RS*, 2*RS*)-*form*, B,HCl, *in* A-00308
1486-66-4 3′,4′,7-Trihydroxy-3,5-dimethoxyflavone, *in* P-00082
1490-04-6 ▷2-Isopropyl-5-methylcyclohexanol, I-00208
1491-41-4 ▷Naphthalophos, N-00042
1491-59-4 ▷Oxymetazoline, O-00153
1491-81-2 Bolmantalate, B-00250
1492-02-0 ▷Glybuzole, G-00063
1501-84-4 ▷Rimantadine hydrochloride, *in* A-00063
1502-95-0 ▷Heroin; B,HCl, *in* H-00034
1505-95-9 ▷Naftypramide, N-00027
1506-12-3 ▷Butidrine; B,HCl, *in* B-00403
1508-45-8 ▷Mitopodozide, *in* P-00376
1508-65-2 ▷Oxybutynin hydrochloride, *in* O-00147
1508-75-4 Tropicamide, T-00552
1509-92-8 *N*-Acetylmethionine; (*R*)-*form*, *in* A-00036
1511-16-6 Haloperidol; B,HCl, *in* H-00015
1518-58-7 ▷Contramine, *in* D-00244
1518-86-1 4-(2-Aminopropyl)phenol; (±)-*form*, *in* A-00322
1518-89-4 4-(2-Aminopropyl)phenol; (*R*)-*form*, *in* A-00322
1524-88-5 ▷Flurandrenolone, F-00215
1531-12-0 Morphinan-3-ol, M-00448
1532-72-5 Isoquinoline; Oxide, *in* I-00210
1538-09-6 ▷Benzathine penicillin, *in* B-00126
1538-11-0 ▷Benzhydrylamine penicillin, *in* B-00126
1539-38-4 Di(4-pyridylmethyl)amine; B,3HCl, *in* D-00531
1539-39-5 Di(4-pyridylmethyl)amine, D-00531
1549-81-1 2′-Deoxy-5-fluorouridine; 5′-Ac, *in* D-00079
1549-81-1 2′-Deoxy-5-fluorouridine; 3′-Mesyl, *in* D-00079
1553-34-0 ▷Methixene hydrochloride, *in* M-00185
1553-60-2 ▷Ibufenac, I-00007
1555-94-8 8-Ethoxyquinoline, *in* H-00211
1556-61-2 Diarbarone; B,HCl, *in* D-00145
1562-31-8 Vinylsulfonic acid; Me ester, *in* V-00047
1562-71-6 ▷Guanacline sulfate, *in* G-00099
1570-95-2 2-Phenyl-1,3-propanediol, P-00200
1571-65-9 3-Amino-4-hydroxybenzoic acid; B,HCl, *in* A-00263
1571-72-8 3-Amino-4-hydroxybenzoic acid, A-00263
1575-87-7 2-Hydroxybenzyl alcohol; Di-Ac, *in* H-00116
1576-35-8 ▷*p*-Toluenesulfonylhydrazine, *in* M-00228
1580-71-8 ▷Amiperone, A-00343
1580-83-2 Paraflutizide, P-00022
1587-20-8 Trimethyl citrate, *in* C-00402
1596-63-0 Quinacillin, Q-00009
1596-70-9 ▷Propoxyphene; (2*R*,3*S*)-*form*, B,HCl, *in* P-00512
1597-82-6 ▷Paramethasone acetate, *in* P-00025
1600-19-7 Xyloxemine, X-00026
1601-18-9 ▷Indomethacin; Me ester, *in* I-00065
1605-89-6 17β-Hydroxy-7,17-dimethyl-4-androsten-3-one; 7α-*form*, *in* H-00123
1607-00-7 Pentaerythritol; Mononitrate, *in* P-00077
1607-01-8 Pentaerythritol; Dinitrate, *in* P-00077
1607-17-6 Pentaerythritol trinitrate, *in* P-00077
1612-30-2 Potassium menaphthosulfate, *in* D-00333
1613-17-8 ▷Dymanthine hydrochloride, *in* O-00012
1613-24-7 2-Benzyl-4-(diethylamino)butanoic acid, B-00111
1614-20-6 Nifurprazine, N-00129
1617-90-9 ▷Vincamine; (+)-*form*, *in* V-00033
1617-99-8 Ambenoxan; B,HCl, *in* A-00168
1618-50-4 3-Methyl-2-phenylmorpholine; (2*RS*,3*RS*)-*form*, *in* M-00290
1619-34-7 ▷3-Quinuclidinol, Q-00035
1620-21-9 Histantin, *in* C-00198
1620-24-2 *N*-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]-phenylalanyl]tyrosine ethyl ester, *in* A-00453
1621-56-3 7-Methoxyisoflavone, *in* H-00144
1622-61-3 ▷Clonazepam, C-00475
1622-62-4 ▷Flunitrazepam, F-00168
1622-79-3 ▷Buronil, *in* M-00083
1626-74-0 ▷α-Methyl-*p*-(trifluoromethyl)phenethylamine, M-00313
1628-29-1 Phenothiazine; *N*-Ac, *in* P-00167
1631-58-9 Nereistoxin, N-00075
1639-43-6 Androst-5-ene-3,17-diol; (3β,17β)-*form*, 3-Ac, *in* A-00383
1639-60-7 ▷Propoxyphene hydrochloride, *in* P-00512
1641-17-4 2-Hydroxy-4-methoxy-4′-methylbenzophenone, H-00150
1642-54-2 ▷Diethylcarbamazine citrate, *in* D-00248
1649-18-9 ▷Azaperone, A-00503
1653-64-1 ▷2-(3,4-Methylenedioxyphenyl)ethylamine; B,HCl, *in* M-00253
1655-70-5 2,2′-Dihydroxydiphenyl ether; Di-Me ether, *in* D-00325
1660-94-2 ▷Tetraethyl methylenebisphosphonate, *in* M-00168
1660-95-3 Tetrakis(1-methylethyl) methylenebisphosphonate, *in* M-00168
1661-29-6 Meturedepa, M-00345
1665-48-1 ▷Metaxalone, M-00152
1668-19-5 ▷Doxepin, D-00594
1672-28-2 3-(7-Theophyllinyl)propanesulfonic acid, T-00170
1673-06-9 Amphotalide, A-00367
1674-56-2 1-Amino-2-propanol; (±)-*form*, *in* A-00318
1674-95-9 Pimetremide; (±)-*form*, B,HBr, *in* P-00259
1674-96-0 Aturbal, *in* P-00155
1675-69-0 1,7-Dicyanoheptane, *in* N-00203
1678-25-7 ▷Benzenesulfonic acid; Anilide, *in* B-00075
1679-75-0 Cinnamaverine, C-00370
1679-76-1 ▷Drofenine, D-00606
1679-79-4 Propanocaine; (±)-*form*, B,HCl, *in* P-00490
1684-40-8 9-Amino-1,2,3,4-tetrahydroacridine; B,HCl, *in* A-00333
1684-42-0 ▷Acranil, *in* C-00229
1689-89-0 ▷4-Hydroxy-3-iodo-5-nitrobenzonitrile, H-00142
1693-37-4 Parapropamol, P-00029
1693-66-9 4-(2-Aminopropyl)phenol; (*S*)-*form*, *in* A-00322
1695-77-8 ▷Spectinomycin, S-00111
1696-79-3 Amiquinsin hydrochloride, *in* A-00250
1698-95-9 Proquinolate, P-00523
1703-48-6 Dimabefylline, D-00374
1703-49-7 Dimabefylline; B,HCl, *in* D-00374
1707-14-8 ▷Preludin, *in* M-00290
1707-15-9 Metazide, M-00154
1707-77-3 Mannitol; D-*form*, 1,2:5,6-Di-*O*-isopropylidene, *in* M-00018
1711-06-4 3-Methylbenzoic acid; Chloride, *in* M-00230
1715-30-6 Alexidine; B,2HCl, *in* A-00107
1715-33-9 ▷Prednisolone sodium succinate, *in* P-00412
1715-40-8 ▷Bromocyclen, B-00295
1716-22-9 Phenaphthazine, P-00145
1722-62-9 ▷Mepivacaine hydrochloride, *in* M-00101
1729-61-9 Paranyline, P-00026
1732-10-1 Nonanedioic acid; Di-Me ester, *in* N-00203
1740-22-3 Pyrinoline, P-00588
1744-22-5 2-Amino-6-(trifluoromethoxy)benzothiazole, A-00339
1746-13-0 ▷2-Propenyloxybenzene, *in* P-00161
1748-43-2 Trethinium tosylate, *in* E-00222
1755-52-8 ▷3-Ethyl-4-(4-methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid, E-00200

1759-09-7 Methiomeprazine; (−)-*form*, *in* M-00182
1760-46-9 Diphenylacetic acid; Anhydride, *in* D-00488
1764-85-8 Epithiazide, E-00085
1766-91-2 Penflutizide, P-00063
1767-88-0 Desmethylmoramide, D-00096
1776-30-3 ▷1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one, D-00347
1776-83-6 ▷Quintiofos, Q-00034
1778-02-5 Pregnenolone acetate, *in* H-00205
1786-03-4 2-(1-Naphthyl)-1,3-indandione, N-00045
1786-81-8 ▷Prilocaine hydrochloride, *in* P-00432
1789-26-0 ▷*N*-[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]acetamide, *in* F-00280
1794-34-9 1*H*-Pyrazole-1-carbothioamide, P-00561
1794-74-7 Biocidan, *in* C-00182
1798-49-8 ▷Olympax, *in* D-00263
1798-50-1 ▷Frenquel, *in* D-00506
1804-15-5 Methylglyoxime, *in* P-00600
1804-47-3 Mefenamic acid; Na salt, *in* M-00062
1808-12-4 ▷Bromodiphenhydramine hydrochloride, *in* B-00299
1812-30-2 ▷Bromazepam, B-00285
1817-90-9 2-Phenylethanol; Et ether, *in* P-00187
1824-52-8 ▷Bemetizide, B-00032
1824-58-4 Ethiazide, E-00153
1830-32-6 ▷Azintamide, A-00525
1837-57-6 ▷Rivanol, *in* D-00130
1838-08-0 ▷Octadecylamine; B,HCl, *in* O-00012
1838-19-3 9-Octadecenylamine, O-00011
1841-19-6 ▷Fluspirilene, F-00223
1843-05-6 Octabenzone, O-00004
1845-11-0 ▷Nafoxidine, N-00021
1847-24-1 ▷Sodium flucloxacillin, JAN, *in* F-00139
1847-63-8 ▷Nafoxidine hydrochloride, *in* N-00021
1852-73-9 Androgenol, *in* H-00154
1856-34-4 Clotioxone, C-00510
1857-80-3 5,6-Dibromocholestan-3-ol; (3β,5α,6β)-*form*, *in* D-00162
1861-21-8 5-Allyl-5-isopropyl-1-methylbarbituric acid, A-00130
1864-94-4 Phenol; Formyl, *in* P-00161
1866-43-9 ▷Rolodine, R-00079
1867-58-9 Distaneurin, *in* C-00238
1867-64-7 1-Phenylcyclohexylamine; *N*-Et; B,HCl, *in* P-00182
1867-65-8 1-[1-(2-Thienyl)cyclohexyl]piperidine; B,HCl, *in* T-00187
1867-66-9 ▷Ketamine hydrochloride, *in* C-00266
1871-76-7 ▷Diphenylacetic acid; Chloride, *in* D-00488
1879-77-2 Doxybetasol, D-00597
1882-26-4 ▷Pyricarbate, P-00568
1882-72-0 2-Amino-5-hydroxybenzoic acid; Me ester, *in* A-00262
1886-26-6 ▷α-Methyl-*m*-(trifluoromethyl)phenethylamine, M-00312
1886-45-9 ▷11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenzo[*b*,*e*]thiepine, D-00420
1892-80-4 ▷Fenethylline hydrochloride, *in* F-00047
1893-33-0 ▷Pipamperone, P-00274
1897-89-8 Piriqualone, P-00335
1900-13-6 Nifurvidine, N-00136
1910-68-5 ▷Methisazone, *in* M-00264
1912-55-6 3,12-Dihydroxy-24-cholanoic acid; (3α,5α,12α)-*form*, *in* D-00321
1914-69-8 Phenethicillin; L-*form*, *in* P-00152
1915-83-9 Octopamine; (±)-*form*, *in* O-00022
1926-48-3 Phenbenicillin, P-00148
1926-49-4 Clometocillin, C-00470
1926-94-9 Dexamethasone pivalate, *in* D-00111
1934-48-1 1-(1-Phenylcyclohexyl)pyrrolidine; B,HCl, *in* P-00184
1934-71-0 1-Phenylcyclohexylamine; B,HCl, *in* P-00182
1936-63-6 2-Amino-1-phenylethanol; (±)-*form*, *in* A-00304
1937-62-8 9-Octadecenoic acid; (*E*)-*form*, Me ester, *in* O-00010
1937-89-9 Butoxamine; (*RS*,*SR*)-*form*, *in* B-00418
1942-52-5 ▷2-Aminoethanethiol; *N*-Di-Et, *in* A-00252
1944-10-1 Fenoterol; B,HCl, *in* F-00064
1944-12-3 ▷Berotec, *in* F-00064
1949-45-7 ▷3-(Acetylamino)-5-(acetylmethylamino)-2,4,6-triiodobenzoic acid, *in* D-00138
1950-31-8 Metcaraphen; B,HCl, *in* M-00158
1950-39-6 Deferoxamine hydrochloride, *in* D-00044
1951-25-3 ▷Amiodarone, A-00342
1951-53-7 Iodoxyl, I-00109
1953-02-2 ▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
1954-28-5 ▷1,2:15,16-Diepoxy-4,7,10,13-tetraoxahexadecane, D-00225
1954-79-6 Mecloralurea, M-00048
1961-77-9 ▷Chlormadinone, C-00208
1963-82-2 ▷1,8-Dihydroxyanthraquinone; Di-Ac, *in* D-00308
1972-08-3 ▷Δ^9-Tetrahydrocannabinol; (6*aR*,10*aR*)-*form*, *in* T-00115
1977-10-2 ▷Loxapine, L-00106
1977-11-3 ▷Perlapine, P-00126
1980-45-6 Benzodepa, B-00091
1980-49-0 1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone, P-00199
1982-36-1 ▷Homochlorcyclizine hydrochloride, JAN, *in* H-00083
1982-37-2 ▷Methdilazine, M-00177
1984-15-2 Methanediphosphonic acid, M-00168
1984-94-7 Sulfasymazine, S-00210
1986-47-6 2-Phenylcyclopropylamine; (1*RS*,2*SR*)-*form*, B,HCl, *in* P-00186
1986-53-4 ▷Bolandiol dipropionate, *in* O-00029
1986-67-0 Dehydroemetine; (±)-*form*, *in* D-00050
1986-70-5 ▷Calotropin, *in* G-00079
1986-81-8 3-Pyridinecarboxamide; *N*-Oxide, *in* P-00570
1997-15-5 Triamcinolone acetonide sodium phosphate, *in* T-00419
2001-72-1 ▷LBC 131, *in* C-00055
2001-81-2 ▷Dipenine bromide, *in* D-00480
2001-94-7 Edetate dipotassium, *in* E-00186
2002-29-1 Flumethasone pivalate, *in* F-00156
2006-02-2 9-Arabinofuranosyladenine, A-00435
2011-67-8 ▷Nimetazepam, N-00147
2013-58-3 ▷Meclocycline, M-00044
2016-36-6 ▷Choline salicylate, *in* H-00112
2016-63-9 ▷Bamifylline, B-00011
2016-88-8 Amiloride hydrochloride, *in* A-00198
2019-14-9 Octibenzonium bromide, *in* O-00021
2019-16-1 Clofenetamine; (±)-*form*, B,HCl, *in* C-00452
2019-25-2 Chlorazinil hydrochloride, *in* C-00275
2022-85-7 ▷5-Fluorocytosine, F-00183
2024-11-5 Propyperone; B,2HCl, *in* P-00518
2027-47-6 9-Octadecenoic acid, O-00010
2030-63-9 ▷Clofazimine, C-00450
2034-50-6 3-Demethyldemecolcine, *in* D-00062
2034-94-8 Testosterone cyclohexylpropionate, *in* H-00111
2036-77-3 17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione; 16α-*form*, *in* D-00336
2037-95-8 ▷2*H*-1,3-Benzoxazine-2,4(3*H*)-dione, B-00097
2038-72-4 ▷3-Aminophenylarsonic acid, A-00301
2043-38-1 Buthiazide, B-00401
2044-27-1 ▷2(1*H*)-Pyridinethione; *N*-Me, *in* P-00574
2045-52-5 ▷Antergan; B,HCl, *in* A-00402
2045-53-6 2,2-Dichloro-1,1-difluoro-1-(methylthio)ethane, D-00184
2049-73-2 1,3-Diethoxybenzene, *in* B-00073
2052-36-0 Isopropicillin; K salt, *in* I-00200
2055-44-9 Perisoxal, P-00124
2056-56-6 Cintazone; (±)-*form*, *in* C-00383
2058-46-0 ▷Oxytetracycline hydrochloride, *in* O-00166
2058-52-8 ▷Clothiapine, C-00507
2058-72-2 ▷5-Bromo-1*H*-indole-2,3-dione; *N*-Me, *in* B-00305
2058-74-4 ▷1-Methylisatin, M-00264
2061-86-1 17-Methylandrost-5-ene-3,17-diol; (3β,17*S*)-*form*, Di-Ac, *in* M-00225
2062-77-3 ▷Trifluperidol hydrochloride, JAN, *in* T-00468
2062-78-4 ▷Pimozide, P-00263
2062-84-2 ▷Benperidol, B-00060
2065-00-1 2,2-Dimethyl-1,3,5-cyclohexanetrione; Dienediol-*form*, *in* D-00427

2066-89-9 Pasiniazid, *in* A-00264
2068-78-2 ▷Vincristine sulfate, *in* V-00037
2078-54-8 ▷2,6-Diisopropylphenol, D-00367
2081-65-4 Hostacain, *in* B-00390
2086-83-1 ▷Berberine, B-00135
2087-37-8 Etoloxamine; B,HCl, *in* E-00256
2090-89-3 2-[(2-Methylpropyl)amino]ethyl 4-aminobenzoate, M-00299
2091-24-9 4,7,10,13,16,19-Docosahexaenoic acid, D-00564
2098-66-0 ▷Cyproterone, C-00651
2099-26-5 Androst-5-ene-3,17-diol; (3β,17β)-*form*, Di-Ac, *in* A-00383
2099-63-0 2-Aminobenzoic acid; B,HCl, *in* A-00215
2104-96-3 ▷Bromophos, B-00316
2105-47-7 Tetrabenazine; B,HCl, *in* T-00102
2109-73-1 4′-*tert*-Butoxyacetanilide, B-00419
2119-75-7 Fluperolone acetate, *in* F-00201
2121-12-2 Ungeremine, U-00009
2121-16-6 Ungeremine; B,HCl, *in* U-00009
2122-39-6 Vincamine; (±)-*form*, *in* V-00033
2122-70-5 ▷(1-Naphthyl)acetic acid; Et ester, *in* N-00044
2124-57-4 Vitamin K_2; Vitamin K_2(35), *in* V-00065
2126-70-7 ▷Bromebric acid; (*Z*)-*form*, Na salt, *in* B-00286
2127-01-7 Clorexolone, C-00495
2127-03-9 2,2′-Dithiobispyridine, D-00551
2133-81-5 ▷2-Amino-9-(2-deoxy-*erythro*-pentofuranosyl)-1,9-dihydro-6*H*-purine-6-thione; α-D-*form*, *in* A-00236
2135-14-0 ▷Descinolone acetonide, *in* D-00092
2135-17-3 ▷Flumethasone, F-00156
2137-18-0 Gestronol, G-00023
2139-25-5 ▷Perisoxal citrate, JAN, *in* P-00124
2139-47-1 ▷Nifenazone, N-00112
2140-25-2 Adenosine; 5′-Ac, *in* A-00067
2145-14-4 Paramethasone disodium phosphate, *in* P-00025
2150-45-0 2,6-Dihydroxybenzoic acid; Me ester, *in* D-00317
2150-46-1 2,5-Dihydroxybenzoic acid; Me ester, *in* D-00316
2152-34-3 ▷2-Amino-5-phenyl-4(5*H*)-oxazolone, A-00306
2152-44-5 ▷Betamethasone valerate, *in* B-00141
2154-02-1 ▷Metofoline, M-00328
2155-30-8 ▷2-Hydroxypropanoic acid; (±)-*form*, Me ester, *in* H-00207
2156-27-6 Benproperine; (±)-*form*, *in* B-00061
2162-44-9 Clostebol propionate, *in* C-00506
2163-77-1 ▷(3-Amino-4-hydroxyphenyl)arsonic acid, A-00271
2163-80-6 ▷Monosodium methylarsonate, *in* M-00226
2165-19-7 Guanoxan, G-00115
2167-85-3 Pipazethate, P-00275
2169-25-7 2,3-Dihydroxybenzoic acid; 2-Me ether, Me ester, *in* D-00315
2169-28-0 3-Hydroxy-2-methoxybenzoic acid, *in* D-00315
2169-64-4 ▷Azaribine, *in* A-00514
2169-75-7 ▷Brontine, *in* D-00087
2174-16-5 Aspercreme, *in* H-00112
2174-64-3 5-Methoxy-1,3-benzenediol, *in* B-00076
2179-37-5 Bencyclane, B-00042
2180-92-9 ▷Bupivacaine, B-00368
2181-04-6 ▷Potassium canrenoate, *in* H-00186
2183-56-4 Hydromorphinol, H-00101
2188-67-2 ▷Naepaine, N-00008
2192-20-3 ▷Atarax, *in* H-00222
2192-21-4 ▷Baxacor, *in* E-00134
2193-87-5 Fluprednidene, F-00207
2197-37-7 9,12-Octadecadienoic acid, O-00007
2197-57-1 ▷2,3-Dimethyl-1,4-naphthoquinone, D-00433
2201-15-2 Eticyclidine, *in* P-00182
2201-24-3 1-Phenylcyclohexylamine, P-00182
2201-39-0 ▷1-(1-Phenylcyclohexyl)pyrrolidine, P-00184
2202-17-7 O-Methyldauricine, *in* D-00020
2203-97-6 Hydrocortisone hemisuccinate, *in* C-00548
2205-73-4 Thiomesterone, T-00205
2207-50-3 ▷2-Amino-4,5-dihydro-5-phenyloxazole, A-00246
2208-51-7 Pelanserin, P-00052
2209-86-1 ▷2,2-Bis(chloromethyl)-1,3-propanediol, B-00200
2210-63-1 ▷Mofebutazone, M-00420
2210-64-2 Pyrrocaine; B,HCl, *in* P-00595
2210-77-7 Pyrrocaine, P-00595
2216-51-5 ▷2-Isopropyl-5-methylcyclohexanol; (1*R*,3*R*,4*S*)-*form*, *in* I-00208
2216-52-6 2-Isopropyl-5-methylcyclohexanol; (1*R*,3*S*,4*S*)-*form*, *in* I-00208
2216-77-5 ▷1,3-Dibutoxy-2-propanol, D-00172
2216-93-5 5-Ethyl-5-phenyl-2,4-imidazolinedione; (±)-*form*, *in* E-00215
2217-35-8 Thurfyl salicylate, *in* H-00112
2217-59-6 3,3-Bis(ethylsulfonyl)pentane, *in* B-00213
2217-79-0 Diphenyliodonium(1+); Iodide, *in* D-00495
2218-68-0 Chloral betaine, *in* T-00433
2219-30-9 ▷Penicillamine; (*S*)-*form*, B,HCl, *in* P-00064
2224-37-5 1-Nitro-2-pentanol, N-00183
2226-11-1 Bornelone, B-00257
2227-79-4 ▷Thiobenzoic acid; Amide, *in* T-00193
2235-90-7 ▷3-(2-Aminobutyl)indole, A-00222
2236-31-9 Estriol tripropionate, *in* O-00030
2238-85-9 ▷Pronethalol; (±)-*form*, *in* P-00483
2240-14-4 ▷Norcamphane, *in* F-00038
2240-21-3 ▷Thiofuradene, T-00200
2243-35-8 2-Hydroxyacetophenone; Ac, *in* H-00107
2244-21-5 ▷Troclosene potassium, *in* D-00203
2259-96-3 ▷Cyclothiazide, C-00639
2260-08-4 Acetiromate, A-00022
2260-24-4 Drocinonide phosphate, *in* D-00604
2261-94-1 1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone, M-00314
2265-64-7 ▷Dexamethasone isonicotinate, *in* D-00111
2270-40-8 ▷Diacetoxyscirpenol, *in* A-00386
2270-41-9 Anguidol, A-00386
2272-11-9 Monoethanolamine oleate, *in* A-00253
2276-90-6 ▷Iothalamic acid, I-00140
2277-92-1 ▷Oxyclozanide, O-00149
2283-82-1 3-Hydroxy-5-androsten-17-one; 3α-*form*, *in* H-00110
2284-32-4 Oestriol; Tri-Ac, *in* O-00030
2289-50-1 Ancillin, *in* D-00485
2295-58-1 ▷1-(2,4,6-Trihydroxyphenyl)-1-propanone, T-00479
2297-30-5 ▷Androstenediol dipropionate, *in* A-00383
2308-85-2 5-Stigmasten-3-ol; (3β,24*R*)-*form*, Hexadecanoyl, *in* S-00151
2309-42-4 Epipachysamine A, *in* P-00416
2313-87-3 Ethoxazene hydrochloride, *in* D-00131
2315-02-8 ▷Oxymetazoline hydrochloride, *in* O-00153
2315-08-4 Salazosulphadimidine, S-00011
2315-20-0 ▷Nitrovin; B,HCl, *in* N-00190
2315-65-3 Octoxynol 9, O-00024
2315-68-6 Propyl benzoate, *in* B-00092
2319-57-5 Threitol; (2*S*,3*S*)-*form*, *in* T-00219
2320-86-7 4,17-Dihydroxy-17-methyl-1,4-androstadien-3-one; (4α,17*S*)-*form*, *in* D-00331
2321-07-5 ▷Fluorescein, F-00180
2323-36-6 *N*,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449
2324-94-9 Profadol hydrochloride, *in* P-00462
2338-21-8 Thiazinamium(1+), T-00182
2338-37-6 Propoxyphene; (2*R*,3*S*)-*form*, *in* P-00512
2345-34-8 4-Acetoxybenzoic acid, *in* H-00113
2347-80-0 ▷Majeptil, *in* T-00208
2348-82-5 ▷2-Methoxy-1,4-naphthoquinone, *in* H-00178
2349-55-5 Hexadecylpyridinium(1+); Iodide, *in* H-00043
2353-33-5 ▷2′-Deoxy-5-azacytidine; β-*form*, *in* D-00077
2363-58-8 ▷2,3-Epithioandrostan-17-ol; (2α,3α,5α,17β)-*form*, *in* E-00086
2364-72-9 ▷Cyprolidol hydrochloride, *in* C-00649
2365-25-5 Pentamethonium (2+), P-00084
2373-84-4 5-Allyl-5-ethylbarbituric acid, A-00129
2374-03-0 4-Amino-3-hydroxybenzoic acid, A-00265
2375-03-3 ▷Methylprednisolone sodium succinate, *in* M-00297
2376-43-4 Fluphenazine caproate, *in* F-00202
2385-81-1 Furethidine, F-00290
2387-59-9 ▷*S*-Carboxymethylcysteine; (*R*)-*form*, *in* C-00065
2391-03-9 ▷Halin, *in* B-00325
2392-39-4 ▷Dexamethasone sodium phosphate, *in* D-00111
2394-68-5 Coenzyme *Q*; Coenzyme Q_5, *in* C-00531
2398-81-4 Oxiniacic acid, *in* P-00571

2398-95-0 Foscolic acid, F-00254
2398-96-1 ▷Tolnaftate, T-00354
2401-56-1 Deditonium bromide, *in* D-00043
2404-18-4 Spasmonal, *in* D-00517
2404-42-4 2-Phenyl-1,2-butanediol; (*S*)-*form*, *in* P-00179
2409-26-9 Prazitone, P-00407
2410-07-3 Methacholine chloride, *in* M-00160
2418-14-6 ▷2,3-Dimercaptobutanedioic acid, D-00384
2418-45-3 Ergosterol; Ac, *in* E-00105
2418-52-2 Threitol; (2*R*,3*R*)-*form*, *in* T-00219
2420-35-1 2-Hydroxyoctadecanoic acid; (±)-*form*, Me ester, *in* H-00184
2420-42-0 9,12-Octadecadienoic acid; (9*Z*,12*E*)-*form*, *in* O-00007
2420-55-5 9,12-Octadecadienoic acid; (9*E*,12*Z*)-*form*, *in* O-00007
2423-66-7 ▷Quinoxaline 1,4-dioxide, Q-00031
2424-71-7 Metocinium iodide, *in* M-00326
2424-75-1 ▷Dimenoxadole; B,HCl, *in* D-00380
2430-46-8 ▷5-Methyl-5-propyl-2-*p*-tolyl-1,3,2-dioxaborinane, M-00301
2430-49-1 Vinylbitone, V-00046
2433-20-7 *N*,*N*-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, D-00243
2435-76-9 ▷5-Diazo-2,4(1*H*,3*H*)-pyrimidinedione, D-00151
2437-88-9 1,3,5-Triethoxybenzene, *in* B-00076
2438-72-4 ▷Bufexamac, B-00350
2439-77-2 ▷2-Methoxybenzoic acid; Amide, *in* M-00196
2440-22-4 ▷2-(2-Hydroxy-5-methylphenyl)-2*H*-benzotriazole, H-00172
2441-88-5 ▷Fenyripol hydrochloride, *in* F-00082
2444-19-1 1,4-Benzenediol; Monobenzoyl, *in* B-00074
2444-46-4 Nonivamide, N-00205
2446-63-1 ▷Glucodigifucoside, *in* D-00274
2447-54-3 ▷Sanguinarine, S-00022
2447-57-6 ▷Sulfadoxine, S-00193
2448-68-2 ▷Floropipamide hydrochloride, JAN, *in* P-00274
2451-01-6 4-Hydroxy-α,α,4-trimethylcyclohexanemethanol; *cis-form*, Monohydrate, *in* H-00216
2454-11-7 ▷Formebolone, F-00245
2455-84-7 Ambenoxan, A-00168
2455-92-7 4-Chloro-3-sulfamoylbenzamide, *in* C-00286
2457-47-8 ▷3,5-Dichloropyridine, D-00201
2460-44-8 Xylose; β-D-*Pyranose-form*, *in* X-00024
2464-18-8 3,7,12-Trihydroxy-24-cholanoic acid; (3α,5α,7α,12α)-*form*, *in* T-00475
2465-59-0 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, P-00564
2468-28-2 Terephtyl, T-00087
2470-73-7 ▷Dixyrazine, D-00557
2477-73-8 CAP, *in* C-00248
2485-62-3 Methyl cysteine, *in* C-00654
2486-80-8 4-Amino-2-methoxybenzoic acid, *in* A-00264
2487-39-0 3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)-thio]propanoic acid, D-00288
2487-63-0 Quinbolone, Q-00015
2490-97-3 Aceglutamide, A-00012
2492-09-3 ▷Sarracine, S-00025
2503-55-1 3-Pyridinecarboxamide; *N*′-Benzyl, *in* P-00570
2504-55-4 3′-Amino-3′-deoxyadenosine, A-00234
2507-27-9 Ritrosulfan; Dimethanesulfonate (salt), *in* R-00068
2507-91-7 ▷Gloxazone, G-00050
2508-47-6 Oestriol diacetate benzoate, *in* O-00030
2508-72-7 ▷Antistin, *in* A-00400
2508-79-4 Methyldopate hydrochloride, *in* M-00249
2508-89-6 *N*-Acetyl-6-diazo-5-oxo-L-norleucine, *in* A-00238
2521-01-9 ▷Encyprate, *in* C-00636
2522-81-8 Phenacyl pivalate, *in* H-00107
2529-45-5 ▷Flugestone acetate, *in* F-00150
2530-97-4 ▷Xanthinol, X-00003
2531-04-6 Piperylone, P-00296
2536-36-9 16-Iodohexadecanoic acid, I-00105
2537-29-3 ▷Proxibarbal, P-00546
2545-24-6 Niceverine, N-00091
2545-39-3 Clamoxyquin, C-00407
2555-28-4 7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; Me ether, *in* H-00156
2557-49-5 Diflorasone, D-00267
2566-90-7 4,7,10,13,16,19-Docosahexaenoic acid; (*all-Z*)-*form*, Me ester, *in* D-00564
2566-97-4 9,12-Octadecadienoic acid; (*E*,*E*)-*form*, Me ester, *in* O-00007
2572-63-6 Euclidan, *in* N-00086
2574-78-9 ▷Orazamide, *in* A-00275
2577-72-2 3,5-Dibromo-2-hydroxy-*N*-phenylbenzamide, *in* D-00165
2580-88-3 Eburnamonine; (±)-*form*, *in* E-00003
2584-71-6 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*R*,4*R*)-*form*, *in* H-00210
2589-00-6 ▷Aprofene; B,HCl, *in* A-00431
2589-47-1 ▷Prajmalium bitartrate, *in* A-00088
2603-23-8 Butaglionamide, B-00384
2607-06-9 Diflucortolone, D-00270
2608-24-4 Piposulfan, P-00301
2609-46-3 Amiloride, A-00198
2609-49-6 [(4-Nitrophenyl)methyl]phosphonic acid; Di-Et ester, *in* N-00185
2610-86-8 ▷Warfarin potassium, *in* W-00001
2611-61-2 E 124, *in* T-00179
2612-02-4 2-Hydroxy-5-methoxybenzoic acid, *in* D-00316
2612-14-8 ▷Actinomycin C_2, A-00055
2612-33-1 Clonitrate, *in* C-00278
2614-06-4 ▷2-Phthalimidoglutarimide; (*R*)-*form*, *in* P-00223
2618-25-9 Ioglycamic acid, I-00115
2620-88-4 2,2′-Dithiobis[*N*-butylbenzamide], D-00549
2621-61-6 Propoxyphene; (2*RS*,3*SR*)-*form*, *in* P-00512
2622-24-4 Prothixene, P-00537
2622-26-6 ▷Pericyazine, P-00121
2622-30-2 Carphenazine, C-00095
2622-37-9 Trifluomeprazine, T-00462
2623-22-5 Monoacetoxyscirpenol, *in* A-00386
2623-33-8 4-Acetamidophenyl acetate, *in* A-00298
2624-43-3 ▷Cyclofenil, C-00602
2624-44-4 ▷Ethamsylate, *in* D-00313
2624-50-2 Trimethidinium(2+), T-00499
2634-33-5 1,2-Benzisothiazol-3(2*H*)-one, B-00086
2637-34-5 ▷2(1*H*)-Pyridinethione, P-00574
2653-25-0 Etonitazene; B,HCl, *in* E-00260
2666-14-0 ▷(1-Hydroxyethylidene)bisphosphonic acid; Tri-Na salt, *in* H-00132
2667-89-2 ▷Bisbentiamine, B-00194
2668-66-8 ▷Medrysone, M-00060
2673-23-6 4,4′-Biphenyldiglyoxaldehyde, B-00177
2675-89-0 Chloroacetamide; *N*-Di-Me, *in* C-00212
2691-45-4 Coralgil, *in* B-00220
2691-46-5 Novosparol, *in* B-00160
2697-92-9 Testosterone hexahydrobenzyl carbonate, *in* H-00111
2702-58-1 3,5-Dinitrobenzoic acid; Me ester, *in* D-00468
2709-56-0 ▷Flupenthixol, F-00198
2719-23-5 ▷2-Aminothiazole; *N*-Ac, *in* A-00336
2726-03-6 ▷Tarpan, *in* C-00434
2740-52-5 Anagestone, A-00375
2741-16-4 Isopropyl phenyl ether, *in* P-00161
2746-81-8 ▷Fluphenazine enanthate, *in* F-00202
2747-05-9 7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; 7-*O*-Ac, *in* H-00156
2748-74-5 Diacetylnalorphine, *in* N-00032
2750-76-7 ▷Rifamide, *in* R-00047
2751-09-9 ▷Triacetyloleandomycin, *in* O-00035
2751-68-0 Acetophenazine, A-00025
2753-45-9 ▷Mebeverine hydrochloride, *in* M-00033
2756-87-8 Fumaric acid; Mono-Me ester, *in* F-00274
2757-85-9 Alloxan; 1,3-*N*-Di-Me, *in* A-00128
2763-96-4 ▷5-(Aminomethyl)-3(2*H*)-isoxazolone, A-00283
2764-56-9 Hisphen, H-00076
2765-97-1 Pargeverine; B,HCl, *in* P-00035
2768-90-3 Quinaldine blue, *in* E-00190
2773-92-4 ▷Isochinol, *in* D-00392
2779-55-7 ▷Opiniazide, O-00051
2782-57-2 ▷1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, D-00203

2784-55-6 Sandosten, *in* T-00163
2799-16-8 1-Amino-2-propanol; (*R*)-*form*, *in* A-00318
2804-00-4 ▷Roxoperone, R-00102
2804-01-5 Roxoperone; B,HCl, *in* R-00102
2809-21-4 (1-Hydroxyethylidene)bisphosphonic acid, H-00132
2823-42-9 Flumethasone acetate, *in* F-00156
2825-60-7 ▷Formocortal, F-00246
2827-06-7 ▷Xyloxemine; B,HCl, *in* X-00026
2829-19-8 Rolicypram; (2*S*,1′*R**,2*R**)-*form*, *in* R-00076
2835-06-5 2-Amino-2-phenylacetic acid; (±)-*form*, *in* A-00300
2840-26-8 ▷3-Amino-4-methoxybenzoic acid, *in* A-00263
2840-28-0 3-Amino-4-chlorobenzoic acid, A-00224
2856-74-8 2-Methyl-3-(1-piperidinyl)pyrazine, M-00296
2856-75-9 ▷Modaline sulfate, *in* M-00296
2856-81-7 Azabuperone; (±)-*form*, *in* A-00492
2876-78-0 ▷(1-Naphthyl)acetic acid; Me ester, *in* N-00044
2879-80-3 Merochlorophaeic acid, M-00127
2884-67-5 ▷Ectylurea; (*E*)-*form*, *in* E-00011
2891-34-1 1,8-Dihydroxyanthrone; 1-Ac, *in* D-00310
2893-78-9 ▷Aponti-Sterilisierhad. *in* D-00203
2894-67-9 ▷Delorazepam, D-00056
2897-83-8 Alonimid, A-00142
2898-11-5 ▷Medazepam hydrochloride, *in* M-00053
2898-12-6 ▷Medazepam, M-00053
2898-13-7 ▷Sulazepam, S-00180
2901-66-8 ▷Methyl reserpate, *in* R-00028
2908-74-9 4-(4′-Aminobenzamido)antipyrine; B,HCl, *in* A-00211
2908-75-0 Esculamine, E-00121
2917-94-4 Entsufon sodium, *in* E-00069
2919-66-6 ▷Melengestrol acetate, *in* M-00078
2920-86-7 Prednisolone succinate, *in* P-00412
2921-57-5 Methylprednisolone hemisuccinate, *in* M-00297
2921-88-2 ▷Chlorpyrifos, C-00301
2921-92-8 2-Ethyl-2-[(nitrooxy)methyl]-1,3-propanediol dinitrate (ester), *in* E-00194
2922-20-5 Butoxamine, B-00418
2922-44-3 ▷Moramide; (*S*)-*form*, Tartrate (1:1), *in* M-00437
2924-46-1 Haloperidide, H-00014
2924-67-6 ▷Ethyl 4-fluorophenyl sulfone, E-00191
2933-94-0 ▷Toliprolol, T-00352
2935-35-5 2-Amino-2-phenylacetic acid; (*S*)-*form*, *in* A-00300
2949-95-3 Tixadil, T-00328
2950-70-1 Ditetracycline, D-00547
2955-38-6 ▷Prazepam, P-00404
2962-75-6 2,2′-(9,10-Anthrylenedimethylene)bis(isothiourea), A-00404
2971-90-6 ▷3,5-Dichloro-2,6-dimethyl-4(1*H*)-pyridinone, D-00187
2973-26-4 2-Phenyl-4-quinolinecarbonitrile, *in* P-00206
2975-34-0 ▷Carphenazine maleate, *in* C-00095
2975-36-2 ▷Pecazine; B,HCl, *in* P-00048
2981-31-9 ▷1-(1-Phenylcyclohexyl)piperidine; B,HBr, *in* P-00183
2983-26-8 1,2-Dibromo-1-ethoxyethane, *in* E-00225
2987-87-3 4-Amino-4-oxo-2-butenoic acid, *in* F-00274
2988-32-1 ▷Indriline hydrochloride, *in* D-00413
2992-68-9 Isopredon soluble, *in* F-00208
2998-57-4 Estramustine, E-00127
2999-40-8 1,3,5-Benzenetriol; Tri-Ac, *in* B-00076
3000-39-3 ▷Quingestanol acetate, *in* Q-00024
3002-18-4 Tris(2-hydroxyethyl)amine; Tri-Ac, *in* T-00536
3006-10-8 Mecetronium ethylsulfate, *in* E-00182
3011-89-0 Aklomide, *in* C-00258
3013-92-1 5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione; 1,3-Di-Me, *in* F-00190
3025-96-5 ▷4-Aminobutanoic acid; *N*-Ac, *in* A-00221
3030-53-3 Clofenoxyde, C-00453
3031-48-9 Acetergamine, A-00019
3039-97-2 Cafedrine; (1*S*,2*R*)-*form*, B,HCl, *in* C-00009
3040-38-8 ▷Carnitine; (*R*)-*form*, *O*-Ac, *in* C-00084
3044-32-4 Clogestone acetate, *in* C-00463
3046-99-9 Hexachlorophene monophosphate, *in* H-00039
3055-99-0 Polidocanol, P-00380
3060-37-5 ▷2-Ethyl-2-(1-naphthyl)butanoic acid; Na salt, *in* E-00210
3064-61-7 ▷Stibocaptate, S-00149
3074-35-9 Glidazamide, G-00039
3082-58-4 1,2-Diphenylethylamine; (*S*)-*form*, *in* D-00492
3092-17-9 Midodrine hydrochloride, *in* M-00369
3092-61-3 Solutedarol, *in* T-00419
3093-35-4 ▷Halcinonide, H-00004
3094-09-5 Doxifluridine, D-00595
3096-15-9 Nandrolone 17-bis(2-chloroethyl)carbamate, *in* H-00185
3098-60-0 Morphocycline, M-00450
3098-65-5 Arpenal, *in* D-00488
3099-52-3 Nicametate, N-00086
3102-00-9 ▷1-Butoxy-3-phenoxy-2-propanol, B-00423
3105-97-3 ▷Hycanthone, H-00093
3106-85-2 Isospaglumic acid; (*S*,*S*)-*form*, *in* I-00211
3115-05-7 ▷Iobenzamic acid, I-00091
3116-76-5 ▷Dicloxacillin, D-00214
3117-06-4 Tetramethoxy-1,4-benzoquinone, *in* T-00137
3119-15-1 ▷3-Amino-2,4,6-triiodobenzoic acid, A-00340
3122-01-8 ▷Thiazesim hydrochloride, *in* T-00181
3124-93-4 ▷Ethynerone, E-00226
3130-96-9 3,3′,5-Triiodothyronine; (±)-*form*, *in* T-00487
3131-08-6 ▷Phenacridane chloride, *in* H-00074
3137-73-3 Anagestone acetate, *in* A-00375
3147-55-5 3,5-Dibromo-2-hydroxybenzoic acid, D-00165
3147-64-6 2-Hydroxy-6-methoxybenzoic acid, *in* D-00317
3147-75-9 Octrizole, O-00027
3148-09-2 ▷Verrucarin *A*, V-00023
3151-59-5 ▷Hetaflur, *in* H-00042
3160-91-6 ▷Morpholinobiguanide hydrochloride, *in* M-00446
3162-75-2 ▷Azabuperone; (±)-*form*, B,2HCl, *in* A-00492
3164-29-2 ▷Tartaric acid; (2*R*,3*R*)-*form*, Di-NH_4 salt, *in* T-00028
3166-62-9 Methylbenactyzium bromide, *in* M-00227
3168-01-2 Hydroxyhexamide, H-00137
3170-72-7 ▷Ordil, *in* B-00271
3172-99-4 3,9-Dimethoxy-6-oxopterocarpen, *in* C-00558
3176-03-2 ▷Drotebanol, D-00612
3179-63-3 3-Amino-1-propanol; *N*-Di-Me, *in* A-00319
3184-59-6 Alipamide, A-00121
3194-25-0 Nalorphine dinicotinate, *in* N-00032
3198-15-0 ▷2-Amino-1-phenyl-1-propanol; (1*R*,2*S*)-*form*, B,HCl, *in* A-00308
3200-06-4 ▷Praxilene, *in* N-00023
3202-55-9 ▷Benapryzine hydrochloride, *in* B-00037
3202-84-4 4-(2-Hydroxybenzoyl)morpholine, H-00115
3207-12-3 2-Amino-2-methyl-1-propanol; B,HCl, *in* A-00289
3211-76-5 Selenomethionine; (*S*)-*form*, *in* S-00038
3213-30-7 3-Hydroxy-4-methoxyphenethylamine, *in* D-00579
3215-70-1 Hexoprenaline, H-00068
3219-99-6 6-Deoxy-5-hydroxytetracycline; 6β-*form*, *in* D-00080
3228-71-5 9-Arabinofuranosyladenine; α-D-*form*, *in* A-00435
3233-32-7 1,4-Benzenediol; Mono-Ac, *in* B-00074
3239-44-9 ▷Fenfluramine; (*S*)-*form*, *in* F-00050
3239-45-0 Fenfluramine; (*S*)-*form*, B,HCl, *in* F-00050
3240-20-8 ▷Carbenzide, *in* M-00233
3253-60-9 ▷Laudexium methylsulfate, *in* L-00013
3253-62-1 ▷Convallatoxol, *in* T-00478
3254-89-5 ▷Diphenidol hydrochloride, *in* D-00486
3254-93-1 5,5-Diphenyl-4-imidazolidinone, D-00494
3258-51-3 Valofane, V-00004
3261-53-8 ▷Gitaloxin, *in* T-00474
3262-58-6 Aspergillomarasmines; Aspergillomarasmine *B*, *in* A-00462
3269-83-8 ▷Avil, *in* P-00157
3270-71-1 ▷Nifuraldezone, N-00116
3270-78-8 ▷4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+); Dibromide, *in* A-00207
3270-78-8 ▷Quinapyramine, *in* A-00207
3272-27-3 Methoxyurea, *in* H-00220
3277-59-6 Mimbane, M-00380
3286-46-2 Arcalion, *in* T-00174
3313-26-6 ▷Thiothixene; (*Z*)-*form*, *in* T-00213
3313-27-7 ▷Thiothixene; (*E*)-*form*, *in* T-00213

3321-06-0 Denaverine; B,HCl, *in* D-00071
3324-63-8 Warfarin deanol, *in* W-00001
3324-79-6 1,7-Dihydro-6*H*-purine-6-thione; 1,7-*Dihydro-form*, 7-Me, *in* D-00299
3329-14-4 ▷Hoe 10116, *in* F-00071
3329-16-6 Eunarcon, *in* P-00482
3331-71-3 Prednisolone hydrogen tetrahydrophthalate, *in* P-00412
3338-16-7 3,7,12-Trihydroxy-24-cholanoic acid; (3β,5β,7α,12α)-*form*, *in* T-00475
3339-11-5 Tylagel, *in* T-00367
3342-61-8 ▷Deanol aceglumate, *in* D-00408
3343-59-7 3,4-Dihydroxybenzaldehyde; Oxime, *in* D-00311
3344-16-9 Hydrabamine penicillin, *in* B-00126
3344-18-1 Magnesium citrate, M-00007
3352-69-0 ▷Vinblastine; O^4-Deacetyl, *in* V-00032
3362-45-6 Noxiptyline, N-00229
3363-58-4 Nifurfoline, N-00121
3366-95-8 1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
3368-13-6 ▷5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, P-00208
3372-02-9 Normorphine; B,HCl, *in* N-00222
3374-22-9 ▷Cysteine; (±)-*form*, *in* C-00654
3376-83-8 Biotin; (+)-*form*, *S*-Oxide, *in* B-00173
3378-93-6 Clociguanil, C-00442
3380-34-5 ▷2,4,4′-Trichloro-2′-hydroxydiphenyl ether, T-00437
3383-96-8 ▷Temephos, T-00061
3385-03-3 ▷Flunisolide, F-00167
3397-23-7 Vasopressins; 8-L-Ornithinevasopressin, *in* V-00013
3403-42-7 ▷Tentone, *in* M-00190
3403-47-2 5-Amino-2-methoxybenzoic acid, *in* A-00266
3413-58-9 ▷6′-Ethoxy-10,11-dihydrocinchonan-9-ol; B,HCl, *in* E-00163
3415-45-0 Dehydrocholylglycine, *in* D-00049
3416-24-8 ▷2-Amino-2-deoxyglucose; D-*form*, *in* A-00235
3416-26-0 Lidoflazine, L-00045
3419-18-9 4-Aminobenzaldehyde; Oxime, *in* A-00210
3425-97-6 ▷Dimecolonium iodide, *in* D-00376
3426-08-2 1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, D-00512
3428-90-8 1-Nitro-2-pentanol; (±)-*form*, Ac, *in* N-00183
3434-88-6 Oestradiol; 17β-*form*, Di-Ac, *in* O-00028
3436-11-1 Delfantrine, D-00053
3441-64-3 ▷Sidnofen, *in* F-00086
3447-95-8 ▷Benfurodil hemisuccinate, B-00053
3458-22-8 ▷NSC 102627, *in* I-00037
3459-06-1 Cyclopentamine hydrochloride, *in* A-00232
3459-20-9 ▷Glymidine sodium, *in* G-00075
3459-96-9 Amicarbalide, A-00186
3468-53-9 3-Pyridinecarboxylic acid; Ph ester, *in* P-00571
3468-99-3 Diphenylacetic acid; Et ester, *in* D-00488
3469-00-9 Diphenylacetic acid; Me ester, *in* D-00488
3473-11-8 Formaldehyde; Oxime; B,HCl, *in* F-00244
3477-97-2 ▷Difemerine, D-00261
3478-15-7 Etipirium iodide, *in* E-00238
3478-44-2 Exiproben; (±)-*form*, Na salt, *in* E-00280
3481-26-3 Benzamon, *in* F-00282
3482-74-4 Clofexamide; B,HCl, *in* C-00455
3484-65-9 Aspergillomarasmines; Aspergillomarasmine *A*, *in* A-00462
3485-14-1 ▷Cyclacillin, C-00585
3485-62-9 ▷Clidinium bromide, *in* C-00425
3486-86-0 ▷Sodium butallylonal, *in* B-00290
3505-38-2 ▷Carbinoxamine maleate, *in* C-00052
3506-31-8 Deterenol; (±)-*form*, *in* D-00106
3511-16-8 Hetacillin, H-00035
3521-62-8 ▷Erythromycin estolate, *in* E-00115
3521-84-4 ▷Iodipamide meglumine, *in* I-00097
3538-57-6 Haloprogesterone, H-00017
3540-95-2 Fenpiprane, F-00071
3543-75-7 ▷Cytostasan, *in* B-00044
3544-25-0 (4-Aminophenyl)acetic acid; Nitrile, *in* A-00299
3544-35-2 ▷Iproclozide, I-00158
3546-03-0 ▷Cyamemazine, C-00578
3546-21-2 ▷3,8-Diamino-5-ethyl-6-phenylphenanthridinium(1+), D-00132
3546-29-0 ▷Kemithal, *in* T-00172
3546-41-6 ▷Viprynium embonate, *in* V-00052
3551-18-6 Acetryptine, A-00027
3555-84-8 2,4-Dihydroxybenzophenone; Di-Me ether, *in* D-00318
3556-79-4 Δ^9-Tetrahydrocannabinol; (6*aRS*,10*aRS*)-*form*, *in* T-00115
3558-60-9 ▷1-Methoxy-2-phenylethane, *in* P-00187
3562-15-0 ▷Isobucaine hydrochloride, *in* I-00179
3562-55-8 ▷Piprocurarium iodide, *in* P-00308
3562-63-8 17-Hydroxy-6-methyl-4,6-pregnadiene-3,20-dione; 17α-*form*, *in* H-00174
3562-84-3 ▷Benzbromarone, B-00072
3562-99-0 4-Methoxy-γ-oxo-1-naphthalenebutanoic acid, M-00208
3563-01-7 ▷Aprofene, A-00431
3563-14-2 Sulfasuccinamide, S-00209
3563-49-3 Pyrovalerone, P-00592
3563-58-4 Chlorhexadol, C-00205
3563-77-7 Clopamide, C-00480
3563-92-6 ▷Zylofuramine, Z-00040
3565-03-5 Pimetine, P-00258
3565-15-9 ▷Iothiouracil sodium, *in* D-00287
3565-72-8 Embramine, E-00033
3565-92-2 Tridiurecaine, T-00455
3566-55-0 ▷Galbanic acid, G-00003
3567-08-6 ▷Isobuzole, I-00180
3567-38-2 ▷Carfimate, *in* P-00204
3567-40-6 Dioxamate, D-00473
3568-00-1 Mebutizide, M-00040
3568-16-9 Phenaline, P-00140
3568-23-8 ▷Indorm, *in* P-00504
3568-43-2 *N*-[(4-Aminophenyl)sulfonyl]-*N*-(6-methoxy-3-pyridazinyl)acetamide, *in* S-00246
3569-26-4 Indopine, I-00067
3569-58-2 ▷Oxysonium iodide, *in* O-00165
3569-59-3 ▷Hexasonium iodide, *in* H-00062
3569-77-5 [4-[(4-Aminophenyl)sulfonyl]phenyl]urea, A-00312
3570-07-8 Dimecamine, D-00375
3570-10-3 ▷Benorterone, B-00056
3570-29-4 Trichlorex, *in* T-00441
3570-46-5 ▷Ethomoxane, E-00158
3570-75-0 ▷Nifurthiazole, N-00133
3571-53-7 Estradiol undecylate, *in* O-00028
3571-71-9 ▷Metaterol, M-00151
3572-43-8 Bromhexine, B-00289
3572-52-9 Xenysalate, X-00010
3572-60-9 Amidinomycin, A-00192
3572-74-5 ▷Moxastine, M-00460
3572-80-3 ▷Cyclazocine; (±)-*form*, *in* C-00588
3573-82-8 Hygrophylline, *in* P-00372
3574-23-0 Glucuronamide; α-D-*form*, *in* G-00058
3574-23-0 Glucuronamide; β-D-*form*, *in* G-00058
3575-80-2 Melperone, M-00083
3576-64-5 Clefamide, C-00415
3577-01-3 ▷Cephaloglycin, C-00174
3577-94-4 2,2′-(1,2-Ethanediyldiimino)bis(1-butanol), E-00148
3578-28-7 Diphenylacetic acid; 3-(Diethylamino)propyl ester, *in* D-00488
3579-62-2 Denaverine, D-00071
3580-54-9 Aristolochic acid II methyl ester, *in* M-00252
3583-64-0 Bumadizone, B-00353
3590-16-7 Feclemine, F-00025
3595-22-0 Cefaloram; Me ester, *in* C-00111
3595-25-3 Cefaloram; 5-Oxide, *in* C-00111
3598-37-6 ▷Acepromazine maleate, *in* A-00015
3599-32-4 ▷Indocyanine green; Na salt, *in* I-00062
3601-19-2 Ropizine, R-00090
3605-01-4 ▷Piribedil, P-00324
3607-18-9 Doxepin; (*Z*)-*form*, *in* D-00594
3607-24-7 Fenyripol, F-00082
3609-48-1 3-Hydroxy-3,3-diphenylpropanoic acid, H-00126

3611-72-1 Cloridarol, C-00498
3612-98-4 Troxypyrrolium tosylate, *in* T-00561
3613-12-5 Hycanthone; B,HCl, *in* H-00093
3614-30-0 ▷Emepronium bromide, *in* E-00035
3614-47-9 6-Hydrazino-3-pyridazinecarboxamide, H-00097
3614-69-5 ▷Dimethindene maleate, *in* D-00391
3615-24-5 ▷Ramifenazone, R-00007
3615-74-5 Promolate, P-00480
3616-05-5 Pyritidium(2+), P-00589
3624-87-1 ▷Metabutoxycaine, M-00144
3624-96-2 ▷Bialamicol hydrochloride, *in* B-00150
3625-06-7 ▷Mebeverine, M-00033
3625-07-8 Mebolazine, M-00037
3626-00-4 Ethylenediaminetetraacetic acid; Tetra-Et ester, *in* E-00186
3626-66-2 ▷Perastine; B,HCl, *in* P-00114
3626-67-3 2-(2,2-Dicyclohexylvinyl)piperidine, D-00217
3627-49-4 ▷Operidine, *in* P-00165
3635-74-3 ▷Deaner, *in* D-00408
3638-82-2 Propetandrol, P-00500
3639-19-8 ▷[1,2-Ethanediylbis(imino-4,1-phenylene)]-bisarsonic acid, E-00147
3642-89-5 ▷Androst-5-en-3,16-diol; (3β,16α)-*form*, *in* A-00382
3643-00-3 Oxogestone, O-00129
3653-53-0 Aminoquinol; $B,3H_3PO_4$, *in* A-00331
3658-25-1 (1,1,3,3-Tetramethylbutyl)guanidine, T-00145
3666-68-0 ▷Etoxadrol; (±)-*form*, B,HCl, *in* E-00264
3666-69-1 ▷Dioxadrol hydrochloride, *in* D-00472
3667-38-7 4-(Aminomethyl)cyclohexanecarboxylic acid; *cis*-*form*, B,HCl, *in* A-00281
3667-39-8 4-(Aminomethyl)cyclohexanecarboxylic acid; *trans*-*form*, B,HCl, *in* A-00281
3670-67-5 TG 16, *in* H-00037
3670-68-6 ▷3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone, P-00289
3671-05-4 Fenocinol, F-00060
3671-72-5 ▷Diampron, *in* A-00186
3680-32-8 Dechlorogriseofulvin, *in* G-00087
3684-26-2 3-Quinuclidinol; (±)-*form*, *in* Q-00035
3684-46-6 Broxaldine, *in* D-00166
3685-84-5 ▷Lucidril, *in* M-00046
3686-58-6 Tolycaine, T-00373
3686-68-8 Hydroxycaine, H-00119
3686-78-0 Dietifen, D-00259
3687-44-3 Orotic acid dimethylamide, *in* O-00061
3687-61-4 ▷Mexolamine, M-00353
3688-62-8 Tetrameprozine, *in* P-00521
3688-65-1 Codeine N-oxide, *in* C-00525
3688-66-2 ▷Nicocodine, N-00095
3688-85-5 ▷4-Chloro-*N*-methyl-3-[(methylamino)sulfonyl]-benzamide, C-00255
3689-50-7 ▷Oxomemazine, O-00132
3689-73-4 Penethamate, P-00061
3689-76-7 ▷Chlormidazole, C-00211
3690-58-2 Fubrogonium iodide, *in* F-00272
3690-61-7 Prodeconium bromide, *in* P-00457
3691-16-5 ▷2-(1-Aziridinyl)-1-vinylethanol, A-00527
3691-21-2 Buzepide, B-00434
3691-78-9 Benzethidine BAN, B-00078
3692-44-2 Thiohexamide, T-00203
3693-39-8 Fluclorolone acetonide, F-00138
3694-41-5 Prednisolone *m*-sulfobenzoate, *in* P-00412
3696-28-4 Dipyrithione, *in* D-00551
3697-42-5 Chlorhexidine hydrochloride, *in* C-00206
3703-76-2 ▷Cloperastine, C-00482
3703-79-5 ▷Bamethan, B-00010
3704-09-4 ▷Mibolerone, M-00361
3715-90-0 ▷Tramazoline hydrochloride, *in* T-00395
3717-88-2 ▷Flavoxate hydrochloride, *in* F-00112
3721-26-4 2-Phenylcyclopropylamine; (1*R*,2*S*)-*form*, *in* P-00186
3721-28-6 ▷2-Phenylcyclopropylamine; (1*S*,2*R*)-*form*, *in* P-00186
3722-95-0 1,6-Dihydroxyxanthone; 6-Ac, *in* D-00357
3731-52-0 3-(Aminomethyl)pyridine, A-00290
3731-59-7 Moroxydine, M-00446
3733-63-9 ▷Decloxizine, D-00040
3733-81-1 ▷Defosfamide, D-00047
3734-12-1 Hexopyrronium bromide, *in* H-00069
3734-16-5 ▷Prodilidine hydrochloride, *in* P-00459
3734-17-6 ▷Prodilidine, P-00459
3734-26-7 ▷*N*′,α-Dimethylphenethylhydrazine, D-00442
3734-33-6 ▷Denatonium benzoate, *in* D-00070
3734-52-9 Metazocine, M-00155
3735-08-8 1,1-Diphenyl-3-piperidino-1-butanol, D-00507
3735-45-3 Vetrabutine, V-00027
3735-65-7 Butynamine, B-00433
3735-85-1 Mefeserpine, M-00066
3735-90-8 ▷Phencarbamide, P-00150
3736-08-1 Fenethylline, F-00047
3736-81-0 Diloxanide furoate, *in* D-00372
3736-90-1 Diodone meglumine, *in* D-00363
3736-92-3 ▷1,2-Diphenyl-4-[2-(phenylthio)ethyl)]-3,5-pyrazolidinedione, D-00501
3737-09-5 ▷Disopyramide, D-00537
3737-33-5 Sergetyl, *in* E-00266
3743-28-0 3-Hydroxybenzanilide, *in* A-00297
3747-31-7 Pronethalol; (±)-*form*, B,HBr, *in* P-00483
3748-77-4 Bunamidine, B-00359
3754-19-6 Ambuside, A-00174
3758-34-7 Estradiol monopropionate, *in* O-00028
3758-59-6 2-Methyl-4-pyridinecarboxylic acid; Hydrazide, *in* M-00303
3759-07-7 ▷Isotonil, *in* D-00387
3764-87-2 Normethandrone; (7α,17β)-*form*, *in* N-00221
3770-63-6 Phenprocoumon; (*S*)-*form*, *in* P-00174
3771-19-5 ▷Nafenopin, N-00014
3772-42-7 ▷Farmocaine, *in* A-00216
3772-76-7 ▷Sulfametomidine, S-00197
3776-92-9 ▷Frugalan, *in* F-00291
3776-93-0 ▷Furfenorex; (+)-*form*, *in* F-00291
3778-73-2 ▷Ifosfamide, I-00021
3778-76-5 Ecarazine hydrochloride, JAN, *in* T-00338
3780-72-1 ▷Morsuximide, M-00453
3781-28-0 ▷Propyperone, P-00518
3784-89-2 Phenactropinium chloride, *in* P-00137
3784-99-4 ▷Stilbazium iodide, *in* S-00152
3785-21-5 Butanilicaine, B-00390
3785-44-2 Bisdequalinium diacetate, *in* B-00202
3788-16-7 (Cyclohexylmethyl)hydrazine, C-00616
3795-88-8 Furaltadone; (*S*)-*form*, *in* F-00281
3796-63-2 Teprenone, JAN; (all-*E*)-*form*, *in* T-00078
3800-86-0 Dexamethasone succinate, *in* D-00111
3800-98-4 Trifluomeprazine; B,HCl, *in* T-00462
3801-06-7 Fluorometholone acetate, *in* F-00186
3804-89-5 ▷Isonate sodium, *in* I-00195
3810-35-3 ▷Tenonitrozole, T-00072
3810-74-0 ▷Streptomycin; $2B,3H_2SO_4$, *in* S-00161
3810-80-8 ▷Difenoxin; Et ester; B,HCl, *in* D-00265
3810-83-1 Pentacynium methyl sulfate, *in* P-00076
3810-85-3 3,4-Dihydroxy-α-[(1-methyl-3-phenylpropyl)amino]-propiophenone; B,HCl, *in* D-00335
3811-06-1 Carbidium ethane sulfonate, *in* C-00049
3811-25-4 Clorprenaline, C-00502
3811-56-1 ▷*N*,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)urea, B-00190
3811-75-4 Hexamidine, H-00058
3818-37-9 (1-Methyl-2-phenoxyethyl)hydrazine, M-00282
3818-40-4 Quateron, *in* B-00420
3818-50-6 Bephenium hydroxynaphthoate, *in* B-00132
3818-62-0 ▷Betoxycaine, B-00145
3818-88-0 ▷Tricyclamol chloride, *in* P-00455
3819-00-9 ▷Piperacetazine, P-00282
3819-34-9 Phenamet, P-00142
3820-67-5 ▷Glafenine, G-00027
3833-99-6 Homofenazine, H-00084
3836-23-5 ▷Norethisterone enanthate, *in* N-00212
3837-23-8 Epadren, *in* B-00123
3841-11-0 Fluperolone, F-00201
3841-16-5 Dipyrandium(2+); Diiodide, *in* D-00529

3845-07-6 Nimaol, *in* M-00258
3845-16-7 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Anilide, *in* O-00125
3845-22-5 Teroxalene hydrochloride, *in* T-00095
3847-29-8 ▷Erythromycin lactobionate, *in* E-00115
3851-30-7 ▷1-Benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole, B-00130
3853-88-1 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid; (1α,2β,3β,4α)-*form*, *in* B-00157
3858-89-7 Chloroprocaine hydrochloride, *in* C-00277
3860-46-6 ▷Narcotine; (1*R*,9*R*)-*form*, *in* N-00052
3861-73-2 ▷CI acid blue 92, *in* A-00379
3861-76-5 Clonitazene, C-00478
3863-59-0 ▷Hydrocortisone phosphate, *in* C-00548
3871-82-7 ▷Moperone hydrochloride, JAN, *in* M-00432
3876-10-6 5-(4-Chlorophenyl)-4,5-dihydro-2-oxazolamine, C-00263
3896-11-5 Bumetrizole, B-00357
3900-31-0 ▷Fludiazepam, F-00144
3902-71-4 ▷Trioxsalen, T-00521
3922-74-5 Amoxydramine, *in* D-00484
3922-90-5 ▷Oleandomycin, O-00035
3924-70-7 Amcinafal, *in* T-00419
3930-19-6 ▷Streptonigrin, S-00162
3930-20-9 Sotalol, S-00106
3936-02-5 Dexamethasone; 21-(3-Sulfobenzoate), Na salt, *in* D-00111
3941-06-8 ▷Drazine, *in* M-00282
3943-91-7 2,5-Dihydroxybenzoic acid; Et ester, *in* D-00316
3963-95-9 ▷Methacycline hydrochloride, *in* M-00161
3964-81-6 Azatadine, A-00512
3978-86-7 ▷Azatadine maleate, *in* A-00512
4004-94-8 Zolertine, Z-00030
4005-10-1 Zolertine; B,2HCl, *in* Z-00030
4008-48-4 ▷8-Hydroxy-5-nitroquinoline, H-00182
4013-92-7 Susat, *in* M-00257
4015-18-3 ▷Sulfaclomide, S-00188
4015-32-1 4-Ethyl-6,7-dimethoxyquinazoline, E-00181
4021-11-8 2-Methyl-4-pyridinecarboxylic acid, M-00303
4023-00-1 1*H*-Pyrazole-1-carboximidamide, P-00562
4023-02-3 1*H*-Pyrazole-1-carboximidamide; B,HCl, *in* P-00562
4028-98-2 ▷Dequalinium acetate, *in* D-00088
4031-12-3 Shihunine, S-00062
4039-98-9 2,4-Diamino-1,3,5-triazine; *N*,*N*-Di-Me, *in* D-00136
4042-30-2 2-Cyclohexyl-3-hydroxy-1,4-naphthoquinone, C-00613
4042-36-8 5-Oxo-2-pyrrolidinecarboxylic acid; (*R*)-*form*, *in* O-00140
4044-65-9 ▷1,4-Diisothiocyanatobenzene, D-00369
4047-34-1 Trantelinium bromide, *in* T-00399
4049-33-6 Tetra-*O*-acetyl-β-D-xylopyranose, *in* X-00024
4052-13-5 Cloperidone, C-00483
4064-09-9 3,5,14-Trihydroxy-19-oxo-20,22-bufadienolide; (3β,5β,14β)-*form*, 3-Ac, *in* T-00477
4065-45-6 5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid, B-00098
4071-16-3 2-Methyl-1*H*-indole-3-acetonitrile, *in* M-00263
4071-37-8 Kainic acid; Di-Me ester, *in* K-00001
4071-39-0 α-Allokainic acid, *in* K-00001
4075-88-1 Oxifentorex, O-00112
4079-52-1 2-Methoxyacetophenone, *in* H-00107
4089-04-7 Methylcarbamic acid; 2-Naphthyl ester, *in* M-00238
4091-75-2 Clomestrone, C-00467
4093-35-0 Bromopride, B-00317
4093-36-1 Bromopride; B,2HCl, *in* B-00317
4110-35-4 ▷1-Cyano-3,5-dinitrobenzene, *in* D-00468
4124-41-8 4-Methylbenzenesulfonic acid; Anhydride, *in* M-00228
4125-58-0 2-Methylamino-1-phenyl-1-propanol; (1*RS*,2*RS*)-*form*, *in* M-00221
4135-11-9 ▷Polymyxin B_1, P-00384
4136-97-4 4-Amino-2-hydroxybenzoic acid; Me ester, *in* A-00264
4138-96-9 17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid; 17α-*form*, *in* H-00186
4140-20-9 Estrapronicate, *in* O-00028
4148-16-7 ▷Ritrosulfan, R-00068
4148-59-8 1,3:2,4-Di-*O*-benzylideneerythritol, *in* E-00114
4151-98-8 2-Chloro-3-ethoxy-1-propanol, *in* C-00278
4159-77-7 4,5,6,7-Tetrachloro-3′,6′-dihydroxy-2′,4′,5′,7′-tetraiodospiro[isobenzofuran-1(3*H*),9′-[9*H*]-xanthene]-3-one, T-00105
4164-37-8 ▷Piperazine; 1,4-Dinitro, *in* P-00285
4171-13-5 ▷Axiquel, *in* E-00204
4172-63-8 Hydroxycaine hydrochloride, *in* H-00119
4177-58-6 Clotixamide, C-00511
4187-87-5 1-Phenyl-2-propyn-1-ol, P-00204
4199-09-1 Propranolol; (*S*)-*form*, *in* P-00514
4201-22-3 Tolonidine, T-00358
4205-90-7 Clonidine, C-00477
4205-91-8 ▷Clonidine hydrochloride, *in* C-00477
4210-97-3 4-Guanidinobutyramide, *in* G-00110
4213-51-8 ▷Bromacrylide, B-00281
4214-72-6 *N*-(1-Methylethyl)-2-pyridinamine, *in* A-00325
4215-74-1 Epipachysamine C, *in* P-00416
4252-82-8 4-Hydroxyhygrinic acid, *in* H-00210
4255-23-6 4-Amino-5-phenyl-1-pentene, A-00307
4255-24-7 ▷Aletamine hydrochloride, *in* A-00307
4257-98-1 Tetra-*O*-acetyl-α-D-xylopyranose, *in* X-00024
4258-85-9 Clocortolone acetate, *in* C-00444
4263-84-7 Berberine; Iodide, *in* B-00135
4267-05-4 Teclothiazide, T-00047
4267-81-6 Bolazine, *in* H-00153
4268-36-4 ▷Tybamate, T-00577
4270-10-4 Octotiamine; B,HCl, *in* O-00023
4275-28-9 ▷2,2′-Thiobisethanol; Di-Ac, *in* T-00195
4281-40-7 6,7-Dimethoxy-4-methyl-2*H*-1-benzopyran-2-one, *in* D-00332
4291-63-8 2-Chloro-2′-deoxyadenosine, *in* C-00214
4295-55-0 2′,3′-Dichlorodiphenylamine-2-carboxylic acid, D-00188
4295-63-0 ▷Meprothixol, M-00106
4298-15-1 Cletoquine, C-00422
4299-60-9 Sulfisoxazole diolamine, *in* S-00215
4304-01-2 Truxicurium(2+); Diiodide, *in* T-00562
4304-40-9 Thenium closylate, *in* T-00164
4310-35-4 Tridihexethyl chloride, *in* T-00454
4310-89-8 ▷Hedaquinium chloride, *in* H-00023
4314-54-9 2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol, T-00503
4317-14-0 ▷Amitryptylinoxide, *in* N-00224
4318-52-9 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 1*H*-*form*, 1,5,7-Tri-Me, *in* P-00564
4319-56-6 Deoxycortone glucoside, *in* H-00203
4320-13-2 Thiazinamium chloride, *in* T-00182
4323-43-7 ▷Hexoprenaline hydrochloride, JAN, *in* H-00068
4330-99-8 ▷Trimeprazine tartrate, *in* T-00495
4331-85-5 3,5,14-Trihydroxy-19-oxo-20(22)-cardenolide; (3β,5β,14β,17α)-*form*, *in* T-00478
4335-77-7 2-Cyclohexyl-2-hydroxy-2-phenylacetic acid, C-00614
4342-03-4 ▷Dacarbazine, D-00001
4345-03-3 α-Tocopherol succinate, *in* T-00335
4350-07-6 5-Hydroxytryptophan; (*R*)-*form*, *in* H-00219
4350-09-8 ▷5-Hydroxytryptophan; (*S*)-*form*, *in* H-00219
4354-45-4 ▷Propenzolate; (3*R*,2′*RS*)-*form*, *in* P-00497
4356-33-6 ▷3′-O-Methylevomonoside, *in* D-00274
4358-63-8 Benzenesulfonic acid; Ph ester, *in* B-00075
4360-12-7 ▷Ajmaline, A-00088
4366-18-1 Cumetharol, C-00573
4368-28-9 ▷Tetrodotoxin, T-00156
4370-33-6 ▷TA-306, *in* M-00476
4375-07-9 ▷Epipodophyllotoxin, *in* P-00377
4378-36-3 ▷Phenbutrazate, P-00149
4386-35-0 Meralein sodium, *in* M-00111
4386-39-4 2-Hydroxy-3-methylbenzoic acid; Ac, *in* H-00155
4386-76-9 Troxonium(1+), T-00560
4388-82-3 ▷Barbexaclone, *in* E-00218
4394-00-7 ▷Niflumic acid, N-00113
4394-04-1 2-[(2,6-Dimethylphenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326

4394-05-2 2-[(2,3-Dimethylphenyl)amino)-3-pyridinecarboxylic acid, *in* A-00326
4397-91-5 Nicofurate, *in* M-00308
4406-22-8 Cyprenorphine, C-00646
4408-78-0 Phosphonoacetic acid, P-00215
4409-34-1 17-Hydroxy-4-oestren-3-one; 17α-*form*, *in* H-00185
4410-48-4 ▷Ajmaline; B,HCl, *in* A-00088
4412-21-9 Dinaphthimine, D-00464
4419-39-0 Beclomethasone, B-00024
4419-81-2 Gramicidins *A-D*; 1-L-Valinegramicidin *A*, *in* G-00084
4419-92-5 Aciphen, *in* H-00112
4420-46-6 2-Phenyl-4-quinolinecarboxylic acid; Et ester, *in* P-00206
4428-95-9 Phosphonoformic acid, P-00216
4430-49-3 1,1′-Sulfonylbis[4-isothiocyanatobenzene], S-00221
4434-05-3 ▷Coumermycin A_1, C-00557
4434-20-2 Clothixamide maleate, *in* C-00511
4438-22-6 Aminoxytropine tropate, *in* T-00554
4439-25-2 Metabutethamine, M-00143
4439-67-2 Amikhelline, A-00197
4442-60-8 Butamoxane, B-00388
4444-23-9 2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312
4448-96-8 ▷Solypertine, S-00096
4464-33-9 Xanthocillin X dimethyl ether, *in* X-00005
4474-91-3 Angiotensins; 5-L-Isoleucineangiotensin II, *in* A-00385
4480-58-4 Streptonicozid, *in* S-00161
4498-32-2 ▷Dibenzepin, D-00156
4499-40-5 ▷Choline theophyllinate, *in* C-00308
4510-16-1 ▷9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*Z*,8*R*,9*R*,11*R*,12*S*,13*E*,15*S*)-*form*, *in* T-00483
4530-70-5 *N*,α-Dimethyl-*N*-2-propynylphenethylamine; (±)-*form*, *in* D-00449
4533-39-5 ▷Nitracrine, N-00163
4533-89-5 Flunisolide acetate, *in* F-00167
4544-15-4 ▷Pensanate, *in* P-00291
4546-39-8 Piperilate, P-00291
4546-48-9 2-Phenyl-4-quinolinecarboxylic acid; Me ester, *in* P-00206
4547-76-6 Hexestrol diacetate, *in* B-00220
4548-15-6 Flunidazole, F-00166
4548-34-9 2-Phenylcyclopropylamine; (1*S*,2*R*)-*form*, B,HCl, *in* P-00186
4551-59-1 ▷Fenalamide, F-00033
4553-11-1 5-Bromo-1*H*-indole-2,3-dione; 3-Thiosemicarbazone, *in* B-00305
4562-36-1 ▷Gitoxin, *in* T-00474
4564-87-8 ▷Carbomycin, C-00056
4572-56-9 ▷Bromotetracycline, B-00318
4574-60-1 Atropine oxide hydrochloride, *in* T-00554
4575-34-2 Myfadol, M-00476
4578-66-9 2-Hydroxybenzoic acid; Benzoyl, *in* H-00112
4582-18-7 Endomide, E-00048
4589-33-7 Bostrycoidin, B-00259
4593-89-9 N-Acetylmescaline, *in* M-00131
4596-16-1 Hydroxyprogesterone heptanoate, *in* H-00202
4598-67-8 Pregnenolone succinate, *in* H-00205
4599-60-4 Penimepicycline, P-00068
4611-02-3 ▷Neuriplege, *in* C-00296
4618-18-2 Lactulose, L-00005
4630-95-9 ▷Prifinium bromide, *in* P-00430
4635-27-2 Ritodrine, R-00067
4640-29-3 2,5-Dihydroxybenzoic acid; Nitrile, *in* D-00316
4662-17-3 Furidarone, F-00292
4663-83-6 2-Hydroxyethyl benzylcarbamate, H-00129
4680-36-8 Fusidic acid; 11-Epimer, *in* F-00303
4680-37-9 Fusidic acid; 3-Ketone, *in* F-00303
4680-51-7 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 1*H*-*form*, 5,7-Di-Me, *in* P-00564
4682-36-4 Orphenadrine citrate, *in* O-00064
4684-28-0 Norhyoscine, *in* S-00031
4684-87-1 (1-Methylheptyl)hydrazine, M-00258
4685-07-8 Distigmine(2+), D-00540
4695-13-0 ▷Diphenylacetic acid; Amide, *in* D-00488
4696-76-8 ▷Kanamycin *B*, K-00005
4697-14-7 ▷Ticarcillin sodium, *in* T-00255
4697-36-3 Carbenicillin, C-00045
4724-59-8 Clamoxyquin hydrochloride, *in* C-00407
4729-93-5 Pentamoxane; (±)-*form*, B,HCl, *in* P-00088
4730-07-8 Pentamoxane, P-00088
4732-48-3 Meclorisone, M-00049
4740-24-3 4-Aminobenzoic acid; *N*-Butyl, *in* A-00216
4741-41-7 Dioxadrol; (+)-*form*, *in* D-00472
4747-24-4 Spofa 325, *in* M-00460
4753-68-8 2-Furanmethanamine; B,HCl, *in* F-00282
4755-50-4 4-(Dimethylamino)benzoic acid; Chloride, *in* D-00405
4755-59-3 ▷Clodazon, C-00448
4757-49-7 Monometacrine, M-00429
4757-55-5 ▷Dimetacrine, D-00387
4759-48-2 ▷Retinoic acid; (13*Z*)-*form*, *in* R-00033
4764-17-4 ▷Tenamfetamine, T-00066
4773-12-0 Phenol; Sulfite, *in* P-00161
4774-24-7 2-(1-Piperazinyl)quinoline, P-00286
4774-53-2 Botiacrine, B-00260
4776-06-1 Fluorosalan, F-00191
4780-24-9 Isopropicillin, I-00200
4780-31-8 2-Hexyl-2-(hydroxymethyl)-1,3-propanediol, H-00072
4784-40-1 Doxergan, *in* O-00132
4792-18-1 Dioxadrol; (−)-*form*, *in* D-00472
4800-93-5 11-Methoxyeburnamonine, *in* E-00003
4800-94-6 ▷Carbenicillin disodium, *in* C-00045
4803-27-4 ▷Anthramycin, A-00403
4803-45-6 Thiphencillin potassium, *in* T-00216
4825-53-0 Hexestrol dipropionate, *in* B-00220
4828-27-7 Clocortolone, C-00444
4828-39-1 15α-Hydroxytomatidine, *in* T-00374
4834-58-6 4-Amino-3-isoxazolidinone, A-00277
4838-37-3 Testosterone hexyloxyphenylpropionate, *in* H-00111
4838-96-4 N-Methylmescaline, *in* M-00131
4844-10-4 Hexafluorenium(2+), H-00046
4845-30-1 Hexonat, *in* H-00055
4846-91-7 Fenoxazoline, F-00066
4847-05-6 *N*-Nitrosotomatidine, *in* T-00374
4849-90-5 6-Hydroxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00160
4858-60-0 Mefenidramium metilsulfate, *in* M-00064
4858-96-2 *N*,*N*,*N*-Trimethyl-2-(sulfooxy)ethanaminium hydroxide inner salt, *in* C-00308
4871-82-3 1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone; (±)-*form*, B,HCl, *in* P-00199
4874-36-6 5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione, M-00119
4874-40-2 5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione; *S*-Me, *in* M-00119
4874-41-3 5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione; *S*-Et, *in* M-00119
4876-45-3 ▷Camphotamide, *in* D-00241
4880-88-0 Eburnamonine; (−)-*form*, *in* E-00003
4880-92-6 Apovincamine, A-00426
4888-97-5 6-Aminopenicillanic acid; 4-Oxide, *in* A-00295
4891-15-0 ▷Estramustine phosphate, *in* E-00127
4891-71-8 Clocortolone caproate, *in* C-00444
4892-02-8 ▷2-Mercaptobenzoic acid; Me ester, *in* M-00114
4904-00-1 ▷Cyprolidol; (1*RS*,2*SR*)-*form*, *in* C-00649
4907-84-0 ▷Prothixene; B,HCl, *in* P-00537
4910-32-1 Thiocarbamic acid; *N*-Ph, *S*-Ph ester, *in* T-00196
4910-46-7 Spaglumic acid, *in* A-00461
4914-30-1 ▷Dehydroemetine, D-00050
4919-04-4 5-Amino-1*H*-imidazole-4-carboxylic acid, A-00275
4936-47-4 ▷Nifuratel, N-00118
4938-00-5 3-[(Carboxymethyl)thio]propanoic acid, C-00066
4939-34-8 2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline, M-00259
4940-39-0 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, O-00125
4945-47-5 ▷4-(*N*-Benzylanilino)-1-methylpiperidine, B-00106
4947-43-7 Dictyophlebine, *in* P-00416
4947-48-2 N,N-Diacetylepipachysamine C, *in* P-00416
4955-03-7 Mokkolactone, M-00422

4955-90-2 ▷Sodium gentisate, *in* D-00316
4956-37-0 Estradiol enanthate, *in* O-00028
4960-10-5 Perastine, P-00114
4961-40-4 Triethylenetetramine; B,4HCl, *in* T-00457
4968-09-6 ▷Algestone acetonide, *in* A-00114
4968-29-0 7-Isopropyl-1,4-dimethylazulene; 1,3,5-Trinitrobenzene complex, *in* I-00204
4969-02-2 ▷Methixene, M-00185
4972-65-0 Paracetamol nicotinate, *in* A-00298
4985-15-3 ▷Agedal, *in* N-00229
4985-24-4 Sparteine; (±)-*form*, *in* S-00110
4985-25-5 Pyrazinobutazone, *in* P-00180
4989-94-0 Triamcinolone furetonide, *in* T-00419
4991-65-5 Thioxolone, T-00214
4991-68-8 Pimetine hydrochloride, *in* P-00258
5001-32-1 Guanochlor, G-00114
5002-47-1 ▷Fluphenazine decanoate, *in* F-00202
5003-47-4 Millicaine, *in* B-00145
5003-48-5 ▷Benorylate, B-00057
5005-71-0 ▷1-(Cyclohexylmethyl)piperidine; B,HCl, *in* C-00617
5005-72-1 ▷1-(Cyclohexylmethyl)piperidine, C-00617
5011-34-7 Trimetazidine, T-00497
5015-36-1 Medrol stabisol, *in* M-00297
5018-91-7 10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid, D-00282
5029-05-0 Antienite, A-00413
5034-76-4 2,3-Bis(4-methoxyphenyl)-1*H*-indole, B-00227
5034-77-5 ▷Imidazole mustard, I-00030
5034-92-4 5,6-Dibromocholestan-3-ol; (3β,5β,6α)-*form*, *in* D-00162
5036-02-2 Tetramisole; (±)-*form*, *in* T-00151
5036-03-3 ▷Nifurdazil, *in* N-00115
5041-68-9 Polystachoside, *in* P-00082
5042-08-0 1,6-Dihydroxyxanthone, D-00357
5051-16-1 ▷Nafiverine hydrochloride, *in* N-00017
5051-22-9 Propranolol; (*R*)-*form*, *in* P-00514
5051-62-7 Guanabenz, G-00098
5053-06-5 ▷Fenspiride, F-00076
5053-08-7 ▷Fenspiride hydrochloride, *in* F-00076
5054-57-9 ▷Nifenalol, N-00111
5054-75-1 Nicoxyphenisatin, *in* O-00160
5055-20-9 ▷Nifurquinazol, N-00130
5055-42-5 17β-[(Trimethylsilyl)oxy]androst-4-en-3-one, *in* H-00111
5057-96-5 Tartaric acid; (2*RS*,3*SR*)-*form*, Di-Me ester, *in* T-00028
5058-13-9 Columbianadin, C-00538
5060-55-9 Prednisolone stearoylglycolate, *in* P-00412
5061-22-3 Nafiverine, N-00017
5061-24-5 Febuverine; B,2HCl, *in* F-00024
5061-32-5 Phenoperidone, P-00166
5072-45-7 2,6-Dimethylpiperidine; (2*R*,6*R*)-*form*, B,HCl, *in* D-00448
5076-72-2 1-Ethoxy-4-methoxybenzene, *in* B-00074
5085-07-4 Pentanedial; Bis-2,4-dinitrophenylhydrazone, *in* P-00090
5086-74-8 ▷Anthelvert, *in* T-00151
5090-37-9 ▷Metizoline hydrochloride, *in* M-00347
5098-11-3 5-Amino-4-cyanoimidazole, *in* A-00275
5102-79-4 Diphenadione; 1-Hydrazone, *in* D-00483
5104-49-4 ▷Flurbiprofen, F-00218
5107-01-7 Alloclamide hydrochloride, JAN, *in* A-00126
5107-49-3 ▷Flualamide, F-00129
5112-47-0 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Chloride, *in* O-00125
5118-17-2 Furazolium chloride, *in* F-00285
5118-29-6 ▷Melitracen, M-00081
5118-30-9 Litracen, L-00061
5119-48-2 Withaferin *A*, W-00002
5121-00-6 (1-Naphthyl)acetic acid; Chloride, *in* N-00044
5129-14-6 Anisacril, A-00394
5135-30-8 Adenosine; 5′-Tosyl, *in* A-00067
5139-02-6 Penicillamine, P-00064
5141-99-1 Funtudiamine A, *in* P-00416
5144-52-5 ▷Naphazoline; B,HNO_3, *in* N-00041
5145-48-2 Barringtonite, *in* M-00006
5169-77-7 Tipepidine; Citrate, *in* T-00311
5169-78-8 ▷Tipepidine, T-00311
5180-75-6 *N*-Carboxy-4-aminobenzoic acid; Et ester, *in* C-00064
5184-79-2 Disufene, *in* B-00178
5189-11-7 ▷Sandomigran, *in* P-00368
5192-84-7 6-Chloro-1,4,6-pregnatriene-3,20-dione; (9β,10α)-*form*, *in* C-00276
5196-28-1 5-Hydroxy-1,4-naphthoquinone; Ac, *in* H-00179
5196-93-0 5-Methyl-6-phenyl-3-morpholinone; (5*RS*,6*SR*)-*form*, *in* M-00291
5197-58-0 Stenbolone, S-00144
5201-88-7 Bispyroquine, B-00235
5205-82-3 ▷Bevonium methylsulfate, *in* B-00147
5214-29-9 Dimethylaminopyrazine, D-00421
5220-68-8 Cloquinozine, C-00491
5220-89-3 Fenfluramine; (±)-*form*, *in* F-00050
5221-49-8 ▷Pyrimitate, P-00587
5232-99-5 ▷Etocrilene, *in* C-00582
5234-86-6 1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]-isoquinoline, H-00051
5240-32-4 ▷1-Ethynylcyclohexanol; Ac, *in* E-00228
5250-39-5 Flucloxacillin, F-00139
5251-34-3 Cloprednol, C-00489
5265-18-9 2-Amino-1-phenyl-1-propanone, A-00309
5282-80-4 Pentamethonium iodide, *in* P-00084
5287-46-7 ▷Prenisteine, P-00420
5302-35-2 Nifenalol; (*R*)-*form*, *in* N-00111
5310-55-4 ▷Clomacran, C-00465
5318-76-3 ▷Imidocarb hydrochloride, *in* I-00034
5321-32-4 Hetacillin potassium, *in* H-00035
5322-53-2 Oxiperomide, O-00117
5331-95-3 3,4-Dichloro-α-(trichloromethyl)benzyl alcohol, D-00204
5334-23-6 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, P-00565
5341-49-1 Isomethadone; (±)-*form*, B,HCl, *in* I-00193
5345-01-7 3-Ethyl-3-methylpentanedioic acid, E-00203
5345-47-1 2-Amino-3-pyridinecarboxylic acid, A-00326
5355-16-8 Diaveridine, D-00147
5355-48-6 ▷β-Acetyldigoxin, *in* D-00275
5367-84-0 Clomegestone, C-00466
5370-01-4 ▷Mexitil, *in* M-00351
5370-41-2 3-(Diphenylmethylene)-1-ethylpyrrolidine, D-00498
5377-20-8 ▷Metomidate, M-00331
5377-33-3 Allantoin; (±)-*form*, *in* A-00123
5378-41-6 2-Hydroxy-5-sulfobenzoic acid; Sulfonamide, *in* H-00214
5398-77-6 4-(Methylsulfonyl)benzaldehyde, M-00306
5411-22-3 Didrex, *in* B-00115
5424-05-5 2-Aminoquinoxaline, A-00332
5425-62-7 4-Aminophenylarsonic acid; *N*-Chloroacetyl, *in* A-00302
5428-64-8 ▷Pentaquine; B,H_3PO_4, *in* P-00092
5429-28-7 4-Aminobenzoic acid; *N*-Di-Et, *in* A-00216
5438-70-0 (4-Aminophenyl)acetic acid; Et ester, *in* A-00299
5449-84-3 Phenolphthalein; Di-Ac, *in* P-00162
5456-23-5 2-Bromo-2,2-diethylacetic acid, B-00297
5457-82-9 4-Oxopentanoic acid; 2,4-Dinitrophenylhydrazone, *in* O-00134
5467-78-7 5-Amino-1-phenyl-1*H*-tetrazole, A-00313
5470-36-0 (2-Phenylethyl)hydrazine; B,HCl, *in* P-00189
5486-03-3 Buquinolate, B-00373
5486-77-1 ▷Alloclamide, A-00126
5490-27-7 Dihydrostreptomycin sulfate, *in* D-00303
5493-94-7 5-Methyl-6-phenyl-3-morpholinone; (5*RS*,6*RS*)-*form*, *in* M-00291
5505-16-8 3,5-Diamino-2,4,6-triiodobenzoic acid, D-00138
5511-98-8 ▷α-Acetyldigoxin, *in* D-00275
5518-90-1 3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene, A-00032
5521-55-1 5-Methylpyrazinecarboxylic acid, M-00302
5522-33-8 Difluanine hydrochloride, *in* D-00269
5522-39-4 Difluanine, D-00269
5534-05-4 Betamethasone acibutate, *in* B-00141
5534-09-8 ▷Beclometasone dipropionate, JAN, *in* B-00024

5534-95-2 ▷Pentagastrin, P-00079
5536-17-4 ▷9-Arabinofuranosyladenine; β-D-*form*, *in* A-00435
5539-66-2 1-Hydroxy-8-methoxyanthraquinone, *in* D-00308
5541-67-3 8-Hydroxy-5-methylquinoline, H-00176
5543-56-6 Warfarin; (±)-*form*, *in* W-00001
5543-57-7 Warfarin; (*S*)-*form*, *in* W-00001
5546-17-8 3-Acetyl-5-hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indole, A-00034
5560-62-3 Melsaphine, *in* X-00010
5560-69-0 Ethyl dibunate, *in* D-00173
5560-72-5 ▷Iprindole, I-00157
5560-73-6 Mimbane hydrochloride, *in* M-00380
5560-75-8 Pyroxamine maleate, *in* P-00593
5560-77-0 Carbinoxamine; (−)-*form*, *in* C-00052
5560-78-1 Teclozan, T-00048
5564-29-4 Oxyphemedol, *in* H-00173
5571-84-6 Potassium nitrazepate, *in* N-00171
5571-97-1 ▷Dichlormezanone, D-00178
5575-21-3 ▷Cephalonium, C-00175
5576-62-5 ▷Agastril, *in* C-00196
5579-05-5 Paxamate, P-00045
5579-06-6 2-(Pentyloxy)benzamide, P-00107
5579-08-8 Propyl docetrizoate, *in* A-00340
5579-13-5 Capuride, C-00035
5579-16-8 Epinephryl borate, *in* A-00075
5579-27-1 1,4-Dimethyl-1,4-diphenyl-2-tetrazene, D-00429
5579-81-7 Aldioxa, *in* A-00123
5579-84-0 Betahistine hydrochloride, *in* M-00220
5579-85-1 ▷6-Bromo-5-chloro-2(3*H*)-benzoxazolone, B-00293
5579-89-5 Nifursemizone, N-00131
5579-92-0 *N*-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone; (±)-*form*, *in* D-00353
5579-93-1 ▷3,5-Diiodo-4(1*H*)-pyridinone, D-00362
5579-95-3 2-Chloroacetyl-5-nitrofuran, C-00213
5580-22-3 Oxonazine, O-00133
5580-25-6 Nifurethazone, N-00120
5580-32-5 Ortetamine, O-00065
5581-35-1 Amphecloral, A-00366
5581-40-8 ▷Dimefadane, *in* P-00191
5581-42-0 Glyparamide, G-00076
5581-46-4 3-(4-Morpholinyl)-1,2,3-benzotriazin-4(3*H*)-one, M-00451
5581-52-2 ▷Thiamiprine, T-00178
5583-31-3 α-Phenyl-2-piperidinemethanol; (α*R*,2*S*)-*form*, *in* P-00197
5583-32-4 α-Phenyl-2-piperidinemethanol; (α*R*,2*S*)-*form*, B,HCl, *in* P-00197
5583-35-7 α-Phenyl-2-piperidinemethanol; (α*S*,2*R*)-*form*, *in* P-00197
5585-59-1 Nitrocycline, N-00175
5585-60-4 Paranyline hydrochloride, *in* P-00026
5585-62-6 Symetine hydrochloride, *in* S-00284
5585-64-8 Aminoxytriphene, A-00341
5585-71-7 ▷Benzindopyrine hydrochloride, *in* B-00084
5585-73-9 ▷Butryptyline hydrochloride, *in* B-00424
5585-93-3 Oxypendyl, O-00156
5586-87-8 ▷Mefenorex hydrochloride, *in* C-00280
5587-89-3 ▷Iopodic acid, I-00129
5587-93-9 2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]pyrimidine, T-00421
5588-10-3 ▷Methoxyphenamine hydrochloride, *in* M-00211
5588-16-9 Althiazide, A-00157
5588-20-5 ▷Chlordantoin, C-00199
5588-21-6 ▷3-(3,4,5-Trimethoxyphenyl)-2-propenamide, *in* T-00480
5588-25-0 ▷Dihexyverine hydrochloride, *in* D-00276
5588-29-4 5-Methyl-6-phenyl-3-morpholinone, M-00291
5588-31-8 Imidoline hydrochloride, *in* I-00035
5588-33-0 ▷Mesoridazine, M-00134
5588-38-5 Tolpyrramide, T-00368
5588-52-3 Securinine; (±)-*form*, *in* S-00035
5591-22-0 Becanthone hydrochloride, *in* B-00021
5591-27-5 Clometherone, C-00469
5591-29-7 Etafedrine hydrochloride, *in* E-00133
5591-33-3 ▷Iosefamic acid, I-00134
5591-43-5 ▷Solypertine tartrate, *in* S-00096
5591-44-6 Pyrroliphene hydrochloride, *in* P-00599
5591-45-7 ▷Thiothixene, T-00213
5591-47-9 2-Cyclohexyl-3,5-dimethylphenol, C-00608
5591-49-1 Anilamate, A-00389
5593-20-4 ▷Betamethasone dipropionate, *in* B-00141
5597-41-1 3-Azabicyclo[3.2.2]nonane; B,HCl, *in* A-00491
5598-52-7 ▷Fospirate, F-00258
5600-19-1 Theophylline isopropanolamine, *in* T-00169
5610-40-2 ▷Securinine; (−)-*form*, *in* S-00035
5611-51-8 ▷Triamcinolone hexacetonide, *in* T-00419
5611-64-3 Methalthiazide, M-00166
5617-26-5 Difenclosazine, D-00263
5626-25-5 Clodacaine, C-00446
5626-34-6 Prednisolamate, *in* P-00412
5626-36-8 *N*-Nonyl 7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *in* A-00330
5626-52-8 5-Oxo-2-pyrrolidinecarboxylic acid; (±)-*form*, Amide, *in* O-00140
5627-46-3 Clobenztropine, C-00436
5630-11-5 Glaucine; (±)-*form*, *in* G-00028
5630-53-5 Tibolone, T-00251
5631-00-5 Calcium benzamidosalicylate, *in* A-00264
5632-44-0 Tolpropamine, T-00367
5632-52-0 ▷Clofenciclan, C-00451
5633-14-7 ▷Benzetimide; (*S*)-*form*, B,HCl, *in* B-00080
5633-16-9 Leiopyrrole, L-00020
5633-18-1 Melengestrol, M-00078
5633-20-5 Oxybutynin, O-00147
5634-34-4 ▷Ambuphylline, *in* T-00169
5634-37-7 ▷2,2,2-Trichloroethanol carbonate, T-00435
5634-38-8 Guaithylline, *in* T-00169
5634-39-9 ▷2-(1-Iodoethyl)-1,3-dioxolane-4-methanol, I-00103
5634-40-2 Levamfetamine succinate, *in* P-00202
5634-41-3 Parapenzolate bromide, *in* P-00028
5635-50-7 3,4-Bis(4-hydroxyphenyl)hexane, B-00220
5635-98-3 2-(Methoxymethyl)phenol, *in* H-00116
5636-83-9 ▷Dimethindene, D-00391
5636-92-0 Picloxydine, P-00236
5638-76-6 ▷2-(2-Methylaminoethyl)pyridine, M-00220
5653-80-5 ▷Methadone; (*S*)-*form*, *in* M-00163
5655-06-1 Sinapine; Iodide, *in* S-00076
5657-61-4 *N*-Hydroxy-3-pyridinecarboxamide, *in* P-00570
5666-11-5 Moramide; (*R*)-*form*, *in* M-00437
5667-46-9 LO 8146, *in* D-00463
5667-70-9 Pentabamate, *in* M-00279
5667-71-0 Streptomycin; Sulfate (2:3), *in* S-00161
5668-06-4 Mecloxamine, M-00050
5684-90-2 Penthrichloral, P-00096
5688-80-2 ▷1-(3,4,5-Trimethoxyphenyl)-2-propylamine; (±)-*form*, B,HCl, *in* T-00504
5695-98-7 Cotinine fumarate, *in* C-00553
5696-06-0 ▷Methetoin, M-00179
5696-09-3 Proxazole, P-00545
5696-17-3 ▷Epipropidine, E-00082
5697-56-3 ▷Carbenoxolone, *in* G-00072
5697-57-4 Hydroxystenozole, H-00212
5697-60-9 ▷Bufenadrine; (±)-*form*, B,HCl, *in* B-00347
5698-56-6 Aseptamide, *in* D-00179
5704-03-0 Testosterone phenylacetate, *in* H-00111
5704-60-9 ▷Nifenalol; (±)-*form*, B,HCl, *in* N-00111
5707-69-7 ▷Drazoxolon, D-00601
5710-11-2 ▷*N*-Ethyl-*N*′-hydroxyurea, E-00196
5711-40-0 Bromebric acid; (*Z*)-*form*, *in* B-00286
5712-95-8 *N*-Antipyrinylsalicylamide, A-00416
5714-00-1 ▷Acetophenazine maleate, *in* A-00025
5714-05-6 Quindecamine acetate, *in* Q-00017
5714-08-9 3,3′,5-Triiodothyronine; (*R*)-*form*, *in* T-00487
5714-09-0 Ethyl cartrizoate, E-00180
5714-73-8 Hexamine hippurate, *in* H-00057
5714-75-0 Prednazate, *in* P-00412
5714-76-1 Quinetolate, *in* M-00217
5714-77-2 Piminodine; Ethanesulphonate (1:1), *in* P-00260
5714-82-9 ▷Triclofenol piperazine, *in* P-00285
5716-20-1 ▷Bamethan sulfate, *in* B-00010

5721-91-5 Testosterone decanoate, *in* H-00111
5728-52-9 4-Biphenylacetic acid, B-00176
5741-22-0 Moprolol, M-00435
5743-49-7 Calcium levulinate, *in* O-00134
5752-21-6 2,3,6,7-Tetrahydro-7,9-dimethyl-2,6-dioxo-1*H*-purinium hydroxide inner salt, *in* X-00002
5759-60-4 1,7-Dihydro-6*H*-purine-6-thione; 3,7-*Dihydro-form*, 3,7-Di-Me, *in* D-00299
5759-62-6 1,7-Dihydro-6*H*-purine-6-thione; 1,9-*Dihydro-form*, 1,9-Di-Me, *in* D-00299
5766-67-6 ▷Ethylenediamine tetraacetonitrile, *in* E-00186
5767-33-9 Vinylbitone; (−)-*form*, *in* V-00046
5776-45-4 Estradiol palmitate, *in* O-00028
5776-72-7 ▷3,4-Bis(4-hydroxyphenyl)hexane; (3*RS*,4*RS*)-*form*, *in* B-00220
5777-69-5 *N*-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]-phenylalanyl]-3,4-dihydroxyphenylalanine ethyl ester, *in* A-00453
5779-54-4 Cyclarbamate, C-00587
5779-59-9 Alazanine triclofenate, *in* E-00187
5781-37-3 Cycliramine maleate, *in* C-00593
5786-21-0 ▷Clozapine, C-00521
5786-68-5 ▷Quipazine maleate, *in* P-00286
5786-71-0 Fosfocreatinine, F-00255
5789-72-0 Trimetamide, T-00496
5793-04-4 Propisergide, P-00506
5794-16-1 Antipyrine methylethylglycolate, *in* D-00284
5794-23-0 ▷Etoxeridine; B,HCl, *in* E-00265
5796-17-8 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid; (*R*)-*form*, *in* A-00248
5800-19-1 ▷Metiapine, M-00317
5818-17-7 Methantheline(1+), M-00169
5818-18-8 Oxapropanium(1+), O-00091
5826-73-3 ▷Dimethyl carbate, *in* B-00157
5835-72-3 Diprofene, D-00521
5842-07-9 ▷2-Aminoethanethiol; *N*-Diisopropyl, *in* A-00252
5843-53-8 ▷BA 7205, *in* C-00435
5845-26-1 Thiazesim, T-00181
5854-93-3 ▷Alanosine; (*S*)-*form*, *in* A-00093
5854-95-5 Alanosine; (±)-*form*, *in* A-00093
5863-35-4 ▷Nitromifene citrate, *in* N-00182
5868-05-3 ▷Niceritrol, N-00090
5868-06-4 ▷Fentonium bromide, *in* F-00081
5870-29-1 ▷Cyclogyl, *in* C-00631
5873-86-9 Thiobenzoic acid; *O*-Me ester, *in* T-00193
5874-95-3 Amicycline, A-00189
5874-98-6 17-[(1,3-Dioxododecyl)oxy]androst-4-en-3-one, *in* H-00111
5875-06-9 Opthaine, *in* P-00550
5875-24-1 3-Chloropropanoic acid; Amide, *in* C-00279
5879-67-4 2-[1-(Benzylimino)ethyl]phenol, B-00121
5884-45-7 Isocephaeline, *in* C-00172
5892-15-9 Butacaine; B,HCl, *in* B-00381
5892-39-7 5,7-Dihydroxy-4′-methoxyflavone; Di-Ac, *in* D-00329
5892-41-1 ▷Camylofin hydrochloride, *in* D-00234
5897-19-8 Cyclizine lactate, *in* C-00595
5897-20-1 Itridal, *in* C-00596
5910-52-1 Aspartame; L-L-*form*, B,HCl, *in* A-00460
5913-82-6 Norine, *in* C-00540
5919-89-1 Betamethasone valeroacetate, *in* B-00141
5925-68-8 Thiobenzoic acid; *S*-Me ester, *in* T-00193
5928-26-7 Sissotrin, *in* D-00330
5928-66-5 Benzoin; (*R*)-*form*, *in* B-00093
5928-67-6 Benzoin; (*S*)-*form*, *in* B-00093
5928-84-7 Penicillin V benzathine, *in* P-00171
5934-14-5 Succisulfone, S-00173
5934-20-3 ▷10-[2-(Dimethylamino)ethyl]phenothiazine; B,HCl, *in* D-00412
5934-49-6 Tropine tropate; (*S*)-*form*, Picrate, *in* T-00554
5936-70-9 3,4-Diethoxy-*N*-[*p*-[2-(methylamino)ethoxy]benzyl]-benzamide, D-00230
5937-72-4 Androst-5-ene-3,17-diol; (3*β*,17*β*)-*form*, 17-Ac, *in* A-00383
5941-36-6 Estrazinol, E-00128
5942-95-0 ▷Carpipramine, C-00097
5949-16-6 Cinchonine; B,H_2SO_4, *in* C-00358
5949-44-0 Testosterone undecanoate, *in* H-00111
5953-97-9 Locastine, *in* A-00363
5957-23-3 Fenalamide; B,HBr, *in* F-00033
5957-75-5 ▷Δ^8-Tetrahydrocannabinol; (6*aR*,10*aR*)-*form*, *in* T-00114
5959-10-4 Stibosamine, *in* A-00212
5960-06-5 Sorbitan trioleate, *in* A-00387
5961-59-1 4-Methoxy-*N*-methylaniline, *in* M-00195
5962-19-6 Dihydrocupreine, *in* C-00574
5964-24-9 ▷Sodium timerfonate, *in* T-00191
5964-62-5 Diathymosulfone, D-00146
5965-06-0 Hormostilboral stark, *in* D-00257
5965-13-9 ▷Dihydromorphine; (−)-*form*, 3-*O*-Me, tartrate (1:1), *in* D-00294
5965-40-2 ▷Allocupreide sodium, *in* A-00127
5965-49-1 ▷Ketobemidone; B,HCl, *in* K-00014
5966-41-6 Diisopromine, D-00366
5967-52-2 ▷2-Amino-1-(3-hydroxyphenyl)-1-propanol; (1*R*,2*S*)-*form*, B,HCl, *in* A-00274
5967-73-7 ▷Levadone, *in* M-00163
5969-39-1 ▷2-Phenyl-1-propylamine; (±)-*form*, *N*-Me; B,HCl, *in* P-00203
5977-10-6 Fencibutirol, F-00040
5978-73-4 Fisostina, *in* F-00282
5980-31-4 Hexedine, H-00063
5982-52-5 Emetonium iodide, *in* E-00037
5982-61-6 Ethoheptazine; (±)-*form*, B,HCl, *in* E-00157
5984-50-9 ▷Isometene, *in* M-00256
5984-83-8 Fenabutene, *in* M-00298
5984-95-2 ▷Isoprenaline; (*R*)-*form*, B,HCl, *in* I-00198
5984-97-4 ▷2,3-Dihydro-5-iodo-2-thioxo-4(1*H*)-pyrimidinone, D-00287
5985-28-4 ▷Synephrine; (±)-*form*, B,HCl, *in* S-00286
5985-38-6 Levorphanol tartrate, *in* H-00166
5985-48-8 1-(4-Hydroxyphenyl)-1-propanone; 2,4-Dinitrophenylhydrazone, *in* H-00193
5987-82-6 ▷Benoxinate hydrochloride, *in* O-00146
5987-95-1 Benzoin; (±)-*form*, Me ether, *in* B-00093
5988-22-7 Phytonadiol sodium diphosphate, *in* P-00228
5991-71-9 Clorazepate monopotassium, *in* C-00494
5996-06-5 Bromcholitin, *in* G-00028
5999-27-9 Phenprocoumon; (*R*)-*form*, *in* P-00174
5999-41-7 Phenprocoumon; (±)-*form*, *in* P-00174
6000-74-4 ▷Hydrocortone sodium phosphate, *in* C-00548
6001-87-2 ▷3-Chloropropanoic acid; Me ester, *in* C-00279
6001-93-0 Lapudrine, *in* C-00297
6004-98-4 ▷Hexocyclium(1+), H-00067
6009-67-2 ▷Amolanone; (±)-*form*, B,HCl, *in* A-00355
6011-39-8 Clemizole penicillin, *in* B-00126
6011-62-7 ▷Iproniazid; B,2HCl, *in* I-00161
6012-23-3 Nicotine; (*S*)-*form*, B,HI, *in* N-00103
6014-30-8 Methyldopate, *in* M-00249
6014-43-3 Glucostrophantidin, *in* T-00478
6018-19-5 Aminosalicylate sodium, *in* A-00264
6018-53-7 2-Amino-2,6-dideoxyglucose; D-*form*, *in* A-00240
6022-99-7 Glucoverodoxin, *in* T-00474
6027-00-5 ▷Medrylamine; (±)-*form*, B,HCl, *in* M-00059
6027-28-7 ▷Butanilicaine; B,HCl, *in* B-00390
6030-91-7 Equilenin; (+)-*form*, Ac, *in* E-00098
6032-66-2 Morphothebaine; B,HCl, *in* M-00452
6033-41-6 Orfenso, *in* D-00510
6033-98-3 Dienestrol; (*Z*,*Z*)-*form*, Mono-Me ether, *in* D-00223
6033-99-4 Dienestrol; (*Z*,*Z*)-*form*, Di-Me ether, *in* D-00223
6035-39-8 ▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)amino]-2-propanol, D-00231
6035-40-1 ▷Narcotine; (1*RS*,9*SR*)-*form*, *in* N-00052
6036-95-9 ▷Mepyramine; B,HCl, *in* M-00108
6038-32-0 Androst-5-en-3,16-diol; (3*β*,16*β*)-*form*, *in* A-00382
6038-78-4 Ethomoxane; (±)-*form*, B,HCl, *in* E-00158
6043-01-2 Domazoline, D-00572
6054-98-4 Olsalazine sodium, *in* O-00041
6055-48-7 ▷Toloxychlorinol, T-00361
6056-11-7 ▷Pipazethate; B,HCl, *in* P-00275
6059-16-1 Aminosalicylate calcium, *in* A-00264
6059-17-2 ▷4-Amino-2-hydroxybenzoic acid; Et ester, *in* A-00264

6064-83-1 ▷2-(Phosphonooxy)benzoic acid, P-00217
6078-42-8 Phytonadiol diphosphate, P-00228
6080-58-6 Lithium citrate, L-00059
6083-47-2 4-(Dimethylamino)benzoic acid; Amide, *in* D-00405
6086-65-3 Diampromide; (±)-*form*, *in* D-00142
6086-66-4 Diampromide; (*S*)-*form*, *in* D-00142
6086-67-5 Diampromide; (*R*)-*form*, *in* D-00142
6087-61-2 Δ^8-Tetrahydrocannabinol; (6*aRS*,10*aRS*)-*form*, *in* T-00114
6087-73-6 ▷Δ^9-Tetrahydrocannabinol; (6*aRS*,10*aSR*)-*form*, *in* T-00115
6091-56-1 Reltine, *in* P-00295
6092-18-8 ▷Cycotiamine, C-00640
6093-59-0 3-(3,4,5-Trihydroxyphenyl)-2-propenoic acid, T-00480
6101-30-0 Salazosulfamide; K salt, *in* S-00009
6108-10-7 1,2,3,4,5,6-Hexachlorocyclohexane; ε-*form*, *in* H-00038
6108-11-8 1,2,3,4,5,6-Hexachlorocyclohexane; θ-*form*, *in* H-00038
6108-12-9 1,2,3,4,5,6-Hexachlorocyclohexane; η-*form*, *in* H-00038
6113-17-3 Domistan, *in* H-00078
6114-26-7 ▷Pholedrine sulfate, *in* M-00222
6130-75-2 1,2,4-Trichloro-5-methoxybenzene, *in* T-00441
6138-47-2 Thybon, *in* T-00487
6138-56-3 ▷Tripelennamine citrate, *in* T-00524
6142-06-9 2-Aminothiazole; *N*-Me, *in* A-00336
6146-99-2 Menadoxime, M-00087
6152-27-8 2-Amino-2-phenylacetic acid; (±)-*form*, Et ester, *in* A-00300
6153-19-1 ▷Phenacaine hydrochloride, *in* P-00135
6153-33-9 Mebhydrolin napadisylate, JAN, *in* M-00035
6156-47-4 ▷Actinomycin C_3, A-00056
6157-87-5 Trestolone acetate, *in* N-00221
6159-55-3 ▷Peganine; (*R*)-*form*, *in* P-00050
6159-56-4 Peganine; (±)-*form*, *in* P-00050
6160-32-3 ▷Streptomycin; B,3HCl, *in* S-00161
6164-79-0 Pyrazinecarboxylic acid; Me ester, *in* P-00560
6164-87-0 Ronicol, *in* P-00573
6168-76-9 Crotethamide, C-00569
6168-86-1 ▷6-Methyl-5-hepten-2-amine; (±)-*form*, *N*-Me; B,HCl, *in* M-00256
6170-69-0 Clamidoxic acid, C-00406
6184-06-1 D-Glucitolhexanicotinate, *in* G-00054
6187-50-4 Tolquinzole, T-00369
6189-58-8 2-Amino-2,6-dideoxyglucose; D-*form*, B,HCl, *in* A-00240
6190-36-9 Styptol, *in* C-00552
6190-39-2 Dihydroergotamine mesylate, *in* E-00106
6190-43-8 Citrohexamine, *in* H-00057
6192-26-3 Patulin; Ac, *in* P-00043
6192-36-5 Pheneturide; (*R*)-*form*, *in* P-00153
6192-97-8 *N*-Methyl-2-cyclohexyl-2-propylamine; (−)-*form*, *in* M-00242
6196-08-3 Elanzepine, E-00022
6197-30-4 Octocrilene, *in* C-00582
6202-05-7 Cyclomethycaine sulfate, *in* C-00625
6202-23-9 ▷Cyclobenzaprine hydrochloride, *in* C-00597
6202-26-2 ▷4-[1-Ethyl-2-[4-(phenylmethoxy)phenyl]-1-butenyl]-phenol, *in* D-00257
6205-09-0 ▷Quatacaine; B,HCl, *in* Q-00003
6216-87-1 Δ^8-Tetrahydrocannabinol; (6*aRS*,10*aSR*)-*form*, *in* T-00114
6217-54-5 4,7,10,13,16,19-Docosahexaenoic acid; (*all-Z*)-*form*, *in* D-00564
6223-35-4 Azlene, *in* I-00205
6236-05-1 Nifuroxime, *in* N-00177
6240-90-0 2-Heptanamine; (*R*)-*form*, *in* H-00030
6249-68-9 Mefazine, *in* D-00247
6251-64-5 ▷Acolongifloroside *K*, *in* H-00053
6252-92-2 Tiemonium(1+), T-00257
6272-51-1 2,3,4,5,6-Penta-*O*-acetyl-D-glucononitrile, *in* G-00055
6275-69-0 ▷Propamidine; B,2HCl, *in* P-00487
6277-14-1 Acetylenoxolone, *in* G-00072
6281-26-1 Furmethoxadone, F-00293
6284-40-8 1-Deoxy-1-(methylamino)glucitol; D-*form*, *in* D-00082
6293-68-1 ▷Bis(4-methylphenyl)iodonium(1+); Bromide, *in* B-00230
6293-70-5 Bis(4-methylphenyl)iodonium(1+); Iodide, *in* B-00230
6306-24-7 4-Sulfobenzoic acid; Diamide, *in* S-00217
6306-71-4 ▷Lobendazole, L-00065
6308-98-1 2,2′-Diphenyldiethylamine, D-00491
6312-53-4 2,3-Dihydro-5-hydroxy-1,4-naphthalenedione, *in* H-00179
6314-69-8 Oxadimedine; B,HCl, *in* O-00075
6315-80-6 Phenolphthalein; Di-Me ether, *in* P-00162
6319-06-8 3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *in* B-00157
6340-87-0 2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298
6342-70-7 2,3-Dihydroxybenzoic acid; 3-Me ether, Me ester, *in* D-00315
6363-02-6 Nitramisole; (±)-*form*, *in* N-00166
6376-26-7 ▷2-[2-(Diethylamino)ethoxy]benzanilide, D-00232
6377-18-0 ▷Chartreusin, C-00189
6379-56-2 ▷Hygromycin *A*, H-00223
6385-02-0 ▷Meclomen, *in* M-00045
6385-58-6 ▷Bithionolate sodium, *in* B-00204
6407-55-2 1,8-Dimethoxyanthraquinone, *in* D-00308
6411-75-2 ▷2-Heptanamine; (±)-*form*, 2B,H_2SO_4, *in* H-00030
6414-57-9 Methylcarbamic acid, M-00238
6415-36-7 3,5-Diamino-1*H*-1,2,4-triazole; B,HCl, *in* D-00137
6415-90-3 Tropine tropate; (±)-*form*, B,HBr, *in* T-00554
6443-40-9 ▷Xylamide tosylate, *in* X-00020
6443-50-1 Xylamidine, X-00020
6452-47-7 Methylcarbamic chloride, *in* M-00238
6452-71-7 ▷Oxprenolol, O-00145
6452-73-9 ▷Trasicor, *in* O-00145
6469-36-9 5-(3-Chloropropyl)-4-methylthiazole, C-00281
6469-93-8 ▷Chlorprothixene hydrochloride, JAN, *in* C-00300
6474-85-7 ▷R 381, *in* P-00149
6479-23-8 2-Aminoquinoxaline; 1-*N*-Oxide, *in* A-00332
6479-24-9 2-Aminoquinoxaline; 2-*N*-Ac, *in* A-00332
6485-34-3 ▷Saccharin calcium, *in* S-00002
6489-97-0 Metampicillin, M-00150
6493-05-6 ▷Oxpentifylline, O-00142
6495-46-1 Dioxadrol, D-00472
6503-95-3 (Dimethylamino)trimethylpyrazine, D-00423
6504-57-0 Ottimal, *in* T-00257
6506-37-2 ▷Nimorazole, N-00150
6509-31-5 Pheneturide; (±)-*form*, *in* P-00153
6509-32-6 Pheneturide; (*S*)-*form*, *in* P-00153
6509-36-0 Dimeprotane hydrochloride, *in* P-00512
6509-38-2 Sinapine; Sulphate, *in* S-00076
6533-00-2 ▷Norgestrel; (±)-*form*, *in* N-00218
6533-53-5 4,4′-(1,2-Diethyl-1,2-ethenediyl)bis[phenol]dihexadecanoate, *in* D-00257
6533-54-6 Dihydrostreptomycin; B,3HCl, *in* D-00303
6533-76-2 Tubocurarine chloride, *in* T-00571
6535-03-1 Stevaladil, *in* A-00315
6536-18-1 ▷Morazone, M-00439
6538-22-3 Dimeprozan, D-00383
6539-57-7 2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol, A-00249
6554-21-8 Adenosine; 3′-Ac, *in* A-00067
6556-11-2 ▷Inositol nicotinate, *in* I-00074
6576-51-8 ▷Stallimycin hydrochloride, *in* D-00539
6577-41-9 ▷Oxapium iodide, *in* O-00089
6591-72-6 Penicillin V hydrabamine, *in* P-00171
6604-06-4 2-Phenylcyclopentylamine; (1*RS*,2*SR*)-*form*, *in* P-00185
6609-56-9 1-Cyano-2-methoxybenzene, *in* M-00196
6617-01-2 5-(3-Chloropropyl)-4-methylthiazole; 1,2-Ethanedisulfonate (2:1), *in* C-00281
6620-60-6 ▷Proglumide, P-00468
6621-47-2 Perhexiline, P-00120
6621-48-3 Perhexiline; B,HCl, *in* P-00120
6625-20-3 6-Demethyl-6-deoxytetracycline; (−)-*form*, B,HCl, *in* D-00065

6630-18-8 1-Methoxy-4-(phenylmethoxy)benzene, *in* B-00124
6635-57-0 Pentanedial; Dioxime, *in* P-00090
6649-23-6 ▷Tetramisole, T-00151
6673-35-4 ▷Practolol, P-00394
6673-97-8 Spiroxasone, S-00131
6691-97-0 5,6-Dihydro-6-phenylimidazo[2,1-*b*]thiazole; (±)-*form*, B,HCl, *in* D-00296
6693-90-9 Prednazoline, *in* P-00412
6698-26-6 2′,5′-Dideoxyadenosine, D-00219
6700-39-6 Isoproterenol sulfate, *in* I-00198
6700-42-1 Synkavit, *in* D-00333
6703-27-1 ▷Codeine; Ac, *in* C-00525
6704-68-3 Securinine; (+)-*form*, *in* S-00035
6705-03-9 2-Amino-5-methoxybenzoic acid, *in* A-00262
6707-58-0 Dequalinium(2+), D-00088
6714-29-0 ▷2,3-Dihydro-1*H*-imidazo[1,2-*b*]pyrazole, *in* I-00032
6723-40-6 ▷2-[(4-Trifluoromethyl)phenyl]1,3-indanedione, T-00467
6724-53-4 ▷Perhexiline maleate, *in* P-00120
6735-59-7 Pralidoxime(1+), P-00395
6736-02-3 ▷Trimedoxime(2+), T-00493
6736-03-4 *O,O*-Diethyl *S*-(2-dimethylaminoethyl) phosphorothioate, D-00242
6736-03-4 Ecothiopate(1+), E-00010
6736-40-9 *N*-Methyl-5-(methylamino)-1*H*-imidazole-4-carboxamide, *in* A-00275
6740-88-1 ▷2-(2-Chlorophenyl)-2-(methylamino)cyclohexanone; (±)-*form*, *in* C-00266
6741-90-8 6-Thioinosine; 2′,3′,5′-Tribenzoyl, *in* T-00204
6746-01-6 Desatrine, *in* P-00543
6746-42-5 ▷4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione; (1*R*,3*R*,5*S*,α*R*)-*form*, *in* D-00441
6750-25-0 8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; (1(10)*E*,4*E*,6α,8β)-*form*, *in* H-00134
6754-13-8 ▷Helenalin, H-00024
6763-34-4 Xylose; α-D-*Pyranose-form*, *in* X-00024
6763-47-9 1,2-*O*-Cyclohexylidene-*myo*-inositol, *in* I-00074
6775-25-3 Proponesin, *in* T-00366
6775-26-4 Gastrolena, *in* O-00019
6785-62-2 Nandrolone hydrogen succinate, *in* H-00185
6789-94-2 3-Aminopiperidine; (±)-*form*, N^1-Et, *in* A-00314
6792-14-9 Pachysamine B, *in* P-00416
6793-51-7 Alamarckine, *in* C-00172
6795-60-4 ▷Norvinisterone, N-00225
6798-34-1 (2,2,2-Trichloro-1-hydroxyethyl)carbamic acid; Benzyl ester, *in* T-00438
6801-29-2 Pachysamine A, *in* P-00416
6804-07-5 ▷Carbadox, C-00039
6805-41-0 ▷Escin, *in* O-00036
6807-92-7 3-Amino-3-pyrrolidinecarboxylic acid; (*S*)-*form*, *in* A-00329
6808-72-6 ▷Glaziovine, G-00029
6809-52-5 Teprenone, JAN, T-00078
6810-42-0 Cethexonium(1+), C-00182
6818-37-7 ▷Olafur, *in* T-00537
6829-98-7 Imipraminoxide, *in* I-00040
6830-17-7 Oxamarin hydrochloride, *in* O-00081
6835-16-1 Hyoscyamine sulfate, *in* T-00554
6835-99-0 (−)-16-Epivincamine, *in* V-00033
6844-05-9 C-Alkaloid A, *in* C-00016
6854-40-6 Codeine sulfate, *in* C-00525
6856-31-1 Lyseen, *in* D-00511
6878-83-7 ▷Tecomanine, T-00049
6880-68-8 Soluarsphenamine, S-00095
6880-94-0 Chondocurarine, *in* C-00309
6882-14-0 Takatonine, T-00004
6883-64-3 Polymyxin B_1; B,5HCl, *in* P-00384
6890-40-0 Histamine phosphate, *in* H-00077
6890-42-2 Prednylidene diethylaminoacetate, *in* P-00414
6893-02-3 ▷3,3′,5-Triiodothyronine; (*S*)-*form*, *in* T-00487
6899-10-1 Hexadecyltrimethylammonium(1+), H-00044
6903-79-3 ▷Creatinolfosfate, C-00559
6909-62-2 Demanyl phosphate, D-00059
6912-68-1 ▷Adrenaline, A-00075
6915-57-7 Bibrocathol, B-00152
6933-90-0 ▷Clorprenaline hydrochloride, *in* C-00502
6935-65-5 3-Methylbenzoic acid; Dimethylamide, *in* M-00230
6945-36-4 4-(Hydroxyimino)pentanoic acid, *in* O-00134
6953-60-2 *S*-Acetylmercaptosuccinic anhydride, *in* M-00115
6961-46-2 ▷*N*-(2-Hydroxyethyl)cinnamamide, H-00130
6964-20-1 ▷1,10-Bis(2-hydroxyethylthio)decane, B-00217
6966-09-2 2-(1-Piperidinylmethyl)cyclohexanone; (±)-*form*, B,HCl, *in* P-00288
6968-72-5 Mepiroxol, *in* P-00573
6981-18-6 Ormetoprim, O-00057
6986-90-9 α-Methylhistamine, M-00260
6988-58-5 ▷Olivomycin *A*, O-00038
6990-06-3 ▷Fusidic acid, F-00303
6992-30-9 β-Lipoic acid, *in* L-00053
6998-60-3 ▷Rifamycin, R-00046
7001-56-1 Pentagestrone, P-00080
7002-58-6 Cinnarizine; B,2HCl, *in* C-00372
7002-65-5 Oxibetaine, O-00110
7004-98-0 Epimestrol, E-00080
7005-03-0 Leucine, L-00029
7007-76-3 Glucosulfamide; D-*form*, Na salt, *in* G-00056
7007-81-0 Trethocanic acid, T-00417
7007-88-7 Butadiazamide, B-00383
7007-92-3 4,6-Dimethyl-3(2*H*)-pyridazinone, D-00450
7007-96-7 Crotoniazide, C-00570
7008-00-6 Dimetholizine, D-00395
7008-02-8 Iodetryl, *in* D-00361
7008-13-1 Halopenium chloride, *in* H-00013
7008-14-2 Hydroxindasate, *in* H-00105
7008-15-3 Hydroxindasol, H-00105
7008-17-5 Hydroxypyridine tartrate, *in* H-00209
7008-18-6 3-Ethyl-3-phenyl-2,6-piperazinedione, E-00216
7008-24-4 ▷Chloroserpidine, C-00285
7008-26-6 Dichlorisone, D-00177
7008-42-6 ▷Acronycine, A-00050
7009-43-0 Methiomeprazine; (±)-*form*, *in* M-00182
7009-49-6 ▷Sodium hexacyclonate, *in* H-00158
7009-54-3 Pentapiperide, P-00091
7009-60-1 Pheniodol sodium, *in* I-00100
7009-65-6 Prampine, *in* T-00554
7009-68-9 Pyroxamine, P-00593
7009-69-0 Pyrophendane, P-00591
7009-76-9 Triclazate, T-00447
7009-79-2 Xenthiorate, X-00009
7009-88-3 ▷Phenyracillin, *in* B-00126
7009-91-8 Nitricholine perchlorate, *in* C-00308
7013-41-4 ▷Talopram hydrochloride, *in* T-00014
7020-55-5 Clidinium(1+), C-00425
7035-04-3 2-(4-Pyridyl)benzofuran, P-00583
7036-58-0 Propoxate, P-00509
7041-74-9 ▷Perisoxal; (±)-*form*, B,HCl, *in* P-00124
7044-33-9 ▷Cheirotoxin, *in* T-00478
7049-69-6 Clorotepine; (±)-*form*, B,HCl, *in* C-00501
7050-25-1 Pregnane-3,20-diamine; (3β,5α,20*S*)-*form*, *in* P-00416
7054-25-3 ▷Quinidine gluconate, *in* Q-00027
7069-42-3 Retinol propanoate, *in* V-00058
7075-03-8 ▷Defekton, *in* C-00097
7077-33-0 Febuverine, F-00024
7077-34-1 Tris(2-nitroxyethyl)amine, T-00538
7081-44-9 ▷Cloxacillin sodium, *in* C-00515
7081-53-0 ▷Doxapram hydrochloride, *in* D-00591
7082-21-5 Terodiline hydrochloride, *in* D-00489
7082-27-1 Trimoxamine hydrochloride, *in* T-00519
7082-29-3 Ampyzine sulfate, *in* D-00421
7082-30-6 Triampyzine sulfate, *in* D-00423
7082-34-0 ▷Erysimoside, *in* T-00478
7084-07-3 ▷Diatrin, *in* M-00170
7085-44-1 Chlorothiazide sodium, *in* C-00288
7085-55-4 Troxerutin, T-00559
7104-38-3 Neuractil, *in* M-00193
7110-50-1 Benzoin; (±)-*form*, (*Z*)-Oxime, *in* B-00093
7114-11-6 1-(2-Oxocyclohexyl)-2-naphthol, O-00126

7125-67-9 Metoquizine, M-00335
7125-71-5 Toquizine, T-00385
7125-73-7 Flumetramide, F-00159
7125-76-0 Codoxime, C-00527
7144-08-3 Cholesteryl chloroformate, *in* C-00306
7149-65-7 5-Oxo-2-pyrrolidinecarboxylic acid; (*S*)-*form*, Et ester, *in* O-00140
7162-37-0 ▷Paridocaine, P-00038
7168-18-5 Chlorphenoctium amisonate, *in* C-00293
7174-23-4 ▷Oxydipentonium chloride, *in* O-00150
7175-09-9 7-Bromo-8-hydroxy-5-methylquinoline, B-00304
7177-41-5 Phenethicillin; L-*form*, K salt, *in* P-00152
7177-50-6 Nafcillin, N-00012
7181-73-9 Bephenium(1+), B-00132
7182-51-6 Talopram, T-00014
7187-55-5 ▷Dithiazanine(1+), D-00548
7187-62-4 Viprynium(1+), V-00052
7187-64-6 Triclobisonium(2+), T-00448
7187-66-8 Trimethaphan(1+), T-00498
7195-27-9 ▷Mefruside, M-00069
7197-93-5 5-Nitro-2-furancarboxaldehyde; (*E*)-Oxime, *in* N-00177
7199-29-3 ▷Cyheptamide, *in* D-00282
7200-25-1 Arginine; (±)-*form*, *in* A-00441
7207-92-3 Nandrolone propionate, *in* H-00185
7208-40-4 1,2,3,4-Tetra-*O*-acetylerythritol, *in* E-00114
7208-47-1 1,2,3,4,5,6-Hexa-*O*-acetyl-D-glucitol, *in* G-00054
7210-92-6 ▷Bajkain, *in* T-00373
7216-27-5 1,2,2-Trimethyl-1,3-cyclopentanedicarboxylic acid; (1*RS*,3*SR*)-*form*, Anhydride, *in* T-00508
7218-80-6 Erythromycin; 2′-(Ethyl carbonate), *in* E-00115
7219-91-2 Thihexinol methylbromide, *in* T-00190
7220-56-6 8-(Trifluoromethyl)-10*H*-phenothiazine-1-carboxylic acid, T-00466
7224-08-0 Imiclopazine, I-00028
7225-61-8 Sodium metrizoate, *in* D-00138
7232-21-5 ▷Metoclopramide; B,HCl, *in* M-00327
7232-51-1 Pararosaniline pamoate, *in* T-00532
7235-40-7 β-Carotene, C-00088
7237-81-2 Hepronicate, *in* H-00072
7240-38-2 Oxacillin sodium, *in* O-00074
7241-38-5 ▷Ketocainol; B,HCl, *in* K-00015
7241-94-3 Zolertine hydrochloride, *in* Z-00030
7242-04-8 ▷Pentaacetylgitoxin, *in* T-00474
7246-07-3 Actinoquinol sodium, *in* E-00171
7246-20-0 ▷Triclofos sodium, *in* T-00450
7246-21-1 ▷Sodium tyropanoate, *in* T-00581
7247-57-6 ▷Heteronium bromide, *in* H-00036
7248-21-7 Iprazochrome, I-00156
7248-28-4 ▷Strychnine N-oxide, *in* S-00167
7254-33-3 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 1*H*-*form*, 1,5-Di-Me, *in* P-00564
7257-29-6 ▷Calebassine, C-00016
7261-97-4 ▷Dantrolene, D-00012
7262-00-2 Quinazosin hydrochloride, *in* Q-00014
7262-75-1 Lefetamine, *in* D-00492
7267-92-7 Aristolochic acid III, *in* H-00160
7270-12-4 Cloquinate, *in* C-00284
7273-99-6 Gamfexine, G-00009
7280-37-7 Piperazine estrone sulfate, *in* O-00031
7281-04-1 ▷Benzyldimethyldodecylammonium(1+); Bromide, *in* B-00113
7281-31-4 Vinglycinate sulfate, *in* V-00032
7295-76-3 3-Methoxypyridine, *in* H-00209
7296-58-4 Xylose; α-L-*Pyranose-form*, *in* X-00024
7297-25-8 Erythrityl tetranitrate, *in* E-00114
7298-73-9 ▷*N*-Methylphenacetin, *in* E-00161
7303-78-8 Imidoline, I-00035
7303-80-2 Allantoin; (*R*)-*form*, *in* A-00123
7313-86-2 Cyclazocine; (−)-*form*, *in* C-00588
7324-96-1 4,4′-Diaminodiphenyl sulfone; *N*,*N*′-Di-Me, *in* D-00129
7327-87-9 ▷Nepresol, *in* D-00277
7331-08-0 Phosphoserine, P-00220
7332-27-6 Amcinafide, A-00176
7335-26-4 2-Methoxybenzoic acid; Et ester, *in* M-00196
7336-44-9 ▷N-Methyldemecolcine, *in* D-00062
7348-26-7 ▷3-Quinuclidinol; (±)-*form*, Benzoyl; B,HCl, *in* Q-00035
7349-46-4 ▷Mitotenamine; B,HCl, *in* M-00406
7359-91-3 2-Demethyldemecolcine, *in* D-00062
7361-61-7 ▷Xylazine, X-00021
7380-29-2 Cyclizine; B,2HCl, *in* C-00595
7388-03-6 Nifenalol; (*R*)-*form*, B,HCl, *in* N-00111
7395-90-6 1-(2-Dimethylaminoethyl)-1-phenylindene, D-00413
7409-09-8 4-Aminobenzoic acid; *N*-Et, *in* A-00216
7413-36-7 Nifenalol; (±)-*form*, *in* N-00111
7414-83-7 ▷Calcimux, *in* H-00132
7414-95-1 ▷Ponsital, *in* I-00028
7416-34-4 ▷Molindone, M-00423
7421-40-1 ▷Carbenoxolone sodium, *in* G-00072
7424-00-2 ▷2-Amino-3-(4-chlorophenyl)propanoic acid; (±)-*form*, *in* A-00226
7432-25-9 ▷Etaqualone, E-00140
7433-09-2 Cyprolidol, C-00649
7433-10-5 Butidrine, B-00403
7446-20-0 ▷Zinc sulfate; Heptahydrate, *in* Z-00018
7447-40-7 ▷Potassium chloride, P-00391
7455-39-2 Fonazine mesylate, *in* D-00396
7456-24-8 ▷Dimethothiazine, D-00396
7460-12-0 Pseudoephedrine sulfate, *in* M-00221
7481-89-2 2′,3′-Dideoxycytidine, D-00220
7483-09-2 Mesabolone, M-00130
7487-81-2 ▷Isomethadone; (*S*)-*form*, B,HCl, *in* I-00193
7487-88-9 ▷Magnesium sulfate, M-00010
7488-56-4 ▷Selenium sulfide, S-00037
7488-76-8 Anazolene, A-00379
7488-92-8 ▷Ketocainol, K-00015
7488-99-5 α-Carotene, C-00087
7489-66-9 Tipindole, T-00313
7491-42-1 1-(Hydroxymethyl)cyclohexaneacetic acid, H-00158
7492-29-7 ▷Clazolam, C-00411
7492-32-2 ▷Isopropamide(1+), I-00199
7493-90-5 Threitol, T-00219
7516-60-1 4-Sulfobenzoic acid; Dichloride, *in* S-00217
7518-35-6 ▷Mannosulfan, *in* M-00018
7527-91-5 Acrisorcin, *in* H-00071
7527-94-8 3-[(4-Aminophenyl)sulfonyl]-1,3-diphenyl-1-propanone, A-00311
7528-13-4 Carperidine, C-00092
7529-23-9 Tris(2-hydroxyethyl)amine; *N*-Oxide, *in* T-00536
7541-30-2 Mesuprine, M-00142
7542-37-2 ▷Paromomycin, P-00039
7554-16-7 Benzoquinonium(2+), B-00096
7558-79-4 ▷Sodium phosphate dibasic, *in* P-00219
7558-80-7 ▷Sodium phosphate monobasic, *in* P-00219
7559-04-8 ▷α-Tocopherolquinone, *in* T-00337
7564-03-6 SD 270-07, *in* O-00090
7568-93-6 ▷2-Amino-1-phenylethanol, A-00304
7585-89-9 2′-Deoxy-5-fluorouridine; 3′,5′-Ditosyl, *in* D-00079
7598-91-6 5-Hydroxy-2-methyl-3-indolecarboxylic acid; Et ester, *in* H-00163
7601-55-0 ▷Metocurine iodide, *in* C-00309
7617-74-5 3-(Dodecyloxy)propylamine, *in* A-00319
7618-86-2 *N*,*N*,*N*-Trimethyl-2-furanmethanaminium(1+), *in* F-00282
7619-17-2 2-Amino-1-(3-hydroxyphenyl)-1-propanol, A-00274
7632-00-0 ▷Sodium nitrite, S-00089
7635-51-0 ▷3-Methyl-2-phenylmorpholine; (2*S*,3*S*)-*form*, *N*-Me; B,HCl, *in* M-00290
7642-64-0 Nandrolone furylpropionate, *in* H-00185
7644-67-9 ▷Azotomycin, A-00531
7646-79-9 ▷Cobaltous chloride, C-00522
7646-85-7 ▷Zinc chloride, Z-00016
7647-14-5 ▷Sodium chloride, S-00085
7647-17-8 ▷Caesium chloride, C-00007
7648-98-8 Ambenonium(2+), A-00167
7654-03-7 ▷Benmoxin, B-00055
7660-71-1 ▷Mesuprine hydrochloride, *in* M-00142
7681-11-0 ▷Potassium iodide, P-00392

7681-14-3 Prednisolone *tert*-butylacetate, *in* P-00412
7681-49-4 ▷Sodium fluoride, S-00087
7681-76-7 ▷Ronidazole, R-00084
7681-78-9 Mebezonium iodide, *in* M-00034
7681-79-0 Etafedrine, E-00133
7681-80-3 1,1-Dimethyl-4-[(3-methyl-1-oxo-2-phenylpentyl)-oxy]piperidinium sulfate, *in* P-00091
7681-82-5 ▷Sodium iodide, S-00088
7681-93-8 ▷Pimaricin, P-00253
7683-59-2 ▷Isoprenaline, I-00198
7685-23-6 Gitoxin 3′,3″,3‴,4‴,16-pentaformate, *in* T-00474
7689-03-4 ▷Camptothecin; (*S*)-*form*, *in* C-00024
7696-00-6 Mitotenamine, M-00406
7696-12-0 ▷Tetramethrin, T-00143
7698-93-3 Estradiol hemisuccinate, *in* O-00028
7698-97-7 ▷5-Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid, E-00205
7700-17-6 ▷Crotoxyphos; (±)-(*E*)-*form*, *in* C-00571
7701-65-7 Metalol, M-00148
7704-67-8 Erythromix *V*, *in* E-00115
7705-08-0 ▷Ferric chloride, F-00087
7706-67-4 3-(2,4-Dimethoxyphenyl)-2-butenoic acid, D-00400
7712-50-7 ▷Myrtecaine, M-00478
7716-60-1 3-(Ethylamino)-1,2-benzisothiazole, *in* A-00214
7720-78-7 ▷Ferrous sulfate, F-00094
7722-44-3 ▷Colistin, C-00536
7722-64-7 ▷Potassium permanganate, *in* P-00127
7722-84-1 ▷Hydrogen peroxide, H-00100
7724-76-7 *N*-(3-Methyl-2-butenyl)adenosine, M-00234
7724-88-1 Estradiol propoxyphenylpropionate, *in* O-00028
7727-43-7 ▷Barium sulfate, B-00014
7732-97-0 Estradiol dienanthate, *in* O-00028
7733-02-0 ▷Zinc sulfate, Z-00018
7743-96-6 Dexamethasone 21-(3,6,9-trioxaundecanoate), *in* D-00111
7757-82-6 ▷Sodium sulfate, S-00090
7757-87-1 Magnesium phosphate, M-00009
7758-11-4 Potassium phosphate dibasic, *in* P-00219
7758-98-7 ▷Cupric sulfate, C-00576
7758-99-8 ▷Cupric sulfate; Pentahydrate, *in* C-00576
7761-45-7 ▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-methylpyrimidine, D-00124
7761-75-3 Furterene, F-00300
7761-88-8 ▷Silver nitrate, S-00068
7772-98-7 ▷Sodium thiosulfate, S-00091
7775-11-3 ▷Sodium chromate, S-00086
7778-43-0 ▷Sodium arsenate, S-00083
7778-77-0 Potassium phosphate, monobasic, *in* P-00219
7780-04-3 1-Amino-2-propanol; (±)-*form*, B,HCl, *in* A-00318
7782-63-0 ▷Melanterite, *in* F-00094
7783-47-3 ▷Stannous fluoride, S-00137
7789-04-0 ▷Chromic phosphate, C-00311
7791-11-9 ▷Rubidium chloride, R-00103
7791-12-0 ▷Thallous chloride, T-00160
7791-13-1 ▷Cobaltous chloride; Hexahydrate, *in* C-00522
7793-27-3 Dexamethasone; 21-Sulfate, *in* D-00111
8000-10-0 Theophylline sodium glycinate, *in* T-00169
8011-96-9 Calamine, C-00011
8012-34-8 ▷Mercurophylline sodium, *in* C-00067
8024-48-4 Casanthranol, C-00107
8025-81-8 ▷Spiramycin, *in* F-00249
8027-38-1 Belladonna (Extract), B-00030
8029-68-3 Ichthammol, I-00010
8031-14-9 Oxychlorosene, O-00148
8042-21-5 Jovanyl, *in* C-00289
8049-47-6 Pancreatin, P-00010
8050-81-5 Simethicone, *in* D-00390
8052-16-2 ▷Actinomycin *C*, A-00054
8056-63-1 Theophylline piperazine, *in* T-00169
8058-76-2 Ulcyn, *in* E-00047
8059-09-4 Theophylline dihydroxyephedrine, *in* T-00169
8061-51-6 ▷Polignate sodium, *in* L-00048
8062-15-5 Lignosulfonic acid, L-00048
8063-24-9 Acriflavinium chloride, *in* D-00120
8063-26-1 Dextriferron, *in* D-00114
8063-28-3 Ribaminol, R-00036
8063-91-0 Mirincamycin hydrochloride, *in* M-00393
8068-28-8 ▷Colistimethate sodium, *in* C-00536
9000-90-2 Alpha Amylase, A-00147
9000-94-6 Antithrombin III, A-00417
9000-99-1 Brinolase, B-00273
9001-00-7 ▷Bromelains, B-00287
9001-01-8 Kallikrein, K-00003
9001-09-6 Chymopapain, C-00315
9001-24-5 Factor *V*, F-00001
9001-25-6 Factor *VII*, F-00002
9001-27-8 Factor *VIII*, F-00003
9001-28-9 ▷Factor *IX*, F-00004
9001-29-0 Factor *X*, F-00005
9001-30-3 Factor *XII*, F-00006
9001-32-5 Fibrinogen, F-00103
9001-54-1 ▷Hyaluronidase, H-00092
9001-62-1 Pancrelipase, P-00011
9001-73-4 ▷Papain, P-00018
9001-74-5 Penicillinase, P-00067
9001-90-5 Plasmin, P-00370
9002-01-1 ▷Streptokinase, S-00160
9002-04-4 ▷Thrombin, T-00221
9002-07-7 ▷Trypsin, T-00565
9002-60-2 ▷Corticotrophin, C-00547
9002-61-3 ▷Gonadotropin, G-00080
9002-64-6 ▷Parathyrin, P-00030
9002-67-9 ▷Lutropin, L-00118
9002-68-0 ▷Follitropin, F-00238
9002-70-4 Serum gonadotrophin, S-00053
9002-71-5 ▷Thyrotrophin, T-00232
9002-79-3 Intermedin, I-00086
9002-81-7 Polyoxymethylene, *in* F-00244
9003-39-8 ▷Povidone, P-00393
9003-97-8 Polycarbophil, P-00382
9004-07-3 ▷Chymotrypsin, C-00316
9004-10-8 ▷Insulin, I-00076
9004-34-6 Cellulose, C-00165
9004-35-7 Cellulose acetate, *in* C-00165
9004-53-9 ▷Dextrin, D-00114
9004-54-0 ▷Dextran, D-00113
9004-70-0 ▷Nitrocellulose, *in* C-00165
9005-32-7 ▷Alginic acid, A-00115
9005-49-6 ▷Heparin, H-00026
9005-80-5 Inulin, I-00089
9005-82-7 Starch; *Unbranched-form*, *in* S-00140
9006-65-9 Dimethicone, D-00390
9007-12-9 ▷Calcitonin, C-00013
9007-83-4 Globulin, Immune, G-00049
9007-92-5 ▷Glucagon, G-00051
9008-05-3 Histoplasmin, H-00079
9008-11-1 Interferon, I-00079
9009-29-4 Polyferose, P-00383
9009-65-8 ▷Protamine sulfate, *in* P-00531
9010-01-9 Sodium amylosulfate, *in* S-00140
9010-34-8 Thyroglobulin, T-00228
9011-02-3 Policresulen, *in* D-00216
9011-04-5 ▷Hexadimethrine bromide, *in* T-00148
9011-05-6 ▷Polynoxylin, P-00385
9011-93-2 ▷Lysostaphin, L-00123
9011-97-6 Cholecystokinin, C-00304
9012-00-4 ▷Protamines, P-00531
9012-54-8 Cellulase, C-00164
9013-56-3 Factor *XIII*, F-00007
9014-02-2 ▷Neocarzinostatin, N-00067
9014-67-9 Aloxiprin, A-00144
9015-68-3 ▷Asparaginase, A-00458
9015-71-8 Corticoliberin, C-00545
9015-73-0 ▷Colextran, *in* D-00113
9016-01-7 ▷Orgotein, O-00056
9031-11-2 ▷Tilactase, T-00271
9032-37-5 Cellulose xanthate, *in* C-00165
9034-40-6 ▷Luteinizing hormone-releasing factor, L-00116
9034-47-3 Prolactostatin, P-00470
9037-22-3 Starch; *Branched-form*, *in* S-00140
9039-53-6 ▷Urokinase, U-00016
9039-61-6 ▷Batroxobin, B-00017

9041-08-1 Heparin sodium, *in* H-00026
9041-92-3 α_1-Antitrypsin, A-00418
9046-56-4 ▷Ancrod, A-00381
9050-67-3 Schizophyllan, S-00030
9060-10-0 ▷Bleomycin B_2, B-00246
9060-11-1 Bleomycin B_4, B-00245
9062-60-6 Gramicidins *A-D*; Gramicidin *B*, *in* G-00084
9062-61-7 Gramicidins *A-D*; Gramicidin *C*, *in* G-00084
9063-57-4 Tuftsin, T-00574
9083-38-9 Melanostatin, M-00074
9087-70-1 ▷Aprotinin, A-00432
10001-13-5 Pexantel, P-00133
10001-43-1 ▷Pimefylline, P-00254
10004-67-8 Amantocillin, A-00164
10008-75-0 ▷2,3-Dimercaptobutanedioic acid; (2*R**,3*R**)-*form*, *in* D-00384
10018-19-6 Stypticin, *in* C-00552
10023-54-8 Aminoquinol, A-00331
10024-97-2 ▷Nitrous oxide, N-00189
10025-70-4 ▷Strontium chloride; Hexahydrate, *in* S-00165
10025-73-7 ▷Chromic chloride, C-00310
10025-82-8 ▷Indium chloride, I-00059
10030-93-0 Pyridoxine; Tri-Ac, *in* P-00582
10034-99-8 Epsonite, *in* M-00010
10038-83-2 [4,4′-Biphenylenebis(sulfonyliminoethylene)]-bis-(trimethylammonium)(2+), B-00178
10040-34-3 Bis(4-hydroxyphenyl)(2-pyridyl)methane; Bis-(hydrogen sulfate) ester, *in* B-00221
10040-45-6 ▷Sodium picosulfate, *in* B-00221
10041-19-7 Bis(2-ethylhexyl)sulfosuccinic acid, B-00210
10042-76-9 ▷Strontium nitrate, S-00166
10043-35-3 ▷Boric acid, B-00254
10054-05-4 2,2′-(1,2-Ethanediyldiimino)bis(1-butanol); (*R*,*R*)-*form*, *in* E-00148
10054-05-4 2,2′-(1,2-Ethanediyldiimino)bis(1-butanol); (*R*,*R*)-*form*, B,2HCl *in* E-00148
10058-07-8 ES 902, *in* P-00254
10059-14-0 Prednisolone sodium tetrahydrophthalate, *in* P-00412
10061-32-2 Levophenacylmorphan, L-00039
10065-57-3 ▷Asaphan; (2*S*,2′*S*)-*form*, *in* A-00453
10066-29-2 2,6-Dimethylpiperidine; (2*RS*,6*RS*)-*form*, *in* D-00448
10072-48-7 Acefurtiamine, A-00010
10075-24-8 Tofranil-PM, *in* I-00040
10075-36-2 Isoaminile; Cyclamate (1:1), *in* I-00177
10078-46-3 Roletamide, R-00074
10085-81-1 ▷Benzoctamine hydrochloride, *in* B-00090
10087-89-5 ▷Enpromate, E-00066
10104-00-4 Metaterol; (±)-*form*, *in* M-00151
10116-22-0 Demegestone, D-00063
10118-85-1 α-Dehydrobiotin, D-00048
10118-90-8 ▷Minocycline, M-00387
10123-16-7 10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cycloheptene-5-carboxylic acid; Tropine ester; B,HCl, *in* D-00282
10124-48-8 ▷Mercury amide chloride, M-00124
10139-05-6 1-Amino-2-pyrrolidinecarboxylic acid; (*R*)-*form*, *in* A-00328
10139-98-7 ▷BS 7020a, *in* D-00087
10139-99-8 Decitropine; Maleate (1:1), *in* D-00038
10161-33-8 Trenbolone, T-00410
10161-34-9 Trenbolone acetate, *in* T-00410
10164-73-5 9,11,15-Trihydroxyprost-13-enoic acid; (8*R*,9*R*,11*R*,13*E*,15*S*)-*form*, *in* T-00484
10169-34-3 Mitomycin D, *in* P-00388
10172-02-8 Fangchinoline; (−)-*form*, *in* F-00017
10172-60-8 Benzethonium(1+), B-00079
10173-02-1 Silital, *in* C-00249
10180-86-6 Angustibalin, *in* H-00024
10182-84-0 Diphenyliodonium(1+), D-00495
10182-92-0 Trimethyltetradecylammonium(1+), T-00512
10189-94-3 Bepiastine, B-00133
10191-01-2 Euparotin, E-00273
10199-59-4 1*H*-Pyrazole-1-carboxylic acid; Et ester, *in* P-00563
10202-40-1 Flutizenol, F-00229
10206-21-0 Cephacetrile, C-00170
10210-36-3 ▷Sodium aurotiosulfate, S-00084
10212-25-6 ▷Ancitabine hydrochloride, JAN, *in* C-00600
10213-91-9 Butaperazine; Maleate, *in* B-00394
10215-89-1 Euparotin acetate, *in* E-00273
10226-54-7 Lomifylline, L-00081
10236-81-4 Prifinium(1+), P-00430
10238-21-8 ▷Glibenclamide, G-00032
10246-75-0 Equipose, *in* H-00222
10262-69-8 ▷Maprotiline, M-00021
10268-69-6 2-Aminobenzoic acid; Ph ester, *in* A-00215
10308-44-8 ▷Pregnane-3,20-diamine; (3β,5α,20*S*)-*form*, *N*-Hexa-Me, dichloride, *in* P-00416
10309-37-2 ▷Bakuchiol; (*S*)-(*E*)-*form*, *in* B-00006
10309-44-1 Bakuchiol; (*S*)-(*E*)-*form*, Me ether, *in* B-00006
10310-32-4 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; D-*form*, *in* E-00224
10311-24-7 3-(Diacetylamino)-2,4,6-triiodobenzoic acid, *in* A-00340
10318-26-0 ▷1,6-Dibromo-1,6-dideoxygalactitol, D-00163
10321-12-7 Propizepine, P-00508
10322-18-6 3,7,12-Trihydroxy-24-cholanoic acid; (3β,5β,7β,12α)-*form*, *in* T-00475
10322-73-3 ▷Estrofurate, E-00129
10326-41-7 2-Hydroxypropanoic acid; (*R*)-*form*, *in* H-00207
10328-33-3 *N*-Ethyl-*N*,*N*-dimethyl-1-hexadecanaminium, E-00182
10328-35-5 Benzyldimethyldodecylammonium(1+), B-00113
10329-60-9 Dioxifedrine, D-00477
10331-57-4 ▷Niclofolan, N-00092
10343-71-2 2′-Deoxy-5-fluorouridine; 5′-Trityl, *in* D-00079
10347-81-6 ▷Maprotiline hydrochloride, *in* M-00021
10350-81-9 ▷Amopyroquine; B,2HCl, *in* A-00358
10351-50-5 Leniquinsin, L-00023
10355-14-3 Boxidine, B-00263
10369-25-2 Xylose; α-D-*Pyranose-form*, 2,3,4-Tri-Ac, *in* X-00024
10371-86-5 ▷9-Methoxyellipticine, M-00198
10379-11-0 Nortetrazepam, N-00223
10379-14-3 ▷Tetrazepam, T-00154
10380-41-3 2-Cyano-3,3-diphenyl-2-propenoic acid, C-00582
10387-49-2 7-Hydroxy-2*H*-1-benzopyran-2-one; Ac, *in* H-00114
10387-50-5 7-(3,3-Dimethylallyloxy)coumarin, *in* H-00114
10389-72-7 ▷Clortermine hydrochloride, *in* C-00271
10389-73-8 1-(2-Chlorophenyl)-2-methyl-2-propylamine, C-00271
10397-75-8 ▷Iocarmic acid, I-00093
10400-19-8 3-Pyridinecarboxylic acid; Chloride, *in* P-00571
10402-53-6 ▷Eftapan, *in* E-00091
10402-90-1 Eprazinone, E-00091
10403-51-7 Mitindomide, M-00398
10405-02-4 ▷Trospium chloride, *in* T-00558
10414-81-0 2′-Amino-2′-deoxyadenosine, A-00233
10418-03-8 Stanozolol, S-00139
10423-37-7 ▷Citenamide, *in* D-00158
10424-65-4 ▷Tetramethylammonium(1+); Hydroxide, *in* T-00144
10433-71-3 Tiametonium iodide, *in* T-00237
10438-10-5 Cycleanine; (±)-*form*, *in* C-00590
10447-38-8 ▷Quifenadine; (±)-*form*, B,HCl, *in* Q-00006
10447-39-9 Quifenadine, Q-00006
10448-84-7 ▷Nitromifene, N-00182
10448-96-1 7α-Methylestrone, *in* O-00031
10453-86-8 ▷Resmethrin, R-00031
10457-66-6 2-(3,7-Dimethyl-2,6-octadienyl)-1,4-benzenediol, D-00438
10457-90-6 Bromperidol, B-00324
10457-91-7 Clofluperol, C-00460
10458-04-5 ▷Synopen, *in* H-00019
10470-42-5 Bakuchiol; (*S*)-(*E*)-*form*, 3,5-Dinitrobenzyl, *in* B-00006
10476-85-4 ▷Strontium chloride, S-00165
10488-36-5 ▷Tofenacin hydrochloride, *in* T-00339
10489-23-3 Tioctilate, *in* T-00193
10500-82-0 Famotine hydrochloride, *in* F-00014
10502-58-6 H 3608, *in* E-00063
10504-35-5 Ascorbic acid; D-*form*, *in* A-00456

10505-26-7 1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione; 2*H*-*form*, 2,5,7-Tri-Me, *in* P-00564
10524-82-0 Promolate; B,HCl, *in* P-00480
10532-59-9 Fasciolid, *in* H-00142
10539-14-7 2-Amino-4,6-dibromophenol, A-00239
10539-19-2 Moxaverine, M-00461
10540-29-1 ▷Tamoxifen; (*Z*)-*form*, *in* T-00023
10540-97-3 Memotine hydrochloride, *in* M-00085
10549-91-4 Meclorisone dibutyrate, *in* M-00049
10563-70-9 ▷Melitracen hydrochloride, *in* M-00081
10563-71-0 ▷Litracen; B,HCl, *in* L-00061
10565-75-0 ▷Prindamine; (±)-*form*, B,HCl, *in* P-00438
10567-22-3 2,3-Dihydroxy-1-octadecyloxypropane; (*S*)-*form*, *in* D-00337
10571-59-2 Nicoclonate, N-00094
10572-34-6 2-Cyclohexyl-4-iodo-3,5-dimethylphenol, C-00615
10590-85-9 Trichocarpin, *in* D-00316
10592-65-1 Quingestanol, Q-00024
10596-23-3 Dichloromethylenebisphosphonic acid, D-00194
11003-38-6 Capreomycin, C-00031
11005-98-4 ▷Destomycins; Destomycin *B*, *in* D-00103
11006-14-7 ▷Erysimosol, *in* T-00478
11006-76-1 ▷Virginiamycin, *in* O-00068
11006-77-2 ▷Statolon, S-00141
11011-72-6 ▷Bluensomycin, B-00247
11014-09-8 Acetylindicine, *in* I-00057
11031-11-1 ▷Phleomycin D_1, *in* B-00246
11031-82-6 ▷Streptovarycin; Streptovaricin *B*, *in* S-00163
11031-85-9 Streptovarycin; Streptovaricin *G*, *in* S-00163
11033-22-0 ▷Coformycin, C-00532
11033-23-1 ▷Cineromycin B, *in* A-00099
11033-34-4 ▷Steffimycin, S-00143
11041-12-6 ▷Cholestyramine resin, C-00307
11043-98-4 ▷Mitocromin, M-00400
11043-99-5 ▷Mitomalcin, M-00403
11048-13-8 ▷Nebramycin, N-00058
11048-15-0 Kalafungin; (+)-*form*, *in* K-00002
11049-05-1 ▷Lactenocin, *in* T-00578
11049-15-3 ▷Tylosin C, *in* T-00578
11054-24-3 Ophiopogonin A, *in* S-00128
11056-20-5 ▷Zorbamycin, Z-00038
11061-68-0 Insulin; Human insulin, INN, BAN, USAN, *in* I-00076
11076-29-2 Pepstatins; Pepstatin *AC*, *in* P-00109
11078-21-0 ▷Filipin, F-00106
11091-62-6 Insulin defalan; Porcine, *in* I-00078
11115-82-5 ▷Enramycin, *in* E-00053
11116-31-7 ▷Bleomycin A_2, B-00243
11116-32-8 ▷Bleomycin A_5, B-00244
12002-30-1 Piperazine calcium edetate, *in* P-00285
12011-77-7 Dihydroxy aluminum sodium carbonate, *in* D-00306
12182-48-8 Glucalox, *in* G-00064
12192-57-3 ▷(1-Thioglucopyranosato)gold; D-*form*, *in* T-00201
12211-28-8 Sutilains, S-00279
12214-50-5 Sodium glucaspaldrate, *in* B-00185
12286-76-9 Ferritose, *in* F-00088
12304-65-3 Hydrotalcite, H-00103
12321-44-7 Calcitonin; Porcine, *in* C-00013
12408-47-8 Simaldrate, S-00072
12607-92-0 ▷Aceglutamide aluminum, *in* A-00012
12629-01-5 Human pituitary growth hormone, H-00090
12650-69-0 ▷Pseudomonic acid *A*, P-00552
12656-40-5 ▷Althiomycin, A-00158
12684-33-2 ▷Sibiromycin, S-00064
12698-99-6 ▷Hachimycin; Trichomycin *A*, *in* H-00001
12699-00-2 Hachimycin; Trichomycin *B*, *in* H-00001
12704-90-4 ▷1-Methylmocimycin, *in* M-00413
12706-94-4 ▷Hikizimycin, H-00075
13002-65-8 ▷Tamoxifen; (*E*)-*form*, *in* T-00023
13007-93-7 ▷Cuproxoline, *in* B-00223
13009-99-9 ▷Mafenide acetate, JAN, *in* M-00002
13010-47-4 ▷Lomustine, L-00083
13013-15-5 Moramide, M-00437
13013-17-7 ▷Propranolol; (±)-*form*, *in* P-00514
13019-52-8 Biopterin; (1′*R*,2′*R*)-*form*, *in* B-00172
13021-53-9 1-*tert*-Butoxy-3-methoxy-2-propanol, B-00422
13026-50-1 ▷2-Amino-1-(3-hydroxyphenyl)ethanol; (±)-*form*, *in* A-00272
13029-44-2 ▷Dienestrol; (*E*,*E*)-*form*, *in* D-00223
13039-62-8 Biopterin; (1′*S*,2′*R*)-*form*, *in* B-00172
13039-82-2 Biopterin; (1′*S*,2′*S*)-*form*, *in* B-00172
13040-98-7 ▷Bronco-Was, *in* G-00097
13042-18-7 ▷Fendiline, F-00044
13045-94-8 ▷Melphalan; (*R*)-*form*, *in* M-00084
13050-83-4 (3-Phenoxypropyl)guanidine, P-00173
13051-01-9 ▷Carbazochrome salicylate, *in* A-00077
13052-92-1 Anaesthaminol, *in* A-00263
13053-82-2 2-Aminothiazole; *N*-Benzoyl, *in* A-00336
13055-58-8 5-Cyano-5*H*-dibenzo[*a*,*d*]cycloheptene, *in* D-00158
13055-82-8 ▷Reproterol hydrochloride, *in* R-00026
13057-72-2 7-Hydroxyisoflavone, H-00144
13058-67-8 ▷Lucensomycin, L-00112
13061-27-3 Genpiral, *in* S-00195
13071-11-9 Dexpropranolol hydrochloride, *in* P-00514
13074-00-5 ▷Azastene, A-00511
13085-08-0 Mazipredone, M-00030
13087-53-1 ▷Meglumine iotalamate, JAN, *in* I-00140
13093-88-4 ▷Perimetazine, P-00122
13103-34-9 Boldenone undecylenate, *in* H-00108
13130-23-9 3,5-Dibromo-2-methoxybenzoic acid, *in* D-00165
13134-49-1 Dimethylaminopyrazine; 4-Oxide, *in* D-00421
13157-90-9 Benzquercin, *in* P-00082
13171-25-0 ▷Trimetazidine hydrochloride, JAN, *in* T-00497
13182-87-1 Metronidazole hydrogen succinate, *in* M-00344
13182-89-3 Metronidazole benzoate, *in* M-00344
13187-06-9 BP 400, *in* P-00257
13221-27-7 Tribuzone, T-00430
13237-70-2 Fosmenic acid, F-00256
13242-44-9 ▷Captamine hydrochloride, *in* A-00252
13246-02-1 ▷Febarbamate, F-00022
13254-33-6 ▷Carpronium chloride, *in* C-00100
13283-82-4 Glycopyrronium(1+), G-00070
13289-18-4 ▷Hellebrin, *in* T-00477
13292-46-1 ▷Rifampicin, R-00045
13309-41-6 Carbolonium(2+), C-00055
13311-84-7 ▷Flutamide, F-00224
13329-35-6 Norbutrine; (±)-*form*, B,HCl, *in* N-00210
13334-71-9 1-Chloro-4-methoxy-2-methylbenzene, *in* C-00256
13345-50-1 ▷15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid; (5*Z*,8*R*,12*S*,13*E*,15*S*)-*form*, *in* H-00187
13352-70-0 ▷KSW 788, *in* C-00451
13355-00-5 ▷Melarsonyl potassium, *in* M-00076
13362-26-0 2-Amino-3-pyridinecarboxylic acid; Et ester, *in* A-00326
13364-32-4 ▷Clobenzorex, C-00435
13369-07-8 Sulfatrozole, S-00213
13370-80-4 3-Pyridinecarboxaldehyde; Semicarbazone, *in* P-00569
13392-18-2 ▷Fenoterol, F-00064
13392-25-1 Orciprenaline; (±)-*form*, *in* O-00053
13392-28-4 1-(1-Adamantyl)ethylamine, A-00063
13398-52-2 Nu-1779, *in* P-00460
13402-51-2 ▷Tibenzate, *in* T-00193
13405-77-1 Methiomeprazine, M-00182
13409-28-4 Podilfen; (±)-*form*, B,2HCl, *in* P-00375
13409-53-5 Podilfen, P-00375
13410-86-1 Aconiazide, A-00046
13411-16-0 ▷Nifurpirinol, N-00128
13412-64-1 ▷Dicloxacillin sodium, *in* D-00214
13422-16-7 Triflocin, T-00459
13422-51-0 Vitamin B_{12b}, V-00061
13422-52-1 Vitamin B_{12a}, V-00060
13422-55-4 Methylcobalamin, M-00241
13425-92-8 4-Amino-6,7-dimethoxyquinoline, A-00250
13425-98-4 ▷Improsulfan, *in* I-00037
13438-65-8 2-Amino-3-pyridinecarboxylic acid; Amide, *in* A-00326
13445-12-0 Iobutoic acid, I-00092
13445-63-1 Itramin tosylate, *in* A-00254
13447-95-5 4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide, *in* I-00195

13448-22-1 ▷Clorotepine, C-00501
13456-08-1 ▷Bitipazone, B-00240
13460-98-5 ▷Theodrenaline, T-00167
13461-01-3 Aceprometazine, A-00016
13463-41-7 ▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574
13463-67-7 ▷Titanium dioxide, T-00326
13465-41-3 Permanganic acid, P-00127
13470-05-8 Strontium nitrate; Tetrahydrate, *in* S-00166
13471-78-8 Chlorothiamine, *in* B-00025
13472-75-8 2-Aminothiazole; *N*-Et, *in* A-00336
13472-99-6 2-Aminothiazole; *N*-Di-Et, *in* A-00336
13473-38-6 ▷Pipenzolate(1+), P-00279
13473-61-5 Methylbenactyzium(1+), M-00227
13479-13-5 Pargeverine, P-00035
13492-01-8 ▷Tranylcypromine sulfate, *in* P-00186
13495-09-5 Piminodine, P-00260
13501-04-7 Buban, *in* B-00359
13523-86-9 ▷Pindolol, P-00270
13539-59-8 ▷Azapropazone, A-00507
13551-87-6 ▷Misonidazole, M-00395
13563-60-5 Norgesterone, N-00215
13580-23-9 3-Methyl-2-phenylmorpholine; (2*RS*,3*SR*)-*form*, *in* M-00290
13583-21-6 4-Chloro-17-hydroxyestr-4-en-3-one; 17β-*form*, *in* C-00242
13589-71-4 2-Cyano-6-methylphenol, *in* H-00155
13609-67-1 ▷Hydrocortisone butyrate, *in* C-00548
13614-98-7 ▷Minocycline hydrochloride, *in* M-00387
13642-52-9 ▷Soterenol, S-00107
13647-35-3 ▷Trilostane, T-00489
13655-52-2 ▷Alprenolol, A-00151
13657-24-4 Norbiline, *in* D-00512
13665-88-8 ▷Mopidamol, M-00433
13669-70-0 ▷Nefopam, N-00063
13674-05-0 ▷1-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propylamine, M-00201
13682-92-3 (Glycinato-*N*,*O*)dihydroxyaluminum, G-00067
13696-15-6 Benzopyrronium bromide, *in* B-00095
13698-16-3 *N*,*N*-Dichlorourethane, *in* E-00177
13698-49-2 Delmadinone acetate, *in* D-00054
13699-29-1 Methoxamine; (−)-*form*, *in* M-00194
13707-88-5 ▷Alprenolol hydrochloride, *in* A-00151
13710-19-5 ▷Tolfenamic acid, T-00349
13717-04-9 ▷Propiram fumarate, *in* P-00505
13718-28-0 Sodium pertechnetate, *in* P-00130
13739-02-1 ▷Diacerein, *in* D-00309
13739-04-3 4,5-Dihydroxyanthraquinone-2-carboxylic acid; Di-Ac, Me ester, *in* D-00309
13741-18-9 Xibornol, X-00013
13752-33-5 ▷Panidazole, P-00013
13754-56-8 ▷Prothanon, *in* P-00478
13755-38-9 ▷Sodium nitroferricyanide, *in* P-00083
13757-97-6 Quinterenol, Q-00033
13758-23-1 Quinterenol sulfate, *in* Q-00033
13799-03-6 Protizinic acid, P-00539
13804-47-2 Benzoin; (±)-*form*, 2,4-Dinitrophenylhydrazone, *in* B-00093
13838-08-9 Azidamfenicol; (1*R*,2*R*)-*form*, *in* A-00519
13838-16-9 ▷2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, C-00230
13862-07-2 ▷2-(Diphenylmethyl)-1-piperidineethanol, D-00499
13867-82-8 Cloxotestosterone acetate, *in* H-00111
13870-90-1 Coenzyme B_{12}, C-00529
13877-99-1 ▷Minepentate, M-00385
13878-10-9 4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid; (−)-*form*, *in* C-00220
13878-16-5 4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid, C-00220
13885-31-9 Orestrate, O-00055
13889-98-0 Piperazine; *N*-Ac, *in* P-00285
13890-14-7 4-Guanidinobutanoic acid; B,HCl, *in* G-00110
13898-58-3 4-(Benzamido)salicylic acid, *in* A-00264
13900-14-6 Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567
13909-09-6 ▷Semustine, S-00041
13912-77-1 Octacaine, O-00005
13912-80-6 2-Butoxyethyl 3-pyridinecarboxylate, B-00421
13925-12-7 ▷1-Hydroxy-6-methoxyphenazine 5,10-dioxide, H-00152
13929-35-6 ▷Rifamycin *B*, R-00047
13930-34-2 Clormecaine, *in* A-00224
13931-64-1 Procymate, P-00456
13931-73-2 *N*-(1-Phenylheptyl)-3-pyridinecarboxamide, P-00190
13931-75-4 ▷Phenmetrazine teoclate, *in* M-00290
13946-02-6 Iproheptine, *in* M-00257
13954-21-7 Barbaloin; Hepta-Me ether, *in* B-00013
13957-36-3 Meladrazine, M-00073
13957-38-5 Hydrobentizide, *in* B-00103
13958-40-2 Oxiramide; *cis*-*form*, *in* O-00118
13977-28-1 ▷Bromadryl, *in* E-00033
13977-33-8 Demelverine, *in* D-00491
13980-94-4 ▷2-(3-Chlorophenyl)-3-methyl-2,3-butanediol, C-00267
13980-98-8 HT 1479, *in* D-00395
13997-19-8 Methyl benzoquate, M-00232
14002-33-6 3,3′-Iminobis-1-propanol, I-00037
14007-49-9 ▷Ambutonium(1+), A-00175
14007-53-5 Fenpipramide; B,HCl, *in* F-00070
14007-64-8 Butethamate, B-00399
14008-14-1 2,2-Bis[4-(acetyloxy)phenyl]-2*H*-1,4-benzoxazin-3(4*H*)-one, *in* B-00234
14008-44-7 ▷Metopimazine, M-00332
14008-46-9 ▷Pinoxepin hydrochloride, *in* P-00272
14008-60-7 2-Hydroxy-3-methylbenzamide, *in* H-00155
14008-66-3 Pinoxepin; (*Z*)-*form*, *in* P-00272
14008-71-0 Xanthiol, X-00004
14008-79-8 Clobenztropine; B,HCl, *in* C-00436
14009-24-6 Drotaverine, D-00611
14019-10-4 Methadol; (3*S*,6*S*)-*form*, *in* M-00162
14028-44-5 ▷Amoxapine, A-00362
14028-67-2 1,2,3,4-Tetrahydroisoquinoline; *N*-Ac, *in* T-00120
14051-33-3 Benzetimide, B-00080
14055-89-1 Isobucaine, I-00179
14058-90-3 Metazamide, M-00153
14066-69-4 Formaldehyde; Semicarbazone, *in* F-00244
14066-79-6 Chloroprednisone acetate, *in* C-00232
14075-13-9 Carpronium(1+), C-00100
14079-08-4 Dibatod, D-00153
14088-71-2 Proclonol, P-00453
14089-84-0 Proxibutene, P-00547
14099-81-1 ▷1,2,3,4-Tetrahydroisoquinoline; B,HCl, *in* T-00120
14107-37-0 ▷3α,21-Dihydroxypregnane-11,20-dione, *in* H-00200
14110-64-6 Cytochalasin *A*, C-00657
14144-06-0 Trillin, *in* S-00129
14148-99-3 ▷Calmodor, *in* D-00492
14149-43-0 ▷Trimethidinium methosulphate, *in* T-00499
14166-26-8 Taglutimide, T-00003
14173-39-8 2-Amino-3-(4-chlorophenyl)propanoic acid, A-00226
14176-10-4 Cetiedil, C-00183
14176-49-9 Tiletamine, T-00272
14176-50-2 Tiletamine hydrochloride, *in* T-00272
14177-81-2 ▷Diphenhydramine methiodide, *in* M-00064
14191-92-5 ▷Testosterone hexahydrobenzoate, *in* H-00111
14200-62-5 Glucitol; D-*form*, 6-Benzoyl, *in* G-00054
14210-97-0 1,4-Benzenediol; Dibenzoyl, *in* B-00074
14214-84-7 Oxyphenonium(1+), O-00161
14222-46-9 ▷Pyrithidium bromide, *in* P-00589
14222-60-7 ▷Prothionamide, P-00535
14235-86-0 ▷Hydrargaphen, H-00094
14252-80-3 ▷Bupivacaine hydrochloride, *in* B-00368
14255-61-9 Hydroxymethanediphosphonic acid; Di-Na salt, *in* H-00146
14255-87-9 ▷Parbendazole, P-00032
14257-84-2 2-Amino-2-phenylacetic acid; (*R*)-*form*, *N*-Ac, *in* A-00300
14259-53-1 Adigenin, *in* T-00474
14261-75-7 Cloforex, C-00462

14266-22-9 Tretoquinol, T-00418
14271-05-7 Dihydroergocryptine; [5′α(*R*)]-*form*, B,$MeSO_3H$, *in* D-00285
14271-58-0 Tipindole; B,HCl, *in* T-00313
14286-84-1 ▷Halidor, *in* B-00042
14289-25-9 Diproleandomycin, *in* O-00035
14293-44-8 Xipamide, X-00017
14317-18-1 ▷Biligram, *in* I-00115
14318-36-6 Tetrahydro-2*H*-1,3,5-thiadiazine-2-thione; 3,5-*N*-Di-Ph, *in* T-00135
14334-40-8 *N*-(1-Methylethyl)-4,4-diphenylcyclohexanamine, *in* D-00490
14347-92-3 Isomethadol; α-(−)-*form*, *in* I-00192
14347-93-4 Isomethadol; β-(+)-*form*, *in* I-00192
14357-78-9 ▷Diprenorphine, D-00520
14368-24-2 ▷Trocimine, T-00544
14376-16-0 Calcium sulphaloxate, *in* S-00241
14389-86-7 Methyl 2-hydroxybenzoate; Phenyl ether, *in* M-00261
14409-72-4 Nonoxynol 9, N-00206
14417-88-0 ▷Melinamide; (*Z*,*Z*)-*form*, *in* M-00080
14430-18-3 Yohimbine; (+)-*form*, *O*-Ac; B,HCl, *in* Y-00002
14435-78-0 Leioplegil, *in* L-00020
14437-41-3 ▷Clioxanide, C-00430
14439-61-3 4′-Chlorodiazepam, C-00227
14457-83-1 Nesquehonite, *in* M-00006
14459-29-1 ▷Haematoporphyrin, H-00002
14461-91-7 Cyclazodone, C-00589
14480-84-3 Pexantel; Maleate, *in* P-00133
14484-47-0 ▷Deflazacort, D-00046
14492-32-1 Diclometide; B,HCl, *in* D-00213
14504-73-5 Tritoqualine, T-00541
14516-56-4 Perazine; Maleate (1:2), *in* P-00116
14521-96-1 ▷Etorphine, E-00263
14538-56-8 Piperazine; B,H_3PO_4, *in* P-00285
14546-13-5 Progesterone; (±)-*form*, *in* P-00466
14556-46-8 ▷Bupranolol, B-00369
14558-33-9 4,4-Diphenylcyclohexylamine, D-00490
14559-79-6 Depressin, *in* P-00508
14561-42-3 2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthoquinone, C-00620
14575-59-8 3,5-Diamino-1*H*-1,2,4-triazole; 1-Ph, *in* D-00137
14587-50-9 Difeterol, D-00266
14611-51-9 *N*,α-Dimethyl-*N*-2-propynylphenethylamine; (*R*)-*form*, *in* D-00449
14611-52-0 ▷Eldepryl, *in* D-00449
14613-01-5 Aluminum clofibrate, *in* C-00456
14613-30-0 Magnesium clofibrate, *in* C-00456
14636-12-5 Terlipressin, T-00093
14641-96-4 ▷Atromepine; [3(*S*)-*endo*]-*form*, B,HCl, *in* A-00474
14648-14-7 Normorphine; 3-Me ether; B,HCl, *in* N-00222
14667-47-1 2-Amino-3-pyridinecarboxylic acid; Me ester, *in* A-00326
14679-73-3 ▷Todralazine, T-00338
14686-61-4 ▷N-Formyldemecolcine, *in* D-00062
14698-29-4 ▷Oxolinic acid, O-00131
14728-33-7 Teroxalene, T-00095
14736-31-3 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Et ester, *in* O-00125
14745-36-9 α-Tocopherolhydroquinone, T-00337
14745-50-7 Meletimide, M-00079
14759-04-7 ▷Oxyridazine, O-00164
14759-06-9 ▷Sulforidazine, S-00222
14761-56-9 Caerulomycin; *O*-Me, *in* C-00006
14761-57-0 Caerulomycin; *O*-Ac, *in* C-00006
14769-73-4 Tetramisole; (*S*)-*form*, *in* T-00151
14769-74-5 Tetramisole; (*R*)-*form*, *in* T-00151
14773-50-3 3-Ethoxypyridine, *in* H-00209
14777-22-1 ▷Phenoperidone; B,HCl, *in* P-00166
14785-50-3 Tiapirinol, T-00242
14796-24-8 Cinperene, C-00380
14796-28-2 Clodanolene, C-00447
14796-41-9 Mefruside; (*R*)-*form*, *in* M-00069
14796-42-0 Mefruside; (*S*)-*form*, *in* M-00069
14798-76-6 Pteroylaspartic acid, P-00553
14816-18-3 ▷Phoxim, P-00221
14816-67-2 ▷Soterenol hydrochloride, *in* S-00107
14817-09-5 ▷4-(Decyloxy)-3,5-dimethoxybenzamide, D-00042
14838-15-4 ▷2-Amino-1-phenyl-1-propanol; (1*RS*,2*SR*)-*form*, *in* A-00308
14860-49-2 ▷Clobutinol, C-00438
14869-39-7 2-Ethoxyacetophenone, *in* H-00107
14885-29-1 ▷2-Isopropyl-1-methyl-5-nitroimidazole, I-00209
14899-36-6 Dexamethasone palmitate, *in* D-00111
14901-20-3 Guanidinoacetic acid; B,HCl, *in* G-00109
14904-71-3 3,14-Dihydroxy-4,20,22-bufatrienolide; (3β,14β)-*form*, 3-(β-D-Glucoside), *in* D-00319
14910-31-7 Quinuronium(2+), Q-00037
14913-33-8 ▷Diamminedichloroplatinum; *trans-form*, *in* D-00139
14918-35-5 ▷Destomycins; Destomycin *A*, *in* D-00103
14919-77-8 ▷Benserazide hydrochloride, JAN, *in* B-00064
14929-11-4 ▷Simfibrate, S-00074
14930-96-2 ▷Cytochalasin *B*, C-00658
14976-57-9 ▷Clemastine fumarate, JAN, *in* C-00416
14984-66-8 Riboflavine 2′,3′,4′,5′-tetra-3-pyridinecarboxylate, *in* R-00038
14984-68-0 Cloperastine hydrochloride, JAN, *in* C-00482
15016-15-6 ▷Ambucaine; B,HCl, *in* A-00172
15027-96-0 N^3-Acetylpachysamine A, *in* P-00416
15031-89-7 1,4,6-Trimethyl-2(1*H*)-pyridinone, *in* D-00451
15037-44-2 Ethonam, E-00159
15037-55-5 Ethonam nitrate, *in* E-00159
15042-30-5 Dimesone; 21-Ac, *in* D-00386
15053-99-3 Pipethiadene, P-00297
15062-34-7 ▷4-Bromo-2-isopropyl-5-methylphenol, B-00306
15078-28-1 Pentakis(cyano-*C*)nitrosylferrate(2−), P-00083
15087-27-1 Ibuprofen, I-00008
15130-91-3 Sultroponium, S-00265
15140-27-9 Estradiol hexahydrobenzoate, *in* O-00028
15145-14-9 Ciclactate, *in* T-00506
15148-80-8 ▷Bupranolol hydrochloride, JAN, *in* B-00369
15176-29-1 ▷Edoxudine, E-00015
15179-96-1 Nifurimide; (±)-*form*, *in* N-00122
15179-97-2 Estrazinol hydrobromide, *in* E-00128
15180-00-4 ▷Prednisolone valerate, *in* P-00412
15180-02-6 Amfonelic acid, A-00185
15180-03-7 ▷Alcuronium chloride, *in* A-00105
15185-97-4 Perithiadene, *in* P-00297
15198-07-9 2-Hydroxy-3-methylbenzoic acid; Chloride, *in* H-00155
15207-51-9 1,2,3,4-Tetrahydro-1-methylquinoline; Picrate, *in* T-00127
15207-88-2 Tetramethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132
15221-80-4 Fludorex; B,HCl, *in* F-00145
15221-81-5 ▷Fludorex, F-00145
15228-71-4 ▷Leurosidine, L-00036
15256-58-3 *N*-(Benzyloxy)-*N*-(3-phenylpropyl)acetamide, B-00125
15262-77-8 Delmadinone, D-00054
15262-86-9 Testosterone isocaproate, *in* H-00111
15284-15-8 ▷Methadone; (*S*)-*form*, B,HCl, *in* M-00163
15296-00-1 Mesoridazine; Tartrate, *in* M-00134
15301-40-3 8-Ethoxy-5-quinolinesulfonic acid, E-00171
15301-45-8 5,6-Dihydro-6-phenylimidazo[2,1-*b*]thiazole; (±)-*form*, *in* D-00296
15301-48-1 ▷Bezitramide, B-00149
15301-54-9 2-Phenylcyclopentylamine, P-00185
15301-67-4 Feneritrol, F-00046
15301-69-6 Flavoxate, F-00112
15301-80-1 Oxamarin, O-00081
15301-82-3 Pecocycline, P-00049
15301-88-9 Pytamine, P-00601
15301-89-0 Quillifoline, Q-00007
15301-93-6 Tofenacin, T-00339
15301-96-9 Thyromedan, T-00230
15301-97-0 ▷Xylocoumarol, X-00022
15302-05-3 Butoxylate, *in* D-00265
15302-10-0 Clibucaine, C-00423
15302-12-2 Dimelazine, D-00378
15302-15-5 2-(2-Ethoxyethoxy)benzamide, E-00164

15302-16-6 ▷2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, E-00174
15302-18-8 *N*-(α-Methylphenethyl)formamide, *in* P-00202
15307-79-6 ▷Diclofenac sodium, *in* D-00210
15307-86-5 ▷Diclofenac, D-00210
15308-34-6 ▷2-Amino-1-(3-hydroxyphenyl)ethanol; (±)-*form*, B,HCl, *in* A-00272
15311-77-0 ▷Cloxypendyl, C-00520
15318-45-3 ▷Thiamphenicol; (1′*R*,2′*R*)-*form*, *in* T-00179
15339-50-1 Ferrotrenine, F-00091
15350-99-9 Amoxydramine camsilate, *in* D-00484
15351-04-9 Becanthone, B-00021
15351-05-0 Buzepide metiodide, *in* B-00434
15351-09-4 ▷Dimepropion, D-00382
15351-13-0 Nicofuranose, N-00098
15356-20-4 2-Isopropyl-5-methylcyclohexanol; (1*RS*,3*RS*,4*SR*)-*form*, *in* I-00208
15357-34-3 3,7-Dihydroxy-24-cholanoic acid; (3α,5α,7α)-*form*, *in* D-00320
15372-34-6 Doisynoestrol, D-00570
15378-99-1 ▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane; *syn-form*, *in* M-00203
15384-26-6 2′-Deoxy-5-iodouridine; 3′-Ac, *in* D-00081
15386-69-3 Cordycepin; 2-Fluoro, *in* C-00543
15387-10-7 ▷Niprofazone, N-00155
15387-18-5 Fezatione, F-00099
15394-61-3 Parapenzolate(1+), P-00028
15414-60-5 5-Bromo-2′-deoxyuridine; 5′-Trityl, *in* B-00296
15414-61-6 2′-Deoxy-5-iodouridine; 5′-Trityl, *in* D-00081
15414-62-7 5-Bromo-2′-deoxyuridine; 3′-Ac, *in* B-00296
15421-84-8 ▷Trapidil, T-00401
15433-28-0 Rixapen, *in* C-00470
15437-92-0 Saracodine, *in* P-00416
15448-99-4 Saccharin; *N*-Me, *in* S-00002
15457-50-8 4-Hydroxybenzanilide, *in* A-00298
15468-10-7 Hydroxymethanediphosphonic acid, H-00146
15470-58-3 Bis(2-chloroethyl)carbamic acid (1,2-diethyl-1,2-ethenediyl)di-4,1-phenylene ester, *in* D-00257
15471-41-7 O-Acetylyohimbine, *in* Y-00002
15500-66-0 ▷Pancuronium bromide, *in* P-00012
15510-55-1 Nycal, *in* D-00568
15518-76-0 ▷Cyproximide, C-00652
15518-82-8 ▷Metescufylline, *in* D-00332
15518-82-8 ▷Metscufylline, *in* E-00137
15518-84-0 Mobecarb, M-00411
15518-87-3 Myralact, *in* H-00133
15529-92-7 Methadol; (3*R*,6*S*)-*form*, *in* M-00162
15534-05-1 Pipratecol, P-00307
15534-92-6 Bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)acetic acid, B-00203
15537-71-0 Acetylpenicillamine, *in* P-00064
15570-18-0 2-(Phenylthio)benzoic acid, *in* M-00114
15574-49-9 Ethyl 5-hydroxy-1,2-dimethyl-3-indolecarboxylate, *in* H-00163
15574-96-6 Pizotifen, P-00368
15578-26-4 Stannous pyrophosphate, S-00138
15585-70-3 Bibenzonium bromide, *in* B-00151
15585-71-4 Brometenamine, *in* H-00057
15585-86-1 Cyprodenate, C-00647
15585-88-3 2-(Diethylamino)ethyl diphenylcarbamate, D-00235
15590-00-8 Etamocycline, E-00138
15590-01-9 Etamocycline; B,2HCl, *in* E-00138
15599-22-1 Cyclopyrronium bromide, *in* C-00637
15599-26-5 Droxypropine, D-00616
15599-27-6 Etaminile, E-00136
15599-36-7 Halethazole, H-00005
15599-37-8 Hexapradol, H-00060
15599-39-0 ▷*N*-Hydroxymethyl-*N*′-methylthiourea, H-00165
15599-44-7 Spirotriazine; B,HCl, *in* S-00130
15599-45-8 Symetine, S-00284
15599-51-6 Apicycline, A-00423
15599-52-7 5,7-Dibromo-8-hydroxy-2-methylquinoline, D-00166
15622-65-8 ▷Molindone hydrochloride, *in* M-00423
15662-33-6 ▷Ryanodine, R-00108
15663-27-1 ▷Diamminedichloroplatinum; *cis-form*, *in* D-00139
15676-16-1 ▷Sulpiride, S-00259
15686-23-4 Trimoxamine, T-00519
15686-27-8 Amfepentorex, A-00182
15686-33-6 Biclotymol, B-00155
15686-37-0 ▷Butriptyline, B-00424
15686-44-9 Genovul, *in* C-00518
15686-51-8 Clemastine; (2*R*,α*R*)-*form*, *in* C-00416
15686-60-9 ▷Flavamine, F-00109
15686-61-0 ▷Fenproporex; (±)-*form*, *in* F-00073
15686-63-2 ▷Etabenzarone, E-00131
15686-68-7 Volazocine, V-00066
15686-71-2 ▷Cephalexin, C-00173
15686-74-5 Cyclophenazine hydrochloride, *in* C-00329
15686-76-7 Bensalan, B-00063
15686-77-8 Fursalan, F-00298
15686-81-4 Norbutrine, N-00210
15686-83-6 ▷Pyrantel; (*E*)-*form*, *in* P-00558
15686-87-0 Pifenate, P-00246
15686-91-6 ▷Propiram, P-00505
15686-97-2 Pyrroliphene, P-00599
15687-05-5 Cloracetadol, C-00492
15687-07-7 ▷Cyprazepam, C-00645
15687-08-8 α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine; (+)-*form*, *in* M-00269
15687-09-9 Difebarbamate, D-00260
15687-13-5 Dodeclonium bromide, *in* D-00565
15687-14-6 Embutramide, E-00034
15687-16-8 Carbiphene, C-00053
15687-18-0 ▷2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, C-00270
15687-21-5 Flumedroxone, F-00154
15687-22-6 Folescutol, F-00237
15687-23-7 Guaiactamine, G-00091
15687-33-9 Methindizate, M-00181
15687-37-3 Naftazone, N-00022
15687-41-9 Oxyfedrine, O-00151
15690-55-8 ▷Clomiphene; (*Z*)-*form*, *in* C-00471
15690-57-0 ▷Clomiphene; (*E*)-*form*, *in* C-00471
15708-41-5 ▷Sodium ironedetate, *in* E-00186
15722-48-2 Olsalazine, O-00041
15734-93-7 Fenalamide; B,HCl, *in* F-00033
15764-52-0 2,2′-Dihydroxydiphenyl ether, D-00325
15766-94-6 Theophylline ephedrine, *in* T-00169
15767-73-4 ▷Pascain, *in* H-00206
15769-77-4 Nalidixate sodium, *in* N-00029
15790-02-0 Tropodifene, T-00556
15790-59-7 3,5-Dibromo-2-hydroxybenzoic acid; Me ether, Me ester, *in* D-00165
15793-38-1 Quinazosin, Q-00014
15793-40-5 Terodiline, *in* D-00489
15799-79-8 3-Dimethylaminoanisole, *in* A-00297
15816-58-7 Etamocycline; Dimaleate, *in* E-00138
15816-61-2 Furedeme, *in* F-00300
15823-89-9 Angolon, *in* I-00042
15825-70-4 ▷Mannitol hexanitrate, *in* M-00018
15826-37-6 ▷Cromolyn sodium, *in* C-00565
15830-52-1 9-Arabinofuranosyladenine; β-D-*form*, 2′,3′,5′-Tri-Ac, *in* A-00435
15832-68-5 *p*-Methyldiphenhydramine; (+)-*form*, *in* M-00247
15840-87-6 1,1′-Bisisomenthone, B-00224
15845-96-2 Diflucortolone pivalate, *in* D-00270
15867-21-7 Prodine; (3*RS*,4*SR*)-*form*, *in* P-00460
15869-17-7 Oxyridazine; (±)-*form*, Tartrate, *in* O-00164
15876-67-2 ▷Distigmine bromide, *in* D-00540
15879-93-3 ▷Chloralose; (1′*R*)-*form*, *in* C-00193
15885-46-8 3,3′,4,4′,5,7-Hexahydroxyflavan; Hexa-Ac, *in* H-00054
15905-32-5 ▷Erythrosine, E-00118
15923-61-2 α,α-Diphenyl-2-piperidinemethanol; (*R*)-*form*, *in* D-00504
15942-05-9 Ambroxol hydrochloride, JAN, *in* A-00170
15949-72-1 Prazocillin, P-00408
15962-46-6 2-Amino-2-phenylacetic acid; (±)-*form*, *N*-Ac, *in* A-00300

15992-13-9 ▷Intrazole, I-00087
15997-76-9 Nonaperone, N-00204
16001-93-7 Tetramethyl methylenebisphosphonate, *in* M-00168
16006-74-9 Phenylbutazone trimethylgallate, *in* P-00180
16008-36-9 Methyldesorphine, M-00243
16024-67-2 Iotrizoic acid, I-00143
16034-77-8 ▷Iocetamic acid, I-00094
16051-77-7 Isosorbide mononitrate, *in* D-00144
16054-80-1 1,2,3,4-Tetra-*O*-benzoylerythritol, *in* E-00114
16088-56-5 ▷Dioxathion; *Cis-form*, *in* D-00475
16110-51-3 Cromoglycic acid, C-00565
16112-95-1 2-(1-Aminopropyl)-2-indanol; B,HCl, *in* A-00320
16112-96-2 2-(1-Aminopropyl)-2-indanol, A-00320
16115-08-5 4,6-Dimethyl-2(1*H*)-pyridinone, D-00451
16117-45-6 NIH 8973, *in* T-00340
16122-04-6 Methoxamine; (−)-*form*, B,HCl, *in* M-00194
16142-27-1 Linsidomine; B,HCl, *in* L-00052
16146-79-5 ▷Rec 7/0052, *in* F-00109
16169-88-3 1-Phenyl-2-propyn-1-ol; (±)-*form*, Ac, *in* P-00204
16170-76-6 Bromebric acid, B-00286
16185-21-0 Sulfamothepin, S-00201
16188-61-7 Talastine, T-00006
16188-76-4 ▷HL 2186, *in* T-00006
16199-90-9 Cetiedil; B,HCl, *in* C-00183
16203-97-7 ▷Triacetoxyanthracene, *in* D-00310
16208-51-8 Dimesna, *in* D-00550
16231-75-7 Atolide, A-00471
16232-87-4 Theodrenaline; (*R*)-*form*, *in* T-00167
16237-07-3 Methylnicethamide, *in* D-00241
16259-34-0 Penimocycline, P-00069
16259-35-1 Penimocycline; Et_3N salt, *in* P-00069
16270-86-3 ▷Dioxathion; *Trans-form*, *in* D-00475
16310-20-6 5-Hydroxytryptamine; *O*-Sulfate, *in* H-00218
16313-96-5 Penimocycline; Procaine salt, *in* P-00069
16320-04-0 ▷Gestrinone, G-00022
16330-14-6 1,1,2,2-Tetraethoxypropane, *in* P-00600
16376-36-6 Chloralose; (1′*S*)-*form*, *in* C-00193
16376-74-2 Valethamate(1+), V-00003
16378-21-5 ▷Piroheptine, P-00346
16378-22-6 ▷Piroheptine hydrochloride, JAN, *in* P-00346
16395-57-6 5-Oxo-2-pyrrolidinecarboxylic acid; (*S*)-*form*, Amide, *in* O-00140
16401-80-2 1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
16423-68-0 ▷Ceplac, *in* E-00118
16426-83-8 Niometacin, N-00152
16469-74-2 6-Chloro-17-hydroxypregn-4-ene-3,20-dione; 6α-*form*, *in* C-00248
16482-55-6 Dihydroxyaluminum carbonate, D-00306
16485-05-5 Oxadimedine, O-00075
16485-10-2 Panthenol; (±)-*form*, *in* P-00015
16495-07-1 2,3-Dimercapto-1-propanol; (*R*)-*form*, Benzyl ether, *in* D-00385
16495-08-2 2,3-Dimercapto-1-propanol; (*R*)-*form*, *in* D-00385
16495-15-1 2,3-Dimercapto-1-propanol; (*S*)-*form*, Benzyl ether, *in* D-00385
16495-16-2 2,3-Dimercapto-1-propanol; (*S*)-*form*, *in* D-00385
16498-21-8 Oxaflumazine, O-00077
16506-27-7 ▷Bendamustine, B-00044
16509-11-8 Otimerate sodium, *in* O-00070
16509-23-2 ▷Ethomoxane; (±)-*form*, *in* E-00158
16510-14-8 Quinercyl, *in* C-00284
16526-53-7 2-Methyladenosine; 2′,3′-*O*-Isopropylidene, *in* M-00219
16526-56-0 2-Methyladenosine, M-00219
16526-78-6 2,6*N*-Dimethyladenosine, *in* M-00219
16526-79-7 2,2,6*N*-Trimethyladenosine, *in* M-00219
16543-10-5 Diphenylphosphinylacetic acid hydrazide, D-00502
16543-77-4 Hayatidine, *in* C-00309
16545-11-2 ▷Guamecycline, G-00097
16549-56-7 Homprenophine, H-00087
16550-22-4 Cyprenorphine; B,HCl, *in* C-00646
16562-18-8 Paramethasone; 21-Phosphate, *in* P-00025
16562-98-4 Clantifen, *in* A-00337
16571-59-8 Benzindopyrine, B-00084
16571-86-1 ▷Propiram; (+)-*form*, *in* P-00505
16571-87-2 Propiram; (−)-*form*, B,HCl, *in* P-00505
16571-89-4 ▷Propiram; (−)-*form*, *in* P-00505
16571-90-7 Propiram; (+)-*form*, B,HCl, *in* P-00505
16589-24-5 Synephrine; (±)-*form*, Tartrate (2:1), *in* S-00286
16590-41-3 ▷Naltrexone, N-00034
16595-76-9 Dextramisole hydrochloride, *in* T-00151
16595-80-5 ▷Levamisole hydrochloride, *in* T-00151
16604-44-7 Medifoxamine; Picrate, *in* M-00056
16604-45-8 Gerdaxyl, *in* M-00056
16652-37-2 2-Amino-2-fluoropropanoic acid; (±)-*form*, *in* A-00258
16656-27-2 1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol, B-00225
16662-47-8 Gallopamil, G-00006
16676-26-9 Nalmexone, N-00031
16676-27-0 Nalmexone hydrochloride, *in* N-00031
16676-29-2 ▷Antaxone, *in* N-00034
16676-75-8 α-Tocopherol nicotinate, *in* T-00335
16679-58-6 Desmopressin, D-00097
16687-42-6 Thiocarbamic acid; NH_4 salt, *in* T-00196
16689-12-6 ▷Hexacaine, H-00037
16711-17-4 Thiazesim; (+)-*form*, B,HCl, *in* T-00181
16711-18-5 Thiazesim; (−)-*form*, *in* T-00181
16711-71-0 3,5-Diiodotyrosine; (*R*)-*form*, *in* D-00365
16711-91-4 Fusidic acid; 11-Ketone, *in* F-00303
16759-59-4 Benoxafos, B-00058
16768-69-7 1-Ethyl-1,2,3,4-tetrahydroquinoline, E-00223
16773-42-5 ▷Ornidazole, O-00058
16777-42-7 ▷Oxyfedrine hydrochloride, JAN, *in* O-00151
16779-72-9 Propinetidine; B,HCl, *in* P-00503
16781-39-8 Etasuline, E-00141
16803-75-1 Bromamphenicol, B-00284
16806-29-4 Sulfathiadiazole, S-00211
16808-86-9 Diprenorphine hydrochloride, *in* D-00520
16812-97-8 Cabucine, *in* A-00087
16822-88-1 Flutonidine; B,HCl, *in* F-00230
16830-15-2 ▷Asiaticoside, *in* T-00485
16830-24-3 2-Methyl-4-pyridinecarboxylic acid; Me ester, *in* M-00303
16846-24-5 ▷Leucomycin A_3, L-00033
16846-34-7 ▷Leucomycin A_1, L-00032
16851-00-6 7-(3-Carboxy-2-butenoxy)coumarin, *in* H-00114
16852-81-6 Benzoclidine, *in* Q-00035
16870-37-4 Amogastrin, A-00354
16891-79-5 4-Aminobenzenesulfonic acid; *N*-Me, amide, *in* A-00213
16891-80-8 α-Benzyl-5,6-dihydro-2*H*-pyran-3-methanol, B-00112
16898-31-0 Prednisolone; 21-(Piperidinoacetyl); B,HCl, *in* P-00412
16911-57-2 Thiobenzoic acid; *O*-Ph ester, *in* T-00193
16915-32-5 5-Isopropyl-3,8-dimethyl-1-azulenesulfonic acid, I-00205
16915-70-1 ▷Nifursol, N-00132
16915-71-2 ▷Cingestol, C-00367
16915-78-9 Bolenol, B-00249
16915-79-0 Mequidox, *in* H-00164
16915-80-3 Oxogestone phenpropionate, *in* O-00129
16925-51-2 Aurothioglycanide, A-00478
16931-22-9 Alanosine, A-00093
16960-16-0 ▷Tetracosactrin, T-00108
16978-57-7 Dexamethasone metasulphobenzoate, *in* D-00111
16985-03-8 Nonabine, N-00202
17012-47-4 8-Hydroxy-5-nitroquinoline; Me ether, *in* H-00182
17021-26-0 ▷17β-Hydroxy-7,17-dimethyl-4-androsten-3-one; 7β-*form*, *in* H-00123
17022-31-0 2-Propylpentanoic acid; Et ester, *in* P-00516
17034-35-4 Secretin, S-00034
17046-01-4 1-Hydroxy-2-heptanone, H-00135
17046-73-0 Prodine; (3*R*,4*S*)-*form*, B,HCl, *in* P-00460
17046-74-1 Alphaprodine hydrochloride, *in* P-00460
17051-28-4 2-Isopropoxyacetophenone, *in* H-00107
17057-62-4 4′-Depropyl-4′-pentyllincomycin, *in* L-00051
17059-16-4 Digitoxigenin; 3-*O*-(β-D-Glucoside), *in* D-00274
17072-92-3 5-Butyl-2-pyridinecarboxylic acid; Me ester, *in* B-00432

17081-97-9 Fumaric acid; Mono-Me ester monochloride, *in* F-00274
17086-76-9 ▷Cyasterone, C-00584
17088-72-1 ▷Penoctonium bromide, *in* P-00073
17090-79-8 ▷Monensin; Monensin *A*, *in* M-00428
17097-76-6 ▷Calcium homopantothenate, *in* H-00088
17108-99-5 Meletimide; (±)-*form*, B,HCl, *in* M-00079
17127-48-9 Glaziovine; (±)-*form*, *in* G-00029
17127-81-0 Iomethin, I-00122
17132-43-3 Cephaeline; (±)-*form*, 1′-Epimer, *in* C-00172
17140-01-1 Prednisolone; 21-(Diethylaminoacetyl); B,HCl, *in* P-00412
17140-33-9 2-Acetoxytricarballylic acid, *in* C-00402
17140-54-4 Bismutoral, *in* G-00064
17140-68-0 ▷Millophylline, *in* E-00137
17140-70-4 Etafedrine; (1*RS*,2*SR*)-*form*, *in* E-00133
17146-93-9 Probutylin, *in* P-00447
17146-95-1 ▷Pentazocine lactate, *in* P-00093
17162-29-7 2-Hydroxypropanoic acid; (±)-*form*, (−)-Menthyl ester, *in* H-00207
17162-32-2 ▷Daxid, *in* X-00004
17182-43-3 2,2,2-Tribromoethyl chloroformate, *in* T-00428
17196-88-2 2,2-Dichlorovinyl methyl octyl phosphate, D-00205
17199-54-1 Methadol; (3*R*,6*R*)-*form*, *in* M-00162
17199-55-2 ▷Methadol; (3*S*,6*R*)-*form*, *in* M-00162
17199-58-5 Alphaacetylmethadol, *in* M-00162
17199-59-6 Betaacetylmethadol, *in* M-00162
17206-74-5 β-Melanotropin; Bovine, *in* M-00075
17226-75-4 ▷Khellinin, *in* K-00023
17230-85-2 Amquinate, *in* D-00238
17230-86-3 Carbenicillin potassium, *in* C-00045
17230-87-4 ▷Seperidol hydrochloride, *in* C-00460
17230-88-5 ▷Danazol, D-00010
17230-89-6 Nimazone, N-00145
17241-45-1 2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone; Me ether, *in* H-00157
17243-13-9 2-Hydroxy-5-sulfobenzoic acid; Sulfonyl chloride, *in* H-00214
17243-33-3 4-Hydroxy-3-(1-hydroxypentyl)benzoic acid, H-00139
17243-38-8 Azidocillin, A-00520
17243-39-9 ▷Benzoctamine, B-00090
17243-49-1 Diclometide, D-00213
17243-51-5 Fenclexonium(1+); Bromide, *in* F-00041
17243-56-0 Visnafylline, *in* M-00202
17243-57-1 ▷*N*-(3-Chloropropyl)-α-methylphenethylamine, C-00280
17243-64-0 ▷Piprozolin, P-00310
17243-65-1 Pirralkonium bromide, *in* P-00357
17243-68-4 Taloximine, T-00016
17243-70-8 Triclofylline, T-00451
17245-16-8 Precriwelline, *in* P-00425
17255-98-0 4-(1-Methyl-1-propenyl)phenol, M-00298
17259-75-5 Oxdralazine, O-00100
17273-30-2 Gossypol; (+)-*form*, Hexa-Me ether, *in* G-00082
17279-39-9 ▷Dimetamfetamine, *in* P-00202
17280-60-3 4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione, D-00441
17284-75-2 Hydroxamethocaine; B,HCl, *in* H-00104
17289-49-5 Tetrydamine, *in* T-00119
17297-82-4 ▷Pervetral, *in* O-00156
17308-02-0 Hydroxyprogesterone acetate, *in* H-00202
17316-67-5 [1-(Butylamino)-1-methylethyl]phosphinic acid, B-00427
17321-77-6 ▷Clomipramine hydrochloride, JAN, *in* C-00472
17322-84-8 Pretazettine, P-00425
17332-61-5 Isoprednidene, I-00197
17341-99-0 Spasmocalm, *in* B-00111
17368-73-9 Chloroacetamide; Ac, *in* C-00212
17392-83-5 2-Hydroxypropanoic acid; (*R*)-*form*, Me ester, *in* H-00207
17406-46-1 β_1-Tomatine, *in* T-00374
17411-19-7 Dicarbine, D-00175
17413-51-3 Nicofibrate; B,HCl, *in* N-00097
17435-91-5 1,1-Diphenyl-3-piperidino-1-butanol; (±)-*form*, *in* D-00507
17442-37-4 Bromocyclen; (±)-*endo*-*form*, *in* B-00295
17471-82-8 ▷Guabenxan; 2B,H_2SO_4, *in* G-00088
17479-19-5 Dihydroergocristine, *in* E-00102
17485-38-0 Diazephonate, *in* C-00200
17506-66-0 Integrin, *in* O-00157
17560-51-9 ▷Metolazone, M-00330
17575-58-5 Glutethimide; (*R*)-*form*, *in* G-00061
17575-59-6 Glutethimide; (*S*)-*form*, *in* G-00061
17590-01-1 ▷Amfetaminil, A-00183
17605-71-9 ▷2-Dimethylamino-1-phenyl-1-propanol, D-00418
17605-73-1 Colterol mesylate, *in* C-00537
17617-04-8 3-Amino-2-mercaptopropanoic acid, A-00278
17617-23-1 ▷Flurazepam, F-00217
17617-45-7 ▷Picrotoxinin, P-00243
17650-86-1 ▷Amicetin, A-00187
17650-98-5 Caerulein, C-00005
17671-49-7 *N*,*N*,*N*′-Tris(2-hydroxyethyl)-*N*′-octadecyl-1,3-propanediamine, T-00537
17692-15-8 Furazolium tartrate, *in* F-00285
17692-20-5 3-Cyclohexyl-3-hydroxybutanoic acid, C-00610
17692-22-7 Metyzoline, M-00347
17692-23-8 Bentipimine, B-00068
17692-24-9 Bisoxatin, B-00234
17692-26-1 Ciclofenazine, C-00329
17692-28-3 Clonazoline, C-00476
17692-30-7 Diniprofylline, D-00466
17692-31-8 Dropropizine, D-00610
17692-34-1 ▷Etodroxizine, E-00246
17692-35-2 Etofuradine, E-00252
17692-37-4 Fanthridone, F-00018
17692-38-5 Fluprofen, F-00209
17692-39-6 ▷Fomocaine, F-00241
17692-43-2 Picodralazine, P-00238
17692-45-4 Quatacaine, Q-00003
17692-51-2 ▷Metergoline, M-00159
17692-54-5 ▷Mitoclomine, M-00399
17692-56-7 Moxicoumone, M-00464
17692-62-5 Pentacosactride, P-00075
17692-63-6 ▷Oxitefonium bromide, *in* O-00121
17692-71-6 Vanitiolide, V-00009
17693-51-5 Promethazine theoclate, *in* P-00478
17716-89-1 Pranosal, P-00401
17737-65-4 ▷Clonixin, C-00479
17737-68-7 2-[(2,3-Dichlorophenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
17742-68-6 2,6-Dichloro-4-nitroaniline; *N*-Ac, *in* D-00196
17747-43-2 3-Acetoxypyridine, *in* H-00209
17750-75-3 β-Melanotropin; Monkey, *in* M-00075
17766-02-8 Δ^9-Tetrahydrocannabinol; (6*aS*,10*aS*)-*form*, *in* T-00115
17777-78-5 Pranosal; B,HCl, *in* P-00401
17780-72-2 Clorgyline, C-00496
17780-75-5 ▷M & B 9302, *in* C-00496
17781-20-3 Clofaminol, *in* H-00029
17784-12-2 Sulfacytine, S-00191
17785-52-3 α,α′-Diamino-5,5′,6,6′-tetrahydroxy-3,3′-biphenyldipropanoic acid, *in* A-00248
17812-50-9 Oxitropium(1+); Iodide, *in* O-00123
17824-89-4 Espasmo-Gemora, *in* B-00396
17854-59-0 ▷Mepixanox, M-00102
17879-97-9 Iopanoic acid; (*R*)-*form*, *in* I-00125
17885-08-4 Phosphoserine; (±)-*form*, *in* P-00220
17892-25-0 3,5-Dibromo-2-hydroxybenzoic acid; Amide, *in* D-00165
17902-23-7 ▷Tegafur, T-00055
17908-57-5 β-Melanotropin; Human, *in* M-00075
17918-67-1 4-Hydroxy-4-methyl-2-pentanone; Oxime, *in* H-00171
17929-04-3 ▷BS 7723, *in* T-00555
17969-20-9 ▷Fenclozic acid, F-00043
17969-36-7 Fenclozic acid; Amide, *in* F-00043
17969-45-8 Brofezil, B-00279
17969-70-9 Brofezil; (±)-*form*, Na salt, *in* B-00279
17996-38-2 *O*-Ethyl dimethylcarbamothioate, *in* T-00196

18016-24-5 Calcium gluconate, *in* G-00055
18016-80-3 Lysuride, L-00124
18046-21-4 ▷Fentiazac, F-00079
18053-31-1 Fominoben, F-00240
18059-10-4 Verticinone, *in* V-00024
18059-99-9 ▷Demexiptiline; B,HCl, *in* D-00067
18075-32-6 Hexacaine; Picrate, *in* H-00037
18109-80-3 Butamyrate, B-00389
18109-81-4 ▷Butamirate citrate, *in* B-00389
18118-80-4 Oxisopred, O-00119
18174-58-8 ▷Pipoxolan hydrochloride, *in* P-00304
18181-70-9 ▷Iodofenphos, I-00104
18193-10-7 5,7-Dichloro-8-hydroxyquinoline; *O*-Benzoyl, *in* D-00190
18272-48-5 Ro 2-9009, *in* B-00205
18296-44-1 ▷Valtrate, V-00006
18296-45-2 Dihydrovaltrate, D-00305
18305-29-8 ▷Degadil, *in* F-00073
18314-34-6 Methacholine(1+); (*R*)-*form*, *in* M-00160
18323-43-8 Clindamycin *B*, *in* C-00428
18323-44-9 ▷Clindamycin, C-00428
18326-18-6 1,3-Dioxoferruginyl methyl ether, *in* F-00095
18330-40-0 2,3-Dihydroxy-1-octadecyloxypropane; (*S*)-*form*, Di-Ac, *in* D-00337
18332-55-3 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (±)-*form*, B,HCl, *in* M-00312
18356-28-0 Dihydro-1*H*-pyrrolizine-3,5(2*H*,6*H*)-dione, D-00302
18361-45-0 Leucomycin A_5, L-00034
18361-46-1 ▷Leucomycin A_4, *in* L-00034
18377-94-1 3,5-Diamino-1*H*-1,2,4-triazole; 3,3,5,5-Tetra-*N*-Me, *in* D-00137
18378-89-7 ▷Mithramycin, M-00397
18398-73-7 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Me ester, *in* O-00125
18403-49-1 3-Ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)-propenyl]benzothiazolium(1+), E-00187
18422-17-8 2-Amino-2-deoxyglucose; D-*form*, Di-Et dithioacetal, 5,6-*O*-isopropylidene, *in* A-00235
18422-73-6 Xylose; α-D-*Furanose-form*, 1,2:3,5-Di-*O*-benzylidene (second isomer), *in* X-00024
18422-74-7 1,2:3,5-Di-*O*-benzylidene-α-D-xylofuranose, *in* X-00024
18429-69-1 Memotine, M-00085
18429-78-2 Famotine, F-00014
18455-43-1 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (±)-*form*, *in* M-00312
18464-39-6 ▷Caroxazone, C-00091
18465-25-3 Hydroxyzine trimethoxybenzoate, *in* H-00222
18467-77-1 2,3:4,6-Di-*O*-isopropylidene-β-L-*xylo*-2-hexulosonic acid, *in* H-00070
18467-82-8 2-Amino-2-deoxyglucose; D-*form*, Di-Et dithioacetal, *in* A-00235
18470-94-5 Nandrolone cyclohexane carboxylate, *in* H-00185
18471-20-0 Ditazole, D-00545
18472-51-0 ▷Chlorhexidine gluconate, *in* C-00206
18481-23-7 Beston, *in* T-00174
18493-30-6 1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, *in* D-00346
18507-89-6 Decoquinate, D-00041
18556-44-0 ▷Vinrosidine sulfate, *in* L-00036
18559-59-6 ▷Trimetaquinol hydrochloride, JAN, *in* T-00418
18559-94-9 ▷Salbutamol, S-00012
18588-57-3 ▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, D-00123
18598-63-5 ▷Acdrile, *in* C-00654
18603-51-5 Etorphine; B,HCl, *in* E-00263
18607-98-2 Acetylsulfamethoxazole, *in* S-00244
18624-52-7 2-Aminobenzoic acid; *N*-Di-Et, *in* A-00215
18625-33-7 Testosterone enanthate benziloylhydrazone, *in* H-00111
18636-18-5 Cordan, *in* F-00044
18656-21-8 ▷Iodamide meglumine, *in* I-00095
18679-90-8 ▷Hopantenic acid, H-00088
18683-91-5 ▷Ambroxol, A-00170
18694-10-5 Palaudine, *in* P-00019
18694-40-1 ▷Epirizole, E-00083
18696-26-9 Sinapine, S-00076
18712-20-4 Saccharin; *N*-Et, *in* S-00002
18717-93-6 α,α-Diphenyl-2-piperidinemethanol; (±)-*form*, *in* D-00504
18719-76-1 Keracyanin; Chloride, *in* K-00009
18725-37-6 Diacetylcysteine, *in* A-00031
18747-70-1 Galanthamine; (±)-*form*, Dihydro, *in* G-00002
18752-03-9 α,α-Diphenyl-2-piperidinemethanol; (*S*)-*form*, *in* D-00504
18760-80-0 ▷2-Dimethylamino-1-phenyl-1-propanol; (1*RS*,2*SR*)-*form*, B,HCl, *in* D-00418
18777-86-1 5-Stigmasten-3-ol; (3β,24*S*)-*form*, β-D-Glucopyranoside, *in* S-00151
18787-40-1 ▷Nioben, *in* P-00299
18802-17-0 Actinobolin; 2B,H_2SO_4, *in* A-00053
18833-13-1 Acefylline piperazine, *in* A-00011
18839-90-2 4-[1-Ethyl-2-(4-methoxyphenyl)-1-butenyl]phenol, *in* D-00257
18840-47-6 3-(2-Aminopropyl)phenol; (*S*)-*form*, *in* A-00321
18841-58-2 Pipoctanone, P-00299
18857-59-5 ▷Nifurmazole, N-00124
18866-78-9 Colterol; (±)-*form*, *in* C-00537
18868-46-7 2,2,2-Trichloroethyl phosphorodichloridate, *in* T-00450
18869-73-3 ▷Triacetyldiphenolisatin, *in* O-00160
18883-66-4 ▷Streptozotocin, S-00164
18894-18-3 3,14-Dihydroxy-4,20,22-bufatrienolide; (3β,14β)-*form*, 3-(Di-L-rhamnoside), *in* D-00319
18910-65-1 Salmefamol, S-00018
18921-66-9 Quinespar; (*S*)-*form*, *in* Q-00020
18921-69-2 Methasquin; (*S*)-*form*, Di-Na salt, *in* M-00174
18921-70-5 Methasquin; (*S*)-*form*, *in* M-00174
18933-33-0 3-Cyano-2-hydroxy-*N*,*N*,*N*-trimethylpropanaminium, *in* C-00084
18940-57-3 ▷Piperazine; *N*,*N'*-Di-Ac, *in* P-00285
18966-32-0 ▷Clocanfamide, C-00440
19014-05-2 Halimide, *in* D-00566
19022-67-4 N-Demethylstreptomycin, *in* S-00161
19026-31-4 Taxodione, T-00035
19028-28-5 Toliodium chloride, *in* B-00230
19030-42-3 Fusidic acid; 3-Epimer, *in* F-00303
19036-73-8 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (*S*)-*form*, *in* M-00312
19038-27-8 Sarracine N-oxide, *in* S-00025
19039-02-2 Taxodone; (+)-*form*, *in* T-00036
19042-34-3 3-Aminocyclopentanecarboxylic acid; (1*RS*,3*SR*)-*form*, *in* A-00231
19045-66-0 Thiocarbamic acid, T-00196
19056-26-9 Quindecamine, Q-00017
19057-60-4 Dioscin, *in* S-00129
19083-00-2 Gracillin, *in* S-00129
19089-24-8 ▷Pyromecaine, *in* B-00354
19098-48-7 4-Aminobenzaldehyde; Phenylhydrazone, *in* A-00210
19130-96-2 3,4,5-Trihydroxy-2-piperidinemethanol; (2*R*,3*R*,4*R*,5*S*)-*form*, *in* T-00481
19179-78-3 Xipranolol, X-00018
19179-88-5 BS 7977-*D*, *in* X-00018
19196-54-4 2-Nortetrandrine, *in* T-00152
19209-60-0 5*H*-Dibenz[*b*,*f*]azepine; 5-*N*-Ac, *in* D-00155
19216-56-9 ▷Prazosin, P-00409
19237-84-4 ▷Prazosin hydrochloride, *in* P-00409
19281-29-9 Aptocaine, A-00434
19281-32-4 Pirothesin, *in* A-00434
19291-02-2 4-Thiazolidinecarboxylic acid; (±)-*form*, *in* T-00183
19291-69-1 Gestaclone, G-00020
19297-28-0 3-Aminocyclopentanecarboxylic acid; (1*RS*,3*RS*)-*form*, *in* A-00231
19356-17-3 25-Hydroxyvitamin D_3, H-00221
19361-51-4 Gastrins; Gastrin *H*II, *in* G-00012
19368-18-4 ▷Ftaxilide, F-00268
19376-45-5 Ethylenediaminetetraacetic acid; Tetra-Me ester, *in* E-00186
19379-90-9 Benzoxonium chloride, *in* B-00117
19387-91-8 ▷Tinidazole, T-00293
19388-87-5 Taurolidine, T-00032

19395-58-5 ▷Moquizone, M-00436
19395-78-9 ▷Peristil, *in* M-00436
19410-02-7 ▷Tropirine, T-00555
19428-14-9 Pirexyl, *in* B-00061
19457-00-2 ▷Ancobon (old form), *in* D-00230
19467-62-0 Dihydroergocryptine; [5′α(*S*)]-*form*, *in* D-00285
19477-24-8 ▷Carcinolipin, *in* C-00306
19485-08-6 ▷Cyproquinate, C-00650
19486-61-4 Lauralkonium chloride, *in* L-00014
19488-19-8 Cycotiamine; B,HCl, *in* C-00640
19504-77-9 ▷Variotin, V-00012
19509-13-8 Pinolcaine, P-00271
19545-18-7 Enprazepine; Maleate (1:1), *in* E-00065
19545-26-7 Wortmannin, W-00003
19559-24-1 ▷4-[2,3-Diisocyano-4-(4-methoxyphenyl)-1,3-butadienyl]phenol, *in* X-00005
19561-70-7 ▷Nifuratrone, N-00119
19562-30-2 ▷Piromidic acid, P-00349
19573-01-4 Byakangelicin, B-00435
19604-05-8 Fosfocreatinine sodium, *in* F-00255
19641-53-3 1-Phenyl-1-pentanol; (*R*)-*form*, *in* P-00194
19645-77-3 5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione, C-00283
19659-38-2 Phenestrol, *in* B-00220
19685-09-7 ▷10-Hydroxycamptothecin, *in* C-00024
19685-10-0 10-Methoxycamptothecin, *in* C-00024
19694-60-1 Guanoxan; (−)-*form*, B,H_2SO_4, *in* G-00115
19694-61-2 Guanoxan; (+)-*form*, B,H_2SO_4, *in* G-00115
19704-83-7 Linocalcium, *in* O-00007
19705-61-4 Cicortonide, C-00338
19728-88-2 ▷Metitepine; (±)-*form*, Maleate (1:1), *in* M-00324
19730-80-4 Bicuculline; (−)-*form*, *in* B-00156
19746-57-7 8-Hydroxy-5-nitroquinoline; Et ether, *in* H-00182
19767-45-4 ▷Mesna, *in* M-00116
19774-82-4 Atlansil, *in* A-00342
19775-49-6 Dimethoxyeburnamonine, *in* E-00003
19775-56-5 Ajmaline; Di-Ac, *in* A-00088
19793-20-5 4-Oestrene-3,17-diol, O-00029
19794-93-5 ▷Trazodone, T-00405
19796-54-4 2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]pyrimidine; Phosphate, *in* T-00421
19804-05-8 Thiocarbamic acid; *N*-Ph, *in* T-00196
19804-27-4 *p*-Methyldiphenhydramine, M-00247
19824-89-6 Cloxypendyl; B,2HCl, *in* C-00520
19825-63-9 Pirnabin, P-00343
19847-12-2 Pyrazinecarbonitrile, *in* P-00560
19863-06-0 3-(Acetylamino-5-[(hydroxyacetyl)amino]-2,4,6-triiodobenzoic acid, *in* D-00138
19864-71-2 ▷Imipramine; *N*-Oxide; B,HCl, *in* I-00040
19875-60-6 ▷Cuvalit, *in* L-00124
19877-89-5 Vincanol, V-00034
19879-06-2 ▷Granaticin *A*, G-00085
19881-18-6 Nitroscanate, N-00186
19883-41-1 2-Amino-2-phenylacetic acid; (*R*)-*form*, Me ester; B,HCl, *in* A-00300
19885-51-9 ▷Aranotin, A-00436
19888-56-3 ▷Fluazacort, F-00131
19889-45-3 Guabenxan, G-00088
19918-92-4 Ajmaline; O^{17}-Ac, *in* A-00088
19928-97-3 Tetraethyl dichloromethylenebisphosphonate, *in* D-00194
19941-13-0 β-Melanotropin; Porcine, *in* M-00075
19973-76-3 Oestrone; (±)-*form*, *in* O-00031
19982-08-2 3,5-Dimethyl-1-adamantanamine, D-00402
19992-80-4 Butixirate, *in* B-00179
19999-67-8 1,2,3,4-Tetrahydro-1-methylquinoline; B,HCl, *in* T-00127
20004-62-0 ▷Resistomycin, R-00030
20047-75-0 Clogestone, C-00463
20049-41-6 Elanzepine; Maleate, *in* E-00022
20049-87-0 1-Phenylsemicarbazide; 4-Et, *in* P-00207
20069-03-8 Nitrarine, N-00168
20069-09-4 Piplartine, P-00298
20071-50-5 Eupachlorin, E-00270
20071-51-6 Eupatoroxin, E-00274
20071-52-7 Eupachloroxin, E-00271
20071-53-8 Eupatundin, E-00275
20072-25-7 Isoleurosine, *in* L-00036
20081-71-4 1,6-Dihydroxyxanthone; 6-Me ether, *in* D-00357
20085-26-1 Dixypazin, *in* D-00557
20085-29-4 Diniprofylline; B,2HCl, *in* D-00466
20085-30-7 Diniprofylline; Oxalate, *in* D-00466
20123-80-2 ▷Calcium dobesilate, *in* D-00313
20129-61-7 Tetrahydroxy-1,4-benzoquinone; Tetra-Ac, *in* T-00137
20153-27-9 M&B 744, *in* S-00153
20153-98-4 ▷Comelian, *in* D-00370
20166-17-0 Beclotiamine(1+), B-00025
20166-32-9 Tricosactide; Acetate, *in* T-00453
20168-80-3 3-(Diethylcarbamoyl)-1-methylpyridinium(1+), D-00241
20168-99-4 ▷Cinmetacin, C-00369
20170-20-1 ▷Difenamizole, D-00262
20181-53-7 Anguidol; 4,15-Di-Ac, 8α-(3-methylbutyryloxy), *in* A-00386
20182-99-4 Mercaptobutanedioic acid; (*R*)-*form*, *in* M-00115
20187-55-7 ▷Bindazac, B-00167
20224-43-5 Thiopental; (*S*)-*form*, *in* T-00206
20226-08-8 Levophenacylmorphan; B,HCl, *in* L-00039
20226-08-8 3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline; B,HCl, *in* M-00267
20228-27-7 ▷Ruvazone, R-00107
20229-30-5 ▷Metitepine, M-00324
20269-19-6 Cleofil, *in* D-00499
20282-58-0 Tricosactide, T-00453
20287-37-0 Fenquizone, F-00075
20287-70-1 Fenclozate, *in* F-00043
20300-26-9 ▷Gossypol; (+)-*form*, *in* G-00082
20304-47-6 ▷Calactin, *in* G-00079
20304-48-7 Uscharidin, *in* G-00079
20304-49-8 ▷Caloxtoxin, *in* G-00079
20305-51-5 Hexestrol dicaprylate, *in* B-00220
20326-12-9 Mepiprazole, M-00099
20326-13-0 Tolpiprazole, T-00365
20344-15-4 Psigodal, *in* M-00099
20348-58-7 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*RS*,12*RS*,13*E*,15*SR*)-*form*, *in* D-00341
20348-60-1 9,11,15-Trihydroxyprost-13-enoic acid; (8*RS*,9*RS*,11*RS*,13*E*,15*SR*)-*form*, *in* T-00484
20348-68-9 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*SR*,12*RS*,13*E*,15*SR*)-*form*, *in* D-00341
20348-69-0 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*SR*,12*RS*,13*E*,15*RS*)-*form*, *in* D-00341
20361-76-6 Neoplatyphylline, *in* P-00372
20380-58-9 Tilidate; (1*RS*,2*RS*)-*form*, *in* T-00273
20389-12-2 2-Phenyl-4-quinolinecarboxylic acid; 1-Oxide, *in* P-00206
20406-60-4 Mipimazole, M-00392
20421-13-0 Crotepoxide, C-00568
20421-29-8 Dihydrolatumcidin, *in* A-00002
20423-87-4 Lisidonil, *in* M-00073
20423-99-8 11,17-Dihydroxy-1,4-pregnadiene-3,20-dione; (11β,17α)-*form*, *in* D-00348
20424-00-4 Deprodone propionate, *in* D-00348
20427-93-4 Tetraethyl (1-hydroxyethylidene)bisphosphonate, *in* H-00132
20432-64-8 ▷Galatur, *in* I-00157
20448-86-6 ▷Bornaprine, B-00255
20462-53-7 Deditonium(2+), D-00043
20480-93-7 Hexal, *in* H-00057
20485-01-2 Acetylaranotin, *in* A-00436
20485-41-0 ▷4-Methyl-5-thiazolecarboxylic acid, M-00310
20486-23-1 Cytidine 2′,3′-phosphate; K salt, *in* C-00656
20493-34-9 Diniprofylline; B,2MeI, *in* D-00466
20493-41-8 4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+), A-00207
20501-52-4 Eupachlorin acetate, *in* E-00270
20513-25-1 5,5-Dimethyl-2,4-imidazolidinedithione, D-00431
20537-22-8 *N*-[1-Phenyl-3-(1-piperidinyl)propyl]benzamide, P-00198

20537-88-6 ▷Ethiofos, E-00155
20541-83-7 ▷Hydroxyzine; (±)-*form*, 3,4,5-Trimethoxybenzoyl; B,2HCl, *in* H-00222
20559-55-1 ▷Oxibendazole, O-00109
20566-69-2 Dimidium(1+), D-00460
20574-50-9 ▷Morantel, M-00438
20582-55-2 4-Methyl-5-thiazolecarboxylic acid; Et ester, *in* M-00310
20585-34-6 2-Cyclohexyl-2-hydroxy-2-phenylacetic acid; (*S*)-*form*, *in* C-00614
20585-39-1 2-Cyclohexyl-2-hydroxy-2-phenylacetic acid; (*R*)-*form*, *in* C-00614
20594-83-6 Nalbuphine, N-00028
20605-40-7 Thiobenzoic acid; Hydrazide, *in* T-00193
20633-93-6 Fortunellin, *in* D-00329
20676-17-9 Phenethicillin; D-*form*, K salt, *in* P-00152
20684-06-4 Bamifylline hydrochloride, *in* B-00011
20685-78-3 ▷Pyrrocycline *N*, *in* R-00078
20690-10-2 12-Oleanene-3,16,21,22,24,28-hexol; (3β,16α,21β,22α)-*form*, 21-Tiglyl, 22-Ac, *in* O-00036
20703-59-7 Gastrins; Gastrin *C*II, *in* G-00012
20704-65-8 4-(Aminomethyl)cyclohexanecarboxylic acid; *cis*-*form*, *N*-Ac, *in* A-00281
20704-66-9 4-(Aminomethyl)cyclohexanecarboxylic acid; *trans*-*form*, *N*-Ac, *in* A-00281
20746-37-6 Mannitol; D-*form*, Hexa-Me, *in* M-00018
20747-49-3 2-Isopropyl-5-methylcyclohexanol; (1*S*,3*R*,4*R*)-*form*, *in* I-00208
20752-33-4 2-Isopropyl-5-methylcyclohexanol; (1*S*,3*R*,4*S*)-*form*, *in* I-00208
20752-34-5 2-Isopropyl-5-methylcyclohexanol; (1*R*,3*R*,4*R*)-*form*, *in* I-00208
20756-70-1 Methallenoestril; (−)-*form*, *in* M-00164
20776-45-8 5-Hydroxytryptamine; Benzyl ether, *in* H-00218
20788-07-2 *N*-(4-Bromophenyl)-2,6-dihydroxybenzamide, *in* D-00317
20789-47-3 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; β-D-*form*, 2-Me, *in* E-00224
20789-50-8 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; α-D-*form*, 2-Allyl, *in* E-00224
20789-51-9 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; β-D-*form*, 2-Allyl, *in* E-00224
20799-24-0 Norethisterone acetate oxime, *in* N-00212
20822-88-2 Mebenoside; α-D-*form*, *in* M-00032
20822-89-3 Mebenoside; β-D-*form*, *in* M-00032
20822-90-6 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; α-D-*form*, *in* E-00224
20822-91-7 Ethyl 3,5,6-tri-*O*-benzylglucofuranoside; β-D-*form*, *in* E-00224
20828-96-0 Acepromazine; Oxime, *in* A-00015
20830-75-5 ▷Digoxin, D-00275
20830-81-3 ▷Daunomycin, D-00019
20865-07-0 12-Oleanene-3,16,21,22,24,28-hexol; (3β,16α,21β,22α)-*form*, *in* O-00036
20869-36-7 Glucitol; D-*form*, 1,2,4,6-Tetrabenzoyl, *in* G-00054
20869-38-9 1,2,3,4,5,6-Hexa-*O*-benzoyl-D-glucitol, *in* G-00054
20874-24-2 Phenadoxone; (*S*)-*form*, B,HCl, *in* P-00138
20880-92-6 Topiramate, T-00382
20897-96-5 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*RS*,12*RS*,13*E*,15*RS*)-*form*, *in* D-00341
20963-95-5 Glucitol; D-*form*, 1,2,5,6-Tetrabenzoyl, *in* G-00054
20965-69-9 10*H*-Phenothiazine-2-acetic acid, P-00168
20977-50-8 ▷Carperone, C-00093
20987-31-9 3-Hydroxy-14,15-epoxy-20,22-bufadienolide; (3β,5β,14β,15β)-*form*, 3-(Hydrogen suberoyl), *in* H-00128
21003-46-3 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*S*,11*R*,12*R*,13*E*,15*S*)-*form*, *in* D-00341
21045-47-6 Thiopental; (*R*)-*form*, *in* T-00206
21066-33-1 Riboflavine; Tetra-Ac, 3*N*-Me, *in* R-00038
21070-50-8 Fenclexonium(1+); Chloride, *in* F-00041
21129-53-3 Indocate; B,HCl, *in* I-00061
21132-59-2 Pazoxide, P-00047
21168-33-2 5,7-Dichloro-8-hydroxyquinoline; 1-Oxide, *in* D-00190
21168-34-3 5-Chloro-8-hydroxyquinoline; 1-Oxide, *in* C-00249
21187-98-4 ▷Gliclazide, G-00037
21189-96-8 5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *N*-Ac, *in* A-00275
21190-00-1 5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *N*-benzoyl, *in* A-00275
21190-16-9 5-Amino-1*H*-imidazole-4-carboxylic acid; Et ester, *in* A-00275
21196-51-0 Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid; (1α,2α,3α,4α)-*form*, *in* B-00157
21206-60-0 Cocaine; (±)-*form*, *in* C-00523
21208-26-4 Dimepregnen, D-00381
21215-62-3 Calcitonin; Human, *in* C-00013
21221-18-1 Flazalone, F-00113
21228-13-7 Dorastine, D-00583
21228-28-4 Dorastine hydrochloride, *in* D-00583
21245-02-3 Padimate O, *in* D-00405
21256-18-8 ▷4,5-Diphenyl-2-oxazolepropanoic acid, D-00500
21259-76-7 ▷Mercaptomerin sodium, *in* M-00118
21286-60-2 Metazocine; (1*R*,5*R*,9*R*)-*form*, *in* M-00155
21293-38-9 Methacholine(1+); (±)-*form*, *in* M-00160
21325-07-5 Thiocarbamic acid; *S*-Me ester, *in* T-00196
21326-01-2 Ungeremine; B,HNO_3, *in* U-00009
21362-69-6 ▷Mepitiostane, M-00100
21363-18-8 ▷Viminol, V-00030
21365-49-1 Tralonide, T-00394
21404-79-5 Butamoxane; (±)-*form*, B,HCl, *in* B-00388
21406-25-7 *O*-Ethyl acetylcarbamothioate, *in* T-00196
21411-53-0 Ostreogrycin *A*, O-00068
21416-53-5 ▷Picrotin, P-00241
21416-67-1 ▷Razoxane, R-00016
21416-87-5 ▷Razoxane; (±)-*form*, *in* R-00016
21420-58-6 Baeocystine, *in* D-00411
21434-91-3 Capobenic acid, C-00030
21440-97-1 ▷Brofoxine, B-00280
21462-39-5 ▷Clindamycin hydrochloride, *in* C-00428
21466-07-9 Bromofenofos, *in* T-00103
21489-20-3 Talsupram, T-00017
21489-22-5 Prindamine, P-00438
21499-24-1 Agrimonolide; (*S*)-*form*, *in* A-00084
21500-98-1 ▷1-[1-(2-Thienyl)cyclohexyl]piperidine, T-00187
21512-15-2 Citenazone, *in* F-00248
21512-16-3 5-Formyl-2-thiophenecarbonitrile, F-00248
21535-47-7 ▷Mianserin hydrochloride, *in* M-00360
21550-30-1 ▷Bratenol, *in* P-00328
21560-58-7 Piquizil, P-00312
21560-59-8 Hoquizil, H-00089
21590-91-0 Omidoline, O-00045
21590-92-1 ▷Etomidoline, E-00258
21593-23-7 ▷Cefapirin, C-00115
21615-34-9 2-Methoxybenzoic acid; Chloride, *in* M-00196
21618-46-2 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium, H-00217
21618-46-2 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (±)-*form*, Hydroxide, *in* H-00217
21626-89-1 ▷Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, P-00222
21632-19-9 1-Phenyl-1-pentanol; (±)-*form*, *in* P-00194
21638-36-8 ▷Nifurimide, N-00122
21649-57-0 ▷Carbenicillin phenyl sodium, *in* C-00074
21650-02-2 ▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane; *syn*-*form*, Citrate, *in* M-00203
21650-42-0 Tretoquinol; (±)-*form*, *in* T-00418
21661-63-2 Embramine teoclate, *in* E-00033
21662-79-3 Sulfacecole, S-00186
21679-14-1 Fludarabine, F-00142
21686-10-2 Flupranone, F-00205
21699-42-3 Flupranone; B,HCl, *in* F-00205
21702-79-4 3,5-Dibromo-2-hydroxybenzoic acid; Me ester, *in* D-00165
21702-93-2 Cloguanamil, C-00464
21715-46-8 ▷Etifoxine, E-00236
21720-38-7 Bensuldazic acid; Triethylamine salt (1:1), *in* B-00065

21721-92-6 2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, M-00274
21730-16-5 Metapramine, *in* A-00241
21736-83-4 ▷Spectinomycin hydrochloride, *in* S-00111
21737-58-6 5,11-Dihydro-10*H*-dibenz[*b*,*f*]azepin-10-one, D-00281
21738-42-1 ▷Oxamniquine, O-00084
21755-66-8 Picoperine, P-00239
21757-82-4 ▷Plifenate, *in* D-00204
21766-53-0 Iolidonic acid, I-00118
21791-39-9 Letimide hydrochloride, *in* L-00027
21794-55-8 ▷8-Acetyl-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* D-00019
21802-37-9 Caerulomycin, C-00006
21817-73-2 Bidimazium iodide, *in* B-00159
21820-82-6 ▷Fenpipalone, F-00069
21829-22-1 Clonixeril, *in* C-00479
21829-25-4 ▷Nifedipine, N-00110
21847-63-2 Bephenium embonate, *in* B-00132
21870-06-4 Pindolol; (±)-*form*, *in* P-00270
21888-98-2 Benzetimide; (*S*)-*form*, *in* B-00080
21888-99-3 ▷Benzetimide; (*R*)-*form*, *in* B-00080
21909-51-3 2-Methyl-3-indoleacetic acid; Hydrazide, *in* M-00263
21925-88-2 Tesicam, T-00098
21987-62-2 3,3′,5,5′-Tetrabromo[1,1′-biphenyl]-2,2′-diol, T-00103
21998-86-7 1-Methoxy-2-(methoxymethyl)benzene, *in* H-00116
22006-88-8 D-(−)-Liriodendritol, *in* I-00074
22012-72-2 Zilantel, Z-00014
22012-90-4 ▷Ethyl *N*-nitrosocarbamate, *in* E-00177
22013-23-6 Metoxepin, M-00338
22013-24-7 Metoxepin; Maleate, *in* M-00338
22041-22-1 4-Aminobutanoic acid; *N*-Di-Me, Me ester, *in* A-00221
22059-60-5 ▷Disopyramide phosphate, *in* D-00537
22071-15-4 ▷Ketoprofen, K-00017
22083-74-5 Nicotine; (±)-*form*, *in* N-00103
22083-92-7 Lincomycose, *in* L-00051
22089-22-1 ▷Trifosfamide, T-00469
22103-14-6 Bufeniode, B-00348
22119-10-4 Mercaptobutanedioic acid; (±)-*form*, *S*-Benzyl, *in* M-00115
22131-35-7 Butalamine, B-00385
22131-79-9 ▷Alclofenac, A-00103
22136-26-1 Amedalin, A-00179
22136-27-2 Daledalin, D-00006
22140-20-1 2-Methylthioadenosine 5′-(dihydrogen phosphate), M-00311
22144-76-9 ▷Cytochalasin *C*, C-00659
22144-77-0 ▷Cytochalasin *D*, C-00660
22150-28-3 Ipragratine, I-00153
22150-76-1 Biopterin; (1′*R*,2′*S*)-*form*, *in* B-00172
22154-43-4 ▷Meglumine acetrizoate, *in* A-00340
22164-94-9 Suncillin, S-00271
22178-11-6 Pipotiazine undecylenate, *in* P-00302
22189-31-7 Thiothixene; B,HCl, *in* T-00213
22195-34-2 Guanadrel sulfate, *in* G-00100
22196-75-4 2,2′-(1,2-Ethanediyldiimino)bis(1-butanol); (*RS*,*RS*)-*form*, B,2HCl, *in* E-00148
22199-08-2 ▷Silver sulfadiazine, *in* S-00237
22199-46-8 ▷Clomacran phosphate, *in* C-00465
22204-24-6 ▷Antiminth, *in* P-00558
22204-29-1 Febramine, *in* C-00186
22204-53-1 ▷Naproxen; (*S*)-*form*, *in* N-00048
22204-91-7 Lifibrate, L-00046
22232-54-8 ▷Carbimazole, C-00051
22232-57-1 α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine; (2*RS*,2′*RS*)-*form*, *in* M-00269
22232-64-0 Vesamicol, V-00025
22232-71-9 ▷Mazindol, M-00029
22232-73-1 Amedalin hydrochloride, *in* A-00179
22233-79-0 2-Hydroxyacetophenone; Me ether, oxime, *in* H-00107
22248-79-9 ▷Tetrachlorvinphos; (*Z*)-*form*, *in* T-00107
22255-13-6 Guiajaverin, *in* P-00082
22260-51-1 ▷Bromocriptine mesilate, JAN, *in* E-00103
22263-51-0 Nandrolone cyclotate, *in* H-00185
22266-25-7 Cyprodenate; Maleate, *in* C-00647
22266-99-5 5-Methoxy-2-methyl-1,4-naphthoquinone, *in* H-00167
22292-91-7 Naranol, N-00049
22293-47-6 Feprosidnine, F-00086
22298-29-9 Betamethasone benzoate, *in* B-00141
22304-34-3 Amadinone acetate, *in* A-00161
22316-47-8 ▷Clobazam, C-00433
22328-94-5 ▷Quinalbarbitone; (*R*)-*form*, *in* Q-00011
22336-84-1 Metergotamine, *in* E-00106
22345-47-7 ▷Tofisopam, T-00342
22350-49-8 Vitamin D_3; Ac, *in* V-00062
22350-76-1 Tetrachlorvinphos; (*E*)-*form*, *in* T-00107
22365-40-8 ▷Triflubazam, T-00460
22368-21-4 5,7-Dihydroxy-3′,4′,6-trimethoxyflavone, D-00355
22373-78-0 ▷Monensin; Monensin *A*, Na salt, *in* M-00428
22393-62-0 ▷Broparestrol; (*E*)-*form*, *in* B-00326
22393-63-1 ▷Broparestrol; (*Z*)-*form*, *in* B-00326
22407-73-4 Bisobrin; (1*RS*,1′*SR*)-*form*, B,HCl, *in* B-00232
22407-74-5 Bisobrin; (1*RS*,1′*SR*)-*form*, *in* B-00232
22414-77-3 2-Ethyl-3-methylpentanoic acid, E-00204
22432-95-7 2′-Deoxy-5-azacytidine; α-*form*, *in* D-00077
22457-89-2 ▷Benfotiamine, B-00052
22487-42-9 Benapryzine, B-00037
22494-27-5 Flufenisal, *in* F-00185
22494-42-4 ▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272
22494-47-9 Clobuzarit, C-00439
22494-76-4 α-Methylallantoin, *in* A-00123
22494-77-5 β-Methylallantoin, *in* A-00123
22510-33-4 4′-Fluoro-4-hydroxy-3-biphenylcarboxylic acid, F-00185
22514-23-4 ▷Fopirtoline, F-00242
22521-79-5 *N*-(4-Ethoxyphenyl)-2-hydroxyacetamide, *in* E-00161
22526-53-0 1,9-Heptadecadiene-4,6-diyne-3,8-diol; (3*R*,8*S*,9*Z*)-*form*, 3-Ac, *in* H-00028
22540-11-0 Theophylline heptaminol, *in* T-00169
22560-50-5 Sodium clodronate, *in* D-00194
22561-27-9 Cephachlomazine, C-00171
22568-64-5 Diacetolol; (±)-*form*, *in* D-00118
22572-04-9 Codactide, C-00524
22572-05-0 Penicillamine; (±)-*form*, B,HCl, *in* P-00064
22573-93-9 Alexidine, A-00107
22595-26-2 ▷12-Hydroxystrychnine, *in* S-00167
22601-59-8 ▷Bacitracin *A*, B-00002
22609-73-0 ▷Niludipine, N-00142
22610-99-7 ▷Diethylstilbestrol; (*Z*)-*form*, *in* D-00257
22619-35-8 Tioclomarol, T-00297
22624-32-4 3-Ethyl-3-hydroxypentanoic acid; Et ester, *in* E-00195
22632-06-0 Bupicomide, *in* B-00432
22633-88-1 Tetracosactide acetate, JAN, *in* T-00108
22661-76-3 Amoproxan, A-00357
22662-39-1 ▷Rafoxanide, R-00003
22664-55-7 ▷Metipranolol, M-00322
22668-01-5 ▷Etanidazole, E-00139
22693-65-8 Olmidine, O-00039
22693-89-6 Olmidine; (±)-*form*, B,HCl, *in* O-00039
22730-86-5 ▷Iolixanic acid, I-00119
22733-60-4 Siccanin, S-00066
22736-85-2 ▷Diflumidone, D-00271
22737-01-5 Diflumidone sodium, *in* D-00271
22760-18-5 ▷Proquazone, P-00522
22775-12-8 ▷Dimetofrine hydrochloride, *in* D-00459
22775-15-1 Dimetofrine; (±)-*form*, Maleate, *in* D-00459
22781-23-3 ▷Bendiocarb, B-00046
22790-84-7 Carbantel, C-00042
22801-44-1 Mepivacaine; (±)-*form*, *in* M-00101
22832-87-7 ▷Daktarin, *in* M-00363
22835-16-1 Gastrins; Gastrin *D*1, *in* G-00012
22839-47-0 ▷Aspartame; L-L-*form*, *in* A-00460

22839-65-2 Aspartame; L-D-*form*, *in* A-00460
22855-57-8 3-(3-Bromophenyl)-2,5-pyrrolidinedione, B-00315
22862-76-6 ▷Anisomycin, A-00395
22875-07-6 Leucomycin A_1; Tri-Ac, *in* L-00032
22876-60-4 Liprodene, *in* M-00288
22881-35-2 Famprofazone, F-00016
22888-70-6 Silybin, S-00069
22911-97-3 4,5,6,7-Tetrahydro-2*H*-indazol-3-amine; 2,*N*(3)-Di-Me, maleate (1:1), *in* T-00119
22916-47-8 ▷Miconazole, M-00363
22930-85-4 Dioxethedrin; B,HCl, *in* D-00476
22933-72-8 Salazodine, S-00008
22940-77-8 Oxypropyliodone, *in* D-00363
22950-29-4 Dimetofrine, D-00459
22966-79-6 ▷Estradiol mustard, *in* O-00028
22972-98-1 Oxprenolol; (±)-*form*, *in* O-00145
22981-79-9 Carolic acid; (*R*)-*form*, *in* C-00086
22993-25-5 2,2′-(9,10-Anthrylenedimethylene)bis(isothiourea); B,HCl, *in* A-00404
22994-85-0 ▷Benznidazole, B-00089
23013-49-2 Gastrins; Gastrin *D2*, *in* G-00012
23023-91-8 Flucrylate, F-00141
23029-57-4 Aturgyl, *in* F-00066
23031-25-6 ▷Terbutaline, T-00084
23031-32-5 ▷Terbutaline sulfate, *in* T-00084
23031-78-9 3-Amino-1,2-benzisothiazole, A-00214
23043-51-8 4-Aminoacridine; 4-*N*-Et, *in* A-00204
23043-52-9 ▷9-Aminoacridine; 9-*N*-Ac, *in* A-00205
23047-25-8 Lofepramine, L-00074
23049-93-6 ▷Enfenamic acid, E-00054
23060-11-9 Mercaptobutanedioic acid; (±)-*form*, Di-Et ester, *in* M-00115
23067-13-2 ▷Erythromycin glucoheptonate, *in* E-00115
23068-56-6 Otimerate, O-00070
23076-35-9 ▷Xylazine hydrochloride, *in* X-00021
23089-26-1 α-Bisabolol; (6*S*,7*S*)-*form*, *in* B-00184
23092-17-3 ▷Halazepam, H-00003
23093-74-5 ▷Bunitrolol hydrochloride, JAN, *in* B-00364
23110-15-8 ▷Fumagillin, F-00273
23111-34-4 Feclobuzone, F-00026
23112-90-5 (3-Methyloxiranyl)phosphonic acid, M-00276
23113-01-1 Adamantoylcytarabine, *in* C-00667
23131-02-4 Benzodisufene, *in* B-00178
23142-01-0 Toclase, *in* C-00046
23142-02-1 2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid, C-00607
23152-29-6 Virginiamycin S_1, V-00054
23155-02-4 ▷(3-Methyloxiranyl)phosphonic acid; (2*R*,3*S*)-*form*, *in* M-00276
23158-16-9 6-(3-Methyl-2-butenyl)-1*H*-indole, M-00236
23163-42-0 Metynodiol; (3β,11β,17α)-*form*, *in* M-00346
23163-51-1 Metynodiol diacetate, *in* M-00346
23164-36-5 ▷Methadol; (3*RS*,6*RS*)-*form*, B,HCl, *in* M-00162
23203-65-8 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*SR*,12*SR*,13*E*,15*RS*)-*form*, *in* D-00341
23205-04-1 Iosulamide, I-00137
23205-42-7 ▷3-Deazauridine, D-00031
23210-56-2 ▷Ifenprodil, I-00020
23210-58-4 ▷Vadilex, *in* I-00020
23214-92-8 ▷Adriamycin, A-00080
23214-96-2 ▷Alcuronium(2+), A-00105
23220-74-8 3-Deazauridine; 2′,3′,5′-Tribenzoyl, *in* D-00031
23226-37-1 Daledalin tosylate, *in* D-00006
23233-88-7 ▷Brotianide, B-00328
23239-36-3 Deterenol hydrochloride, *in* D-00106
23239-37-4 Etoxadrol hydrochloride, *in* E-00264
23239-41-0 ▷Cephacetrile sodium, *in* C-00170
23239-51-2 ▷Ritodrine hydrochloride, *in* R-00067
23239-78-3 ▷Pridefine hydrochloride, *in* D-00498
23249-97-0 2-Benzimidazolepropionic acid, B-00083
23255-93-8 ▷Hycanthone mesylate, *in* H-00093
23256-09-9 Closiramine aceturate, *in* C-00505
23256-23-7 Sulfatroxazole, S-00212
23256-26-0 Piquizil hydrochloride, *in* P-00312
23256-28-2 Hoquizil hydrochloride, *in* H-00089
23256-30-6 ▷Nifurtimox, N-00134
23256-39-5 HL523, *in* G-00110
23256-40-8 Benzerial, *in* G-00098
23256-50-0 Guanabenz acetate, *in* G-00098
23257-44-5 Fluprednisolone valerate, *in* F-00208
23257-58-1 ▷Levoxadrol hydrochloride, *in* D-00472
23271-63-8 Amicibone, A-00188
23271-74-1 Fedrilate, F-00027
23277-43-2 En 2234*A*, *in* N-00028
23277-50-1 Meglumine salicylate, *in* H-00112
23283-97-8 2-Isopropyl-5-methylcyclohexanol; (1*R*,3*S*,4*R*)-*form*, *in* I-00208
23287-26-5 2-Hydroxy-3-methylbenzoic acid; Me ester, *in* H-00155
23288-49-5 Probucol, P-00445
23293-77-8 1-Ethynylcyclohexanol; Benzoyl, *in* E-00228
23313-50-0 Practolol; (±)-*form*, *in* P-00394
23313-68-0 Verapamil hydrochloride, *in* V-00019
23327-57-3 ▷Nefopam hydrochloride, *in* N-00063
23344-16-3 ▷Streptovarycin; Streptovaricin *A*, *in* S-00163
23344-17-4 ▷Streptovarycin; Streptovaricin *C*, *in* S-00163
23348-16-5 Ridiflone; B,HCl, *in* R-00042
23360-92-1 ▷Leurosine, L-00037
23362-78-9 Mefenidramium(1+); Chloride, *in* M-00064
23383-11-1 Ferrous citrate, F-00092
23393-65-9 6-Azauridine; 5′-Benzoyl, 2′,3′-dimesyl, *in* A-00514
23407-74-1 6-Azauridine; 2′,3′,5′-Trimesyl, *in* A-00514
23419-43-4 Ridiflone, R-00042
23436-73-9 1,5-Dimethyl[1]benzothieno[2,3-*g*]isoquinoline, D-00425
23444-86-2 Suncillin sodium, *in* S-00271
23450-15-9 4-Benzylphenol; Benzoyl, *in* B-00127
23454-33-3 Hexabolan, *in* T-00410
23465-76-1 Caroverine, C-00090
23469-05-8 Diamocaine cyclamate, *in* D-00140
23470-78-2 6-Azauridine; 2′,3′-Dimesyl, *in* A-00514
23476-83-7 ▷Prospidium chloride, *in* P-00527
23477-49-8 6-Azauridine; 5′-Benzoyl, *in* A-00514
23477-98-7 ▷Bundlin B, *in* B-00362
23486-22-8 ▷Esproquin hydrochloride, *in* E-00124
23492-69-5 Sopitazine, S-00101
23492-70-8 Sopitazine; B,HCl, *in* S-00101
23495-89-8 Tetrandrine; (±)-*form*, *in* T-00152
23496-41-5 Verticine, V-00024
23496-43-7 Isoverticine, *in* V-00024
23505-41-1 ▷Pirimiphos-ethyl, P-00329
23529-23-9 Detanosal; B,HCl, *in* D-00105
23541-50-6 ▷Daunorubicin hydrochloride, JAN, *in* D-00019
23564-06-9 ▷Thiophanate, T-00207
23573-50-4 BRL 50216, *in* C-00442
23573-66-2 Detanosal, D-00105
23580-33-8 Furacrinic acid, F-00277
23593-08-0 Clonazoline; B,HCl, *in* C-00476
23593-09-1 Clonazoline; B,HNO_3, *in* C-00476
23593-75-1 ▷Clotrimazole, C-00512
23602-78-0 ▷Benfluorex, B-00050
23607-71-8 Fetoxylate hydrochloride, *in* D-00265
23609-65-6 ▷Pyraldin, *in* A-00207
23623-31-6 ▷Bundlin *A*, B-00362
23623-36-1 Estrone cyanate, *in* O-00031
23642-66-2 S 992, *in* B-00050
23654-53-7 Anidoxime; B,HCl, *in* A-00388
23674-86-4 Difluprednate, D-00273
23694-17-9 Sultopride; (±)-*form*, B,HCl, *in* S-00264
23694-81-7 Mepindolol, M-00097
23696-28-8 ▷Olaquindox, O-00034
23702-98-9 α-Phenyl-2-piperidinemethanol, P-00197
23707-33-7 *N*-[(2-Methylphenyl)methyl]adenosine, *in* A-00067
23712-05-2 ▷Fenmetozole hydrochloride, *in* F-00058
23724-96-1 Diaminocaine, D-00122
23736-58-5 Cloxacillin benzathine, *in* C-00515
23744-24-3 Pipoxolan, P-00304
23757-42-8 ▷Midaflur, M-00364
23758-80-7 Alletorphine, A-00125
23779-99-9 ▷Floctafenine, F-00119

23784-10-3 ▷Viminol; 4-Hydroxybenzoate (salt), *in* V-00030
23788-35-4 11-[3-(Dimethylamino)propyl]-6,11-dihydrodibenzo[*b*,*e*]thiepine; Maleate (1:1), *in* D-00420
23790-08-1 ▷Moxipraquine, M-00465
23809-18-9 Dimethoxymethylarsine oxide, *in* M-00226
23829-65-4 Mecrifuranone hydrochloride, *in* M-00052
23845-79-6 Mecrifurone, M-00052
23869-24-1 Monoxerutin INN, *in* R-00106
23873-85-0 Proligestone, P-00472
23875-59-4 MY-33-7, *in* L-00105
23879-81-4 1,3,5-Triphenoxybenzene, *in* B-00076
23887-31-2 Clorazepic acid, C-00494
23887-41-4 Cinepazet, *in* C-00362
23887-46-9 Cinepazide, C-00363
23887-47-0 Cinpropazide, C-00382
23891-60-3 Mepramidil, M-00103
23910-07-8 Mebiquine, M-00036
23915-73-3 ▷Trebenzomine, *in* A-00245
23915-74-4 Trebenzomine hydrochloride, *in* A-00245
23915-80-2 Angioftal, *in* O-00125
23918-98-1 Eritadenine; (2*R*,3*R*)-*form*, *in* E-00110
23924-95-0 Veneserpine, *in* R-00028
23930-19-0 ▷3-Hydroxy-11,20-pregnanedione; (3α,5α)-*form*, *in* H-00200
23930-37-2 Alphadolone acetate, *in* H-00200
23940-36-5 ▷Stibophen, *in* B-00207
23944-24-3 Norajmaline, *in* A-00088
23950-19-8 Prodine; (3*RS*,4*RS*)-*form*, *in* P-00460
23964-57-0 ▷Alphacaine, *in* C-00103
23964-58-1 Carticaine, C-00103
23979-17-1 Thebaine; (+)-*form*, *in* T-00162
23980-14-5 Ethyl dirazepate, E-00185
23981-80-8 Naproxen, N-00048
23983-43-9 Dehydroepiandrosterone enanthate, *in* H-00110
24047-25-4 Guanoxabenz, *in* G-00098
24138-28-1 6-Bromopenicillanic acid; (2*S*,5*R*,6*S*)-*form*, *in* B-00311
24143-17-7 ▷Oxazolam, O-00098
24150-39-8 Deoxypicropodophyllin, *in* D-00083
24159-07-7 Febrifugine; (+)-*form*, *in* F-00023
24164-12-3 Tulipinolide, *in* H-00134
24164-13-4 Epitulipinolide, *in* H-00134
24166-13-0 ▷Cloxazolam, C-00517
24168-96-5 ▷Isoconazole nitrate, JAN, *in* I-00183
24169-02-6 Econazole nitrate, *in* E-00009
24196-16-5 Ajmalicine; (±)-*form*, *in* A-00087
24209-02-7 Cefanone, C-00113
24209-51-6 Cefanone; Na salt, *in* C-00113
24218-13-1 *p*-Methyldiphenhydramine; (+)-*form*, B,HCl, *in* M-00247
24219-97-4 Mianserin, M-00360
24221-86-1 ▷2-Methylamino-1-phenyl-1-propanol; (1*S*,2*R*)-*form*, B,HCl, *in* M-00221
24233-80-5 Bisobrin lactate, *in* B-00232
24237-54-5 ▷Tinoridine, T-00296
24243-89-8 Triflumidate, T-00461
24243-97-8 Tymazoline, T-00580
24252-70-8 Yohimbine; (±)-*form*, *in* Y-00002
24279-91-2 ▷Carboquone, C-00063
24280-93-1 ▷Mycophenolic acid, M-00475
24292-42-0 1-Phenylethylhydrazine; (*S*)-*form*, *in* P-00188
24305-27-9 ▷Thyroliberin, T-00229
24320-27-2 Halocortolone, H-00006
24340-35-0 Piridoxilate, *in* P-00582
24349-90-4 (3-Methyloxiranyl)phosphonic acid; (2*R*,3*S*)-*form*, Monobenzylammonium salt, *in* M-00276
24353-32-0 Hydroxindasol; B,HCl, *in* H-00105
24353-45-5 Dibusadol, *in* H-00112
24353-88-6 ▷Lorbamate, L-00093
24356-60-3 ▷Cephapirin sodium, *in* C-00115
24356-94-3 ▷Algestone acetophenide, *in* A-00114
24358-65-4 Agofell, *in* D-00366
24358-76-7 Nivazol, N-00191
24358-84-7 ▷Mepivacaine; (*S*)-*form*, *in* M-00101
24359-77-1 Otrivin, *in* P-00141
24360-03-0 Midamaline; B,HCl, *in* M-00366
24360-55-2 Milipertine, M-00375
24360-58-5 Pentaphonate, *in* D-00568
24360-92-7 Tetramisole; (±)-*form*, Monocyclamate, *in* T-00151
24361-13-5 IN 691, *in* I-00067
24381-49-5 Choline orotate, *in* O-00061
24381-55-3 Salethamide maleate, *in* D-00237
24385-10-2 8-(Hydroxyacetyl)-7,8,9,10-tetrahydro-6,8,10,11-tetrahydroxy-1-methoxy-5,12-naphthacenedione, *in* A-00080
24390-12-3 Fantridone hydrochloride, *in* F-00018
24390-14-5 Doxycycline hyclate, *in* D-00080
24397-89-5 ▷Actinobolin, A-00053
24428-71-5 Glicetanile sodium, *in* G-00036
24446-37-5 Cinepazic acid; B,HCl, *in* C-00362
24447-99-2 4-(Methylamino)benzenesulfonic acid, *in* A-00213
24455-58-1 Glicetanile, G-00036
24477-37-0 ▷Glisolamide, G-00047
24484-40-0 UCB B192, *in* D-00026
24526-64-5 ▷1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, T-00125
24527-27-3 Spiclomazine, S-00114
24543-59-7 ▷6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one; (5α,6α)-*form*, *in* B-00303
24543-60-0 6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one; (5β,6β)-*form*, *in* B-00303
24553-77-3 6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one; (5α,6β)-*form*, *in* B-00303
24558-01-8 Levofacetoperane, *in* P-00197
24570-52-3 Methacholine(1+); (*S*)-*form*, Iodide, *in* M-00160
24573-30-6 ▷3-Chloro-1,2-propanediol; (±)-*form*, 1-Ac, *in* C-00278
24600-36-0 ▷Noleptan, *in* F-00240
24622-52-4 Somagest, *in* A-00350
24622-72-8 Amixetrine, A-00350
24631-38-7 Bicordin, *in* D-00531
24632-47-1 ▷Nifurpipone, N-00127
24645-20-3 ▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
24656-22-2 ▷Picoperidamine palmitate, JAN, *in* P-00239
24668-75-5 Dexamethasone tert-butylacetate, *in* D-00111
24671-26-9 Benrixate, B-00062
24677-86-9 Elanone, *in* L-00024
24678-13-5 Lenperone, L-00024
24691-16-5 3,3,5-Trimethylcyclohexanol; (1*RS*,5*RS*)-*form*, Ac, *in* T-00506
24697-74-3 Leonurine, L-00025
24699-40-9 ▷Picoperidamine hydrochloride, JAN, *in* P-00239
24701-51-7 Demexiptiline, D-00067
24729-96-2 ▷Clindamycin phosphate, *in* C-00428
24740-92-9 3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid, B-00312
24759-08-8 α-Ethyl-1-hydroxycyclohexaneacetic acid; (±)-*form*, Choline salt, *in* E-00193
24808-87-5 Prednisone succinate, *in* P-00413
24809-02-7 Hexestrol diphosphate, *in* B-00220
24812-40-6 Trazitiline; B,HCl, *in* T-00403
24815-25-6 Ethybenztropine; B,HBr, *in* E-00172
24828-59-9 2-Cyclopentene-1-tridecanoic acid; (*S*)-*form*, Me ester, *in* C-00627
24840-59-3 Pretamazium idodide, *in* P-00424
24853-80-3 Asaphen, *in* P-00300
24868-20-0 Dantrolene sodium, JAN, *in* D-00012
24870-04-0 Giractide, G-00025
24873-95-8 2-Phenylcyclopropylamine; (1*RS*,2*RS*)-*form*, *in* P-00186
24886-52-0 Pipofezine, P-00300
24891-21-2 4-(4′-Aminobenzamido)antipyrine, A-00211
24894-50-6 Estradiol pivalate, *in* O-00028
24909-72-6 9-Octadecenoic acid; (*Z*)-*form*, Anhydride, *in* O-00010
24916-50-5 ▷Foromacidin *A*, F-00249
24916-51-6 ▷Foromacidin *B*, F-00250
24916-52-7 ▷Foromacidin *C*, F-00251
25019-87-8 Balipramine; Maleate (1:1), *in* B-00007
25030-57-3 Diethyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276

25030-78-8 (3-Methyloxiranyl)phosphonic acid; (2*RS*,3*SR*)-*form*, Di-Me ester, *in* M-00276
25046-79-1 ▷Glisoxepide, G-00048
25053-27-4 Lyapolate sodium, *in* V-00047
25065-00-3 3-Hydroxy-1-methylpyridinium hydroxide inner salt, *in* H-00209
25070-24-0 2-Hydroxyacetophenone; Oxime, *in* H-00107
25082-83-1 Carbantel; B,HCl, *in* C-00042
25092-07-3 Dimesone, D-00386
25092-41-5 Norgestomet, N-00217
25117-79-7 Isomethadol, I-00192
25122-41-2 Clobetasol, C-00437
25122-46-7 ▷Clobetasol propionate, *in* C-00437
25122-57-0 ▷Clobetasone butyrate, *in* C-00437
25126-32-3 Sincalide, S-00077
25126-56-1 Methacholine(1+); (*R*)-*form*, Iodide, *in* M-00160
25127-31-5 Cidoxepin hydrochloride, *in* D-00594
25129-91-3 ▷Albocycline, A-00099
25143-13-9 Centperazine, C-00167
25155-18-4 ▷Methylbenzethonium chloride, *in* M-00229
25162-00-9 ▷Nicotine; (*R*)-*form*, *in* N-00103
25167-65-1 Clinolamide, *in* O-00007
25182-49-4 Methacholine(1+); (*S*)-*form*, *in* M-00160
25229-42-9 ▷3-Cyclohexyl-2-butenoic acid, C-00605
25238-71-5 10*H*-Phenothiazine-2-acetic acid; Me ester, *in* P-00168
25269-04-9 Nisobamate, N-00158
25287-60-9 Etofamide, E-00247
25312-58-7 Prodine; (3*S*,4*R*)-*form*, *in* P-00460
25312-59-8 Prodine; (3*R*,4*S*)-*form*, *in* P-00460
25314-87-8 ▷Elucaine, E-00031
25316-40-9 ▷Doxorubicin hydrochloride, *in* A-00080
25332-39-2 ▷Trazodone hydrochloride, *in* T-00405
25333-42-0 3-Quinuclidinol; (*R*)-*form*, *in* Q-00035
25333-77-1 ▷Acetorphine, *in* E-00263
25333-78-2 Etorphine; 3-Ac; B,HCl, *in* E-00263
25377-76-8 ▷2-Mercaptothiazoline, M-00121
25383-07-7 (3-Methyloxiranyl)phosphonic acid; (2*R*,3*S*)-*form*, Mono-(+)-1-phenylethylammonium salt, *in* M-00276
25384-17-2 Allylprodine, A-00133
25387-70-6 Dazadrol maleate, *in* D-00022
25389-94-0 ▷Kanamycin *A*; B,H_2SO_4, *in* K-00004
25392-49-8 Oxazorone; B,HCl, *in* O-00099
25392-50-1 Oxazorone, O-00099
25394-78-9 Cetoxime, C-00186
25395-13-5 5-Chloro-8-hydroxyquinoline; B,HCl, *in* C-00249
25422-75-7 Antazonite; (±)-*form*, *in* A-00401
25447-66-9 Dihydroergocryptine, D-00285
25450-33-3 17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one, E-00229
25451-15-4 ▷Felbamate, *in* P-00200
25460-63-3 (3-Methyloxiranyl)phosphonic acid; (2*S*,3*R*)-*form*, Di-Me ester, *in* M-00276
25466-21-1 Indanpramine hydrochloride, *in* I-00015
25466-44-8 Idanpramine, I-00015
25484-41-7 Dimethyl (3-methyloxiranyl)phosphonate, *in* M-00276
25487-28-9 Talsupram; (±)-*form*, B,HCl, *in* T-00017
25489-13-8 (3-Methyloxiranyl)phosphonic acid; (2*RS*,3*SR*)-*form*, Mono(benzylammonium) salt, *in* M-00276
25507-04-4 Clindamycin palmitate hydrochloride, *in* C-00428
25509-07-3 Cloroqualone, C-00500
25523-97-1 Chlorpheniramine; (*S*)-*form*, *in* C-00292
25546-65-0 ▷Ribostamycin, R-00040
25573-43-7 Geneserine, G-00016
25575-91-1 Thyroliberin; B,AcOH, *in* T-00229
25611-78-3 ▷1,2-Diphenylethylamine, D-00492
25614-03-3 ▷Bromocriptine, *in* E-00103
25616-63-1 Eritadenine; (2*R*,3*R*)-*form*, Me ester, *in* E-00110
25616-64-2 Eritadenine; (2*R*,3*R*)-*form*, Me ester, 2,3-di-Ac, *in* E-00110
25627-37-6 Dothiepin; (*E*)-*form*, *in* D-00588
25627-38-7 Dothiepin; (*Z*)-*form*, *in* D-00588
25633-33-4 ▷Cerberin, *in* D-00274
25635-17-0 2-Methyl-4-pyridinecarboxylic acid; Et ester, *in* M-00303
25655-41-8 ▷Povidone-Iodine, *in* P-00393
25672-33-7 Glucinan, *in* D-00432
25673-17-0 Furbenicillin; K salt, *in* F-00286
25681-89-4 Amerscan, *in* M-00168
25683-71-0 Terizidone, T-00092
25717-80-0 ▷Molsidomine, M-00425
25737-87-5 (2-Hydroxyethyl)tetradecylammonium(1+), H-00133
25743-56-0 1-(4-Hydroxyphenyl)-1-propanone; Ac, *in* H-00193
25771-23-7 Duometacin, D-00620
25783-45-3 1-Ethoxy-3-methoxybenzene, *in* B-00073
25787-42-2 3′-Amino-3′-deoxyadenosine; 3′,3′,6,6-Tetra-*N*-Me, *in* A-00234
25787-43-3 3′-Amino-3′-deoxyadenosine; 3′*N*-Me, *in* A-00234
25803-14-9 ▷Clometacin, C-00468
25812-30-0 ▷5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid, D-00443
25827-12-7 Suloxifen, S-00235
25827-13-8 Suloxifen oxalate, *in* S-00235
25827-76-3 ▷Iomeglamic acid, I-00120
25834-71-3 3′-Amino-3′-deoxyadenosine; 3′*N*-Ac, 3′*N*-Me, 2′,5′-di-Ac, *in* A-00234
25859-76-1 Glibutimine, G-00034
25875-50-7 Robenidine hydrochloride, *in* R-00069
25875-51-8 ▷Robenidine, R-00069
25876-10-2 ▷Gentamicin *C*; Gentamicin C_1, *in* G-00018
25876-11-3 ▷Gentamicin *C*; Gentamicin C_2, *in* G-00018
25888-03-3 5-Hydroxy-2-methyl-1-phenyl-1*H*-indole-3-carboxylic acid, H-00173
25905-77-5 Minaprine, M-00381
25913-34-2 Nonflamin, *in* T-00296
25927-20-2 Etofuradine; Fumarate, *in* E-00252
25953-17-7 Cantor, *in* M-00381
25953-19-9 ▷Cefazolin, C-00120
25967-29-7 ▷Flutoprazepam, F-00231
25990-43-6 Mepenzolate(1+), M-00094
25992-25-0 Diphenyl (3-methyl-2-oxiranyl)phosphonate, *in* M-00276
25999-20-6 ▷Lasalocid *A*; Na salt, *in* L-00011
25999-31-9 ▷Lasalocid *A*, L-00011
26002-80-2 Phenothrin, P-00169
26016-89-7 (3-Methyloxiranyl)phosphonic acid; (2*S*,3*R*)-*form*, Mono-(−)-α-phenylethylamine salt, *in* M-00276
26016-99-9 ▷(3-Methyloxiranyl)phosphonic acid; (2*R*,3*S*)-*form*, Di-Na salt, *in* M-00276
26017-03-8 (3-Methyloxiranyl)phosphonic acid; (2*S*,3*R*)-*form*, *in* M-00276
26020-55-3 Oxetorone, O-00107
26035-31-4 Diamminedichloroplatinum, D-00139
26048-05-5 Beauvericin, B-00020
26048-47-5 5,6-Dibromocholestan-3-ol; (3β,5α,6β)-*form*, Benzoyl, *in* D-00162
26058-50-4 ▷Dotefonium bromide, *in* D-00587
26068-66-6 Oxyridazine; (±)-*form*, B,HCl, *in* O-00164
26070-23-5 Trazitiline, T-00403
26070-68-8 Gitan, *in* U-00001
26070-78-0 Ubisindine, U-00001
26095-58-9 ▷Otilonium(1+); Iodide, *in* O-00069
26095-59-0 ▷Otilonium bromide, *in* O-00069
26097-55-2 *N*-Benzyl-*N*,α-dimethylphenethylamine; (*R*)-*form*, *in* B-00115
26097-80-3 ▷Cambendazole, C-00020
26098-04-4 ▷Gentamicin *C*; Gentamicin C_{1a}, *in* G-00018
26101-52-0 Lyapolic acid, *in* V-00047
26112-64-1 4-Amino-3-thiophenecarboxylic acid, A-00337
26129-32-8 ▷Fenofibric acid, F-00062
26130-02-9 Frentizole, F-00264
26155-31-7 ▷Morantel tartrate, *in* M-00438
26159-31-9 Naproxen; (±)-*form*, *in* N-00048
26159-34-2 ▷Naproxen Sodium, *in* N-00048
26159-36-4 2-(6-Methoxy-2-naphthyl)-1-propanol; (*S*)-*form*, *in* M-00207
26171-23-3 ▷Tolmetin, T-00353
26209-07-4 Ciclosidomine; B,HCl, *in* C-00333
26225-59-2 ▷Mecinarone, M-00043
26242-33-1 Vintiamol, V-00044
26266-57-9 Sorbitan monopalmitate, *in* A-00387

26270-59-7 ▷Mecinarone; Maleate, *in* M-00043
26271-72-7 17-[(1-Oxopentyl)oxy]androstan-3-one, *in* H-00109
26281-69-6 Exiproben, E-00280
26304-61-0 2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]indole, T-00116
26305-03-3 ▷Pepstatins; Pepstatin *A*, 9CI, *in* P-00109
26308-28-1 Ripazepam, R-00062
26328-00-7 ▷MD 68111, *in* C-00382
26328-04-1 ▷Cinepazide maleate, JAN, *in* C-00363
26328-53-0 ▷4-Nitro-4′-isothiocyanatodiphenylamine, N-00180
26330-11-0 3-(2-Aminobutyl)indole; (±)-*form*, B,HCl, *in* A-00222
26350-39-0 Nifurizone, N-00123
26362-06-1 Cinfenine; (*E*)-*form*, Fumarate, *in* C-00364
26363-46-2 Diphenidol pamoate, *in* D-00486
26406-62-2 Iquindamine; B,2HCl, *in* I-00168
26410-96-8 6-Methylaminohexanoic acid, *in* A-00259
26472-47-9 Fosfomycin calcium, JAN, *in* M-00276
26481-51-6 Tiprenolol; (±)-*form*, *in* T-00315
26507-91-5 2-Methoxy-3-methylbenzoic acid, *in* H-00155
26513-79-1 Paraxazone, P-00031
26513-90-6 Letimide, L-00027
26531-80-6 2-Hydroxyoctadecanoic acid; (*S*)-*form*, *in* H-00184
26532-77-4 Isomethadol; β-(−)-*form*, *in* I-00192
26533-05-1 Isomethadol; α-(+)-*form*, *in* I-00192
26538-44-3 ▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one; (3*S*,7*R*)-*form*, *in* D-00035
26552-51-2 Thiphencillin, T-00216
26570-10-5 ▷Propoxyphene napsylate, *in* P-00512
26585-31-9 Cinnoxyphenisatin, *in* O-00160
26594-41-2 Isomethadone; (*R*)-*form*, *in* I-00193
26598-44-7 Ethybenztropine; B,HCl, *in* E-00172
26605-69-6 ▷Carindacillin sodium, JAN, *in* C-00077
26614-21-1 3,4-Bis(4-hydroxyphenyl)hexane; (3*R*,4*R*)-*form*, *in* B-00220
26614-22-2 3,4-Bis(4-hydroxyphenyl)hexane; (3*S*,4*S*)-*form*, *in* B-00220
26615-21-4 Zotepine, Z-00039
26629-86-7 ▷Oxaflozane; B,HCl, *in* O-00076
26629-87-8 ▷Oxaflozane, O-00076
26631-90-3 6-Bromopenicillanic acid; (2*S*,5*R*,6*R*)-*form*, *in* B-00311
26652-09-5 Ritodrine; (α*RS*,1′*RS*)-*form*, *in* R-00067
26658-19-5 Sorbitan tristearate, *in* A-00387
26673-91-6 Zotepine; Maleate, *in* Z-00039
26675-46-7 ▷2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane, C-00231
26717-47-5 ▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456
26718-25-2 Halofenate, H-00008
26750-81-2 ▷Alibendol, A-00116
26758-91-8 Cytosamine, C-00666
26774-90-3 ▷Epicillin, E-00074
26786-32-3 ▷Lopramine hydrochloride, *in* L-00074
26786-84-5 ▷Lomofungin, L-00082
26787-78-0 ▷Amoxycillin, A-00364
26807-65-8 ▷Indapamide, I-00052
26833-85-2 ▷Harringtonine, H-00022
26833-87-4 ▷Homoharringtonine, *in* H-00022
26839-75-8 Timolol; (*S*)-*form*, *in* T-00288
26844-12-2 Indoramin, I-00069
26849-57-0 Triclonide, T-00452
26864-56-2 ▷Penfluridol, P-00062
26887-04-7 Iotranic acid, I-00141
26921-17-5 ▷Timolol maleate, *in* T-00288
26921-72-2 5-(3-Hydroxyphenyl)-1*H*-tetrazole, H-00198
26924-74-3 ▷Antibiotic WS 3442*A*, *in* C-00177
26944-48-9 Glibornuride, G-00033
26964-71-6 Fenaperone; B,HCl, *in* F-00036
26976-72-7 4-Acetoxybutanoic acid, *in* H-00118
26995-91-5 4-L-Threonineoxytocin, T-00220
27007-85-8 ▷APY-606, *in* S-00114
27023-29-6 Clotrimazole; B,HCl, *in* C-00512
27025-49-6 Carfecillin, C-00074
27031-08-9 Sulfaguanole, S-00194
27035-30-9 ▷Oxametacin, O-00082
27050-41-5 Clenpyrin, C-00420
27058-84-0 ▷SD 1601, *in* M-00435
27059-74-1 Romergan, *in* P-00478
27060-91-9 ▷Flutazolam, F-00225
27076-46-6 Alpertine, A-00146
27095-26-7 2′-Deoxy-5-fluorouridine; 3′-Ac, 5′-mesyl, *in* D-00079
27107-79-5 ▷Tilidine hydrochloride, *in* T-00273
27109-48-4 *N*-(2-Bromo-3-methylbutanoyl)urea; (−)-*form*, *in* B-00307
27109-49-5 *N*-(2-Bromo-3-methylbutanoyl)urea; (+)-*form*, *in* B-00307
27112-37-4 Diamocaine, D-00140
27112-40-9 Fenclexonium(1+), F-00041
27115-86-2 ▷Dacuronium bromide, *in* D-00003
27127-79-3 Thevetin B, *in* D-00274
27164-46-1 ▷Cefazolin sodium, *in* C-00120
27166-18-3 *N*′-(6-Methoxy-4-quinolinyl)-*N*,*N*-dimethyl-1,2-ethanediamine, M-00217
27176-90-5 Codopectyl, *in* D-00403
27189-18-0 17α-Ethynyl-6,6-difluoro-17β-hydroxy-4-oestren-3-one; Ac, *in* E-00229
27199-40-2 ▷Pifexole, P-00247
27203-92-5 ▷2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl-)-cyclohexanol; (1*RS*,2*RS*)-*form*, *in* D-00416
27220-47-9 ▷Econazole, E-00009
27220-57-1 Antimycin *A*; Antimycin A_2, *in* A-00415
27220-59-3 ▷Antimycin *A*; Antimycin A_4, *in* A-00415
27220-60-6 Antimycin *A*; Antimycin A_5, *in* A-00415
27220-61-7 Antimycin *A*; Antimycin A_6, *in* A-00415
27223-35-4 Ketazolam, K-00012
27229-23-8 Mezepine; Fumarate, *in* M-00356
27258-23-7 2-[2-(Diethylamino)ethyl]-*N*,*N*′-diphenylpropanediamide, D-00236
27262-45-9 ▷Bupivacaine; (*R*)-*form*, *in* B-00368
27262-47-1 ▷Bupivacaine; (*S*)-*form*, *in* B-00368
27276-25-1 ▷Capobenate sodium, *in* C-00030
27293-82-9 Tyropanoic acid, T-00581
27297-42-3 Betamethasone succinate, *in* B-00141
27299-12-3 1,4-Anhydroglucitol, A-00387
27302-90-5 ▷Oxisuran, O-00120
27303-92-0 Meprednisone hydrogen succinate, *in* D-00336
27307-30-8 Penlysinum, P-00071
27312-93-2 Fluacizine; B,HCl, *in* F-00128
27314-77-8 Drazidox, *in* M-00304
27315-91-9 Pipebuzone, P-00276
27318-86-1 2-(3,5-Dimethoxyphenoxy)ethanol, D-00399
27325-18-4 ▷Procinolol; (±)-*form*, B,HCl, *in* P-00451
27325-36-6 Procinolol, P-00451
27357-50-2 (3-Methyloxiranyl)phosphonic acid; (2*RS*,3*RS*)-*form*, *in* M-00276
27367-90-4 ▷Niaprazine, N-00083
27376-76-7 9,11-Dihydroxy-15-oxo-5-prostenoic acid, D-00340
27376-76-7 9,11-Dihydroxy-15-oxo-5-prostenoic acid; (5*Z*,9*S*,11*R*)-*form*, *in* D-00340
27432-00-4 Mezepine, M-00356
27432-00-4 Mezepine; Citrate, *in* M-00356
27448-03-9 ▷Cotriptyline; B,HCl, *in* C-00554
27450-21-1 Osmadizone, O-00067
27464-23-9 Minoten, *in* O-00100
27466-27-9 Intriptyline, I-00088
27466-29-1 Intriptyline hydrochloride, *in* I-00088
27467-46-5 Oxetacillin; B,HCl, *in* O-00104
27469-53-0 ▷Almitrine, A-00139
27470-51-5 ▷Suxibuzone, S-00283
27470-75-3 Mezepine; Oxalate, *in* M-00356
27471-60-9 ▷Suplexedil, *in* F-00067
27501-91-3 2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid, H-00199
27501-92-4 2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid; Me ester, *in* H-00199

27501-93-5 2-(2-Hydroxyphenyl)-4-thiazolecarboxylic acid; Me ester, Ac, *in* H-00199
27511-99-5 ▷5-Ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, *in* E-00218
27523-40-6 Isoconazole, I-00183
27528-63-8 Fepromide; (±)-*form*, B,HCl, *in* F-00085
27574-24-9 Tropatepine, T-00550
27574-25-0 Lepticur, *in* T-00550
27581-02-8 Idropranolol, I-00019
27581-03-9 Idropranolol; B,HCl, *in* I-00019
27585-35-9 ▷Fexicaine; B,HCl, *in* F-00097
27588-43-8 ▷Alecor, *in* E-00094
27589-33-9 ▷Azosemide, A-00530
27591-01-1 ▷Bunolol; (±)-*form*, *in* B-00365
27591-42-0 ▷Oxazidione, O-00097
27591-43-1 Oxazidione; B,HCl, *in* O-00097
27591-69-1 ▷Tilorone hydrochloride, *in* T-00277
27591-97-5 ▷Tilorone, T-00277
27597-63-3 Bromamphenicol; (1′*R*,2′*R*)-*form*, *in* B-00284
27610-08-8 Estrone tetraacetylglucoside, *in* O-00031
27656-46-8 3,11,14-Trihydroxy-20(22)-cardenolide; (3β,5α,11α,14β)-*form*, *in* T-00473
27661-27-4 (Xylosylamino)benzoic acid; D-pyranose-*form*, *in* X-00025
27686-19-7 Gastrins; *Feline Gastrin*, *in* G-00012
27688-73-9 Setazindol; (+)-*form*, *in* S-00057
27688-74-0 Setazindol; (−)-*form*, *in* S-00057
27711-98-4 Erythrinan, E-00113
27724-96-5 ▷Cetraxate hydrochloride, *in* C-00187
27726-31-4 ▷Pivcephalexin, P-00363
27736-80-7 Fenaftic acid, F-00032
27737-38-8 Mixidine, M-00410
27743-00-6 2-(6-Methoxy-2-naphthyl)-1-propanol, M-00207
27762-78-3 ▷3-Ethoxy-1,1-dihydroxy-2-butanone, *in* E-00168
27795-77-3 Oxapium(1+); β-*form*, Iodide, *in* O-00089
27826-45-5 Libecillide, L-00041
27833-64-3 ▷Loxapine succinate, *in* L-00106
27848-84-6 ▷Nicergoline, N-00089
27849-94-1 Safra, *in* S-00003
27871-49-4 2-Hydroxypropanoic acid; (*S*)-*form*, Me ester, *in* H-00207
27877-51-6 Tolindate, T-00351
27885-92-3 Imidocarb, I-00034
27886-55-1 4-Chloro-1,3-benzenedisulfonic acid, C-00215
27890-59-1 Sulfaclozine, S-00190
27892-33-7 Emepronium(1+), E-00035
27912-14-7 Levobunolol hydrochloride, *in* B-00365
27917-82-4 Dovenix, *in* H-00142
27920-64-5 5β,6β-Epoxy-4β-hydroxy-1-oxo-20*S*,22*R*-witha-2,24-dienolide, *in* W-00002
27959-26-8 ▷Nicomol, N-00100
28002-18-8 ▷Disodium sulbenicillin, JAN, *in* S-00181
28022-11-9 Megalomicin *A*, M-00070
28048-39-7 Dihydrospectinomycin, *in* S-00111
28050-56-8 3,7,12-Trihydroxy-24-cholanoic acid; (3α,5β,7β,12α)-*form*, *in* T-00475
28058-62-0 ▷Clocapramine dihydrochloride, JAN, *in* C-00441
28069-65-0 Cuprimyxin, C-00577
28120-03-8 Tymazoline; B,HCl, *in* T-00580
28125-87-3 Flutonidine, F-00230
28168-10-7 Tetriprofen, T-00155
28169-46-2 ▷2-Methyl-3,5-dinitrobenzoic acid, M-00246
28179-44-4 5-Acetamido-*N*-[[(2-hydroxyethyl)amino]carbonyl]-2,4,6-triiodobenzoic acid, *in* D-00138
28189-85-7 Etoxadrol, E-00264
28197-63-9 Acebutolol, A-00006
28197-69-5 Diacetolol, D-00118
28217-60-9 Phlorin, *in* B-00076
28227-96-5 Phenisonone, P-00158
28240-18-8 Pinolcaine; (+)-*form*, *in* P-00271
28266-61-7 RN 927, *in* Z-00009
28268-43-1 Tetriprofen; (+)-*form*, *in* T-00155
28268-44-2 Tetriprofen; (−)-*form*, *in* T-00155
28291-30-7 Penbutolol; (*S*)-*form*, B,HCl, *in* P-00059
28300-74-5 ▷Antimony potassium tartrate, A-00414
28384-81-8 Theophylline meglumine, *in* T-00169
28395-03-1 ▷Bumetanide, B-00356
28416-66-2 ▷Isoaminile; Citrate (1:1), *in* I-00177
28421-52-5 11,17,21-Trihydroxy-1,4,7-pregnatriene-3,20-dione; (11β,17α)-*form*, *in* T-00482
28434-00-6 ▷Allethrin; (+)-*trans*-*form*, *in* A-00124
28434-01-7 ▷Resmethrin; (1*R*,3*R*)-*form*, *in* R-00031
28523-86-6 1,1,1,3,3,3-Hexafluoro-2-(fluoromethoxy)propane, H-00047
28532-90-3 Furomazine, F-00296
28546-58-9 Uldazepam, U-00004
28570-99-2 Setazindol; (±)-*form*, *in* S-00057
28598-08-5 Cinoctramide, C-00374
28610-84-6 Rimazolium metilsulfate, *in* R-00055
28617-16-5 Eritadenine; (2*S*,3*R*)-*form*, *in* E-00110
28617-17-6 Eritadenine; (2*R*,3*S*)-*form*, *in* E-00110
28646-36-8 *N*-Benzyl-*N*,α-dimethylphenethylamine; (*R*)-*form*, B,HCl, *in* B-00115
28657-80-9 ▷Cinoxacin, C-00377
28721-07-5 10,11-Dihydro-10-oxo-5*H*-dibenz[*b*,*f*]azepine-5-carboxamide, *in* D-00281
28757-47-3 Polihexanide, P-00381
28781-64-8 Menitrazepam, M-00091
28782-42-5 Difenoxin, D-00265
28797-61-7 Pirenzepine, P-00321
28808-07-3 Oestriol; 16-(β-D-Glucopyranosiduronic acid), *in* O-00030
28810-23-3 Zepastine, Z-00009
28815-27-2 Isomylamine, I-00194
28820-28-2 Naftoxate, N-00026
28860-95-9 ▷Carbidopa; (*S*)-*form*, *in* C-00050
28868-64-6 Centphenaquin, C-00168
28875-92-5 Carbidopa; (±)-*form*, *in* C-00050
28911-01-5 ▷Triazolam, T-00425
28913-23-7 Ethynylestradiol 3-isopropylsulfonate, *in* E-00231
28968-07-2 ▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid; (±)-*form*, *in* C-00225
28968-09-4 ▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid; (*S*)-*form*, *in* C-00225
28971-58-6 Acrocinonide, *in* T-00419
28978-07-6 Anticapsin, A-00412
28979-74-0 Pristinamycin I_C, P-00440
28981-97-7 ▷Alprazolam, A-00150
28991-46-0 Eritadenine; (2*R*,3*R*)-*form*, Me ester, 2,3-*O*-isopropylidene, *in* E-00110
28998-36-9 5-Azacytidine; 2′,3′,5′-Tribenzoyl, *in* A-00496
29006-02-8 4-Methoxybutanoic acid, *in* H-00118
29010-26-2 Afroside, *in* G-00079
29023-48-1 Timolol, T-00288
29025-14-7 ▷Butropium bromide, *in* B-00425
29050-11-1 Seclazone, S-00032
29053-27-8 ▷Meseclazone, M-00132
29065-18-7 Picoperine; Fumarate, *in* P-00239
29066-70-4 PR-F-36-Cl, *in* S-00057
29069-24-7 ▷Prednimustine, P-00411
29071-21-4 ▷Quinalbarbitone; (±)-*form*, *in* Q-00011
29094-61-9 Glipizide, G-00042
29098-15-5 ▷Terofenamate, *in* M-00045
29101-95-9 Leucogenenol, L-00031
29106-32-9 2-Cyclopentene-1-tridecanoic acid; (*S*)-*form*, *in* C-00627
29110-47-2 Guanfacine, G-00103
29122-68-7 ▷Atenolol, A-00468
29125-56-2 Droclidinium bromide, *in* D-00605
29144-42-1 ▷Chelocardin, C-00190
29169-91-3 Procidin S 735M, *in* P-00109
29170-05-6 Deterenol; (*R*)-*form*, *in* D-00106
29176-29-2 Lofendazam, L-00072
29177-84-2 Ethyl loflazepate, E-00197
29197-45-3 2-Phenyl-4-quinolinecarboxamide, *in* P-00206
29205-06-9 Fluocortolone pivalate, *in* F-00175
29216-28-2 ▷Mequitazine, M-00109

29218-27-7 ▷Toloxatone, T-00360
29227-64-3 Caperatic acid, C-00029
29232-93-7 ▷Pirimiphos-methyl, P-00330
29281-73-0 1-Amino-2-nitro-1,2-diphenylethylene, A-00293
29289-02-9 Polydine, *in* P-00081
29334-07-4 Sulmarin, *in* D-00332
29342-02-7 1-Hydroxy-4,6-dimethyl-2(1*H*)-pyridone, *in* D-00451
29342-05-0 6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone, C-00612
29442-58-8 Motrazepam, M-00455
29444-03-9 Jatrophone, J-00002
29462-18-8 Bentazepam, B-00066
29473-70-9 Tofisoline; B,HCl, *in* T-00341
29473-71-0 Tofisoline; Picrate, *in* T-00341
29474-12-2 1-Cyclohexyl-2-methyl-1-propanol, C-00618
29520-14-7 Guanfacine hydrochloride, *in* G-00103
29520-22-7 Menadiol disulfate, *in* D-00333
29535-27-1 Malethamer, M-00014
29541-85-3 ▷Oxitriptyline, O-00122
29546-59-6 ▷Ciclonium bromide, *in* C-00330
29560-58-5 ▷Ethmozine, *in* M-00442
29604-16-8 Oxyprothepin, O-00162
29619-86-1 Moctamide, M-00416
29679-58-1 2-(3-Phenoxyphenyl)propanoic acid, P-00172
29700-91-2 10-Demethylcephaeline, *in* C-00172
29702-43-0 2-Deoxy-2-fluoroglucose; D-*form*, *in* D-00078
29722-71-2 Norsongorine, *in* S-00100
29726-99-6 Tofisoline, T-00341
29728-34-5 Acetylenoxolone aluminium, *in* G-00072
29728-68-5 Oxyprothepin; (±)-*form*, B,2HCl, *in* O-00162
29767-20-2 ▷Teniposide, T-00071
29769-70-8 Fenprin, *in* M-00379
29780-94-7 1,6-Di-*O*-trityl-D-mannitol, *in* M-00018
29782-68-1 Silydianin, S-00071
29790-52-1 ▷Eudermol, *in* N-00103
29868-97-1 ▷Pirenzepine hydrochloride, JAN, *in* P-00321
29869-74-7 Mefenidramium(1+), M-00064
29869-77-0 4,4-Diphenyl-2-butylamine, D-00489
29899-95-4 Ethyl 5,6-bis-*O*-(4-chlorobenzyl)-3-*O*-propyl glucoside; D-furanose-*form*, *in* E-00175
29908-03-0 ▷*S*-Adenosylmethionine; (*S*)-*form*, *in* A-00068
29936-79-6 ▷Mofoxime, M-00421
29952-13-4 Peratizole, P-00115
29952-87-2 Claresan, *in* C-00456
29953-55-7 Peratizole maleate, *in* P-00115
29958-58-5 Respacal, *in* P-00303
29975-16-4 ▷Estazolam, E-00126
29984-33-6 ▷Vidarabine phosphate, *in* A-00435
30003-49-7 ▷Primycin, P-00437
30003-49-7 ▷Primycin; 2B,H_2SO_4, *in* P-00437
30033-10-4 Stercuronium iodide, *in* S-00146
30034-03-8 ▷Cefamandole sodium, JAN, *in* C-00112
30073-40-6 Bucumolol; (±)-*form*, B,HCl, *in* B-00343
30097-06-4 2,4-Thiazolidinedicarboxylic acid, T-00184
30103-44-7 Bumecaine, B-00354
30116-79-1 Amifloverine; B,HCl, *in* A-00194
30116-80-4 Carfonal, *in* F-00123
30123-17-2 Tianeptine; Na salt, *in* T-00240
30223-48-4 ▷Fluacizine, F-00128
30271-85-3 Razinodil, R-00014
30271-90-0 Razinodil; (±)-*form*, B,HCl, *in* R-00014
30272-08-3 Maneon, *in* A-00200
30279-49-3 Suclofenide, S-00174
30286-75-0 ▷Oxitropium bromide, *in* O-00123
30299-08-2 ▷Clinofibrate, C-00429
30301-23-6 Pachycarpine N^{16}-oxide, *in* S-00110
30319-44-9 1,2,3,4-Tetra-*O*-benzoyl-α-D-xylopyranoside, *in* X-00024
30368-50-4 2,4-Diamino-1,3,5-triazine; *N*,*N*′-Di-Me, *in* D-00136
30387-51-0 Asperlin, A-00464
30392-40-6 Bitolterol, B-00241
30392-41-7 ▷Bitolterol mesylate, *in* B-00241
30403-03-3 Gallium citrate, G-00005
30418-38-3 Tretoquinol; (*S*)-*form*, *in* T-00418
30436-10-3 4-Hydroxybutanoic acid; Benzoyl, *in* H-00118
30484-77-6 ▷Flunarizine hydrochloride, *in* F-00165
30485-16-6 Monensin; Monensin *B*, *in* M-00428
30516-87-1 Zidovudine, Z-00013
30525-89-4 ▷Paraformaldehyde, *in* F-00244
30529-16-9 Stirimazole, S-00156
30531-86-3 Colfenamate, C-00535
30533-89-2 Flurantel, F-00216
30544-47-9 ▷Etofenamate, E-00248
30544-61-7 ▷Clanobutin, C-00409
30578-37-1 ▷Amezinium metilsulfate, *in* A-00279
30653-83-9 ▷Parsalmide, P-00041
30685-43-9 ▷Medigoxin, *in* D-00275
30687-16-2 ▷N-(2-Hydroxyethyl)-N-methylcinnamamide, *in* H-00130
30716-01-9 Emilium tosylate, *in* E-00199
30719-67-6 ▷Gossypol; (±)-*form*, Hexa-Ac, *in* G-00082
30748-29-9 ▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235
30751-03-2 3-Aminopiperidine; (±)-*form*, 3-*N*-(3,4,5-Trimethoxybenzoyl); B,HCl, *in* A-00314
30751-05-4 Troxipide, *in* A-00314
30761-64-9 10-Amino-10,11-dihydro-5*H*-dibenz[*b*,*f*]azepine, A-00241
30779-95-4 1,9-Heptadecadiene-4,6-diyne-3,8-diol, H-00028
30781-27-2 Amadinone, A-00161
30817-43-7 Fenclexonium metilsulfate, *in* F-00041
30826-72-3 Moxnidazole; B,HCl, *in* M-00467
30840-27-8 Pretiadil, P-00426
30840-28-9 Pretiadil; (±)-*form*, B,HCl, *in* P-00426
30851-76-4 Ethoxazorutoside, *in* R-00106
30868-30-5 ▷Pyrazomycin; β-D-*form*, *in* P-00566
30882-77-0 α-Phenyl-2-piperidinemethanol; (α*S*,2*S*)-*form*, *in* P-00197
30909-51-4 Flupentixol decanoate, *in* F-00198
30910-27-1 Treloxinate, T-00408
30914-89-7 ▷Flumexadol, F-00160
30924-31-3 ▷Cafaminol, C-00008
30953-84-5 Procyclidine hydrochloride, *in* P-00455
30953-85-6 Benzhexol; (*R*)-*form*, B,HCl, *in* B-00081
30986-62-0 Arginine tidiacicate, *in* T-00184
30999-06-5 Tocophersolan, *in* T-00335
31002-79-6 Triamcinolone benetonide, *in* T-00419
31002-84-3 α-Phenyl-2-piperidinemethanol; (α*R*,2*R*)-*form*, *in* P-00197
31005-02-4 7-Ethoxy-2*H*-1-benzopyran-2-one, *in* H-00114
31005-05-7 7-Hydroxy-2*H*-1-benzopyran-2-one; Benzoyl, *in* H-00114
31023-56-0 Metaproterenol sulfate, *in* O-00053
31036-80-3 Lofexidine, L-00075
31065-89-1 ▷Dylamon, *in* M-00064
31075-85-1 3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione; (±)-*form*, B,HCl, *in* A-00305
31077-78-8 Carpesterol, C-00094
31085-55-9 Adenosine; 6*N*,5′-Ditrityl, *in* A-00067
31085-56-0 Adenosine; 6*N*,2′,5′-Tritrityl, *in* A-00067
31085-57-1 Adenosine; 6*N*,3′,5′-Tritrityl, *in* A-00067
31087-87-3 ▷Beaumontoside, *in* D-00274
31087-88-4 Wallichoside, *in* D-00274
31087-94-2 ▷Beauwalloside, *in* T-00474
31101-25-4 Mirincamycin, M-00393
31105-14-3 Olmidine; (±)-*form*, *in* O-00039
31112-62-6 ▷Metrizamide, M-00343
31127-82-9 ▷Iodoxamic acid, I-00108
31139-87-4 ▷Tipepidine hibenzate, *in* T-00311
31156-80-6 Antibiotic NK 1013-2, *in* K-00005
31221-85-9 Ibuverine, *in* C-00614
31224-92-7 ▷Pifoxime, P-00249
31232-26-5 Danitracen, D-00011
31251-03-3 Fluotrimazole, F-00193
31314-38-2 1-Isopropyl-4,4-diphenylpiperidine, I-00206
31323-25-8 ▷Fluopsin *C*, F-00177
31329-57-4 ▷Naftidrofuryl, N-00023
31342-36-6 Chloramphenicol pantothenate, *in* C-00195
31352-82-6 Zolazepam, Z-00028

31377-05-6 Calciopor, *in* O-00140
31386-24-0 Amindocate, A-00199
31386-25-1 Indocate, I-00061
31428-61-2 Tiamenidine, T-00236
31430-15-6 ▷Flubendazole, F-00133
31430-18-9 ▷Nocodazole, N-00196
31431-39-7 ▷Mebendazole, M-00031
31431-43-3 Ciclobendazole, C-00328
31478-45-2 Bamnidazole, *in* M-00344
31542-63-9 1,3-Dipropyl-7-methylxanthine, D-00524
31576-00-8 Oxprenolol; (*R*)-*form*, *in* O-00145
31581-02-9 Cinoxolone, *in* G-00072
31581-82-5 5-Epicyasterone, *in* C-00584
31598-07-9 Iozomic acid, I-00150
31637-97-5 Etofibrate, E-00250
31652-69-4 Wortmannin; 11-Deacetoxy, *in* W-00003
31660-13-6 11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid; (5*Z*,8*RS*,11*RS*,12*RS*,13*E*,15*RS*)-*form*, *in* D-00339
31660-17-0 11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid; (5*Z*,8*SR*,11*RS*,12*RS*,13*E*,15*SR*)-*form*, *in* D-00339
31677-93-7 ▷Bupropion hydrochloride, *in* B-00371
31698-14-3 ▷Cyclocytidine, C-00600
31708-52-8 Gemazocine; B,HBr, *in* G-00014
31708-54-0 Ibazocine; (+)-*form*, B,HBr, *in* I-00003
31708-63-1 Ibazocine; (−)-*form*, B,HBr, *in* I-00003
31721-17-2 Quinupramine, Q-00036
31729-24-5 Enpiprazole, E-00063
31753-19-2 15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid; (5*Z*,8*R*,12*S*,13*E*,15*S*)-*form*, Me ester, *in* H-00187
31770-79-3 Meglucycline, M-00072
31774-33-1 Abikoviromycin, A-00002
31793-07-4 ▷Pirprofen, P-00355
31828-71-4 ▷Mexiletine, M-00351
31842-01-0 ▷Indoprofen, I-00068
31842-61-2 Rimiterol hydrobromide, *in* R-00058
31848-01-8 ▷Morclofone, M-00440
31848-02-9 Medicil, *in* M-00440
31852-19-4 Levopropoxiphene dibudinate, *in* P-00512
31868-18-5 ▷Mexazolam, M-00350
31879-05-7 2-(3-Phenoxyphenyl)propanoic acid; (±)-*form*, *in* P-00172
31883-05-3 Moricizine, M-00442
31911-54-3 Fenetradil; B,2HCl, *in* F-00048
31932-09-9 Ticarbodine, T-00254
31959-87-2 ▷NSC 32946, *in* M-00402
31959-88-3 Clodazon hydrochloride, *in* C-00448
31969-05-8 Bunolol hydrochloride, *in* B-00365
31980-29-7 ▷Nicofibrate, N-00097
31980-87-7 Monensin; Monensin *C*, *in* M-00428
32018-87-4 4-Amino-1-naphthoic acid, A-00292
32046-03-0 Pyrazinecarboxylic acid; Nitrile, 1-oxide, *in* P-00560
32046-09-6 Pyrazinecarboxylic acid; 1-Oxide, *in* P-00560
32059-15-7 2-(Guanidinomethyl)octahydro-1*H*-azocine, G-00111
32059-27-1 Sumetizide, S-00269
32093-23-5 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*RS*,2*RS*)-*form*, Me ester, *in* T-00118
32093-24-6 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*RS*,2*SR*)-*form*, Me ester, *in* T-00118
32147-36-7 Nafenopin; (*R*)-*form*, *in* N-00014
32156-26-6 4-Bromo-2,5-dimethoxy-α-methylphenethylamine, B-00298
32156-80-2 Theophylline diethanolamine, *in* T-00169
32164-26-4 ▷Streptovaricin D, *in* S-00163
32179-61-6 4-Amino-2-methyl-*N*′-(5-nitro-2-thiazolyl)-5-pyrimidinecarboxamide, A-00286
32188-07-1 Brompheniramine; (±)-*form*, *in* B-00325
32195-33-8 Bisbendazole, B-00193
32211-97-5 3-(Dimethylamino)-1,2,3,4-tetrahydrocarbazole, D-00422
32222-06-3 ▷Calcitriol, *in* A-00109
32266-10-7 ▷Hexoprenaline sulfate, JAN, *in* H-00068
32282-45-4 Allantoin; (±)-*form*, 1,3-Di-Me, *in* A-00123
32289-58-0 PHMB, *in* P-00381
32295-18-4 Tosifen, T-00389
32359-34-5 ▷Medifoxamine, M-00056
32361-10-7 Clostebol caproate, *in* C-00506
32361-24-3 2,5-Dihydroxyphenylalanine; (*S*)-*form*, *in* D-00344
32384-96-6 Daunomycin; Aglycone, tetra-Ac, *in* D-00019
32385-11-8 ▷Sisomicin, S-00082
32386-39-3 1-(Isopropylamino)-3-(1,4-ethano-1,2,3,4-tetrahydro-5-naphthyloxy)-2-propanol, I-00202
32421-46-8 ▷Bunaftine, B-00358
32434-24-5 Isochondodendrine; B,H_2SO_4, *in* I-00182
32434-44-9 Isofebrifugine, I-00186
32447-90-8 Tilidate; (1*R*,2*R*)-*form*, *in* T-00273
32449-92-6 ▷Glucurono-6,3-lactone; D-*form*, *in* G-00059
32462-30-9 2-Amino-2-(4-hydroxyphenyl)acetic acid; (*S*)-*form*, *in* A-00269
32476-75-8 Furaguanidine; B,H_2SO_4, *in* F-00279
32479-73-5 1,3-Diethylbarbituric acid, *in* P-00586
32527-55-2 Tiaramide, T-00245
32560-48-8 Aceverine, *in* A-00300
32562-61-1 Haematoporphyrin; Di-Me ester, *in* H-00002
32565-98-3 Ethyl 2-(diethoxyphosphinyl)oxybenzoate, *in* P-00217
32594-70-0 Thiabendazole; 1-*N*-Me, *in* T-00171
32599-09-0 ▷Guaiactamine; B,HCl, *in* G-00091
32627-64-8 Cyanoneocobalamin, *in* V-00059
32659-31-7 5′-Chloro-5′-deoxyarabinosylcytosine, C-00226
32665-36-4 ▷Eprozinol, E-00094
32672-69-8 Mesoridazine besylate, *in* M-00134
32702-17-3 1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid; Na salt, *in* T-00528
32710-91-1 1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528
32784-82-0 ▷Protecton, *in* I-00037
32795-44-1 ▷Acecainide, *in* P-00446
32795-47-4 ▷Nomifensine maleate, *in* T-00125
32797-92-5 Glisentide, G-00045
32808-51-8 ▷Bucloxic acid, B-00341
32808-53-0 ▷CB 804, *in* B-00341
32838-26-9 *N*-(2-Ethylhexyl)-3-hydroxybutanamide, E-00192
32858-84-7 3-Hydroxy-3,3-diphenylpropanoic acid; Me ester, *in* H-00126
32862-97-8 ▷3-(3-Bromophenyl)-2-propenoic acid, B-00314
32865-01-3 ▷Dimotaine, *in* B-00325
32886-97-8 Pivmecillinam, P-00366
32887-01-7 ▷Mecillinam, M-00042
32887-03-9 ▷Pivmecillinam hydrochloride, JAN, *in* P-00366
32891-29-5 ▷Pentona, *in* M-00028
32909-92-5 Sulfametrole, S-00199
32946-40-0 Thyroliberin; B,HCl, *in* T-00229
32953-89-2 Rimiterol, R-00058
32986-56-4 ▷Nebramycin factor 6, N-00059
32988-50-4 ▷Viomycin, V-00050
33005-95-7 ▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
33025-33-1 ▷Proroxan hydrochloride, *in* P-00525
33029-18-4 Δ^8-Tetrahydrocannabinol; (6*aS*,10*aS*)-*form*, *in* T-00114
33032-12-1 Histadyl fumarate, *in* M-00171
33069-62-4 ▷Taxol, T-00037
33075-00-2 ▷Cefathiamidine, C-00116
33089-61-1 ▷Amitraz, A-00349
33103-22-9 ▷Tuberactinomycin *N*, T-00569
33122-60-0 11-Hydroxy-17,17-dimethyl-18-norandrosta-4,13-dien-3-one; 11α-*form*, *in* H-00124
33124-50-4 Fluocortin, F-00174
33125-97-2 ▷Etomidate; (*R*)-*form*, *in* E-00257
33142-18-6 2-Aminothiazole; *N*-Phenyl, *in* A-00336
33144-79-5 Broperamole, B-00327
33156-28-4 Ramnodigin, *in* D-00274
33162-17-3 ▷Karbidine, *in* D-00175
33178-86-8 Alinidine, A-00120
33204-76-1 ▷2,2,4,6,6,8-Hexamethyl-4,8-diphenylcyclotetrasiloxane, H-00056
33237-74-0 ▷Aprindine hydrochloride, *in* A-00429
33267-29-7 3-Methyl-1-pentyn-3-ol; (*S*)-*form*, *in* M-00281

33286-22-5 ▷Diltiazem hydrochloride, *in* D-00373
33305-56-5 Thimerfonate, T-00191
33335-58-9 Dimethyltubocurarinium chloride, *in* T-00571
33342-05-1 Gliquidone, G-00043
33368-20-6 Enduracidin *A*; B,HCl, *in* E-00053
33369-31-2 Zomepirac, Z-00035
33371-53-8 Bevonium(1+), B-00147
33386-08-2 ▷Buspirone hydrochloride, *in* B-00378
33390-21-5 ▷Bikaverin, B-00165
33396-37-1 ▷Meproscillarin, *in* D-00319
33401-94-4 ▷Pyrantel tartrate, *in* P-00558
33402-03-8 ▷Metaraminol bitartrate, *in* A-00274
33414-30-1 Ftormetazine, F-00270
33414-36-7 Ftorpropazine, F-00271
33419-42-0 ▷Etoposide, E-00262
33419-68-0 ▷Safrazine, S-00003
33425-89-7 Orphenadrine; (+)-*form*, *in* O-00064
33425-90-0 Orphenadrine; (±)-*form*, *in* O-00064
33425-91-1 Orphenadrine; (−)-*form*, *in* O-00064
33431-07-1 *p*-Methyldiphenhydramine; (±)-*form*, *in* M-00247
33445-35-1 Prontosil; B,HCl, *in* P-00484
33453-23-5 Ciproquazone, C-00392
33459-27-7 7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, I-00201
33477-38-2 Virginamycin S_2, *in* V-00054
33477-39-3 Virginiamycin S_3, *in* V-00054
33484-05-8 4-Epichelocardin, *in* C-00190
33490-33-4 ▷Capreomycin; Capreomycin I*B*, *in* C-00031
33507-63-0 Substance *P*, S-00171
33537-60-9 Cogazocine; (−)-*form*, B,HBr, *in* C-00533
33543-89-4 4-Oxo-4*H*-1-benzopyran-2-carboxylic acid; Amide, *in* O-00125
33543-90-7 2-Cyanochromone, *in* O-00125
33545-56-1 Ciclopramine, C-00331
33564-30-6 ▷Cefoxitin sodium, JAN, *in* C-00141
33564-31-7 Diflorasone diacetate, *in* D-00267
33580-30-2 Tertatolol; (±)-*form*, B,HCl, *in* T-00097
33588-20-4 Clidafidine, C-00424
33605-67-3 ▷Cargutocin, C-00076
33605-94-6 Pirisudanol, P-00336
33608-18-3 Congasin, *in* B-00189
33642-70-5 Ciclopramine; (±)-*form*, Fumarate, *in* C-00331
33652-83-4 1-Phenyl-1-pentanol; (*S*)-*form*, *in* P-00194
33665-90-6 6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, M-00275
33671-46-4 ▷Clotiazepam, C-00508
33686-47-4 2-Methyl-3-phenyl-2-butylamine; (*R*)-*form*, *in* M-00288
33743-96-3 Proroxan, P-00525
33754-49-3 Zolazepam hydrochloride, *in* Z-00028
33755-46-3 ▷Dexamethasone valerate, *in* D-00111
33758-81-5 2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol; (±)-*form*, *in* T-00503
33758-82-6 2,3,4-Trimethoxyestra-1,3,5(10)-trien-17β-ol; (±)-*form*, Ac, *in* T-00503
33759-33-0 Leucogenenol; Me ether, bis-2,4-dinitrophenylhydrazone, tetra-Ac, *in* L-00031
33759-35-2 Leucogenenol; Ca salt (2:1), *in* L-00031
33765-68-3 Oxendolone, O-00102
33774-52-6 Detajmium bitartrate, *in* D-00104
33776-88-4 17-[(1-Oxoheptyl)oxy]androstan-3-one, *in* H-00109
33779-37-2 Salprotoside, S-00020
33813-84-2 Deprostil, D-00086
33817-20-8 ▷Pivampicillin, P-00362
33836-43-0 Piromidic acid; Et ester, *in* P-00349
33854-15-8 Eupacunin, E-00272
33855-15-1 Lasalocid *A*; Me ester, *in* L-00011
33876-97-0 Linsidomine, L-00052
33889-69-9 Silychristin, S-00070
33923-44-3 Ftormetazine; B,2HCl, *in* F-00270
33948-22-0 5*H*-Dibenz[*b*,*f*]azepine; *N*-Chlorocarbonyl, *in* D-00155
33996-33-7 Oxaceprol, *in* H-00210
33996-58-6 Etiracetam, E-00240
34014-01-2 β-Hydroxypiromidic acid, *in* P-00349
34024-41-4 ▷Deboxamet, D-00032
34031-32-8 ▷Auranofin; β-D-*form*, *in* A-00475
34041-84-4 Diclofensine; (±)-*form*, B,HCl, *in* D-00211
34042-85-8 ▷Sudoxicam, S-00176
34061-33-1 Taclamine, T-00002
34061-34-2 Taclamine hydrochloride, *in* T-00002
34061-48-8 Butaclamol, B-00382
34097-16-0 Clocortolone pivalate, *in* C-00444
34098-41-4 Arglecin, A-00442
34114-01-7 Pemerid nitrate, *in* P-00057
34118-92-8 Acecainide hydrochloride, *in* P-00446
34141-35-0 20-Deoxycamptothecin, *in* C-00024
34144-82-6 Suxemerid sulfate, *in* S-00281
34148-01-1 ▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225
34150-62-4 Ferriclate calcium sodium, F-00089
34161-23-4 Vigilor, *in* F-00107
34161-24-5 Fipexide, F-00107
34183-22-7 Rytmonorm, *in* P-00486
34184-77-5 Promegestone, P-00476
34214-49-8 Phenbutazone sodium glycerate, *in* P-00180
34252-65-8 Octriptyline; Oxalate, *in* O-00026
34256-91-2 Naranol hydrochloride, *in* N-00049
34262-84-5 ▷Mesocarb, M-00133
34271-50-6 Salbutamol; (*S*)-*form*, *in* S-00012
34273-01-3 4,4-Diphenylpiperidine, D-00503
34273-10-4 Saralasin, S-00023
34277-65-1 Thiocarbamic acid; *S*-Me ester, *N*-Ac, *in* T-00196
34291-02-6 ▷Butirosin *A*, B-00408
34291-03-7 ▷Butirosin B, *in* B-00408
34297-34-2 Anidoxime, A-00388
34300-25-9 D 935, *in* C-00619
34301-55-8 Isometamidium chloride, *in* I-00191
34302-34-6 N′-Demethyldauricine, *in* D-00020
34333-71-6 Mepivacaine; (*S*)-*form*, B,HCl, *in* M-00101
34368-04-2 Dobutamine, D-00561
34378-72-8 Phenethicillin; D-*form*, *in* P-00152
34379-30-1 1,2:4,5-Di-*O*-isopropylidene-*myo*-inositol, *in* I-00074
34381-68-5 ▷Acebutolol hydrochloride, JAN, *in* A-00006
34388-67-5 16-Hydroxythebaine, *in* T-00162
34391-04-3 Salbutamol; (*R*)-*form*, B,HCl, *in* S-00012
34396-64-0 Dimethothiazine; (±)-*form*, B,HCl, *in* D-00396
34426-53-4 ▷Niaprazine; B,3HCl, *in* N-00083
34433-66-4 Levaacetylmethadol, *in* M-00162
34435-09-1 1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol; (*S*,*S*)-*form*, *in* B-00225
34438-27-2 ▷Enduracidin *A*, E-00053
34444-01-4 Cefamandole, C-00112
34461-73-9 ▷Bumadizone calcium, *in* B-00353
34482-99-0 Fletazepam, F-00118
34493-98-6 ▷Dibekacin, D-00154
34499-96-2 Temodox, T-00063
34522-43-5 3′-Amino-3′-deoxyadenosine; 3′,6,6-Tri-*N*-Me, *in* A-00234
34522-46-8 Oxetorone fumarate, *in* O-00107
34524-20-4 ▷Boromycin, B-00258
34535-83-6 Cordoxene, *in* F-00034
34552-78-8 ▷Lometraline hydrochloride, *in* L-00079
34552-82-4 ▷Fluperamide; B,HCl, *in* F-00199
34552-83-5 ▷Loperamide hydrochloride, *in* L-00087
34552-84-6 Isoxicam, I-00217
34563-73-0 ▷Feniodium chloride, *in* F-00054
34564-38-0 2-Bromo-2-nitro-1,3-propanediol; Di-Ac, *in* B-00310
34580-13-7 Ketotifen, K-00020
34580-14-8 ▷Ketotifen fumarate, JAN, *in* K-00020
34592-47-7 4-Thiazolidinecarboxylic acid; (*R*)-*form*, *in* T-00183
34616-39-2 Fenalcomine, F-00034
34624-41-4 Lactoylcholine, L-00004
34633-34-6 Bifluranol, B-00163
34645-25-5 1,2-Diphenylethylamine; (*R*)-*form*, *in* D-00492
34645-84-6 ▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199
34661-75-1 ▷Urapidil, U-00010

34662-67-4 Cotriptyline, C-00554
34675-77-9 ▷Centpropazine, C-00169
34675-84-8 Cetraxate; *trans-form*, *in* C-00187
34680-56-3 2-Chloro-1,3-dimethoxypropane, *in* C-00278
34703-49-6 ▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132
34740-13-1 Profexalone, P-00463
34744-36-0 3′-[Bis(2-hydroxyethyl)amino)acetophenone (4,5-diphenyl-2-oxazolyl)hydrazone, B-00216
34753-46-3 Ciheptolane, C-00340
34758-83-3 Zipeprol, Z-00023
34758-84-4 ▷Respilene, *in* Z-00023
34760-49-1 Methylniphenazine, M-00273
34765-96-3 Alsactide, A-00152
34775-83-2 Meclopin, *in* O-00162
34784-64-0 Tertatolol; (±)-*form*, *in* T-00097
34786-70-4 Nystatin; Nystatin A_1, *in* N-00235
34787-01-4 Ticarcillin, T-00255
34800-85-6 Oxifentorex; (+)-*form*, B,HCl, *in* O-00112
34816-55-2 ▷Moxestrol, M-00463
34834-86-1 Oxantel; B,HCl, *in* O-00087
34839-70-8 ▷Metiamide, M-00316
34866-46-1 ▷Carbuterol hydrochloride, *in* C-00071
34866-47-2 Carbuterol, C-00071
34866-51-8 3,4-Diethoxy-β-methoxy-*N*-(1-methyl-2-pyrrolidinylidene)benzeneethanamine, D-00229
34879-34-0 Urazamide, *in* A-00275
34887-52-0 ▷Fenisorex, F-00056
34911-55-2 Bupropion, B-00371
34914-39-1 (Methylidynetrithio)triacetic acid, M-00262
34915-68-9 ▷Bunitrolol, B-00364
34919-98-7 Cetamolol, C-00181
34959-30-3 Azaspirium chloride, *in* A-00510
34966-41-1 Cartazolate, C-00101
34970-69-9 Burimamide, B-00375
34976-39-1 Tioxacin, T-00306
34976-46-0 Tioxacin; Me ester, *in* T-00306
34987-37-6 3-Acetyl-5-chloro-2-hydroxy-*N*,*N*-dimethyl-*N*-(2-phenoxyethyl)benzenemethanaminium(1+); Chloride, *in* A-00028
34987-38-7 Difesyl, *in* A-00028
34989-00-9 1,3-Diamino-2-propanol; B,2HCl, *in* D-00135
35013-09-3 5,7-Dihydroxy-4′-methoxyflavone; 7-β-D-Galactoside, *in* D-00329
35026-77-8 Dimepropion; (*S*)-*form*, *in* D-00382
35035-05-3 ▷Timepidium bromide, *in* T-00284
35055-78-8 Nicomorphine; B,HCl, *in* N-00101
35067-47-1 Droxacin, D-00613
35100-41-5 Domazoline fumarate, *in* D-00572
35100-44-8 Endrysone, E-00052
35108-88-4 ▷Bufetolol hydrochloride, JAN, *in* B-00349
35115-60-7 Teprotide, T-00079
35121-78-9 Prostacyclin; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* P-00528
35135-01-4 Benafentrine, B-00035
35135-67-2 Cormethasone acetate, *in* C-00544
35135-68-3 Cormethasone, C-00544
35142-68-8 Homopipramol, H-00085
35144-63-9 Aminopentamide; (±)-*form*, B,H_2SO_4, *in* A-00296
35189-28-7 ▷Norgestimate, N-00216
35193-71-6 Propetamide; (±)-*form*, *in* P-00499
35212-22-7 7-Isopropoxyisoflavone, *in* H-00144
35241-60-2 N-(2-Hydroxyethyl)-N-methyl-p-hydroxycinnamamide, *in* H-00130
35265-50-0 Peraquinsin, P-00113
35273-88-2 Gliflumide; (*S*)-*form*, *in* G-00040
35295-88-6 Oxazepam; (±)-*form*, *in* O-00096
35319-70-1 Tiazuril, T-00247
35322-07-7 Fosazepam, F-00253
35354-74-6 3′,5-Di(2-propenyl)-2,4′-biphenyldiol, D-00522
35373-59-2 1,2-Diphenylethylamine; (±)-*form*, *in* D-00492
35373-71-8 Ortetamine; (±)-*form*, *in* O-00065
35410-30-1 Mazipredone; B,2HCl, *in* M-00030
35413-63-9 Streptovaricin E, *in* S-00163
35423-09-7 Tesimide, T-00099
35423-51-9 Tisocromide, T-00324
35425-83-3 ▷Quinuclium bromide, *in* M-00278
35445-50-2 Ciprafamide; (1α,2α,3β)-*form*, B,HCl, *in* C-00385
35449-36-6 2,2,9,9-Tetramethyl-1,10-decanediol, T-00146
35452-73-4 Ciprafamide; (1α,2α,3β)-*form*, *in* C-00385
35455-20-0 2-Amino-2-fluoropropanoic acid; (*R*)-*form*, *in* A-00258
35455-21-1 2-Amino-2-fluoropropanoic acid; (*S*)-*form*, *in* A-00258
35457-80-8 ▷Platenomycin B_1, P-00371
35458-35-6 3-Chloro-6-hydroxy-4-methylbenzoic acid, C-00245
35480-25-2 2-Hydroxybenzyl alcohol; 2-Me ether, Ac, *in* H-00116
35495-11-5 ▷Dienestrol; (*Z*,*Z*)-*form*, *in* D-00223
35512-45-9 Streptovaricin *Fc*, *in* S-00163
35515-77-6 Truxipicurium iodide, *in* T-00563
35523-45-6 Fludalanine, *in* A-00258
35531-88-5 Carindacillin, C-00077
35543-24-9 ▷Bufedil, *in* P-00598
35554-44-0 ▷Imazalil, I-00025
35556-22-0 Biclofibrate; (±)-*form*, B,HCl, *in* B-00154
35568-37-7 4-Amino-3-phenylbutanoic acid; (±)-*form*, *in* A-00303
35578-20-2 Oxarbazole, O-00093
35604-67-2 ▷Viloxazine hydrochloride, *in* V-00029
35607-20-6 Avridine, A-00488
35607-36-4 ▷Difenoxin; B,HCl, *in* D-00265
35607-66-0 ▷Cefoxitin, C-00141
35609-19-9 Biclofibrate; (+)-*form*, B,HCl, *in* B-00154
35615-72-6 Rimazolium(1+), R-00055
35619-65-9 ▷Tritiozine, T-00540
35620-65-6 Pirdonium(1+); (±)-*form*, Iodide, *in* P-00317
35620-67-8 Pirdonium bromide, *in* P-00317
35672-52-7 4-Benzylphenetole, *in* B-00127
35700-21-1 Carboprost methyl, *in* C-00062
35700-23-3 ▷Carboprost, C-00062
35700-27-7 ▷11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*S*)-*form*, *in* D-00334
35703-32-3 Cinametic acid, C-00353
35710-57-7 Trizoxime, T-00543
35727-72-1 ▷Ontianil, O-00050
35747-64-9 Cloguanamil; Ethanesulphonate (1:1), *in* C-00464
35750-41-5 4,8,12-Trimethyl-3,7,11-tridecatrienoic acid; Et ester, *in* T-00513
35752-46-6 Ethyl dihydroxyphosphinylacetate, *in* P-00215
35763-26-9 Salbutamol; (±)-*form*, *in* S-00012
35764-73-9 ▷Fluotracen; (9*RS*,10*SR*)-*form*, *in* F-00192
35775-82-7 Maridomycin III, M-00023
35775-84-9 Maridomycin propionate, *in* M-00023
35795-16-5 Trimazosin, T-00490
35795-17-6 Trimazosin hydrochloride, *in* T-00490
35812-01-2 Saccharin; *N*-Br, *in* S-00002
35827-52-2 Mannitol; D-*form*, 2,3:4,5-Di-*O*-benzylidene, *in* M-00018
35834-26-5 ▷Rosamicin, R-00092
35838-58-5 Etazolate hydrochloride, *in* E-00143
35838-63-2 Clocoumarol, C-00445
35843-07-3 Morocromen, M-00445
35846-53-8 ▷Maytansine, M-00026
35882-30-5 5-Spirostene-1,3-diol; (1β,3β,25*S*)-*form*, *in* S-00128
35898-87-4 Dilazep, D-00370
35933-63-2 Narcotine; (1*RS*,9*RS*)-*form*, *in* N-00052
35933-64-3 Narcotine; (1*S*,9*R*)-*form*, *in* N-00052
35941-65-2 ▷Butriptyline; (±)-*form*, *in* B-00424
35941-71-0 ▷Tiaramide hydrochloride, *in* T-00245
35943-35-2 Triciribine, T-00445
35944-74-2 ▷Hypnodil, *in* M-00331
35991-93-6 ▷Bradyl, *in* N-00007
36002-19-4 Covalan, *in* F-00237
36011-19-5 ▷Cytochalasin *E*, C-00661
36067-56-8 Datiscoside, D-00018
36067-73-9 Azepexole, A-00516
36084-18-1 ▷Cytochalasin *F*, C-00662
36085-73-1 B-TH 920, *in* T-00009

36093-47-7 Salantel, S-00006
36104-80-0 ▷Camazepam, C-00019
36119-03-6 Riboflavine 2′,3′-di-3-pyridinecarboxylate monodehydrogen phosphate (ester), *in* R-00038
36121-13-8 Burodiline, B-00376
36141-82-9 Diamphenethide, D-00141
36148-38-6 ▷4-Benzyl-3-butylamino-5-sulfamoylbenzoic acid, B-00108
36150-00-2 ▷11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid; (5*E*,8*R*,11*R*,12*R*,13*E*,15*S*)-*form*, *in* D-00339
36150-01-3 9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*E*,8*R*,9*S*,11*R*,12*S*,13*E*,15*S*)-*form*, *in* T-00483
36150-02-4 9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*E*,8*R*,9*R*,11*R*,12*S*,13*E*,15*S*)-*form*, *in* T-00483
36167-63-2 ▷Halofantrine hydrochloride, *in* H-00007
36175-06-1 Picofosforic acid, *in* B-00221
36194-82-8 5-Bromo-2-hydroxy-3-methylbenzoic acid, B-00302
36199-78-7 Guafecainol, G-00090
36210-00-1 11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*S*)-*form*, Me ester, *in* D-00334
36282-47-0 Tramadol hydrochloride, *in* D-00416
36292-69-0 Ketazocine, K-00011
36304-84-4 ▷At 17, *in* D-00379
36309-01-0 Dimemorfan, D-00379
36322-90-4 ▷Piroxicam, P-00351
36323-03-2 15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid; (5*Z*,8*R*,12*S*,13*E*,15*S*)-*form*, 15-Ac, *in* H-00187
36330-85-5 ▷4-(4-Biphenylyl)-4-oxobutanoic acid, B-00181
36342-92-4 Desclidium, *in* Q-00026
36364-49-5 Imidazole salicylate, *in* H-00112
36441-41-5 ▷Lividomycin *A*, L-00062
36471-39-3 Nuclotixene, N-00231
36478-07-6 Tretoquinol; (*R*)-*form*, *in* T-00418
36504-64-0 Nictindole, N-00107
36504-93-5 Butaclamol; (3*RS*,4aα,13bβ)-*form*, *in* B-00382
36504-94-6 Butaclamol; (3*RS*,4aα,13bβ)-*form*, B,HCl, *in* B-00382
36505-82-5 ▷Prodolic acid, P-00461
36505-83-6 Dectaflur, *in* O-00011
36505-84-7 ▷Buspirone, B-00378
36508-71-1 ▷Zorubicin hydrochloride, *in* D-00019
36518-02-2 Diproqualone, D-00526
36531-26-7 Oxantel, O-00087
36557-27-4 Methoprene, M-00189
36573-63-4 ▷Asclepin, *in* G-00079
36597-51-0 Gomphoside, G-00079
36616-52-1 ▷Fenclorac, F-00042
36616-54-3 Fenbrac, *in* F-00042
36622-40-9 Gallopamil; (−)-*form*, *in* G-00006
36637-18-0 ▷Etidocaine; (±)-*form*, *in* E-00234
36637-19-1 W 19053, *in* E-00234
36637-22-6 Drocinonide, D-00604
36653-54-0 Fazadinium(2+), F-00019
36697-71-9 2,2′-(1,2-Ethanediyldiimino)bis(1-butanol); (*RS*,*RS*)-*form*, *in* E-00148
36702-83-7 Tinofedrine, T-00295
36703-88-5 ▷Inosine pranobex, *in* I-00073
36730-68-4 5,7-Dihydroxy-4′-methoxyflavone; 7-β-D-Glucurono-β(1→2)-D-glucuronide, *in* D-00329
36735-22-5 ▷Quazepam, Q-00004
36740-73-5 4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, B-00229
36771-92-3 Aspartame; L-L-*form*, B,HBr, *in* A-00460
36791-04-5 ▷Tribavirin, T-00426
36798-79-5 ▷Budralazine, B-00346
36804-75-8 K 4423, *in* I-00202
36804-95-2 Deoxyharringtonine, *in* H-00022
36822-11-4 6-Phenyl-2-thiouracil, P-00209
36879-87-5 4-(5-Cyclohexyl-2,4-dimethoxyphenyl)-4-oxobutanoic acid, C-00606
36889-15-3 ▷Gentamicin *B*, G-00017
36894-69-6 ▷Labetalol, L-00001
36902-82-6 Pargolol; (±)-*form*, B,HCl, *in* P-00036
36913-04-9 1-Phenyl-2-propylamine; (*S*)-*form*, *N*,*N*-Di-Me; B,HCl, *in* P-00202
36913-17-4 3′-Amino-3′-deoxyadenosine; 3′*N*-Ac, 3′*N*-Me, 2′,5′-di-Ac, 6*N*-benzoyl, *in* A-00234
36920-48-6 Cephoxazole, C-00179
36945-03-6 Lergotrile, L-00026
36950-96-6 2-(2-Fluorenyl)propanoic acid, F-00179
36980-34-4 Glicaramide, G-00035
36983-69-4 Actodigin; (3β,5β,14β)-*form*, *in* A-00059
36983-81-0 Fosfonet sodium, *in* P-00215
37000-20-7 Zinterol, Z-00022
37025-55-1 Carbetocin, C-00048
37063-35-7 Adenosine; 2′,3′-Cyclic monophosphate, Na salt, *in* A-00067
37065-29-5 ▷Miloxacin, M-00377
37076-68-9 ▷Tegafur; (*R*)-*form*, *in* T-00055
37087-94-8 ▷Tibric acid; *cis*-*form*, *in* T-00252
37091-65-9 Azlocillin sodium, *in* A-00529
37091-66-0 Azlocillin, A-00529
37106-97-1 ▷Bentiromide; (*S*)-*form*, *in* B-00069
37110-85-3 Xylose; β-D-*Furanose*-*form*, *in* X-00024
37115-32-5 Adinazolam, A-00071
37115-43-8 8-Chloro-6-phenyl-4*H*-[1,2,4]triazolo[4,3-*a*][1,4]-benzodiazepine-1-methanol, *in* A-00150
37132-72-2 ▷Fotrin, F-00262
37134-80-8 Dopastin; (*S*,*E*)-*form*, *in* D-00580
37138-77-5 Pantothenic acid; (*S*)-*form*, *in* P-00016
37139-68-7 Rigelocan, *in* P-00427
37148-27-9 Clenbuterol, C-00419
37209-30-6 ▷Citromycin, *in* C-00404
37209-31-7 ▷Detralfate, D-00109
37270-89-6 ▷Calciparin, *in* H-00026
37280-35-6 ▷Capreomycin; Capreomycin I*A*, *in* C-00031
37287-41-5 Theophylline calcium salicylate, *in* T-00169
37296-80-3 Colestipol hydrochloride, *in* D-00245
37312-62-2 ▷Serrapeptase, S-00050
37321-09-8 ▷Apramycin, A-00428
37326-33-3 Hyalosidase, H-00091
37340-82-2 Streptodornase, S-00159
37350-58-6 ▷Metoprolol, M-00334
37377-93-8 Lipotropin, L-00054
37388-05-9 2-Phenylcyclopropylamine; (1*R*,2*S*)-*form*, B,HCl, *in* P-00186
37394-31-3 Terbutaline; (−)-*form*, *in* T-00084
37398-31-5 Dilmefone, D-00371
37414-03-2 19-Iodocholest-5-en-3-ol, I-00102
37456-21-6 Terbucromil, T-00082
37470-13-6 2,2′-[(4-Oxo-2-phenyl-4*H*-1-benzopyran-5,7-diyl)-bis(oxy)bis(acetic acid), *in* D-00326
37517-26-3 Pipotiazine palmitate, *in* P-00302
37517-28-5 ▷Amikacin, A-00196
37517-30-9 ▷Acebutolol; (±)-*form*, *in* A-00006
37517-33-2 Esproquine, E-00124
37529-08-1 Mexoprofen, M-00354
37554-40-8 Fluquazone, F-00213
37561-27-6 Fenoverine, F-00065
37571-84-9 Amidephrine; (±)-*form*, *in* A-00191
37577-07-4 2-Amino-1-phenyl-1-propanol; (1*R*,2*R*)-*form*, *in* A-00308
37577-22-3 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (*R*)-*form*, *in* M-00312
37577-24-5 ▷Fenfluramine; (*R*)-*form*, *in* F-00050
37577-28-9 2-Amino-1-phenyl-1-propanol; (1*S*,2*R*)-*form*, *in* A-00308
37612-13-8 Encainide, E-00044
37634-50-7 Propranolol dibudinate, *in* P-00514
37640-71-4 Aprindine, A-00429
37647-52-2 Wy 23409, *in* C-00326
37661-08-8 ▷Bacampicillin hydrochloride, *in* B-00001
37669-57-1 Arfendazam, A-00439
37681-00-8 Coumazoline, C-00556
37686-84-3 Terguride, T-00090
37687-33-5 Ellipticine N^2-oxide, *in* E-00027
37693-01-9 Clofoctol, C-00461
37717-21-8 ▷Flurocitabine, F-00219

37723-78-7 ▷Iopronic acid, I-00132
37750-83-7 Rimoprogin, R-00059
37751-39-6 Ciclazindol, C-00326
37753-10-9 ▷Sufosfamide, S-00178
37762-06-4 Zaprinast, Z-00006
37795-09-8 L 5818, *in* C-00556
37800-79-6 Difenoximide hydrochloride, *in* D-00264
37816-49-2 Toprilidine; B,HCl, *in* T-00383
37839-81-9 Cyclic AMP; Na salt, *in* C-00591
37855-80-4 Iprocrolol, I-00159
37855-81-5 ▷Iprocrolol hydrochloride, *in* I-00159
37855-92-8 Azanator, A-00501
37863-70-0 Iosumetic acid, I-00138
37891-66-0 Chloroalbofungin, *in* A-00100
37895-35-5 ▷Albofungin, A-00100
37936-89-3 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (*S*)-*form*, B,HCl, *in* M-00312
37952-93-5 Saccharin; Benzoyl, *in* S-00002
37967-98-9 Tienopramine, T-00261
37967-99-0 Tienopramine; Fumarate, *in* T-00261
37969-58-7 FR 1949, *in* C-00454
38029-10-6 ▷Pirbuterol hydrochloride, *in* P-00316
38030-57-8 4-Oxoretinoic acid, *in* R-00033
38034-17-2 Trixolane; Maleate, *in* T-00542
38064-07-2 Phenylcarbamic acid hydroxyphenyl ester, *in* P-00161
38070-41-6 Tiodonium chloride, *in* C-00274
38070-42-7 (4-Chlorophenyl)-2-thienyliodonium; Bromide, *in* C-00274
38081-67-3 1-(1-Adamantyl)-2-azetidinecarboxylic acid, A-00062
38083-17-9 Climbazole, C-00427
38103-61-6 Tolamolol, T-00343
38129-37-2 ▷Bicyclomycin, B-00158
38145-93-6 Mannitol; D-*form*, 1,2:3,4-Di-*O*-isopropylidene, *in* M-00018
38146-43-9 BS 7020, *in* D-00087
38157-17-4 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*R*,2*S*)-*form*, *in* T-00118
38157-19-6 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*R*,2*R*)-*form*, *in* T-00118
38157-20-9 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*R*,2*R*)-*form*, Me ester, *in* T-00118
38165-75-2 1,8-Dihydroxyanthrone; Di-Ac, *in* D-00310
38194-50-2 ▷Sulindac; (*Z*)-*form*, *in* S-00225
38196-44-0 Betamethasone divalerate, *in* B-00141
38234-21-8 Fertirelin, F-00096
38241-28-0 Zinterol hydrochloride, *in* Z-00022
38241-39-3 Tazolol hydrochloride, *in* T-00044
38260-01-4 Trientine hydrochloride, *in* T-00457
38274-54-3 Benurestat, B-00070
38285-26-6 Vephylline, V-00016
38304-91-5 ▷Minoxidil, M-00388
38310-90-6 11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid; (5*Z*,8*R*,11*S*,12*R*,13*E*,15*S*)-*form*, *in* D-00339
38324-29-7 Meclocycline; B,HCl, *in* M-00044
38325-02-9 Glaucine; (*R*)-*form*, *in* G-00028
38349-38-1 Metrafazoline, M-00339
38363-32-5 ▷Penbutolol sulfate, *in* P-00059
38363-40-5 ▷Penbutolol; (*S*)-*form*, *in* P-00059
38373-83-0 Romifenone, R-00081
38396-39-3 Bupivacaine; (±)-*form*, *in* B-00368
38404-99-8 Filipin IV, *in* F-00106
38432-87-0 9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*Z*,8*R*,9*S*,11*S*,12*S*,13*E*,15*S*)-*form*, *in* T-00483
38452-29-8 (4,5-Dimethoxy-2-methylphenyl) methyl sulfoxide, D-00398
38562-01-5 ▷Dinoprost trometamol, *in* T-00483
38620-77-8 Filipin; Filipin II, *in* F-00106
38647-79-9 Urefibrate, U-00014
38668-01-8 Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide, T-00134
38677-81-5 ▷Pirbuterol, P-00316
38677-85-9 Flunixin, F-00169
38723-93-2 Filipin; Filipin I, *in* F-00106
38748-32-2 ▷Triptolide, T-00530
38752-29-3 Pepstatins; Pepstatin *B*, *in* P-00109
38752-30-6 Pepstatins; Pepstatin *C*, *in* P-00109
38769-07-2 Fangchinoline; (±)-*form*, *in* F-00017
38769-09-4 Tetrandrine; (+)-*form*, N^2-Chloromethyl, chloride, *in* T-00152
38821-52-2 Indoramin hydrochloride, *in* I-00069
38821-53-3 ▷Cephradine, C-00180
38821-80-6 Rodocaine, R-00072
38873-55-1 ▷γ-Oxo-2-dibenzofuranbutanoic acid, O-00127
38874-44-1 6-Dimethylamino-8-azaadenosine, D-00404
38943-33-8 Deoxypodophyllic acid, D-00083
38955-22-5 Pinadoline, P-00265
38957-41-4 ▷Emorfazone, E-00040
38965-69-4 ▷Xanthocillin Y_1, *in* X-00005
38965-70-7 ▷Xanthocillin Y_2, *in* X-00005
38966-21-1 ▷Aphidicolin, A-00422
38971-41-4 Ophiopogonin B, *in* S-00128
38971-84-5 7-(3-Carboxybutoxy)coumarin, *in* H-00114
38990-16-8 Vincamine; (−)-*form*, *in* V-00033
38997-09-0 Maytanprine, *in* M-00026
38997-10-3 Maytanbutine, *in* M-00026
39007-81-3 Prednisone palmitate, *in* P-00413
39011-90-0 Albiflorin, A-00097
39022-39-4 Oxaprotiline hydrochloride, *in* O-00092
39026-39-6 Dexamethasone linoleate, *in* D-00111
39026-92-1 9-Methoxycamptothecin, *in* C-00024
39037-90-6 Febrifugine; (±)-*form*, *in* F-00023
39051-50-8 2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b*,*e*]azepine, C-00234
39087-48-4 Calcium clofibrate, *in* C-00456
39099-98-4 Cinamolol, C-00354
39110-57-1 Methyl 3,4,6-tri-*O*-acetyl-2-deoxy-2-fluoro-β-D-glucopyranoside, *in* D-00078
39122-18-4 3-Ethyl-3-methyl-2,5-pyrrolidinedione; (±)-*form*, *in* E-00207
39122-19-5 3-Ethyl-3-methyl-2,5-pyrrolidinedione; (*S*)-*form*, *in* E-00207
39122-20-8 3-Ethyl-3-methyl-2,5-pyrrolidinedione; (*R*)-*form*, *in* E-00207
39123-11-0 Pituxate, P-00361
39125-64-9 Etoformin; B,HNO_3, *in* E-00251
39133-31-8 Trimebutine, T-00491
39178-37-5 Inicarone, I-00071
39186-49-7 Pirolazamide, P-00348
39219-28-8 Promestriene, P-00477
39219-61-9 11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*R*)-*form*, Me ester, *in* D-00334
39224-48-1 Nitroclofene, N-00174
39245-23-3 Clocinizine; B,2HCl, *in* C-00443
39273-61-5 1-(2,4-Dihydroxyphenyl)-3-phenyl-2-propen-1-one; 4′-Me ether, *in* D-00347
39282-31-0 9,20-Dideoxo-9,20-dihydroxytylosin, *in* T-00578
39294-79-6 Seractide acetate, *in* S-00045
39315-52-1 Sodium dibunate, *in* D-00173
39365-87-2 Magnesium trisilicate, M-00011
39377-38-3 Gold sodium thiomalate, *in* M-00115
39379-15-2 Neurotensin, N-00080
39456-60-5 Immobilon, *in* E-00263
39492-01-8 Gabexate, G-00001
39516-21-7 Tiopropamine, T-00303
39535-80-3 3′,4′-Dideoxyribostamycin, *in* R-00040
39535-84-7 Ribostamycin; 3′,4′,5″-Trideoxy, *in* R-00040
39537-99-0 Micinicate, M-00362
39544-74-6 Benzotript, *in* T-00567
39552-01-7 ▷Befunolol, B-00027
39562-70-4 Nitrendipine, N-00172
39563-28-5 Cloranolol, C-00493
39567-20-9 Olpimedone, O-00040
39577-19-0 Picumast, P-00244
39577-20-3 BM 15100, *in* P-00244
39608-80-5 Pleurosine, *in* L-00037

39614-85-2 2-Methyl-3,5-dinitrobenzoic acid; Chloride, *in* M-00246
39624-65-2 Azanator maleate, *in* A-00501
39624-66-3 Trepipam maleate, *in* T-00412
39630-31-4 Tetrabenazine; Oxime, *in* T-00102
39633-62-0 Aclantate, A-00043
39640-15-8 Piberaline, P-00229
39685-31-9 Cefuracetime, C-00160
39698-78-7 ▷Saralasin acetate, *in* S-00023
39711-23-4 Pepstatins; Pepstatin *D*, *in* P-00109
39711-23-4 Pepstatins; Pepstatin *E*, *in* P-00109
39715-02-1 Endralazine, E-00050
39718-89-3 Alminoprofen, A-00138
39729-45-8 Pepstatins; Pepstatin *G*, *in* P-00109
39731-05-0 Carpindolol; (±)-*form*, *in* C-00096
39746-25-3 ▷11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*R*)-*form*, *in* D-00324
39754-64-8 ▷Tifemoxone, T-00263
39762-37-3 9,11,15-Trihydroxyprosta-5,13-dienoic acid; (5*Z*,8*RS*,9*SR*,11*RS*,12*SR*,13*E*,15*RS*)-*form*, *in* T-00483
39778-98-8 2-Phenylbenzazete, P-00177
39791-20-3 Nylestriol, N-00234
39809-25-1 9-(4-Hydroxy-3-hydroxymethyl-1-butyl)guanine, H-00138
39825-23-5 N^2,N^5-Diacetylornithine, *in* O-00059
39831-55-5 ▷Amikacin sulfate, *in* A-00196
39832-43-4 Tiprenolol hydrochloride, *in* T-00315
39832-48-9 Tazolol, T-00044
39841-98-0 Sulfamothepin; (±)-*form*, B,$MeSO_3H$, *in* S-00201
39842-19-8 Butamisole; (±)-*form*, B,HCl, *in* B-00387
39860-99-6 Pipothiazine, P-00302
39862-58-3 1,2,4-Triazino[5,6-*c*]quinoline, T-00424
39868-96-7 ▷Chlorobiocin, C-00221
39878-70-1 ▷Talampicillin hydrochloride, *in* T-00005
39890-14-7 ▷Spiroxepin; (±)-*form*, Maleate, *in* S-00133
39894-02-5 Ciltoprazine; B,HCl, *in* C-00348
39907-68-1 Dopamantine, D-00578
39909-61-0 Azidamfenicol; (1*RS*,2*RS*)-*form*, *in* A-00519
39918-02-0 11,15-Dihydroxy-9-oxo-5-prosten-13-ynoic acid; (5*Z*,11*R*,15*S*)-*form*, *in* D-00343
39923-41-6 ▷4-Hydroxy-3-(1-naphthyl)-2*H*-1-benzopyran-2-one, H-00180
39951-65-0 Lometraline, L-00079
39978-42-2 ▷Nifurzide, N-00137
39980-20-6 [(4-Nitrophenyl)methyl]phosphonic acid; Di-Me ester, *in* N-00185
39984-70-8 2-(5-Benzoyl-2-thienyl)propanoic acid; (±)-*form*, *in* B-00099
39986-53-3 Terbutaline; (−)-*form*, B,HBr, *in* T-00084
39986-54-4 Terbutaline; (+)-*form*, B,HBr, *in* T-00084
40004-69-1 2-Methyl-5-thiazolecarboxylic acid, M-00309
40016-88-4 Salazodimethoxine, S-00007
40034-42-2 Acrosoxacin, A-00051
40054-69-1 ▷Etizolam, E-00244
40112-23-0 Gossypol; (±)-*form*, *in* G-00082
40173-75-9 Tofetridine, T-00340
40180-04-9 ▷Tienilic acid, T-00258
40198-53-6 Tioxaprofen, T-00308
40242-27-1 Betamethasone adamantoate, *in* B-00141
40256-99-3 Flucetorex, F-00135
40264-04-8 2-Phenylcyclopentylamine; (1*RS*,2*RS*)-*form*, *in* P-00185
40391-99-9 Pamidronic acid, P-00009
40431-64-9 Ritalinic acid; (2*R*,2′*R*)-*form*, *in* R-00065
40449-96-5 Ethyl *O*-[*N*-(*p*-carboxyphenyl)carbamoyl]mycophenolate, E-00178
40507-23-1 Fluproquazone, F-00211
40507-78-6 Indanazoline, I-00050
40507-89-9 Indanazoline; Maleate, *in* I-00050
40520-25-0 Benzhexol; (*R*)-*form*, *in* B-00081
40554-85-6 Rosamicin; 2′,3-Di-Ac, *in* R-00092
40580-59-4 Guanadrel, G-00100
40594-09-0 Flucindole, F-00136
40594-10-3 Flucindole; (±)-*form*, B,HCl, *in* F-00136
40594-13-6 Flucindole; (+)-*form*, *in* F-00136
40596-69-8 ▷Methoprene; (±)(*E*,*E*)-*form*, *in* M-00189
40614-71-9 2-Acetamido-2,6-dideoxy-D-glucose, *in* A-00240
40621-60-1 Pepstatins; Pepstatin *F*, *in* P-00109
40626-29-7 2-Amino-1-phenyl-1-propanol; (1*S*,2*R*)-*form*, B,HCl, *in* A-00308
40665-49-4 McN 2840, *in* D-00229
40665-92-7 ▷Cloprostenol, C-00490
40666-16-8 Fluprostenol, F-00212
40680-75-9 ▷Piprofurol; (±)-*form*, Oxalate, *in* P-00309
40691-50-7 7-(Methylsulfinyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, M-00305
40692-37-3 Tisoquone, T-00325
40718-08-9 3,5-Dibromo-2-hydroxybenzonitrile, *in* D-00165
40759-33-9 ▷Nolinium bromide, *in* N-00199
40762-15-0 ▷Doxefazepam, D-00593
40773-57-7 1,2:5,6-Di-*O*-cyclohexylidene-*myo*-inositol, *in* I-00074
40785-97-5 7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid, A-00035
40819-93-0 Lorajmine hydrochloride, *in* A-00088
40828-44-2 Clazolimine, C-00412
40828-45-3 2-Imino-3-methyl-1-phenyl-4-imidazolidinone, I-00038
40828-46-4 ▷Suprofen, S-00274
40845-00-9 Ovandrotone, O-00071
40872-87-5 3-Amino-4-chlorobenzoic acid; Me ester, *in* A-00224
40910-00-7 Aminochlorthenoxycycline, A-00227
40912-71-8 5-Bromo-2-hydroxy-3-methylbenzoic acid; Me ester, *in* B-00302
40912-73-0 Brosotamide, *in* B-00302
40915-13-7 4-Ethoxy-2-hydroxy-*N*,*N*,*N*-trimethyl-4-oxo-1-butanaminium, *in* C-00084
40922-77-8 Josamycin propionate, *in* L-00033
40962-37-6 Methyl dihydroxyphosphinylacetate, *in* P-00215
40966-79-8 Sarpicillin, *in* H-00035
40980-52-7 Pseudomonic acid *A*; Me ester, *in* P-00552
40993-10-0 3,5-Dinitrobenzoic acid; Anhydride, *in* D-00468
41020-67-1 Mexrenoate potassium, *in* M-00355
41020-68-2 Mexrenoic acid, M-00355
41020-79-5 Dicirenone, D-00208
41078-02-8 3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002
41094-88-6 Tracazolate, T-00393
41100-52-1 3,5-Dimethyl-1-adamantanamine; B,HCl, *in* D-00402
41113-86-4 Bromoxanide, B-00323
41136-10-1 Propampicillin; Na salt, *in* P-00488
41144-17-6 α-[[(3-Cyclohexyl-1-methylpropyl)amino]methyl]-3-hydroxybenzyl alcohol, C-00619
41147-04-0 Xanoxate sodium, *in* I-00201
41152-17-4 ▷Morforex, M-00441
41208-07-5 ▷6,6′-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], M-00250
41294-56-8 Alfacalcidol, A-00109
41340-25-4 Etodolac, E-00245
41340-39-0 Impacarzine, I-00044
41342-54-5 Dihydroxyaluminum sodium carbonate, D-00307
41372-08-1 α-Methyldopa; (*S*)-*form*, *in* M-00249
41372-20-7 Apomorphine hydrochloride, *in* A-00425
41387-02-4 Lexofenac, L-00040
41444-62-6 Brochodine, *in* C-00525
41473-08-9 Iopronic acid; (±)-*form*, *in* I-00132
41473-09-0 Fenmetozole, F-00058
41510-23-0 Biriperone, B-00183
41538-52-7 α-Methyl-*m*-(trifluoromethyl)phenethylamine; (*R*)-*form*, B,HCl, *in* M-00312
41544-24-5 Viro Serol, *in* T-00545
41570-61-0 2-*tert*-Butylamino-1-(2-chlorophenyl)ethanol, B-00426
41575-94-4 ▷Carboplatin, C-00061
41598-07-6 ▷9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid; (5*Z*,9*S*,13*E*,15*S*)-*form*, *in* D-00338
41621-49-2 ▷Ciclopirox olamine, *in* C-00612
41628-51-7 1,2-Dihydro-9-methoxyellipticine, *in* M-00198

41628-52-8 1,2,3,4-Tetrahydro-9-methoxyellipticine, *in* M-00198
41658-78-0 4-Amino-6-methoxy-1-phenylpyridazinium(1+), A-00279
41663-50-7 Ethambutol methaniazide, *in* E-00148
41708-72-9 Tocainide, T-00332
41708-72-9 Citocard, *in* T-00332
41708-76-3 ▷Indicine N-oxide, *in* I-00057
41716-84-1 DIV 154, *in* B-00028
41717-30-0 Befuraline, B-00028
41729-52-6 ▷Dezaguanine, D-00115
41744-40-5 Sulbenicillin, S-00181
41753-55-3 Ophiopogonin D, *in* S-00128
41767-29-7 ▷Fluocortin butyl, *in* F-00174
41791-49-5 Lonaprofen, L-00084
41807-37-8 3-Ethyl-5-phenyl-2,4-imidazolidinedione; (*R*)-*form*, *in* E-00214
41807-75-4 Tioxacin; Et ester, *in* T-00306
41826-92-0 3-(2,4,5-Triethoxybenzoyl)propanoic acid, T-00456
41832-27-3 4,5,6,7-Tetrahydro-2*H*-indazol-3-amine, T-00119
41855-21-4 Pyrazomycin; α-D-*form*, *in* P-00566
41859-67-0 ▷Bezafibrate, B-00148
41891-94-5 Tiadenol nicotinate, *in* B-00217
41906-86-9 Nitrocefin, N-00173
41931-02-6 Clorotepine; (±)-*form*, *in* C-00501
41931-62-8 Oxyprothepin; (±)-*form*, Decanoyl, bis(hydrogen oxalate), *in* O-00162
41931-86-6 Oxyprothepin decanoate, *in* O-00162
41932-49-4 Clorotepine; (*S*)-*form*, *in* C-00501
41952-52-7 Cefcanel, C-00122
41958-67-2 Allylprodine; (3*RS*,4*SR*)-*form*, B,HCl, *in* A-00133
41958-68-3 Allylprodine; (3*RS*,4*RS*)-*form*, B,HCl, *in* A-00133
41964-07-2 5-(3-Methylphenoxy)-2(1*H*)-pyrimidinone, M-00284
41992-22-7 ▷Spirogermanium hydrochloride, *in* S-00123
41992-23-8 Spirogermanium, S-00123
41998-14-5 3-Methylbenzoic acid; Ph ester, *in* M-00230
42013-68-3 Allylprodine; (3*R*,4*S*)-*form*, B,HCl, *in* A-00133
42024-98-6 Mazaticol, M-00028
42041-17-8 Drupanol; (+)-*form*, *in* D-00617
42045-86-3 Mefentanyl, M-00065
42049-35-4 Thiocarbamic acid; *S*-Benzyl ester, *in* T-00196
42050-23-7 Nafetolol, N-00015
42050-24-8 Nafetolol; (±)-*form*, B,HCl, *in* N-00015
42055-15-2 3-Amino-1-propanol; *N*-Me, *in* A-00319
42057-22-7 ▷Baycipen, *in* M-00358
42061-52-9 ▷Pumitepa, P-00556
42110-58-7 Metioxate, M-00321
42116-76-7 ▷Carnidazole, C-00083
42116-77-8 2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]-imidazole; (+)-*form*, *in* T-00130
42138-12-5 Phenolphthalein; Mono-Me ether, *in* P-00162
42145-91-5 2-Amino-1-(3-hydroxyphenyl)ethanol; (±)-*form*, *N*-Et, O^3-(2,2-dimethylpropanoyl); B,HCl, *in* A-00272
42190-91-0 Pivampicillin probenate, *in* P-00362
42200-33-9 ▷Nadolol, N-00006
42228-92-2 Antibiotic AT 125; (α*S*,5*S*)-*form*, *in* A-00405
42239-60-1 Tilozepine, T-00278
42241-78-1 3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid; (*E*)-*form*, *in* B-00312
42242-66-0 3′,4′-Dideoxybutirosin *B*, *in* B-00408
42258-90-2 4-Thiazolidinecarboxylic acid; (*R*)-*form*, Me ester, *in* T-00183
42281-59-4 ▷Oxilorphan; (−)-*form*, *in* O-00114
42293-35-6 4-Aminobenzenesulfonic acid; *N*-Et, *in* A-00213
42293-72-1 Bencisteine, B-00040
42352-53-4 Rose Bengal Sodium, *in* T-00105
42399-41-7 Diltiazem; (2*S*,3*S*)-*form*, *in* D-00373
42400-22-6 Mannitol; D-*form*, 2,3:4,5-Di-*O*-methylene, 1,6-di-*O*-benzoyl, *in* M-00018
42408-78-6 Pirandamine hydropchloride, *in* P-00313
42408-79-7 Pirandamine, P-00313
42408-80-0 Tandamine, T-00025
42408-82-2 Butorphanol; (−)-*form*, *in* B-00417
42422-68-4 3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one; (3*S*,7*S*)-*form*, *in* D-00035
42429-20-9 2-Amino-2-phenylacetic acid; (*S*)-*form*, *N*-Ac, *in* A-00300
42438-73-3 Denpidazone, D-00075
42461-78-9 Sulfonterol hydrochloride, *in* S-00220
42461-79-0 Sulfonterol, S-00220
42461-84-7 Flunixin meglumine, *in* F-00169
42465-20-3 3-Acetyl-7-methoxy-2,4-dimethylquinoline, A-00037
42471-28-3 Nimustine, N-00151
42523-28-4 2,7-Dimethoxy-9-fluorenone, *in* D-00327
42523-29-5 2,7-Dihydroxy-9*H*-fluoren-9-one, D-00327
42540-40-9 ▷Cefamandole nafate, *in* C-00112
42581-41-9 ▷Theophylline nicotinamide, *in* T-00169
42583-55-1 ▷Carmetizide, C-00079
42597-57-9 Ronifibrate, R-00085
42607-55-6 9,11,15-Trihydroxyprost-13-enoic acid; (8*S*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* T-00484
42753-75-3 5-Amino-2-hydroxybenzoic acid; Me ester, *in* A-00266
42779-82-8 Clopirac, C-00487
42784-08-7 Phenacizol, P-00136
42787-61-1 2-Amino-1-phenyl-1-propanone; (±)-*form*, B,HCl, *in* A-00309
42792-26-7 Isosulpride, I-00213
42794-76-3 Midodrine; (±)-*form*, *in* M-00369
42834-66-2 α,9-Dioxo-9*H*-fluorene-2-acetaldehyde, D-00479
42835-25-6 Flumequine, F-00155
42839-36-1 ▷Calnegyt, *in* G-00111
42859-69-8 2-Acetamido-2,6-dideoxy-L-glucose, *in* A-00240
42863-81-0 ▷Lopirazepam, L-00088
42864-78-8 ▷Bevantolol hydrochloride, *in* B-00146
42877-18-9 Pelanserin hydrochloride, *in* P-00052
42879-47-0 Pranolium chloride, *in* P-00399
42882-28-0 1,2-Diphenylethylamine; (±)-*form*, *N*-Me, *in* D-00492
42882-96-2 Chlorpheniramine; (±)-*form*, *in* C-00292
42924-53-8 4-(6-Methoxy-2-naphthalenyl)-2-butanone, M-00206
42935-17-1 9,11-Epidioxy-15-hydroxy-5,13-prostadienoic acid; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* E-00077
42971-09-5 ▷Vinpocetine, V-00042
43021-45-0 Dacuronium(2+), D-00003
43033-71-2 Noracymethadol; (α*S*,2′*S*)-*form*, *in* N-00207
43043-14-7 Bamicetin, *in* A-00187
43043-59-0 Abikoviromycin; B,H_2SO_4, *in* A-00002
43061-16-1 4-Bromo-2,5-dimethoxy-α-methylphenethylamine; (*S*)-*form*, *in* B-00298
43163-93-5 2-Amino-2-fluoropropanoic acid, A-00258
43169-50-2 Betamicin sulfate, *in* G-00017
43170-88-3 Methotrexate; (*S*)-*form*, Di-Et ester, *in* M-00192
43200-80-2 ▷Zopiclone, Z-00037
43210-67-9 ▷Fenbendazole, F-00037
43229-80-7 ▷Atock, *in* F-00247
45086-03-1 Etoformin, E-00251
45127-11-5 2,2′-Dithiobisethanesulfonic acid, D-00550
46116-61-4 4-[2-(Methylamino)propyl]phenol; (±)-*form*, *in* M-00222
46263-35-8 Nafomine, N-00019
46464-11-3 Meobentine, M-00093
46719-29-3 Terbutaline; (±)-*form*, *in* T-00084
46803-81-0 *N*-[2-(Diethylamino)ethyl]-2-hydroxybenzamide, D-00237
46817-91-8 ▷Viloxazine, V-00029
47029-84-5 Dazadrol, D-00022
47082-97-3 Pargolol, P-00036
47128-12-1 Cycliramine, C-00593
47135-88-6 Closiramine, C-00505
47141-42-4 Bunolol; (*S*)-*form*, *in* B-00365
47148-57-2 Timolol; (±)-*form*, *in* T-00288
47166-67-6 Octriptyline, O-00026
47206-15-5 Enprazepine, E-00065
47254-05-7 Spiroxepin, S-00133
47419-52-3 Proxibutene; (+)-*form*, *in* P-00547
47420-28-0 Trixolane, T-00542
47487-22-9 Acridorex, A-00048
47543-65-7 Prenoxdiazine, P-00422

47562-08-3 Lorajmine, *in* A-00088
47662-15-7 Suxemerid, S-00281
47682-41-7 Flupimazine, F-00203
47739-98-0 ▷Clocapramine, C-00441
47747-56-8 Talampicillin, T-00005
47806-92-8 Difenoximide, D-00264
47931-80-6 Octacosactrin, O-00006
47931-85-1 Salcatonin, S-00013
48115-38-4 2-Amino-1-phenyl-1-propanol, A-00308
48141-64-6 Etafedrine; (1*R*,2*S*)-*form*, *in* E-00133
49561-92-4 5,6-Dimethyl-2-nitro-1,3-indanedione, D-00436
49562-28-9 ▷Fenofibrate, *in* F-00062
49564-56-9 ▷Fazadinium bromide, *in* F-00019
49566-00-9 Tiopropamine; B,HCl, *in* T-00303
49570-65-2 Isomethadol; α-(+)-*form*, B,HCl, *in* I-00192
49570-66-3 Isomethadol; β-(−)-*form*, B,HCl, *in* I-00192
49584-26-1 4-Cyanobenzenesulfonyl chloride, *in* S-00217
49637-08-3 ▷Nabitan hydrochloride, *in* N-00003
49669-76-3 ▷Megalomycin *A* 3^A^,4^A^-diacetate, *in* M-00070
49669-77-4 ▷Megalomycin *A* 3^A^-acetate 4^A^-propanoate, *in* M-00070
49675-78-7 5-Bromo-1*H*-indole-2,3-dione; 3-Oxime, *in* B-00305
49681-39-2 1,2-Diphenylethylamine; (*R*)-*form*, *N*-Me, *in* D-00492
49681-82-5 1-Phenyl-2-propylamine; (±)-*form*, *N*,*N*-Di-Me, *in* P-00202
49697-38-3 Rimexolone, R-00057
49745-00-8 ▷Amidantel, A-00190
49755-67-1 Ioglicic acid, I-00111
49755-88-6 Ioseric acid; (±)-*form*, *in* I-00135
49761-17-3 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*RS*,4*RS*)-*form*, *in* H-00210
49763-96-4 ▷Stiripentol, S-00157
49780-09-8 Azaftozine; (±)-*form*, B,2HCl, *in* A-00497
49780-10-1 ▷Azaclorzine hydrochloride, *in* A-00493
49785-74-2 Supidimide, S-00272
49820-29-3 Butamisole, B-00387
49842-07-1 ▷Nebcin, *in* N-00059
49847-97-4 Prorenoate potassium, *in* P-00524
49848-01-3 Prorenoate; (6α,7α,17α)-*form*, *in* P-00524
49864-70-2 Azaclorzine, A-00493
50264-69-2 ▷Lonidamine, L-00086
50264-78-3 ▷Xinidamine, X-00016
50270-32-1 ▷Bufezolac, *in* D-00515
50270-33-2 ▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
50298-88-9 Apo-14,15-dehydrovincamine, *in* A-00426
50306-01-9 Clenbuterol; (±)-*form*, *in* C-00419
50306-03-1 Clenbuterol; (−)-*form*, *in* C-00419
50310-83-3 Clenbuterol; (+)-*form*, B,HCl, *in* C-00419
50310-85-5 Clenbuterol; (−)-*form*, B,HCl, *in* C-00419
50321-35-2 Novartrina, *in* M-00439
50335-55-2 ▷Mezilamine, M-00357
50357-46-5 Hexamidine; B,2HCl, *in* H-00058
50366-32-0 Flunamine, F-00164
50370-12-2 ▷Cefadroxil, C-00110
50370-54-2 Troparil; (1*R*,2*S*,3*S*)-*form*, *in* T-00549
50372-80-0 Troparil; (1*R*,2*R*,3*S*)-*form*, *in* T-00549
50372-81-1 Troparil; (1*R*,2*S*,3*S*)-*form*, B,HCl, *in* T-00549
50376-81-3 Flunamine; Maleate, *in* F-00164
50376-83-5 Halonamine; (±)-*form*, Maleate, *in* H-00011
50432-78-5 Pemerid, P-00057
50435-25-1 Nimidane, N-00148
50454-68-7 ▷Tolnidamine, T-00356
50465-39-9 ▷Tocofibrate, T-00334
50499-60-0 Clenbuterol; (+)-*form*, *in* C-00419
50505-93-6 4-Bromo-2,5-dimethoxy-α-methylphenethylamine; (*S*)-*form*, B,HCl, *in* B-00298
50516-43-3 Nofecainide, N-00197
50528-97-7 ▷Xilobam, X-00014
50567-35-6 Dipyrone, D-00532
50583-06-7 Halonamine, H-00011
50588-47-1 3-Amino-2-hydroxyandrostan-17-one; (2β,3α,5α)-*form*, *in* A-00261
50597-63-2 KD 983, *in* D-00513
50597-65-4 *N*-(3,3-Diphenylpropyl)-*N'*-(1-methyl-2-phenylethyl)-1,3-propanediamine, D-00513
50622-01-0 Erythritol; 2,3-Di-*O*-benzoyl, *in* E-00114
50629-82-8 Halometasone, H-00010
50643-33-9 Pranolium(1+), P-00399
50655-18-0 Pepstatins; Pepstatin *BU*, *in* P-00109
50655-19-1 Pepstatins; Pepstatin *PR*, *in* P-00109
50656-76-3 Jatropham, J-00001
50656-93-4 L7810, *in* C-00324
50657-33-5 Colubrinol, *in* M-00026
50673-97-7 3-Hydroxy-8(14)-cholesten-15-one; (3β,5α)-*form*, *in* H-00121
50679-07-7 Cinepazet maleate, *in* C-00362
50679-08-8 ▷Terfenadine, T-00088
50692-78-9 Pantothenic acid; (*R*)-*form*, Me ester, *in* P-00016
50700-72-6 ▷Vecuronium bromide, *in* V-00014
50702-76-6 Enpiroline; (1*RS*,2*RS*)-*form*, B,HCl, *in* E-00064
50708-95-7 Tinabinol, T-00291
50709-38-1 Proheptazine; *cis*-*form*, *in* P-00469
50721-57-8 2,4,6(1*H*,3*H*,5*H*)-Pyrimidinetrione; *N*-Et, *in* P-00586
50733-99-8 4-Amino-*N*-(1-cyclohexyl-3-pyrrolidinyl)-*N*-methylbenzamide, A-00229
50743-79-8 Fluciprazine; B,2HCl, *in* F-00137
50789-30-5 5,5-Dimethoxypentanal, *in* P-00090
50801-44-0 Cortisuzol, C-00550
50807-69-7 Butorphanol; (±)-*form*, *in* B-00417
50835-37-5 2-Amino-1-phenylethanol; (±)-*form*, B,H_2SO_4, *in* A-00304
50838-36-3 ▷Tolciclate, T-00346
50840-91-0 Alozafone; B,HCl, *in* A-00145
50846-45-2 Bacmecillinam, B-00004
50847-11-5 Ibudilast, I-00006
50855-43-1 Hydroxymethoxybenzenesulfonic acid, H-00147
50865-01-5 ▷Protoporphyrin; Na salt, *in* P-00541
50867-38-4 Ipolearoside, I-00152
50892-23-4 ▷Pirinixic acid, P-00332
50894-67-2 Propampicillin, P-00488
50895-13-1 Allylprodine; (3*S*,4*R*)-*form*, B,HCl, *in* A-00133
50895-14-2 Allylprodine; (3*S*,4*S*)-*form*, B,HCl, *in* A-00133
50895-15-3 Allylprodine; (3*R*,4*R*)-*form*, B,HCl, *in* A-00133
50896-04-3 2-Cyclohexyl-2-hydroxy-2-phenylacetic acid; (±)-*form*, *in* C-00614
50898-63-0 Tinofedrine; B,HCl, *in* T-00295
50906-57-5 Rhodexin C, *in* T-00474
50906-58-6 Rhodexin B, *in* T-00474
50908-96-8 Dopamine 3-O-glucoside, *in* D-00579
50924-49-7 ▷Bredinin, B-00267
50925-79-6 Colestipol, *in* D-00245
50935-04-1 ▷Carminomycin I, C-00081
50935-71-2 ▷Mocimycin, M-00413
50972-17-3 Bacampicillin, B-00001
51012-32-9 Tiapride, T-00243
51018-28-1 2-Dimethylamino-1-phenyl-1-propanol; (1*S*,2*S*)-*form*, *in* D-00418
51019-46-6 Ajmaline; 2-Epimer, *in* A-00088
51022-69-6 ▷Amcinonide, A-00177
51022-70-9 ▷Albuterol sulfate, *in* S-00012
51022-71-0 ▷Nabilone, N-00002
51022-73-2 Zometapine, Z-00036
51022-74-3 ▷Iotroxic acid, I-00145
51022-75-4 Cliprofen, C-00431
51022-76-5 Sulnidazole, S-00229
51022-77-6 Etazolate, E-00143
51025-85-5 Habekacin, *in* D-00154
51037-30-0 ▷Acipimox, *in* M-00302
51037-88-8 Tuclazepam, T-00573
51047-24-6 Dimetipirium bromide, *in* D-00458
51047-93-9 47-210, *in* T-00155
51050-49-8 Win 10448, *in* Q-00029
51053-36-2 ▷Dermostatin; Dermostatin *A*, *in* D-00089
51089-21-5 Pyratrione, P-00559
51103-57-2 Aphidicolin; 17-Ac, *in* A-00422
51103-58-3 Sesquicillin, S-00055
51108-33-9 3,5-Diamino-1*H*-1,2,4-triazole; 3(5)-*N*,*N*-Di-Me, *in* D-00137
51110-01-1 ▷Somatostatin, S-00098
51131-85-2 ▷9-Hydroxyellipticine, *in* E-00027

51141-40-3 Dermostatin; Dermostatin *B*, *in* D-00089
51146-56-6 Ibuprofen; (*S*)-*form*, *in* I-00008
51146-57-7 Ibuprofen; (*R*)-*form*, *in* I-00008
51152-88-6 Mianserin; (*S*)-*form*, *in* M-00360
51152-91-1 Butaclamol; (3*R*,4aα,13bβ)-*form*, *in* B-00382
51154-48-4 Fibracillin, F-00102
51179-28-3 Vincamine teprosilate, *in* T-00170
51213-99-1 Clanfenur, C-00408
51222-36-7 Ciclafrine hydrochloride, *in* C-00325
51222-37-8 Iproxamine hydrochloride, *in* I-00164
51234-27-6 ▷Flunoxaprofen, F-00171
51234-28-7 ▷Benoxaprofen, B-00059
51241-99-7 ▷Taucorten, *in* T-00419
51261-87-1 4-Bromo-2,5-dimethoxy-α-methylphenethylamine; (±)-*form*, B,HCl, *in* B-00298
51264-14-3 ▷Amsacrine, A-00373
51274-83-0 ▷Tiamenidine hydrochloride, *in* T-00236
51307-73-4 4-Sulfobenzoic acid; 1-Me ester, *in* S-00217
51321-79-0 ▷Sparfosic acid; (*S*)-*form*, *in* S-00108
51322-75-9 Tizanidine, T-00330
51324-36-8 2,4,7-Triamino-6-phenylpteridine; 5,8-Dioxide, *in* T-00420
51333-22-3 Budesonide, B-00344
51354-31-5 ▷Nisterime acetate, *in* N-00161
51354-32-6 Nisterime, N-00161
51367-77-2 Florenal, *in* D-00479
51395-42-7 Butedronic acid, B-00397
51410-30-1 ▷Clarvisan, *in* P-00318
51410-30-1 ▷Pirfenoxone sodium, *in* P-00319
51411-04-2 ▷1,3-Dioxo-1*H*-benz[*de*]isoquinoline-2(3*H*)-acetic acid, D-00478
51424-33-0 ▷1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline; (*R*)-*form*, B,HCl, *in* T-00117
51464-80-3 Diethyl[bis(diethoxyphosphinyl)methyl]-butanedioate, *in* B-00397
51473-23-5 ▷Lergotrile mesylate, *in* L-00026
51481-61-9 ▷Cimetidine, C-00350
51481-62-0 Bucainide, B-00334
51481-63-1 Bucainide maleate, *in* B-00334
51481-64-2 Rosaramicin propionate, *in* R-00092
51481-65-3 ▷Mezlocillin, M-00358
51481-67-5 Octriptyline phosphate, *in* O-00026
51481-68-6 Megalomicin potassium phosphate, *in* M-00070
51484-40-3 ▷Diphenpyramide, D-00487
51484-46-9 Diphenpyramide; B,HCl, *in* D-00487
51489-69-1 Bemosat, *in* A-00029
51491-04-4 Oxilorphan; (±)-*form*, *in* O-00114
51493-19-7 Cinprazole, C-00381
51493-20-0 7110 MD, *in* C-00381
51497-09-7 Tenamfetamine; (±)-*form*, *in* T-00066
51527-19-6 Tianafac, T-00239
51527-85-6 3-Pyridinecarboxylic acid; B,HBr, *in* P-00571
51529-01-2 Flupentixol dihydrochloride, JAN, *in* F-00198
51543-39-6 Flurbiprofen; (*S*)-*form*, *in* F-00218
51545-09-6 Piperazine; *N*-Me; B,HCl, *in* P-00285
51547-64-9 Rosaramicin stearate, *in* R-00092
51550-74-4 Phenyramidol; (±)-*form*, *in* P-00211
51550-75-5 Phenyramidol hydrochloride, *in* P-00211
51552-68-2 7-Quinolinecarboxylic acid; Me ester, *in* Q-00030
51579-82-9 ▷(2-Amino-3-benzoylphenyl)acetic acid, A-00218
51591-38-9 2,3-Di-*O*-acetyltartaric acid, *in* T-00028
51598-60-8 Cimetropium bromide, *in* C-00351
51599-37-2 Coptin, *in* T-00343
51619-65-9 Derricidin, *in* D-00347
51627-14-6 ▷Cefatrizine, C-00117
51627-20-4 Cefaparole, C-00114
51704-09-7 Meprodine; (3*S*,4*R*)-*form*, B,HCl, *in* M-00105
51704-10-0 Meprodine; (3*R*,4*S*)-*form*, B,HCl, *in* M-00105
51724-57-3 Pepstatins; Pepsidin *A*, *in* P-00109
51740-76-2 Auluton, *in* A-00261
51743-60-3 Meprodine; (3*RS*,4*SR*)-*form*, B,HCl, *in* M-00105
51762-05-1 ▷Cefroxadine, C-00149
51773-92-3 ▷Mefloquine hydrochloride, *in* M-00068
51781-06-7 Carteolol, C-00102
51781-21-6 ▷Carteolol hydrochloride, JAN, *in* C-00102
51795-47-2 ▷Paromomycin II, *in* P-00039
51798-72-2 Insulin defalan; Bovine, *in* I-00078
51803-78-2 ▷Nimesulide, N-00146
51832-87-2 Picobenzide, P-00237
51876-97-2 Alrestatin sodium, *in* D-00478
51876-98-3 Gliamilide, G-00031
51876-99-4 Ioseric acid, I-00135
51899-01-5 Ocrase, O-00003
51909-61-6 ▷Antibiotic G 52, *in* S-00082
51934-76-0 Iomorinic acid, I-00123
51940-44-4 ▷Pipemidic acid, P-00278
51940-78-4 Zetidoline, Z-00010
51943-33-0 Helveticosol 3′,4′-dinitrate, *in* H-00053
51952-41-1 Gonadorelin hydrochloride, *in* L-00116
51953-26-5 Xanthine; 9*H*-*form*, *in* X-00002
51953-95-8 15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid; (13*E*,15*S*)-(±)-*form*, *in* H-00169
51982-36-6 9,11-Epidioxy-15-hydroperoxy-5,13-prostadienoic acid; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* E-00076
51987-65-6 Desglugastrin, D-00094
51994-23-1 2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate, M-00277
51997-43-4 Carazolol; (±)-*form*, B,HCl, *in* C-00038
52031-11-5 (1-Methyl-2-phenylethyl)hydrazine; (±)-*form*, *in* M-00289
52042-01-0 Elfazepam, E-00025
52042-24-7 Diproxadol, D-00528
52048-39-2 Cicloxolone disodium, *in* C-00337
52061-73-1 2,2-Dipropylpentanamide, *in* D-00525
52061-75-3 2,2-Dipropylpentanoic acid, D-00525
52061-78-6 2,2-Dipropylpentanoic acid; Chloride, *in* D-00525
52080-57-6 6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione; 6α-*form*, *in* C-00232
52090-24-1 2-Methyl-3,5-dinitrobenzoic acid; Me ester, *in* M-00246
52093-21-7 ▷Gentamicin *C*; Gentamicin C_{2b}, *in* G-00018
52109-93-0 Cyclodrine, C-00601
52110-55-1 ▷Mucidin; (*E*,*Z*,*E*)-*form*, *in* M-00469
52123-49-6 Cefazaflur sodium, *in* C-00118
52128-35-5 Trimetrexate, T-00514
52152-93-9 ▷Cefsulodin sodium, *in* C-00150
52153-43-2 3-(2-Methylphenoxy)-1,2-propanediol; (*R*)-*form*, *in* M-00283
52153-44-3 3-(2-Methylphenoxy)-1,2-propanediol; (*S*)-*form*, *in* M-00283
52156-73-7 5,5-Dimethyl-11-oxo-5*H*,11*H*-[2]benzopyrano[4,3-*g*]-[1]benzopyran-9-carboxylic acid, D-00440
52157-83-2 Mindoperone, M-00384
52157-91-2 Galosemide, G-00007
52174-94-4 5,7-Dichloro-8-hydroxyquinoline; *O*-Ac, *in* D-00190
52196-22-2 Ketotrexate, K-00021
52198-59-1 2-Hydroxyribostamycin, *in* R-00040
52198-87-5 ▷Phleomycin A_2, *in* B-00243
52212-02-9 Arduan, *in* P-00277
52214-84-3 ▷Ciprofibrate, C-00389
52223-83-3 KWD 2058, *in* T-00084
52223-87-7 KWD 2085, *in* T-00084
52230-62-3 Nandrolone caproate, *in* H-00185
52231-20-6 Cefrotil, C-00148
52232-67-4 Teriparatide, T-00091
52239-63-1 Thiethylperazine malate, *in* T-00189
52246-40-9 Idrolone, *in* F-00075
52247-86-6 Cicloxolone; *cis*-*form*, *in* C-00337
52248-05-2 2-Hydroxy-*myo*-ribostamycin, *in* R-00040
52249-32-8 5*H*-Dibenz[*b*,*f*]azepine; 5-*N*-Me, *in* D-00155
52259-65-1 Fagaronine, F-00009
52275-05-5 ▷1-*N*-Methylribostamycin, *in* R-00040
52275-61-3 Streptovaricin J, *in* S-00163
52279-57-9 Nandrolone hexyloxyphenylpropionate, *in* H-00185
52279-58-0 Metogest, M-00329
52279-59-1 ▷Moxnidazole, M-00467

52304-85-5 Lotucaine, L-00105
52329-53-0 Hydroxypepstatin A, *in* P-00109
52340-25-7 Dexclamol, D-00112
52340-46-2 ▷3-Chloro-1,2-propanediol; (±)-*form*, *in* C-00278
52365-63-6 Dipivefrin; (±)-*form*, *in* D-00518
52373-67-8 Propiram; (±)-*form*, *in* P-00505
52386-42-2 Ketotrexate sodium, *in* K-00021
52387-20-9 Lenigesial, *in* P-00512
52387-29-8 D-Glucononitrile, *in* G-00055
52389-27-2 Dexclamol hydrochloride, *in* D-00112
52391-89-6 ▷Flutemazepam, F-00226
52395-99-0 Belarizine, B-00029
52396-00-6 Belarizine; B,2HCl, *in* B-00029
52396-01-7 Belarizine; Phosphate, *in* B-00029
52403-19-7 Iproxamine, I-00164
52406-01-6 Uredofos, U-00013
52406-09-4 Diuredosan, D-00554
52430-65-6 Glisamuride, G-00044
52432-72-1 Oxeladin; Citrate (1:1), *in* O-00101
52439-07-3 Nystatin; Me ester, *in* N-00235
52443-21-7 Glucametacin, G-00052
52463-83-9 ▷Pinazepam, P-00268
52468-60-7 Flunarizine; (*E*)-*form*, *in* F-00165
52479-85-3 2,3,3′,4,4′,5′-Hexahydroxybenzophenone, H-00052
52485-79-7 ▷Buprenorphine, B-00370
52508-35-7 ▷Dikegulac sodium, *in* H-00070
52549-17-4 ▷Pranoprofen, P-00400
52555-04-1 Pimaricin; Me ester, *in* P-00253
52583-41-2 Antibiotic AT 125, A-00405
52617-35-3 Eriolangin, E-00108
52617-36-4 Eriolanin, E-00109
52618-67-4 Tioperidone, T-00301
52618-68-5 Tioperidone hydrochloride, *in* T-00301
52619-32-6 Betamethasone salicylate, *in* B-00141
52645-53-1 ▷Permethrin, P-00128
52658-53-4 JAV 852, *in* B-00051
52663-81-7 ▷Dobutamine hydrochloride, *in* D-00561
52663-86-2 Dimoxamine hydrochloride, *in* D-00461
52671-18-8 Dimidium(1+); Chloride, *in* D-00460
52691-87-9 1-Phenyl-2-propylamine; (*R*)-*form*, *N*,*N*-Di-Me, *in* P-00202
52699-48-6 Gonadorelin acetate, *in* L-00116
52702-51-9 Sputolysin, *in* D-00060
52712-76-2 Bunazosin; B,HCl, *in* B-00361
52718-49-7 Ethyl dehydrocholate, *in* D-00049
52730-45-7 Viloxazine; (*R*)-*form*, *in* V-00029
52730-46-8 Viloxazine; (*S*)-*form*, *in* V-00029
52742-40-2 Alimadol, A-00119
52742-41-3 *N*-Allyl-*N*-(3-methoxy-3,3-diphenylpropyl)-ammonium chloride, *in* A-00119
52744-22-6 8-Acetyl-7,8,9,10-tetrahydro-1,6,8,10,11-penta-hydroxy-5,12-naphthacenedione, *in* C-00081
52758-02-8 Benzaprinoxide, *in* C-00228
52760-38-0 ▷Butirosin BU 1975C$_1$, *in* B-00408
52760-47-1 Tametraline hydrochloride, *in* T-00021
52794-97-5 ▷Carubicin hydrochloride, *in* C-00081
52795-02-5 Tametraline, T-00021
52814-39-8 [(7-Hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-6-yl)-oxy]acetic acid, *in* D-00332
52829-30-8 Proflazepam, P-00464
52832-91-4 2-Amino-4,5-dihydro-4,4-dimethyloxazole, A-00243
52842-59-8 Dimoxamine; (*R*)-*form*, *in* D-00461
52867-74-0 Zoloperone, Z-00032
52867-77-3 Fluzoperine, F-00236
52867-78-4 Fluzoperine; Maleate, *in* F-00236
52906-84-0 Oxychlorosene sodium, *in* O-00148
52921-08-1 Hepastyl, *in* B-00140
52934-83-5 ▷Nanaomycin *A*, N-00036
52942-31-1 Etoperidone, E-00261
52978-27-5 Maytanvaline, *in* M-00026
52994-25-9 Glicondamide, G-00038
53003-10-4 ▷Salinomycin, S-00017
53003-81-9 Ivarimod, I-00224
53017-69-9 Ecipramidil; B,HCl, *in* E-00006
53034-85-8 Terbutaline diisobutyrate, *in* T-00084
53076-26-9 Moxaprindine, M-00459
53078-44-7 Caproxamine, C-00032
53078-45-8 DU 22550, *in* C-00032
53078-90-3 10-(Methylsulfonyl)decanenitrile, M-00307
53086-13-8 Indoprofen; (*S*)-*form*, *in* I-00068
53123-88-9 ▷Rapamycin, R-00013
53131-74-1 Ciapilome, C-00321
53152-21-9 ▷Buprenorphine hydrochloride, JAN, *in* B-00370
53164-05-9 ▷Acemetacin, A-00013
53179-07-0 Nisoxetine; (±)-*form*, *in* N-00160
53179-09-2 Sisomicin sulfate, JAN, *in* S-00082
53179-10-5 Fluperamide, F-00199
53179-11-6 Loperamide, L-00087
53179-12-7 Clopimozide, C-00485
53179-13-8 5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293
53185-10-7 Butirosin BU 1975C$_2$, *in* B-00408
53198-87-1 ▷Eurazyl, *in* B-00431
53214-57-6 ▷2-Methylamino-1-phenyl-1-propanol, M-00221
53226-74-7 Pepstatins; Pepstatin *H*, *in* P-00109
53226-75-8 Pepstatins; Pepstatin *I*, *in* P-00109
53230-10-7 Mefloquine; (1*RS*,2′*SR*)-*form*, *in* M-00068
53251-94-8 ▷Pinaverium bromide, *in* P-00267
53267-01-9 Cibenzoline, C-00322
53274-99-0 Pepstatins; Pepstatin *J*, *in* P-00109
53285-61-3 Permethol, *in* D-00332
53317-78-5 11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,8*R*,11*R*,12*S*,13*E*,15*S*)-*form*, Me ester, *in* D-00334
53317-79-6 11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,8*R*,11*R*,12*S*,13*E*,15*R*)-*form*, Me ester, *in* D-00334
53318-76-6 3′,4′-Dideoxybutirosin *A*, *in* B-00408
53341-49-4 Ponfibrate, *in* D-00192
53341-51-8 2,10-Dichloro-12-methyl-12*H*-dibenzo[*d*,*g*][1,3]-dioxocin-6-carboxylic acid; *trans*-*form*, *in* D-00192
53358-05-7 Methacholine(1+); (±)-*form*, Iodide, *in* M-00160
53361-23-2 2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]-imidazole, T-00130
53361-23-2 2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]-imidazole; (±)-*form*, *in* T-00130
53361-24-3 Imafen hydrochloride, *in* T-00130
53370-44-8 ▷Menadiol dibutyrate, *in* D-00333
53370-90-4 ▷2-(Hexyloxy)benzamide, H-00073
53394-92-6 2-(Aminomethylene)-1-indanone, A-00282
53403-97-7 ▷Pyridofylline, *in* P-00582
53409-75-9 Azanidazole, A-00502
53415-46-6 Fepitrizol, F-00083
53421-38-8 ▷Chinsedal, *in* H-00126
53449-58-4 Ciclonicate, *in* T-00506
53464-72-5 TMB 8, *in* D-00239
53498-76-3 Paphencyl, P-00021
53553-15-4 3-Amino-2-chlorobenzoic acid; Me ester; B,HCl, *in* A-00223
53581-53-6 ▷4-Bromo-2,5-dimethoxy-α-methylphenethylamine; (±)-*form*, B,HBr, *in* B-00298
53583-79-2 ▷Sultopride, S-00264
53597-26-5 Etoformin hydrochloride, *in* E-00251
53597-27-6 ▷Fendosal, F-00045
53597-28-7 Fludazonium chloride, *in* F-00143
53600-16-1 Oxabrexine; B,HCl, *in* O-00073
53607-71-9 2-Bromo-2-nitro-1,3-propanediol; Dipropanoyl, *in* B-00310
53608-96-1 17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, *in* H-00111
53611-16-8 2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)-cyclohexanol; (1*RS*,2*SR*)-*form*, B,HCl, *in* D-00416
53611-18-0 Allylprodine; (3*RS*,4*SR*)-*form*, *in* A-00133
53611-19-1 Allylprodine; (3*RS*,4*RS*)-*form*, *in* A-00133
53625-25-5 Nefopam; (*R*)-*form*, B, HCl, *in* N-00063
53625-86-8 Canforemetina, *in* E-00036
53636-15-0 1-Dimethylamino-2-propanol; (*S*)-*form*, *in* D-00419
53643-20-2 ▷2-Amino-1-phenyl-1-propanol; (1*R*,2*R*)-*form*, B,HCl, *in* A-00308

53643-48-4 ▷Vindesine, *in* V-00032
53648-05-8 Ibuproxam, I-00009
53648-55-8 Dezocine, D-00116
53657-16-2 1-Dimethylamino-2-propanol; (±)-*form*, *in* D-00419
53659-00-0 Mentis, *in* P-00336
53684-49-4 Bufetolol; (±)-*form*, *in* B-00349
53701-54-5 Methyl-13-epicobalamin, *in* M-00241
53714-56-0 ▷Leuprorelin, L-00035
53716-43-1 ▷Hydrocortisone bendazac, *in* C-00548
53716-44-2 Rociverine, R-00071
53716-45-3 Anilopam hydrochloride, *in* A-00391
53716-46-4 Anilopam; (−)-*form*, *in* A-00391
53716-47-5 Nexeridine hydrochloride, *in* D-00415
53716-48-6 Nexeridine, *in* D-00415
53716-49-7 ▷Carprofen; (±)-*form*, *in* C-00099
53716-50-0 ▷Oxfendazole, O-00108
53731-36-5 Floredil, F-00123
53734-79-5 ▷Incazane, *in* M-00340
53736-51-9 Cromitrile, C-00564
53736-51-9 Cromitrile; (±)-*form*, *in* C-00564
53736-52-0 Cromitrile sodium, *in* C-00564
53760-19-3 ▷Cytochalasin *H*, C-00664
53760-20-6 ▷Cytochalasin J, *in* C-00664
53772-82-0 Flupenthixol; (*Z*)-*form*, *in* F-00198
53772-83-1 Clopenthixol; (*Z*)-*form*, *in* C-00481
53772-85-3 Flupenthixol; (*E*)-*form*, *in* F-00198
53780-00-0 BRL 14342, *in* C-00417
53783-83-8 Tromantadine, T-00545
53797-35-6 ▷Ribostamycin sulfate, JAN, *in* R-00040
53808-87-0 ▷Tetroxoprim, T-00158
53808-88-1 Lonazolac, L-00085
53813-83-5 Suriclone, S-00278
53823-02-2 Onitin, O-00049
53823-08-8 Cascaroside A, *in* B-00013
53848-05-8 3,4,6,7-Tetrahydro-1-methyl-6-oxo-1*H*-pyrano[3,4-*c*]pyridine-5-carboxaldehyde, T-00124
53859-10-2 Indunox, *in* E-00246
53861-02-2 Oxetacillin, O-00104
53861-35-1 Cascaroside D, *in* B-00013
53861-54-4 Neomycin B glucoside, *in* N-00068
53862-78-5 Roxolonium(1+); Bromide, *in* R-00101
53862-80-9 Roxolonium metisulfate, *in* R-00101
53882-12-5 Lodoxamide, L-00071
53882-13-6 Lodoxamide ethyl, *in* L-00071
53885-35-1 ▷Ticlopidine hydrochloride, *in* T-00256
53902-12-8 ▷Tranilast, T-00397
53910-25-1 ▷Pentostatin, P-00105
53934-76-2 2-Oxo-1-pyrrolidineacetic acid, O-00139
53935-72-1 Tetrandrine; (+)-*form*, *N*-Me, chloride; B,HCl, *in* T-00152
53943-88-7 Letosteine, L-00028
53956-04-0 ▷Chiyorhizin *AN*, *in* G-00073
53966-34-0 Floxacrine, F-00127
53983-00-9 5-Bromo-2-methyl-5-nitro-1,3-dioxane, B-00308
53984-75-1 Tocainide; (*S*)-*form*, *in* T-00332
53984-76-2 Tocainide; (*S*)-*form*, B,HCl, *in* T-00332
53993-67-2 Flutiorex; (+)-*form*, *in* F-00228
53994-73-3 ▷Cefaclor, C-00109
54012-73-6 3-Aminopiperidine, A-00314
54022-49-0 ▷Vinformide, V-00039
54024-22-5 ▷Desogestrel, D-00099
54029-12-8 Albendazole oxide, *in* A-00096
54043-46-8 Terfluranol, T-00089
54063-23-9 Cinepazic acid, C-00362
54063-24-0 Amifloverine, A-00194
54063-25-1 Amiterol, A-00348
54063-26-2 Azaftozine, A-00497
54063-27-3 Biclofibrate, B-00154
54063-28-4 ▷Camiverine, C-00021
54063-29-5 Cicarperone, C-00324
54063-30-8 Ciltoprazine, C-00348
54063-31-9 Cismadinone, C-00398
54063-32-0 21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione, *in* C-00437
54063-33-1 Cloxestradiol, C-00518
54063-34-2 Cofisatin, *in* D-00049
54063-35-3 Dofamium chloride, *in* D-00569
54063-36-4 Etolorex, E-00254
54063-37-5 [1-[1-(Dimethylamino)ethyl]-1*H*-indol-3-yl]-1-propanone oxime, *in* D-00414
54063-38-6 ▷Fenaperone, F-00036
54063-39-7 Fenetradil, F-00048
54063-40-0 Fenoxedil, F-00067
54063-41-1 Fepromide, F-00085
54063-45-5 Fetoxylate, *in* D-00265
54063-46-6 Fexicaine, F-00097
54063-47-7 Gemazocine, G-00014
54063-48-8 Heptaverine, H-00031
54063-49-9 4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, A-00288
54063-51-3 Nadoxolol, N-00007
54063-52-4 Pitofenone, P-00359
54063-53-5 Propafenone, P-00486
54063-54-6 ▷Reproterol, R-00026
54063-55-7 Sulfaclorazole, S-00189
54063-56-8 Suloctidil, S-00231
54063-57-9 Suxethonium chloride, *in* S-00282
54063-58-0 Toprilidine, T-00383
54083-22-6 ▷Zorubicin, *in* D-00019
54096-77-4 Ciheptolane; (±)-*form*, Maleate, *in* C-00340
54110-24-6 3,3,5-Trimethylcyclohexanol; (1*RS*,5*SR*)-*form*, 3-Pyridinecarboxylate; B,HCl, *in* T-00506
54110-25-7 Pirozadil, P-00354
54118-66-0 Butinoline; Phosphate, *in* B-00407
54118-67-1 Diamyceline, *in* C-00211
54120-61-5 Prostalene, P-00529
54141-87-6 Cinfenine; (*E*)-*form*, *in* C-00364
54143-54-3 Sepazonium chloride, *in* S-00043
54143-55-4 Flecainide, F-00114
54143-56-5 Flecainide acetate, *in* F-00114
54143-57-6 Metoclopramide hydrochloride, *in* M-00327
54147-28-3 Tebatizole, T-00045
54187-04-1 Rilmenidine, R-00052
54188-38-4 Metralindole, M-00340
54192-66-4 Colchicine; (±)-*form*, *in* C-00534
54208-04-7 Dodecylidenetriphenylphosphorane, *in* D-00568
54239-37-1 Cimaterol; (±)-*form*, *in* C-00349
54240-36-7 KD 868, *in* M-00001
54249-57-9 Rilmenidine; Fumarate, *in* R-00052
54266-35-2 Terondit, *in* O-00050
54267-10-6 Prednisolone palmitate, *in* P-00412
54278-85-2 Chandonium iodide, *in* C-00188
54283-64-6 3-(2,4-Dimethoxyphenyl)-2-butenoic acid; (*Z*)-(?)-*form*, *in* D-00400
54283-65-7 Hepadial, *in* D-00400
54301-15-4 ▷Amsacrine; B,HCl, *in* A-00373
54301-16-5 Amsacrine; B,$MeSO_3H$, *in* A-00373
54302-42-0 Gossypol; (±)-*form*, 6-Me ether, *in* G-00082
54307-79-8 3,3,5-Trimethylcyclohexanol; (1*RS*,5*RS*)-*form*, *in* T-00506
54323-85-2 ▷Protizinic acid; (±)-*form*, *in* P-00539
54333-82-3 ▷Butirosin BU 1709E_1, *in* B-00408
54340-58-8 Meptazinol, M-00107
54340-59-9 Quincarbate, Q-00016
54340-60-2 ▷Brovan, *in* B-00330
54340-61-3 ▷Brovanexine, B-00330
54340-62-4 ▷Bufuralol, B-00352
54340-63-5 Clofeverine, C-00454
54340-64-6 Fluciprazine, F-00137
54340-65-7 Furbucillin, F-00287
54341-02-5 ▷Piflutixol, P-00248
54350-48-0 ▷Etretinate, *in* A-00041
54352-39-5 3,3,5-Trimethylcyclohexanol; (1*R*,5*R*)-*form*, *in* T-00506
54352-41-9 ▷3,3,5-Trimethylcyclohexanol; (1*S*,5*S*)-*form*, *in* T-00506
54376-91-9 Tipetropium bromide, *in* T-00312
54400-59-8 Butamisole; (*S*)-*form*, *in* B-00387
54400-62-3 Butamisole hydrochloride, *in* B-00387
54403-19-9 4-(5-Chloro-2-benzofuranyl)-1-methylpiperidine, C-00217
54403-20-2 Sercloremine hydrochloride, *in* C-00217

54419-31-7 Fenirofibrate; (±)-*form*, *in* F-00055
54472-61-6 2-Aminoethanol; *N*-Et; B,HCl, *in* A-00253
54496-44-5 Butamisole; (±)-*form*, *in* B-00387
54504-70-0 ▷Theofibrate, T-00168
54505-25-8 Etipirium(1+), E-00238
54526-94-2 ▷Steffimycin B, *in* S-00143
54527-84-3 ▷Nicardipine hydrochloride, *in* N-00088
54531-52-1 ▷Polybenzarsol, *in* H-00190
54533-85-6 Nizofenone, N-00193
54549-02-9 Antibiotic U 43795, *in* A-00405
54556-98-8 Propiverine; B,HCl, *in* P-00507
54571-66-3 5-Oxo-2-pyrrolidinecarboxylic acid; (±)-*form*, Me ester, *in* O-00140
54582-64-8 Serfibrate; (±)-*form*, *in* S-00046
54592-27-7 Terbutaline dipivalate, *in* T-00084
54594-49-9 5′-Deoxyadenosyl-13-epicobalamin, *in* C-00529
54599-07-4 3-Aminophenylarsonic acid; *N*-Ac, *in* A-00301
54605-45-7 ▷Iocarmate meglumine, *in* I-00093
54644-15-4 Carbantel lauryl sulfate, *in* C-00042
54657-96-4 Nifuralide, N-00117
54657-98-6 Serfibrate, S-00046
54661-82-4 Furbenicillin, F-00286
54663-47-7 ▷Tibezonium iodide, *in* T-00250
54680-46-5 2-Amino-1-phenyl-1-propanol; (1*RS*, 2*RS*)-*form*, *in* A-00308
54707-47-0 4(15),7(11)-Eudesmadien-8-one, E-00268
54739-18-3 Fluvoxamine; (*E*)-*form*, *in* F-00234
54739-19-4 ▷Clovoxamine, C-00513
54739-21-8 Clovoxamine; Fumarate (1:1), *in* C-00513
54767-75-8 ▷Suloctidil; (α*RS*,1′*SR*)-*form*, *in* S-00231
54772-83-7 Alafosfalin; $(R)_C(S)_P$-*form*, *in* A-00091
54779-58-7 2-Phenylcyclopropylamine; (1*RS*,2*RS*)-*form*, B,HCl, *in* P-00186
54785-02-3 Adamexine, A-00065
54785-58-9 Pipemidic acid; B,HCl, *in* P-00278
54788-43-1 Alafosfalin, A-00091
54809-13-1 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (±)-*form*, Iodide, *in* H-00217
54810-23-0 Loxitane *C*, *in* L-00106
54818-11-0 Cefsumide, C-00151
54824-17-8 ▷Mitonafide, M-00405
54824-20-3 Pinafide, P-00266
54825-04-6 2-Oxoferruginol, *in* F-00095
54867-56-0 Bufrolin, B-00351
54870-28-9 ▷Meglitinide, M-00071
54874-57-6 Cytochalasin *G*, C-00663
54910-89-3 Fluoxetine; (±)-*form*, *in* F-00194
54935-03-4 Sulisatin, S-00226
54951-46-1 3-(1-Chloro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, C-00228
54965-21-8 ▷Albendazole, A-00096
54965-22-9 Fluspiperone, F-00222
54965-24-1 ▷Tamoxifen citrate, *in* T-00023
55019-64-2 Benzilylcholine bromide, *in* M-00326
55028-70-1 ▷11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*R*)-*form*, *in* D-00334
55028-72-3 Cloprostenol sodium, *in* C-00490
55034-26-9 4-Aminobenzenesulfonic acid; Me ester, *in* A-00213
55050-95-8 Isamoltan, I-00175
55077-25-3 Aclatonium(1+), A-00044
55077-30-0 ▷Aclatonium napadisylate, *in* A-00044
55079-83-9 Acitretin, A-00041
55096-26-9 Nalmefene, N-00030
55096-75-8 Noracymethadol hydrochloride, *in* N-00207
55102-44-8 Bofumustine, B-00248
55103-30-5 Rosaramicin butyrate, *in* R-00092
55104-39-7 DL 071 IT, *in* A-00082
55107-60-3 Varsyl, *in* T-00292
55123-61-0 Noracymethadol; (α*RS*,2′*RS*)-*form*, *in* N-00207
55123-64-3 Noracymethadol; (α*RS*,2′*RS*)-*form*, B,HCl, *in* N-00207
55134-13-9 ▷Narasin *A*, N-00050
55142-85-3 Ticlopidine, T-00256
55149-05-8 Pirolate, P-00347
55150-67-9 3-Chloro-1-(1*H*-imidazol-1-yl)-4-phenylisoquinoline, C-00251
55165-22-5 Butocrolol, B-00411
55173-98-3 Byakangelicol, B-00436
55197-04-1 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (±)-*form*, *O*-Ac, iodide, *in* H-00217
55202-09-0 2-Amino-4,6-dibromophenol; *N*-Ac, *in* A-00239
55224-05-0 Davercin, *in* E-00115
55242-55-2 Propentofylline, P-00495
55242-74-5 Oxifungin hydrochloride, *in* O-00113
55242-77-8 3-Benzylpyrido[3,4-*e*]-1,2,4-triazine, B-00128
55247-89-7 Neoride, *in* S-00259
55248-23-2 Nebidrazine, N-00056
55249-27-9 1,9-Heptadecadiene-4,6-diyne-3,8-diol; (3*R*,8*S*,9*Z*)-*form*, 8-Ac, *in* H-00028
55268-74-1 ▷Praziquantel, P-00406
55268-75-2 ▷Cefuroxime, C-00161
55273-05-7 Impromidine, I-00046
55275-61-1 4-Methoxy-β-hydroxyphenethylamine, *in* O-00022
55275-61-1 Octopamine; (±)-*form*, 4-Me ether, *in* O-00022
55285-35-3 Butanixin, B-00391
55285-45-5 Pirifibrate, P-00328
55286-56-1 Doxaminol, D-00590
55286-57-2 Doxaminol; (±)-*form*, Fumarate (2:1), *in* D-00590
55294-15-0 ▷Muzolimine, M-00473
55297-87-5 1,9-Heptadecadiene-4,6-diyne-3,8-diol; (3*R*,8*S*,9*Z*)-*form*, *in* H-00028
55297-95-5 ▷Tiamulin, T-00238
55297-96-6 ▷Tiamulin fumarate, *in* T-00238
55299-10-0 Pivoxazepam, P-00367
55299-11-1 Iquindamine, I-00168
55300-29-3 ▷Antrafenine, A-00419
55300-30-6 Antrafenine; B,2HCl, *in* A-00419
55308-64-0 ▷2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]-triazolo[5,1-*a*]isoquinoline, E-00169
55313-67-2 Pipramadol; (±)-*form*, *in* P-00306
55313-68-3 Pipramadol; (±)-*form*, Maleate, *in* P-00306
55374-30-6 Tegafur; (*S*)-*form*, *in* T-00055
55432-15-0 Pirinidazole, P-00331
55435-65-9 ▷Acodazole hydrochloride, *in* A-00045
55453-87-7 ▷Isoxepac, I-00216
55461-42-2 Flupamesone, F-00196
55477-19-5 ▷Iprozilamine, I-00165
55482-89-8 Guacetisal, G-00089
55485-20-6 Acaprazine, A-00004
55485-21-7 Acaprazine; B,HCl, *in* A-00004
55485-24-0 Acaprazine; Maleate, *in* A-00004
55501-05-8 Decanoic acid 2-[4-[3-(2-chloro-9*H*-thioxanthen-9-ylidene)propyl]-1-piperazinyl]ethyl ester, *in* C-00481
55528-08-0 Butaclamol hydrochloride, *in* B-00382
55529-56-1 10,11-Dimethoxyajmalicine, *in* A-00087
55530-41-1 Rotamicillin, R-00095
55557-30-7 ▷Contratuss, *in* P-00512
55560-96-8 Tixocortol pivalate, *in* D-00328
55589-62-3 Acesulfame-K, *in* M-00275
55651-94-0 ▷Destomycins; Destomycin *C*, *in* D-00103
55689-65-1 ▷Oxepinac, O-00103
55694-83-2 Pentizidone; (*R*)-*form*, *in* P-00100
55694-87-6 Pentizidone sodium, *in* P-00100
55694-98-9 Ciclafrine, C-00325
55695-56-2 Cloroperone hydrochloride, *in* C-00499
55701-20-7 1,1-Diphenyl-3-piperidino-1-butanol; (±)-*form*, B,HCl, *in* D-00507
55726-47-1 ▷Enocitabine, *in* C-00667
55730-74-0 1,4-Anhydroglucitol; D-*form*, 5,6-*O*-Isopropylidene, 2-mesyl, *in* A-00387
55730-75-1 1,4-Anhydroglucitol; D-*form*, 5,6-*O*-Isopropylidene, 2,3-dimesyl, *in* A-00387
55734-49-1 2,3,5-Tri-*O*-acetyl-1-*O*-benzoyl-β-D-xylofuranose, *in* X-00024
55769-64-7 ▷Craviten, *in* B-00409
55769-65-8 Butobendine; (*S*,*S*)-*form*, *in* B-00409
55779-06-1 ▷Fortimicin *A*, F-00252
55779-18-5 Arprinocid, A-00448
55819-78-8 ▷Thioaspirin, *in* M-00114

55837-13-3 Piclopastine, P-00235
55837-14-4 Butaverine, B-00396
55837-16-6 Entsufon, E-00069
55837-17-7 Brindoxime, B-00272
55837-18-8 ▷Butibufen, B-00402
55837-19-9 Exaprolol, E-00279
55837-20-2 Halofuginone; (±)-*trans-form*, *in* H-00009
55837-21-3 Pipoxizine, P-00303
55837-22-4 Pribecaine, P-00427
55837-23-5 Teflutixol, T-00054
55837-25-7 4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, P-00598
55837-26-8 Fenperate, F-00068
55837-27-9 ▷Piretanide, P-00323
55837-28-0 Tiafibrate, *in* B-00217
55837-29-1 ▷Tiropramide; (±)-*form*, *in* T-00323
55837-30-4 Lysine clonixinate, *in* C-00479
55843-86-2 ▷Miroprofen, M-00394
55845-78-8 4-[1,1′-Biphenyl-4-yl]-3-penten-2-one; (*E*)-*form*, *in* B-00182
55862-60-7 Clofeverine; (±)-*form*, B,HBr, *in* C-00454
55869-97-1 11,15-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*SR*,12*SR*,13*E*,15*SR*)-*form*, *in* D-00341
55870-64-9 ▷Pentisomicin, P-00099
55872-82-7 Azarole, A-00508
55902-02-8 ▷Isamfazone; (−)-*form*, *in* I-00174
55902-50-6 1-Amino-2-nitro-1,2-diphenylethylene; (*Z*)-*form*, *in* A-00293
55902-93-7 Mebenoside, M-00032
55902-94-8 Sitofibrate, *in* S-00151
55905-53-8 Clebopride, C-00414
55920-68-8 Methyl (dihydroxyphosphinyl)formate, *in* P-00216
55920-71-3 Ethyl (dihydroxyphosphinyl)formate, *in* P-00216
55926-23-3 Guanclofine, G-00101
55927-33-8 α-Mercapto-β-(2-furyl)acrylic acid, M-00117
55937-99-0 Beclobrate, *in* B-00023
55981-09-4 Nitazoxanide, N-00162
55985-32-5 Nicardipine, N-00088
55986-43-1 Cetaben, *in* A-00216
56030-54-7 Sufentanil, S-00177
56039-11-3 3-Deazaguanosine, *in* D-00115
56049-89-9 ▷Indacrinone; (*R*)-*form*, *in* I-00049
56050-03-4 Melidorm, *in* M-00050
56065-37-3 LCG 21519, *in* P-00515
56066-19-4 Aditeren, A-00073
56066-63-8 Aditoprime, *in* A-00073
56079-80-2 Ropitoin hydrochloride, *in* R-00088
56079-81-3 Ropitoin, R-00088
56087-11-7 Dextranomer, *in* D-00113
56097-80-4 Valconazole; (±)-*form*, *in* V-00002
56109-02-5 Roxenan, *in* P-00233
56119-96-1 Furodazole, F-00294
56153-30-1 5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid, H-00117
56172-67-9 Procyclidine; (±)-*form*, *in* P-00455
56180-94-0 Acarbose, A-00005
56187-47-4 Cefazedone, C-00119
56187-89-4 Ximoprofen, X-00015
56208-01-6 ▷Pifarnine, P-00245
56211-40-6 Torasemide, T-00386
56211-43-9 Tameticillin, *in* M-00180
56219-57-9 Arildone, A-00444
56222-04-9 Malexil, *in* F-00030
56227-39-5 Polidexide, P-00379
56238-63-2 ▷Cefuroxime sodium, JAN, *in* C-00161
56257-31-9 Tuberactinamine N, *in* T-00569
56281-36-8 Motretinide; (*all-E*)-*form*, *in* M-00456
56287-74-2 ▷Afloqualone, A-00081
56290-94-9 Medroxalol, M-00058
56302-13-7 Satranidazole, S-00028
56341-08-3 Mabuterol, M-00001
56355-17-0 2-[4-(2-Thiazolyloxy)phenyl]propanoic acid, T-00186
56362-73-3 Hyoscyamine N-oxide 1, *in* T-00554
56362-74-4 Hyoscyamine *N*-oxide 2, *in* T-00554
56377-79-8 ▷Nosiheptide, N-00227
56383-05-2 Zindotrine, Z-00019
56390-09-1 Pharmorubicin, *in* A-00080
56391-55-0 Octazamide, *in* H-00049
56391-56-1 ▷Netilmicin, N-00078
56392-17-7 Betaloc, *in* M-00334
56396-94-2 Corindolan, *in* M-00097
56420-45-2 ▷Epirubicin, *in* A-00080
56425-51-5 Diclofurime; (*E*)-*form*, B,HCl, *in* D-00212
56430-99-0 ▷Flumecinol, F-00153
56431-19-7 α-Ethyl-2,5-dimethyl-α-phenylbenzyl alcohol, E-00183
56433-44-4 Oxaprotiline, O-00092
56433-46-6 Chelocardin; B,HCl, *in* C-00190
56452-51-8 Heteronium(1+); (3*RS*,2′*RS*)-*form*, Bromide, *in* H-00036
56453-01-1 Timoxicillin, T-00290
56463-68-4 3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)-pyrrole, A-00287
56478-42-3 Ceftezole, C-00154
56481-43-7 Setazindol, S-00057
56488-57-4 Tizolemide; (±)-*form*, B,HCl, *in* T-00331
56488-58-5 Tizolemide, T-00331
56488-59-6 ▷Terbufibrol, T-00083
56488-60-9 *N*-(2-Sulfoethyl)-glutamine; (*S*)-*form*, *in* S-00219
56488-61-0 Flubepride, F-00134
56503-19-6 1-Hydroxy-*N*,*N*,*N*-trimethyl-2-propanaminium; (±)-*form*, *in* H-00217
56518-41-3 Brodimoprim, B-00277
56533-61-0 2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole, D-00297
56548-50-6 4-[[2-(Diethylamino)ethyl]amino]benzo[*g*]-quinoline, D-00233
56548-51-7 ▷Dabequine, *in* D-00233
56562-79-9 Ioglunide, I-00114
56585-33-2 Trimethoprim sulfate, *in* T-00501
56592-32-6 ▷Efrotomycin, E-00020
56605-16-4 ▷Spiromustine, S-00124
56611-65-5 ▷Oxagrelate, O-00078
56613-81-1 2-Amino-1-phenylethanol; (*S*)-*form*, *in* A-00304
56620-35-0 Clocinizine; B,HCl, *in* C-00443
56644-29-2 Metergotamine tartrate, *in* E-00106
56648-98-7 Enpiroline, E-00064
56689-41-9 1-Chloro-1,2,2,3-tetrafluoro-3-methoxy-cyclopropane, C-00287
56689-42-0 Repromicin, R-00025
56689-43-1 Canbisol; (±)-*form*, *in* C-00025
56689-44-2 Nitramisole hydrochloride, *in* N-00166
56693-13-1 Mociprazine, M-00414
56693-15-3 Terciprazine, T-00085
56695-65-9 Rosaprostol, R-00093
56717-18-1 5,6,7,8-Tetrahydro-4-methylquinoline-8-carbothiamide, T-00128
56739-21-0 Nitraquazone, N-00167
56741-95-8 2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, A-00220
56775-82-7 Nitramidine, *in* N-00168
56775-88-3 ▷Zimeldine; (*Z*)-*form*, *in* Z-00015
56775-89-4 Zimeldine; (*E*)-*form*, *in* Z-00015
56776-32-0 Stresam, *in* E-00236
56784-39-5 Ozolinone; (*Z*)-*form*, *in* O-00169
56796-20-4 ▷Cefmetazole, C-00132
56796-39-5 Cefmetazole sodium, JAN, *in* C-00132
56824-20-5 Amiprilose, A-00345
56839-43-1 EMPP, *in* E-00072
56897-74-6 Vincadioline, *in* V-00032
56917-29-4 4′-Ethynyl-2-fluoro-1,1′-biphenyl, E-00230
56932-60-6 9,11,15,19-Tetrahydroxy-5,13-prostadienoic acid; (5*Z*,9*S*,11*R*,13*E*,15*S*,19*R*)-*form*, *in* T-00139
56933-07-4 Xylose; α-D-*Pyranose-form*, 2,3,4-Tribenzoyl, *in* X-00024
56933-08-5 Xylose; α-D-*Pyranose-form*, 1,2,4-Tribenzoyl, *in* X-00024
56953-01-6 Fenperate; B,HCl, *in* F-00068
56959-18-3 Glusoferron, *in* G-00055
56969-22-3 Oxapadol, O-00088

56974-17-5 Leurocolumbine, *in* V-00032
56974-21-1 Cephalosporin *C*; Deacetoxy, *N*-Ac, *in* C-00177
56974-46-0 ▷Dibutylimolamine hydrochloride, *in* B-00385
56974-61-9 ▷Gabexate mesylate, *in* G-00001
56980-93-9 Celiprolol, C-00163
56983-13-2 ▷Furofenac, F-00295
56995-20-1 Flupirtine, F-00204
56996-26-0 Thymopoietin; Thymopoietin II, 9Cl, *in* T-00226
57009-15-1 Isocromil, I-00184
57010-31-8 Tiapamil, T-00241
57010-32-9 Tiapamil hydrochloride, *in* T-00241
57021-61-1 ▷Isonixin, I-00196
57023-37-7 3-Pyridinecarboxaldehyde; Phenylhydrazone, *in* P-00569
57067-46-6 Isamoxole, I-00176
57076-71-8 Denbufylline, D-00072
57083-89-3 Peralopride, P-00112
57083-90-6 Peralopride; Maleate, *in* P-00112
57090-45-6 3-Chloro-1,2-propanediol; (*R*)-*form*, *in* C-00278
57103-68-1 Maytansinol, M-00027
57103-69-2 Maytanacine, *in* M-00027
57103-70-5 Ansamitocin P-2, *in* M-00027
57109-90-7 ▷Dipotassium clorazepate, *in* C-00494
57129-06-3 Thioridazine; (±)-*form*, *in* T-00209
57144-56-6 2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
57149-07-2 Naftopidil, N-00025
57165-39-6 PR-D 92*Ea*, *in* D-00440
57165-40-9 Asta 5531, *in* I-00044
57166-13-9 Napactadine hydrochloride, *in* N-00039
57226-07-0 Fluoxetine, F-00194
57226-61-6 Nisoxetine, N-00160
57227-16-4 Tiropramide; (±)-*form*, B,HCl, *in* T-00323
57227-17-5 Sevopramide, S-00060
57236-36-9 Dalgan, *in* D-00116
57237-97-5 Timoprazole, T-00289
57249-13-5 Ampecyclal, *in* H-00029
57262-94-9 2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]-cyclohepta[1,2-*c*]pyridine, T-00123
57265-65-3 R 24571, *in* C-00017
57268-80-1 Cefamandole; *O*-Formyl, *in* C-00112
57282-48-1 Verpyran, *in* H-00112
57286-93-8 Longimammine, *in* S-00286
57296-63-6 ▷Indacrinone; (±)-*form*, *in* I-00049
57322-49-3 Tropicamide; (±)-*form*, *in* T-00552
57322-54-0 3′-Chloro-3′-deoxybutirosin A, *in* B-00408
57334-63-1 8-Hydroxy-5-methylquinoline; B,HCl, *in* H-00176
57350-36-4 5,6-Dihydro-5-azathymidine, D-00278
57361-71-4 Coroloside, *in* D-00274
57363-13-0 Droxacin sodium, *in* D-00613
57363-14-1 Fluotracen hydrochloride, *in* F-00192
57381-26-7 Irsogladine, I-00173
57383-74-1 Mepifylline, *in* M-00108
57401-82-8 Meprodine; (3*RS*,4*RS*)-*form*, B,HCl, *in* M-00105
57432-61-8 ▷Methylergonovine maleate, *in* M-00254
57435-86-6 Premazepam, P-00418
57441-90-4 Nivimedone sodium, *in* D-00436
57460-41-0 ▷Talinolol, T-00008
57469-77-9 Ibuprofen-Lysine, *in* I-00008
57474-29-0 Nifuroquine, N-00125
57475-17-9 Brovincamine, B-00331
57479-88-6 Sulmepride, S-00228
57498-59-6 *N*,*N*′-Bis(3-methoxybenzyl)urea, B-00226
57524-89-7 Hydrocortisone valerate, *in* C-00548
57526-81-5 ▷Prenalterol; (*S*)-*form*, *in* P-00419
57529-83-6 Azipramine hydrochloride, *in* A-00526
57548-79-5 Picafibrate, P-00230
57558-44-8 Secoverine, S-00033
57558-46-0 DU 23849, *in* S-00033
57574-09-1 Amineptine, A-00200
57576-44-0 ▷Aclacinomycin *A*, A-00042
57625-97-5 Cibenzoline succinate, *in* C-00322
57637-88-4 Adamexine; B,HCl, *in* A-00065
57645-05-3 Sermetacin; (*S*)-*form*, *in* S-00048
57645-39-3 Clebopride; B,HCl, *in* C-00414
57647-35-5 ▷Ixprim, *in* B-00168
57647-79-7 Benclonidine, B-00041
57648-21-2 ▷Timiperone, T-00285
57653-26-6 Fenobam, F-00059
57653-27-7 Droprenilamine, D-00609
57653-28-8 Ibazocine, I-00003
57653-29-9 Cogazocine, C-00533
57666-60-1 Nitrafudam hydrochloride, *in* N-00164
57680-55-4 Gleptoferron, G-00030
57694-27-6 Vinpoline, V-00043
57704-10-6 Bufuralol; (*S*)-*form*, B,HCl, *in* B-00352
57704-15-1 Bufuralol; (±)-*form*, *in* B-00352
57726-65-5 ▷Nufenoxole, N-00232
57734-69-7 Sequifenadine, S-00044
57734-70-0 ▷Sequifenadine; B,HCl, *in* S-00044
57760-36-8 Alborixin, A-00101
57773-63-4 Triptorelin, T-00531
57773-81-6 Lorazepam pivalate, *in* D-00056
57775-22-1 ▷Etoperidone; B,HCl, *in* E-00261
57775-25-4 Dietilan, *in* D-00312
57775-26-5 Sultosilic acid, *in* D-00313
57775-27-6 ▷Piperazine sulfosilate, *in* D-00313
57775-28-7 Prefenamate, P-00415
57775-29-8 ▷Carazolol, C-00038
57780-94-6 Beclometasone valeroacetate, *in* B-00024
57781-14-3 ▷Halopredone acetate, *in* H-00016
57781-15-4 Halopredone, H-00016
57785-97-4 2′-*N*-Ethylparamomycin, *in* P-00039
57801-81-7 Brotizolam, B-00329
57808-63-6 Cicloxilic acid; (1*RS*,2*SR*)-*form*, *in* C-00336
57808-64-7 Toldimfos, T-00347
57808-65-8 Closantel, C-00504
57808-66-9 ▷Domperidone, D-00576
57817-89-7 ▷Stevioside, *in* S-00147
57818-92-5 8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate, D-00239
57821-29-1 Sulodexide, S-00232
57821-32-6 Menfegol, M-00089
57847-69-5 Cefedrolor, C-00123
57847-74-2 Steffimycinone, *in* S-00143
57852-57-0 ▷Idarubicin hydrochloride, *in* I-00016
57866-20-3 2,3-Didemethyl-N-deacetylcolchicine, *in* C-00534
57866-21-4 2,3-Didemethylcolchicine, *in* C-00534
57916-70-8 Iclazepam, I-00011
57925-64-1 Naprodoximine, N-00047
57928-04-8 1,2,3,4-Tetrahydroisoquinoline; *N*-Et, *in* T-00120
57935-49-6 Tiomergine, T-00300
57938-82-6 Adinazolam mesylate, *in* A-00071
57943-81-4 Clavulanic acid; (*Z*)-*form*, Na salt, *in* C-00410
57943-82-5 Clavulanic acid; (*Z*)-*form*, Me ester, *in* C-00410
57961-90-7 Centhaquine, C-00166
57964-27-9 *S*-Ethyl acetylcarbamothioate, *in* T-00196
57969-03-6 Isonitrarine, *in* N-00168
57982-77-1 ▷Buserelin, B-00377
57982-78-2 ▷1-*tert*-Butyl-4,4-diphenylpiperidine, *in* D-00503
57998-68-2 ▷Diaziquone, D-00150
58001-44-8 ▷Clavulanic acid; (*Z*)-*form*, *in* C-00410
58012-63-8 Furcloprofen; (+)-*form*, *in* F-00288
58019-50-4 Menabitan hydrochloride, *in* M-00086
58019-65-1 Nabazenil, N-00001
58026-32-7 1-(2-Dimethylamino-1-methylethyl)-2-phenyl-cyclohexanol, D-00415
58033-22-0 Naprodoximine; (±)-*form*, B,HCl, *in* N-00047
58038-94-1 Flutroline; B,HCl, *in* F-00232
58045-23-1 Clopenthixol; (*Z*)-*form*, B,2HCl, *in* C-00481
58072-91-6 Crotepoxide; (±)-*form*, *in* C-00568
58084-74-5 3-(1-Chloro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine; B,HCl, *in* C-00228
58095-31-1 Sulbenox, S-00182
58100-24-6 β-Melanotropin; Equine, *in* M-00075
58115-81-4 Vinformide sulfate, *in* V-00039
58152-03-7 ▷Isepamicin, *in* G-00017
58154-83-9 JDL 862, *in* T-00386
58158-77-3 Amantanium bromide, *in* A-00163
58166-83-9 ▷Cafedrine, C-00009
58167-78-5 ▷Tandamine hydrochloride, *in* T-00025
58175-86-3 Chloroquine; (+)-*form*, *in* C-00284

58182-63-1 Itanoxone, I-00220
58186-27-9 Idebenone, I-00017
58212-84-3 17-Acetyl-6-methyl-16,24-cyclo-21-norchol-4-en-3-one, A-00038
58239-89-7 Moxazocine, M-00462
58261-91-9 Mefenidil, M-00063
58262-89-8 3′,4′,5,7-Tetrahydroxy-8-methoxyisoflavone, T-00138
58264-16-7 Dehydro-1,8-cineole, *in* C-00360
58286-55-8 Nanaomycin C, *in* N-00036
58286-56-9 Nanaomycin αA, *in* N-00036
58306-30-2 ▷Febantel, F-00021
58313-74-9 Treptilamine, T-00414
58313-75-0 Treptilamine; B,HCl, *in* T-00414
58337-34-1 ▷Elliptinium(1+), E-00028
58337-35-2 Elliptinium acetate, *in* E-00028
58338-59-3 4-Amino-*N*-(2-aminophenyl)benzamide, A-00208
58349-27-2 2′-Deoxy-5-iodouridine; 5′-Tosyl, *in* D-00081
58360-14-8 2-Methyl-1*H*-indole-3-acetamide, *in* M-00263
58409-59-9 ▷Bucumolol, B-00343
58416-00-5 Protiofate, P-00538
58433-11-7 Tilomisole, T-00276
58439-94-4 Narasin B, *in* N-00050
58462-97-8 Isosparsomycin, *in* S-00109
58473-73-7 Drobuline; (±)-*form*, *in* D-00603
58473-74-8 3-(3-Bromophenyl)-*N*-ethyl-2-propenamide, *in* B-00314
58486-36-5 Floxacillin magnesium, *in* F-00139
58493-49-5 *N*-(4-Hydroxy-3-methoxybenzyl)-9-octadecenamide; (*Z*)-*form*, *in* H-00149
58493-54-2 Glycopyrronium bromide, *in* G-00070
58497-00-0 Procinonide, P-00452
58503-79-0 Meobentine sulfate, *in* M-00093
58503-82-5 Azipramine, A-00526
58503-83-6 Penirolol, P-00070
58513-59-0 Thiothixene; (*Z*)-*form*, B,HCl, *in* T-00213
58524-83-7 Ciprocinonide, C-00388
58525-56-7 2,3:4,5-Di-*O*-methylene-D-mannitol, *in* M-00018
58535-78-7 Tetraethoxy-1,4-benzoquinone, *in* T-00137
58543-16-1 Rebaudioside *A*, *in* S-00147
58543-17-2 Rebaudioside *B*, *in* S-00147
58551-69-2 ▷Carboprost trometamol, *in* C-00062
58560-75-1 Ibuprofen; (±)-*form*, *in* I-00008
58579-51-4 Anagrelide hydrochloride, *in* A-00376
58580-55-5 ▷Panimycin, *in* D-00154
58581-89-8 ▷Azelastine, A-00515
58594-48-2 Camphonium, *in* T-00499
58602-66-7 Aminopterin sodium, *in* A-00324
58662-84-3 Meclonazepam; (*S*)-*form*, *in* M-00047
58665-96-6 Cefazaflur, C-00118
58678-43-6 Isopenicillin N, *in* P-00066
58691-88-6 Nomegestrol, N-00200
58703-77-8 Sulprosal, S-00260
58703-78-9 Cethexonium chloride, *in* C-00182
58712-69-9 Traxanox, T-00402
58722-78-4 Amphoglucamine, *in* A-00368
58728-64-6 ▷4-Amino-1-naphthoic acid; Nitrile, *in* A-00292
58757-61-2 Trimexiline; (±)-*form*, *in* T-00515
58761-87-8 Sudexanox, S-00175
58765-21-2 Ciclotizolam, C-00334
58769-17-8 17-Hydroxy-19-norpregna-4,6-diene-3,20-dione; (17*R*)-*form*, *in* H-00183
58786-99-5 ▷levo-BC 2627, *in* B-00417
58795-03-2 Apalcillin sodium, *in* A-00421
58805-38-2 ▷Ambicromil, A-00169
58832-67-0 DU 22599, *in* C-00519
58832-68-1 Cloximate; (*E*)-*form*, *in* C-00519
58857-02-6 ▷Ambruticin, A-00171
58869-09-3 Orciprenaline; (±)-*form*, B,HCl, *in* O-00053
58888-77-0 3-Ethyl-3-hydroxypentanoic acid, E-00195
58892-44-7 ▷2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine, B-00119
58917-76-3 Etafedrine; (1*RS*,2*RS*)-*form*, B,HCl, *in* E-00133
58919-63-4 Epilin, *in* D-00259
58934-46-6 Lorcainide hydrochloride, *in* L-00094
58944-73-3 ▷Sinefungin, S-00078
58950-98-4 3-Methoxy-1,2-propanedithiol, *in* D-00385
58957-92-9 ▷Idarubicin, I-00016
58970-76-6 ▷Bestatin, B-00138
58994-96-0 Ranimustine, R-00010
58995-26-9 ▷Bleomycin A_1, B-00242
59009-93-7 Carburazepam, C-00069
59010-33-2 Carburazepam; (+)-*form*, *in* C-00069
59010-44-5 Prizidilol, P-00441
59015-74-6 5-Stigmasten-3-ol; (3β,24*R*)-*form*, Icosanoyl, *in* S-00151
59017-64-0 Ioxaglic acid, I-00148
59018-13-2 Ioxaglate meglumine, *in* I-00148
59032-40-5 Disulergine, D-00541
59040-30-1 Nafazatrom, N-00011
59070-06-3 Ticarcillin cresyl sodium, *in* T-00255
59070-07-4 Ticarcillin; 3-Mono(4-methylphenyl)ester, *in* T-00255
59091-65-5 Delergotrile, D-00052
59095-56-6 [Thz^7]Oxytocin, T-00234
59110-35-9 Pamatolol; (±)-*form*, *in* P-00008
59113-41-6 Guan-fu base E, G-00106
59113-42-7 Guan-fu base D, G-00105
59122-45-1 11,16-Dihydroxy-9-oxo-13-prostenoic acid; (8*RS*,11*RS*,12*RS*,13*E*)-*form*, Me ester, *in* D-00342
59122-46-2 Misoprostol, M-00396
59128-97-1 ▷Haloxazolam, H-00020
59138-84-0 ▷Tetrammonium formate, *in* T-00144
59141-40-1 Enkephalins, E-00058
59160-29-1 ▷Lidofenin, L-00044
59165-34-3 ▷Gardimycin, G-00011
59170-23-9 Bevantolol, B-00146
59173-25-0 Flutiorex, F-00228
59179-95-2 ▷Lorzafone, L-00100
59182-62-6 Doprenilamine; (±)-*form*, Maleate, *in* D-00609
59182-63-7 ▷Doprenilamine; (±)-*form*, B,HCl, *in* D-00609
59184-78-0 ▷Buquineran, B-00372
59198-70-8 ▷Diflucortolone valerate, JAN, *in* D-00270
59209-40-4 ▷Proglumetacin maleate, *in* P-00467
59209-97-1 Zafuleptine; (±)-*form*, *in* Z-00003
59210-05-8 Zafuleptine; (−)-*form*, *in* Z-00003
59210-06-9 Zafuleptine; (+)-*form*, *in* Z-00003
59227-83-7 Antibiotic M 4365G_1, *in* R-00025
59227-84-8 Antibiotic M 4365A_1, *in* R-00092
59227-89-3 ▷Laurocapram, L-00015
59263-76-2 ▷Meptazinol hydrochloride, *in* M-00107
59277-89-3 ▷Acyclovir, A-00060
59316-76-6 Dibenzothioline, D-00159
59333-90-3 ▷Exaprolol hydrochloride, *in* E-00279
59338-87-3 Alizapride; B,HCl, *in* A-00122
59338-93-1 Alizapride, A-00122
59345-72-1 Estimulocel, *in* B-00083
59367-56-5 Agrimonolide; (±)-*form*, *in* A-00084
59393-77-0 5-Amino-2-hydroxybenzoic acid; Amide, *in* A-00266
59429-50-4 Tamitinol, T-00022
59467-70-8 Midazolam, M-00368
59467-77-5 Climazolam, C-00426
59467-94-6 ▷Midazolam maleate, *in* M-00368
59467-96-8 Midazolam hydrochloride, *in* M-00368
59497-39-1 Naflocort, N-00018
59512-37-7 Piketoprofen; (±)-*form*, B,HCl, *in* P-00250
59524-58-2 Cefanone; Dicyclohexylamine salt (1:1), *in* C-00113
59547-51-2 Thionarcex, *in* T-00212
59547-56-7 Guaiactamine; Citrate (1:1), *in* G-00091
59547-58-9 Milheparine, *in* E-00137
59547-60-3 Babesin, *in* B-00187
59556-18-2 5-Amino-1,3-cyclohexadiene-1-carboxylic acid; (±)-*form*, *in* A-00228
59556-29-5 ▷5-Amino-1,3-cyclohexadiene-1-carboxylic acid; (*S*)-*form*, *in* A-00228
59567-87-2 Carteolol; (*R*)-*form*, B,HCl, *in* C-00102
59567-88-3 Carteolol; (*S*)-*form*, B,HCl, *in* C-00102
59574-68-4 Bisulfa, *in* S-00172
59593-15-6 ▷Neothramycin B, *in* N-00072
59593-16-7 ▷Neothramycin *A*, N-00072

59619-81-7 ▷Etiproston, E-00239
59619-82-8 Etiproston; Compd. with tris(hydroxymethyl)-methylamine (1:1), *in* E-00239
59643-84-4 2-Propoxybenzamide, P-00510
59643-91-3 4-Amino-1,3-diazabicyclo[3.1.0]hex-3-en-2-one, A-00237
59653-73-5 Teroxirone, T-00096
59654-94-3 Dithioral, *in* H-00127
59672-35-4 Ritiometane magnesium, *in* M-00262
59680-34-1 ▷Actinoxanthine, A-00058
59703-84-3 ▷Piperacillin sodium, *in* P-00283
59708-52-0 ▷Carfentanil, C-00075
59708-57-5 Xibenolol; (±)-*form*, B,HCl, *in* X-00012
59709-53-4 Thiopental; (±)-*form*, *in* T-00206
59711-89-6 N^1-Methylsisomycin, *in* S-00082
59716-06-2 Benderizine; (±)-*form*, *in* B-00045
59721-28-7 Camostat, C-00022
59721-29-8 Camostat mesylate, *in* C-00022
59727-70-7 Octacaine; (±)-*form*, B,HCl, *in* O-00005
59729-33-8 Citalopram, C-00400
59729-33-8 Citalopram; (±)-*form*, Oxalate, *in* C-00400
59729-37-2 Fexinidazole, F-00098
59733-86-7 Butikacin, B-00404
59755-82-7 Enolicam, E-00059
59767-12-3 Octastine, O-00017
59767-13-4 Setastine; (±)-*form*, B,HCl, *in* S-00056
59776-90-8 Dupracetam, D-00622
59787-61-0 Cyclosporins; ***Cyclosporin* C**, *in* C-00638
59798-73-1 Enilosperone, E-00056
59804-37-4 Tenoxicam, T-00073
59811-38-0 Carbinoxamine; (±)-*form*, *in* C-00052
59818-02-9 Inulin; 'Per-Ac', *in* I-00089
59828-07-8 Procaterol hydrochloride, *in* P-00449
59831-63-9 Doconazole; *cis-form*, *in* D-00563
59831-64-0 Milenperone, M-00374
59831-65-1 Halopemide, H-00012
59836-70-3 ▷2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole; B,HCl, *in* D-00297
59845-92-0 Kainic acid; *N*-Ac, *in* K-00001
59849-85-3 2-Amino-5-nitrothiazole; *N*-Me, *in* A-00294
59859-58-4 Femoxetine; (3*R**,4*R**)-*form*, *in* F-00030
59865-13-3 ▷Cyclosporins; Cyclosporin *A*, *in* C-00638
59866-76-1 Bibenzonium(1+), B-00151
59870-68-7 Glabridin; (*R*)-*form*, *in* G-00026
59870-70-1 Glabridin; (*R*)-*form*, Di-Me ether, *in* G-00026
59889-36-0 Ciprefadol; (4*aR**,8*aR**)-*form*, *in* C-00387
59917-39-4 Vindesine sulfate, *in* V-00032
59937-28-9 Malotilate, M-00016
59939-16-1 Cirazoline, C-00395
59954-01-7 Pamatolol sulfate, *in* P-00008
59979-38-3 Gardimycin; Na salt, *in* G-00011
59985-51-2 Coptiside I, *in* D-00329
59989-20-7 Heptaminol acefyllinate, *in* H-00029
59995-65-2 Pinaverium(1+), P-00267
60000-09-1 1,2-Diphenylethylamine; (±)-*form*, B,HCl, *in* D-00492
60007-95-6 Cyclophosphamide; (±)-*form*, *in* C-00634
60007-96-7 Cyclophosphamide; (*S*)-*form*, *in* C-00634
60010-42-6 4,5-Dichloro-2,2-difluoro-1,3-dioxolane, D-00182
60010-81-3 3,5-Diamino-1*H*-1,2,4-triazole; 3,5-Di-*N*-Ac, *in* D-00137
60019-20-7 Brazergoline, B-00266
60023-91-8 Decylroxibolone, *in* R-00098
60023-92-9 Roxibolone, R-00098
60029-13-2 2-Deoxystreptomycin, *in* S-00161
60029-23-4 ▷Trimorphamide, T-00518
60030-72-0 Cyclophosphamide; (*R*)-*form*, *in* C-00634
60052-55-3 Pivenfrine; (±)-*form*, B,HCl, *in* P-00364
60070-14-6 Mariptiline, M-00024
60084-10-8 ▷Tiazofurine, T-00246
60085-78-1 Clopipazan, C-00486
60086-22-8 ▷Clopipazan mesylate, *in* C-00486
60094-92-0 β-O-Methylsynephrine, *in* S-00286
60135-06-0 Mercumatilin sodium, *in* M-00123
60135-22-0 Flumoxonide, F-00163
60142-96-3 1-(Aminomethyl)cyclohexaneacetic acid, A-00280
60148-52-9 Cypothrin, C-00644
60166-93-0 ▷Iopamidol; (*S*)-*form*, *in* I-00124
60173-73-1 Arfalasin, A-00438
60175-95-3 Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, T-00136
60200-06-8 Clorsulon, C-00503
60202-16-6 Factor *XIV*, F-00008
60207-31-0 Azaconazole, A-00494
60209-41-8 9-Arabinofuranosyladenine; β-D-*form*, 6*N*-Me, *in* A-00435
60239-18-1 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid, T-00101
60239-19-2 1,4,7,10-Tetraazacyclododecane-1,4,7,10-tetraacetic acid; B,3HCl, *in* T-00101
60248-23-9 Fuprazole, F-00276
60248-24-0 Fuprazole; Maleate, *in* F-00276
60282-87-3 Gestodene, G-00021
60297-60-1 Clavulanic acid; (*Z*)-*form*, *p*-Bromobenzyl ester, *in* C-00410
60318-52-7 ▷Trichosanthin, T-00444
60324-59-6 Nomelidine; (*Z*)-*form*, *in* N-00201
60324-60-9 Nomelidine; (*Z*)-*form*, B,2HCl, *in* N-00201
60325-08-8 Kalafungin; (−)-*form*, *in* K-00002
60325-13-5 1-Phenylethylhydrazine; (*R*)-*form*, *in* P-00188
60325-46-4 ▷Sulprostone, S-00261
60398-91-6 Bufuralol; (±)-*form*, B,HCl, *in* B-00352
60400-86-4 Procromil, P-00454
60400-92-2 Proxicromil, P-00548
60400-93-3 Proxicromil; Na salt, *in* P-00548
60405-75-6 Erythritol; Tri-*O*-benzoyl, *in* E-00114
60414-06-4 Amiprilose hydrochloride, *in* A-00345
60443-17-6 Procaterol, P-00449
60454-77-5 ▷Funkioside C, *in* S-00129
60454-78-6 ▷Funkioside D, *in* S-00129
60454-79-7 Funkioside E, *in* S-00129
60454-80-0 ▷Funkioside F, *in* S-00129
60454-81-1 ▷Funkioside G, *in* S-00129
60480-99-1 Flucindole; (±)-*form*, B,Me_2SO_4, *in* F-00136
60481-00-7 Flucindole; (−)-*form*, B,HCl, *in* F-00136
60481-01-8 Flucindole; (−)-*form*, *in* F-00136
60504-95-2 Deisovalerylblastmycin, *in* A-00415
60529-76-2 Thymopoietin, T-00226
60538-98-9 6-Methyl-2-phenyl-4-quinolinecarboxylic acid, M-00295
60539-13-1 Menadiol disuccinate, *in* D-00333
60560-33-0 ▷Pinacidil, P-00264
60561-17-3 ▷Sufentanil citrate, *in* S-00177
60569-19-9 Propiverine, P-00507
60575-32-8 Amezepine, A-00181
60576-13-8 Piketoprofen, P-00250
60588-26-3 Ozolinone, O-00169
60594-70-9 2,5-Dihydroxyphenylalanine, D-00344
60607-35-4 Topterone, T-00384
60607-68-3 Indenolol, I-00056
60617-12-1 β-Endorphin, E-00049
60628-96-8 Bifonazole, B-00164
60628-98-0 Lombazole, L-00077
60643-86-9 4-Amino-5-hexenoic acid, A-00260
60653-25-0 ▷Orpanoxin, O-00063
60662-16-0 ▷Binedaline, B-00168
60662-17-1 Sgd 33374, *in* E-00055
60662-18-2 Eniclobrate; (±)-*form*, *in* E-00055
60662-19-3 Nilprazole, N-00141
60668-24-8 Alafosfalin; $(S)_C,(R)_P$-*form*, *in* A-00091
60668-26-0 Alafosfalin; $(S)_C,(R)_P$-*form*, *N*-Benzyloxycarbonyl, *in* A-00091
60668-66-8 Alafosfalin; $(S)_C(S)_P$-*form*, *N*-Benzyloxycarbonyl, *in* A-00091
60672-82-4 Nandrolone sulfate sodium, *in* H-00185
60696-52-8 Asterriquinone, A-00467
60719-82-6 Alaproclate, A-00094
60719-84-8 ▷Amrinone, A-00372
60719-85-9 Ciprefadol succinate, *in* C-00387
60731-46-6 Elcatonin, E-00023
60734-87-4 Nisbuterol; (±)-*form*, *in* N-00157

60734-88-5 Nisbuterol mesylate, *in* N-00157
60736-99-4 Flubepride; (±)-*form*, *in* F-00134
60762-57-4 Pirlindole, P-00340
60784-46-5 ▷*N*-(2-Chloroethyl)-*N'*-(2-hydroxyethyl)-*N*-nitrosourea, C-00237
60802-40-6 Rosaramicin sodium phosphate, *in* R-00092
60802-62-2 Clavulanic acid; (*E*)-*form*, *p*-Bromobenzyl ester, *in* C-00410
60812-35-3 1-Amino-3-(decyloxy)-2-propanol, *in* A-00317
60827-45-4 ▷3-Chloro-1,2-propanediol; (*S*)-*form*, *in* C-00278
60883-73-0 Methandriol propionate, *in* M-00225
60883-80-9 Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), *in* O-00028
60895-85-4 Testosterone furoate, *in* H-00111
60924-75-6 Asterriquinone A1, *in* A-00467
60925-61-3 Ceforanide, C-00137
60929-23-9 Indeloxazine; (±)-*form*, *in* I-00055
60940-34-3 2-Phenyl-1,2-benzisoselenazol-3(2*H*)-one, P-00178
60986-89-2 5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224
60987-07-7 Falipamil; B,HCl, *in* F-00011
61036-62-2 Teichomycin, T-00056
61036-63-3 Teichomycin; Teichomycin A_1, *in* T-00056
61036-64-4 ▷Teichomycin; Teichomycin A_2, *in* T-00056
61042-72-6 Lansfordite, *in* M-00006
61045-70-3 Piperoxan; (*R*)-*form*, *in* P-00294
61045-71-4 Piperoxan; (*S*)-*form*, *in* P-00294
61086-44-0 Carfentanil; Oxalate (1:1), *in* C-00075
61115-28-4 Alusulf, A-00160
61129-30-4 Zimeldine hydrochloride, *in* Z-00015
61177-45-5 ▷Potassium clavulanate, *in* C-00410
61197-73-7 Loprazolam, L-00089
61214-51-5 β-Endorphin; β-Endorphin (human), *in* E-00049
61220-69-7 Tiopinac, T-00302
61227-25-6 5-Hydroxy-2-methoxybenzoic acid, *in* D-00316
61247-71-0 3-Ethyl-5-phenyl-2,4-imidazolidinedione; (±)-*form*, *in* E-00214
61260-05-7 Prenalterol hydrochloride, *in* P-00419
61263-35-2 11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*R*)-*form*, *in* D-00322
61270-58-4 Cefonicid, C-00135
61270-78-8 Cefonicid sodium, *in* C-00135
61318-90-9 Sulconazole, S-00184
61318-91-0 Sulconazole nitrate, *in* S-00184
61325-80-2 Flumezapine, F-00161
61334-49-4 3-(Diphenylmethylene)-1-ethylpyrrolidine; Picrate, *in* D-00498
61343-44-0 Tocofenoxate, T-00333
61379-65-5 Rifapentine, R-00048
61380-27-6 Carfentanil citrate, *in* C-00075
61380-40-3 Lofentanil; (3*R**,4*S**)-*form*, *in* L-00073
61400-59-7 Parconazole, P-00033
61413-54-5 Rolipram, R-00077
61422-45-5 Carmofur, C-00082
61430-99-7 6-Deoxyparamomycin I, *in* P-00039
61444-62-0 Nifluridide, N-00114
61474-12-2 1,2,3,4-Tetrahydro-1-hydroxy-2-naphthalenecarboxylic acid; (1*R*,2*S*)-*form*, Me ester, *in* T-00118
61476-28-6 6-Deoxyparomycin II, *in* P-00039
61477-94-9 ▷Pirmenol hydrochloride, *in* P-00342
61477-95-0 Monalazone disodium, *in* M-00427
61477-96-1 Piperacillin, P-00283
61477-97-2 Dazolicine, D-00026
61484-38-6 Prolyl-*N*-methylleucylglycinamide; L-D-*form*, *in* P-00474
61484-39-7 Pareptide sulfate, *in* P-00474
61508-55-2 2-(Iodomethyl)-1,3-dioxolane-4-methanol; *cis-form*, *in* I-00107
61508-57-4 2-(Iodomethyl)-1,3-dioxolane-4-methanol; *trans-form*, *in* I-00107
61545-06-0 Temocillin, T-00062
61557-12-8 Penprostene, P-00074
61563-18-6 Soquinolol, S-00103
61570-90-9 Tioxidazole, T-00309
61622-34-2 ▷Cefotiam, C-00140
61642-86-2 Thiocarbamic acid; *S*-Ph ester, *in* T-00196
61645-82-7 1,2,3,4,4*a*,6,7,11*b*,12,13*a*-Decahydro-9,10-dimethoxy-13*H*-dibenzo[*a*,*f*]quinolizin-13-one, D-00034
61675-64-7 Trosyd, *in* T-00298
61718-82-9 Fevarin, *in* F-00234
61732-85-2 4-(*N*-Benzylanilino)-1-methylpiperidine; B,2HCl, *in* B-00106
61764-61-2 Cloroperone, C-00499
61799-74-4 Prostacyclin; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, Me ester, *in* P-00528
61802-93-5 Metaclazepam; B,HCl, *in* M-00145
61812-46-2 Sulindac; (*E*)-*form*, *in* S-00225
61822-36-4 ▷4-Propyl-4-heptylamine, P-00515
61825-94-3 Oxaliplatin; (1*R*,2*R*)-*form*, *in* O-00080
61826-31-1 Clemastine; (2*R*,α*S*)-*form*, *in* C-00416
61826-32-2 Clemastine; (2*R*,α*S*)-*form*, Fumarate (1:1), *in* C-00416
61849-14-7 Prostacyclin sodium, *in* P-00528
61864-30-0 Benolizime, *in* D-00034
61869-07-6 ▷2-(Iodomethyl)-1,3-dioxolane-4-methanol, I-00107
61869-08-7 Paroxetine; (3*R**,4*R**)-*form*, *in* P-00040
61887-16-9 Dulofibrate, D-00618
61927-01-3 Vincovalinine, *in* L-00037
61941-56-8 Amfenac sodium, *in* A-00218
61951-99-3 11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
61955-22-4 9,11-Epidithio-15-hydroxy-5,13-prostadienoic acid; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, Me ester, *in* E-00079
61966-08-3 ▷Triciribine phosphate, *in* T-00445
61990-92-9 Benpenolisin, *in* P-00071
61994-74-9 5,6-Dihydromocimyin C, *in* M-00413
62003-27-4 Bomag, *in* O-00140
62013-04-1 Dirithromycin, D-00533
62030-88-0 Duoperone, D-00621
62030-89-1 Duoperone fumarate, *in* D-00621
62052-97-5 Bumedipil, B-00355
62087-96-1 Triletide, T-00488
62134-34-3 Butoprozine hydrochloride, *in* B-00415
62220-58-0 Bipenamol hydrochloride, *in* B-00174
62228-20-0 Butoprozine, B-00415
62229-50-9 Epidermal growth factor, E-00075
62232-46-6 ▷E 687, *in* B-00161
62253-61-6 Epidermal growth factor; γ-*form*, *in* E-00075
62253-63-8 Epidermal growth factor; β-*form*, *in* E-00075
62265-68-3 Quinfamide, Q-00023
62267-71-4 Tetrahydroxy-1,4-benzoquinone; 2,5-Di-Me ether, *in* T-00137
62305-86-6 Orotirelin, O-00062
62305-91-3 Montirelin, M-00431
62319-53-3 Clavulanic acid; (*E*)-*form*, *in* C-00410
62357-86-2 Desmopressin acetate, *in* D-00097
62380-23-8 Cinecromen, C-00359
62398-10-1 Benzoin; (±)-*form*, Ac, *in* B-00093
62412-39-9 Tiodazosin; B,HCl, *in* T-00299
62473-79-4 Teniloxazine, T-00070
62473-80-7 Sulfoxazine maleate, *in* T-00070
62501-77-3 Piperoxan; (*S*)-*form*, B,HCl, *in* P-00294
62501-80-8 Piperoxan; (*R*)-*form*, B,HCl, *in* P-00294
62510-56-9 Picilorex, P-00233
62510-57-0 UP 507-04, *in* P-00233
62511-98-2 Pyridoxine; 5-Me ether; B,HCl, *in* P-00582
62524-99-6 ▷Delprostenate, D-00058
62534-68-3 Mepartricin A, *in* P-00042
62534-69-4 Mepartricin B, *in* P-00042
62559-74-4 ▷Froxiprost, F-00266
62565-72-4 Verticinone N-oxide, *in* V-00024
62568-57-4 L-Tryptophyl-L-alanyl-glycyl-glycyl-L-aspartyl-L-alanyl-L-seryl-glycyl-L-glutamic acid, T-00568
62571-86-2 ▷Captopril, C-00034
62571-87-3 Minaxolone, M-00382
62587-73-9 Cefsulodin, C-00150

62594-36-9 Baclofen; (±)-*form*, *in* B-00003
62596-63-8 4-Amino-3-phenylbutanoic acid; (*S*)-*form*, *in* A-00303
62613-82-5 4-Hydroxy-2-oxo-1-pyrrolidineacetamide, H-00188
62625-18-7 Pirogliride, P-00345
62625-19-8 Pirogliride tartrate, *in* P-00345
62658-63-3 Bopindolol; (±)-*form*, *in* B-00253
62658-64-4 Bopindolol; (±)-*form*, Fumarate, *in* B-00253
62658-88-2 Mesudipine, M-00139
62666-20-0 Progabide, P-00465
62668-12-6 2-Benzimidazolepropionic acid; Et ester; B,HCl, *in* B-00083
62711-77-7 Ambruticin; Me ester, *in* A-00171
62770-50-7 6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid; (6*S*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* E-00089
62773-65-3 5-Amino-2-hydroxybenzoic acid; Et ester, *in* A-00266
62777-90-6 6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid; (6*R*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* E-00089
62805-43-0 Carbodine, C-00054
62816-98-2 ▷Tetraplatin, T-00153
62819-32-3 ▷5-Deoxykanamycin A, *in* K-00004
62828-25-5 Tetrandrine mono-*N*-2′-oxide, *in* T-00152
62851-43-8 ▷Zidometacin, Z-00012
62882-99-9 Tinazoline, T-00292
62893-19-0 Cefoperazone, C-00136
62894-44-4 Tiflamizole; Na salt, *in* T-00264
62894-89-7 Tiflamizole, T-00264
62904-71-6 3-[(Dimethylamino)(1,3-dioxan-5-yl)methyl]-pyridine; (*R*)-*form*, *in* D-00406
62928-11-4 ▷Iproplatin, I-00162
62961-55-1 Theodrenaline; (*R*)-*form*, B,HCl, *in* T-00167
62973-76-6 ▷Azanidazole; (*E*)-*form*, *in* A-00502
62973-77-7 Parconazole hydrochloride, *in* P-00033
62992-61-4 ▷Etersalate, E-00144
63014-96-0 1-Methylandrosta-4,16-dien-3-one; 1α-*form*, *in* M-00224
63045-44-3 Narasin *A*; Me ester, *in* N-00050
63075-47-8 Fepradinol; (±)-*form*, *in* F-00084
63076-45-9 Timoxicillin sodium, *in* T-00290
63094-36-0 2-Methoxy-11-oxo-11*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, M-00209
63119-27-7 5,6-Bis(4-methoxyphenyl)-3-methyl-1,2,4-triazine, B-00228
63146-73-6 Loprazolam; (*Z*)-*form*, *in* L-00089
63198-97-0 Viroximine, V-00056
63204-23-9 Oxmetidine hydrochloride, *in* O-00124
63245-28-3 Etifenin, E-00235
63251-39-8 Sulfinalol hydrochloride, *in* S-00214
63269-31-8 Ciramadol; (−)-*form*, *in* C-00394
63279-13-0 Rebaudioside *D*, *in* S-00147
63279-14-1 Rebaudioside *E*, *in* S-00147
63304-56-3 Seractide, S-00045
63307-61-9 Votracon, *in* A-00229
63323-46-6 Ciramadol hydrochloride, *in* C-00394
63329-53-3 Lobenzarit, L-00066
63358-49-6 Aspoxicillin, A-00465
63388-37-4 Declenperone, D-00039
63394-05-8 ▷Plafibride, P-00369
63435-16-5 Orthoform-old, *in* A-00265
63469-19-2 Apalcillin, A-00421
63472-04-8 Metbufen, M-00157
63494-82-6 Polidexide sulfate, *in* P-00379
63516-07-4 Flutropium bromide, *in* F-00233
63521-85-7 ▷Esorubicin, *in* A-00080
63527-52-6 Cefotaxime, C-00138
63534-64-5 Iosulamide meglumine, *in* I-00137
63547-13-7 Adrafinil, A-00074
63550-99-2 Rebaudioside *C*, *in* S-00147
63551-77-9 ▷Sfericase, S-00061
63557-52-8 6,9-Epoxy-11,15-dihydroxy-13-prostenoic acid; (6*S*,9*S*,11*R*,13*E*,15*S*)-*form*, Me ester, *in* E-00089
63585-09-1 ▷Trisodium phosphonoformate, *in* P-00216
63590-64-7 Terazosin, T-00080
63610-08-2 ▷Indobufen, I-00060
63610-09-3 Lodoxamide trometamine, *in* L-00071
63612-50-0 Nilutamide, N-00143
63619-84-1 Trioxifene, T-00520
63638-90-4 CGP 11305*A*, *in* B-00278
63638-91-5 Brofaromine, B-00278
63642-19-3 Prizidilol hydrochloride, *in* P-00441
63659-12-1 Cicloprolol, C-00332
63659-18-7 Betaxolol, B-00142
63659-19-8 ▷Betaxolol hydrochloride, *in* B-00142
63661-61-0 Parkinsan, *in* D-00503
63667-16-3 Dribendazole, D-00602
63675-72-9 Nisoldipine, N-00159
63676-25-5 [6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]thien-3-yl]-[4-[2-(1-pyrrolidinyl)ethoxy]phenyl]-methanone, H-00140
63686-79-3 ▷Cicloprolol hydrochloride, *in* C-00332
63700-70-9 Digiproside, *in* D-00274
63710-10-1 ▷Marcellomycin, M-00022
63758-79-2 3-[2-(4-Piperidinyl)ethyl]-1*H*-indole, P-00287
63763-54-2 *N*,*N*-Dimethyl-*N*′-(2-diisopropylaminoethyl)-*N*′-(4,6-dimethyl-2-pyridinyl)urea; B,HCl, *in* D-00428
63768-21-8 Algopriv, *in* D-00526
63775-95-1 Cyclosporins; ***Cyclosporin* B**, *in* C-00638
63775-96-2 Cyclosporins; ***Cyclosporin* D**, *in* C-00638
63824-12-4 Aliconazole; (*Z*)-*form*, *in* A-00117
63834-83-3 ▷Guaietolin, G-00093
63882-90-6 3,3-Bis(ethylthio)pentane, B-00213
63927-95-7 Bentemazole, *in* I-00033
63927-96-8 5-(1*H*-Imidaz-2-yl)-1*H*-tetrazole, I-00033
63940-51-2 Tomoxetine, T-00377
63941-73-1 Ioglucol, I-00112
63941-74-2 ▷Ioglucomide, I-00113
63958-90-7 Serum thymic factor, S-00054
63968-64-9 ▷Artemisinin, A-00452
63996-84-9 Tibalosin, T-00248
64000-73-3 Pildralazine, P-00251
64003-50-5 Antibiotic SY 1, *in* S-00017
64019-03-0 10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, O-00138
64019-93-8 Dipivefrin hydrochloride, *in* D-00518
64039-88-9 Nicafenine, N-00084
64053-00-5 Clopenthixol; (*Z*)-*form*, Decanoate ester, 2HCl, *in* C-00481
64057-48-3 Oxifungin, O-00113
64059-24-1 Sodium mercumallylate, *in* M-00123
64063-57-6 5-(Triphenylmethyl)-2-pyridinecarboxylic acid, T-00526
64063-83-8 Picotrin diolamine, *in* T-00526
64092-49-5 Zomepirac sodium, *in* Z-00035
64098-30-2 Zapizolam; *N*-Oxide, *in* Z-00005
64098-32-4 ▷Zapizolam, Z-00005
64099-44-1 Quisultazine, Q-00039
64100-62-5 Bufuralol; (*S*)-*form*, *in* B-00352
64118-86-1 ▷Azimexon, A-00524
64129-77-7 Deoxy-epi-17-salinomycin, *in* S-00017
64179-54-0 Timofibrate, T-00287
64204-55-3 Esaprazole, E-00120
64211-45-6 Oxiconazole, O-00111
64211-45-6 Oxiconazole; (*Z*)-*form*, *in* O-00111
64211-46-7 Ro 13-8996/001, *in* O-00111
64212-22-2 Nafimidone, N-00016
64212-23-3 Nafimidone; B,HNO_3, *in* N-00016
64218-02-6 Plaunotol; (*Z*,*E*,*E*)-*form*, *in* P-00373
64221-86-9 Imipenem, I-00039
64224-21-1 ▷Oltipraz, O-00042
64228-81-5 Atracurium besylate, *in* A-00472
64241-34-5 ▷Cadralazine, C-00004
64294-94-6 Tropabazate; *endo*-*form*, *in* T-00546
64294-95-7 Setastine, S-00056
64299-19-0 Denopamine; (*R*)-*form*, B,HCl, *in* D-00074
64314-52-9 Medorubicin, *in* A-00080
64318-79-2 ▷11,15-Dihydroxy-16,16-dimethyl-9-oxa-2,13-prostadienoic acid, D-00323
64318-79-2 ▷Gemeprost, G-00015
64363-63-9 Adriamycin; Demethoxy, B,HCl, *in* A-00080

64379-93-7 Cinflumide; (*E*)-*form*, *in* C-00366
64382-06-5 Suprofen; (±)-*form*, *in* S-00274
64396-09-4 Terfluranol; (1*R*,2*S*)-*form*, *in* T-00089
64401-26-9 Cinnarizine clofibrate, *in* C-00372
64405-40-9 Acitemate, A-00040
64407-98-3 Deisobutyrylolivomycin *A*, *in* O-00038
64420-40-2 Etibendazole, E-00232
64439-80-1 Camptothecin; (±)-*form*, 10-Methoxy, *in* C-00024
64439-81-2 Camptothecin; (±)-*form*, 10-Hydroxy, *in* C-00024
64461-44-5 Clitoriacetal, C-00432
64480-66-6 Glycoursodeoxycholic acid, *in* D-00320
64485-93-4 ▷Cefotaxime sodium, *in* C-00138
64490-92-2 Tolmetin sodium, *in* T-00353
64496-66-8 Salafibrate, S-00005
64506-49-6 ▷Sofalcone, S-00092
64543-63-1 Homodeoxyharringtonine, *in* H-00022
64544-07-6 Cefuroxime axetil, *in* C-00161
64552-16-5 Ecipramidil, E-00006
64552-17-6 Butofilolol; (±)-*form*, *in* B-00412
64557-97-7 Cinoquidox, C-00376
64603-91-4 4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol, T-00121
64634-09-9 2-(2-Propoxyphenyl)-5-(1*H*-tetrazol-5-yl)-4(1*H*)-pyrimidinone, P-00513
64638-07-9 4-Bromo-2,5-dimethoxy-α-methylphenethylamine; (±)-*form*, *in* B-00298
64657-20-1 8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one; (1α,6β,7β,8α,9α,13*R*)-*form*, *in* E-00090
64657-21-2 Coleonol B, *in* E-00090
64675-12-3 Clavulanic acid; (*Z*)-*form*, 3-Hydroxypropanoyl, *in* C-00410
64700-55-6 *N*-(4-Ethoxyphenyl)-2-hydroxybenzamide, E-00170
64706-54-3 Bepridil, B-00134
64743-08-4 Diclofurime; (*E*)-*form*, *in* D-00212
64743-09-5 Nitrafudam, N-00164
64748-79-4 Azumolene, A-00534
64755-14-2 Bouvardin, B-00261
64779-97-1 Irolapride; B,HCl, *in* I-00172
64779-98-2 Irolapride, I-00172
64795-23-9 Etisulergine, E-00243
64795-35-3 ▷Mesulergine, M-00140
64795-43-3 Etisulergine; B,HCl, *in* E-00243
64808-48-6 Lobenzarit sodium, *in* L-00066
64831-28-3 3,5-Dibromo-2-hydroxybenzoic acid; Et ester, *in* D-00165
64831-69-2 Tetraminol, T-00150
64831-81-8 Trental, *in* T-00150
64840-01-3 3,3,5-Trimethylcyclohexanol; (1*RS*,5*SR*)-*form*, *in* T-00506
64840-90-0 ▷Eperisone, E-00072
64860-67-9 Valperinol, V-00005
64862-96-0 Ametantrone, A-00180
64868-63-9 6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid; (5*Z*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* E-00087
64872-76-0 Butoconazole; (±)-*form*, *in* B-00410
64872-77-1 Butoconazole nitrate, *in* B-00410
64924-67-0 Halofuginone hydrobromide, *in* H-00009
64952-97-2 Latamoxef, L-00012
64953-12-4 Moxalactam disodium, *in* L-00012
64969-29-5 Cloranolol; (±)-*form*, *in* C-00493
64981-62-0 3′,4′-Dideoxy-6′-*N*-methylbutirosin *A*, *in* B-00408
65002-17-7 ▷Bucillamine; (*R*)-*form*, *in* B-00337
65008-93-7 Bometolol, B-00251
65009-35-0 ▷Lidamidine hydrochloride, *in* L-00043
65009-45-2 ▷1-(2,6-Diethylphenyl)-3-(methylamidino)urea; B,HCl, *in* D-00252
65025-70-9 3′,4′-Dideoxy-6′-*N*-methylbutirosin *B*, *in* B-00408
65043-22-3 ▷Indeloxazine hydrochloride, *in* I-00055
65052-63-3 Cefetamet, C-00126
65057-90-1 ▷Tallysomycin *A*, T-00010
65085-01-0 Cefmenoxime, C-00130
65089-17-0 ▷Pirinixil, P-00333
65105-52-4 Strobilurin B, *in* M-00469
65119-31-5 1-Phenylsemicarbazide; 4-Me, *in* P-00207
65141-45-9 Nicorandil; B,HCl, *in* N-00102
65141-46-0 Nicorandil, N-00102
65141-58-4 Nicorandil; B,HNO_3, *in* N-00102
65184-10-3 ▷Teoprolol, T-00075
65195-51-9 Avermectin A_{1a}, A-00479
65195-52-0 Avermectin A_{1b}, A-00480
65195-53-1 Avermectin A_{2a}, A-00481
65195-54-2 Avermectin A_{2b}, A-00482
65195-55-3 Avermectin B_{1a}, A-00483
65195-56-4 Avermectin B_{1b}, A-00484
65195-57-5 Avermectin B_{2a}, A-00485
65195-58-6 Avermectin B_{2b}, A-00486
65202-63-3 4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol; B,HBr, *in* T-00121
65222-35-7 ▷Pazelliptine, P-00046
65222-75-5 N-Demethylaklavine, *in* A-00089
65236-29-5 Prenoverine, P-00421
65271-80-9 Mitozantrone, M-00407
65277-42-1 ▷Ketoconazole, K-00016
65285-58-7 Vincantril, V-00035
65285-81-6 Plafibride; B,HCl, *in* P-00369
65286-65-9 9-Arabinofuranosyladenine; β-D-*form*, 3′-Ac, *in* A-00435
65307-12-2 Cefetrizole, C-00127
65322-72-7 ▷Endralazine mesylate, *in* E-00050
65329-79-5 Mobenzoxamine, M-00412
65331-01-3 Dimepropion; (±)-*form*, *in* D-00382
65350-86-9 Meciadanol, *in* P-00081
65400-85-3 Ethyl carfluzepate, E-00179
65415-41-0 Nicocortonide, N-00096
65415-42-1 Oxabrexine, O-00073
65429-87-0 Spirendolol; (±)-*form*, *in* S-00119
65470-21-5 11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid; (5*Z*,11*R*,13*E*,15*R*)-*form*, Adamantamine salt, *in* D-00322
65472-88-0 Naftifine; (*E*)-*form*, *in* N-00024
65473-14-5 Naftifine hydrochloride, *in* N-00024
65500-65-4 (1-Methylheptyl)hydrazine; (−)-*form*, *in* M-00258
65500-66-5 (1-Methylheptyl)hydrazine; (−)-*form*, Oxalate (1:1), *in* M-00258
65509-24-2 Maroxepin, M-00025
65509-25-3 Maroxepin; B,HCl, *in* M-00025
65509-66-2 Citatepine, C-00401
65511-41-3 Nantradol, N-00038
65511-42-4 Nantradol hydrochloride, *in* N-00038
65517-27-3 Metaclazepam, M-00145
65528-82-7 Dimepropion; (*R*)-*form*, *in* D-00382
65567-32-0 5-Ethyl-5-phenyl-2,4-imidazolinedione; (*R*)-*form*, *in* E-00215
65567-34-2 5-Ethyl-5-phenyl-2,4-imidazolinedione; (*S*)-*form*, *in* E-00215
65569-29-1 Cloxacepride, C-00514
65569-32-6 Cloxacepride; B,HCl, *in* C-00514
65571-68-8 4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269
65573-02-6 ▷Impromidine hydrochloride, *in* I-00046
65586-25-6 Ophiopogonin C, *in* S-00128
65606-61-3 (3,5,5-Trimethylhexanoyl)ferrocene, T-00509
65620-66-8 Tenamfetamine; (*S*)-*form*, *in* T-00066
65634-39-1 4,4′-[1-Methyl-2-(2,2,2-trifluoroethyl)]-1,2-ethanediylbis[2-fluorophenol], *in* T-00089
65646-68-6 *N*-(4-Hydroxyphenyl)retinamide, H-00197
65652-44-0 Pirbuterol acetate, *in* P-00316
65655-59-6 Pacrinolol, P-00001
65700-47-2 Antibiotic SQ 14359, A-00409
65708-37-4 2-(Phosphonooxy)-4-(trifluoromethyl)benzoic acid, P-00218
65717-97-7 Disofenin, D-00536
65732-47-0 Tegafur; (±)-*form*, *in* T-00055
65761-24-2 Sulfamazone, S-00195
65767-06-8 Wy 25021, *in* R-00075
65776-67-2 Afurolol, A-00082
65792-05-4 Agrimophol, A-00085
65807-02-5 Goserelin, G-00081
65814-04-2 Polymyxin B_1; Phosphate(1:5), *in* P-00384

65844-28-2 Prostacyclin; (5*E*,9*S*,11*R*,13*E*,15*S*)-*form*, *in* P-00528
65847-85-0 Morniflumate, M-00444
65881-57-4 Vephylline; B,HCl, *in* V-00016
65884-46-0 ▷Ciadox, C-00317
65886-71-7 Fazarabine, F-00020
65896-14-2 Romifidine; B,HCl, *in* R-00082
65896-16-4 Romifidine, R-00082
65899-72-1 Alozafone, A-00145
65899-73-2 Tioconazole, T-00298
65910-27-2 Emetine; (±)-*form*, *in* E-00036
65914-79-6 Dihydroergocryptine; [5′α(*S*)]-*form*, B,$MeSO_3H$, *in* D-00285
65928-58-7 ▷Dienogest, D-00224
65950-99-4 Pirquinozol, P-00356
65973-37-7 Molindone; (±)-*form*, *in* M-00423
65973-38-8 Molindone; (−)-*form*, *in* M-00423
65983-36-0 4-Thiazolidinecarboxylic acid; (*R*)-*form*, Me ester; B,HCl, *in* T-00183
66022-27-3 Prenoverine citrate, *in* P-00421
66023-94-7 Alafosfalin; $(S)_C(S)_P$-*form*, *in* A-00091
66051-63-6 Halofantrine; (±)-*form*, *in* H-00007
66085-59-4 Nimodipine, N-00149
66093-35-4 Talmetoprim, T-00012
66101-52-8 ▷*N*-(2-Bromo-3-methylbutanoyl)urea; (±)-*form*, *in* B-00307
66104-22-1 Pergolide, P-00119
66104-23-2 ▷Pergolide mesylate, *in* P-00119
66108-95-0 Iohexol, I-00117
66112-59-2 Temurtide, T-00065
66170-37-4 Heneicomycin, *in* M-00413
66171-52-6 ▷Alaproclate; (*R*)-*form*, B,HCl, *in* A-00094
66171-60-6 Alaproclate; (±)-*form*, B,HCl, *in* A-00094
66171-74-2 Alaproclate; (*R*)-*form*, Tartrate, *in* A-00094
66172-75-6 Verofylline, V-00022
66183-70-8 Cipropride; (*S*)-*form*, *in* C-00391
66185-72-6 7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one; Benzoyl, *in* H-00156
66195-31-1 Ibopamine, I-00005
66203-00-7 Carocainide, C-00085
66203-94-9 Murocainide, M-00471
66208-11-5 4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine; *cis*-*form*, *in* D-00444
66208-12-6 4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine; *cis*-*form*, Maleate (2:1), *in* D-00444
66211-92-5 ▷Detorubicin, D-00108
66215-27-8 Cyromazine, C-00653
66251-06-7 5-Spirostene-1,3-diol; (1β,3α,25*R*)-*form*, *in* S-00128
66264-77-5 Sulfinalol, S-00214
66267-44-5 4-Hydroxy-2-pyrrolidinecarboxylic acid; (2*S*,4*S*)-*form*, *N*-Ac, *in* H-00210
66277-10-9 4″-Demethylgentamicin C_2, *in* G-00018
66289-51-8 5-Spirosten-3-ol; (3α,25*R*)-*form*, 3-*O*-β-D-Glucopyranoside, *in* S-00129
66289-52-9 5-Spirosten-3-ol; (3α,25*R*)-*form*, *in* S-00129
66292-52-2 Butilfenin, B-00405
66292-53-3 Iprofenin, I-00160
66304-03-8 Epicainide, E-00073
66309-69-1 ▷Cefotiam hydrochloride, JAN, *in* C-00140
66322-28-9 4″-Demethylgentamicin C_1, *in* G-00018
66327-51-3 Fuzlocillin, F-00304
66334-86-9 Enviradene, E-00070
66357-35-5 ▷Ranitidine, R-00011
66364-73-6 Enpiroline; (1*RS*,2*RS*)-*form*, *in* E-00064
66364-74-7 Enpiroline phosphate, *in* E-00064
66428-10-2 Clavulanic acid; (*E*)-*form*, Me ester, *in* C-00410
66428-84-0 8,13-Epoxy-1,6,7,9-tetrahydroxy-14-labden-11-one, E-00090
66451-06-7 Bornaprolol, B-00256
66474-36-0 Cefivitril, C-00128
66504-75-4 Bicifadine hydrochloride, *in* M-00285
66508-37-0 Fosmidomycin; Mono-Na salt, *in* F-00257
66508-53-0 Fosmidomycin, F-00257
66516-09-4 Mertiatide, M-00129
66522-52-9 2-Chloro-5′-sulfamoyladenosine, *in* C-00214
66529-17-7 Midaglizole; (±)-*form*, *in* M-00365
66532-85-2 Propacetamol, P-00485
66535-86-2 ▷Lotrifen, L-00104
66547-09-9 Ansamitocin P-3′, *in* M-00027
66547-10-2 Ansamitocin P-4, *in* M-00027
66556-74-9 Nabitan, N-00003
66556-78-3 Nicoumalone; (*S*)-*form*, *in* N-00105
66564-14-5 Cinitapride, C-00368
66564-16-7 Ciclosidomine, C-00333
66575-29-9 Coleonol, *in* E-00090
66584-72-3 ▷Ansamitocin P-3, *in* M-00027
66608-04-6 Rolgamidine, R-00075
66608-32-0 Imcarbofos, I-00027
66634-12-6 Nicotinamide salicylate, *in* H-00112
66635-83-4 Ketorolac, K-00019
66635-85-6 Anirolac; (±)-*form*, *in* A-00393
66635-92-5 Ketorolac; (*S*)-*form*, *in* K-00019
66640-93-5 2,5-Diamino-2-(difluoromethyl)pentanoic acid; (−)-*form*, *in* D-00126
66644-81-3 Veralipride, V-00018
66679-16-1 Allylprodine; (3*R*,4*S*)-*form*, *in* A-00133
66701-25-5 Estate, E-00125
66711-21-5 Apraclonidine, A-00427
66722-44-9 Bisoprolol, B-00233
66722-45-0 Bisoprolol fumarate, *in* B-00233
66734-12-1 Butopamine; (*R*,*R*)-*form*, *in* B-00414
66734-13-2 Alclometasone dipropionate, *in* A-00104
66749-20-0 Paromomycin; 2′-*N*-Et, Sulfate, *in* P-00039
66749-41-5 Butirosin 1709E_2, *in* B-00408
66753-47-7 Dehydrosinefungin, *in* S-00078
66759-48-6 Desocriptine, D-00098
66762-58-1 3″-N-Demethylsisomicin, *in* S-00082
66778-36-7 Encainide; (±)-*form*, *in* E-00044
66778-37-8 Orconazole; (±)-*form*, *in* O-00054
66778-38-9 Orconazole nitrate, *in* O-00054
66813-51-2 Alexitol sodium, *in* A-00108
66834-20-6 Cianopramine; B,HCl, *in* C-00320
66834-24-0 Cianopramine, C-00320
66849-33-0 Ifosfamide; (*S*)-*form*, *in* I-00021
66849-34-1 Ifosfamide; (*R*)-*form*, *in* I-00021
66852-54-8 Ulobetasol propionate, *in* U-00006
66866-63-5 ▷Lutrelin, L-00117
66871-56-5 Lidamidine, L-00043
66877-67-6 Domoprednate, D-00574
66887-96-5 Propikacin, P-00502
66898-60-0 Talosalate, T-00015
66898-62-2 ▷Talniflumate, T-00013
66921-16-2 Carminomycin I; 13-Benzoylhydrazine, B,HCl, *in* C-00081
66921-56-0 Songorine N-oxide, *in* S-00100
66934-18-7 Flunoxaprofen; (*S*)-*form*, *in* F-00171
66943-28-0 Thymopoietin; Thymopoietin I, *in* T-00226
66959-92-0 Metkefamide; B,HCl, *in* M-00325
66960-34-7 Metkefamide, M-00325
66960-35-8 Metkefamide acetate, *in* M-00325
66965-37-5 5-*epi*-5,6-Dihydroxypolyangioic acid, *in* A-00171
66969-81-1 Tiodazosin, T-00299
66981-73-5 Tianeptine, T-00240
66984-59-6 Cinfenoac, C-00365
66985-17-9 Ipratropium bromide, *in* I-00155
67009-58-9 Metazocine; (1*S*,5*S*,9*R*)-*form*, *in* M-00155
67020-02-4 2,2-Diethyl-4-pentenoic acid, D-00251
67037-37-0 ▷2,5-Diamino-2-(difluoromethyl)pentanoic acid; (±)-*form*, *in* D-00126
67040-53-3 Tiprostanide, T-00318
67089-84-3 4-Thiazolidinecarboxylic acid; (*R*)-*form*, B,HCl, *in* T-00183
67102-87-8 Pentomone, P-00103
67110-79-6 Luprostiol, L-00114
67121-76-0 Fluperlapine, F-00200
67154-93-2 5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione; (±)-*form*, 1,3-*N*-Di-Me, *in* C-00283
67154-94-3 5-Chloro-2,4,6(1*H*,3*H*,5*H*)pyrimidinetrione; (±)-*form*, 1-*N*-Me, *in* C-00283
67165-56-4 Diclofensine, D-00211
67165-57-5 1-(2,6-Diethylphenyl)-3-(methylamidino)urea, D-00252

67182-81-4 Bispyrithione magsulfex, *in* D-00551
67214-43-1 Antibiotic RP 35391, *in* S-00078
67227-55-8 Primidolol, P-00435
67227-56-9 Fenoldopam, F-00063
67253-23-0 Promethazine; (+)-*form*, *in* P-00478
67254-81-3 Peradoxime, P-00111
67268-43-3 Giparmen, G-00024
67273-43-2 2-(5-Ethyl-2-pyridinyl)-1*H*-benzimidazole, E-00221
67287-54-1 Fenoldopam; (±)-*form*, B,HBr, *in* F-00063
67289-79-6 Trazolopride; B,HCl, *in* T-00406
67330-25-0 ▷Ufenamate, U-00002
67335-48-2 α-Phenyl-2-piperidinemethanol; (α*RS*,2*RS*)-*form*, *in* P-00197
67337-44-4 Sarmoxicillin, *in* O-00104
67346-49-0 Formoterol; (1′*R*,4′*R*)-*form*, *in* F-00247
67346-51-4 Formoterol; (1′*R*,4′*S*)-*form*, *in* F-00247
67360-38-7 7-Cyanoquinoline, *in* Q-00030
67370-03-0 Desacetylprotoveratrine B, *in* P-00543
67372-50-3 Cyclomethasone, C-00624
67375-42-2 Desacetylprotoveratrine A, *in* P-00543
67394-31-4 Verilopam hydrochloride, *in* V-00021
67410-34-8 Monensin; Monensin *A*, 3-*O*-De-Me, Na salt, *in* M-00428
67432-21-7 Etozolin, *in* O-00169
67452-97-5 Alclometasone, A-00104
67467-83-8 Amorolfine, A-00359
67489-39-8 Talmetacin, T-00011
67511-17-5 Delergotrile; B,$MeSO_3H$, *in* D-00052
67531-76-4 Xilobam; B,HCl, *in* X-00014
67531-77-5 Xilobam; B,H_2SO_4, *in* X-00014
67542-41-0 Imuracetam, I-00047
67542-43-2 Paracetamol thenoate, *in* A-00298
67565-44-0 Ozolinone; (*S*)-(*Z*)-*form*, *in* O-00169
67577-23-5 Pivenfrine, P-00364
67579-24-2 Bromadoline, B-00282
67608-58-6 4-Amino-2-hydroxybenzonitrile, *in* A-00264
67610-10-0 Peradoxime; (±)-*form*, B,2HCl, *in* P-00111
67652-33-9 Bucromarone; B,HCl, *in* B-00342
67683-58-3 2,2′-(Dithiodicarbonothioyl)bis[*N*-(2-methoxyethyl)-1-cyclopenten-1-amine, D-00552
67696-82-6 Acrihellin, *in* T-00477
67699-40-5 Vinzolidine, V-00048
67699-41-6 Vinzolidine sulfate, *in* V-00048
67700-30-5 α-Methyl-3-phenyl-7-benzofuranacetic acid; (±)-*form*, *in* M-00286
67724-50-9 Suxethonium(2+), S-00282
67727-64-4 3,4-Dihydroxybenzaldehyde; Di-Ac, *in* D-00311
67765-04-2 4-(4-Ethylphenyl)piperidine, E-00217
67765-33-7 4-(4-Ethylphenyl)piperidine; B,HCl, *in* E-00217
67793-71-9 Draquinolol, D-00600
67834-92-8 *p*,*p*′-(2-Pyridinylmethylene)bis(phenyl palmitate), P-00577
67884-29-1 3,4′-Dihydroxy-5-methoxybibenzyl, *in* D-00345
67901-35-3 Rociverine; B,HCl, *in* R-00071
67915-31-5 Terconazole, T-00086
67921-06-6 Coleonol C, *in* E-00090
67992-58-9 Ioxaglate sodium, *in* I-00148
68006-14-4 N^5-Aspartylglutamic acid; L-L-*form*, *in* A-00461
68020-42-8 4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, C-00273
68020-77-9 Carprazidil, C-00098
68077-27-0 Norfloxacin; B,HCl, *in* N-00214
68107-81-3 Acebutolol; (*R*)-*form*, *in* A-00006
68162-52-7 Drobuline; (±)-*form*, B,HCl, *in* D-00603
68170-69-4 (4′α)-4′-Deoxy-22-oxovincaleukoblastine, *in* V-00037
68170-97-8 2-Tetradecyloxiranecarboxylic acid, T-00110
68206-94-0 Cloricromen, C-00497
68238-36-8 Isosulfan Blue, I-00212
68247-85-8 ▷Pepleomycin, P-00108
68252-19-7 Pirmenol; (α*RS*,2′*RS*,5′*SR*)-*form*, *in* P-00342
68278-23-9 Eflornithine hydrochloride, *in* D-00126
68284-69-5 Disobutamide, D-00535
68289-14-5 Metrazifone, M-00341
68291-97-4 Zonisamide, *in* B-00087
68298-00-0 Pirnabin; (±)-*form*, *in* P-00343
68302-57-8 Amoxanox, A-00361
68307-81-3 ▷Trioxifene mesylate, *in* T-00520
68318-20-7 Verilopam, V-00021
68350-70-9 Diprophylline; (±)-*form*, *in* D-00523
68359-37-5 Cyfluthrin, C-00642
68367-52-2 Sorbinil; (*S*)-*form*, *in* S-00104
68373-11-5 Quisqualamine, Q-00038
68373-14-8 Sulbactam, *in* P-00065
68374-35-6 Pindolol; (*R*)-*form*, *in* P-00270
68377-91-3 Almart, *in* A-00447
68377-92-4 Arotinolol; (±)-*form*, *in* A-00447
68379-02-2 Clofilium(1+), C-00457
68379-03-3 Clofilium phosphate, *in* C-00457
68399-58-6 Pipecuronium(2+), P-00277
68401-81-0 Ceftizoxime, C-00158
68401-82-1 ▷Ceftizoxime sodium, *in* C-00158
68426-53-9 11-Hydroxycamptothecin, *in* C-00024
68461-37-0 Cinfenoac; (*E*)-*form*, *in* C-00365
68475-40-1 Cipropride, C-00391
68475-42-3 Anagrelide, A-00376
68483-33-0 Indometacin paracetamol ester, *in* I-00065
68491-57-6 Taziprinone; (4*RS*,4*aRS*,9*bSR*)-*form*, B,2HCl, *in* T-00042
68497-62-1 Pramiracetam, P-00397
68506-86-5 4-Amino-5-hexenoic acid; (±)-*form*, *in* A-00260
68535-69-3 Benextramine; B,4HCl, *in* B-00049
68548-99-2 Oxindanac, O-00116
68550-75-4 Cilostamide, C-00346
68556-59-2 Prosulpride, P-00530
68560-29-2 Caerulomycin B, *in* C-00006
68560-30-5 Caerulomycin C, *in* C-00006
68567-30-6 Solpecainol, S-00094
68567-97-5 4-Hydroxy-2-oxo-1-pyrrolidineacetamide; (±)-*form*, *in* H-00188
68576-86-3 Enciprazine; (±)-*form*, *in* E-00045
68576-88-5 Enciprazine; (±)-*form*, B,2HCl, *in* E-00045
68592-15-4 3′,5-Di(2-propenyl)-2,4′-biphenyldiol; 4′-Me ether, *in* D-00522
68613-14-9 Tonazocine; B,HCl, *in* T-00379
68616-83-1 Pentamorphone, P-00087
68630-75-1 Buserelin acetate, *in* B-00377
68635-50-7 Deloxolone, D-00057
68635-51-8 Deloxolone sodium, *in* D-00057
68677-06-5 Lorapride, L-00091
68681-42-5 Tonazocine mesylate, *in* T-00379
68681-43-6 Zenazocine, Z-00008
68693-11-8 Modafinil, M-00417
68693-30-1 Somantadine hydrochloride, *in* A-00064
68741-18-4 Buterizine, B-00398
68745-05-1 Brindoxime; B,HCl, *in* B-00272
68766-96-1 5-Oxo-2-pyrrolidinecarboxylic acid; (*R*)-*form*, Et ester, *in* O-00140
68767-14-6 Loxoprofen, L-00108
68779-22-6 Butikacin; Sulfate salt, *in* B-00404
68786-66-3 Triclabendazole, T-00446
68788-56-7 Etacepride, E-00132
68797-29-5 Pipradimadol, P-00305
68813-55-8 Oxantel embonate, *in* O-00087
68832-48-4 2-Amino-3-fluorobutanedioic acid; (2*RS*,3*SR*)-*form*, *in* A-00257
68832-50-8 2-Amino-3-fluorobutanedioic acid; (2*RS*,3*RS*)-*form*, *in* A-00257
68839-67-8 1-Amino-2-nitro-1,2-diphenylethylene; (*Z*)-*form*, *N*-Me, *in* A-00293
68844-77-9 ▷Astemizole, A-00466
68859-20-1 Insulin argine, I-00077
68876-74-4 Zocainone; (*E*)-*form*, *in* Z-00024
68890-05-1 Meglumine iotroxinate, *in* I-00145
68890-66-4 Piroctone olamine, *in* P-00344
68902-57-8 Metioprim, M-00320
68959-20-6 Disiquonium chloride, *in* D-00534
69004-03-1 Toltrazuril, T-00371
69014-14-8 ▷Tiotidine, T-00305
69017-89-6 Ipexidine, I-00151

69017-90-9 Ipexidine mesylate, *in* I-00151
69046-12-4 Cipropride; (±)-*form*, *in* C-00391
69046-13-5 Cipropride; (*S*)-*form*, B,$MeSO_3H$, *in* C-00391
69046-23-7 Cipropride; (±)-*form*, B,HCl, *in* C-00391
69047-39-8 Binifibrate, B-00170
69049-72-5 Nedocromil; Di-Et ester, *in* N-00060
69049-73-6 Nedocromil, N-00060
69049-74-7 FPL 59002KP, *in* N-00060
69104-87-6 Diohippuric acid; 3,5-Diiodo, *in* D-00470
69118-25-8 Cinepaxadil, C-00361
69123-90-6 Fiacitabine; β-D-*form*, *in* F-00101
69124-05-6 Fiacitabine; β-D-*form*, B,HCl, *in* F-00101
69132-42-9 Ceftioxide, *in* C-00138
69156-06-5 Sulosemide; Na salt, *in* S-00233
69175-77-5 Losindole; (±)-*form*, *in* L-00101
69198-10-3 Metronidazole hydrochloride, *in* M-00344
69207-52-9 Methyl palmoxirate, *in* T-00110
69207-57-4 Carazolol; (±)-*form*, *in* C-00038
69217-67-0 Sumacetamol, S-00267
69238-60-4 (2-Iodobenzoyl)aminoacetic acid; Me ester, *in* I-00101
69304-47-8 ▷5-(2-Bromovinyl)-2′-deoxyuridine; (*E*)-*form*, *in* B-00322
69319-47-7 ▷FM 24, *in* B-00256
69356-54-3 C-Alkaloid F, *in* C-00016
69365-65-7 Fenoctimine, F-00061
69365-67-9 Fenoctimine sulfate, *in* F-00061
69373-88-2 BRL 40015*A*, *in* D-00527
69373-95-1 Diproteverine, D-00527
69381-94-8 Fenprostalene, F-00074
69387-87-7 Tinisulpride, T-00294
69387-88-8 Tinisulpride; (±)-*form*, B,HCl, *in* T-00294
69388-79-0 Sulbactam pivoxil, *in* P-00065
69388-84-7 Sulbactam sodium, *in* P-00065
69402-03-5 Piridicillin sodium, *in* P-00325
69408-81-7 Amonafide, A-00356
69414-41-1 Piridicillin, P-00325
69425-13-4 Prifelone, P-00429
69427-46-9 Acitretin; (2*Z*,4*E*,6*E*,8*E*)-*form*, *in* A-00041
69428-33-7 Carminazone, *in* C-00081
69429-84-1 Cilobamine; (2*R*,3*R*)-*form*, *in* C-00344
69429-85-2 Cilobamine mesylate, *in* C-00344
69479-26-1 Pirepolol, P-00322
69494-04-8 ▷Doxpicomine hydrochloride, *in* D-00406
69520-53-2 Mexazolam; *cis*-*form*, *in* M-00350
69539-53-3 Etintidine, E-00237
69558-55-0 Thymopentin, T-00225
69567-10-8 1,5-Dideoxy-1,5-(methylimino)-D-glucitol, *in* T-00481
69624-60-8 Nelezaprine; (*E*)-*form*, *in* N-00065
69635-63-8 Amipizone, A-00344
69648-38-0 Butaprost, B-00395
69648-40-4 Oxoprostol, O-00137
69655-05-6 2′,3′-Dideoxyinosine, D-00221
69657-51-8 Acyclovir sodium, *in* A-00060
69698-55-1 Chloroquine; (+)-*form*, B,$2H_3PO_4$, *in* C-00284
69712-56-7 ▷Cefotetan, C-00139
69739-16-8 Cefodizime, C-00134
69756-53-2 Halofantrine, H-00007
69770-45-2 Flumethrin, F-00158
69787-79-7 ▷Avilamycin A, *in* A-00487
69787-80-0 Avilamycin *C*, A-00487
69790-18-7 Benextramine, B-00049
69815-38-9 Proxorphan; (−)-*form*, *in* P-00549
69815-39-0 Proxorphan tartrate, *in* P-00549
69849-37-2 (1-Thioglucopyranosato-2,3,4,6-tetraacetato)gold, *in* T-00201
69866-21-3 ▷Rachelmycin, R-00001
69884-15-7 ▷Bay d8815, *in* A-00190
69900-72-7 Trimoprostil, T-00517
69907-17-1 Indopanolol, I-00066
69915-62-4 1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid; *cis*-*form*, *in* M-00268
69930-61-6 Clenizole hydrochloride, *in* C-00419
69955-42-6 2,5-Diamino-2-(difluoromethyl)pentanoic acid; (−)-*form*, B,HCl, *in* D-00126
69975-86-6 ▷Doxofylline, D-00596
70009-66-4 Oxalinast, O-00079
70018-51-8 Quazinone, Q-00005
70022-35-4 20-Deoxynarasin, *in* N-00050
70024-40-7 Terazosin hydrochloride, *in* T-00080
70050-55-4 2,5-Diamino-2-(difluoromethyl)pentanoic acid; (+)-*form*, B,HCl, *in* D-00126
70051-99-9 20-Deoxy-17-epinarasin, *in* N-00050
70052-00-5 Narasin *A*; Na salt, *in* N-00050
70052-12-9 ▷2,5-Diamino-2-(difluoromethyl)pentanoic acid, D-00126
70111-54-5 Loprazolam mesylate, *in* L-00089
70132-50-2 Pimonidazole, P-00262
70132-51-3 Pimonidazole; B,HCl, *in* P-00262
70133-85-6 EGYT 2509, *in* T-00392
70161-09-0 Democonazole, D-00068
70161-10-3 Medroxalol hydrochloride, *in* M-00058
70169-80-1 Lofemizole hydrochloride, *in* C-00269
70181-03-2 Dazopride, D-00027
70189-79-6 *N*-(2-Chloroethyl)-*N*′-(2-hydroxyethyl)-*N*-nitrosourea; *N*′-Me, *in* C-00237
70209-81-3 Ivermectin; Ivermectin B_{1b}, *in* I-00225
70222-86-5 Levonantradol hydrochloride, *in* N-00038
70260-53-6 Mindodilol; (±)-*form*, *in* M-00383
70280-88-5 Luostyl, *in* D-00261
70287-57-9 9,11,15,19-Tetrahydroxy-5,13-prostadienoic acid; (5*Z*,8*R*,9*S*,11*R*,13*E*,15*S*,19*R*)-*form*, *in* T-00139
70288-86-7 ▷Ivermectin, I-00225
70312-00-4 Tolnapersine, T-00355
70369-47-0 Bucindolol hydrochloride, *in* B-00338
70374-39-9 Lornoxicam, L-00098
70384-29-1 Peplomycin sulfate, JAN, *in* P-00108
70393-50-9 Agrobactin, A-00086
70441-81-5 ANP 4364, *in* D-00212
70449-94-4 Dizocilpine, D-00560
70458-92-3 Pefloxacin, *in* N-00214
70458-96-7 ▷Norfloxacin, N-00214
70476-82-3 ▷Mitoxantrone hydrochloride, *in* M-00407
70502-82-8 Y 12141, *in* T-00402
70509-95-4 Acronycine; B,HCl, *in* A-00050
70527-88-7 8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; (1(10)*E*,4*E*,6α,8β)-*form*, 4α,5β-Epoxide, 8-tiglyl, *in* H-00134
70529-35-0 Itazigrel, I-00221
70541-17-2 Oxazafone, O-00095
70541-21-8 Dinazafone; B,HCl, *in* D-00465
70550-00-4 8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; (1(10)*E*,4*E*,6α,8β)-*form*, 8-(2-Hydroxymethyl-2*E*-butenoyl), *in* H-00134
70550-01-5 8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; (1(10)*E*,4*E*,6α,8β)-*form*, 8-(2-Acetoxymethyl-2*E*-butenoyl), *in* H-00134
70590-44-2 6-Amino-4,5,6,7-tetrahydrobenzothiazole; *N*-Me, B,HCl, *in* A-00334
70590-58-8 4,5,6,7-Tetrahydro-*N*-methyl-6-benzothiazolamine, *in* A-00334
70590-66-8 6-Amino-4,5,6,7-tetrahydrobenzothiazole, A-00334
70590-77-1 6-Amino-4,5,6,7-tetrahydrobenzothiazole; B,HCl, *in* A-00334
70639-48-4 Etisomicin, E-00242
70658-70-7 O^{27}-De(2-amino-3-methyl-1-oxobutyl)boromycin, *in* B-00258
70667-26-4 Ornoprostil, O-00060
70696-66-1 Napirimus, N-00046
70696-67-2 Napirimus; Cpd. with morpholine, *in* N-00046
70704-03-9 Vinconate; (±)-*form*, *in* V-00036
70711-40-9 Ametantrone acetate, *in* A-00180
70724-25-3 Carbazeran, C-00044
70745-97-0 Tenamfetamine; (*S*)-*form*, B,HCl, *in* T-00066
70775-75-6 Octenidine hydrochloride, *in* O-00020
70788-27-1 Acefylline clofibrol, *in* A-00011
70788-28-2 ▷Flurofamide, F-00220
70788-29-3 Tolfamide, T-00348
70796-16-6 Chloroxymorphamine; B,2HCl, *in* C-00291

70797-11-4 Cefpiramide, C-00143
70801-02-4 Flutroline, F-00232
70815-31-5 Silymonin, *in* S-00071
70833-07-7 Prifuroline, P-00431
70840-66-3 Bouvardin; 6-Me ether, *in* B-00261
70865-14-4 Conorphone hydrochloride, *in* C-00542
70879-28-6 Alfentanil hydrochloride, *in* A-00111
70891-37-1 Nafimidone hydrochloride, *in* N-00016
70895-39-5 Tipropidil hydrochloride, *in* T-00317
70895-45-3 Tipropidil, T-00317
70897-81-3 Nicoumalone; (±)-*form*, *in* N-00105
70918-01-3 Doxazosin; (±)-*form*, B,HCl, *in* D-00592
70931-18-9 Isofloxythepin, I-00187
70958-86-0 YM 09538, *in* A-00360
70976-76-0 Bifepramide, B-00162
71002-09-0 Pirazolac, P-00315
71010-45-2 Glisindamide, G-00046
71027-13-9 Eclanamine; (1*RS*,2*RS*)-*form*, *in* E-00007
71027-14-0 Eclanamine maleate, *in* E-00007
71031-15-7 2-Amino-1-phenyl-1-propanone; (*S*)-*form*, *in* A-00309
71048-87-8 Nantradol; (−)-*form*, *in* N-00038
71079-19-1 Timegadine, T-00282
71097-23-9 Zoficonazole, Z-00026
71097-24-0 Zoficonazole; (±)-*form*, B,HNO_3, *in* Z-00026
71097-83-1 Nileprost, N-00140
71116-82-0 Tiaprost, T-00244
71119-10-3 Lotifazole, L-00103
71119-11-4 Bucindolol, B-00338
71119-12-5 Dinazafone, D-00465
71125-38-7 Meloxicam, M-00082
71130-06-8 Zantac, *in* R-00011
71138-71-1 Octapinol, O-00016
71144-97-3 Probicromil calcium, *in* A-00169
71145-03-4 Bay K 8644, *in* D-00283
71195-56-7 Broclepride, B-00274
71195-57-8 1-(4-Methylphenyl)-3-azabicyclo[3.1.0]hexane; (±)-*form*, *in* M-00285
71195-58-9 Alfentanil, A-00111
71203-18-4 Methyl granaticin, *in* G-00085
71205-22-6 Almasilate, A-00136
71205-89-5 3-Hydroxy-3,3-diphenylpropanoic acid; 2-(Diethylamino)ethyl ester, *in* H-00126
71247-25-1 Ceruletide diethylamine, JAN, *in* C-00005
71251-02-0 Octenidine, O-00020
71251-04-2 Surfomer, S-00276
71276-43-2 Quadazocine; (−)-*form*, *in* Q-00001
71276-44-3 Quadazocine mesylate, *in* Q-00001
71306-36-0 Alinidine; B,HBr, *in* A-00120
71316-84-2 Fluradoline, F-00214
71320-77-9 Moclobemide, M-00415
71351-65-0 SKF 93319, *in* I-00014
71351-79-6 Icotidine, I-00014
71360-45-7 Chloroxymorphamine, C-00291
71376-02-8 3-Aminocyclopentanecarboxylic acid; (1*S*,3*S*)-*form*, *in* A-00231
71420-79-6 Cefonicid monosodium, *in* C-00135
71439-68-4 Bisantrene hydrochloride, *in* B-00191
71461-18-2 Tonazocine, T-00379
71475-35-9 *N*-[(3-Chlorophenyl)methyl]-*N'*-ethylurea, C-00268
71486-22-1 Vinorelbine, V-00041
71548-88-4 Beclobrinic acid; (±)-*form*, *in* B-00023
71576-40-4 Aptazapine, A-00433
71576-41-5 Aptazapine maleate, *in* A-00433
71585-34-7 Feniodium(1+), F-00054
71609-19-3 Nortran, *in* T-00462
71628-96-1 ▷Menogaril, M-00092
71629-86-2 2-Amino-6-diazo-5-oxohexanoic acid; (*R*)-*form*, *in* A-00238
71653-63-9 ▷Riodipine, R-00060
71675-85-9 Amisulpride, A-00347
71680-63-2 Dametralast, D-00008
71680-64-3 Dametralast; B,HCl, *in* D-00008
71697-05-7 Ketazocine; B,HCl, *in* K-00011
71697-06-8 Ketazocine; B,$MeSO_3H$, *in* K-00011
71731-58-3 ▷Tiquizium bromide, *in* T-00321
71735-88-1 Irazepine; B,HCl, *in* I-00169
71735-92-7 Irazepine, I-00169
71767-13-0 Iotasul, I-00139
71771-90-9 Denopamine; (*R*)-*form*, *in* D-00074
71800-89-0 11-Deoxydoxorubicin, *in* A-00080
71800-90-3 11-Deoxy-13-dihydrodaunorubicin, *in* D-00019
71800-91-4 11-Deoxydaunorubicin, *in* D-00019
71800-92-5 11-Deoxy-13-deoxodaunorubicin, *in* D-00019
71807-56-2 Etintidine hydrochloride, *in* E-00237
71827-03-7 Ivermectin; Ivermectin B_{1a}, *in* I-00225
71827-56-0 Clemeprol, C-00417
71827-61-7 Clemeprol; (1*RS*,2*RS*)-*form*, *in* C-00417
71827-62-8 Clemeprol; (1*RS*,2*SR*)-*form*, *in* C-00417
71827-63-9 Clemeprol; (1*RS*,2*RS*)-*form*, B,HCl, *in* C-00417
71827-64-0 Clemeprol; (1*RS*,2*SR*)-*form*, B,HCl, *in* C-00417
71830-07-4 3-Aminocyclopentanecarboxylic acid; (1*S*,3*R*)-*form*, *in* A-00231
71830-08-5 3-Aminocyclopentanecarboxylic acid; (1*R*,3*S*)-*form*, *in* A-00231
71869-43-7 3-Aminocyclopentanecarboxylic acid; (1*R*,3*R*)-*form*, *in* A-00231
71872-90-7 Nitralamine, N-00165
71872-91-8 Meralein, M-00111
71883-64-2 3,7,12-Trihydroxy-24-cholanoic acid; (3α,5β,7α,12β)-*form*, *in* T-00475
71883-66-4 3,7,12-Trihydroxy-24-cholanoic acid; (3β,5β,7α,12β)-*form*, *in* T-00475
71923-01-8 Clodoxopone; B,2HCl, *in* C-00449
71923-29-0 ▷Fludoxopone, F-00146
71923-34-7 Clodoxopone, C-00449
71953-01-0 Talampicillin; Mono-2-naphthalenesulfonate, *in* T-00005
71990-00-6 Bremazocine, B-00268
72005-58-4 Vadocaine, V-00001
72060-05-0 Conorfone, C-00542
72060-90-3 3-Hydroxy-3-methylpentanedioic acid; Amide-nitrile, *in* H-00170
72060-91-4 3-Hydroxy-3-methylpentanedioic acid; Diamide, *in* H-00170
72064-79-0 ▷Prednisolone valeroacetate, *in* P-00412
72074-70-5 Eptazocine; (±)-*form*, *in* E-00097
72131-33-0 Sulotroban, S-00234
72141-57-2 Losulazine, L-00102
72150-17-5 ▷Sedapain, *in* E-00097
72170-28-6 8-Hydroxyergotamine, *in* E-00106
72238-02-9 ▷Retelliptine, R-00032
72282-84-9 Trifosfamide; (*R*)-*form*, *in* T-00469
72282-85-0 Trifosfamide; (*S*)-*form*, *in* T-00469
72293-38-0 2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5-benzothiazepin-4(5*H*)one, D-00291
72293-40-4 BTM 1042, *in* D-00291
72301-78-1 Viroximine; (*Z*)-*form*, *in* V-00056
72301-79-2 Viroximine; (*E*)-*form*, *in* V-00056
72318-55-9 Indorenate hydrochloride, *in* I-00070
72324-18-6 Stepronin, S-00145
72376-78-4 Diprophylline; (*R*)-*form*, *in* D-00523
72420-38-3 4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, D-00290
72432-03-2 Miglitol, M-00373
72432-10-1 1-(4-Methoxybenzoyl)-2-pyrrolidinone, M-00197
72444-62-3 1-Phenyl-3-(1-piperazinyl)isoquinoline, P-00196
72467-44-8 Piclonidine; (±)-*form*, *in* P-00234
72473-27-9 Paroxetine; (3*R**,4*R**)-*form*, Acetate (salt), *in* P-00040
72479-26-6 ▷Fenticonazole, F-00080
72481-99-3 Brocrinat, B-00276
72487-31-1 Labetalol; (1′*RS*,1″*SR*)-*form*, *in* L-00001
72487-32-2 Labetalol; (1′*RS*,1″*RS*)-*form*, *in* L-00001
72487-34-4 Labetalol; (1′*RS*,1″*RS*)-*form*, B,HCl, *in* L-00001
72487-35-5 Labetalol; (1′*RS*,1″*SR*)-*form*, B,HCl, *in* L-00001
72492-12-7 Spizofurone, S-00134
72496-41-4 4′-*O*-(Tetrahydropyranyl)adriamycin, *in* A-00080
72509-76-3 Felodipine, F-00028
72522-13-5 Eptazocine; (1*S*)-*form*, *in* E-00097
72526-11-5 Almagate, A-00134
72558-82-8 ▷Ceftazidime, C-00152

72559-06-9 Rifabutin, R-00044
72573-82-1 Gadoteric acid, *in* T-00101
72583-99-4 Picobenzide; *N*-Oxide, *in* P-00237
72586-21-1 Alcindoromycin, *in* M-00022
72590-77-3 ▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548
72593-09-0 Chlorethindole, C-00202
72594-33-3 20-Hexanoylcamptothecin, *in* C-00024
72594-34-4 20-Hexanoyl-10-methoxycamptothecin, *in* C-00024
72615-20-4 Bactobolin *A*, B-00005
72619-34-2 Bermoprofen; (±)-*form*, *in* B-00136
72655-02-8 3-Amino-2-hydroxyandrostan-17-one; (2β,3β,5α)-*form*, *in* A-00261
72655-12-0 3-Amino-2-hydroxyandrostan-17-one; (2α,3α,5α)-*form*, *in* A-00261
72655-57-3 3-Amino-2-hydroxyandrostan-17-one; (2β,3α,5α)-*form*, *N*-Me, *in* A-00261
72655-58-4 3-Amino-2-hydroxyandrostan-17-one; (2β,3α,5α)-*form*, *N*-Me; B,HCl, *in* A-00261
72657-06-8 Mimimycin, *in* M-00022
72676-60-9 Piritrexim; B,HCl, *in* P-00338
72679-47-1 Rentiapril, R-00022
72702-95-5 Ponalrestat, P-00387
72714-75-1 Viqualine; (3*S*,4*R*)-*form*, *in* V-00053
72716-75-7 Lupitidine hydrochloride, *in* L-00113
72732-56-0 Piritrexim, P-00338
72736-13-1 1-Phenyl-3-(1-piperazinyl)isoquinoline; B,HCl, *in* P-00196
72739-14-1 2-Amino-1-phenyl-1-propanone; (*S*)-*form*, B,HCl, *in* A-00309
72782-43-5 (Xylosylamino)benzoic acid; D-pyranose-*form*, Na salt, *in* X-00025
72786-12-0 CQ 32-085, *in* M-00140
72803-02-2 Darodipine, D-00016
72808-81-2 Tepirindole, T-00076
72822-12-9 Dapiprazole, D-00013
72822-13-0 Dapiprazole; B,HCl, *in* D-00013
72822-15-2 Dapiprazole; Maleate (1:1), *in* D-00013
72830-39-8 Oxmetidine, O-00124
72869-16-0 Pramiracetam sulfate, *in* P-00397
72887-87-7 6-Aminohexanoic acid; *N*-Di-Me, Me ester, *in* A-00259
72895-88-6 4-[(2,6-Dichlorophenyl)amino]-3-thiopheneacetic acid, D-00200
72912-14-2 Talniflumate; B,HCl, *in* T-00013
72913-80-5 D 13625, *in* A-00118
72956-09-3 Carvedilol, C-00105
72964-29-5 Fenoctimine; Fumarate, *in* F-00061
72965-80-1 4-Phenyl-2-[(2-phenylethyl)amino]thiazole; B,HBr, *in* P-00195
72973-10-5 Forfenimex; (±)-*form*, *N*-Ac, *in* F-00243
72994-79-7 15-Hydroxystrychnine, *in* S-00167
73012-74-5 Ajmalinol, *in* A-00088
73027-05-1 1-Methylisoguanosine, M-00265
73035-29-7 Pipethiadene tartrate, *in* P-00297
73036-69-8 Forfenimex; (±)-*form*, *in* F-00243
73069-13-3 4(15),7(11),8-Eudesmatrien-12,8-olide, E-00269
73080-51-0 Repirinast, R-00024
73090-70-7 Epiroprim, E-00084
73105-03-0 Pentamustine, P-00089
73121-56-9 Enprostil, E-00067
73151-24-3 Fenticonazole; (±)-*form*, B,HCl, *in* F-00080
73151-29-8 Fenticonazole nitrate, *in* F-00080
73196-97-1 Dactimicin, D-00002
73205-13-7 Ticabesone propionate, *in* T-00253
73217-88-6 Apraclonidine; B,2HCl, *in* A-00427
73218-79-8 Apraclonidine hydrochloride, *in* A-00427
73220-03-8 Remoxipride; (*S*)-*form*, B,HCl, *in* R-00021
73231-34-2 ▷Florfenicol; (1*R*,2*S*)-*form*, *in* F-00124
73239-80-2 Libavit K, *in* M-00271
73278-54-3 Lamtidine, L-00007
73285-50-4 3,4,5-Trihydroxy-2-piperidinemethanol; (2*R*,3*R*,4*R*,5*S*)-*form*, B,HCl, *in* T-00481
73334-05-1 Metronidazole phosphate, *in* M-00344
73334-07-3 Iopromide, I-00131
73372-53-9 Lofexidine; (±)-*form*, *in* L-00075
73372-54-0 Lofetensin, *in* L-00075
73384-59-5 Ceftriaxone, C-00159
73384-60-8 ▷Sulmazole, S-00227
73385-60-1 Nifalatide, N-00109
73416-48-5 Etabenzarone; B,HCl, *in* E-00131
73422-39-6 Cimoxatone; (*R*)-*form*, *in* C-00352
73422-40-9 Cimoxatone; (*S*)-*form*, *in* C-00352
73445-46-2 Fenflumizole, F-00049
73514-87-1 Fosarilate, *in* C-00254
73514-88-2 [6-(2-Chloro-4-methoxyphenoxy)hexyl]phosphonic acid; Dibutyl ester, *in* C-00254
73536-01-3 Homosulphasalazine, H-00086
73573-42-9 Rescimetol, R-00027
73573-87-2 Formoterol; (1′*RS*,4′*RS*)-*form*, *in* F-00247
73573-88-3 Compactin, C-00539
73574-69-3 Enolicam sodium, *in* E-00059
73590-03-1 Bostrycoidin 9-methyl ester, *in* B-00259
73590-58-6 Omeprazole, O-00044
73590-85-9 Ufiprazole, U-00003
73609-67-3 Phenomidon, *in* E-00218
73647-73-1 Viprostol, V-00051
73650-52-9 Baimonidine, *in* V-00024
73665-15-3 Mycinamycin I, *in* M-00474
73681-12-6 Indecainide hydrochloride, *in* I-00054
73684-69-2 Mycinamycin II, M-00474
73745-50-3 Promethazine; (±)-*form*, *in* P-00478
73747-20-3 Sulverapride, S-00266
73747-21-4 SP-325, *in* N-00004
73758-06-2 Indorenate; (±)-*form*, *in* I-00070
73764-72-4 Etamestrol, E-00135
73771-04-7 Prednicarbate, P-00410
73790-28-0 Imazalil; (±)-*form*, *in* I-00025
73803-48-2 Tripamide, T-00522
73815-11-9 ▷Cimoxatone, C-00352
73816-42-9 Meclocycline sulfosalicylate, *in* M-00044
73890-43-4 Daunomycin; 11-Deoxy; B,HCl, *in* D-00019
73890-44-5 Daunomycin; 11-Deoxy, 13-alcohol; B,HCl, *in* D-00019
73890-45-6 Daunomycin; 11-Deoxy, 13-deoxo; B,HCl, *in* D-00019
73913-63-0 Phosphoserine; (*R*)-*form*, *in* P-00220
73931-96-1 Denzimol, D-00076
73952-77-9 Flunoxaprofen; (±)-*form*, *in* F-00171
73952-94-0 Adriamycin; 11-Deoxy; B,HCl, *in* A-00080
73963-72-1 Cilostazol, C-00347
73972-50-6 ▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)amino]-2-propanol; (±)-*form*, B,2HCl, *in* D-00231
73998-68-2 1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea; Et ester; B,2HCl, *in* P-00584
73998-69-3 1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea, P-00584
73998-70-6 1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea; B,HCl, *in* P-00584
74003-63-7 3-Methyl-2-quinoxalinecarboxylic acid, M-00304
74007-05-9 Methoin; (±)-*form*, *in* M-00188
74011-30-6 Enoxacin; Et ester, *in* E-00060
74011-58-8 Enoxacin, E-00060
74014-51-0 Rokitamycin, *in* L-00034
74046-07-4 4-Amino-5-hexenoic acid; (*S*)-*form*, *in* A-00260
74050-20-7 Hydrocortisone aceponate, *in* C-00548
74050-97-8 Haloperidol decanoate, *in* H-00015
74050-98-9 Ketanserin, K-00010
74103-06-3 Ketorolac; (±)-*form*, *in* K-00019
74103-07-4 Ketorolac tromethamine, *in* K-00019
74129-03-6 Tebuquine, T-00046
74131-77-4 Ticabesone, T-00253
74135-04-9 Tyrosylprolylphenylalanylprolinamide; (1*S*,2*S*,3*S*,4*S*)-*form*, *in* T-00582
74149-70-5 Parabactin, *in* A-00086
74149-75-0 Pimobendan; B,HCl, *in* P-00261
74150-27-9 Pimobendan, P-00261
74176-31-1 Alfaprostol, A-00110
74178-36-2 6,10-Dideoxy-13-dihydrodaunomycinone, *in* D-00019

74184-79-5 Isobaimonidine, *in* V-00024
74191-85-8 Doxazosin, D-00592
74196-93-3 Quinpirole; (4*aRS*, 8*aRS*)-*form*, *in* Q-00032
74196-94-4 Quinpirole; (4*aRS*, 8*aRS*)-*form*, B,2HCl, *in* Q-00032
74220-07-8 Spirorenone, S-00127
74226-22-5 Dazoxiben hydrochloride, *in* D-00029
74228-81-2 Antibiotic SF 1854, *in* F-00252
74258-86-9 Alacepril, A-00090
74287-36-8 Democonazole; (*E*)-*form*, B,HNO_3, *in* D-00068
74315-62-1 L 9308, *in* Z-00010
74326-78-6 6β-Chloropenicillanic acid, *in* A-00295
74331-93-4 2-Hydroxy-4-imino-2,5-cyclohexadienone, H-00141
74381-53-6 Leuprolide acetate, *in* L-00035
74397-12-9 Limaprost; (17*S*)-*form*, *in* L-00050
74427-45-5 Disopyramide; (±)-*form*, *in* D-00537
74432-68-1 Butopamine; (*R*,*R*)-*form*, B,HCl, *in* B-00414
74436-00-3 Cyclosporins; Cyclosporin *G*, *in* C-00638
74464-83-8 Disopyramide; (*R*)-*form*, *in* D-00537
74469-00-4 ▷Augmentin, *in* C-00410
74476-80-5 Diphenpyramide; Maleate, *in* D-00487
74512-12-2 Omoconazole, O-00046
74516-64-6 16-Hydroxyverrucarin *A*, *in* V-00023
74517-42-3 Ditercalinium chloride, *in* D-00546
74517-78-5 Indecainide, I-00054
74531-88-7 Tioxamast, T-00307
74550-97-3 ▷Bimolane, B-00166
74559-85-6 Win 42964-4, *in* Z-00008
74561-23-2 Eptazocine; (±)-*form*, B,HBr, *in* E-00097
74578-69-1 Ceftriaxone sodium, *in* C-00159
74604-66-3 Enoxamast; Et ester, *in* E-00061
74604-76-5 Enoxamast, E-00061
74604-77-6 Enoxamast olamine, *in* E-00061
74608-63-2 8-Hydroxyverrucarin *A*, *in* V-00023
74627-35-3 Cianergoline, C-00319
74639-40-0 Docarpamine, D-00562
74658-81-4 Chlorthalidone; (+)-*form*, *in* C-00302
74666-82-3 Chlorthalidone; (±)-*form*, *in* C-00302
74685-16-8 Picenadol hydrochloride, *in* P-00232
74707-94-1 Mitomycin E, *in* P-00388
74709-54-9 Vindeburnol; (±)-*form*, *in* V-00038
74738-24-2 Recainam, R-00019
74752-07-1 Recainam hydrochloride, *in* R-00019
74752-08-2 Recainam tosylate, *in* R-00019
74759-06-1 Albendazole; *S*-Oxide; B,HCl, *in* A-00096
74764-75-3 ▷Bepridil hydrochloride, *in* B-00134
74772-32-0 6β-Iodopenicillanic acid, *in* A-00295
74772-77-3 Ciglitazone, C-00339
74790-08-2 Spiroplatin, S-00126
74798-17-7 Estradiol diundecylenate, *in* O-00028
74817-61-1 Murabutide, M-00470
74842-47-0 3-*O*-Demethylfortimicin A, *in* F-00252
74863-84-6 Argatroban, A-00440
74912-19-9 Naboctate, N-00004
74913-18-1 Dynorphin, D-00625
74958-26-2 Neonorreserpine, *in* R-00029
74978-16-8 Magaldrate, M-00005
74985-75-4 Taglutimide; *endo*-(−)-*form*, *in* T-00003
75011-65-3 Ibopamine; B,HCl, *in* I-00005
75018-71-2 Tauroselcholic acid, T-00034
75067-66-2 Bromperidol decanoate, *in* B-00324
75078-91-0 Temarotene; (*E*)-*form*, *in* T-00059
75086-96-3 10-Dihydrosteffimycin, *in* S-00143
75086-97-4 10-Dihydrosteffimycin *B*, *in* S-00143
75139-05-8 Tetronasin sodium, *in* T-00157
75139-06-9 Tetronasin, T-00157
75139-07-0 Tetronasin; K salt, *in* T-00157
75184-94-0 Fenprinast, F-00072
75202-10-7 Nicotine, N-00103
75207-21-5 Antibiotic 2562B, *in* C-00221
75219-46-4 Bestrabucil, *in* O-00028
75240-91-4 3-(3-Hydroxyphenyl)-1-propylpiperidine, H-00194
75292-92-1 Prifuroline; (±)-*form*, B,HCl, *in* P-00431
75308-65-5 *N*,*N*-Dimethyl-*N'*-(2-diisopropylaminoethyl)-*N'*-(4,6-dimethyl-2-pyridinyl)urea, D-00428
75330-75-5 ▷Mevinolin, M-00348
75331-19-0 Carteolol; (*R*)-*form*, *in* C-00102
75367-97-4 8-Deoxyrifamycin B, *in* R-00047
75413-56-8 Ditercalinium(2+); Dichloride; B,2HCl, *in* D-00546
75437-14-8 Milverine, M-00379
75438-57-2 Moxonidine, M-00468
75443-89-9 SRS-A, S-00136
75444-65-4 Pirenperone, P-00320
75452-62-9 Minocromil; Di-Na salt, *in* M-00386
75458-65-0 Tienocarbine, T-00260
75464-11-8 Butantrone, B-00393
75507-68-5 Flupirtine maleate, *in* F-00204
75520-89-7 Colchicine; (*R*)-*form*, *in* C-00534
75522-73-5 Dazidamine, D-00024
75523-08-9 6,8-Dimethoxyflavone, *in* D-00326
75524-61-7 Thiostrepton; Thiostrepton *B*, *in* T-00210
75529-73-6 Amperozide; B,HCl, *in* A-00365
75530-68-6 Nilvadipine, N-00144
75554-03-9 Bremazocine; (±)-*form*, B,HCl, *in* B-00268
75558-90-6 Amperozide, A-00365
75564-40-8 Biclodil hydrochloride, *in* B-00153
75607-67-9 ▷Fludarabine phosphate, *in* F-00142
75614-87-8 α-Methylhistamine; (*R*)-*form*, *in* M-00260
75614-88-9 α-Methylhistamine; (*R*)-*form*, Dipicrate, *in* M-00260
75614-89-0 α-Methylhistamine; (*R*)-*form*, B,2HCl, *in* M-00260
75615-94-0 Ciprazafone; B,HCl, *in* C-00386
75616-02-3 Dulozafone, D-00619
75616-03-4 Ciprazafone, C-00386
75626-99-2 Terbutaline di(*p*-toluate), *in* T-00084
75659-07-3 Labetalol; (1′*R*,1″*R*)-*form*, *in* L-00001
75659-08-4 Dilevalol hydrochloride, *in* L-00001
75684-07-0 Bremazocine; (−)-*form*, *in* B-00268
75689-93-9 Imanixil, I-00024
75695-93-1 Isradipine, I-00219
75696-02-5 ▷Cinolazepam, C-00375
75697-43-7 Tienocarbine; Maleate, *in* T-00260
75697-45-9 TVX 4148, *in* T-00260
75697-71-1 2,4-Dihydroxybenzophenone; Di-Ac, *in* D-00318
75706-12-6 Leflunomide, L-00019
75708-29-1 Adimolol; (±)-*form*, B,HCl, *in* A-00070
75733-50-5 Pramiracetam hydrochloride, *in* P-00397
75738-58-8 ▷Cefmenoxime hydrochloride, *in* C-00130
75748-50-4 Ancarolol, A-00380
75751-89-2 Iogulamide, I-00116
75755-07-6 Piridronic acid, P-00327
75820-08-5 Zidapamide, Z-00011
75821-71-5 Lonazolac calcium, *in* L-00085
75841-82-6 Mopidralazine, M-00434
75846-14-9 ▷2,2′-Dimethylcycloanimium dibromide, *in* C-00590
75847-73-3 Enalapril, *in* E-00043
75859-03-9 Rimcazole hydrochloride, *in* R-00056
75859-04-0 Rimcazole; *cis*-*form*, *in* R-00056
75867-00-4 Fenfluthrin; (1*R*,3*S*)-*form*, *in* F-00051
75887-99-9 Kenazepine, K-00008
75889-62-2 Fostedil, F-00259
75925-46-1 2-Amino-1-phenyl-1-propanone; (±)-*form*, *in* A-00309
75949-60-9 Isoxaprolol; (*E*)-(±)-*form*, *in* I-00215
75949-61-0 Pafenolol; (±)-*form*, *in* P-00002
75957-60-7 Splenopentin, S-00135
75963-52-9 Nuclomedone, N-00230
75985-31-8 Ciamexon; (±)-*form*, *in* C-00318
75991-50-3 Dazepinil, D-00023
75992-53-9 Moxadolen, M-00458
76002-75-0 Dazoquinast, D-00028
76045-67-5 Actamycin, A-00052
76053-16-2 Reclazepam, R-00020
76095-16-4 Enalapril maleate, *in* E-00043
76095-39-1 Moenomycin; Moenomycin *A*, *in* M-00418
76145-76-1 Tomoxiprole, T-00378
76252-06-7 Nicainoprol; (±)-*form*, *in* N-00085
76263-13-3 Fluzinamide, F-00235
76264-92-1 Aclacinomycin *A*; 5-Me ether, *in* A-00042
76296-72-5 Polyphyllin D, *in* S-00129
76301-19-4 Timefurone, T-00281

76304-86-4 Aclacinomycin *A*; 7-Me ether, *in* A-00042
76330-71-7 Altanserin, A-00153
76333-53-4 2-Amino-1-phenyl-1-propanone; (*R*)-*form*, B,HCl, *in* A-00309
76345-76-1 Cambendazole; B,HCl, *in* C-00020
76352-13-1 Tropapride; *exo-form*, *in* T-00548
76420-72-9 Enalaprilat, E-00043
76437-37-1 Oxaprotiline; (±)-*form*, *in* O-00092
76448-31-2 Propenidazole; (*E*)-*form*, *in* P-00494
76448-47-0 Veradoline hydrochloride, *in* V-00017
76466-24-5 Asparenomycin A, *in* A-00459
76470-66-1 Loracarbef, L-00090
76490-22-7 Antibiotic FK 156, A-00406
76493-48-6 Spiclamine; Tartrate, *in* S-00113
76496-68-9 Oxaprotiline; (*R*)-*form*, *in* O-00092
76496-69-0 Oxaprotiline; (*R*)-*form*, B,HCl, *in* O-00092
76497-13-7 Sultamicillin, S-00262
76530-44-4 Azamulin, A-00500
76536-21-5 Buquiterine; B,HCl, *in* B-00374
76536-74-8 Buquiterine, B-00374
76541-72-5 ▷Mifobate, M-00372
76543-16-3 2,3-Bis(3-hydroxybenzyl)-1,4-butanediol; (2*RS*,3*RS*)-*form*, *in* B-00215
76543-88-9 Interferon Alfa-2a USAN, *in* I-00079
76547-98-3 Lisinopril, L-00057
76551-64-9 Partricin *A*, P-00042
76551-65-0 Partricin B, *in* P-00042
76568-02-0 7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, F-00188
76582-10-0 Napoleogenin B, *in* O-00036
76584-70-8 Semisodium valproate, *in* P-00516
76596-57-1 Broxaterol, B-00332
76600-30-1 Nosantine, N-00226
76610-84-9 Cefbuperazone, C-00121
76631-45-3 Napactadine, N-00039
76631-46-4 4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
76634-96-3 N-Formyl-13-dihydrocarminomycin I, *in* C-00081
76639-94-6 Florfenicol, F-00124
76644-53-6 Bernzamide, B-00137
76648-01-6 ▷Cefbuperazone sodium, *in* C-00121
76650-59-4 BM 11604, *in* T-00427
76666-01-8 Zomepirac glycolate, *in* Z-00035
76676-34-1 Oxprenoate potassium, *in* O-00144
76684-89-4 3-[3-Methyl-1-(3-methylbutylcarbamoyl)-butylcarbamoyl]-2-oxiranecarboxylic acid, M-00266
76696-97-4 Rofelodine, R-00073
76712-82-8 Histrelin, H-00080
76716-60-4 Fluprazine, F-00206
76716-77-3 DU 27716, *in* F-00206
76716-78-4 Fluprazine; Methanesulfonate, *in* F-00206
76732-75-7 Picartamide, P-00231
76743-10-7 Lucartamide, L-00111
76812-98-1 Trigevolol, T-00471
76816-33-6 α-Methyl-2-phenyl-6-benzothiazoleacetic acid; (±)-*form*, *in* M-00287
76816-35-8 α-Methyl-2-phenyl-6-benzothiazoleacetic acid; (±)-*form*, Na salt, *in* M-00287
76816-38-1 α-Methyl-2-phenyl-6-benzothiazoleacetic acid; (±)-*form*, B,HCl, *in* M-00287
76816-40-5 α-Methyl-2-phenyl-6-benzothiazoleacetic acid; (−)-*form*, *in* M-00287
76822-56-5 Mexiprostil, M-00352
76824-35-6 ▷Famotidine, F-00013
76875-69-9 Trapencaine, T-00400
76894-77-4 Dazmegrel, D-00025
76898-59-4 Rayvist, *in* I-00111
76932-56-4 Nafarelin, N-00010
76932-60-0 Nafarelin acetate, *in* N-00010
76953-65-6 Dramedilol, D-00599
76956-02-0 Loxtidine, L-00109
76958-69-5 Propisergide; Maleate (1:1), *in* P-00506
76963-41-2 Nizatidine, N-00192
76990-56-2 2-(Pentylamino)acetamide, P-00106
76990-85-7 Milacemide hydrochloride, *in* P-00106
77005-28-8 Texacromil, T-00159
77033-54-6 Dazidamine; B,HCl, *in* D-00024
77052-96-1 2-Hydroxysagamicin, *in* G-00018
77086-18-1 Dizocilpine; (±)-*form*, *in* D-00560
77086-21-6 Dizocilpine; (+)-*form*, *in* D-00560
77086-22-7 Dizocilpine; (+)-*form*, Hydrogen maleate, *in* D-00560
77090-26-7 μ-Hydroxydiphenyldimercury(1+); Nitrate, *in* H-00125
77103-91-4 4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid; (+)-*form*, *in* D-00290
77121-89-2 Meglucycline; B,2HCl, *in* M-00072
77164-19-3 Moprolol; (±)-*form*, *in* M-00435
77164-20-6 Moprolol; (−)-*form*, *in* M-00435
77167-91-0 3-Hydroxymethyldibenzo[*b*,*f*]thiepin, H-00159
77167-93-2 3-Hydroxymethyldibenzo[*b*,*f*]thiepin; 5,5-Dioxide, *in* H-00159
77174-66-4 ▷Pilzcin, *in* C-00562
77175-51-0 Croconazole, C-00562
77193-20-5 Colistin; Colistin *C*, *in* C-00536
77197-48-9 Quinezamide, Q-00022
77214-85-8 Chlorosyl, *in* C-00632
77234-90-3 Denzimol; (±)-*form*, B,HCl, *in* D-00076
77257-42-2 Stilonium iodide, *in* S-00155
77275-67-3 Astromicin sulfate, *in* F-00252
77287-05-9 Rioprostil, R-00061
77287-89-9 Xorphanol, X-00019
77287-90-2 ▷Xorphanol mesylate, *in* X-00019
77342-26-8 Tefenperate, T-00052
77360-52-2 Ceftiolene, C-00157
77372-61-3 Valproate pivoxil, *in* P-00516
77400-65-8 Asocainol, A-00457
77410-34-5 Verticine N-oxide, *in* V-00024
77416-65-0 2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol; (3*RS*,5*SR*)-*form*, *in* T-00122
77472-98-1 Pipequaline, P-00280
77482-47-4 Fenprinast hydrochloride, *in* F-00072
77502-27-3 Tolpadol, T-00362
77517-29-4 4,4a-Dihydromevinolin, *in* M-00348
77518-07-1 Amiflamine; (*S*)-*form*, *in* A-00193
77519-25-6 Dexetozoline, *in* O-00169
77527-71-0 Antibiotic L 640876, A-00407
77528-67-7 Manozodil, M-00020
77530-02-0 5-(2-Bromovinyl)-2′-deoxyuridine; (*Z*)-*form*, *in* B-00322
77590-92-2 Suproclone, S-00273
77590-95-5 Cetamolol hydrochloride, *in* C-00181
77590-96-6 Flordipine, F-00122
77590-97-7 Fluradoline hydrochloride, *in* F-00214
77599-17-8 Panomifene; (*E*)-*form*, *in* P-00014
77602-78-9 2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene; (±)-*form*, B,HBr, *in* C-00233
77602-79-0 2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene; (±)-*form*, *in* C-00233
77639-66-8 Prinomide, P-00439
77639-70-4 Prinomide trolamine, *in* P-00439
77642-19-4 Hitachimycin, H-00081
77650-95-4 Proterguride, P-00533
77650-96-5 Propyldironyl, *in* P-00533
77658-97-0 Anaxirone, A-00378
77671-31-9 Enoximone, E-00062
77695-52-4 Ecastolol, E-00004
77698-96-5 Etiproston trometamol, *in* E-00239
77702-20-6 Syndyphalin, S-00285
77727-10-7 Nacartocin, N-00005
77752-20-6 Ribocitrin, R-00037
77752-61-5 α-Methyl-2-phenyl-6-benzothiazoleacetic acid; (+)-*form*, *in* M-00287
77754-93-9 O-Demethyllycoramine, *in* G-00002
77769-22-3 1,1′-Bisisomenthone; *meso-form*, *in* B-00224
77862-92-1 Falipamil, F-00011
77880-77-4 *S*-Episparsomycin, *in* S-00109
77883-43-3 Doxazosin mesylate, *in* D-00592
77956-93-5 KC 2450, *in* T-00122
77956-94-6 2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol; (3*RS*,5*RS*)-*form*, B,HCl, *in* T-00122

77989-59-4 Metibride; B,HBr, *in* M-00318
77989-60-7 Metibride, M-00318
77989-61-8 Metibride; B,HCl, *in* M-00318
78088-46-7 Tabilautide, T-00001
78090-11-6 Picoprazole, P-00240
78092-65-6 Ristianol, R-00064
78092-66-7 Ristianol phosphate, *in* R-00064
78110-38-0 ▷Aztreonam, A-00533
78113-36-7 Muroctasin, M-00472
78126-10-0 Stepronin; (±)-*form*, Na salt, *in* S-00145
78154-22-0 *N*-(2-Chloro-4-isothiocyanatophenyl)-2,4-dihydroxybenzamide, C-00253
78168-92-0 Filenadol; (α*RS*,β*SR*)-*form*, *in* F-00105
78186-33-1 Fumoxicillin, F-00275
78186-34-2 Bisantrene, B-00191
78208-13-6 Zolenzepine, Z-00029
78208-14-7 Zolenzepine; B,2HCl, *in* Z-00029
78208-15-8 Zolenzepine; Fumarate (2:1), *in* Z-00029
78218-09-4 Dazoxiben, D-00029
78250-23-4 5-[2-(Dimethylamino)ethoxy]-7*H*-benzo[*c*]fluoren-7-one, D-00409
78266-06-5 Mebrofenin, M-00038
78273-80-0 Roxatidine, R-00097
78289-16-4 Droxicainide; (±)-*form*, B,HCl, *in* D-00614
78289-26-6 ▷Droxicainide; (±)-*form*, *in* D-00614
78299-53-3 Tiacrilast; (*E*)-*form*, *in* T-00235
78326-86-0 Butocrolol; (±)-*form*, B,HCl, *in* B-00411
78345-56-9 Cefminox; Na salt, *in* C-00133
78370-13-5 Emopamil, E-00039
78371-66-1 Bucromarone, B-00342
78372-27-7 Stirocainide; (*E*,*E*)-*form*, *in* S-00158
78396-34-6 Cafedrine; (1*S*,2*R*)-*form*, *in* C-00009
78410-57-8 Ociltide, O-00002
78415-48-2 Onitoside, *in* O-00049
78415-72-2 Milrinone, M-00378
78416-81-6 Trequinsin; B,HCl, *in* T-00415
78420-92-5 Piquindone; (4a*R*,8a*R*)-*form*, *in* P-00311
78421-12-2 Droxicainide, D-00614
78451-93-1 Zometapine; B,HCl, *in* Z-00036
78459-19-5 Adimolol, A-00070
78466-70-3 Zomebazam, Z-00034
78466-98-5 Razobazam, R-00015
78467-68-2 Locicortone, L-00068
78480-14-5 Dicresulene, D-00216
78499-27-1 ▷Bermoprofen, B-00136
78512-63-7 Pimelautide, P-00255
78541-97-6 Piquindone; (4a*RS*,8a*RS*)-*form*, *in* P-00311
78541-98-7 Piquindone hydrochloride, *in* P-00311
78541-99-8 Piquindone; (4a*SR*,8a*RS*)-*form*, *in* P-00311
78564-10-0 2-Methyl-3-indoleacetic acid; Me ester, *in* M-00263
78573-55-4 Clomoxir; Et ester, *in* C-00474
78573-70-3 Clomoxir sodium, *in* C-00474
78613-35-1 Amorolfine; *cis*-(±)-*form*, *in* A-00359
78613-38-4 Ro 14-4767/002, *in* A-00359
78619-38-2 30-Hydroxyansamitocin P-3, *in* M-00027
78619-39-3 30-Hydroxyansamitocin P-2, *in* M-00027
78619-40-6 30-Hydroxyansamitocin *P*-1, *in* M-00027
78619-41-7 3-(3-Hydroxyisovaleroyl)maytansinol, *in* M-00027
78619-43-9 N-Demethyl-3-(3-hydroxyisovaleroyl) maytansinol, *in* M-00027
78619-44-0 N-Demethyl-4,5-deepoxymaytansinol, *in* M-00027
78628-28-1 2-(Acetyloxy-*N*-[3-[3-(1-piperidinylmethyl)-phenoxy]propyl]acetamide, *in* R-00097
78628-80-5 Terbinafine; (*E*)-*form*, *in* T-00081
78630-36-1 30-Hydroxyansamitocin P-4, *in* M-00027
78630-37-2 Dechloro-4,5-deepoxy-*N*-demethylmaytansinol, *in* M-00027
78630-38-3 Dechloro-N-deepoxymaytansinol, *in* M-00027
78649-41-9 Iomeprol; (±)-*form*, *in* I-00121
78649-42-0 Iomeprol; (*R*,*R*)-*form*, *in* I-00121
78664-73-0 Posatirelin; (*S*,*S*)-*form*, *in* P-00389
78709-93-0 3-(4-Hydroxyisovaleroyl)maytansinol, *in* M-00027
78712-43-3 Ozagrel hydrochloride, *in* O-00168
78718-25-9 TKG 01, *in* B-00048
78718-52-2 Benexate; *trans-form*, *in* B-00048
78749-89-0 2-Amino-5-chlorobenzoxazole; *Amino-form*, 2-*N*-Benzyl, *in* A-00225
78755-81-4 ▷Flumazenil, F-00152
78756-61-3 Alifedrine; (1*S*,2*R*)-*form*, *in* A-00118
78771-13-8 Sarmazenil, S-00024
78773-73-6 *N*-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)-glycine, C-00633
78776-19-9 13-Methylaclacinomycin A, *in* A-00042
78779-60-9 Antibiotic G367-S_2, *in* S-00082
78806-68-5 Desonide pivalate, *in* D-00101
78822-40-9 Pirlimycin hydrochloride, *in* P-00339
78833-03-1 Penticainide, P-00098
78853-39-1 Cyclodrine hydrochloride, *in* C-00601
78892-44-1 4-[(2,6-Dimethylphenyl)methyl]-1*H*-imidazole, D-00446
78919-13-8 Iloprost, I-00023
78919-26-3 3,7-Dihydroxy-24-cholanoic acid; (3β,5β,7β)-*form*, *in* D-00320
78969-72-9 Guan-fu base G, *in* H-00136
79030-10-7 Guan-fu base F, G-00107
79069-94-6 4-Phenyl-2-[(2-phenylethyl)amino]thiazole, P-00195
79069-95-7 Fanetizole mesylate, *in* P-00195
79069-97-9 Palmoxirate sodium, *in* T-00110
79071-15-1 Tazasubrate, T-00040
79094-20-5 Daltroban, D-00007
79103-34-7 Thymopoietin; Thymopoietin III, *in* T-00226
79109-07-2 Paroxetine; (3*R**,4*R**)-*form*, B,HCl, *in* P-00040
79127-35-8 Echinosporin, E-00005
79127-36-9 9-Hydroxyaclacinomycin A, *in* A-00042
79130-64-6 Ansoxetine, A-00399
79152-85-5 Acodazole, A-00045
79181-48-9 Ethyl 2-methyl-2-[(9-oxo-9*H*-xanthen-3-yl)oxy]-propanoate, E-00202
79185-75-4 7-Hydroxy-8-methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, H-00151
79201-80-2 Veradoline, V-00017
79201-85-7 ▷Picenadol; *trans*-(±)-*form*, *in* P-00232
79211-10-2 Iosimide, I-00136
79211-34-0 Iotriside, I-00142
79243-67-7 Rosterolone, R-00094
79253-92-2 Taziprinone, T-00042
79262-46-7 Savoxepin, S-00029
79262-47-8 Savoxepin; B,$MeSO_3H$, *in* S-00029
79282-39-6 Rilozarone, R-00054
79283-56-0 Rilozarone; B,HCl, *in* R-00054
79286-77-4 Esafloxacin, E-00119
79296-11-0 Antibiotic X 14868B, *in* A-00411
79307-93-0 ▷Azelastine hydrochloride, *in* A-00515
79313-75-0 Sopromidine; (*R*)-*form*, *in* S-00102
79331-53-6 Antibiotic X 14868C, *in* A-00411
79331-54-7 Antibiotic X 14868D, *in* A-00411
79350-37-1 Cefixime, C-00129
79356-08-4 Antibiotic X 14868A, A-00411
79360-43-3 Nocloprost, N-00195
79366-72-6 Asparenomycin B, *in* A-00459
79404-91-4 Cilofungin, C-00345
79404-97-0 23-De[(6-deoxy-2,3-di-*O*-methyl-β-D-allopyranosyl)-oxy]tylosin, *in* T-00578
79404-98-1 Demethylmacrocin, *in* T-00578
79412-27-4 3-(3-Hydroxyphenyl)-1-propylpiperidine; (±)-*form*, B,HBr, *in* H-00194
79449-96-0 Altanserin tartrate, *in* A-00153
79449-98-2 Cabastine, C-00001
79449-99-3 Icospiramide, I-00013
79455-30-4 Nicaraven, N-00087
79467-19-9 Sintropium bromide, *in* S-00081
79467-22-4 Bipenamol, B-00174
79467-23-5 Mioflazine, M-00391
79467-24-6 Mioflazine hydrochloride, *in* M-00391
79483-69-5 Piritrexim isethionate, *in* P-00338
79495-93-5 2β,3β,14,20,22*R*,28-Hexahydroxy-6-oxo-7-ergosten-26-oic acid, γ-lactone, *in* C-00584
79516-68-0 Cabastine; (−)-*form*, *in* C-00001
79547-78-7 Levocabastine hydrochloride, *in* C-00001
79548-73-5 Pirlimycin, P-00339

79558-94-4 2-Anilino-5-chlorobenzoxazole, *in* A-00225
79559-97-0 Sertraline hydrochloride, *in* S-00052
79578-14-6 Timobesone acetate, *in* T-00286
79592-92-0 23-De(6-deoxy-2,3-di-O-methyl-β-D-allopyranosyl)-tylosin, 9CI, *in* T-00578
79594-24-4 1-Adamantyl-2-methyl-2-propylamine, A-00064
79605-60-0 1,2-Dihydro-2-naphthylamine, D-00295
79617-96-2 Sertraline; (1*S*,4*S*)-*form*, *in* S-00052
79617-98-4 Sertraline; (1*R*,4*R*)-*form*, *in* S-00052
79617-99-5 Sertraline; (1*RS*,4*RS*)-*form*, B,HCl, *in* S-00052
79619-31-1 Flavodilol; (±)-*form*, *in* F-00110
79619-32-2 Flavodilol maleate, *in* F-00110
79645-15-1 Sertraline; (1*R*,4*R*)-*form*, B,HCl, *in* S-00052
79660-53-0 Fleroxacin; B,HCl, *in* F-00116
79660-72-3 Fleroxacin, F-00116
79672-88-1 Piriprost, P-00334
79689-25-1 DG 5128, *in* M-00365
79700-61-1 Dopropidil, D-00582
79700-63-3 Fronedipil, F-00265
79700-64-4 Fronedipil; B,HCl, *in* F-00265
79704-88-4 α-Methylfentanyl, M-00255
79712-55-3 Tazifylline, T-00041
79736-64-4 Phleomycin PEP, *in* P-00108
79754-82-8 Indorenate, I-00070
79763-01-2 2,3-Dichloro-4-nitro-1*H*-pyrrole, D-00197
79770-24-4 Iotrolan, I-00144
79781-95-6 Rilapine, R-00050
79784-22-8 Barucainide, B-00016
79784-50-2 Bometolol; (*S*)-*form*, *in* B-00251
79794-75-5 Loratadine, L-00092
79798-39-3 Ketorfanol, K-00018
79810-24-5 Butinazocine; B,HCl, *in* B-00406
79836-45-6 Sertraline; (1*RS*,4*RS*)-*form*, *in* S-00052
79836-78-5 2-Methyl-5-thiazolecarboxylic acid; Et ester, *in* M-00309
79855-88-2 Trequinsin, T-00415
79874-76-3 Delmopinol, D-00055
79896-31-4 Sertraline; (1*R*,4*S*)-*form*, B,HCl, *in* S-00052
79896-32-5 Sertraline; (1*S*,4*R*)-*form*, B,HCl, *in* S-00052
79902-63-9 Simvastatin, S-00075
79928-22-6 4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, D-00445
79944-56-2 RX 781094, *in* D-00280
79944-58-4 2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-1*H*-imidazole; (±)-*form*, *in* D-00280
79951-46-5 Sertraline; (1*S*,4*R*)-*form*, *in* S-00052
79975-20-5 Balanitin 2, *in* S-00129
79975-21-6 Balanitin 1, *in* S-00129
79989-27-8 Asocainol; (+)-*form*, B,HCl, *in* A-00457
79992-71-5 Pimetacin, P-00256
80012-43-7 3-Amino-9,13*b*-dihydro-1*H*-dibenz[*c*,*f*]imidazo[1,5-*a*]azepine, A-00242
80012-44-8 WAL 801*CL*, *in* A-00242
80018-06-0 Fengabine, F-00052
80096-54-4 2-Amino-1-phenyl-1-propanone; (*R*)-*form*, *in* A-00309
80101-33-3 Ciladopa, C-00341
80109-27-9 Ciladopa; (*S*)-*form*, *in* C-00341
80125-14-0 Remoxipride; (*S*)-*form*, *in* R-00021
80151-45-7 Ericolol; (±)-*form*, B,HCl, *in* E-00107
80168-44-1 Zinoconazole hydrochloride, *in* Z-00021
80210-62-4 Cefpodoxime, C-00145
80214-83-1 Roxithromycin, R-00100
80225-28-1 Tilsuprost, T-00279
80226-00-2 2,3-Bis(3-hydroxybenzyl)-1,4-butanediol, B-00215
80251-32-7 Nafamostat; B,2HCl, *in* N-00009
80263-73-6 Eclazolast, E-00008
80273-79-6 Tefludazine; *trans*-(±)-*form*, *in* T-00053
80288-49-9 Furafylline, F-00278
80294-25-3 Mexafylline, M-00349
80300-09-0 2-(Dipropylamino)-8-hydroxytetralin, *in* A-00335
80300-24-9 Ribocitrin; Tri-Na salt, *in* R-00037
80304-55-8 Metostilenol, M-00337
80343-63-1 Sufotidine, S-00179
80349-03-7 Wy 26002, *in* P-00017
80349-58-2 Panuramine, P-00017
80370-57-6 Ceftiofur, C-00156
80370-67-8 3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid, T-00147
80373-22-4 Quinpirole; (4*aR*,8*aR*)-*form*, *in* Q-00032
80382-23-6 Loxouin, *in* L-00108
80394-65-6 Cationomycin, C-00108
80410-36-2 Fezolamine, F-00100
80410-37-3 Fezolamine fumarate, *in* F-00100
80427-58-3 Benfluron, *in* D-00409
80428-29-1 Mafoprazine, M-00003
80428-30-4 Mafoprazine; B,HCl, *in* M-00003
80428-31-5 1K 640, *in* M-00003
80456-55-9 Vibunazole, V-00028
80458-76-0 Penfluoridol decanoate, *in* P-00062
80458-77-1 Penfluridol; Decanoyl, Oxalate (1:1), *in* P-00062
80471-63-2 Epostane, E-00088
80474-14-2 Fluticasone propionate, *in* F-00227
80486-69-7 Cloticasone propionate, *in* C-00509
80557-13-7 Cristatic acid, C-00561
80573-03-1 Ipsalazide, I-00166
80573-04-2 Balsalazide, B-00008
80595-73-9 Acefluranol; (*RS*,*SR*)-*form*, *in* A-00009
80614-20-6 Nicogrelate; (±)-(*E*)-*form*, B,2HCl, *in* N-00099
80614-21-7 Nicogrelate; (±)-(*E*)-*form*, *in* N-00099
80614-27-3 Midazogrel; (*E*)-*form*, *in* M-00367
80621-81-4 Rifaximin, R-00049
80663-95-2 Iobenguane, I-00090
80680-05-3 Tivanidazole, T-00327
80680-06-4 Tefludazine, T-00053
80680-43-9 Neosurugatoxin, N-00071
80702-92-7 VUFB 13763, *in* P-00281
80734-02-7 KBT 1585, *in* L-00022
80743-08-4 Dioxadilol, D-00471
80743-09-5 Dioxadilol; (±)-*form*, Maleate, *in* D-00471
80755-51-7 Bunazosin, B-00361
80763-86-6 Glucosamine pentanicotinate, *in* A-00235
80828-32-6 Indolapril hydrochloride, *in* I-00063
80830-17-7 23-Demycinosyltylosin D, *in* T-00579
80830-42-8 Rentiapril; (2*R*,4*R*)-*form*, *in* R-00022
80841-47-0 4-(*N*-Methylcarboxamido)-5-methylamsacrine, M-00239
80841-48-1 4-(*N*-Methylcarboxamido)-5-methylamsacrine; Mono(2-hydroxyethanesulfonate), *in* M-00239
80844-07-1 Etofenoprox, E-00249
80845-03-0 Dazepinil hydrochloride, *in* D-00023
80876-01-3 Indolapril, I-00063
80879-63-6 Emiglitate, E-00038
80880-90-6 Telenzepine, T-00057
80883-55-2 Enviradene; (*E*)-*form*, *in* E-00070
80902-43-8 Spergualin, S-00112
80952-47-2 Spergualin; B,3HCl, *in* S-00112
80959-37-1 Imiloxan; (±)-*form*, *in* I-00036
81018-71-5 Asparenomycin *C*, A-00459
81026-63-3 Enisoprost, E-00057
81043-56-3 Metrenperone, M-00342
81045-33-2 Iodecol, I-00096
81045-50-3 Pivopril, *in* C-00633
81093-37-0 Pravastatin, P-00403
81098-60-4 Cisapride, C-00396
81102-77-4 Carteolol; (*S*)-*form*, *in* C-00102
81103-11-9 6-*O*-Methylerythromycin, *in* E-00115
81129-83-1 Cilastatin sodium, *in* C-00342
81131-70-6 Eptastatin sodium, *in* P-00403
81147-92-4 Esmolol, E-00123
81148-29-0 Flumalol; (±)-*form*, B,HCl, *in* F-00151
81161-17-3 Esmolol hydrochloride, *in* E-00123
81167-16-0 Imiloxan, I-00036
81185-94-6 Ethyl 4-(2-methoxyphenyl)-1-piperazineheptanoate, E-00201
81186-05-2 Ethyl 4-(2-methoxyphenyl)-1-piperazineheptanoate; B,2HCl, *in* E-00201
81342-13-4 Amisulpride; (±)-*form*, B,HCl, *in* A-00347
81370-25-4 β-Fluoroasparagine, *in* A-00257
81377-02-8 Cyclic(*N*-methyl-L-alanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-phenylalanyl), C-00592

81382-05-0 4-O-Demethyl-11-deoxydoxorubicin, *in* A-00080
81382-06-1 4-O-Demethyl-11-deoxy-13-dihydrodaunorubicin, *in* C-00081
81382-07-2 11-Deoxycarminomycin I, *in* C-00081
81382-08-3 4-O-Demethyl-11,13-dideoxydaunorubicin, *in* C-00081
81382-51-6 Pentiapine, P-00097
81382-52-7 Pentiapine maleate, *in* P-00097
81403-68-1 Alfuzosin hydrochloride, *in* A-00112
81403-80-7 Alfuzosin, A-00112
81407-60-5 Pentiapine; B,2HCl, *in* P-00097
81409-90-7 Cabergoline, C-00002
81424-67-1 Caracemide, C-00036
81428-04-8 Taltrimide, T-00018
81435-67-8 Losulazine hydrochloride, *in* L-00102
81436-40-0 Mucidin; (*E,E,E*)-*form*, *in* M-00469
81447-78-1 Lofexidine; (*R*)-*form*, *in* L-00075
81447-79-2 Lofexidine; (*S*)-*form*, *in* L-00075
81447-81-6 Bromadoline maleate, *in* B-00282
81478-25-3 Lomevactone, L-00080
81485-25-8 3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid; (*all-E*)-*form*, *in* T-00147
81486-22-8 Nipradilol, N-00154
81523-49-1 Vaneprim; (±)-*form*, *in* V-00008
81525-10-2 Nafamostat, N-00009
81528-80-5 Dalbraminol, D-00005
81531-57-9 Datelliptium(1+), D-00017
81531-58-0 Datelliptium(1+); Acetate, *in* D-00017
81534-20-5 1,2-Benzisoxazole-3-methanesulfonic acid; NH_4 salt, *in* B-00087
81556-15-2 2-Tetradecyloxiranecarboxylic acid; (±)-*form*, *in* T-00110
81569-44-0 4-Methyl-5-thiazolecarboxylic acid; Me ester, *in* M-00310
81584-06-7 Xibenolol; (±)-*form*, *in* X-00012
81588-76-3 Florfenicol; (1*S*,2*R*)-*form*, *in* F-00124
81600-06-8 Vintriptol, V-00045
81602-13-3 Labetalol; (1′*S*,1″*R*)-*form*, B,HCl, *in* L-00001
81602-14-4 Labetalol; (1′*R*,1″*S*)-*form*, B,HCl, *in* L-00001
81602-15-5 Labetalol; (1′*S*,1″*S*)-*form*, B,HCl, *in* L-00001
81604-85-5 Neocarzinostatin chromophore, *in* N-00067
81626-17-7 2-Amino-1-phenyl-1-propanone; (*S*)-*form*, Oxalate, *in* A-00309
81645-08-1 Cadeguomycin, C-00003
81645-09-2 Lavendamycin, L-00018
81656-30-6 Tifluadom; (±)-*form*, *in* T-00265
81669-57-0 Anistreplase, A-00397
81674-79-5 Guaimesal, G-00094
81703-42-6 Bendacalol, B-00043
81703-55-1 Ciprostene calcium, *in* C-00393
81732-65-2 Terbutaline bis(dimethylcarbamate), *in* T-00084
81737-62-4 Bendacalol mesylate, *in* B-00043
81767-39-7 Bendacalol; (2*RS*,2′*SR*,α*SR*,α′*RS*)-*form*, B,HCl, *in* B-00043
81789-85-7 Indenolol hydrochloride, JAN, *in* I-00056
81792-35-0 Teopranitol, T-00074
81801-12-9 Xamoterol, X-00001
81840-15-5 Vesnarinone, V-00026
81840-58-6 Spirendolol, S-00119
81845-44-5 Ciprostene, C-00393
81872-10-8 Zofenopril, Z-00025
81873-90-7 3,7,12-Trihydroxy-24-cholanoic acid; (3β,5β,7β,12β)-*form*, *in* T-00475
81912-55-2 Sturamustine, S-00168
81919-14-4 Bendalina, *in* B-00167
81938-42-3 Zofenopril; K salt, *in* Z-00025
81938-43-4 Zofenopril calcium, *in* Z-00025
81938-67-2 3,7,12-Trihydroxy-24-cholanoic acid; (3α,5β,7β,12β)-*form*, *in* T-00475
81957-25-7 Dazopride fumarate, *in* D-00027
81968-16-3 Mergocriptine, M-00125
81982-32-3 Alpiropride, A-00149
81988-77-4 Paulomycin *A*, P-00044
82009-34-5 Cilastatin, C-00342
82013-55-6 Indanidine hydrochloride, *in* I-00051
82030-87-3 Somatrem, S-00099
82059-50-5 Tofisopam; (*R*)-*form*, *in* T-00342
82059-51-6 Tofisopam; (*S*)-*form*, *in* T-00342
82085-94-7 Rotraxate; *trans-form*, B,HCl, *in* R-00096
82101-08-4 CRL 40827, *in* F-00115
82101-10-8 Flerobuterol, F-00115
82101-17-5 Hipsalazine disodium, *in* I-00166
82101-18-6 BX 661A, *in* B-00008
82114-19-0 Amflutizole, A-00184
82117-51-9 Cinuperone, C-00384
82117-52-0 HR 375, *in* C-00384
82140-22-5 Etolotifen, E-00255
82168-26-1 Adafenoxate, A-00061
82175-75-5 Pimetacin; B,HCl, *in* P-00256
82186-77-4 Fluorenemethanol, F-00178
82189-60-4 Cefotetan sodium, JAN, *in* C-00139
82190-91-8 Flufylline, F-00149
82190-92-9 Flotrenizine; (±)-*form*, *in* F-00126
82190-93-0 Trenizine; (±)-*form*, *in* T-00411
82205-00-3 Estradiol stearate, *in* O-00028
82209-39-0 Piraxelate, *in* O-00139
82219-78-1 Cefuzonam, C-00162
82230-03-3 Carbetimer, C-00047
82239-52-9 Moxiraprine, M-00466
82248-59-7 Tomoxetine hydrochloride, *in* T-00377
82258-36-4 Etomoxir; (±)-*form*, *in* E-00259
82262-76-8 16,17-Diepipseudoreserpine, *in* R-00029
82358-27-8 Balanitin 3, *in* S-00129
82410-32-0 ▷9-(1,3-Dihydroxy-2-propoxymethyl)guanine, D-00350
82413-20-5 Droloxifene; (*E*)-*form*, *in* D-00607
82423-05-0 Cyanonaphthyridinomycin, C-00583
82424-65-5 Amflutizole; Me ester, *in* A-00184
82475-12-5 Cyanocycline *F*, *in* C-00583
82509-56-6 Piroxicillin, P-00352
82509-57-7 VX VC 43 NA, *in* P-00352
82510-81-4 Lomevactone; (3*R*,4*R*,6*R*)-*form*, *in* L-00080
82535-71-5 Protoveratrine C, *in* P-00543
82547-58-8 Cefteram, C-00153
82547-81-7 Cefpivtetrame, *in* C-00153
82562-53-6 Rentiapril; (2*S*,4*R*)-*form*, *in* R-00022
82570-80-7 9-Demethylcephaeline, *in* C-00172
82571-53-7 Ozagrel; (*E*)-*form*, *in* O-00168
82576-50-9 Alahopcin, A-00092
82586-52-5 Moexipril; B,HCl, *in* M-00419
82586-55-8 Quinapril hydrochloride, *in* Q-00012
82599-22-2 Ditiomustine, *in* C-00222
82619-04-3 R 3746, *in* C-00145
82621-08-7 Acetylsongorine, *in* S-00100
82626-01-5 Alpidem, A-00148
82626-48-0 Zolpidem, Z-00033
82640-04-8 LY 156758, *in* R-00005
82650-82-6 Tenilapine; (*Z*)-*form*, *in* T-00069
82650-83-7 Tenilapine; (*E*)-*form*, *in* T-00069
82664-24-2 Antibiotic P 15148, *in* E-00116
82664-25-3 Antibiotic P 15149, *in* E-00116
82664-27-5 Antibiotic P 15153, *in* E-00116
82666-62-4 Sulosemide, S-00233
82691-32-5 Iofetamine hydrochloride, *in* I-00110
82691-33-6 Iofetamine; (±)-*form*, *in* I-00110
82697-73-2 Mezolidon, M-00359
82720-24-9 4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid; (±)-*form*, *in* D-00290
82749-81-3 Sulosemide; NH_4 salt, *in* S-00233
82752-99-6 Nefazodone hydrochloride, *in* N-00061
82768-44-3 5-(2-Bromovinyl)-2′-deoxyuridine, B-00322
82834-16-0 Perindopril, *in* P-00123
82857-40-7 Tomoxetine; (±)-*form*, B,HCl, *in* T-00377
82909-96-4 1,4-Bis(cyclopropylmethyl)-1,4-piperazine, B-00201
82909-97-5 1,4-Bis(cyclopropylmethyl)-1,4-piperazine; B,2HCl, *in* B-00201
82924-03-6 Pentopril, P-00104
82935-42-0 Remoxipride, R-00021
82956-11-4 Nafamostat mesilate, *in* N-00009
82961-92-0 Indolapril; Maleate, *in* I-00063

82964-04-3 Tolrestat, T-00370
82982-53-4 Zaltidine; B,HBr, *in* Z-00004
82989-25-1 Tazanolast, T-00039
83011-15-8 Baquiloprim; B,2HCl, *in* B-00012
83015-26-3 Tomoxetine; (*R*)-*form*, *in* T-00377
83031-43-0 Sulbactam benzathine, *in* P-00065
83038-87-3 Doxycycline fosfatex, *in* D-00080
83053-39-8 2-(2-Hydroxyphenyl)-4-thiazolecarboxaldehyde, *in* H-00199
83059-56-7 Zabicipril, Z-00001
83150-76-9 Octreotide, O-00025
83153-38-2 Mefenedil fumarate, *in* M-00063
83153-39-3 Tiprinast, T-00316
83166-17-0 Tampramine, T-00024
83166-18-1 Tampramine fumarate, *in* T-00024
83167-24-2 Labetalol; (1′*S*,1″*S*)-*form*, *in* L-00001
83167-31-1 Labetalol; (1′*R*,1″*S*)-*form*, *in* L-00001
83167-32-2 Labetalol; (1′*S*,1″*R*)-*form*, *in* L-00001
83184-43-4 Mifentidine, M-00370
83198-90-7 Tiprinast meglumine, *in* T-00316
83200-08-2 Eproxindine; (±)-*form*, *in* E-00093
83200-09-3 Dembrexine; *trans-form*, *in* D-00060
83200-10-6 Anipamil; (±)-*form*, *in* A-00392
83200-11-7 Vinepidine sulfate, *in* V-00037
83228-38-0 3-(3-Hydroxyphenyl)-1-propylpiperidine; (±)-*form*, *in* H-00194
83242-76-6 Pafenolol, P-00002
83255-74-7 Quinacainol; (±)-*form*, B,2HCl, *in* Q-00008
83275-56-3 Bonnecor, B-00252
83329-79-7 12-Hydroxyellipticine, *in* E-00027
83348-52-1 Doxacurium chloride, *in* D-00589
83366-66-9 Nefazodone, N-00061
83380-47-6 Ofloxacin, O-00032
83386-35-0 Tifluadom, T-00265
83394-44-9 Aminoprofen, A-00316
83395-21-5 Ridazolol, R-00041
83398-29-2 Delapril, D-00051
83435-66-9 Delapril; (*S*)-*form*, *in* D-00051
83435-67-0 Delapril hydrochloride, *in* D-00051
83455-48-5 Bromerguride, B-00288
83455-49-6 Bromerguride; B,HBr, *in* B-00288
83470-64-8 Buciclovir, B-00336
83471-41-4 Pincainide, P-00269
83482-58-0 Demethoxyrapamycin, *in* R-00013
83482-77-3 Vinmegallate, V-00040
83482-78-4 Vinmegallate; Tartrate, *in* V-00040
83519-04-4 Ilmofosine, I-00022
83529-08-2 Tubulozole hydrochloride, *in* T-00572
83529-09-3 Ciladopa hydrochloride, *in* C-00341
83538-74-3 Phenithionate, P-00159
83555-57-1 Violacein; 3,3′-Dihydro, *in* V-00049
83563-93-3 Cyclosporin I, *in* C-00638
83573-53-9 Tizabrin; (1*R*,3*S*,5*R*)-*form*, *in* T-00329
83574-28-1 Cyclosporin F, *in* C-00638
83602-05-5 Spiraprilat, S-00118
83602-39-5 Cyclosporins; Cyclosporin *H*, *in* C-00638
83604-84-6 Pipradimadol; B,$MeSO_3H$, *in* P-00305
83605-12-3 Pipramadol; (+)-*form*, *in* P-00306
83605-13-4 Pipramadol; (+)-*form*, Maleate (1:1), *in* P-00306
83621-06-1 Omoconazole; B,HNO_3, *in* O-00046
83625-35-8 Amebucort, A-00178
83646-97-3 Inocoterone, I-00072
83647-29-4 Droloxifene; (*Z*)-*form*, *in* D-00607
83647-97-6 Spirapril, *in* S-00118
83656-38-6 Ipramidil, I-00154
83688-50-0 Celiprolol; (±)-*form*, *in* C-00163
83689-23-0 Molfarnate, *in* T-00513
83705-13-9 2-Ribofuranosyl-4-selenazolecarboxamide; β-D-*form*, *in* R-00039
83705-14-0 2-Ribofuranosyl-4-selenazolecarboxamide; α-D-*form*, *in* R-00039
83712-60-1 Defibrotide, D-00045
83730-51-2 $N^{2'}$-Desmethylcycleanine, *in* C-00590
83784-18-3 Lutrelin acetate, *in* L-00117
83784-21-8 Menabitan, M-00086
83829-76-9 Bremazocine; (±)-*form*, *in* B-00268
83863-79-0 ▷Florifenine, F-00125
83880-70-0 Dexamethasone acefurate, *in* D-00111
83881-51-0 Cetirizine, C-00184
83881-52-1 Cetirizine hydrochloride, *in* C-00184
83903-06-4 Lupitidine, L-00113
83903-63-3 Dealanylalahopcin, *in* A-00092
83905-01-5 Azithromycin, A-00528
83905-59-3 12-Hydroxystrychnine N^b-oxide, *in* S-00167
83919-23-7 Mometasone furoate, *in* M-00426
83920-54-1 Theophylline lysine, *in* T-00169
83928-66-9 Gepirone hydrochloride, *in* G-00019
83928-76-1 Gepirone, G-00019
83930-13-6 Somatorelin, S-00097
83986-02-1 Cloxathiepin, C-00516
83986-04-3 Cloxathiepin; Maleate (1:1), *in* C-00516
83996-50-3 Ambamustine; B,HCl, *in* A-00165
84025-82-1 3-Methyl-2-phenylmorpholine; (2*R*,3*S*)-*form*, *in* M-00290
84057-84-1 3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine, D-00125
84057-95-4 Ropivacaine; (*S*)-*form*, *in* R-00089
84057-96-5 Flusoxolol; (*S*)-*form*, *in* F-00221
84071-15-8 Ramixotidine, R-00009
84071-16-9 CM 57874, *in* R-00009
84071-17-0 Esefil, *in* R-00009
84088-42-6 Roquinimex, R-00091
84145-89-1 Almoxatone; (*R*)-*form*, *in* A-00140
84145-90-4 Nafoxadol, N-00020
84203-09-8 Trifenagrel, T-00458
84203-16-7 Trifenagrel; B,2HCl, *in* T-00458
84209-46-1 Filenadol; (α*RS*,β*SR*)-*form*, B,HCl, *in* F-00105
84210-80-0 Asta Z 7557, *in* M-00004
84225-95-6 Raclopride; (*S*)-*form*, *in* R-00002
84226-12-0 Eticlopride; (*S*)-*form*, *in* E-00233
84233-61-4 Nesosteine, N-00077
84243-58-3 Imazodan, I-00026
84257-38-5 Amiflamine; (*S*)-*form*, Hydrogen tartrate, *in* A-00193
84269-97-6 MD 780236, *in* A-00140
84305-41-9 Cefminox, C-00133
84371-65-3 Mifepristone, M-00371
84379-13-5 Bretazenil, B-00270
84386-11-8 Baxitozine, B-00018
84392-17-6 4′-(Trifluoromethyl)[1,1′-biphenyl]-2-carboxylic acid, T-00465
84393-27-1 Cyclizidine; 6-Ac, *in* C-00594
84393-28-2 Cyclizidine, C-00594
84408-37-7 Desciclovir, *in* A-00060
84441-53-2 Tetraphenyl methylenebisphosphonate, *in* M-00168
84444-90-6 3,4,5-Trihydroxy-2-piperidinemethanol; (2*R*,3*R*,4*R*,5*R*)-*form*, *in* T-00481
84449-90-1 Raloxifene, R-00005
84455-52-7 Oxmetidine mesylate, *in* O-00124
84461-53-0 15β-Hydroxywithaferin *A*, *in* W-00002
84461-54-1 12β-Hydroxywithaferin *A*, *in* W-00002
84472-85-5 3′-Azido-2′,3′-dideoxyuridine, A-00521
84485-00-7 BTS 54524, *in* S-00065
84490-12-0 Piroximone, P-00353
84504-69-8 MN 1695, *in* I-00173
84509-31-9 Nafoxadol; B,HCl, *in* N-00020
84580-09-6 α-Methyl-*p*-(trifluoromethyl)phenethylamine; (*R*)-*form*, B,HCl, *in* M-00313
84580-99-4 α-Methyl-*p*-(trifluoromethyl)phenethylamine; (*R*)-*form*, *in* M-00313
84611-23-4 Erdosteine, E-00100
84625-61-6 Itraconazole, I-00222
84629-60-7 Darenzepine; (*Z*)-*form*, *in* D-00015
84629-61-8 Darenzepine; (*E*)-*form*, *in* D-00015
84697-21-2 Zinoconazole, Z-00021
84697-22-3 Tubulozole, T-00572
84711-20-6 Ifosfamide; (±)-*form*, *in* I-00021
84713-89-3 N-Acetylisopenicillin N, *in* P-00066
84762-34-5 Piperacetam, P-00281
84799-23-5 Tyrosylprolylphenylalanylprolinamide; (1*S*,2*S*,3*S*,4*R*)-*form*, *in* T-00582
84799-24-6 Deprolorphin, D-00085

84845-75-0 Niperotidine, N-00153
84854-86-4 Vaneprim, V-00008
84858-23-1 Flavodilol; (±)-*form*, B,HCl, *in* F-00110
84880-03-5 Cefpimizole, C-00142
84901-45-1 Doliracetam, D-00571
84957-29-9 Cefpirome, C-00144
84957-30-2 Cefquinone, C-00147
84985-36-4 Tizabrin; (1*S*,3*S*,5*R*)-*form*, B,HCl, *in* T-00329
84985-40-0 Tizabrin; (1*R*,3*S*,5*R*)-*form*, B,HCl, *in* T-00329
85053-46-9 Suricainide, S-00277
85053-47-0 Suricainide maleate, *in* S-00277
85056-47-9 Piroxicam olamine, *in* P-00351
85076-06-8 Axamozide, A-00489
85118-43-0 ▷Fluprofylline, F-00210
85118-44-1 Minocromil, M-00386
85125-49-1 Biclodil, B-00153
85136-71-6 Tilisolol, T-00274
85152-62-1 2α-Hydroxyjatrophone, *in* J-00002
85166-20-7 Ciclotropium bromide, *in* C-00335
85181-38-0 Tropanserin hydrochloride, *in* T-00547
85181-40-4 Tropanserin; *endo-form*, *in* T-00547
85197-77-9 Tipredane, T-00314
85201-83-8 Jatrophone; 2β-Hydroxy, *in* J-00002
85201-83-8 2β-Hydroxy-5,6-isojatrophone, *in* J-00002
85246-70-4 Dagapamil; B,HCl, *in* D-00004
85247-76-3 Dagapamil, D-00004
85247-77-4 Ronipamil, R-00086
85287-61-2 Cefpimizole sodium, *in* C-00142
85320-67-8 Ericolol, E-00107
85320-68-9 Amosulalol; (±)-*form*, *in* A-00360
85329-89-1 FCE 21336, *in* C-00002
85392-79-6 Indanidine, I-00051
85407-06-3 1-Nordistamycin *A*, *in* D-00539
85414-47-7 Diprafenone, D-00519
85418-85-5 Sunagrel; (1*RS*,2*SR*)-*form*, *in* S-00270
85418-86-6 Sunagrel, S-00270
85419-09-6 Sunagrel; (1*RS*,2*SR*)-*form*, B,HCl, *in* S-00270
85441-60-7 Quinaprilat, Q-00012
85441-61-8 Quinapril, *in* Q-00012
85443-48-7 Bencianol; (2*R*,3*S*)-*form*, *in* B-00039
85465-88-9 Thymocartin; 1-Me ester, *in* T-00223
85466-18-8 Thymocartin, T-00223
85483-00-7 3-Deoxyaphidicolin, *in* A-00422
85505-64-2 Vapiprost, V-00011
85522-88-9 Adafenoxate; B,HCl, *in* A-00061
85547-35-9 Sisunine, *in* T-00374
85604-00-8 Zaltidine, Z-00004
85606-97-9 3-(2-Thienyl)piperazinone, T-00188
85615-40-3 1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)phenyl]-3-pyridinecarboxylic acid, D-00283
85622-93-1 Temozolomide, T-00064
85622-95-3 ▷Mitozolomide, M-00408
85630-48-4 Cloxacepride; Succinate (1:1), *in* C-00514
85637-73-6 Atriopeptin, A-00473
85640-89-7 Viridogrisein II, *in* V-00055
85643-15-8 β-Hydroxymevinolin, *in* M-00348
85661-24-1 Pyrazinecarboxylic acid; Me ester, 1-oxide, *in* P-00560
85666-24-6 Furegrelate, F-00289
85666-25-7 Furegrelate; B,HCl, *in* F-00289
85673-87-6 Revenast, R-00034
85673-88-7 Revenast; B,3HCl, *in* R-00034
85684-07-7 Aganodine; B,HCl, *in* A-00083
85691-73-2 Pirmagrel; Et ester, *in* P-00341
85691-74-3 Pirmagrel, P-00341
85721-33-1 Ciprofloxacin, C-00390
85750-38-5 Erocainide; (*E*,*E*)-*form*, *in* E-00112
85750-39-6 Etilefrine pivalate, *in* A-00272
85754-59-2 Ambamustine, A-00165
85793-29-9 Eproxindine, E-00093
85793-72-2 KC 3791, *in* E-00093
85798-08-9 Quinpirole hydrochloride, *in* Q-00032
85805-55-6 Cycleanine N^2-oxide, *in* C-00590
85815-37-8 Rilmazafone; B,HCl, *in* R-00051
85856-54-8 Moveltipril, M-00457
85888-40-0 Tifluadom; (2*S*)-*form*, *in* T-00265
85921-53-5 MC 838, *in* M-00457
85951-58-2 7-Amino-5,6,7,8-tetrahydro-1-naphthalenol, A-00335
85956-22-5 3β-Hydroxycompactin, *in* C-00539
85956-23-6 3α-Hydroxycompactin, *in* C-00539
85966-89-8 3-(3-Hydroxyphenyl)-1-propylpiperidine; (*S*)-*form*, *in* H-00194
85969-07-9 Budotitane, B-00345
85977-49-7 Tauromustine, T-00033
86015-38-5 Neflumozide hydrochloride, *in* N-00062
86042-50-4 Cistinexine; (*R*,*R*)-*form*, *in* C-00399
86042-51-5 Rec 15-1884-2, *in* C-00399
86048-40-0 Quazolast, *in* C-00259
86073-85-0 Quinacainol, Q-00008
86111-26-4 Zindoxifene, Z-00020
86116-60-1 Azaloxan fumarate, *in* A-00498
86117-56-8 BRL 36650A, *in* F-00239
86140-10-5 Neraminol, N-00073
86168-78-7 Sermorelin, S-00049
86181-42-2 Temelastine, T-00060
86197-47-9 Dopexamine, D-00581
86216-41-3 Broxitalamic acid, B-00333
86273-18-9 Lenampicillin, L-00022
86273-92-9 Tolufazepam, T-00372
86304-28-1 Buciclovir; (*R*)-*form*, *in* B-00336
86315-52-8 Isomazole, I-00190
86324-07-4 *N*-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)-glycine; (±)-*form*, *in* C-00633
86334-15-8 Antibiotic P 15150, *in* E-00116
86335-00-4 Buciclovir; (±)-*form*, *in* B-00336
86342-43-0 Diprafenone; B,HCl, *in* D-00519
86347-14-0 4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505
86348-98-3 Flunoprost, F-00170
86365-92-6 Trazolopride, T-00406
86386-73-4 Fluconazole, F-00140
86393-32-0 Ciprofloxacin hydrochloride, *in* C-00390
86393-37-5 Amifloxacin, A-00195
86401-95-8 Methylprednisolone aceponate, *in* M-00297
86421-33-2 4′-Methoxymucidin, *in* M-00469
86434-57-3 Beperidium iodide, *in* B-00131
86480-51-5 Proxyphylline; (±)-*form*, *in* P-00551
86482-18-0 Timentin, *in* C-00410
86484-52-8 Dopexamine; B,2HBr, *in* D-00581
86484-91-5 Dopexamine hydrochloride, *in* D-00581
86487-64-1 Setoperone, S-00058
86540-92-3 Kanamycin *A*; 5-Deoxy; B, $1\frac{1}{2}$ H_2SO_4, *in* K-00004
86540-96-7 Proxyphylline; (*R*)-*form*, *in* P-00551
86541-74-4 Benazepril hydrochloride, *in* B-00038
86541-75-5 Benazepril, *in* B-00038
86541-78-8 Benazeprilat; (2′*S*,3*S*)-*form*, *in* B-00038
86574-32-5 Pincainide; B,HCl, *in* P-00269
86596-25-0 Tendamistat, T-00067
86625-90-3 Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid; (±)-*form*, *in* T-00136
86627-15-8 Aronixil, A-00446
86627-50-1 Lodinixil, L-00070
86636-93-3 Neflumozide, N-00062
86641-76-1 Dibrospidium chloride, *in* D-00169
86662-53-5 Binizolast; B,HCl, *in* B-00171
86662-54-6 Binizolast, B-00171
86696-86-8 3-(2-Thienyl)piperazinone; (±)-*form*, *in* T-00188
86696-87-9 Aganodine, A-00083
86696-88-0 Frabuprofen; (±)-*form*, *in* F-00263
86703-02-8 MDL 899, *in* M-00434
86710-23-8 Imiloxan hydrochloride, *in* I-00036
86718-68-5 Cisapride; *cis*-(±)-*form*, *in* C-00396
86718-70-9 Cisapride; *cis*-(+)-*form*, *in* C-00396
86718-74-3 Cisapride; *cis*-(±)-*form*, B,HCl, *in* C-00396
86719-31-5 Cisapride; *cis*-(−)-*form*, *in* C-00396
86719-33-7 Cisapride; *trans*-(±)-*form*, *in* C-00396
86767-75-1 Octenidine saccharin, *in* O-00020
86776-67-2 Cromakalim, C-00563
86790-15-0 Buparvaquone; *trans-form*, *in* B-00366

86832-68-0 Carumonam sodium, *in* C-00104
86880-51-5 Epanolol; (±)-*form*, *in* E-00071
86901-89-5 Flusoxolol; (*S*)-*form*, Fumarate, *in* F-00221
86901-91-9 Flusoxolol; (*R*)-*form*, Fumarate, *in* F-00221
86914-11-6 Tolgabide, T-00350
86917-61-5 4^{B}-Demethylolivomycin A, *in* O-00038
86936-90-5 Chryscandin, C-00313
86936-92-7 Chryscandin; B,2HCl, *in* C-00313
86941-25-5 Flusoxolol; (±)-*form*, B,HCl, *in* F-00221
87034-87-5 Bamaluzole, B-00009
87038-06-0 Lofexidine; (*R*)-*form*, B,HCl, *in* L-00075
87051-13-6 Tosulur, T-00391
87051-43-2 Ritanserin, R-00066
87051-46-5 Butanserin, B-00392
87071-16-7 Arclofenin, A-00437
87071-17-8 R 56413, *in* S-00036
87081-57-0 Strobilurin C, *in* M-00469
87116-72-1 Timobesone, T-00286
87129-71-3 Arnolol, A-00445
87139-12-6 Mitomycin C; Isomer, *in* M-00404
87151-85-7 Spiradoline; (5*RS*,7*SR*,8*SR*)-*form*, *in* S-00116
87173-92-0 Spiradoline; (5*RS*,7*SR*,8*SR*)-*form*, B,HBr, *in* S-00116
87173-97-5 U 62066*E*, *in* S-00116
87178-42-5 Dosergoside, D-00586
87189-13-7 Prodiame, P-00458
87226-38-8 Etodolac; (±)-*form*, *in* E-00245
87233-61-2 1-(2-Ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)-benzimidazole, E-00166
87233-62-3 KB 2413, *in* E-00166
87239-81-4 Cefpodoxime proxetil, *in* C-00145
87244-76-6 Dosergoside mesilate, *in* D-00586
87249-11-4 Etodolac; (*S*)-*form*, *in* E-00245
87269-59-8 Naxaprostene, N-00054
87269-97-4 Ramiprilat, R-00008
87291-17-6 Antibiotic SQ 26917, *in* A-00533
87333-19-5 1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *in* R-00008
87359-33-9 Isomazole hydrochloride, *in* I-00190
87372-66-5 2-Methyl-1,2-di-3-pyridyl-1-propanone; Oxime, *in* M-00248
87394-87-4 7-Amino-5,6,7,8-tetrahydro-1-naphthalenol; (±)-*form*, *N*,*N*-Dipropyl; B,HBr, *in* A-00335
87425-18-1 α-Ethyl-1-hydroxycyclohexaneacetic acid; (±)-*form*, Nicotinamide salt (1:1), *in* E-00193
87434-82-0 Dezaguanine mesilate, *in* D-00115
87440-45-7 CG 4203, *in* T-00027
87463-91-0 Furegrelate sodium, *in* F-00289
87495-31-6 Disoxaril, D-00538
87495-32-7 Win 51711, *in* D-00538
87495-33-8 Napamezole hydrochloride, *in* N-00040
87500-88-7 PR 1381, *in* C-00421
87501-14-2 ▷Clerocidin, C-00421
87532-32-9 9,10-Epoxy-16-hydroxyverrucarin *A*, *in* V-00023
87551-98-2 Empedopeptin, E-00041
87555-18-8 Tofisopam; (±)-*form*, *in* T-00342
87555-93-9 Diethylenetriamine; *N*,*N*′,*N*″-Tris(4-methylbenzenesulfonyl), *in* D-00245
87556-66-9 Cloticasone, C-00509
87565-54-6 Supidimide; (±)-*form*, *in* S-00272
87606-98-2 GSN (as disodium salt), *in* G-00082
87626-55-9 4-Oxo-2-phenyl-4*H*-1-benzopyran-8-acetic acid, O-00136
87638-04-8 Carumonam, C-00104
87646-83-1 Lodazecar, L-00069
87679-37-6 Trandolapril, *in* T-00396
87679-71-8 Trandolaprilat, T-00396
87687-13-6 BTM 1086, *in* D-00291
87691-91-6 Tiospirone, T-00304
87691-92-7 Tiospirone; B,HCl, *in* T-00304
87695-80-5 Antibiotic U 56407, A-00410
87697-99-2 Kelletinin I, *in* E-00114
87721-62-8 Flestolol, *in* D-00352
87729-89-3 Seganserin, S-00036
87747-30-6 Dizocilpine; (±)-*form*, Oxalate, *in* D-00560
87771-40-2 Ioversol, I-00146
87784-12-1 1-[2-(4-Pyridinylamino)benzoyl]piperidine, P-00575
87810-56-8 Fostriecin, F-00260
87848-99-5 Acrivastine, A-00049
87858-98-8 Lofexidine; (*S*)-*form*, B,HCl, *in* L-00075
87860-37-5 Antibiotic PD 113270, *in* F-00260
87860-38-6 Antibiotic PD 113271, *in* F-00260
87862-25-7 Iobenguane; Sulfate, *in* I-00090
87936-75-2 Tazadolene; (*E*)-(±)-*form*, *in* T-00038
87936-82-1 Tazadolene succinate, *in* T-00038
87952-98-5 Mespirenone, M-00135
88036-80-0 Amifloxacin mesylate, *in* A-00195
88040-23-7 Cefepime, C-00125
88041-40-1 Lemidosul, L-00021
88052-45-3 Cinoxopazide; (*E*)-*form*, B,HCl, *in* C-00379
88053-05-8 Cinoxopazide, C-00379
88058-88-2 Naxagolide; (4*aR*,10*bR*)-*form*, *in* N-00053
88059-64-7 Lemidosul; B,HCl, *in* L-00021
88068-67-1 3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl - 2,4(1*H*,3*H*)quinazolinedione, M-00213
88068-72-8 SGB 1534, *in* M-00213
88107-10-2 Tomelukast, T-00375
88111-67-5 Haloxazolam; (±)-*form*, *in* H-00020
88124-27-0 Etazepine, E-00142
88133-11-3 Bemitradine, B-00033
88134-91-2 Falintolol, F-00010
88150-42-9 Amlodipine, A-00351
88198-94-1 8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide; (1(10)*E*,4*E*,6β,8β)-*form*, *in* H-00134
88199-75-1 Sevitropium mesilate, *in* S-00059
88254-07-3 3′-Deamino-3′-(3-cyanomorpholino)doxorubicin, *in* A-00080
88254-99-3 Netobimin; Na salt, *in* N-00079
88255-01-0 Netobimin, N-00079
88255-03-2 Netobimin; Ca salt (2:1), *in* N-00079
88293-09-8 Nanaomycin βA, *in* N-00036
88296-61-1 5-Methyl-1,6-naphthyridin-2(1*H*)-one, M-00272
88296-62-2 Transcainide; *trans*-(±)-*form*, *in* T-00398
88321-09-9 Aloxistatin, *in* M-00266
88362-77-0 5-Chlorooxazalo[4,5-*h*]quinoline-2-carboxylic acid; Na salt, *in* C-00259
88377-68-8 Adrenorphin, A-00078
88391-91-7 Ociltide; (3′*S*)-*form*, *in* O-00002
88416-32-4 5-Deoxygentamicin C_{2b}, *in* G-00018
88426-32-8 3,7-Bis(sulfooxy)cholan-24-oic acid, B-00236
88426-42-0 Gentamicin C; Gentamicin C_{2b}, 2-Hydroxy-6′-*N*-Me, *in* G-00018
88431-47-4 Clomoxir, C-00474
88437-23-4 N-Deacetyl-N-3-oxobutyrylcolchicine, *in* C-00534
88476-76-0 1,4-Bis[2-(diethylamino)ethoxy]anthraquinone, B-00205
88569-63-5 Amifloxacin; Et ester, *in* A-00195
88578-07-8 Imoxiterol, I-00043
88578-08-9 Imoxiterol; 2B,H_2SO_4, *in* I-00043
88578-14-7 Imoxiterol; B,2HCl, *in* I-00043
88578-18-1 Imoxiterol; Fumarate (1:1), *in* I-00043
88579-39-9 Tasuldine, T-00029
88579-40-2 Tasuldine; B,HCl, *in* T-00029
88629-90-7 Alteconazole, A-00155
88637-37-0 Diphenhydramine citrate, *in* D-00484
88660-47-3 Dihydroergocryptine; [5′α(*R*)]-*form*, *in* D-00285
88669-04-9 Trospectomycin, T-00557
88678-31-3 Peritetrate, P-00125
88728-81-8 Ociltide; (3′*S*)-*form*, B,HCl, *in* O-00002
88763-78-4 Supidimide; (*R*)-*form*, *in* S-00272
88768-40-5 9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-*a*][1,2]-diazepine-1-carboxylic acid, *in* C-00343
88768-67-6 3-(3-Hydroxyphenyl)-1-propylpiperidine; (*S*)-*form*, B,HCl, *in* H-00194
88824-78-6 Cilazaprilat; 1′-Et ester; B,HCl, *in* C-00343
88844-73-9 Flestolol sulfate, *in* D-00352
88851-61-0 Trospectomycin sulfate, *in* T-00557

88851-62-1 Piriprost potassium, *in* P-00334
88859-04-5 Mafosfamide; *cis*-(±)-*form*, *in* M-00004
88889-14-9 Fosinopril sodium, *in* C-00611
88977-22-4 Isradipine; (±)-*form*, *in* I-00219
89053-43-0 Guaimesal; (±)-*form*, *in* G-00094
89149-10-0 15-Deoxyspergualin, *in* S-00112
89163-44-0 Cinaproxen; (2*R*,2′*S*)-*form*, *in* C-00356
89194-77-4 Bisaramil, B-00192
89197-32-0 Efaroxan, E-00017
89198-09-4 Imazodan hydrochloride, *in* I-00026
89210-93-5 [6-(2-Chloro-4-methoxyphenoxy)hexyl]phosphonic acid, C-00254
89224-07-7 Trenizine, T-00411
89226-50-6 Manidipine, M-00017
89226-75-5 CV 4093, *in* M-00017
89303-63-9 Atiprosine, A-00470
89303-64-0 Atiprosin maleate, *in* A-00470
89362-24-3 Bicyclomycin; (±)-*form*, *in* B-00158
89365-50-4 Salmeterol; (±)-*form*, *in* S-00019
89371-37-9 Imidapril, I-00029
89391-50-4 Imirestat, I-00041
89396-94-1 TA 6366, *in* I-00029
89410-65-1 Temarotene, T-00059
89457-62-5 Degratef, *in* M-00019
89613-77-4 Mezacopride, *in* Z-00002
89662-30-6 Detirelix, D-00107
89667-39-0 7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid; (*Z*)-*form*, *in* P-00205
89667-40-3 7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid; (*E*)-*form*, *in* P-00205
89747-91-1 Benazeprilat, B-00038
89767-59-9 Salmisteine, *in* A-00031
89778-25-6 Toremifene; (*Z*)-*form*, B,HCl, *in* T-00388
89778-26-7 Toremifene; (*Z*)-*form*, *in* T-00388
89778-27-8 Toremifene; (*Z*)-*form*, Citrate, *in* T-00388
89786-04-9 Tazobactam, T-00043
89796-99-6 Aceclofenac, *in* D-00210
89797-00-2 Iopentol, I-00126
89838-96-0 8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]-octanoic acid, T-00525
89875-86-5 Tiflucarbine, T-00266
89899-81-0 Ammonium-21-tungsto-9-antimoniate, *in* H-00059
89943-82-8 Cicletanine; (±)-*form*, *in* C-00327
89987-06-4 Tiludronic acid, T-00280
90038-01-0 Domosedan, *in* D-00426
90055-48-4 Clopidogrel; (±)-*form*, *in* C-00484
90055-49-5 Clopidogrel; (±)-*form*, B,HCl, *in* C-00484
90055-97-3 Tienoxolol; (±)-*form*, *in* T-00262
90098-04-7 2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]-propanoic acid, C-00219
90101-16-9 Droxicam, D-00615
90104-48-6 Doreptide, D-00584
90139-06-3 Cilazaprilat, C-00343
90182-92-6 Zacopride, Z-00002
90207-12-8 Sulicrinat, S-00224
90237-04-0 Secoverine; (+)-*form*, *in* S-00033
90237-06-2 DU 23903, *in* S-00033
90243-97-3 Spiclamine, S-00113
90243-98-4 Dimoxaprost, D-00462
90247-08-8 8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid; (±)-*form*, *in* C-00240
90247-29-3 8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid; (*R*)-*form*, *in* C-00240
90247-30-6 8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid; (*S*)-*form*, *in* C-00240
90274-22-9 Darenzepine, D-00015
90274-23-0 Zaltidine hydrochloride, *in* Z-00004
90274-24-1 Ractopamine hydrochloride, *in* B-00414
90293-01-9 Bifemelane, B-00161
90301-59-0 5-(2-Chloroethyl)-2′-deoxyuridine, *in* C-00239
90301-68-1 5-(2-Chloroethyl)uracil, C-00239
90326-85-5 Nesapidil, N-00076
90350-40-6 Methylprednisolone suleptanate, *in* M-00297
90408-21-2 Efetozole, E-00018
90509-02-7 Luxabendazole, L-00119
90523-31-2 Azidopine, A-00523
90566-53-3 Fluticasone, F-00227
90581-63-8 Falintolol; (±)-*form*, *in* F-00010
90685-01-1 Pitrazepin, P-00360
90693-76-8 Eptaloprost, E-00096
90697-19-1 1-Bromoestradiol, *in* O-00028
90697-56-6 (2-Imidazol-1-yl)ethyl benzoate, I-00031
90697-57-7 Motapizone; (±)-*form*, *in* M-00454
90729-41-2 Oxodipine, O-00128
90729-42-3 Carebastine, C-00073
90729-43-4 Ebastine, E-00001
90733-40-7 Edifolone, E-00013
90733-42-9 Edifolone acetate, *in* E-00013
90749-32-9 Laprafylline, L-00010
90828-99-2 Itrocainide, I-00223
90829-00-8 Itrocainide; B,HCl, *in* I-00223
90845-56-0 Trecadrine, T-00407
90849-08-4 Oximonam sodium, *in* O-00115
90850-05-8 Gloximonam, *in* O-00115
90877-48-8 Terbutaline; (+)-*form*, *in* T-00084
90878-85-6 HSR 770, *in* I-00048
90895-85-5 Ronactolol, R-00083
90898-90-1 Oximonam, O-00115
90961-53-8 Tedisamil, T-00050
90992-25-9 Besulpamide, B-00139
91017-58-2 Abunidazole, A-00003
91161-71-6 Terbinafine, T-00081
91257-14-6 Tuvatidine, T-00576
91296-86-5 Difloxacin hydrochloride, *in* D-00268
91304-04-0 Dimetagrel, D-00388
91374-20-8 Ropinirole; B,HCl, *in* R-00087
91374-21-9 Ropinirole, R-00087
91406-11-0 Esuprone, E-00130
91431-42-4 Lonapalene, *in* C-00257
91432-48-3 Ascamycin, A-00454
91440-86-7 Piroxantrone; B,1·8HCl, *in* P-00350
91441-23-5 Piroxantrone, P-00350
91463-82-0 Nefopam; (*R*)-*form*, *in* N-00063
91524-14-0 Napamezole, N-00040
91524-15-1 Irloxacin, I-00171
91524-18-4 Azumolene sodium, *in* A-00534
91586-90-2 Iodomethanesulfonic acid; Bromide, *in* I-00106
91587-01-8 Pelretin; (*E*,*E*,*E*)-*form*, *in* P-00054
91618-36-9 Ibafloxacin, I-00002
91625-75-1 6-Fluorovitamin D_3, *in* V-00062
91700-98-0 56-Demethylvancomycin, *in* V-00007
91714-93-1 Bromfenac sodium, *in* A-00219
91714-94-2 [2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid, A-00219
91753-07-0 5,14-Dihydrobenz[5,6]isoindolo[2,1-*b*]-isoquinoline-8,13-dione, D-00279
91797-60-3 Sertraline; (1*R*,4*S*)-*form*, *in* S-00052
91833-77-1 Rocastine, R-00070
91853-75-7 Afurolol; (*R*)-*form*, *in* A-00082
91878-52-3 Celiprolol; (*R*)-*form*, *in* C-00163
92071-51-7 Rotraxate; *trans*-*form*, *in* R-00096
92096-16-7 3-O-Demethylmonensin, *in* M-00428
92118-27-9 Fotemustine, F-00261
92134-72-0 Cicletanine, C-00327
92175-57-0 Kelatorphan; (1*S*,1′*R*)-*form*, *in* K-00007
92175-64-9 Kelatorphan; (1*S*,1′*S*)-*form*, *in* K-00007
92210-43-0 Bemarinone, B-00031
92231-92-0 CRL 41034, *in* P-00118
92257-40-4 Dizatrifone, D-00559
92268-40-1 Perfomedil, P-00118
92278-12-1 Gramicidin *S*; Gramicidin S_2, *in* G-00083
92278-13-2 Gramicidin *S*; Gramicidin S_3, *in* G-00083
92302-55-1 Devapamil, D-00110
92308-96-8 Rutamycin B, *in* O-00037
92339-11-2 Iodixanol, I-00099
92588-09-5 Pyrextramine, P-00567
92589-98-5 TVXQ7821, *in* I-00167
92602-21-6 KY 109, *in* C-00122
92615-20-8 Nafenodone; (±)-*form*, *in* N-00013

92615-21-9 Nafenodone; (±)-*form*, B,HCl, *in* N-00013
92615-38-8 Nafenodone; (−)-*form*, *in* N-00013
92615-39-9 Nafenodone; (−)-*form*, B,HCl, *in* N-00013
92623-83-1 Pravadoline, P-00402
92623-85-3 Milnacipran; (±)-*cis-form*, *in* M-00376
92629-87-3 Nafenodone; (+)-*form*, *in* N-00013
92665-29-7 Cefprozil, C-00146
92681-39-5 Aphidicolin; 3,18-Orthoacetate, *in* A-00422
92702-71-1 *N*-(α-Phenylbutyryl)methionine, P-00181
92884-12-3 Erocainide; (*E*,*E*)-*form*, Fumarate (1:1), *in* E-00112
92928-91-1 Peraclopone, P-00110
92990-90-4 Azapride, A-00505
93105-81-8 2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, C-00246
93106-60-6 Enrofloxacin, E-00068
93133-32-5 *N*-Cyclopentyl-*N*-(3-mercapto-2-methylpropionyl)-glycine; (*S*)-*form*, *in* C-00633
93181-81-8 Daxatrigine, D-00021
93181-85-2 Endixaprine, E-00046
93235-19-9 Tropanserin; *exo-form*, *in* T-00547
93235-24-6 Tropanserin; *exo-form*, B,HCl, *in* T-00547
93277-96-4 Altapizone, A-00154
93413-04-8 Asperlicin, A-00463
93413-69-5 Venlafaxine; (±)-*form*, *in* V-00015
93468-87-2 Devapamil; (*S*)-*form*, *in* D-00110
93479-96-0 Alteconazole; (2*RS*,3*RS*)-*form*, *in* A-00155
93675-85-5 1-(2-Hydroxyethyl)-1,4-cyclohexanediol, H-00131
93738-40-0 Ralitoline; (*Z*)-*form*, *in* R-00004
93752-55-7 Albocycline M-1, *in* A-00099
93752-56-8 Albocycline M-2, *in* A-00099
93752-57-9 Albocycline M-4, *in* A-00099
93752-58-0 Albocycline M-5, *in* A-00099
93752-59-1 Albocycline M-6, *in* A-00099
93775-29-2 Albocycline M-3, *in* A-00099
93793-83-0 Altat, *in* R-00097
93797-94-5 Atiprosine; B,2HBr, *in* A-00470
93821-75-1 Butinazocine, B-00406
93851-86-6 Reboxetine, R-00018
93908-02-2 Rebeccamycin, R-00017
93929-95-4 Ekonal, *in* N-00193
93943-87-4 7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, P-00205
94011-82-2 Bazinaprine, B-00019
94058-86-3 2-Amino-5-chlorobenzoxazole; *Imino-form*, 2-*N*-benzyl, 3-Me, *in* A-00225
94079-80-8 Cicaprost, C-00323
94096-42-1 Nafenodone; (+)-*form*, B,HCl, *in* N-00013
94192-59-3 Lixazinone, L-00063
94218-75-4 Teceleukin, *in* I-00081
94344-99-7 7-Amino-5,6,7,8-tetrahydro-1-naphthalenol; (±)-*form*, *in* A-00335
94386-65-9 Pelrinone, P-00055
94419-87-1 Tiflucarbine; B,HCl, *in* T-00266
94444-50-5 TVX P 4495, *in* T-00266
94483-91-7 Fezolamine; B,HCl, *in* F-00100
94497-51-5 4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)amino]carbonyl]benzoic acid, T-00131
94513-55-0 Dehydroryanodine, *in* R-00108
94617-81-9 4-Amino-*N*-(2-aminophenyl)benzamide; B,2HCl, *in* A-00208
94746-78-8 Molracetam, M-00424
94747-57-6 Molracetam; B,HCl, *in* M-00424
94749-04-9 Salmeterol; (±)-*form*, Benzoate, *in* S-00019
94749-10-7 Salmeterol; (±)-*form*, Sulfate (2:1), *in* S-00019
94767-59-6 Paulomycinone *A*, *in* P-00044
94799-76-5 Spiraprilat; Maleate (2:1), *in* S-00118
94799-82-3 4-[2-(3,5-Dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-2,6-piperidinedione; (1*R*,3*R*,5*S*,α*S*)-*form*, *in* D-00441
94841-17-5 Spirapril hydrochloride, *in* S-00118
94936-90-0 6-(3,4-Dimethoxyphenyl)-1-ethyl-3,4-dihydro-3-methyl-4-[(2,4,6-trimethylphenyl)imino]-2(1*H*)-pyrimidinone, D-00401
95013-41-5 Calmidazolium(1+), C-00017
95058-70-1 Nictiazem, N-00106
95120-44-8 Misonidazole; (±)-*form*, *in* M-00395
95145-23-6 ▷Colistin; Colistin A_{II}, *in* C-00536
95145-24-7 ▷Colistin; Colistin A_I, *in* C-00536
95145-25-8 ▷Colistin; Colistin B_{II}, *in* C-00536
95145-27-0 ▷Colistin; Colistin B_I, *in* C-00536
95153-31-4 Perindoprilat, P-00123
95203-42-2 Manozodil; B,HCl, *in* M-00020
95355-10-5 Domipizone; (±)-*form*, *in* D-00573
95374-42-8 Prideperone; B,HCl, *in* P-00428
95374-52-0 Prideperone, P-00428
95520-81-3 Elziverine, E-00032
95520-82-4 Elziverine; B,2HBr, *in* E-00032
95549-92-1 Metazosin; (±)-*form*, *in* M-00156
95550-00-8 VUFB 15111, *in* M-00156
95588-08-2 Tipentosin, T-00310
95630-14-1 Transcainide; *trans*-(−)-*form*, *in* T-00398
95630-16-3 Transcainide; *trans*-(+)-*form*, *in* T-00398
95635-55-5 Ranolazine; (±)-*form*, *in* R-00012
95635-56-6 RS 43285, *in* R-00012
95668-38-5 Idralfidine, I-00018
95668-39-6 CBS 1276, *in* I-00018
95671-26-4 Tipentosin hydrochloride, *in* T-00310
95729-65-0 Azetirelin, A-00518
95755-20-7 Fluoromethotrexate, F-00187
95847-70-4 Ipsapirone, I-00167
95847-87-3 Revospirone, R-00035
95896-08-5 Anaritide, A-00377
95896-48-3 Iofetamine, I-00110
96036-03-2 Meropenem, M-00128
96055-45-7 Nicotine polacrilex, *in* N-00103
96128-89-1 Erythromycin acistrate, *in* E-00115
96153-56-9 Bisfentidine, B-00214
96153-57-0 Bisfentidine; Maleate (1:2), *in* B-00214
96164-19-1 Peraclopone; (*E*)-(±)-*form*, *in* P-00110
96187-53-0 Brequinar, B-00269
96191-65-0 Ioxabrolic acid, I-00147
96201-88-6 Bipenquinate sodium, *in* B-00269
96207-25-9 Ciglitazone; (*R*)-*form*, *in* C-00339
96258-13-8 Tribendilol; (±)-*form*, *in* T-00427
96301-34-7 1-Methylandrosta-1,4-diene-3,17-dione, M-00223
96306-34-2 Timelotem; (±)-*form*, *in* T-00283
96328-17-5 Adechlorin, A-00066
96337-50-7 Tifluadom; (±)-*form*, B,HCl, *in* T-00265
96346-61-1 Onapristone, O-00047
96389-68-3 Crisnatol, C-00560
96427-12-2 Lactalfate, L-00003
96450-13-4 Acebutolol; (*R*)-*form*, B,HCl, *in* A-00006
96478-43-2 Irindalone; (1*R*,3*S*)-*form*, *in* I-00170
96480-03-4 9-(2,3-Dihydroxy-1-propoxymethyl)guanine; (*S*)-*form*, *in* D-00351
96487-37-5 Nuvenzipine, N-00233
96497-67-5 Cytorhodin *S*, C-00665
96513-33-6 Acesaniamide, A-00017
96645-87-3 Erizepine, E-00111
96647-03-9 Flomoxef; Na salt, *in* F-00120
96743-96-3 Ramciclane, R-00006
96782-90-0 Methyclothiazide; (±)-*form*, *in* M-00218
96807-43-1 Mitonafide; B,HCl, *in* M-00405
96807-46-4 Pinafide; B,HCl, *in* P-00266
96829-58-2 *N*-Formylleucine 1-[(3-hexyl-4-oxo-2-oxetanyl)-methyl]dodecyl ester, *in* L-00055
96829-59-3 Lipstatin, L-00055
96914-39-5 Dizactamide; *cis*-(±)-*form*, *in* D-00558
96914-40-8 Dizactamide; *trans*-(±)-*form*, *in* D-00558
96922-80-4 Topanicate, T-00380
97048-13-0 Urofollitropin, U-00015
97067-66-8 UP 788-42, *in* T-00262
97110-59-3 Trazium esilate, *in* T-00404
97221-00-6 Carteolol; (±)-*form*, *in* C-00102
97229-15-7 Indatraline; (1*RS*,3*RS*)-*form*, *in* I-00053
97240-79-4 MCN 4853, *in* T-00382
97275-40-6 Cefcanel daloxate, *in* C-00122
97466-90-5 Quinelorane; (5*aR*,9*aR*)-*form*, *in* Q-00019
97483-17-5 Tifurac, T-00267

97518-16-6 Ceftibuten; Di-Na salt, *in* C-00155
97519-39-6 Ceftibuten, C-00155
97558-62-8 Flumalol, F-00151
97642-74-5 Clomifenoxide, *in* C-00471
97702-82-4 Iosarcol, I-00133
97747-88-1 Lilopristone; (*Z*)-*form*, *in* L-00049
97783-32-9 Pyrextramine; Oxalate (1:4), *in* P-00567
97825-25-7 Butopamine; (±)-*form*, *in* B-00414
97852-72-7 Tibenelast, T-00249
97858-51-0 Tifluadom; (2*S*)-*form*, B,HCl, *in* T-00265
97858-52-1 Tifluadom; (2*S*)-*form*, *p*-Toluenesulfonate, *in* T-00265
97878-35-8 Libenzapril, L-00042
97878-67-6 Libenzapril; Et ester, *in* L-00042
97900-88-4 Hoe 062, *in* R-00097
97928-20-6 Ebastine; Maleate (1:1), *in* E-00001
97938-09-5 11-Deschlororebeccamycin, *in* R-00017
97964-54-0 Tomoglumide, T-00376
97964-56-2 Lorglumide; (±)-*form*, *in* L-00096
97997-45-0 Rolgamidine; (2*R**,5*R**)-*form*, *in* R-00075
97997-52-9 Rolgamidine; (2*R**,5*R**)-*form*, B,2HCl, *in* R-00075
98048-07-8 Fomidacillin, F-00239
98048-97-6 Fosinopril, *in* C-00611
98059-18-8 Immuneron, *in* I-00079
98059-61-1 Interferon Gamma-1b, *in* I-00079
98079-51-7 Lomefloxacin, L-00078
98079-52-8 Lomefloxacin; (±)-*form*, B,HCl, *in* L-00078
98079-55-1 Lomefloxacin; (*R*)-*form*, *in* L-00078
98079-62-0 Lomefloxacin; (*S*)-*form*, *in* L-00078
98092-92-3 Delmopinol; (±)-*form*, B,HCl, *in* D-00055
98106-17-3 Difloxacin, D-00268
98123-83-2 Epsiprantel; (±)-*form*, *in* E-00095
98185-20-7 Raclopride tartrate, *in* R-00002
98204-48-9 Spirofylline, S-00122
98205-86-8 Flesinoxan, F-00117
98205-89-1 DU 29373, *in* F-00117
98206-09-8 DU 28853, *in* E-00030
98206-10-1 Flesinoxan; (+)-*form*, *in* F-00117
98207-12-6 Lobuprofen, L-00067
98207-13-7 Lobuprofen; B,HCl, *in* L-00067
98207-14-8 Frabuprofen, F-00263
98207-15-9 Frabuprofen; (±)-*form*, B,HCl, *in* F-00263
98224-03-4 Eltoprazine, E-00030
98311-64-9 Nifalatide acetate, *in* N-00109
98330-05-3 Anpirtoline, A-00398
98410-36-7 Palatrigine, P-00004
98410-37-8 Palatrigine; B,$MeSO_3H$, *in* P-00004
98459-16-6 Centphenaquin; B,2HCl, *in* C-00168
98625-27-5 Azidopine; (±)-*form*, *in* A-00523
98647-67-7 Iodipine, I-00098
98651-66-2 Ulobetasol, U-00006
98717-15-8 Ropivacaine; (*S*)-*form*, B,HCl, *in* R-00089
98769-81-4 Reboxetine; (2*RS*,α*RS*)-*form*, *in* R-00018
98769-82-5 Reboxetine; (2*RS*,α*RS*)-*form*, B,$MeSO_3H$, *in* R-00018
98769-84-7 Reboxetine; (2*RS*,α*SR*)-*form*, B,$MeSO_3H$, *in* R-00018
98804-55-8 17-Hydroxy-4-oestren-3-one; 17β-*form*, Sulfo, *in* H-00185
98813-22-0 Steffimycin C, *in* S-00143
98819-76-2 Reboxetine; (2*S*,α*S*)-*form*, *in* R-00018
98819-77-3 Reboxetine; (2*S*,α*S*)-*form*, B,$MeSO_3H$, *in* R-00018
98820-75-8 Alafosfalin; $(R)_C(R)_P$-*form*, *N*-Benzyloxycarbonyl, *in* A-00091
98820-76-9 Alafosfalin; $(R)_C(S)_P$-*form*, *N*-Benzyloxycarbonyl, *in* A-00091
98857-06-8 Alafosfalin; $(R)_C(R)_P$-*form*, *in* A-00091
99107-52-5 Bunaprolast, B-00360
99146-52-8 AHR 11190, *in* Z-00002
99149-95-8 Saruplase, S-00026
99156-66-8 Barmastine, B-00015
99200-09-6 Nebivolol, N-00057
99210-65-8 Interferon Alfa-2b, *in* I-00079
99248-32-5 Donetidine, D-00577
99248-33-6 Seglitide acetate, *in* C-00592
99258-56-7 Oxamisole, O-00083
99291-24-4 Dropropizine; (−)-*form*, *in* D-00610
99300-78-4 Wy 45030, *in* V-00015
99323-21-4 Inaperisone, I-00048
99464-64-9 Ampiroxicam, A-00370
99493-23-9 Ciladopa; (±)-*form*, *in* C-00341
99495-90-6 Flecainide; (*R*)-*form*, *in* F-00114
99495-92-8 Flecainide; (*S*)-*form*, *in* F-00114
99495-93-9 Flecainide; (*S*)-*form*, B,AcOH, *in* F-00114
99495-94-0 Flecainide; (*R*)-*form*, B,AcOH, *in* F-00114
99499-40-8 Disuprazole, D-00544
99500-54-6 Efetozole; (±)-*form*, *in* E-00018
99518-29-3 Derpanicate, D-00090
99522-79-9 Methyl 3-phenyl-2-propen-1-yl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate; (*E*)-*form*, *in* M-00292
99591-83-0 Siguazodan, S-00067
99592-32-2 Sertaconazole, S-00051
99592-39-9 Sertaconazole; (±)-*form*, B,HNO_3, *in* S-00051
99593-25-6 Rilmazafone, R-00051
99614-02-5 Ondansetron; (±)-*form*, *in* O-00048
99617-33-1 Mezacopride hydrochloride, *in* Z-00002
99665-00-6 Flomoxef, F-00120
99705-65-4 Naxagolide; (4*aR*,10*bR*)-*form*, B,HCl, *in* N-00053
99780-88-8 1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]-isoquinoline; (*R*)-*form*, *in* H-00051
99803-72-2 Nerbacadol, N-00074
99876-41-2 Prolame, P-00471
99964-44-0 Ryania Diterpene ester B, *in* R-00108
100020-51-7 1-[3-Azido-4-(hydroxymethyl)cyclopentyl]-5-methyl-2,4(1*H*,3*H*)pyrimidinedione; (±)-*form*, *in* A-00522
100035-75-4 Evandamine; (±)-*form*, *in* E-00277
100082-08-4 Ryania Diterpene ester A, *in* R-00108
100082-09-5 Ryania Diterpene ester D, *in* R-00108
100188-33-8 Piridronate sodium, *in* P-00327
100227-05-2 Pirtenidine; B,HCl, *in* P-00358
100285-48-1 4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, M-00270
100330-91-4 Quinazopyrine, Q-00013
100345-64-0 Siagoside, S-00063
100428-20-4 Flecainide; (*S*)-*form*, B,HCl, *in* F-00114
100428-21-5 Flecainide; (*R*)-*form*, B,HCl, *in* F-00114
100499-91-0 Tuvatidine; B,HCl, *in* T-00576
100499-96-5 Tuvatidine; Maleate (2:1), *in* T-00576
100510-33-6 Adibendan, A-00069
100551-63-1 Exametazime; (*RS*,*SR*)-*form*, *in* E-00278
100570-65-8 Nipradilol; (2′*R*,3*R*)-*form*, *in* N-00154
100570-67-0 Nipradilol; (2′*R*,3*S*)-*form*, *in* N-00154
100643-96-7 Indolidan, I-00064
100650-00-8 Stilbenemidine, S-00154
100680-33-9 Cefuroxime pivoxetil, *in* C-00161
100927-14-8 Befiperide, B-00026
100981-43-9 Ebrotidine, E-00002
100986-85-4 Ofloxacin; (−)-*form*, *in* O-00032
101053-01-4 2-Amino-5-phenyl-4(5*H*)-oxazolone; (±)-*form*, *in* A-00306
101152-94-7 Milnacipran; (±)-*cis*-*form*, B,HCl, *in* M-00376
101155-02-6 9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine, F-00182
101190-60-7 9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine; B,HCl, *in* F-00182
101218-44-4 Bisantrene; B,HCl, AcOH, *in* B-00191
101238-49-7 Emopamil; (±)-*form*, B,HCl, *in* E-00039
101238-50-0 Emopamil; (+)-*form*, *in* E-00039
101238-51-1 Emopamil; (−)-*form*, *in* E-00039
101238-54-4 Emopamil; (−)-*form*, B,HCl, *in* E-00039
101238-55-5 Emopamil; (±)-*form*, *in* E-00039
101238-56-6 Emopamil; (+)-*form*, B,HCl, *in* E-00039
101303-98-4 Zacopride hydrochloride, *in* Z-00002
101335-99-3 Eprovafen, E-00092
101363-10-4 Rufloxacin, R-00104
101389-86-0 Fluparoxan, F-00197
101389-87-1 GR 50360*A*, *in* F-00197
101396-42-3 Mequitazium iodide, *in* M-00110
101396-47-8 Mequitazium(1+); Methanesulfonate, *in* M-00110

101411-70-5 Paldimycin; Paldimycin *A*, *in* P-00005
101411-71-6 Paldimycin; Paldimycin *B*, *in* P-00005
101489-38-7 Isorengyol, *in* H-00131
101526-62-9 Sematilide; B,HCl, *in* S-00040
101526-83-4 Sematilide, S-00040
101626-69-1 Bemarinone hydrochloride, *in* B-00031
101626-70-4 Talipexole, T-00009
101689-06-9 2-Heptanamine; (*R*)-*form*, B,HCl, *in* H-00030
101831-36-1 Clazuril; (±)-*form*, *in* C-00413
101831-37-2 Diclazuril; (±)-*form*, *in* D-00209
101904-54-5 Micinicate;, *in* M-00362
101975-10-4 Zardaverine, Z-00007
102097-78-9 2,6-Dimethyl-4-(2-nitrophenyl)-5-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-3-pyridinecarboxylate, D-00437
102121-57-3 4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)amino]carbonyl]benzoic acid; NH_4 salt, *in* T-00131
102130-84-7 Antibiotic LL-F28249α, A-00408
102144-78-5 Tameridone, T-00020
102196-03-2 Rotraxate: *trans-form*, Me ester; B,HCl, *in* R-00096
102221-81-8 2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol: (3*RS*,5*RS*)-*form*, *in* T-00122
102268-75-7 Devapamil; (±)-*form*, *in* D-00110
102280-35-3 Baquiloprim, B-00012
102426-96-0 Paldimycin, P-00005
102491-77-0 Demecolcine; (±)-*form*, *in* D-00062
102507-71-1 Tigemonam, T-00268
102522-04-3 Tigemonam; Di-Na salt, *in* T-00268
102583-46-0 Detirelix acetate, *in* D-00107
102669-89-6 Saterinone; (±)-*form*, *in* S-00027
102685-83-6 Saterinone; (±)-*form*, B,HCl, *in* S-00027
102727-66-2 Procyclidine; (*R*)-*form*, *in* P-00455
102733-72-2 Somatrem; Sometripor, BAN, INN, USAN, *in* S-00099
102742-69-8 Tomoglumide; (±)-*form*, *in* T-00376
102744-97-8 Somatrem; Sometribove, BAN, INN, USAN, *in* S-00099
102778-41-6 2-Phenylcyclopentylamine; (1*R*,2*R*)-*form*, B,HCl, *in* P-00185
102778-42-7 2-Phenylcyclopentylamine; (1*S*,2*S*)-*form*, B,HCl, *in* P-00185
102791-47-9 Nanterinone, N-00037
102791-74-2 UK 61260-27, *in* N-00037
102831-14-1 α-Formamido-α-methylacetophenone, *in* A-00309
102993-22-6 Niguldipine; (±)-*form*, *in* N-00138
102996-07-6 Zaltidine; B,2HBr, *in* Z-00004
103024-44-8 Pemedolac, P-00056
103060-53-3 Daptomycin, D-00014
103069-18-7 Amlodipine; (±)-*form*, *in* A-00351
103181-72-2 Guaistene, G-00096
103188-50-7 Zolpidem tartrate, *in* Z-00033
103238-57-9 Cefempidone, C-00124
103371-30-8 Almagodrate, A-00135
103379-79-9 Tuclazepam; (±)-*form*, *in* T-00573
103380-22-9 Tuclazepam; (±)-*form*, Tartrate, *in* T-00573
103380-60-5 Tuclazepam; (−)-*form*, *in* T-00573
103408-82-8 Tuclazepam; (−)-*form*, Tartrate, *in* T-00573
103408-84-0 Tuclazepam; (+)-*form*, Tartrate, *in* T-00573
103475-41-8 Tepoxalin, T-00077
103530-47-8 Chuanbeinone, C-00314
103577-45-3 Lansoprazole, L-00008
103607-12-1 Adrenorphin; B,3AcOH, *in* A-00078
103624-59-5 Traboxopine, T-00392
103628-46-2 Sumatriptan, S-00268
103628-47-3 Sumatriptan hemisuccinate, *in* S-00268
103628-48-4 Sumatriptan succinate, *in* S-00268
103639-04-9 Ondansetron hydrochloride, *in* O-00048
103725-47-9 Betiatide, B-00144
103746-25-4 [1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum, C-00598
103775-10-6 Moexipril, M-00419
103775-74-2 [1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum; (*S*)-*form*, *in* C-00598
103775-75-3 [1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum; (*R*)-*form*, *in* C-00598
103847-13-8 Guan-fu Base Z, *in* H-00136
103890-78-4 Lacidipine, *in* D-00430
103890-79-5 4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]-phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid; (*Z*)-*form*, Di-Et ester, *in* D-00430
103923-27-9 Pirtenidine, P-00358
103923-28-0 Pirtenidine; B,HBr, *in* P-00358
103946-15-2 Elnadipine; (−)-*form*, *in* E-00029
103957-16-0 2,5-Diamino-2-(difluoromethyl)pentanoic acid; (+)-*form*, *in* D-00126
103980-44-5 Ceftiofur hydrochloride, *in* C-00156
103980-45-6 Metostilenol; (±)-*form*, *in* M-00337
103997-59-7 Selprazine, S-00039
104010-37-9 Ceftiofur sodium, *in* C-00156
104018-09-9 Selprazine; B,2HCl, *in* S-00039
104051-69-6 A60969, *in* T-00390
104054-27-5 Atipamezole; (±)-*form*, *in* A-00469
104113-54-4 Irindalone; (1*RS*,3*SR*)-*form*, *in* I-00170
104153-37-9 Rilopirox, R-00053
104172-33-0 Tifurac; Sulfoxide, *in* T-00267
104172-34-1 Tifurac; Sulfone, *in* T-00267
104227-87-4 Famciclovir, F-00012
104383-17-7 Sabeluzole; (±)-*form*, *in* S-00001
104456-79-3 Cisconazole, C-00397
104485-01-0 Trapencaine; *trans*-(±)-*form*, *in* T-00400
104561-36-6 Doretinal, D-00585
104592-54-3 Sabeluzole, S-00001
104595-79-1 Anaritide acetate, *in* A-00377
104609-87-2 Rocastine; (±)-*form*, *in* R-00070
104609-88-3 Rocastine; (±)-*form*, Fumarate (1:1), *in* R-00070
104617-86-9 Pramipexole, P-00396
104632-25-9 Pramipexole; (*S*)-*form*, B,2HCl, *in* P-00396
104632-26-0 Pramipexole; (*S*)-*form*, *in* P-00396
104632-27-1 Pramipexole; (*R*)-*form*, B,2HCl, *in* P-00396
104632-28-2 Pramipexole; (*R*)-*form*, *in* P-00396
104719-71-3 Lorcinadol; (*E*)-*form*, *in* L-00095
104821-36-5 Cloflumide, C-00459
104821-37-6 VUFB 15496, *in* C-00459
104987-11-3 FK 506, F-00108
105102-18-9 Tibenelast sodium, *in* T-00249
105102-20-3 Liroldine, L-00056
105102-21-4 Torbafylline, T-00387
105102-22-5 Mometasone, M-00426
105118-13-6 Iprotiazem; (*R*)-*form*, *in* I-00163
105118-14-7 Datelliptium chloride, *in* D-00017
105138-32-7 Timelotem, T-00283
105182-35-2 Florfenicol; (1*RS*,2*SR*)-*form*, *in* F-00124
105219-56-5 Apafant, A-00420
105292-63-5 Alonacic; B,HCl, *in* A-00141
105292-70-4 Alonacic, A-00141
105314-52-1 Tomoxetine; (±)-*form*, *in* T-00377
105419-52-1 Cloflumide; (±)-*form*, Maleate (1:1), *in* C-00459
105426-14-0 Erdosteine; (±)-*form*, *in* E-00100
105430-53-3 2-Hydroxy-5-aminobenzonitrile, *in* A-00266
105523-37-3 Tiprotimod, T-00319
105566-70-9 Timelotem maleate, *in* T-00283
105708-77-8 Zeflabetaine, *in* U-00009
105784-61-0 A 62254, *in* T-00058
105979-17-7 Benidipine, B-00054
106017-08-7 Rufloxacin; B,HCl, *in* R-00104
106266-06-2 Risperidone, R-00063
106485-63-6 Isomazole; (±)-*form*, *in* I-00190
106650-56-0 Sibutramine, S-00065
106651-53-0 Tasuldine; Succinate (1:1), *in* T-00029
106669-71-0 Arpromidine, A-00449
106669-72-1 Arpromidine; B,3HCl, *in* A-00449
106719-74-8 Galtfenin, G-00008
106754-53-4 Isofloxythepin; (±)-*form*, *in* I-00187
106754-63-6 Isofloxythepin; (±)-*form*, Monomethanesulfonate, *in* I-00187
106791-40-6 Mivacurium(2+), M-00409
106819-39-0 Isofloxythepin; (*S*)-*form*, *in* I-00187

106819-40-3 Isofloxythepin; (*S*)-*form*, Monomethanesulfonate, *in* I-00187
106819-41-4 Isofloxythepin; (*R*)-*form*, *in* I-00187
106819-42-5 Isofloxythepin; (*R*)-*form*, Monomethanesulfonate, *in* I-00187
106854-46-0 Argimesna, *in* A-00441
106861-44-3 Mivacurium chloride, *in* M-00409
106881-33-8 Topiramate; β-D-*form*, Dimethylsulfamate, *in* T-00382
106900-12-3 Loperamide oxide, *in* L-00087
106972-33-2 Denipride, D-00073
106974-51-0 2-Tetradecyloxiranecarboxylic acid; (*R*)-*form*, *in* T-00110
106988-42-5 Crisnatol; B,2HCl, *in* C-00560
107007-99-8 Granisetron hydrochloride, *in* G-00086
107097-80-3 Loxiglumide; (±)-*form*, *in* L-00107
107298-26-0 Ibafloxacin; (*S*)-*form*, *in* I-00002
107452-79-9 Cefmepidium chloride, *in* C-00131
107736-98-1 Umespirone, U-00007
107746-85-0 Lorcinadol, L-00095
107793-72-6 Ioxilan, I-00149
108050-54-0 Tilmicosin, T-00275
108050-82-4 EMD 38362, *in* R-00099
108138-28-9 Temafloxacin; (±)-*form*, *in* T-00058
108138-46-1 Tosufloxacin, T-00390
108225-85-0 Denipride; (±)-*form*, Fumarate, *in* D-00073
108319-06-8 Temafloxacin, T-00058
108319-07-9 Pirazmonam, P-00314
108437-28-1 Binfloxacin, B-00169
108643-62-5 Oxyphencyclimine; (*S*)-*form*, B,HCl, *in* O-00159
108674-86-8 Sergolexole, S-00047
108674-87-9 Sergolexole; Maleate, *in* S-00047
108686-80-2 Taludipine; (*E*)-*form*, B,HBr, *in* T-00019
108687-08-7 Taludipine; (*E*)-*form*, *in* T-00019
108692-07-5 Oxyphencyclimine; (*R*)-*form*, B,HCl, *in* O-00159
108700-03-4 Taludipine; (*E*)-*form*, B,HCl, *in* T-00019
108700-30-7 Taludipine, T-00019
108767-50-6 Trecadrine; (α*R*,β*S*)-*form*, *in* T-00407
108785-69-9 Lorpiprazole, L-00099
108785-70-2 Lorpiprazole; B,$MeSO_3H$, *in* L-00099
108785-71-3 Lorpiprazole; B,HCl, *in* L-00099
108785-72-4 Lorpiprazole; B,2HCl, *in* L-00099
108945-35-3 Taprostene, T-00027
109074-83-1 1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)phenyl]-3-pyridinecarboxylic acid; (±)-*form*, *in* D-00283
109345-56-4 3-O-Demethylmonensin B, *in* M-00428
109434-22-2 2-Methoxy-2-methylpropyl isocyanide, M-00205
109543-76-2 Romazarit, R-00080
109713-79-3 Neldazosin, N-00064
109786-78-9 Dimetagrel; (±)-*form*, *in* D-00388
109826-26-8 1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*]-[4,1]benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, D-00292
109826-27-9 CGS 9343*B*, *in* D-00292
109837-89-0 Dimetagrel; (*S*)-*form*, *in* D-00388
109872-41-5 BRL 24924A, *in* R-00023
110138-57-3 Traboxopine; (±)-*form*, *in* T-00392
110140-89-1 Ridogrel; (*E*)-*form*, *in* R-00043
110141-09-8 Ridogrel; (*Z*)-*form*, *in* R-00043
110390-84-6 Perbufylline, P-00117
110588-56-2 Noberastine, N-00194
111079-50-6 1,7-Dihydro-6*H*-purine-6-thione; 1,9-*Dihydro*-*form*, *in* D-00299
111149-90-7 2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid; (±)-*form*, *in* C-00246
111317-37-4 2-Amino-6-(1,2-dihydroxypropyl)-3-methylpterin-4-one, *in* B-00172
111469-81-9 Naltrindole; B,HCl, *in* N-00035
111555-53-4 Naltrindole, N-00035
111841-85-1 Abecarnil, A-00001
111911-87-6 2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]-propanoic acid; (±)-*form*, *in* C-00219
111911-90-1 2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]-propanoic acid; (+)-*form*, *in* C-00219
111922-05-5 Noberastine; Maleate (1:2), *in* N-00194
112192-04-8 Roxindole, R-00099
112727-80-7 Renzapride, R-00023
113165-32-5 Niguldipine; (+)-*form*, *in* N-00138
113317-61-6 Niguldipine; (±)-*form*, B,HCl, *in* N-00138
113720-90-4 Technetium sestamibi, *in* M-00205
113775-47-6 4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole; (+)-*form*, *in* T-00505
114012-12-3 Phaclofen; (±)-*form*, *in* P-00134
114078-94-3 1,3λ^4,δ^2,5,2,4-Trithiadiazine, T-00539
114102-66-8 1,3λ^4,δ^2,5,2,4-Trithiadiazine; 1-Oxide, *in* T-00539
114431-91-3 Disiquonium(1+), D-00534
114489-64-4 1-[3-Azido-4-(hydroxymethyl)cyclopentyl]-5-methyl-2,4(1*H*,3*H*)pyrimidinedione; (+)-*form*, *in* A-00522
115344-47-3 Siguazodan; (±)-*form*, *in* S-00067

Type of Compound Index

This index lists virtually all drugs contained in the Dictionary under one or more headings based principally on pharmacological activity but also including some headings related to compound types (e.g. peptides, enzymes, tetracycline antibiotics). Sections appear in the following order:

Abortifacients	*page* 531
Acaricides	531
Adrenergic neurone blocking agents	531
α-Adrenoceptor blocking agents	531
β-Adrenoceptor blocking agents	531
Adrenoceptor stimulants	532
Adrenocortical hormones	532
α-Adrenoceptor stimulants	532
β-Adrenoceptor stimulants	532
Aldehyde dehydrogenase inhibitors	532
Aldosterone inhibitors	532
Amoebicides	532
Anabolic agents	533
Anaesthetics, general	533
Anaesthetics, local	534
Anaesthetics, spinal	534
Analgesics	534
Androgenic agents	537
Angiotensin converting enzyme inhibitors	538
Anorectic agents	538
Anthelmintics	538
Antiallergic agents	539
Antianaemic agents	540
Antiandrogens	540
Antianginal agents	540
Antiarrhythmic agents	541
Antiasthmatic agents	542
Antibacterial agents	542
Antibiotics	547
Anticholinergic agents	549
Anticholinesterases	550
Anticoagulants	550
Anticolitis agents	551
Anticonvulsants	551
Antidepressants	551
Antidiarrhoeal agents	553
Antidiuretic agents	553
Antiemetics	553
Antifungal agents	554
Antihepatoxic agents	555
Antihistamines	555
Antihypertensive agents	556
Antiinflammatory agents	559
Antileprotic agents	563
Antimalarials	563
Antimetabolites	563
Antimicrobials	563
Antineoplastic agents	563
Antioestrogens	566
Antiparkinsonian agents	566
Antiprotozoals	566
Antipyretics	567
Antiseptics	568
Antispasmodics	568
Antithyroid agents	570
Antitussives	570
Antiulcerogenic agents	571
Antiviral agents	571
Anxiolytic agents	572
Astringents	572
Beta-lactamase inhibitors	572
Bronchodilators	572
Calcium-regulating agents	573
Carbonic anhydrase inhibitors	573
Cardiac depressants	574
Cardiac glycosides	574
Cardiotonic agents	574
Carminatives	574
Central depressants	574
Central stimulants	575
Cephalosporins	575
Chelating agents	576
Choleretic agents	576
Cholinergic agents	576
Coccidiostats	576
Contraceptives	577
Contraceptives, oral	577

Contraceptives, post-coital 577
Corticosteroids 577
Corticotrophin analogues 577
Dehydropeptidase ihibitors 577
Dental caries prophylactics 578
Dermatological agents 578
Diagnostic agents 578
Dietary agents 579
Digestive agents 579
Disinfectants 579
Diuretics 580
Dopamine antagonists 581
Dopamine β-hydroxylase inhibitors 581
Dopaminergic agents 581
Emetics 581
Enzymes 581
Enzyme inhibitors 581
Expectorants 582
Fibrinolytic agents 582
Gallstone dispersing agents 582
Ganglion blocking agents 582
Gastric secretion inhibitors 582
Gastrointestinal agents 583
Glucocorticoids 583
Gout suppressants 584
H_1-receptor antagonists 584
H_2-receptor antagonists 584
Haematinic agents 584
Haemostatic agents 584
Hormones, glucocorticoid 585
Hormones, gonadotrophic 585
Hormones, mineralocorticoid 585
Hormones, pituitary 585
Hormones, thyroid 585
Hypertensive agents 585
Hypnotics 585
Hypocholesterolaemic agents 586
Hypoglycaemic agents 587
Immunostimulants 587
Immunosuppressants 587
Insecticides 587
Keratolytic agents 588
Lipid regulating agents 588
Luteolytic agents 589
Metal-poisoning antidotes 589
Mineralocorticoids 589
Miotic agents 589
Molluscicides 589
Monoamine oxidase inhibitors 589
Mucolytic agents 589
Muscle relaxants 589
Mydriatic agents 590
Narcotic analgesics 590
Narcotic antagonists 591
Nasal decongestants 591
Neuroleptic agents 591
Neuromuscular blocking agents, 592
Neuromuscular blocking agents, depolarising 592
Neuromuscular blocking agents, nondepolarising 592
Neurotransmitters 593
Nutritional agents 593
Oestrogens 593
Opiates 593
Ovulation-inducing agents 593
Oxytocic agents 593
Penicillins 593
Peptides 594
Peptides, opioid 594
Platelet aggregation inhibiting agents 594
Progestogens 595
Prolactin release inhibitors 595
Prostaglandins 595
Psychotropic agents 596
Psychomimetic agents 596
Purgatives 596
Radiopaque agents 596
Radiopharmaceutical agents 597
Radioprotective agents 597
Reserpine antagonists 597
Schistosomicides 597
Sedatives 597
Serotonin antagonists 598
Sex hormones, male 599
Sex hormones, female 599
Stimulant, respiratory 599
Sulfonamides 599
Sunscreen agents 599
Sympathomimetic agents 600
Tetracyclines 600
Tonics 600
Tranquillisers 600
Trichomonacides 602
Trypanocides 602
Tuberculostatic agents 602
Urease inhibitors 603
Uricosuric agents 603

Urinary antimicrobial agents 603
Vasoconstrictors 603
Vasodilators 603
Vasodilators, cerebral 604
Vasodilators, coronary 604
Vasodilators, peripheral 605
Vitamins 605

Type of Compound Index

Abortifacients

Alfaprostol, A-00110
▷Azastene, A-00511
▷Carboprost, C-00062
11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid, D-00322
11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid, D-00324
11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339
11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341
▷2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]triazolo[5,1-*a*]-isoquinoline, E-00169
▷Etiproston, E-00239
Fenprostalene, F-00074
▷Gemeprost, G-00015
Lilopristone, L-00049
▷Lotrifen, L-00104
Mifepristone, M-00371
▷Sulprostone, S-00261
▷Trichosanthin, T-00444
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483

Acaricides

▷Amitraz, A-00349
▷Benzyl benzoate, *in* B-00092
▷Bromocyclen, B-00295
▷Carbophenothion, C-00060
▷Coumaphos, C-00555
▷Crotamiton, C-00567
▷Dioxathion, D-00475
Flumethrin, F-00158
Nimidane, N-00148
▷Phosmet, P-00213
▷Piperonyl butoxide, P-00293
▷Pirimiphos-ethyl, P-00329
Proclonol, P-00453
▷Pyrimitate, P-00587
Tioctilate, *in* T-00193

Adrenergic neurone blocking agents

Acaprazine, A-00004
Brazergoline, B-00266
Cocaine, C-00523
▷Cocaine; (−)-*form*, *in* C-00523
Damotepine, D-00009
Dihydroergocryptine, D-00285
▷Ethomoxane, E-00158
▷Guanethidine, G-00102
Pamatolol, P-00008
▷Solypertine, S-00096
Soquinolol, S-00103
Yohimbic acid, Y-00001
Zolertine, Z-00030

α-Adrenoceptor blocking agents

Adimolol, A-00070
Alfuzosin, A-00112
Amosulalol, A-00360
Aptazapine, A-00433
Atipamezole, A-00469
▷Azapetine, A-00504
Benextramine, B-00049
▷2-Benzyl-2-imidazoline, B-00120
Bucindolol, B-00338
Buphenine, B-00367
2-(2,3-Dihydro-1,4-benzodioxin-2-yl)-1*H*-imidazole, D-00280
4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, D-00445
Efaroxan, E-00017
Fluparoxan, F-00197
Idralfidine, I-00018
Imiloxan, I-00036
Indopanolol, I-00066
Indoramin, I-00069
▷Labetalol, L-00001
Medroxalol, M-00058
3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl -2,4(1*H*,3*H*)-quinazolinedione, M-00213
▷Niaprazine, N-00083
▷Phenoxybenzamine, P-00170
▷Phentolamine, P-00175
▷Piperoxan, P-00294
▷Prazosin, P-00409
Proroxan, P-00525
Pyrextramine, P-00567
Rilmenidine, R-00052
▷Thymoxamine, T-00227
Tropodifene, T-00556
▷Yohimbine, Y-00002

β-Adrenoceptor blocking agents

Acebutolol, A-00006
Afurolol, A-00082
▷Alprenolol, A-00151
Amosulalol, A-00360
Ancarolol, A-00380
Arotinolol, A-00447
▷Atenolol, A-00468
▷Befunolol, B-00027
Betaxolol, B-00142
Bevantolol, B-00146
Bisoprolol, B-00233
Bometolol, B-00251
Bopindolol, B-00253
Bornaprolol, B-00256
Bucindolol, B-00338
▷Bucumolol, B-00343
Bufetolol, B-00349
▷Bufuralol, B-00352
▷Bunitrolol, B-00364
Bunolol, B-00365
▷Bupranolol, B-00369
Butidrine, B-00403
Butocrolol, B-00411
Butofilolol, B-00412
▷Carazolol, C-00038
Carpindolol, C-00096
Carteolol, C-00102
Carvedilol, C-00105
Celiprolol, C-00163
Cetamolol, C-00181
Cicloprolol, C-00332
Cimaterol, C-00349
Cinamolol, C-00354
Cloranolol, C-00493
Cloxacepride, C-00514
Dalbraminol, D-00005
Diacetolol, D-00118
Dioxadilol, D-00471
Draquinolol, D-00600
Epanolol, E-00071
Esmolol, E-00123

Exaprolol, E-00279
Falintolol, F-00010
Flestolol, *in* D-00352
Flumalol, F-00151
Flusoxolol, F-00221
2-(Guanidinomethyl)octahydro-1*H*-azocine, G-00111
Idropranolol, I-00019
Indenolol, I-00056
Indopanolol, I-00066
Iprocrolol, I-00159
1-(Isopropylamino)-3-(1,4-ethano-1,2,3,4-tetrahydro-5-naphthyloxy)-2-propanol, I-00202
▷Labetalol, L-00001
Mabuterol, M-00001
Medroxalol, M-00058
Mepindolol, M-00097
Metalol, M-00148
▷Metipranolol, M-00322
▷Metoprolol, M-00334
Mindodilol, M-00383
Moprolol, M-00435
▷Nadolol, N-00006
Nadoxolol, N-00007
Nafetolol, N-00015
Nebivolol, N-00057
Neraminol, N-00073
▷Nifenalol, N-00111
▷Oxprenolol, O-00145
Pacrinolol, P-00001
Pafenolol, P-00002
Pargolol, P-00036
Penbutolol, P-00059
Penirolol, P-00070
▷Pindolol, P-00270
Pirepolol, P-00322
▷Practolol, P-00394
Primidolol, P-00435
Procinolol, P-00451
▷Pronethalol, P-00483
▷Propranolol, P-00514
Ridazolol, R-00041
Sotalol, S-00106
Spirendolol, S-00119
Sulfinalol, S-00214
▷Talinolol, T-00008
▷Teoprolol, T-00075
Tertatolol, T-00097
Tienoxolol, T-00262
Timolol, T-00288
Tiprenolol, T-00315
Tolamolol, T-00343
▷Toliprolol, T-00352
Topicaine, T-00381
Xibenolol, X-00012
Xipranolol, X-00018

Adrenoceptor stimulants

▷Adrenaline, A-00075
Amidephrine, A-00191
▷5-(2-Aminoethyl)-1,2,4-benzenetriol, A-00255
2-Amino-1-(3-hydroxyphenyl)-1-propanol, A-00274
Buphenine, B-00367
Carbuterol, C-00071
Deterenol, D-00106
▷*N*,β-Dimethylbenzeneethanamine, *in* P-00203
▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
▷Dopamine, D-00579
Epinine, E-00081
Esproquine, E-00124
▷Mephentermine, *in* P-00193
▷4-[2-(Methylamino)propyl]phenol, M-00222
▷*N*-Methyl-2-cyclohexyl-2-propylamine, M-00242
▷Pirbuterol, P-00316
Prenalterol, P-00419
Procaterol, P-00449
Quinterenol, Q-00033

Adrenocortical hormones

▷Corticotrophin, C-00547
▷Cortisol, C-00548
Dehydroepiandrosterone enanthate, *in* H-00110
▷Dehydroisoandrosterone, *in* H-00110
Erythropoietin, E-00117
▷Fludrocortisone, F-00147
▷Fludrocortisone acetate, *in* F-00147
Hydrocortamate, *in* C-00548
Naflocort, N-00018
3-(Sulfooxy)androst-5-en-17-one, *in* H-00110
Timobesone, T-00286
Timobesone acetate, *in* T-00286
▷Trilostane, T-00489

α-Adrenoceptor stimulants

Apraclonidine, A-00427
▷Methoxamine, M-00194
▷Naphazoline, N-00041
Talipexole, T-00009
▷Tetrahydrozoline, T-00140
Tymazoline, T-00580
▷Xylometazoline, X-00023

β-Adrenoceptor stimulants

Dipivefrin, D-00518
Dobutamine, D-00561
Dopexamine, D-00581
Isoetharine, I-00185
▷Isoprenaline, I-00198
▷Isoxsuprine, I-00218
Methoxyphenamine, M-00211
Prizidilol, P-00441
Protokylol, P-00540
▷Salbutamol, S-00012
▷Soterenol, S-00107
Tribendilol, T-00427

Aldehyde dehydrogenase inhibitors

▷Disulfiram, D-00542
2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, M-00274

Aldosterone inhibitors

▷3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, A-00305
Canrenone, C-00027
Dicirenone, D-00208
17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid, H-00186
Mespirenone, M-00135
Mexrenoic acid, M-00355
Oxprenoic acid, O-00144
Prorenoate, P-00524
▷Spironolactone, S-00125
Spirorenone, S-00127
Spiroxasone, S-00131

Amoebicides

[2-Amino-4-(aminosulfonyl)phenyl]arsonic acid, A-00209
Bialamicol, B-00150
7-Bromo-8-hydroxy-5-methylquinoline, B-00304
▷Carbarsone, C-00043
▷Chlorbetamide, C-00197
▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244
▷Chloroquine, C-00284
Clamoxyquin, C-00407

Clefamide, C-00415
▷Dehydroemetine, D-00050
▷5,7-Dibromo-8-hydroxyquinoline, D-00167
▷5,7-Diiodo-8-quinolinol, D-00364
Diloxanide, D-00372
Diloxanide furoate, *in* D-00372
Emetine, E-00036
▷Emetine; (−)-*form*, *in* E-00036
▷[1,2-Ethanediylbis(imino-4,1-phenylene)]bisarsonic acid, E-00147
Etofamide, E-00247
▷Glycobiarsol, G-00069
▷8-Hydroxy-7-iodo-5-quinolinesulfonic acid, H-00143
1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
Liroldine, L-00056
▷Metronidazole, M-00344
▷Niridazole, N-00156
▷4,7-Phenanthroline-5,6-dione, P-00144
Phenarsone sulfoxylate, P-00146
Pirinidazole, P-00331
Quinfamide, Q-00023
Stirimazole, S-00156
Symetine, S-00284
Teclozan, T-00048
▷Tinidazole, T-00293

Anabolic agents

Androst-5-ene-3,17-diol, A-00383
▷Androstenediol dipropionate, *in* A-00383
▷17-(Benzoyloxy)androstan-3-one, *in* H-00109
▷Bolandiol dipropionate, *in* O-00029
Bolasterone, *in* H-00123
Bolazine, *in* H-00153
Bolazine capronate, *in* H-00153
Boldenone undecylenate, *in* H-00108
Bolenol, B-00249
Bolmantalate, B-00250
4-Chloro-17-hydroxyestr-4-en-3-one, C-00242
Clostebol, C-00506
▷Clostebol acetate, *in* C-00506
Clostebol caproate, *in* C-00506
Clostebol propionate, *in* C-00506
▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, D-00035
Decylroxibolone, *in* R-00098
4,17-Dihydroxy-17-methyl-1,4-androstadien-3-one, D-00331
Drostanolone propionate, *in* H-00153
Drupanol, D-00617
2,3-Epithioandrostan-17-ol, E-00086
▷Ethyloestrenol, E-00213
▷Fluoxymesterone, F-00195
▷Formebolone, F-00245
▷Furazabol, F-00283
17-Hydroxy-1,4-androstadien-3-one, H-00108
17-Hydroxy-3-androstanone, H-00109
▷17-Hydroxy-2-methylandrostan-3-one, H-00153
17-Hydroxy-17-methylestra-4,9,11-trien-3-one, H-00161
17-Hydroxy-4-oestren-3-one; 17β-*form*, Sulfo, *in* H-00185
Hydroxystenozole, H-00212
Mebolazine, M-00037
▷Mepitiostane, M-00100
Mesabolone, M-00130
▷Mestanolone, M-00136
Methenolone, M-00178
▷Methenolone acetate, *in* M-00178
Methenolone enanthate, *in* M-00178
▷17-Methylandrost-5-ene-3,17-diol, M-00225
▷Mibolerone, M-00361
▷Nandrolone, *in* H-00185
Nandrolone caproate, *in* H-00185
Nandrolone cipionate, *in* H-00185
Nandrolone cyclohexane carboxylate, *in* H-00185
Nandrolone cyclohexylpropionate, *in* H-00185
Nandrolone cyclotate, *in* H-00185
▷Nandrolone decanoate, *in* H-00185
Nandrolone furylpropionate, *in* H-00185
Nandrolone hexyloxyphenylpropionate, *in* H-00185
Nandrolone hydrogen succinate, *in* H-00185
Nandrolone laurate, *in* H-00185
▷Nandrolone phenylpropionate, *in* H-00185
Nandrolone propionate, *in* H-00185
Nandrolone undecylate, *in* H-00185
▷Norbolethone, N-00209
▷Norethandrolone, N-00211
4-Oestrene-3,17-diol, O-00029
Oxabolone cipionate, O-00072
▷Oxandrolone, O-00086
17-[(1-Oxoheptyl)oxy]androstan-3-one, *in* H-00109
17-[(1-Oxopentyl)oxy]androstan-3-one, *in* H-00109
▷17-(1-Oxopropoxy)androstan-3-one, *in* H-00109
Oxymesterone, O-00152
▷Oxymetholone, O-00154
Propetandrol, P-00500
Quinbolone, Q-00015
Roxibolone, R-00098
Stanozolol, S-00139
Stenbolone, S-00144
Stenbolone acetate, *in* S-00144
Testosterone nicotinate, *in* H-00111
Thiomesterone, T-00205
Tibolone, T-00251
Trenbolone, T-00410

Anaesthetics, general

▷2-Bromo-2-chloro-1,1,1-trifluoroethane, B-00294
2-Bromo-1,1,1,2-tetrafluoroethane, B-00319
▷3-Bromo-1,1,2,2-tetrafluoropropane, B-00320
2-Bromo-1,1,2-trifluoro-1-methoxyethane, B-00321
Buthalital, B-00400
▷2-Chloro-1-(difluoromethoxy)-1,1,2-trifluoroethane, C-00230
▷2-Chloro-2-(difluoromethoxy)-1,1,1-trifluoroethane, C-00231
▷Chloroform, C-00241
2-(2-Chlorophenyl)-2-(methylamino)cyclohexanone, C-00266
1-Chloro-1,2,2,3-tetrafluoro-3-methoxycyclopropane, C-00287
▷Cyclopropane, C-00635
4,5-Dichloro-2,2-difluoro-1,3-dioxolane, D-00182
▷2,2-Dichloro-1,1-difluoro-1-methoxyethane, D-00183
2,2-Dichloro-1,1-difluoro-1-(methylthio)ethane, D-00184
▷1,2-Dichloro-1,1,2,2-tetrafluoroethane, D-00202
▷Diethyl ether, D-00246
Dietifen, D-00259
▷2,6-Diisopropylphenol, D-00367
▷Divinyl ether, D-00555
▷Ethyl carbamate, E-00177
▷Ethyl vinyl ether, E-00225
Etomidate, E-00257
Etoxadrol, E-00264
▷Fenimide, F-00053
Fubrogonium(1+), F-00272
1,1,1,3,3,3-Hexafluoro-2-(fluoromethoxy)propane, H-00047
3-Hydroxy-11,20-pregnanedione, H-00200
21-Hydroxy-3,20-pregnanedione, H-00201
▷Ketocainol, K-00015
▷Methitural, M-00184
Methohexitone, M-00187
▷1-Methoxypropane, M-00214
Midazolam, M-00368
Minaxolone, M-00382
▷Nitrous oxide, N-00189
▷Pentobarbitone, P-00101
▷Perimetazine, P-00122
▷1-(1-Phenylcyclohexyl)piperidine, P-00183
▷Pregn-4-ene-3,11,20-trione, P-00417
Pronarcon, P-00482
▷Propanidid, P-00489
1,1,1,2-Tetrafluoroethane, T-00113
▷Thialbarbitone, T-00172
Thiamylal, T-00180

▷Thiopental, T-00206
Tiletamine, T-00272
▷2,2,2-Tribromoethanol, T-00428
▷Trichloroethylene, T-00436
▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440
▷(2,2,2-Trifluoroethoxy)ethene, T-00464
Xenysalate, X-00010

Anaesthetics, local

1-Amino-2-propanol; (±)-*form*, *N*,*N*-Di-Et, Et ether, *in* A-00318
▷Amolanone, A-00355
Amoxecaine, A-00363
▷Amylocaine, A-00374
Anaesthaminol, *in* A-00263
Aptocaine, A-00434
▷Benactyzine, B-00034
Benapryzine, B-00037
▷Benzocaine, *in* A-00216
▷Betoxycaine, B-00145
▷Bufuralol, B-00352
Bumecaine, B-00354
▷Bupivacaine, B-00368
▷Butacaine, B-00381
▷Butamben, *in* A-00216
Butanilicaine, B-00390
Calocaine, C-00018
Carticaine, C-00103
2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene, C-00233
▷Chloroethane, C-00236
▷Chloroprocaine, C-00277
▷Cinchocaine, C-00357
Cinnamaverine, C-00370
Cirazoline, C-00395
Clibucaine, C-00423
Clodacaine, C-00446
Clormecaine, *in* A-00224
Cocaine, C-00523
▷Cocaine; (−)-*form*, *in* C-00523
▷Conessine, C-00540
1-(Cyclohexylamino)-2-propanol benzoate, *in* A-00318
▷Cyclomethycaine, C-00625
Diaminocaine, D-00122
Diamocaine, D-00140
N,*N*″-Dichlorodiazenedicarboximidamide, D-00181
2-(Diethylamino)ethyl diphenylcarbamate, D-00235
2,3-Dihydro-1-(1-piperidinylacetyl)-1*H*-indole, D-00297
Dimethisoquin, D-00392
▷Dimethocaine, D-00394
Diperodon, D-00481
Droxicainide, D-00614
Dyclonine, D-00623
▷Elucaine, E-00031
Erocainide, E-00112
Eticyclidine, *in* P-00182
▷Etidocaine, E-00234
▷β-Eucaine, *in* T-00511
▷Euprocin, E-00276
▷Farmocaine, *in* A-00216
Fenalcomine, F-00034
Fenoxazoline, F-00066
Fenoxedil, F-00067
Fexicaine, F-00097
▷Fomocaine, F-00241
Guafecainol, G-00090
▷Hydroxamethocaine, H-00104
▷2-Hydroxybenzyl alcohol, H-00116
Hydroxycaine, H-00119
3-Hydroxy-3,3-diphenylpropanoic acid; 2-(Diethylamino)ethyl ester, *in* H-00126
▷Hydroxyprocaine, H-00206
Imolamine, I-00042
Isobucaine, I-00179
▷Isobutoform, *in* A-00216
▷2-Isopropyl-5-methylcyclohexanol, I-00208
▷Ketocaine, *in* K-00015
▷Leucinocaine, L-00030
▷Lignocaine, L-00047
Lotucaine, L-00105
▷Mepivacaine, M-00101
Meprylcaine, *in* A-00289
Metabutethamine, M-00143
▷Metabutoxycaine, M-00144
▷2-Methoxy-4-(2-propenyl)phenol, M-00215
▷6-Methyl-2-heptylamine, M-00257
2-[(2-Methylpropyl)amino]ethyl 4-aminobenzoate, M-00299
Midamaline, M-00366
▷Myrtecaine, M-00478
▷Naepaine, N-00008
Naphthocaine, *in* A-00292
Octacaine, O-00005
▷Orthocaine, *in* A-00263
Orthoform-old, *in* A-00265
Oxadimedine, O-00075
▷Oxethazaine, O-00106
Oxybuprocaine, O-00146
Parethoxycaine, P-00034
▷Paridocaine, P-00038
▷Phenacaine, P-00135
▷1-(1-Phenylcyclohexyl)pyrrolidine, P-00184
N-[1-Phenyl-3-(1-piperidinyl)propyl]benzamide, P-00198
Pinaverium(1+), P-00267
Pincainide, P-00269
Pinolcaine, P-00271
▷3-(1-Piperidinyl)-1-(4-propoxyphenyl)-1-propanone, P-00289
Piperocaine, P-00292
Polidocanol, P-00380
▷Pramoxine, P-00398
Pribecaine, P-00427
Prilocaine, P-00432
▷Procaine, P-00447
Propanocaine, P-00490
▷Propoxycaine, P-00511
Proxymetacaine, P-00550
Pyrrocaine, P-00595
Quatacaine, Q-00003
Rodocaine, R-00072
Ropivacaine, R-00089
▷Tetracaine, T-00104
Tolycaine, T-00373
Trapencaine, T-00400
Tridiurecaine, T-00455
▷Trimecaine, T-00492
Vadocaine, V-00001
Zolamine, Z-00027

Anaesthetics, spinal

▷Ambucaine, A-00172
▷Pethidine, P-00131
Piridocaine, P-00326

Analgesics

Aceclofenac, *in* D-00210
Acefurtiamine, A-00010
▷Acemetacin, A-00013
▷Acepromazine, A-00015
▷3-Acetamidophenol, *in* A-00297
4-Acetamidophenyl acetate, *in* A-00298
Acetaminosalol, *in* H-00112
Acetiamine, A-00020
▷2-Acetoxybenzoic acid, A-00026
4-Acetoxybutanoic acid, *in* H-00118
▷*N*-Acetyl-2-hydroxybenzamide, A-00033
3-Acetyl-7-methoxy-2,4-dimethylquinoline, A-00037
Acetylsalicylsalicylic acid, *in* S-00015
Acetylsalol, *in* A-00026

▷Alclofenac, A-00103
Alimadol, A-00119
Allylcinchophen, *in* P-00206
Allylprodine, A-00133
Alminoprofen, A-00138
Aloxiprin, A-00144
Ambamustine, A-00165
4-(4′-Aminobenzamido)antipyrine, A-00211
▷(2-Amino-3-benzoylphenyl)acetic acid, A-00218
[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid, A-00219
2-(Aminomethylene)-1-indanone, A-00282
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287
4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, A-00288
3-(Aminomethyl)pyridine, A-00290
4-Amino-5-phenyl-1-pentene, A-00307
Aminoprofen, A-00316
▷Aminopyrine, A-00327
Anidoxime, A-00388
Anirolac, A-00393
Anpirtoline, A-00398
N-Antipyrinylsalicylamide, A-00416
▷Antrafenine, A-00419
▷Aprofene, A-00431
Arcalion, *in* T-00174
▷Azaprocin, A-00506
▷Azapropazone, A-00507
▷Benactyzine, B-00034
▷Benfotiamine, B-00052
▷Benorylate, B-00057
▷Benoxaprofen, B-00059
Bentemazole, *in* I-00033
Bentiamine, B-00067
▷Benzoctamine, B-00090
▷2*H*-1,3-Benzoxazine-2,4(3*H*)-dione, B-00097
1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
Benzpiperylone, B-00100
▷Benzydamine, B-00105
▷1-Benzyl-2(1*H*)-cycloheptimidazolone, B-00110
▷2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine, B-00119
Beston, *in* T-00174
4-Biphenylacetic acid, B-00176
▷2-(4-Biphenylyl)butanoic acid, B-00179
▷Bisbentiamine, B-00194
Bremazocine, B-00268
Bromadoline, B-00282
Bromamid, B-00283
▷Bucetin, B-00335
▷Bucloxic acid, B-00341
▷Bucolome, *in* C-00622
▷Bufexamac, B-00350
▷Bufezolac, *in* D-00515
Bumadizone, B-00353
Butanixin, B-00391
▷Butibufen, B-00402
Butinazocine, B-00406
Butixirate, *in* B-00179
4′-*tert*-Butoxyacetanilide, B-00419
▷α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile, B-00431
▷Camphor, C-00023
Carbiphene, C-00053
Carbonic acid 4-[[(4-amino-2-methyl-5-pyrimidinyl)methyl]-formylamino]-3-[(ethoxycarbonyl)thio]-3-pentenyl ethyl ester, *in* T-00174
▷Carisoprodol, C-00078
Carperidine, C-00092
▷Carprofen, C-00099
5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224
▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225
4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269
▷Chlorthenoxazin, C-00303
▷Choline salicylate, *in* H-00112
▷Choline salicylate, *in* H-00112
Ciheptolane, C-00340
Cinaproxen, C-00356
Cinnofuradione, C-00373
Ciprefadol, C-00387
Ciproquazone, C-00392
Ciramadol, C-00394
Clidafidine, C-00424
Cliprofen, C-00431
▷Clofexamide, C-00455
▷Clometacin, C-00468
Clonixeril, *in* C-00479
▷Clonixin, C-00479
Clopirac, C-00487
Cloracetadol, C-00492
Cloximate, C-00519
Cogazocine, C-00533
Conorfone, C-00542
Cropropamide, C-00566
Crotethamide, C-00569
1-Cyclohexyl-2-methyl-1-propanol, C-00618
▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
▷Cycotiamine, C-00640
Delfantrine, D-00053
Deprolorphin, D-00085
Detanosal, D-00105
Dexoxadrol, *in* D-00472
Dezocine, D-00116
▷2,4-Diamino-4′-ethoxyazobenzene, D-00131
▷2,6-Diamino-3-phenylazopyridine, D-00133
▷Diampromide, D-00142
Dibupyrone, D-00170
Dibusadol, *in* H-00112
▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199
2-[(2,3-Dichlorophenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
▷Diclofenac, D-00210
▷2-[2-(Diethylamino)ethoxy]benzanilide, D-00232
N-[2-(Diethylamino)ethyl]-2-hydroxybenzamide, D-00237
▷Diethylthiambutene, D-00258
▷Difenamizole, D-00262
▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272
▷Dihydrocodeine, *in* D-00294
▷1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00284
▷Dihydromorphine, D-00294
▷2,5-Dihydroxybenzoic acid, D-00316
▷Dimefadane, *in* P-00191
Dimenoxadole, D-00380
3-[(Dimethylamino)(1,3-dioxan-5-yl)methyl]pyridine, D-00406
2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol, D-00416
4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
2-[(2,6-Dimethylphenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
▷Dimethyl sulfoxide, D-00454
▷4,5-Diphenyl-2-oxazolepropanoic acid, D-00500
Diproqualone, D-00526
Diproxadol, D-00528
Dipyrone, D-00532
Ditazole, D-00545
Dizatrifone, D-00559
Duometacin, D-00620
▷Emorfazone, E-00040
β-Endorphin, E-00049
▷Epirizole, E-00083
▷Ergotamine, E-00106
▷Etersalate, E-00144
▷Ethoheptazine, E-00157
▷2-Ethoxybenzamide, *in* H-00112
2-(2-Ethoxyethoxy)benzamide, E-00164
▷*N*-(4-Ethoxyphenyl)acetamide, *in* E-00161
N-(4-Ethoxyphenyl)-2-hydroxyacetamide, *in* E-00161
N-(4-Ethoxyphenyl)-2-hydroxypropanamide, *in* H-00207
▷Ethylmorphine, *in* M-00449
Etodolac, E-00245
▷Etofenamate, E-00248

Famprofazone, F-00016
Feclobuzone, F-00026
▷Fenclozic acid, F-00043
▷Fendosal, F-00045
▷Fentiazac, F-00079
Filenadol, F-00105
▷Floctafenine, F-00119
▷Florifenine, F-00125
▷Flufenamic acid, F-00148
Flufenisal, *in* F-00185
▷Flumexadol, F-00160
Flunixin, F-00169
▷Flunoxaprofen, F-00171
2-(2-Fluorenyl)propanoic acid, F-00179
Flupirtine, F-00204
Fluprofen, F-00209
Fluproquazone, F-00211
Fluradoline, F-00214
▷Flurbiprofen, F-00218
▷Fopirtoline, F-00242
Frabuprofen, F-00263
Furcloprofen, F-00288
▷Fursultiamine, F-00299
▷Galantamine, *in* G-00002
Gemazocine, G-00014
Giparmen, G-00024
▷Glafenine, G-00027
▷Glaucine; (*S*)-*form*, *in* G-00028
Glucametacin, G-00052
Glycol salicylate, *in* H-00112
Guacetisal, G-00089
1,9-Heptadecadiene-4,6-diyne-3,8-diol, H-00028
Homprenophine, H-00087
▷4-Hydroxyacetanilide, *in* A-00298
▷2-Hydroxybenzamide, *in* H-00112
4-(2-Hydroxybenzoyl)morpholine, H-00115
▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
N-(4-Hydroxy-3-methoxybenzyl)-9-octadecenamide, H-00149
2-Hydroxy-3-methylbenzamide, *in* H-00155
▷2-Hydroxy-3-methylbenzoic acid, H-00155
Ibazocine, I-00003
▷Ibufenac, I-00007
Ibuproxam, I-00009
▷Indobufen, I-00060
▷Indomethacin, I-00065
Indopine, I-00067
▷Indoprofen, I-00068
Isamfazone, I-00174
Isomethadol, I-00192
▷Isonixin, I-00196
5-Isopropyl-3,8-dimethyl-1-azulenesulfonic acid, I-00205
2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
▷2-Isopropyl-5-methylcyclohexanol, I-00208
▷Isoxepac, I-00216
Isoxicam, I-00217
Kelatorphan, K-00007
Ketazocine, K-00011
▷Ketoprofen, K-00017
Ketorfanol, K-00018
Ketorolac, K-00019
Lefetamine, *in* D-00492
Leflunomide, L-00019
Letimide, L-00027
Letosteine, L-00028
Levomethorphan, *in* H-00166
Lexofenac, L-00040
Lobuprofen, L-00067
Lonaprofen, L-00084
Lonazolac, L-00085
Lorcinadol, L-00095
Lornoxicam, L-00098
Lorpiprazole, L-00099
Loxoprofen, L-00108
Lysine clonixinate, *in* C-00479
▷Meclofenamic acid, M-00045
▷Mefenamic acid, M-00062
Menabitan, M-00086
Menglytate, M-00090
Mepiprazole, M-00099
▷Meprothixol, M-00106
Meptazinol, M-00107
▷2-Mercaptobenzoic acid, M-00114
▷Meseclazone, M-00132
Metaclazepam, M-00145
Metazamide, M-00153
▷Metergoline, M-00159
Metheptazine, *in* H-00050
Methethoheptazine, *in* H-00048
Methotrimeprazine, M-00193
▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane, M-00203
Methoxymethyl salicylate, *in* H-00112
2-(6-Methoxy-2-naphthyl)-1-propanol, M-00207
▷2-Methoxy-4-(2-propenyl)phenol, M-00215
▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235
N-Methyldibenzylamine, M-00244
4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, M-00270
Methylniphenazine, M-00273
1-(4-Methylphenyl)-3-azabicyclo[3.1.0]hexane, M-00285
α-Methyl-2-phenyl-6-benzothiazoleacetic acid, M-00287
5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293
1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone, M-00314
Metkefamide, M-00325
▷Metofoline, M-00328
Metrazifone, M-00341
▷Mexolamine, M-00353
Mimbane, M-00380
▷Miroprofen, M-00394
Moramide, M-00437
▷Morazone, M-00439
3-(4-Morpholinyl)-1,2,3-benzotriazin-4(3*H*)-one, M-00451
Moxadolen, M-00458
Moxazocine, M-00462
Myfadol, M-00476
Nabitan, N-00003
Nafoxadol, N-00020
Nalmefene, N-00030
Namoxyrate, *in* B-00179
Nantradol, N-00038
Naproxen, N-00048
▷Nefopam, N-00063
Neocinchophen, *in* M-00295
Nerbacadol, N-00074
Nexeridine, *in* D-00415
Nicafenine, N-00084
▷Nifenazone, N-00112
▷Niflumic acid, N-00113
Niometacin, N-00152
▷Niprofazone, N-00155
▷Nitrous oxide, N-00189
Octazamide, *in* H-00049
▷Octotiamine, O-00023
Olpimedone, O-00040
Oxapadol, O-00088
▷Oxepinac, O-00103
Oxetorone, O-00107
▷Oxyphenbutazone, O-00158
Paracetamol nicotinate, *in* A-00298
Paracetamol thenoate, *in* A-00298
Parapropamol, P-00029
Pargeverine, P-00035
▷Parsalmide, P-00041
▷Pentazocine, P-00093
Perisoxal, P-00124
Phenomidon, *in* E-00218
2-(3-Phenoxyphenyl)propanoic acid, P-00172
▷Phenylbutazone, P-00180
▷1-(1-Phenylcyclohexyl)piperidine, P-00183

▷2-Phenyl-4-quinolinecarboxylic acid, P-00206
▷1-Phenylsemicarbazide, P-00207
▷Phenyramidol, P-00211
▷Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, P-00222
▷Picenadol, P-00232
Pifenate, P-00246
▷Pifoxime, P-00249
Pinadoline, P-00265
Pipebuzone, P-00276
▷Piperidolate, P-00290
Piperylone, P-00296
Pipradimadol, P-00305
Pipramadol, P-00306
▷Piroxicam, P-00351
▷Pranoprofen, P-00400
Pranosal, P-00401
Pravadoline, P-00402
Prefenamate, P-00415
▷Prodilidine, P-00459
Prodine, P-00460
▷Profadol, P-00462
Proglumetacin, P-00467
Proheptazine, P-00469
Propacetamol, P-00485
Properidine, P-00498
Propetamide, P-00499
▷Propiram, P-00505
Propiverine, P-00507
2-Propoxybenzamide, P-00510
▷Propoxyphene, P-00512
▷Propyphenazone, P-00519
▷Proquazone, P-00522
Protizinic acid, P-00539
Proxazole, P-00545
Proxibutene, P-00547
1*H*-Pyrazole-1-carboximidamide, P-00562
Pyrroliphene, P-00599
Quadazocine, Q-00001
Quillifoline, Q-00007
▷Ramifenazone, R-00007
Rimazolium(1+), R-00055
▷Ruvazone, R-00107
▷Salicyloylsalicylic acid, S-00015
Saloquinine, *in* Q-00028
Salprotoside, S-00020
▷Simetride, S-00073
Spiradoline, S-00116
▷Sulforidazine, S-00222
▷Sulindac, S-00225
Sulprosal, S-00260
Sumacetamol, S-00267
▷Suprofen, S-00274
Syndyphalin, S-00285
Talmetacin, T-00011
▷Talniflumate, T-00013
Talosalate, T-00015
Tazadolene, T-00038
Tefludazine, T-00053
Tenoxicam, T-00073
4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol, T-00121
Tetriprofen, T-00155
Tetrydamine, *in* T-00119
Thiamine disulfide, T-00176
▷Thiamine propyl disulfide, T-00177
2-[4-(2-Thiazolyloxy)phenyl]propanoic acid, T-00186
Thurfyl salicylate, *in* H-00112
Tiaramide, T-00245
▷Tifemoxone, T-00263
Tifluadom, T-00265
Tifurac, T-00267
Tilidate, T-00273
▷Tinoridine, T-00296
Tiopinac, T-00302
Tiropramide, T-00323
Tofetridine, T-00340
▷Tolfenamic acid, T-00349
▷Tolmetin, T-00353
Tolpadol, T-00362
Tolpronine, T-00366
Tomoxiprole, T-00378
Tonazocine, T-00379
1,2,4-Triazino[5,6-*c*]quinoline, T-00424
Tribuzone, T-00430
2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298
▷Triflusal, *in* H-00215
4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505
▷3,5,5-Trimethyl-2,4-oxazolidinedione, T-00510
▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528
▷Tris(2-hydroxyethyl)amine, T-00536
Tyrosylprolylphenylalanylprolinamide, T-00582
Veradoline, V-00017
Verilopam, V-00021
▷Viminol, V-00030
Vintiamol, V-00044
Volazocine, V-00066
Ximoprofen, X-00015
Xorphanol, X-00019
▷Xylazine, X-00021
Zenazocine, Z-00008
Zomepirac, Z-00035
Zomepirac glycolate, *in* Z-00035

Androgenic agents

Androgenol, *in* H-00154
Bolasterone, *in* H-00123
Cloxotestosterone acetate, *in* H-00111
Dehydroepiandrosterone enanthate, *in* H-00110
▷Dehydroisoandrosterone, *in* H-00110
17-[(1,3-Dioxododecyl)oxy]androst-4-en-3-one, *in* H-00111
Drostanolone propionate, *in* H-00153
Drupanol, D-00617
17-Hydroxy-3-androstanone, H-00109
17-Hydroxy-4-androsten-3-one, H-00111
▷17β-Hydroxy-17α-methyl-4-androsten-3-one, H-00154
Hydroxystenozole, H-00212
Mesabolone, M-00130
▷Mestanolone, M-00136
Mesterolone, M-00137
▷Methandienone, M-00167
Methenolone, M-00178
▷Methenolone acetate, *in* M-00178
Methenolone enanthate, *in* M-00178
▷Mibolerone, M-00361
▷Nandrolone decanoate, *in* H-00185
▷Nandrolone phenylpropionate, *in* H-00185
Nisterime, N-00161
▷Nisterime acetate, *in* N-00161
▷Norethandrolone, N-00211
Normethandrone, N-00221
▷Norvinisterone, N-00225
Oxabolone cipionate, O-00072
▷Oxandrolone, O-00086
▷17-(1-Oxopropoxy)androst-4-en-3-one, *in* H-00111
Oxymesterone, O-00152
▷Oxymetholone, O-00154
Penmesterol, P-00072
Propetandrol, P-00500
Stanozolol, S-00139
3-(Sulfooxy)androst-5-en-17-one, *in* H-00110
Testosterone cyclohexylpropionate, *in* H-00111
▷Testosterone cypionate, *in* H-00111
Testosterone decanoate, *in* H-00111
▷Testosterone enanthate, *in* H-00111
Testosterone enanthate benziloylhydrazone, *in* H-00111
Testosterone furoate, *in* H-00111
▷Testosterone hexahydrobenzoate, *in* H-00111
Testosterone hexahydrobenzyl carbonate, *in* H-00111
Testosterone hexyloxyphenylpropionate, *in* H-00111

Testosterone isobutyrate, *in* H-00111
Testosterone isocaproate, *in* H-00111
Testosterone phenylacetate, *in* H-00111
▷Testosterone phenylpropionate, *in* H-00111
Testosterone phosphate, *in* H-00111
Testosterone undecanoate, *in* H-00111
Trenbolone, T-00410
Trestolone acetate, *in* N-00221
17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, *in* H-00111
17β-[(Trimethylsilyl)oxy]androst-4-en-3-one, *in* H-00111

Angiotensin converting enzyme inhibitors

Alacepril, A-00090
Benazepril, *in* B-00038
Benazeprilat, B-00038
Cilazaprilat, C-00343
4-Cyclohexyl-1-[[[1-hydroxy-2-methylpropoxy](4-phenylbutyl)-phosphinyl]acetyl]-L-proline, C-00611
Delapril, D-00051
Enalapril, *in* E-00043
Enalaprilat, E-00043
9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-*a*][1,2]diazepine-1-carboxylic acid, *in* C-00343
1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *in* R-00008
Fosinopril, *in* C-00611
Imidapril, I-00029
Indolapril, I-00063
Lisinopril, L-00057
Moexipril, M-00419
Pentopril, P-00104
Perindopril, *in* P-00123
Perindoprilat, P-00123
Pivopril, *in* C-00633
Quinapril, *in* Q-00012
Quinaprilat, Q-00012
Ramiprilat, R-00008
Rentiapril, R-00022
Spirapril, *in* S-00118
Spiraprilat, S-00118
Teprotide, T-00079
Tipentosin, T-00310
Trandolapril, *in* T-00396
Trandolaprilat, T-00396
Zofenopril, Z-00025

Anorectic agents

Acridorex, A-00048
Amfepentorex, A-00182
▷2-Amino-4,5-dihydro-5-phenyloxazole, A-00246
2-Amino-1-phenyl-1-propanol, A-00308
2-(1-Aminopropyl)-2-indanol, A-00320
Amphecloral, A-00366
Anisacril, A-00394
▷Benfluorex, B-00050
N-Benzyl-*N*,α-dimethylphenethylamine, B-00115
5-(4-Chlorophenyl)-4,5-dihydro-2-oxazolamine, C-00263
1-(2-Chlorophenyl)-2-methyl-2-propylamine, C-00271
▷*N*-(3-Chloropropyl)-α-methylphenethylamine, C-00280
▷Chlorphentermine, C-00295
▷Clobenzorex, C-00435
Cloforex, C-00462
▷2-(Diethylamino)-1-phenyl-1-propanone, D-00240
▷Dimepropion, D-00382
N,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449
▷2-(Diphenylmethyl)-1-piperidineethanol, D-00499
▷2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, E-00174
▷Etilamfetamine, *in* P-00202
Etolorex, E-00254
▷Fenfluramine, F-00050
▷Fenisorex, F-00056
Fenproporex, F-00073
Flucetorex, F-00135
▷Fludorex, F-00145
Fluminorex, F-00162
Flutiorex, F-00228
Furfenorex, F-00291
▷Mazindol, M-00029
N-(α-Methylphenethyl)formamide, *in* P-00202
▷2-Methyl-3-phenyl-2-butylamine, M-00288
▷3-Methyl-2-phenylmorpholine, M-00290
▷α-Methyl-*m*-(trifluoromethyl)phenethylamine, M-00312
▷α-Methyl-*p*-(trifluoromethyl)phenethylamine, M-00313
▷Morforex, M-00441
Ortetamine, O-00065
Oxifentorex, O-00112
▷Phenbutrazate, P-00149
3-Phenyl-2-methyl-2-propylamine, P-00193
α-Phenyl-2-piperidinemethanol, P-00197
▷1-Phenyl-2-propylamine, P-00202
Picilorex, P-00233
Posatirelin, P-00389
Setazindol, S-00057

Anthelmintics

3-Acetyl-5-chloro-2-hydroxy-*N*,*N*-dimethyl-*N*-(2-phenoxyethyl)-benzenemethanaminium(1+), A-00028
N-[2-(2-Acetyl-4-chlorophenoxy)ethyl]-*N*,*N*-dimethylbenzenemethanaminium (1+), A-00029
Acrisorcin, *in* H-00071
Agrimonolide, A-00084
Agrimophol, A-00085
▷Albendazole, A-00096
Albendazole oxide, *in* A-00096
▷Amidantel, A-00190
3-Amino-3-pyrrolidinecarboxylic acid, A-00329
Antazonite, A-00401
Antibiotic LL-F28249α, A-00408
Antienite, A-00413
▷Arecoline, *in* T-00126
▷Arsenamide, A-00450
▷Ascaridole, A-00455
Avermectin A_{1a}, A-00479
Avermectin B_{1a}, A-00483
Avermectin A_{2a}, A-00481
Avermectin B_{2a}, A-00485
Avermectin A_{1b}, A-00480
Avermectin B_{1b}, A-00484
Avermectin A_{2b}, A-00482
Avermectin B_{2b}, A-00486
Bephenium(1+), B-00132
Bidimazium(1+), B-00159
Bisbendazole, B-00193
▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204
1,4-Bis[2-(diethylamino)ethoxy]anthraquinone, B-00205
2′,4′-[Bis(2-diethylamino)ethoxy]-2-phenylacetophenone, B-00206
▷*N*-[4-[Bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+), B-00209
▷Bithionoloxide, *in* B-00204
Bromofenofos, *in* T-00103
▷4-Bromo-2-isopropyl-5-methylphenol, B-00306
N-(4-Bromophenyl)-2,6-dihydroxybenzamide, *in* D-00317
Bromoxanide, B-00323
▷Brotianide, B-00328
Bunamidine, B-00359
Butamisole, B-00387
▷Calcium carbimide, *in* C-00579
▷Cambendazole, C-00020
Carbantel, C-00042
Centperazine, C-00167

N-(2-Chloro-4-isothiocyanatophenyl)-2,4-dihydroxybenzamide, C-00253
Ciclobendazole, C-00328
▷Clioxanide, C-00430
Clorsulon, C-00503
Closantel, C-00504
▷Coumaphos, C-00555
▷Crufomate, C-00572
▷Cyanoacetohydrazide, C-00580
Cyromazine, C-00653
▷Desaspidin, D-00091
▷Destomycin *A*, D-00103
▷Destomycin *C*, D-00103
Diamphenethide, D-00141
3,5-Dibromo-2-hydroxy-*N*-phenylbenzamide, *in* D-00165
▷Dichlorophen, D-00198
▷Dichlorvos, D-00207
N,*N*-Diethyl-4-methyl-1-piperazinecarboxamide, D-00248
5,6-Dihydro-6-phenylimidazo[2,1-*b*]thiazole, D-00296
▷2,5-Dihydroxy-3-undecyl-1,4-benzoquinone, D-00356
▷2,6-Diiodo-4-nitrophenol, D-00360
▷1,4-Diisothiocyanatobenzene, D-00369
▷*N*,*N*-Dimethyl-1-octadecanamine, *in* O-00012
Diphenan, *in* B-00127
▷Dithiazanine(1+), D-00548
Diuredosan, D-00554
Dribendazole, D-00602
Epsiprantel, E-00095
▷[1,2-Ethanediylbis(imino-4,1-phenylene)]bisarsonic acid, E-00147
3-Ethyl-2-[3-(3-ethyl-2-benzothiazolinylidene)propenyl]-benzothiazolium(1+), E-00187
Etibendazole, E-00232
▷Famphur, F-00015
▷Febantel, F-00021
▷Fenbendazole, F-00037
Feniodium(1+), F-00054
▷Flubendazole, F-00133
Flurantel, F-00216
▷Fospirate, F-00258
Furmethoxadone, F-00293
Furodazole, F-00294
▷Gamma benzene hexachloride, *in* H-00038
▷Haloxon, H-00021
▷2,2′,3,3′,5,5′-Hexachloro-6,6′-dihydroxydiphenylmethane, H-00039
▷Hexachloroethane, H-00040
▷4-Hexyl-1,3-benzenediol, H-00071
▷Hikizimycin, H-00075
▷4-Hydroxy-3-iodo-5-nitrobenzonitrile, H-00142
▷Hygromycin *A*, H-00223
Imcarbofos, I-00027
▷Iodoalphionic acid, I-00100
▷Kainic acid, K-00001
▷Lobendazole, L-00065
Luxabendazole, L-00119
▷Mebendazole, M-00031
Mebiquine, M-00036
▷Melarsonyl, M-00076
▷2-(2-Methoxyethyl)pyridine, M-00199
▷Morantel, M-00438
▷Naphthalophos, N-00042
Netobimin, N-00079
▷Niclofolan, N-00092
▷Niclosamide, N-00093
Nitazoxanide, N-00162
Nitramisole, N-00166
Nitroclofene, N-00174
Nitrodan, N-00176
▷4-Nitro-4′-isothiocyanatodiphenylamine, N-00180
Nitroscanate, N-00186
▷Nocodazole, N-00196
▷Ontianil, O-00050
Oxantel, O-00087
▷Oxfendazole, O-00108
▷Oxibendazole, O-00109
▷Oxophenarsine, O-00135
▷Oxyclozanide, O-00149
▷Papain, P-00018
▷Parbendazole, P-00032
Pexantel, P-00133
Phenacizol, P-00136
▷Phenothiazine, P-00167
▷Phoxim, P-00221
Phthalofyne, P-00224
Piperamide, P-00284
▷Piperazine, P-00285
▷Praziquantel, P-00406
Pretamazium(1+), P-00424
Pyrantel, P-00558
▷Quinacrine, Q-00010
▷Rafoxanide, R-00003
Salantel, S-00006
Spirotriazine, S-00130
Stilbazium(1+), S-00152
1,1′-Sulfonylbis[4-isothiocyanatobenzene], S-00221
▷Tetrachloroethylene, T-00106
▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, T-00126
▷Tetramisole, T-00151
Thenium(1+), T-00164
▷Thiabendazole, T-00171
▷2,2′-Thiobis(4-chlorophenol), T-00194
▷Thiofuradene, T-00200
▷Thiophanate, T-00207
▷Tibenzate, *in* T-00193
Ticarbodine, T-00254
Tioxidazole, T-00309
▷Trichlorphon, T-00443
Triclabendazole, T-00446
Uredofos, U-00013
Viprynium(1+), V-00052
Zilantel, Z-00014

Antiallergic agents

Alclometasone, A-00104
Alclometasone dipropionate, *in* A-00104
▷Ambicromil, A-00169
Amebucort, A-00178
Amoxanox, A-00361
▷Astemizole, A-00466
Barmastine, B-00015
Bufrolin, B-00351
Cetirizine, C-00184
4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, C-00273
Clocortolone, C-00444
Clocortolone acetate, *in* C-00444
Clocortolone caproate, *in* C-00444
Clocortolone pivalate, *in* C-00444
Cloprednol, C-00489
Cloxacepride, C-00514
▷Cortisol, C-00548
Cromitrile, C-00564
Cromoglycic acid, C-00565
Cyclomethasone, C-00624
Dametralast, D-00008
Dazoquinast, D-00028
Descinolone, D-00092
▷Descinolone acetonide, *in* D-00092
Dexamethasone acefurate, *in* D-00111
Dexamethasone palmitate, *in* D-00111
Dichlorisone, D-00177
Dichlorisone acetate, *in* D-00177
Diflorasone, D-00267
Diflorasone diacetate, *in* D-00267
Diflucortolone, D-00270
Diflucortolone pivalate, *in* D-00270
▷Diflucortolone valerate, JAN, *in* D-00270

Difluprednate, D-00273
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, *in* M-00297
5,6-Dimethyl-2-nitro-1,3-indanedione, D-00436
5,5-Dimethyl-11-oxo-5*H*,11*H*-[2]benzopyrano[4,3-*g*][1]-benzopyran-9-carboxylic acid, D-00440
▷Diphenhydramine, D-00484
Doxybetasol, D-00597
Drocinonide, D-00604
Ebastine, E-00001
Eclazolast, E-00008
Enoxamast, E-00061
1-(2-Ethoxyethyl)-2-(4-methyl-1-homopiperazinyl)-benzimidazole, E-00166
Fenpiprane, F-00071
Fenprinast, F-00072
▷Flunisolide, F-00167
Flupamesone, F-00196
Histapyrrodine, H-00078
Hydrocortamate, *in* C-00548
Hydrocortisene 21-xanthogenic acid, *in* C-00548
Hydrocortisone aceponate, *in* C-00548
▷Hydrocortisone acetate, *in* C-00548
▷Hydrocortisone butyrate, *in* C-00548
▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548
Hydrocortisone cypionate, *in* C-00548
Hydrocortisone hemisuccinate, *in* C-00548
▷Hydrocortisone phosphate, *in* C-00548
Hydrocortisone tebutate, *in* C-00548
Hydrocortisone valerate, *in* C-00548
3-Hydroxy-5-pregnen-20-one, H-00205
Ibudilast, I-00006
▷7-Isopropyl-1,4-dimethylazulene, I-00204
Isospaglumic acid, I-00211
▷Isothipendyl, I-00214
Ketotifen, K-00020
Libecillide, L-00041
Locicortone, L-00068
Lodoxamide, L-00071
Lodoxamide ethyl, *in* L-00071
Lodoxamide trometamine, *in* L-00071
▷Mequitazine, M-00109
Mequitazium(1+), M-00110
▷Methdilazine, M-00177
2-Methoxy-11-oxo-11*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, M-00209
1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid, M-00268
Methylprednisolone aceponate, *in* M-00297
7-(Methylsulfinyl)-9-oxo-9*H*-xanthene-2-carboxylic acid, M-00305
▷Metiamide, M-00316
Metiprenaline, M-00323
Minocromil, M-00386
Mometasone furoate, *in* M-00426
Nedocromil, N-00060
Nicocortonide, N-00096
Noberastine, N-00194
Oxatomide, O-00094
▷Oxomemazine, O-00132
10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, O-00138
Pirolate, P-00347
Pirquinozol, P-00356
Prebediolone acetate, *in* H-00205
Prednisolamate, *in* P-00412
▷Prednisolone, P-00412
▷Prednisolone acetate, *in* P-00412
Prednisolone *tert*-butylacetate, *in* P-00412
Prednisolone hydrogen tetrahydrophthalate, *in* P-00412
Prednisolone palmitate, *in* P-00412
Prednisolone piperidinoacetate, *in* P-00412
Prednisolone pivalate, *in* P-00412
Prednisolone stearoylglycolate, *in* P-00412
Prednisolone succinate, *in* P-00412
Prednisolone *m*-sulfobenzoate, *in* P-00412
▷Prednisolone valerate, *in* P-00412
▷Prednisolone valeroacetate, *in* P-00412
Pregnenolone acetate, *in* H-00205
Pregnenolone succinate, *in* H-00205
Probicromil calcium, *in* A-00169
Procromil, P-00454
2-(2-Propoxyphenyl)-5-(1*H*-tetrazol-5-yl)-4(1*H*)-pyrimidinone, P-00513
Proxicromil, P-00548
Repirinast, R-00024
Rimexolone, R-00057
Sudexanox, S-00175
Tazanolast, T-00039
Texacromil, T-00159
Thiazinamium(1+), T-00182
Tiacrilast, T-00235
Tioxamast, T-00307
Tipredane, T-00314
Tiprinast, T-00316
Tolpropamine, T-00367
▷Tranilast, T-00397
Traxanox, T-00402
Tritoqualine, T-00541
Ulobetasol, U-00006
Ulobetasol propionate, *in* U-00006
Zaprinast, Z-00006

Antianaemic agents

2-Ferrocenoylbenzoic acid, F-00090
Methylcobalamin, M-00241
▷Vitamin B_{12}, V-00059

Antiandrogens

▷Benorterone, B-00056
6-Bromo-17β-hydroxy-17α-methyl-4-oxa-5-androstan-3-one, B-00303
▷Cyproterone, C-00651
▷Cyproterone acetate, *in* C-00651
Delmadinone acetate, *in* D-00054
▷Flutamide, F-00224
11-Hydroxy-17,17-dimethyl-18-norandrosta-4,13-dien-3-one, H-00124
Inocoterone, I-00072
1-Methylandrosta-4,16-dien-3-one, M-00224
Metogest, M-00329
Nilutamide, N-00143
Oxendolone, O-00102
Pentomone, P-00103
Rosterolone, R-00094
Topterone, T-00384

Antianginal agents

Acebutolol, A-00006
▷Alprenolol, A-00151
2-Aminoethanol nitrate, A-00254
Amlodipine, A-00351
Amoproxan, A-00357
Azaftozine, A-00497
Bepridil, B-00134
Betaxolol, B-00142
▷Bunitrolol, B-00364
▷Bupranolol, B-00369
Butoprozine, B-00415
Capobenic acid, C-00030
Cinepaxadil, C-00361
Cinepazet, *in* C-00362
Cinepazic acid, C-00362
▷Creatinolfosfate, C-00559

Desocriptine, D-00098
Dilazep, D-00370
Diltiazem, D-00373
Diproteverine, D-00527
Dopropidil, D-00582
▷Efloxate, E-00019
Ericolol, E-00107
Falipamil, F-00011
Fronedipil, F-00265
▷Glycerol trinitrate, G-00066
Imolamine, I-00042
▷Isosorbide dinitrate, *in* D-00144
Isosorbide mononitrate, *in* D-00144
▷Khellin, K-00022
Lidoflazine, L-00045
▷3-Methyl-1-butyl nitrite, M-00237
▷Molsidomine, M-00425
▷Nadolol, N-00006
▷Nifedipine, N-00110
▷Nifenalol, N-00111
▷Niludipine, N-00142
▷Oxprenolol, O-00145
Penbutolol, P-00059
▷Pentaerythritol tetranitrate, P-00078
Perhexiline, P-00120
▷Pindolol, P-00270
Piridoxilate, *in* P-00582
▷Prenylamine, P-00423
Primidolol, P-00435
Ranolazine, R-00012
Razinodil, R-00014
▷Riodipine, R-00060
Solpecainol, S-00094
Sotalol, S-00106
▷Toliprolol, T-00352
Tosifen, T-00389
Trimetazidine, T-00497

Antiarrhythmic agents

▷Acecainide, *in* P-00446
▷Ajmaline, A-00088
Alinidine, A-00120
3-Amino-2-hydroxyandrostan-17-one, A-00261
2-(1-Aminopropyl)-2-indanol, A-00320
▷Amiodarone, A-00342
Amoproxan, A-00357
Aprindine, A-00429
Arglecin, A-00442
Asocainol, A-00457
Barucainide, B-00016
Benderizine, B-00045
Benrixate, B-00062
Bernzamide, B-00137
Bevantolol, B-00146
Bisaramil, B-00192
Bonnecor, B-00252
Bretylium(1+), B-00271
Bucainide, B-00334
Bucromarone, B-00342
Bufetolol, B-00349
▷Bufuralol, B-00352
Bumecaine, B-00354
▷Bunaftine, B-00358
▷Bunitrolol, B-00364
Butobendine, B-00409
Butocrolol, B-00411
Capobenic acid, C-00030
Carcainium(1+), C-00072
Carocainide, C-00085
Carteolol, C-00102
Cibenzoline, C-00322
Cicarperone, C-00324
Ciprafamide, C-00385
Clofilium(1+), C-00457
Cyheptropine, *in* D-00282
▷Dauricine, D-00020
Dazolicine, D-00026
Detajmium (1+), D-00104
3,4-Diethoxy-β-methoxy-*N*-(1-methyl-2-pyrrolidinylidene)-benzeneethanamine, D-00229
1-(2,6-Diethylphenyl)-3-(methylamidino)urea, D-00252
Dioxadilol, D-00471
▷5,5-Diphenyl-2,4-imidazolidinedione, D-00493
N-(3,3-Diphenylpropyl)-*N'*-(1-methyl-2-phenylethyl)-1,3-propanediamine, D-00513
Diprafenone, D-00519
Disobutamide, D-00535
▷Disopyramide, D-00537
Dizactamide, D-00558
Drobuline, D-00603
Droxicainide, D-00614
Dyclonine, D-00623
Edifolone, E-00013
Encainide, E-00044
Epanolol, E-00071
Epicainide, E-00073
Eproxindine, E-00093
Ericolol, E-00107
Erocainide, E-00112
▷Ethaverine, E-00150
Ethyl(3-methoxybenzyl)dimethylammonium(1+), E-00199
Fenetradil, F-00048
Fepromide, F-00085
Flecainide, F-00114
▷Fluacizine, F-00128
Fluzoperine, F-00236
Ftormetazine, F-00270
Ftorpropazine, F-00271
Fubrogonium(1+), F-00272
Guafecainol, G-00090
▷Hexacaine, H-00037
▷Hydroquinidine, *in* Q-00027
▷Hydroxyprocaine, H-00206
Hydroxyzine trimethoxybenzoate, *in* H-00222
Indecainide, I-00054
Indenolol, I-00056
Iprocrolol, I-00159
Isoxaprolol, I-00215
Itrocainide, I-00223
▷Ketocainol, K-00015
▷Lignocaine, L-00047
Lorajmine, *in* A-00088
Lorcainide, L-00094
▷Lupinidine, *in* S-00110
Meobentine, M-00093
▷Metipranolol, M-00322
▷Metoprolol, M-00334
▷Mexiletine, M-00351
Moricizine, M-00442
Moxaprindine, M-00459
Nadoxolol, N-00007
Nicainoprol, N-00085
Nofecainide, N-00197
Octacaine, O-00005
Oxiramide, O-00118
Palatrigine, P-00004
Pargolol, P-00036
Penticainide, P-00098
Pincainide, P-00269
Pipoxizine, P-00303
Pirmenol, P-00342
Pirolazamide, P-00348
▷Practolol, P-00394
▷Prajmalium bitartrate, *in* A-00088
Pranolium(1+), P-00399
Prifuroline, P-00431
Primidolol, P-00435
▷Procainamide, P-00446
Procinolol, P-00451

Propafenone, P-00486
▷Propranolol, P-00514
Pyrinoline, P-00588
Quinacainol, Q-00008
Quindonium(1+), Q-00018
Quinicine, Q-00026
▷Quinidine, Q-00027
Recainam, R-00019
Ronipamil, R-00086
Ropitoin, R-00088
Sematilide, S-00040
Solpecainol, S-00094
Spirendolol, S-00119
▷Sultopride, S-00264
Suricainide, S-00277
Tedisamil, T-00050
Tilisolol, T-00274
Tocainide, T-00332
▷Toliprolol, T-00352
Tosifen, T-00389
Transcainide, T-00398
Tridiurecaine, T-00455
Trigevolol, T-00471
Ubisindine, U-00001
▷Verapamil, V-00019
Xipranolol, X-00018
Zocainone, Z-00024

Antiasthmatic agents

7-[3-(4-Acetyl-3-hydroxy-2-propylphenoxy)-2-hydroxypropoxy]-4-oxo-8-propyl-4*H*-1-benzopyran-2-carboxylic acid, A-00035
Amoxanox, A-00361
▷Beclometasone dipropionate, JAN, *in* B-00024
▷Betamethasone valerate, *in* B-00141
1,1′-Bisisomenthone, B-00224
Bufrolin, B-00351
Bunaprolast, B-00360
Cloxacepride, C-00514
Cortisuzol, C-00550
Cromitrile, C-00564
Cromoglycic acid, C-00565
▷Dexamethasone isonicotinate, *in* D-00111
3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002
3,4-Dihydroxy-α-[(1-methyl-3-phenylpropyl)amino]-propiophenone, D-00335
Dimabefylline, D-00374
Diphenylacetic acid; 3-(Diethylamino)propyl ester, *in* D-00488
▷Diprophylline, D-00523
▷Eprozinol, E-00094
Etafedrine, E-00133
Etolotifen, E-00255
▷Fenoterol, F-00064
▷Fenspiride, F-00076
Fuprazole, F-00276
Furafylline, F-00278
Isamoxole, I-00176
Isocromil, I-00184
Ketotifen, K-00020
▷Khellin, K-00022
Lodoxamide, L-00071
Lodoxamide ethyl, *in* L-00071
Lodoxamide trometamine, *in* L-00071
1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid, M-00268
Mobenzoxamine, M-00412
Nedocromil, N-00060
▷Orciprenaline, O-00053
Oxalinast, O-00079
Oxarbazole, O-00093
Oxatomide, O-00094
10-Oxo-10*H*-pyrido[2,1-*b*]quinazoline-8-carboxylic acid, O-00138
▷Papaverine, P-00019
Piplartine, P-00298
Piriprost, P-00334
Pirolate, P-00347
Procromil, P-00454
Proxicromil, P-00548
Quazolast, *in* C-00259
Quinetolate, *in* M-00217
Repirinast, R-00024
Revenast, R-00034
Terbucromil, T-00082
Terbutaline bis(dimethylcarbamate), *in* T-00084
Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, T-00136
Tiaramide, T-00245
Tibenelast, T-00249
Tretoquinol, T-00418
Triclofylline, T-00451
Verofylline, V-00022
Zaprinast, Z-00006

Antibacterial agents

Acediasulfone, A-00008
▷Acetarsol, *in* A-00271
Acetylsalol, *in* A-00026
Acetylsulfamethoxazole, *in* S-00244
▷Acidomycin, A-00039
▷Acinitrazole, *in* A-00294
Acodazole, A-00045
Aconiazide, A-00046
Acrosoxacin, A-00051
Actamycin, A-00052
▷Actinobolin, A-00053
▷Actinomycin *C*, A-00054
▷Actinomycin C_2, A-00055
▷Actinomycin C_3, A-00056
▷Actinomycin *D*, A-00057
▷Actinoxanthine, A-00058
Adechlorin, A-00066
Aditeren, A-00073
Aditoprime, *in* A-00073
Alahopcin, A-00092
▷Alazopeptin, A-00095
Alborixin, A-00101
Alexidine, A-00107
Aliconazole, A-00117
▷Almecillin, A-00137
▷Althiomycin, A-00158
Amantanium(1+), A-00163
Amantocillin, A-00164
▷Ambazone, A-00166
Amicycline, A-00189
Amifloxacin, A-00195
▷Amikacin, A-00196
▷9-Aminoacridine, A-00205
Aminochlorthenoxycycline, A-00227
1-Amino-3-(decyloxy)-2-propanol, *in* A-00317
▷4-Amino-2-hydroxybenzoic acid, A-00264
▷5-Amino-2-hydroxybenzoic acid, A-00266
(3-Amino-4-hydroxyphenyl)arsinous dichloride, A-00270
4-Amino-3-isoxazolidinone, A-00277
▷2-Amino-5-nitrothiazole, A-00294
▷3-Aminophenylarsonic acid, A-00301
▷4-Aminophenylarsonic acid, A-00302
▷*N*-[(4-Aminophenyl)sulfonyl]benzamide, *in* A-00213
N-[(4-Aminophenyl)sulfonyl]-*N*′-(6-methoxy-3-pyridazinyl)-acetamide, *in* S-00246
1-Amino-2-pyrrolidinecarboxylic acid, A-00328
▷Amoxycillin, A-00364
▷Ampicillin, A-00369
Anogon, *in* D-00358
Antibiotic L 640876, A-00407
Antibiotic U 56407, A-00410
Anticapsin, A-00412
Apalcillin, A-00421

▷Apramycin, A-00428
Aridicin, A-00443
Ascamycin, A-00454
Asparenomycin A, *in* A-00459
Asperlin, A-00464
Aspoxicillin, A-00465
▷Aureomycin, A-00476
Aureothricin, A-00477
▷Avilamycin A, *in* A-00487
Azamulin, A-00500
Azarole, A-00508
▷Azaserine, A-00509
Azidamfenicol, A-00519
Azidocillin, A-00520
Azithromycin, A-00528
Azlocillin, A-00529
▷Aztreonam, A-00533
Bacampicillin, B-00001
▷Bacitracin *A*, B-00002
Bacmecillinam, B-00004
Bactobolin *A*, B-00005
Bakuchiol, B-00006
Balsalazide, B-00008
Baquiloprim, B-00012
▷Benethamine penicillin, *in* B-00126
▷Benzathine penicillin, *in* B-00126
▷Benzhydrylamine penicillin, *in* B-00126
▷2-Benzyl-4-chlorophenol, B-00109
Benzyldodecylbis(2-hydroxyethyl)ammonium(1+), B-00117
▷Benzyl isothiocyanate, B-00122
▷4-(Benzyloxy)phenol, B-00124
▷Benzylpenicillin, B-00126
▷4-Benzylphenol, B-00127
Benzylsulfamide, B-00129
▷Bicyclomycin, B-00158
Binfloxacin, B-00169
▷Bis(4-acetamidophenyl)sulfone, *in* D-00129
1,3-Bis(4-amidinophenyl)triazene, B-00187
N,*N*′-Bis(4-amino-2-methyl-6-quinolinyl)-1,3,5-triazin-2,4,6-triamine, B-00189
Bisdequalinium(2+), B-00202
▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204
3,7-Bis(dimethylamino)phenothiazin-5-ium(1+), B-00208
▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574
Bispyrithione magsulfex, *in* D-00551
▷Bithionoloxide, *in* B-00204
▷Bluensomycin, B-00247
▷Boric acid, B-00254
▷Boromycin, B-00258
Brodimoprim, B-00277
Bromamphenicol, B-00284
▷6-Bromo-5-chloro-2(3*H*)-benzoxazolone, B-00293
5-Bromo-2-methyl-5-nitro-1,3-dioxane, B-00308
▷2-Bromo-2-nitro-1,3-propanediol, B-00310
6-Bromopenicillanic acid, B-00311
▷Bromotetracycline, B-00318
▷Bundlin B, *in* B-00362
Butikacin, B-00404
Capreomycin, C-00031
▷Carbadox, C-00039
Carbenicillin, C-00045
Carbidium(1+), C-00049
▷Carbomycin, C-00056
Carfecillin, C-00074
Carindacillin, C-00077
Carumonam, C-00104
▷Cefaclor, C-00109
▷Cefadroxil, C-00110
Cefaloram, C-00111
Cefamandole, C-00112
Cefamandole; *O*-Formyl, *in* C-00112
Cefaparole, C-00114
▷Cefapirin, C-00115
▷Cefathiamidine, C-00116
▷Cefatrizine, C-00117
Cefazaflur, C-00118
Cefazedone, C-00119
▷Cefazolin, C-00120
Cefbuperazone, C-00121
Cefcanel, C-00122
Cefcanel daloxate, *in* C-00122
Cefedrolor, C-00123
Cefempidone, C-00124
Cefetamet, C-00126
Cefetrizole, C-00127
Cefivitril, C-00128
Cefixime, C-00129
Cefmenoxime, C-00130
Cefmepidium(1+), C-00131
▷Cefmetazole, C-00132
Cefminox, C-00133
Cefodizime, C-00134
Cefonicid, C-00135
Cefoperazone, C-00136
Ceforanide, C-00137
Cefotaxime, C-00138
▷Cefotetan, C-00139
▷Cefotiam, C-00140
▷Cefoxitin, C-00141
Cefpimizole, C-00142
Cefpiramide, C-00143
Cefpirome, C-00144
Cefpodoxime, C-00145
Cefpodoxime proxetil, *in* C-00145
Cefprozil, C-00146
Cefquinone, C-00147
Cefrotil, C-00148
▷Cefroxadine, C-00149
Cefsulodin, C-00150
Cefsumide, C-00151
▷Ceftazidime, C-00152
Ceftezole, C-00154
Ceftibuten, C-00155
Ceftiofur, C-00156
Ceftiolene, C-00157
Ceftioxide, *in* C-00138
Ceftizoxime, C-00158
Ceftriaxone, C-00159
Cefuracetime, C-00160
▷Cefuroxime, C-00161
Cefuroxime axetil, *in* C-00161
Cefuroxime pivoxetil, *in* C-00161
Cephacetrile, C-00170
Cephachlomazine, C-00171
▷Cephalexin, C-00173
▷Cephaloglycin, C-00174
▷Cephalonium, C-00175
▷Cephaloridine, C-00176
▷Cephalosporin *C*, C-00177
▷Cephalothin, C-00178
Cephoxazole, C-00179
▷Cephradine, C-00180
Cethexonium(1+), C-00182
Cetophenicol, C-00185
▷Chelocardin, C-00190
▷Chloramphenicol, C-00195
▷Chloramphenicol palmitate, *in* C-00195
Chloramphenicol pantothenate, *in* C-00195
N-Chlorobenzenesulfonamide, *in* B-00075
▷6-Chloro-1,2-benzisothiazol-3(2*H*)-one, C-00216
▷Chlorobiocin, C-00221
▷4-Chloro-3,5-dimethylphenol, C-00235
▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244
▷Chloro(2-hydroxyphenyl)mercury, C-00247
▷7-Chloro-4-indanol, C-00252
▷4-Chlorophenol, C-00260
▷3-(4-Chlorophenoxy)-1,2-propanediol, C-00261
(4-Chlorophenyl)-2-thienyliodonium, C-00274
▷*N*-Chloro-*p*-toluenesulfonamide, C-00289
Chryscandin, C-00313

▷Ciadox, C-00317
Cinoquidox, C-00376
▷Cinoxacin, C-00377
Ciprofloxacin, C-00390
▷Citromycetin, C-00404
Clemizole penicillin, *in* B-00126
▷Clerocidin, C-00421
▷Clindamycin, C-00428
▷Clindamycin phosphate, *in* C-00428
Clofoctol, C-00461
Clometocillin, C-00470
Clomocycline, C-00473
Cloxacillin, C-00515
▷Colistimethate sodium, *in* C-00536
▷Colistin, C-00536
▷Conessine, C-00540
▷Contramine, *in* D-00244
▷Coumermycin A_1, C-00557
Cuprimyxin, C-00577
▷Cyclacillin, C-00585
2-Cyclohexyl-4-iodo-3,5-dimethylphenol, C-00615
▷Cytochalasin *B*, C-00658
Dactimicin, D-00002
Daptomycin, D-00014
Davercin, *in* E-00115
Deditonium(2+), D-00043
▷6-Demethyl-7-chlorotetracycline, D-00064
6-Demethyl-6-deoxytetracycline, D-00065
6-Demethyltetracycline, D-00066
11-Deoxydoxorubicin, *in* A-00080
6-Deoxy-5-hydroxytetracycline, D-00080
Dequalinium(2+), D-00088
2,6-Diamino-2′-butyloxy-3,5′-azopyridine, D-00121
▷4,4′-Diaminodiphenyl sulfone, D-00129
Diathymosulfone, D-00146
Diaveridine, D-00147
▷Dibekacin, D-00154
Dibrompropamidine, D-00168
N,*N*″-Dichlorodiazenedicarboximidamide, D-00181
▷2,4-Dichloro-3,5-dimethylphenol, D-00186
▷5,7-Dichloro-8-hydroxy-2-methylquinoline, D-00189
5,7-Dichloro-8-hydroxyquinoline, D-00190
▷Dichlorophen, D-00198
▷Dicloxacillin, D-00214
▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)-amino]-2-propanol, D-00231
Difloxacin, D-00268
▷Dihydrostreptomycin, D-00303
[[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]phenyl]-formamide, *in* S-00254
▷6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, D-00452
▷Diphenicillin, D-00485
Diproleandomycin, *in* O-00035
3′,5-Di(2-propenyl)-2,4′-biphenyldiol, D-00522
Dipyrithione, *in* D-00551
Disiquonium(1+), D-00534
▷Disulfiram, D-00542
(4-Dodecylbenzyl)trimethylammonium(1+), D-00566
Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567
3-(Dodecyloxy)propylamine, *in* A-00319
Dodecyltriphenylphosphonium(1+), D-00568
Droxacin, D-00613
▷Econazole, E-00009
▷Efrotomycin, E-00020
Empedopeptin, E-00041
▷Enduracidin *A*, E-00053
Enoxacin, E-00060
Enrofloxacin, E-00068
▷Epicillin, E-00074
Epiroprim, E-00084
▷Erythromycin, E-00115
Erythromycin; 2′-(Ethyl carbonate), *in* E-00115
▷Erythromycin *B*, E-00116
Erythromycin acetate, *in* E-00115
▷Erythromycin estolate, *in* E-00115
▷Erythromycin ethylsuccinate, *in* E-00115
Erythromycin propionate, *in* E-00115
Esafloxacin, E-00119
2,2′-(1,2-Ethanediyldiimino)bis(1-butanol), E-00148
▷6′-Ethoxy-10,11-dihydrocinchonan-9-ol, E-00163
Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198
Etisomicin, E-00242
▷Euprocin, E-00276
Fibracillin, F-00102
Fleroxacin, F-00116
Flomoxef, F-00120
Florfenicol, F-00124
Flucloxacillin, F-00139
Fludalanine, *in* A-00258
Flumequine, F-00155
Fomidacillin, F-00239
▷Foromacidin *A*, F-00249
▷Fortimicin *A*, F-00252
▷Fosfomycin, *in* M-00276
Fosmidomycin, F-00257
▷Fumagillin, F-00273
Fumoxicillin, F-00275
Furaguanidine, F-00279
▷Furalazine, F-00280
▷Furaltadone, F-00281
▷Furazolidone, F-00284
Furazolium(1+), F-00285
Furbenicillin, F-00286
Furbucillin, F-00287
Furmethoxadone, F-00293
▷Fusafungine, F-00301
▷Fusidic acid, F-00303
Fuzlocillin, F-00304
▷Gardimycin, G-00011
▷Gentamicin *B*, G-00017
Gentamicin *C*, G-00018
▷Gentamicin C_{2b}, G-00018
Gloximonam, *in* O-00115
Glucosulfamide, G-00056
▷Glucosulfone, G-00057
▷Glycyrrhetic acid, G-00072
▷Gramicidin *S*, G-00083
▷Gramicidins *A-D*, G-00084
▷Guamecycline, G-00097
Habekacin, *in* D-00154
Halethazole, H-00005
Halopenium(1+), H-00013
▷Haloprogin, H-00018
Hetacillin, H-00035
Hexadecylpyridinium(1+), H-00043
Hexafluorenium(2+), H-00046
▷Hexamethylenetetramine, H-00057
Hexamidine, H-00058
Hexedine, H-00063
Hexetidine, H-00064
9-[4-(Hexyloxy)phenyl]-10-methylacridinium(1+), H-00074
Hydrabamine penicillin, *in* B-00126
▷Hydrargaphen, H-00094
▷2-Hydroxybenzoic acid, H-00112
1-Hydroxy-4,6-dimethyl-2(1*H*)-pyridone, *in* D-00451
μ-Hydroxydiphenyldimercury(1+), H-00125
▷1-Hydroxy-6-methoxyphenazine 5,10-dioxide, H-00152
▷*N*-Hydroxymethyl-*N*′-methylthiourea, H-00165
▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167
▷2-(Hydroxymethyl)-2-nitro-1,3-propanediol, H-00168
8-Hydroxy-5-methylquinoline, H-00176
▷2-Hydroxy-1,4-naphthoquinone, H-00178
▷4-Hydroxy-3-nitrophenylarsonic acid, H-00181
▷8-Hydroxy-5-nitroquinoline, H-00182
1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
▷Hygromycin *A*, H-00223
Ibafloxacin, I-00002
(2-Imidazol-1-yl)ethyl benzoate, I-00031
Imipenem, I-00039

Ipsalazide, I-00166
Irloxacin, I-00171
▷Isepamicin, *in* G-00017
Isoconazole, I-00183
▷Isoniazid, I-00195
Isopropicillin, I-00200
Josamycin propionate, *in* L-00033
▷Kanamycin *A*, K-00004
▷Kanamycin *B*, K-00005
▷Lasalocid *A*, L-00011
Latamoxef, L-00012
Lauroguadine, L-00016
Lenampicillin, L-00022
▷Leucomycin, *in* L-00032
▷Leucomycin A_1, L-00032
▷Leucomycin A_3, L-00033
▷Lividomycin *A*, L-00062
Loflucarban, L-00076
Lomefloxacin, L-00078
▷Lomofungin, L-00082
Loracarbef, L-00090
▷Lymecycline, L-00120
▷Lysostaphin, L-00123
Mafenide, M-00002
Magnolol, M-00012
Maleylsulfathiazole, M-00015
▷Marcellomycin, M-00022
Maridomycin III, M-00023
Maridomycin propionate, *in* M-00023
▷Mecillinam, M-00042
▷Meclocycline, M-00044
Megalomicin *A*, M-00070
▷Mepicycline, M-00096
Mequidox, *in* H-00164
Merbromin, M-00113
Meropenem, M-00128
▷Mesulfamide, M-00141
Metampicillin, M-00150
Metazide, M-00154
▷Methacycline, M-00161
Methicillin, M-00180
▷Methocidin, M-00186
▷Methylarsonic acid, M-00226
6-*O*-Methylerythromycin, *in* E-00115
Metioprim, M-00320
Metioxate, M-00321
▷Metronidazole, M-00344
Metronidazole benzoate, *in* M-00344
▷Mevinolin, M-00348
▷Mezlocillin, M-00358
▷Miloxacin, M-00377
▷Minocycline, M-00387
Mirincamycin, M-00393
▷Mocimycin, M-00413
Moenomycin, M-00418
▷Monensin, M-00428
Morinamide, M-00443
Morphocycline, M-00450
Nafcillin, N-00012
▷Nalidixic acid, N-00029
▷Nanaomycin *A*, N-00036
▷Nebramycin, N-00058
▷Nebramycin factor 6, N-00059
▷Neoarsphenamine, N-00066
▷Neomycin, *in* N-00068
▷Neomycin *B*, N-00068
▷Neomycin *C*, N-00069
▷Netilmicin, N-00078
Neutramycin, N-00081
▷Nifuradene, N-00115
▷Nifuraldezone, N-00116
Nifuralide, N-00117
▷Nifuratel, N-00118
▷Nifuratrone, N-00119
▷Nifurdazil, *in* N-00115
Nifurethazone, N-00120
Nifurfoline, N-00121
▷Nifurimide, N-00122
Nifurizone, N-00123
▷Nifurmazole, N-00124
Nifuroquine, N-00125
▷Nifuroxazide, N-00126
Nifuroxime, *in* N-00177
▷Nifurpipone, N-00127
▷Nifurpirinol, N-00128
Nifurprazine, N-00129
▷Nifurquinazol, N-00130
▷Nifurthiazole, N-00133
Nifurtoinol, N-00135
Nifurvidine, N-00136
▷Nihydrazone, N-00139
Nitrocycline, N-00175
▷Nitrofurantoin, N-00178
▷*N*-[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-acetamide, *in* F-00280
▷[[6-[2-(5-Nitro-2-furanyl)ethenyl]-1,2,4-triazin-3-yl]-imino]bis-(methanol), *in* F-00280
▷Nitrofurazone, *in* N-00177
▷Nitromersol, N-00181
1-Nitro-2-pentanol; (±)-*form*, Ac, *in* N-00183
Nitrosulfathiazole, N-00187
▷Nitrovin, N-00190
▷Norfloxacin, N-00214
▷Nosiheptide, N-00227
▷Novobiocin, N-00228
Octenidine, O-00020
4-O-Demethyl-11-deoxydoxorubicin, *in* A-00080
Ofloxacin, O-00032
▷Olaquindox, O-00034
▷Oleandomycin, O-00035
▷Opiniazide, O-00051
Ormetoprim, O-00057
▷Ornidazole, O-00058
Ostreogrycin *A*, O-00068
Otimerate, O-00070
▷Oxacillin, O-00074
▷2-Oxetanone, O-00105
▷Oxolinic acid, O-00131
Oxychlorosene, O-00148
Paldimycin, P-00005
▷Panthenol, P-00015
Parapropamol, P-00029
▷Paromomycin, P-00039
Paulomycin *A*, P-00044
Pecocycline, P-00049
Pefloxacin, *in* N-00214
Penamecillin, P-00058
Pendecamaine, P-00060
Penethamate, P-00061
▷Penicillin *N*, P-00066
Penimepicycline, P-00068
Penimocycline, P-00069
Penoctonium(1+), P-00073
Pentaphonate, *in* D-00568
▷Pentisomicin, P-00099
Pentizidone, P-00100
▷Pepleomycin, P-00108
▷4,7-Phenanthroline-5,6-dione, P-00144
Phenbenicillin, P-00148
Phenethicillin, P-00152
▷Phenothiazine, P-00167
▷Phenoxymethylpenicillin, P-00171
▷Phenyracillin, *in* B-00126
Phthalylsulfacetamide, P-00225
Phthalylsulfamethizole, P-00226
▷Phthalylsulfathiazole, P-00227
Picloxydine, P-00236
▷Pipemidic acid, P-00278
Piperacillin, P-00283
Piridicillin, P-00325

▷Piromidic acid, P-00349
▷Pivampicillin, P-00362
Pivampicillin pamoate, *in* P-00362
Pivampicillin probenate, *in* P-00362
▷Pivcephalexin, P-00363
Pivmecillinam, P-00366
▷Platenomycin B_1, P-00371
▷Pleuromutilin, P-00374
Polihexanide, P-00381
▷Polymyxin B_1, P-00384
▷Polymyxin B, *in* P-00384
▷Polynoxylin, P-00385
▷Porfiromycin, P-00388
Prazocillin, P-00408
▷Primycin, P-00437
Procaine penicillin G, *in* B-00126
Prontosil, P-00484
Propampicillin, P-00488
▷2-Propanol, P-00491
Propicillin, P-00501
Propikacin, P-00502
▷Prothionamide, P-00535
▷Pseudomonic acid *A*, P-00552
▷3-Pyridinecarboxylic acid; Hydrazide, *in* P-00571
4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide, *in* I-00195
Quinacillin, Q-00009
Quindecamine, Q-00017
Repromicin, R-00025
▷Resistomycin, R-00030
▷Ribostamycin, R-00040
▷Rifamide, *in* R-00047
▷Rifampicin, R-00045
▷Rifamycin, R-00046
Rifapentine, R-00048
Rifaximin, R-00049
Rokitamycin, *in* L-00034
▷Rolitetracycline, R-00078
▷Rosamicin, R-00092
Rosaramicin butyrate, *in* R-00092
Rosaramicin propionate, *in* R-00092
Roxithromycin, R-00100
Rufloxacin, R-00104
Salazodimethoxine, S-00007
Salazodine, S-00008
Salazosulfamide, S-00009
Salazosulfathiazole, S-00010
Salazosulphadimidine, S-00011
Sarpicillin, *in* H-00035
Satranidazole, S-00028
Silital, *in* C-00249
▷Sisomicin, S-00082
Soluarsphenamine, S-00095
▷Spectinomycin, S-00111
▷Spiramycin, *in* F-00249
Stearylsulfamide, S-00142
▷Steffimycin, S-00143
▷Streptomycin, S-00161
Streptonicozid, *in* S-00161
▷Streptovarycin, S-00163
▷Succinylsulfathiazole, S-00172
Sulbenicillin, S-00181
Sulbentine, S-00183
Sulfabromomethazine, S-00185
Sulfacecole, S-00186
▷Sulfacetamide, *in* A-00213
Sulfachrysoidine, S-00187
▷Sulfaclomide, S-00188
Sulfaclorazole, S-00189
Sulfaclozine, S-00190
Sulfacytine, S-00191
Sulfadicramide, S-00192
▷Sulfadoxine, S-00193
Sulfaguanole, S-00194
Sulfamazone, S-00195
▷Sulfamethazine, S-00196
▷Sulfametomidine, S-00197
▷Sulfametopyrazine, S-00198
Sulfametrole, S-00199
▷Sulfamonomethoxime, S-00200
▷Sulfanilamide, *in* A-00213
Sulfanilanilide, S-00202
▷Sulfanilylurea, S-00203
Sulfanitran, S-00204
Sulfanthrol, S-00205
Sulfaperin, S-00206
Sulfapyrazole, S-00207
Sulfapyridazine, S-00208
▷Sulfarsphenamine, *in* D-00127
Sulfasuccinamide, S-00209
Sulfasymazine, S-00210
Sulfathiadiazole, S-00211
Sulfatolamide, *in* M-00002
Sulfatroxazole, S-00212
Sulfatrozole, S-00213
▷Sulfisoxazole, S-00215
Sulfisoxazole acetyl, S-00216
Sulfoxone, S-00223
Sulphachlorpyridazine, S-00236
▷Sulphadiazine, S-00237
▷Sulphadimethoxine, S-00238
Sulphaethidole, S-00239
▷Sulphaguanidine, S-00240
Sulphaloxic acid, S-00241
▷Sulphamerazine, S-00242
▷Sulphamethizole, S-00243
▷Sulphamethoxazole, S-00244
▷Sulphamethoxydiazine, S-00245
▷Sulphamethoxypyridazine, S-00246
▷Sulphamoprine, S-00247
▷Sulphamoxole, S-00248
▷Sulphaphenazole, S-00250
Sulphaproxyline, S-00251
▷Sulphapyridine, S-00252
▷Sulphasalazine, S-00253
▷Sulphasomidine, S-00254
Sulphasomizole, S-00255
▷Sulphathiazole, S-00256
Sulphathiourea, S-00257
Sultamicillin, S-00262
Suncillin, S-00271
Talampicillin, T-00005
Talmetoprim, T-00012
Taurolidine, T-00032
Temafloxacin, T-00058
Temocillin, T-00062
Temodox, T-00063
Terephtyl, T-00087
▷Tetracycline, T-00109
Tetrahydro-2*H*-1,2,4-thiadiazine 1,1-dioxide, T-00134
▷Tetramethylthiuram disulfide, T-00149
Thiamphenicol, T-00179
Thiazolsulfone, T-00185
▷Thiobarbituric acid, T-00192
▷2,2′-Thiobis(4-chlorophenol), T-00194
Thiocarbanidin, T-00197
▷Tiamulin, T-00238
Tibezonium(1+), T-00250
Ticarcillin, T-00255
Ticarcillin; 3-Mono(4-methylphenyl)ester, *in* T-00255
Tigemonam, T-00268
Tilmicosin, T-00275
Timoxicillin, T-00290
Tioxacin, T-00306
Tosufloxacin, T-00390
▷Triacetyloleandomycin, *in* O-00035
▷1,2,4-Triazine-3,5(2*H*,4*H*)-dione, T-00422
▷Tribromsalan, T-00429
▷2,4,4′-Trichloro-2′-hydroxydiphenyl ether, T-00437
▷2,4,5-Trichlorophenol, T-00441

2,3,23-Trihydroxy-12-ursen-28-oic acid, T-00485
▷Trimethoprim, T-00501
▷Tuberactinomycin *N*, T-00569
▷Tylosin, T-00578
Tylosin *D*, T-00579
▷Tyrothricin, T-00583
▷Vancomycin, V-00007
Vaneprim, V-00008
Vanyldisulfamide, V-00010
▷Viomycin, V-00050
▷Virginiamycin, *in* O-00068
Virginiamycin S_1, V-00054
▷Viridogrisein, V-00055
Xenysalate, X-00010
Xibornol, X-00013
Zoficonazole, Z-00026
▷Zorbamycin, Z-00038

Antibiotics

N-Acetyl-6-diazo-5-oxo-L-norleucine, *in* A-00238
▷Acidomycin, A-00039
▷Aclacinomycin *A*, A-00042
Actamycin, A-00052
▷Actinobolin, A-00053
▷Actinomycin *C*, A-00054
▷Actinomycin C_2, A-00055
▷Actinomycin C_3, A-00056
▷Actinomycin *D*, A-00057
▷Actinoxanthine, A-00058
▷Adriamycin, A-00080
Aklavine, A-00089
Alafosfalin, A-00091
Alahopcin, A-00092
▷Alazopeptin, A-00095
▷Albocycline, A-00099
▷Albofungin, A-00100
Alborixin, A-00101
▷Almecillin, A-00137
▷Althiomycin, A-00158
Amantocillin, A-00164
▷Ambruticin, A-00171
▷Amicetin, A-00187
Amicycline, A-00189
Amidinomycin, A-00192
▷Amikacin, A-00196
Aminochlorthenoxycycline, A-00227
5-Amino-1,3-cyclohexadiene-1-carboxylic acid, A-00228
▷2-Amino-6-diazo-5-oxohexanoic acid; (*S*)-*form*, *in* A-00238
4-Amino-3-isoxazolidinone, A-00277
▷Amoxycillin, A-00364
▷Amphotericin *B*, A-00368
▷Anisomycin, A-00395
▷Anthramycin, A-00403
Antibiotic X 14868A, A-00411
Antibiotic AT 125, A-00405
Antibiotic L 640876, A-00407
Antibiotic LL-F28249α, A-00408
Antibiotic SQ 14359, A-00409
Antibiotic U 56407, A-00410
Anticapsin, A-00412
▷Antimycin A_1, A-00415
▷Antimycin A_3, A-00415
Apalcillin, A-00421
▷Aphidicolin, A-00422
Apicycline, A-00423
▷Apramycin, A-00428
▷Aranotin, A-00436
Aridicin, A-00443
Ascamycin, A-00454
Asparenomycin A, *in* A-00459
Asperlin, A-00464
Aspoxicillin, A-00465
Asterriquinone, A-00467
▷Augmentin, *in* C-00410
▷Aureomycin, A-00476
Aureothricin, A-00477
Avermectin A_{1a}, A-00479
Avermectin B_{1a}, A-00483
Avermectin A_{2a}, A-00481
Avermectin B_{2a}, A-00485
Avermectin A_{1b}, A-00480
Avermectin B_{1b}, A-00484
Avermectin A_{2b}, A-00482
Avermectin B_{2b}, A-00486
▷Avilamycin A, *in* A-00487
▷5-Azacytidine, A-00496
Azidamfenicol, A-00519
Azidocillin, A-00520
Azithromycin, A-00528
Azlocillin, A-00529
▷Azotomycin, A-00531
▷Aztreonam, A-00533
Bacampicillin, B-00001
▷Bacitracin *A*, B-00002
Bactobolin *A*, B-00005
Beauvericin, B-00020
▷Bicyclomycin, B-00158
▷Bleomycin A_2, B-00243
▷Bluensomycin, B-00247
▷Boromycin, B-00258
▷Bredinin, B-00267
▷Bromotetracycline, B-00318
▷Bundlin B, *in* B-00362
Butikacin, B-00404
▷Butirosin *A*, B-00408
Cadeguomycin, C-00003
Caerulomycin, C-00006
Capreomycin, C-00031
▷Carbomycin, C-00056
Carindacillin, C-00077
Carminazone, *in* C-00081
▷Carminomycin I, C-00081
Carumonam, C-00104
▷Carzinophilin, C-00106
Cationomycin, C-00108
Cefaloram, C-00111
Cefanone, C-00113
Cefaparole, C-00114
▷Cefapirin, C-00115
▷Cefathiamidine, C-00116
▷Cefatrizine, C-00117
Cefazaflur, C-00118
Cefbuperazone, C-00121
Cefcanel, C-00122
Cefcanel daloxate, *in* C-00122
Cefedrolor, C-00123
Cefempidone, C-00124
Cefepime, C-00125
Cefetamet, C-00126
Cefetrizole, C-00127
Cefivitril, C-00128
Cefixime, C-00129
Cefmenoxime, C-00130
Cefmepidium(1+), C-00131
Cefminox, C-00133
Cefodizime, C-00134
Cefonicid, C-00135
Cefoperazone, C-00136
Ceforanide, C-00137
▷Cefotetan, C-00139
▷Cefotiam, C-00140
Cefpimizole, C-00142
Cefpiramide, C-00143
Cefpirome, C-00144
Cefpivtetrame, *in* C-00153
Cefpodoxime, C-00145
Cefpodoxime proxetil, *in* C-00145
Cefprozil, C-00146
Cefquinone, C-00147

Cefrotil, C-00148
▷Cefroxadine, C-00149
Cefsumide, C-00151
▷Ceftazidime, C-00152
Cefteram, C-00153
Ceftibuten, C-00155
Ceftiofur, C-00156
Ceftiolene, C-00157
Ceftizoxime, C-00158
Ceftriaxone, C-00159
Cefuzonam, C-00162
Cephachlomazine, C-00171
▷Cephalonium, C-00175
▷Cephradine, C-00180
▷Chelocardin, C-00190
▷Chloramphenicol, C-00195
▷2-Chloroadenosine, C-00214
▷Chlorobiocin, C-00221
▷3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, C-00223
Chryscandin, C-00313
Cilofungin, C-00345
▷Citrinin, C-00403
▷Citromycetin, C-00404
▷Clavulanic acid, C-00410
▷Clindamycin, C-00428
▷Clindamycin phosphate, *in* C-00428
Clometocillin, C-00470
Cloxacillin, C-00515
▷Coformycin, C-00532
▷Colistimethate sodium, *in* C-00536
▷Colistin, C-00536
▷Coumermycin A_1, C-00557
Cyanonaphthyridinomycin, C-00583
▷Cyclacillin, C-00585
Cyclizidine, C-00594
▷Cycloheximide, *in* D-00441
Dactimicin, D-00002
Daptomycin, D-00014
Davercin, *in* E-00115
α-Dehydrobiotin, D-00048
6-Demethyltetracycline, D-00066
▷Destomycin *A*, D-00103
▷Destomycin *B*, D-00103
▷Destomycin *C*, D-00103
▷Dibekacin, D-00154
2,3-Dichloro-4-nitro-1*H*-pyrrole, D-00197
▷Dihydrostreptomycin, D-00303
▷6,8-Dimethylpyrimido[5,4-*e*]-1,2,4-triazine-5,7(6*H*,8*H*)-dione, D-00452
▷Diphenicillin, D-00485
Dirithromycin, D-00533
Ditetracycline, D-00547
▷DL 435, *in* A-00093
Emetine, E-00036
Empedopeptin, E-00041
▷Enduracidin *A*, E-00053
▷Epicillin, E-00074
▷Erythromycin, E-00115
Erythromycin; 2′-(Ethyl carbonate), *in* E-00115
▷Erythromycin *B*, E-00116
Erythromycin acetate, *in* E-00115
▷Erythromycin ethylsuccinate, *in* E-00115
Erythromycin propionate, *in* E-00115
▷Esorubicin, *in* A-00080
Etisomicin, E-00242
▷Filipin, F-00106
Flomoxef, F-00120
Fomidacillin, F-00239
▷Foromacidin *A*, F-00249
▷Fortimicin *A*, F-00252
▷Fosfomycin, *in* M-00276
Fosmidomycin, F-00257
Fostriecin, F-00260
▷Fumagillin, F-00273
Furbenicillin, F-00286
▷Fusafungine, F-00301
▷Fusidic acid, F-00303
▷Gardimycin, G-00011
▷Gentamicin *B*, G-00017
Gentamicin *C*, G-00018
▷Gentamicin C_{2b}, G-00018
▷Gliotoxin, G-00041
Gloximonam, *in* O-00115
▷Gramicidin *S*, G-00083
▷Gramicidins *A-D*, G-00084
▷Griseofulvin, G-00087
Habekacin, *in* D-00154
▷Hachimycin, H-00001
▷Hikizimycin, H-00075
Hitachimycin, H-00081
▷1-Hydroxy-6-methoxyphenazine 5,10-dioxide, H-00152
▷Hygromycin *A*, H-00223
▷Idarubicin, I-00016
Imipenem, I-00039
▷Isepamicin, *in* G-00017
▷Ivermectin, I-00225
Josamycin propionate, *in* L-00033
Kalafungin, K-00002
▷Kanamycin *A*, K-00004
▷Kanamycin *B*, K-00005
▷Lasalocid *A*, L-00011
Lenampicillin, L-00022
▷Leucomycin A_1, L-00032
▷Leucomycin A_3, L-00033
▷Lincomycin, L-00051
▷Lividomycin *A*, L-00062
▷Lomofungin, L-00082
Loracarbef, L-00090
▷Lucensomycin, L-00112
▷Marcellomycin, M-00022
Maridomycin III, M-00023
Maridomycin propionate, *in* M-00023
▷Maytansine, M-00026
Medorubicin, *in* A-00080
Megalomicin *A*, M-00070
Meglucycline, M-00072
Meropenem, M-00128
▷Methocidin, M-00186
6-*O*-Methylerythromycin, *in* E-00115
▷Mithramycin, M-00397
▷Mocimycin, M-00413
Morphocycline, M-00450
▷Mucidin, M-00469
Mycinamycin II, M-00474
▷Nanaomycin *A*, N-00036
▷Narasin *A*, N-00050
▷Nebramycin, N-00058
▷Nebramycin factor 6, N-00059
▷Neomycin, *in* N-00068
▷Neomycin *B*, N-00068
▷Neomycin *C*, N-00069
▷Netilmicin, N-00078
Neutramycin, N-00081
Nitrocefin, N-00173
▷2-Nitro-1*H*-imidazole, N-00179
▷Nogalamycin, N-00198
▷Nosiheptide, N-00227
▷Novobiocin, N-00228
▷Oleandomycin, O-00035
▷Oligomycin *D*, O-00037
Ostreogrycin *A*, O-00068
Oxetacillin, O-00104
Oximonam, O-00115
▷Oxytetracycline, O-00166
Paldimycin, P-00005
▷Paromomycin, P-00039
▷Patulin, P-00043
Paulomycin *A*, P-00044
▷Peliomycin, P-00053
▷Pentisomicin, P-00099

▷Pentostatin, P-00105
Phenbenicillin, P-00148
Pirazmonam, P-00314
Piridicillin, P-00325
Pirlimycin, P-00339
Piroxicillin, P-00352
▷Pivampicillin, P-00362
Pivampicillin pamoate, *in* P-00362
Pivampicillin probenate, *in* P-00362
Pivmecillinam, P-00366
▷Platenomycin B_1, P-00371
▷Pleuromutilin, P-00374
▷Porfiromycin, P-00388
Prazocillin, P-00408
▷Primycin, P-00437
Propampicillin, P-00488
Propikacin, P-00502
▷Pseudomonic acid *A*, P-00552
▷Pyrazomycin, P-00566
▷Rachelmycin, R-00001
▷Rapamycin, R-00013
Repromicin, R-00025
▷Resistomycin, R-00030
Ribocitrin, R-00037
2-Ribofuranosyl-4-selenazolecarboxamide, R-00039
Rifabutin, R-00044
▷Rifamide, *in* R-00047
▷Rifampicin, R-00045
▷Rifamycin, R-00046
Rifapentine, R-00048
Rifaximin, R-00049
Rokitamycin, *in* L-00034
▷Rolitetracycline, R-00078
▷Rosamicin, R-00092
Rotamicillin, R-00095
Roxithromycin, R-00100
Sarmoxicillin, *in* O-00104
Schizophyllan, S-00030
▷Sibiromycin, S-00064
▷Sinefungin, S-00078
▷Sisomicin, S-00082
▷Sparsomycin, S-00109
▷Spectinomycin, S-00111
▷Spiramycin, *in* F-00249
▷Steffimycin, S-00143
▷Streptomycin, S-00161
Streptonicozid, *in* S-00161
▷Streptonigrin, S-00162
▷Streptovarycin, S-00163
▷Streptozotocin, S-00164
Sulbenicillin, S-00181
Talampicillin, T-00005
▷Tallysomycin *A*, T-00010
Tameticillin, *in* M-00180
Tazobactam, T-00043
Teichomycin, T-00056
▷Thiostrepton, T-00210
Thiphencillin, T-00216
Tigemonam, T-00268
Tilmicosin, T-00275
Timentin, *in* C-00410
Timoxicillin, T-00290
Toremifene, T-00388
2,3,23-Trihydroxy-12-ursen-28-oic acid, T-00485
▷Trimethoprim, T-00501
Trospectomycin, T-00557
▷Tuberactinomycin *N*, T-00569
▷Tylosin, T-00578
Tylosin *D*, T-00579
▷Vancomycin, V-00007
▷Variotin, V-00012
▷Violacein, V-00049
▷Viomycin, V-00050
▷Virginiamycin, *in* O-00068
Virginiamycin S_1, V-00054
▷Viridogrisein, V-00055
▷Xanthocillin *X*, X-00005
▷Zorbamycin, Z-00038

Anticholinergic agents

▷Adiphenine, A-00072
Adrafinil, A-00074
▷Ambutonium(1+), A-00175
▷Aminopentamide, A-00296
Amprotropine, A-00371
▷Aprofene, A-00431
Atromepine, A-00474
Belladonna (Extract), B-00030
▷Benactyzine, B-00034
Benapryzine, B-00037
Bentipimine, B-00068
Benzetimide, B-00080
Benzhexol, B-00081
Benzilonium(1+), B-00082
Benzopyrronium(1+), B-00095
▷Benztropine, B-00104
Beperidium(1+), B-00131
Bevonium(1+), B-00147
▷Biperiden, B-00175
▷Bornaprine, B-00255
▷BS 7020a, *in* D-00087
Butinoline, B-00407
Butropium(1+), B-00425
▷Butylscopolammonium bromide, *in* S-00031
Buzepide, B-00434
▷Camylofin, *in* D-00234
Canbisol, C-00025
▷Caramiphen, C-00037
Carpronium(1+), C-00100
Chlorbenzoxamine, C-00196
Ciclonium(1+), C-00330
Ciclotropium(1+), C-00335
Cimetropium(1+), C-00351
Clemeprol, C-00417
Clidinium(1+), C-00425
▷Clofenciclan, C-00451
Clofenetamine, C-00452
▷Cyclizine, C-00595
Cyclodrine, C-00601
Cyclopentolate, C-00631
(4-Cyclopentyl-4-hydroxy-3-oxo-4-phenylbutyl)-ethyldimethyl-ammonium(1+), C-00632
Cyclopyrronium(1+), C-00637
Cycrimine, C-00641
Decitropine, D-00038
Deptropine, D-00087
Dibutoline(1+), D-00171
Dicyclomine, D-00218
▷Diethazine, D-00227
▷Difemerine, D-00261
Dihexyverine, D-00276
(Dimethylamino)trimethylpyrazine, D-00423
Dimetipirium(1+), D-00458
Diphemanil (1+), D-00482
Diphenylacetic acid; 3-(Diethylamino)propyl ester, *in* D-00488
1,1-Diphenyl-4-piperidino-2-butyn-1-ol, D-00508
▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
Dipiproverine, D-00517
Domazoline, D-00572
Dotefonium(1+), D-00587
Droclidinium(1+), D-00605
Elantrine, E-00021
▷Elucaine, E-00031
Emepronium(1+), E-00035
Emetonium(1+), E-00037
Endobenzyline(1+), E-00047
▷Ethopropazine, E-00160
▷Ethybenztropine, E-00172

N-Ethyl-3,3′-diphenyldipropylamine, E-00184
Eucatropine, E-00267
Fenclexonium(1+), F-00041
Fentonium(1+), F-00081
Flutropium(1+), F-00233
Glycopyrronium(1+), G-00070
Heteronium(1+), H-00036
Hexasonium(1+), H-00062
▷Hexocyclium(1+), H-00067
Hexopyrronium(1+), H-00069
▷Homatropine, H-00082
Ipragratine, I-00153
Ipratropium(1+), I-00155
▷Isopropamide(1+), I-00199
Mecloxamine, M-00050
Meletimide, M-00079
Mepenzolate(1+), M-00094
Mepiperphenidol(1+), M-00098
▷Metcaraphen, M-00158
Methantheline(1+), M-00169
▷Methixene, M-00185
Methylbenactyzium(1+), M-00227
Metocinium(1+), M-00326
Metoquizine, M-00335
▷Neostigmine(1+), N-00070
Octamylamine, O-00013
▷Octatropine methylbromide, O-00018
▷Orphenadrine, O-00064
Otilonium(1+), O-00069
Oxitefonium(1+), O-00121
Oxitropium(1+), O-00123
Oxybutynin, O-00147
Oxyphencyclimine, O-00159
Oxyphenonium(1+), O-00161
Oxypyrronium(1+), O-00163
Oxysonium(1+), O-00165
Parapenzolate(1+), P-00028
Pentapiperide, P-00091
Penthienate, P-00095
▷Phencarbamide, P-00150
▷Phenglutarimide, P-00155
▷Pipenzolate(1+), P-00279
▷Piperidolate, P-00290
Piperilate, P-00291
Piperphenidol, P-00295
Pitofenone, P-00359
Platyphylline, P-00372
Poldine, P-00378
Poskine, P-00390
Prifinium(1+), P-00430
▷Procyclidine, P-00455
▷Proglumide, P-00468
Propantheline, P-00492
Propenzolate, P-00497
Propyromazine(1+), P-00520
▷Scopolamine, S-00031
Sopitazine, S-00101
Sultroponium, S-00265
▷1-[1-(2-Thienyl)cyclohexyl]piperidine, T-00187
Thihexinol methyl(1+), T-00190
Thiphenamil, T-00215
Tiemonium(1+), T-00257
Tigloidine, *in* T-00270
Timepidium(1+), T-00284
Toquizine, T-00385
Trantelinium(1+), T-00399
Treptilamine, T-00414
Tridihexethyl(1+), T-00454
Tropenziline(1+), T-00551
Tropicamide, T-00552
Tropigline, T-00553
Tropine tropate, T-00554
▷Tropirine, T-00555
Tropodifene, T-00556
Trospium(1+), T-00558
Troxypyrrolium(1+), T-00561
Valethamate(1+), V-00003
Xylamidine, X-00020
Zepastine, Z-00009

Anticholinesterases

Ambenonium(2+), A-00167
▷9-Amino-1,2,3,4-tetrahydroacridine, A-00333
Benzpyrinium(1+), B-00101
▷Bucricaine, *in* A-00333
▷Chlorpyrifos, C-00301
Crotoxyphos, C-00571
Demecarium(2+), D-00061
▷Diazinon, D-00149
▷Dichlofenthion, D-00176
▷Dichlorvos, D-00207
▷Diisopropyl phosphorofluoridate, D-00368
Distigmine(2+), D-00540
Ecothiopate(1+), E-00010
▷Eserine, E-00122
▷Fenchlorphos, F-00039
▷Fenitrothion, F-00057
▷Fenthion, F-00078
▷Galantamine, *in* G-00002
Geneserine, G-00016
▷Malathion, M-00013
▷Neostigmine(1+), N-00070
Oxydipentonium(2+), O-00150
▷Phoxim, P-00221
▷Pyridostigmine(1+), P-00578
▷Tetraethyl pyrophosphate, T-00112
▷Thebaine; (−)-*form*, *in* T-00162
Tomatidine, T-00374
▷Trichlorphon, T-00443
▷Trimedoxime(2+), T-00493

Anticoagulants

▷Ancrod, A-00381
Antithrombin III, A-00417
α_1-Antitrypsin, A-00418
Argatroban, A-00440
▷2-(4-Bromophenyl)-1,3-indanedione, B-00313
▷2-(4-Chlorophenyl)-1,3-indandione, C-00264
Clocoumarol, C-00445
Cumetharol, C-00573
Cyclocoumarol, C-00599
Diarbarone, D-00145
9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid, D-00338
▷Diphenadione, D-00483
▷Dipyridamole, D-00530
▷Etabenzarone, E-00131
▷Ethyl biscoumacetate, *in* B-00219
▷Ethylenediaminetetraacetic acid, E-00186
4′-Ethynyl-2-fluoro-1,1′-biphenyl, E-00230
▷2-(4-Fluorophenyl)-1,3-indanedione, F-00189
Gabexate, G-00001
▷Galbanic acid, G-00003
▷Heparin, H-00026
▷Hexadimethrine bromide, *in* T-00148
▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone, H-00157
▷4-Hydroxy-3-(1-naphthyl)-2*H*-1-benzopyran-2-one, H-00180
Iloprost, I-00023
Lyapolate sodium, *in* V-00047
▷2-(4-Methoxyphenyl)-1,3-indanedione, M-00212
▷3,3′-Methylenebis(4-hydroxy-2*H*-1-benzopyran-2-one), M-00251
Moxicoumone, M-00464
2-(1-Naphthyl)-1,3-indandione, N-00045
Nicogrelate, N-00099
▷Nicoumalone, N-00105
▷Oxazidione, O-00097
Phenprocoumon, P-00174
▷2-Phenyl-1,3-indanedione, P-00192

▷Plafibride, P-00369
Prodiame, P-00458
Prolame, P-00471
Prostacyclin, P-00528
Protein S, P-00532
Quisultazine, Q-00039
Tilsuprost, T-00279
Tioclomarol, T-00297
Tizabrin, T-00329
▷2-[(4-Trifluoromethyl)phenyl]1,3-indanedione, T-00467
▷Vitamin K_1, V-00064
▷Warfarin, W-00001
▷Xylocoumarol, X-00022

Anticolitis agents

Balsalazide, B-00008
Ipsalazide, I-00166
▷Nifuroxazide, N-00126

Anticonvulsants

▷Acetazolamide, A-00018
Albutoin, A-00102
Aloxidone, A-00143
4-Amino-5-hexenoic acid, A-00260
▷4-(Aminosulfonyl)benzoic acid, *in* S-00217
2-Amino-6-(trifluoromethoxy)benzothiazole, A-00339
Arfendazam, A-00439
Atolide, A-00471
▷Beclamide, B-00022
Bentazepam, B-00066
▷1-Benzoyl-5-ethyl-5-phenylbarbituric acid, *in* E-00218
▷3-(3-Bromophenyl)-2-propenoic acid, B-00314
3-(3-Bromophenyl)-2,5-pyrrolidinedione, B-00315
Brosotamide, *in* B-00302
Carbocloral, *in* T-00438
▷5-(2-Chloroethyl)-4-methylthiazole, C-00238
Ciprazafone, C-00386
▷Citenamide, *in* D-00158
▷Clobazam, C-00433
▷Clonazepam, C-00475
▷Cyheptamide, *in* D-00282
Daxatrigine, D-00021
▷Delorazepam, D-00056
Denzimol, D-00076
3,5-Diamino-6-(2,3-dichlorophenyl)-1,2,4-triazine, D-00125
▷5*H*-Dibenz[b,f]azepine-5-carboxamide, *in* D-00155
▷5,5-Diethyl-1-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00253
10,11-Dihydro-10-oxo-5*H*-dibenz[*b*,*f*]azepine-5-carboxamide, *in* D-00281
5,5-Dimethyl-2,4-imidazolidinedithione, D-00431
5,5-Dimethyl-2,4-oxazolidinedione, D-00439
▷1,3-Dimethyl-3-phenyl-2,5-pyrrolidinedione, D-00447
Dinazafone, D-00465
Dioxamate, D-00473
▷5,5-Diphenyl-2,4-imidazolidinedione, D-00493
5,5-Diphenyl-4-imidazolidinone, D-00494
Diphoxazide, D-00516
Dizocilpine, D-00560
Endixaprine, E-00046
Etazepine, E-00142
▷5-Ethyl-1,3-bis(methoxymethyl)-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, *in* E-00218
Ethyl dirazepate, E-00185
▷Ethyl 4-fluorophenyl sulfone, E-00191
▷5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00206
▷3-Ethyl-3-methyl-2,5-pyrrolidinedione, E-00207
▷3-Ethyl-5-phenyl-2,4-imidazolidinedione, E-00214
▷5-Ethyl-5-phenyl-2,4-imidazolinedione, E-00215
▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
▷2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione, E-00219
▷Etizolam, E-00244
▷Felbamate, *in* P-00200
▷Fenaclon, F-00031
▷Fenimide, F-00053
▷Flumazenil, F-00152
Flunarizine, F-00165
▷Flunitrazepam, F-00168
9-(2-Fluorobenzyl)-6-methylamino-9*H*-purine, F-00182
Fluzinamide, F-00235
2-Hydroxyethyl benzylcarbamate, H-00129
▷Magnesium sulfate, M-00010
▷Metharbitone, M-00173
▷Methazolamide, M-00176
▷Methetoin, M-00179
▷Methoin, M-00188
▷1-Methyl-3-phenyl-2,5-pyrrolidinedione, M-00294
▷Mexiletine, M-00351
▷Morsuximide, M-00453
Motrazepam, M-00455
Nabazenil, N-00001
Nafimidone, N-00016
▷Nimetazepam, N-00147
▷Nitrazepam, N-00170
N-Nonyl 7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *in* A-00330
Oxazafone, O-00095
▷Oxitriptyline, O-00122
▷Paramethadione, P-00024
Paraxazone, P-00031
2-(Pentylamino)acetamide, P-00106
▷Pheneturide, P-00153
▷(Phenylacetyl)urea, P-00176
Piriqualone, P-00335
▷Primidone, P-00436
Profexalone, P-00463
Proflazepam, P-00464
Progabide, P-00465
▷2-Propylpentanoic acid, P-00516
Ralitoline, R-00004
Ropizine, R-00090
▷Stiripentol, S-00157
Suclofenide, S-00174
▷Sulthiame, S-00263
Suproclone, S-00273
Taltrimide, T-00018
▷Temazepam, *in* O-00096
▷Thiopental, T-00206
Tiletamine, T-00272
Tolufazepam, T-00372
Topiramate, T-00382
▷1,3,5-Triazine-2,4,6-triol, T-00423
▷3,5,5-Trimethyl-2,4-oxazolidinedione, T-00510
Valperinol, V-00005
Valproate pivoxil, *in* P-00516
Valpromide, *in* P-00516
Vinylbitone, V-00046
▷Zapizolam, Z-00005
Zonisamide, *in* B-00087
▷Zopiclone, Z-00037

Antidepressants

3-Acetyl-5-hydroxy-1-(4-methoxyphenyl)-2-methyl-1*H*-indole, A-00034
Adafenoxate, A-00061
Adinazolam, A-00071
Alaproclate, A-00094
Almoxatone, A-00140
Amedalin, A-00179
Amezepine, A-00181
Amiflamine, A-00193
Amineptine, A-00200
▷3-(2-Aminobutyl)indole, A-00222
4-Amino-6-methoxy-1-phenylpyridazinium(1+), A-00279
4-Amino-5-phenyl-1-pentene, A-00307
▷Amitryptylinoxide, *in* N-00224
Amixetrine, A-00350

▷Amoxapine, A-00362
Amperozide, A-00365
Ansoxetine, A-00399
Azaloxan, A-00498
Azipramine, A-00526
▷Balipramine, B-00007
Befuraline, B-00028
▷Benmoxin, B-00055
Benzaprinoxide, *in* C-00228
Bifemelane, B-00161
▷Binedaline, B-00168
Bipenamol, B-00174
Brofaromine, B-00278
Bupropion, B-00371
4′-*tert*-Butoxyacetanilide, B-00419
▷Butriptyline, B-00424
▷1-*tert*-Butyl-4,4-diphenylpiperidine, *in* D-00503
▷Carbenzide, *in* M-00233
▷Caroxazone, C-00091
▷Carpipramine, C-00097
Cartazolate, C-00101
▷Centpropazine, C-00169
4-(5-Chloro-2-benzofuranyl)-1-methylpiperidine, C-00217
▷2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, C-00270
Cianopramine, C-00320
Ciclazindol, C-00326
Cilobamine, C-00344
▷Cimoxatone, C-00352
Cinfenine, C-00364
Citalopram, C-00400
Clemeprol, C-00417
▷Clocapramine, C-00441
▷Clodazon, C-00448
▷Clomipramine, C-00472
Clorgyline, C-00496
▷Clovoxamine, C-00513
Cotinine, C-00553
Cotriptyline, C-00554
(Cyclohexylmethyl)hydrazine, C-00616
Cyprolidol, C-00649
▷Cyproximide, C-00652
Daledalin, D-00006
Danitracen, D-00011
Dazadrol, D-00022
Dazepinil, D-00023
Demexiptiline, D-00067
▷Desipramine, D-00095
Dexoxadrol, *in* D-00472
▷Dibenzepin, D-00156
Diclofensine, D-00211
▷3-(10,11-Dihydro-5*H*-dibenzo[*a*,*d*]cyclohepten-5-ylidene)-*N*,*N*-dimethyl-1-propanamine, *in* N-00224
▷Dimetacrine, D-00387
Dimethazan, D-00389
▷2-Dimethylaminoethanol, D-00408
▷2-(Dimethylamino)-5-phenyl-4(5*H*)-oxazolone, D-00417
3-(Dimethylamino)-1,2,3,4-tetrahydrocarbazole, D-00422
▷*N*′,α-Dimethylphenethylhydrazine, D-00442
4-(2,3-Dimethylphenoxy)-3-hydroxypiperidine, D-00444
Dioxadrol, D-00472
3-(Diphenylmethylene)-1-ethylpyrrolidine, D-00498
2,2-Dipropylpentanamide, *in* D-00525
▷Dothiepin, D-00588
▷Doxepin, D-00594
Eclanamine, E-00007
Efetozole, E-00018
▷Encyprate, *in* C-00636
Enprazepine, E-00065
Esuprone, E-00130
4-(4-Ethylphenyl)piperidine, E-00217
Etoperidone, E-00261
Fanthridone, F-00018
Femoxetine, F-00030
Fengabine, F-00052
Fenmetozole, F-00058
Fezolamine, F-00100
Fipexide, F-00107
▷Fluacizine, F-00128
▷Fludiazepam, F-00144
Fluotracen, F-00192
Fluoxetine, F-00194
Fluparoxan, F-00197
Fluperlapine, F-00200
Fluvoxamine, F-00234
Fluzoperine, F-00236
Gamfexine, G-00009
▷Glaziovine, G-00029
▷Haematoporphyrin, H-00002
Hepzidine, H-00033
Homopipramol, H-00085
▷5-Hydroxytryptophan, H-00219
▷Imipramine, I-00040
Imipraminoxide, *in* I-00040
Indatraline, I-00053
Indeloxazine, I-00055
Intriptyline, I-00088
▷Iprindole, I-00157
▷Iproclozide, I-00158
▷Iproniazid, I-00161
▷Isocarboxazid, I-00181
Ketipramine, K-00013
Levoxadrol, *in* D-00472
▷Lithium carbonate, L-00058
Lithium citrate, L-00059
▷Lithium hydroxide, L-00060
Litracen, L-00061
Lofepramine, L-00074
Lomevactone, L-00080
Losindole, L-00101
▷Maprotiline, M-00021
Mariptiline, M-00024
▷Medifoxamine, M-00056
▷Melitracen, M-00081
Metapramine, *in* A-00241
(1-Methylheptyl)hydrazine, M-00258
5-Methyl-6-phenyl-3-morpholinone, M-00291
2-Methyl-3-(1-piperidinyl)pyrazine, M-00296
Metostilenol, M-00337
Metralindole, M-00340
Mezepine, M-00356
Mianserin, M-00360
Milnacipran, M-00376
Moclobemide, M-00415
Monometacrine, M-00429
Moxiraprine, M-00466
Nafenodone, N-00013
Napactadine, N-00039
Napamezole, N-00040
Naprodoximine, N-00047
Nefazodone, N-00061
▷Nefopam, N-00063
Nialamide, N-00082
Nisoxetine, N-00160
Nitrafudam, N-00164
Nitraquazone, N-00167
Nomelidine, N-00201
▷Nortriptyline, N-00224
Noxiptyline, N-00229
Octriptyline, O-00026
▷Opipramol, O-00052
▷Oxaflozane, O-00076
Oxaprotiline, O-00092
▷Oxypertine, O-00157
Panuramine, P-00017
Paroxetine, P-00040
Peralopride, P-00112
(3-Phenoxypropyl)guanidine, P-00173
2-Phenylcyclopentylamine, P-00185
2-Phenylcyclopropylamine, P-00186
▷1-Phenylethylhydrazine, P-00188

▷(2-Phenylethyl)hydrazine, P-00189
1-Phenyl-3-(1-piperazinyl)isoquinoline, P-00196
α-Phenyl-2-piperidinemethanol, P-00197
Piberaline, P-00229
2-(1-Piperazinyl)quinoline, P-00286
3-[2-(4-Piperidinyl)ethyl]-1*H*-indole, P-00287
Pipethiadene, P-00297
Pipofezine, P-00300
Pipradimadol, P-00305
Pirandamine, P-00313
Pirlindole, P-00340
Prazepine, P-00405
Prazitone, P-00407
Prideperone, P-00428
Prindamine, P-00438
▷Prolintane, P-00473
Propizepine, P-00508
▷Protriptyline, P-00544
Quinupramine, Q-00036
Reboxetine, R-00018
Rofelodine, R-00073
Rolicypram, R-00076
▷Safrazine, S-00003
Sertraline, S-00052
Sibutramine, S-00065
Spiroxepin, S-00133
Stirocainide, S-00158
Sulmepride, S-00228
▷Sulpiride, S-00259
Talopram, T-00014
Talsupram, T-00017
Tametraline, T-00021
Tampramine, T-00024
Tandamine, T-00025
Tebatizole, T-00045
Teniloxazine, T-00070
2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]indole, T-00116
2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]-cyclohepta[1,2-*c*]pyridine, T-00123
▷1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, T-00125
2,3,5,6-Tetrahydro-3-phenyl-1*H*-imidazo[1,2-*a*]imidazole, T-00130
▷Tetramisole, T-00151
Thiazesim, T-00181
▷Thyroliberin, T-00229
Tianeptine, T-00240
Tienocarbine, T-00260
Tienopramine, T-00261
▷Tifemoxone, T-00263
Tiflucarbine, T-00266
Tofenacin, T-00339
Tolgabide, T-00350
▷Toloxatone, T-00360
Tolquinzole, T-00369
Tomoxetine, T-00377
Tracazolate, T-00393
Trazium(1+), T-00404
▷Trazodone, T-00405
▷Trebenzomine, *in* A-00245
▷Trimipramine, T-00516
Trizoxime, T-00543
▷Trocimine, T-00544
Venlafaxine, V-00015
▷Viloxazine, V-00029
▷Yohimbine, Y-00002
Zafuleptine, Z-00003
Zimeldine, Z-00015
Zometapine, Z-00036

Antidiarrhoeal agents

3-[(4-Aminophenyl)sulfonyl]-1,3-diphenyl-1-propanone, A-00311
▷Berberine, B-00135
Butoxylate, *in* D-00265
Cicarperone, C-00324
Difenoxin, D-00265
1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*][4,1]-benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, D-00292
▷Diphenoxylate, *in* D-00265
▷Domperidone, D-00576
Fetoxylate, *in* D-00265
Fluperamide, F-00199
Lidamidine, L-00043
Loperamide, L-00087
Loperamide oxide, *in* L-00087
Mebiquine, M-00036
Nifalatide, N-00109
▷Nufenoxole, N-00232
Polycarbophil, P-00382
Silital, *in* C-00249
Thihexinol methyl(1+), T-00190

Antidiuretic agents

8-L-Arginine vasopressin, V-00013
Bentemazole, *in* I-00033
Desmopressin, D-00097
▷3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, H-00195
▷*8-L-Lysine vasopressin*, V-00013
Sulverapride, S-00266
Terlipressin, T-00093

Antiemetics

Acetylleucine, *in* L-00029
Alizapride, A-00122
4-Amino-*N*-(1-cyclohexyl-3-pyrrolidinyl)-*N*-methylbenzamide, A-00229
Amisulpride, A-00347
Benzquinamide, B-00102
Broclepride, B-00274
Bromopride, B-00317
▷Buclizine, B-00339
Bufenadrine, B-00347
▷Carperone, C-00093
▷Chlorproethazine, C-00296
▷Chlorpromazine, C-00298
Cinitapride, C-00368
Cipropride, C-00391
Clebopride, C-00414
Cloroperone, C-00499
▷Cyclizine, C-00595
Dazopride, D-00027
3,4-Diethoxy-*N*-[*p*-[2-(methylamino)ethoxy]benzyl]benzamide, D-00230
▷Diphenhydramine teoclate, *in* D-00484
▷Diphenidol, D-00486
▷Diphenylpyraline 8-chlorotheopyllinate, *in* D-00514
▷Domperidone, D-00576
Embramine teoclate, *in* E-00033
Etacepride, E-00132
Flotrenizine, F-00126
Flubepride, F-00134
Fluciprazine, F-00137
▷Fludorex, F-00145
▷Fluopromazine, F-00176
Halopemide, H-00012
Icospiramide, I-00013
▷Iprozilamine, I-00165
Irolapride, I-00172
Isosulpride, I-00213
Lenperone, L-00024
Malethamer, M-00014
▷Meclozine, M-00051
Mefenidramium(1+), M-00064
Methiomeprazine, M-00182
▷Metoclopramide, M-00327

▷Metopimazine, M-00332
Metoxepin, M-00338
Mezacopride, *in* Z-00002
▷Mezilamine, M-00357
Mociprazine, M-00414
▷Nabilone, N-00002
Nantradol, N-00038
Nonabine, N-00202
Ondansetron, O-00048
2-Oxo-1-pyrrolidineacetamide, *in* O-00139
Oxypendyl, O-00156
▷Piflutixol, P-00248
▷Pipamazine, P-00273
▷Prochlorperazine, P-00450
▷Promethazine, P-00478
▷Prothipendyl, P-00536
Prothixene, P-00537
▷Sulpiride, S-00259
Δ^8-Tetrahydrocannabinol, T-00114
Δ^9-Tetrahydrocannabinol, T-00115
▷Thiethylperazine, T-00189
▷Thioproperazine, T-00208
Tiapride, T-00243
Tinisulpride, T-00294
Trazolopride, T-00406
Trenizine, T-00411
▷Trifluoperazine, T-00463
Trimethobenzamide, T-00500
Xanthiol, X-00004
Zacopride, Z-00002

Antifungal agents

Acrisorcin, *in* H-00071
4,4a-Dihydromevinolin, *in* M-00348
▷Albofungin, A-00100
Aliconazole, A-00117
Alteconazole, A-00155
▷Ambazone, A-00166
▷Ambruticin, A-00171
Amidinomycin, A-00192
Amorolfine, A-00359
Amphotalide, A-00367
▷Amphotericin A, *in* A-00368
▷Anisomycin, A-00395
▷Antimycin *A*, A-00415
▷Antimycin A_1, A-00415
▷Antimycin A_3, A-00415
Azaconazole, A-00494
▷Azaserine, A-00509
Beauvericin, B-00020
Bensuldazic acid, B-00065
▷2-Benzyl-4-chlorophenol, B-00109
Benzyldodecylbis(2-hydroxyethyl)ammonium(1+), B-00117
▷4-Benzylphenol, B-00127
3-Benzylpyrido[3,4-*e*]-1,2,4-triazine, B-00128
Bifonazole, B-00164
Bisdequalinium(2+), B-00202
▷Bis(2,4-dichloro-6-hydroxyphenyl)disulfide, B-00204
▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574
Bispyrithione magsulfex, *in* D-00551
▷Bithionoloxide, *in* B-00204
5-Bromo-2-methyl-5-nitro-1,3-dioxane, B-00308
Buclosamide, B-00340
Butoconazole, B-00410
▷Butyl 4-hydroxybenzoate, *in* H-00113
Caerulomycin, C-00006
▷Chlordantoin, C-00199
Chlordimorine, C-00201
▷Chlormidazole, C-00211
2-Chloroacetyl-5-nitrofuran, C-00213
▷6-Chloro-1,2-benzisothiazol-3(2*H*)-one, C-00216
▷3-Chloro-4-(3-chloro-2-nitrophenyl)-1*H*-pyrrole, C-00223
2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene, C-00233
▷4-Chloro-3,5-dimethylphenol, C-00235
▷5-Chloro-8-hydroxy-7-iodoquinoline, C-00244
▷Chloro(2-hydroxyphenyl)mercury, C-00247
▷5-Chloro-8-hydroxyquinoline, C-00249
▷7-Chloro-4-indanol, C-00252
▷3-(4-Chlorophenoxy)-1,2-propanediol, C-00261
5-(3-Chloropropyl)-4-methylthiazole, C-00281
Chlorphenoctium(1+), C-00293
Chryscandin, C-00313
Cilofungin, C-00345
Cisconazole, C-00397
Climbazole, C-00427
Clofenoxyde, C-00453
Clotioxone, C-00510
▷Clotrimazole, C-00512
Croconazole, C-00562
▷Crotamiton, C-00567
▷Cupric acetate, C-00575
Cuprimyxin, C-00577
▷Cycloheximide, *in* D-00441
6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone, C-00612
▷Cyclosporin *A*, C-00638
Deditonium(2+), D-00043
α-Dehydrobiotin, D-00048
Democonazole, D-00068
Dequalinium(2+), D-00088
▷Dermostatin *A*, D-00089
Diamthazole, D-00143
5,7-Dibromo-8-hydroxy-2-methylquinoline, D-00166
▷5,7-Dibromo-8-hydroxyquinoline, D-00167
Dibrompropamidine, D-00168
▷5,7-Dichloro-8-hydroxy-2-methylquinoline, D-00189
5,7-Dichloro-8-hydroxyquinoline, D-00190
▷2,6-Dichloro-4-nitroaniline, D-00196
2,3-Dichloro-4-nitro-1*H*-pyrrole, D-00197
2,2-Dichlorovinyl methyl octyl phosphate, D-00205
▷1,8-Dihydroxyanthrone, D-00310
3′,5-Di(2-propenyl)-2,4′-biphenyldiol, D-00522
Dipyrithione, *in* D-00551
▷Disulfiram, D-00542
2,2′-Dithiobis[*N*-butylbenzamide], D-00549
Doconazole, D-00563
Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567
3-(Dodecyloxy)propylamine, *in* A-00319
Dodecyltriphenylphosphonium(1+), D-00568
▷Econazole, E-00009
Ethonam, E-00159
3-(Ethylamino)-1,2-benzisothiazole, *in* A-00214
O-Ethyl carbamothioate, *in* T-00196
Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198
▷Ethylparaben, *in* H-00113
▷Fenticonazole, F-00080
Fezatione, F-00099
▷Filipin, F-00106
Fluconazole, F-00140
▷5-Fluorocytosine, F-00183
Fluotrimazole, F-00193
▷Glycerol triacetate, G-00065
▷Griseofulvin, G-00087
Halethazole, H-00005
Halopenium(1+), H-00013
Hedaquinium(2+), H-00023
1,9-Heptadecadiene-4,6-diyne-3,8-diol, H-00028
Hexamidine, H-00058
Hexetidine, H-00064
▷Hikizimycin, H-00075
▷Hydrargaphen, H-00094
▷2-Hydroxybenzoic acid, H-00112
μ-Hydroxydiphenyldimercury(1+), H-00125
▷*N*-Hydroxymethyl-*N*′-methylthiourea, H-00165
▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167
β-Hydroxymevinolin, *in* M-00348
▷2-Hydroxy-1,4-naphthoquinone, H-00178
▷8-Hydroxy-5-nitroquinoline, H-00182
2-Hydroxy-*N*-phenylbenzamide, *in* H-00112

N-Hydroxy-3-pyridinecarboxamide, *in* P-00570
▷Hydroxystilbamidine, H-00213
▷Imazalil, I-00025
Isoconazole, I-00183
Itraconazole, I-00222
▷Ketoconazole, K-00016
▷Lobendazole, L-00065
Loflucarban, L-00076
▷Lucensomycin, L-00112
Magnolol, M-00012
Malotilate, M-00016
Mepartricin A, *in* P-00042
▷Methyl 4-hydroxybenzoate, *in* H-00113
▷4-Methyl-5-thiazolecarboxylic acid, M-00310
▷Miconazole, M-00363
▷Monensin, M-00428
▷Monosulfiram, M-00430
▷Mucidin, M-00469
Naftifine, N-00024
Naftoxate, N-00026
Nifuralide, N-00117
▷Nifuratel, N-00118
Nitralamine, N-00165
▷Nystatin, N-00235
▷Octanoic acid, O-00014
▷Oligomycin *D*, O-00037
Omoconazole, O-00046
▷Ontianil, O-00050
Orconazole, O-00054
[[Orthoborato(1−)-*O*]phenyl]mercury, *in* H-00191
Otimerate, O-00070
▷2-Oxetanone, O-00105
Oxiconazole, O-00111
Oxifungin, O-00113
Parconazole, P-00033
Penoctonium(1+), P-00073
2-(Pentyloxy)benzamide, P-00107
Peritetrate, P-00125
Phenacizol, P-00136
Picloxydine, P-00236
▷Pimaricin, P-00253
▷Polynoxylin, P-00385
▷Potassium iodide, P-00392
Proclonol, P-00453
▷Propyl 4-hydroxybenzoate, *in* H-00113
Protiofate, P-00538
▷Rapamycin, R-00013
Rilopirox, R-00053
Rimoprogin, R-00059
▷Selenium sulfide, S-00037
Sertaconazole, S-00051
Siccanin, S-00066
Silital, *in* C-00249
▷Sinefungin, S-00078
▷Sodium thiosulfate, S-00091
Sulbentine, S-00183
Sulconazole, S-00184
▷Tenonitrozole, T-00072
Terbinafine, T-00081
Terconazole, T-00086
▷Tetramethylthiuram disulfide, T-00149
▷Thiabendazole, T-00171
▷2,2′-Thiobis(4-chlorophenol), T-00194
▷Thiophanate, T-00207
Thioxolone, T-00214
Tioconazole, T-00298
▷Tolciclate, T-00346
Tolindate, T-00351
▷Tolnaftate, T-00354
▷Triacetoxyanthracene, *in* D-00310
▷Tribromsalan, T-00429
▷2,4,5-Trichlorophenol, T-00441
▷Trimorphamide, T-00518
Tubulozole, T-00572
▷10-Undecenoic acid, U-00008
Valconazole, V-00002
▷Variotin, V-00012
Vibunazole, V-00028
Withaferin *A*, W-00002
Wortmannin, W-00003
Xenysalate, X-00010
Zinoconazole, Z-00021

Antihepatoxic agents

S-Adenosylmethionine, A-00068
2,6-Bis(2-thienylmethylene)cyclohexanone, B-00237
Cicloxilic acid, C-00336
3-Cyclohexyl-3-hydroxybutanoic acid, C-00610
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
(Methylidynetrithio)triacetic acid, M-00262
▷Orazamide, *in* A-00275
Silybin, S-00069
Silychristin, S-00070
Silydianin, S-00071
Urazamide, *in* A-00275

Antihistamines

Acrivastine, A-00049
▷Alloclamide, A-00126
3-Amino-9,13*b*-dihydro-1*H*-dibenz[*c*,*f*]imidazo[1,5-*a*]azepine, A-00242
Amoxydramine, *in* D-00484
▷Antazoline, A-00400
▷Antergan, A-00402
▷Astemizole, A-00466
Azatadine, A-00512
▷Azelastine, A-00515
Barmastine, B-00015
▷Benztropine, B-00104
▷4-(*N*-Benzylanilino)-1-methylpiperidine, B-00106
Bepiastine, B-00133
Bisfentidine, B-00214
Bromodiphenhydramine, B-00299
Brompheniramine, B-00325
▷Buclizine, B-00339
Bufenadrine, B-00347
Burimamide, B-00375
Cabastine, C-00001
▷Captodiame, C-00033
▷Carbinoxamine, C-00052
Carebastine, C-00073
Cetirizine, C-00184
Cetoxime, C-00186
▷Chlorcyclizine, C-00198
Chlorethindole, C-00202
▷Chloropyrilene, C-00282
▷Chlorpheniramine, C-00292
▷Chlorphenoxamine, C-00294
▷Chlorprothixene, C-00300
▷Cimetidine, C-00350
Cinnarizine, C-00372
Clemastine, C-00416
Clemizole, C-00418
Clobenzepam, C-00434
Clobenztropine, C-00436
Clocinizine, C-00443
Clofenetamine, C-00452
▷Cloperastine, C-00482
Closiramine, C-00505
▷Cyamemazine, C-00578
Cycliramine, C-00593
▷Cyclizine, C-00595
▷Cyproheptadine, C-00648
Dametralast, D-00008
Danitracen, D-00011
Deptropine, D-00087
Difeterol, D-00266
Dimelazine, D-00378

▷Dimethindene, D-00391
Dimetholizine, D-00395
▷Dimethothiazine, D-00396
▷10-[(Dimethylamino)acetyl]-10*H*-phenothiazine, D-00403
▷10-[2-(Dimethylamino)ethyl]phenothiazine, D-00412
▷Diphenhydramine, D-00484
4-[2-(Diphenylmethoxy)ethyl]morpholine, D-00496
▷Diphenylpyraline, D-00514
▷Diphenylpyraline 8-chlorotheopyllinate, *in* D-00514
▷Dixyrazine, D-00557
Dorastine, D-00583
▷Doxylamine, D-00598
Ebastine, E-00001
Elanzepine, E-00022
Embramine, E-00033
Etintidine, E-00237
Etoloxamine, E-00256
Etymemazine, E-00266
Flotrenizine, F-00126
Flufylline, F-00149
▷Fluprofylline, F-00210
▷Halopyramine, H-00019
Histapyrrodine, H-00078
▷Homochlorcyclizine, H-00083
Homofenazine, H-00084
▷Hydroxyzine, H-00222
Iproheptine, *in* M-00257
7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, I-00201
▷Isothipendyl, I-00214
Loratadine, L-00092
Mebhydrolin, M-00035
▷Meclozine, M-00051
Medrylamine, M-00059
Mefenidramium(1+), M-00064
▷Mepyramine, M-00108
▷Mequitazine, M-00109
▷Methaphenilene, M-00170
▷Methapyrilene, M-00171
▷Methdilazine, M-00177
p-Methyldiphenhydramine, M-00247
Metoxepin, M-00338
Mianserin, M-00360
Mifentidine, M-00370
▷Moxastine, M-00460
▷Niaprazine, N-00083
Octastine, O-00017
Oxadimedine, O-00075
Oxatomide, O-00094
▷Oxomemazine, O-00132
Perastine, P-00114
Phenindamine, P-00156
▷Pheniramine, P-00157
▷Phenyltoloxamine, P-00210
Piclopastine, P-00235
▷Pimethixene, P-00257
Pipoxizine, P-00303
Pirdonium(1+), P-00317
Pizotifen, P-00368
▷Promethazine, P-00478
Propiomazine, P-00504
Propyromazine(1+), P-00520
▷Prothipendyl, P-00536
Pyroxamine, P-00593
Pyrrobutamine, P-00594
▷10-[2-(1-Pyrrolidinyl)ethyl]-10*H*-phenothiazine, P-00597
Quifenadine, Q-00006
Revenast, R-00034
Rocastine, R-00070
Sequifenadine, S-00044
Setastine, S-00056
Talastine, T-00006
Tazifylline, T-00041
Temelastine, T-00060
▷Terfenadine, T-00088
1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline, T-00117
▷Thenalidine, T-00163
▷Thenyldiamine, T-00165
Thiazinamium(1+), T-00182
▷Thonzylamine, T-00218
▷Tiotidine, T-00305
Tolpropamine, T-00367
Trazitiline, T-00403
Trenizine, T-00411
▷Trimeprazine, T-00495
Trimexiline, T-00515
▷Tripelennamine, T-00524
▷Triprolidine, T-00529
Tritoqualine, T-00541
Tropatepine, T-00550
▷Tropirine, T-00555
Zepastine, Z-00009
Zolamine, Z-00027

Antihypertensive agents

Acebutolol, A-00006
Aceperone, A-00014
Acetryptine, A-00027
Acoxatrine, A-00047
Afurolol, A-00082
Aganodine, A-00083
Alacepril, A-00090
Alfuzosin, A-00112
Alipamide, A-00121
Alpiropride, A-00149
▷Alprenolol, A-00151
Althiazide, A-00157
Ambuside, A-00174
▷4-Aminobutanoic acid, A-00221
2-Amino-4,5-dihydro-4,4-dimethyloxazole, A-00243
4-Amino-6,7-dimethoxyquinoline, A-00250
2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid, A-00273
4-Amino-6-methoxy-1-phenylpyridazinium(1+), A-00279
Amipizone, A-00344
Amlodipine, A-00351
Anaritide, A-00377
Ancarolol, A-00380
Anipamil, A-00392
▷Arecoline, *in* T-00126
Arfalasin, A-00438
Atiprosine, A-00470
Atriopeptin, A-00473
Azamethonium(2+), A-00499
Azaspirium(1+), A-00510
Azepexole, A-00516
Bemitradine, B-00033
Benazepril, *in* B-00038
Benazeprilat, B-00038
Benclonidine, B-00041
Bendacalol, B-00043
▷Bendrofluazide, B-00047
Benidipine, B-00054
Benzoclidine, *in* Q-00035
▷2-Benzylbenziimidazole, B-00107
1-Benzyl-2,3-dimethylguanidine, B-00114
Besulpamide, B-00139
Betaxolol, B-00142
Biclodil, B-00153
▷Bietaserpine, *in* R-00029
Bometolol, B-00251
Bradykinins, B-00264
Brazergoline, B-00266
Bretylium(1+), B-00271
Brocrinat, B-00276
Bucindolol, B-00338
▷Budralazine, B-00346
Bufeniode, B-00348
Bumedipil, B-00355
Bunazosin, B-00361
Bupicomide, *in* B-00432

Butanserin, B-00392
Buthiazide, B-00401
▷5-Butyl-2-pyridinecarboxylic acid, B-00432
Butynamine, B-00433
▷Cadralazine, C-00004
Caerulein, C-00005
Canbisol, C-00025
▷Captopril, C-00034
▷Carmetizide, C-00079
Carprazidil, C-00098
Carvedilol, C-00105
Centhaquine, C-00166
Chlorisondamine(2+), C-00207
2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b*,*e*]-azepine, C-00234
▷4-Chloro-*N*-methyl-3-[(methylamino)sulfonyl]benzamide, C-00255
▷Chlorothiazide, C-00288
▷Chlorthalidone, C-00302
▷Cholic acid, *in* T-00475
Cianergoline, C-00319
Ciclafrine, C-00325
Cicletanine, C-00327
Cicloprolol, C-00332
Ciclosidomine, C-00333
Ciheptolane, C-00340
Cilazaprilat, C-00343
▷Clofenamide, *in* C-00215
Clonidine, C-00477
Clopamide, C-00480
Clorexolone, C-00495
Coleonol, *in* E-00090
Cromakalim, C-00563
▷*N*-Cyano-*N'*-(1,1-dimethylpropyl)guanidine, C-00581
Cycleanine, C-00590
4-Cyclohexyl-1-[[[1-hydroxy-2-methylpropoxy](4-phenylbutyl)-phosphinyl]acetyl]-L-proline, C-00611
▷Cyclopenthiazide, C-00630
▷Cyclothiazide, C-00639
Dagapamil, D-00004
▷Dauricine, D-00020
Debrisoquine, D-00033
Delapril, D-00051
▷Deserpidine, D-00093
Desocriptine, D-00098
▷Diazoxide, D-00152
Dicirenone, D-00208
Dicolinium(2+), D-00215
▷Dihydralazine, D-00277
Dimetholizine, D-00395
(4,5-Dimethoxy-2-methylphenyl) methyl sulfoxide, D-00398
4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, D-00430
2,6-Dimethyl-4-(2-nitrophenyl)-5-(2-oxo-1,3,2-dioxaphosphorinan-2-yl)-1,4-dihydro-3-pyridinecarboxylate, D-00437
4-[2-(2,6-Dimethylphenyl)ethyl]-1*H*-imidazole, D-00445
4-[(2,6-Dimethylphenyl)methyl]-1*H*-imidazole, D-00446
1,1-Diphenyl-4-piperidino-2-butyn-1-ol, D-00508
▷Diprophylline, D-00523
Docarpamine, D-00562
Dopastin, D-00580
Doxazosin, D-00592
Dramedilol, D-00599
▷Eledoisin, E-00024
Eltoprazine, E-00030
Enalapril, *in* E-00043
Enalaprilat, E-00043
Endralazine, E-00050
Epithiazide, E-00085
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087
Ericolol, E-00107
9-[(1-Ethoxycarbonyl-3-phenylpropyl)amino]-10-oxoperhydropyridazino[1,2-*a*][1,2]diazepine-1-carboxylic acid, *in* C-00343
1-[2-[[1-(Ethoxycarbonyl)-3-phenylpropyl]amino]-1-oxopropyl]octahydrocyclopenta[*b*]pyrrole-2-carboxylic acid, *in* R-00008
Ethyl 5-hydroxy-1,2-dimethyl-3-indolecarboxylate, *in* H-00163
Ethyl 4-(2-methoxyphenyl)-1-piperazineheptanoate, E-00201
2-Ethyl-1,2,3,4-tetrahydro-2-methylisoquinolinium(1+), E-00222
Etozolin, *in* O-00169
Felodipine, F-00028
Fenoldopam, F-00063
Fenperate, F-00068
Flavodilol, F-00110
Flesinoxan, F-00117
Flordipine, F-00122
7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, F-00188
Flupranone, F-00205
Flutonidine, F-00230
Fosinopril, *in* C-00611
▷Frusemide, F-00267
Guabenxan, G-00088
Guanabenz, G-00098
Guanacline, G-00099
Guanadrel, G-00100
Guanclofine, G-00101
▷Guanethidine, G-00102
Guanfacine, G-00103
2-(Guanidinomethyl)octahydro-1*H*-azocine, G-00111
Guanisoquine, G-00113
Guanochlor, G-00114
Guanoxabenz, *in* G-00098
Guanoxan, G-00115
▷Hexamethonium(2+), H-00055
▷Hydrastine, H-00095
▷1-Hydrazinophthalazine, H-00096
6-Hydrazino-3-pyridazinecarboxamide, H-00097
▷Hydrochlorothiazide, H-00098
▷Hydroflumethiazide, H-00099
5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid, H-00117
2-Hydroxy-*N*,*N*,*N*,*N'*,*N'*,*N'*-hexamethyl-1,3-propanediaminium diiodide, *in* D-00135
Iloprost, I-00023
Imidapril, I-00029
Imiloxan, I-00036
Indacrinone, I-00049
Indanidine, I-00051
▷Indapamide, I-00052
Indolapril, I-00063
Indoramin, I-00069
Indorenate, I-00070
Ipramidil, I-00154
Irindalone, I-00170
Ketanserin, K-00010
▷Labetalol, L-00001
Lemidosul, L-00021
Leniquinsin, L-00023
Libenzapril, L-00042
Lisinopril, L-00057
Lofexidine, L-00075
Losulazine, L-00102
Manidipine, M-00017
▷Mebutamate, M-00039
▷Mecamylamine, M-00041
▷Mecinarone, M-00043
Medroxalol, M-00058
Mefeserpine, M-00066
▷Mefruside, M-00069
Metazosin, M-00156
Methalthiazide, M-00166
▷Methoserpidine, M-00191
▷Methyclothiazide, M-00218
α-Methyldopa, M-00249
1-Methyl-3-oxo-4-phenylquinuclidinium(1+), M-00278
▷(1-Methyl-2-phenylethyl)hydrazine, M-00289
Methyl 3-phenyl-2-propen-1-yl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, M-00292

▷Metolazone, M-00330
▷Metoprolol, M-00334
Midodrine, M-00369
▷Minoxidil, M-00388
Mociprazine, M-00414
Mopidralazine, M-00434
Motapizone, M-00454
Moveltipril, M-00457
Moxicoumone, M-00464
Moxonidine, M-00468
▷Muzolimine, M-00473
▷Nadolol, N-00006
Naftopidil, N-00025
Narceine, N-00051
Naxaprostene, N-00054
Nebidrazine, N-00056
Nesapidil, N-00076
Nicainoprol, N-00085
Nicardipine, N-00088
Niceverine, N-00091
▷Nifedipine, N-00110
Niguldipine, N-00138
Nileprost, N-00140
▷Niludipine, N-00142
Nipradilol, N-00154
Nisoldipine, N-00159
Nitrarine, N-00168
Nitrendipine, N-00172
Nitricholine perchlorate, *in* C-00308
Olmidine, O-00039
Oxdralazine, O-00100
Oxodipine, O-00128
Oxonazine, O-00133
▷Oxprenolol, O-00145
Oxyphemedol, *in* H-00173
Ozolinone, O-00169
Pacrinolol, P-00001
Pamatolol, P-00008
▷Pargyline, P-00037
Pazoxide, P-00047
Peganine, P-00050
Pelanserin, P-00052
Penbutolol, P-00059
Penflutizide, P-00063
Penirolol, P-00070
Penprostene, P-00074
Pentacynium(2+), P-00076
Pentakis(cyano-*C*)nitrosylferrate(2−), P-00083
Pentamethonium (2+), P-00084
▷1,2,2,6,6-Pentamethylpiperidine, P-00085
Pentolium(2+), P-00102
Pentopril, P-00104
Peradoxime, P-00111
Peraquinsin, P-00113
Peratizole, P-00115
Perindopril, *in* P-00123
Perindoprilat, P-00123
Phenactropinium(1+), P-00137
▷Phenoxybenzamine, P-00170
(3-Phenoxypropyl)guanidine, P-00173
▷Phentolamine, P-00175
N-(α-Phenylbutyryl)methionine, P-00181
Piclonidine, P-00234
Pildralazine, P-00251
Pimobendan, P-00261
▷Pinacidil, P-00264
▷Pindolol, P-00270
Pipoctanone, P-00299
Piprofurol, P-00309
Pirepolol, P-00322
Pivopril, *in* C-00633
Podilfen, P-00375
▷Polythiazide, P-00386
▷Prazosin, P-00409
Primaperone, P-00433
Primidolol, P-00435
Prizidilol, P-00441
▷Propranolol, P-00514
Prorenoate, P-00524
Protostephanine, P-00542
▷Protoveratrine A, *in* P-00543
▷Protoveratrine B, *in* P-00543
▷Protoverine, P-00543
Pyratrione, P-00559
1-[2-(4-Pyridinylamino)benzoyl]piperidine, P-00575
4-(3-Pyridinylcarbonyl)morpholine, P-00576
Quinapril, *in* Q-00012
Quinaprilat, Q-00012
Quinazosin, Q-00014
Quinelorane, Q-00019
Quinethazone, Q-00021
Quinpirole, Q-00032
Ramiprilat, R-00008
Regutensin, *in* T-00148
Rentiapril, R-00022
Rescimetol, R-00027
Rescinnamine, *in* R-00028
▷Reserpine, R-00029
Rilmenidine, R-00052
▷Riodipine, R-00060
Ritanserin, R-00066
Romifidine, R-00082
Rutaecarpine, R-00105
Saralasin, S-00023
Securinine, S-00035
Sornidipine, S-00105
Sotalol, S-00106
Spirapril, *in* S-00118
Spiraprilat, S-00118
Spirgetine, S-00120
Substance *P*, S-00171
Sulfinalol, S-00214
▷Syrosingopine, S-00287
Taludipine, T-00019
Teclothiazide, T-00047
Tefenperate, T-00052
Teprotide, T-00079
Terazosin, T-00080
Terciprazine, T-00085
Tertatolol, T-00097
2-Tetradecyloxiranecarboxylic acid, T-00110
2,3,4,5-Tetrahydro[1,4]diazepino[1,2-*a*]indole, T-00116
1,2,3,4-Tetrahydro-6-hydroxy-7-methoxy-1-methylisoquinoline, T-00117
▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132
(1,1,3,3-Tetramethylbutyl)guanidine, T-00145
▷Theobromine, T-00166
Theophylline piperazine, *in* T-00169
Tiamenidine, T-00236
Tibalosin, T-00248
▷Tienilic acid, T-00258
Tilsuprost, T-00279
Timolol, T-00288
Tinabinol, T-00291
Tinazoline, T-00292
Tiodazosin, T-00299
Tipentosin, T-00310
Tiprostanide, T-00318
▷α-Tocopherolquinone, *in* T-00337
▷Todralazine, T-00338
Tolamolol, T-00343
Tolnapersine, T-00355
Tolonidine, T-00358
Trandolapril, *in* T-00396
Trandolaprilat, T-00396
▷Trazodone, T-00405
Trequinsin, T-00415
Tribendilol, T-00427
▷Trichloromethiazide, T-00439

Trigevolol, T-00471
Trimazosin, T-00490
Trimetamide, T-00496
Trimethaphan(1+), T-00498
Trimethidinium(2+), T-00499
Trimoxamine, T-00519
Tripamide, T-00522
Troxonium(1+), T-00560
Troxypyrrolium(1+), T-00561
▷Urapidil, U-00010
Vincamine, V-00033
Vincanol, V-00034
Viprostol, V-00051
Xibenolol, X-00012
Xipamide, X-00017
(Xylosylamino)benzoic acid, X-00025
▷Yohimbine, Y-00002
Zabicipril, Z-00001
Zidapamide, Z-00011
Zofenopril, Z-00025

Antiinflammatory agents

Aceclofenac, *in* D-00210
▷Acemetacin, A-00013
▷Acepromazine, A-00015
Acetaminosalol, *in* H-00112
▷2-Acetoxybenzoic acid, A-00026
Acetylenoxolone, *in* G-00072
▷*N*-Acetyl-2-hydroxybenzamide, A-00033
3-Acetyl-7-methoxy-2,4-dimethylquinoline, A-00037
▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297
Aclantate, A-00043
Acrocinonide, *in* T-00419
▷Alclofenac, A-00103
Alclometasone, A-00104
Alclometasone dipropionate, *in* A-00104
▷Algestone acetonide, *in* A-00114
Allocupreide, A-00127
Allylcinchophen, *in* P-00206
Alminoprofen, A-00138
Aloxiprin, A-00144
Alpha Amylase, A-00147
Amcinafal, *in* T-00419
Amcinafide, A-00176
▷Amcinonide, A-00177
Amebucort, A-00178
4-(4′-Aminobenzamido)antipyrine, A-00211
▷(2-Amino-3-benzoylphenyl)acetic acid, A-00218
[2-Amino-3-(4-bromobenzoyl)phenyl]acetic acid, A-00219
▷5-Amino-2-hydroxybenzoic acid, A-00266
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287
4-Amino-6-methyl-2-phenyl-3(2*H*)-pyridazinone, A-00288
5-Amino-1-phenyl-1*H*-tetrazole, A-00313
Aminoprofen, A-00316
Amiprilose, A-00345
Amixetrine, A-00350
Ampiroxicam, A-00370
Anilamate, A-00389
Anirolac, A-00393
N-Antipyrinylsalicylamide, A-00416
▷Antrafenine, A-00419
Aspergillomarasmine *B*, A-00462
Auranofin, A-00475
Aurothioglycanide, A-00478
▷Azapropazone, A-00507
▷Beclometasone dipropionate, JAN, *in* B-00024
Beclometasone valeroacetate, *in* B-00024
▷Benorylate, B-00057
▷Benoxaprofen, B-00059
1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
Benzpiperylone, B-00100
▷Benzydamine, B-00105
▷2-(Benzylidenehydrazino)-4-*tert*-butyl-6-(1-piperazinyl)-1,3,5-triazine, B-00119
2-[1-(Benzylimino)ethyl]phenol, B-00121
▷Bermoprofen, B-00136
▷Betamethasone, B-00141
Betamethasone; 21-Phosphate, *in* B-00141
Betamethasone acetate, JAN, *in* B-00141
Betamethasone acibutate, *in* B-00141
Betamethasone adamantoate, *in* B-00141
Betamethasone benzoate, *in* B-00141
▷Betamethasone dipropionate, *in* B-00141
Betamethasone divalerate, *in* B-00141
Betamethasone salicylate, *in* B-00141
Betamethasone succinate, *in* B-00141
▷Betamethasone valerate, *in* B-00141
Betamethasone valeroacetate, *in* B-00141
▷Bindazac, B-00167
4-Biphenylacetic acid, B-00176
2-(4-Biphenylyl)-4-hexenoic acid, B-00180
▷4-(4-Biphenylyl)-4-oxobutanoic acid, B-00181
4-[1,1′-Biphenyl-4-yl]-3-penten-2-one, B-00182
2,3-Bis(acetyloxy)benzoic acid, *in* D-00315
Bis(8-hydroxy-5,7-quinolinedisulfonato(3−)-N^1,O^8-cuprate, B-00223
2,3-Bis(4-methoxyphenyl)-1*H*-indole, B-00227
5,6-Bis(4-methoxyphenyl)-3-methyl-1,2,4-triazine, B-00228
4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, B-00229
Brofezil, B-00279
Bromamid, B-00283
▷Bromelains, B-00287
Broperamole, B-00327
Bucillamine, B-00337
▷Bucloxic acid, B-00341
▷Bucolome, *in* C-00622
Budesonide, B-00344
▷Bufexamac, B-00350
▷Bufezolac, *in* D-00515
Bumadizone, B-00353
Butaglionamide, B-00384
Butanixin, B-00391
▷Butibufen, B-00402
Butinoline, B-00407
Butixirate, *in* B-00179
▷Carbenoxolone, *in* G-00072
Carpesterol, C-00094
▷Carprofen, C-00099
5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224
▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225
6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione, C-00232
21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione, *in* C-00437
2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, C-00246
4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269
▷Chlorthenoxazin, C-00303
▷Choline salicylate, *in* H-00112
Cicortonide, C-00338
Cinaproxen, C-00356
Cinfenoac, C-00365
▷Cinmetacin, C-00369
Cinoxolone, *in* G-00072
Cintazone, C-00383
Ciprocinonide, C-00388
Ciproquazone, C-00392
Clamidoxic acid, C-00406
Clantifen, *in* A-00337
Cletoquine, C-00422
Cliprofen, C-00431
▷Clobetasol propionate, *in* C-00437
▷Clobetasone butyrate, *in* C-00437
Clobuzarit, C-00439
Clocinizine, C-00443
Clocortolone, C-00444

Clocortolone acetate, *in* C-00444
Clocortolone caproate, *in* C-00444
Clocortolone pivalate, *in* C-00444
▷Clofexamide, C-00455
▷Clometacin, C-00468
Clonixeril, *in* C-00479
▷Clonixin, C-00479
Clopirac, C-00487
Cloprednol, C-00489
Cloticasone, C-00509
Cloticasone propionate, *in* C-00509
Cloxacepride, C-00514
Cloximate, C-00519
▷Colchicine; (*S*)-*form*, *in* C-00534
Colfenamate, C-00535
Cormethasone, C-00544
Cormethasone acetate, *in* C-00544
Corticoderm, *in* F-00207
Corticoliberin, C-00545
▷Cortisol, C-00548
▷Cortisone, C-00549
▷Cortisone acetate, *in* C-00549
Cortisuzol, C-00550
Cortivazol, C-00551
Cromitrile, C-00564
CY 168*E*, *in* A-00259
Cyclic(*N*-methyl-L-alanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl-L-phenylalanyl), C-00592
▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
Cyclomethasone, C-00624
Dazidamine, D-00024
▷Deboxamet, D-00032
▷Deflazacort, D-00046
Delfantrine, D-00053
Deprodone propionate, *in* D-00348
Descinolone, D-00092
▷Descinolone acetonide, *in* D-00092
▷Desonide, D-00101
Desonide pivalate, *in* D-00101
▷Desoximetasone, D-00102
Detanosal, D-00105
▷Dexamethasone, D-00111
Dexamethasone; 21-Sulfate, *in* D-00111
Dexamethasone acefurate, *in* D-00111
▷Dexamethasone acetate, *in* D-00111
Dexamethasone diethylaminoacetate, *in* D-00111
▷Dexamethasone isonicotinate, *in* D-00111
Dexamethasone linoleate, *in* D-00111
Dexamethasone metasulphobenzoate, *in* D-00111
Dexamethasone palmitate, *in* D-00111
▷Dexamethasone phosphate, *in* D-00111
Dexamethasone pivalate, *in* D-00111
Dexamethasone succinate, *in* D-00111
Dexamethasone tert-butylacetate, *in* D-00111
Dexamethasone 21-(3,6,9-trioxaundecanoate), *in* D-00111
▷Dexamethasone valerate, *in* D-00111
▷Diacerein, *in* D-00309
Dichlorisone, D-00177
Dichlorisone acetate, *in* D-00177
2′,3′-Dichlorodiphenylamine-2-carboxylic acid, D-00188
▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199
2-[(2,3-Dichlorophenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
4-[(2,6-Dichlorophenyl)amino]-3-thiopheneacetic acid, D-00200
▷Diclofenac, D-00210
2-[2-(Diethylamino)ethyl]-*N*,*N*′-diphenylpropanediamide, D-00236
▷Difenamizole, D-00262
Diflorasone, D-00267
Diflorasone diacetate, *in* D-00267
Diflucortolone, D-00270
Diflucortolone pivalate, *in* D-00270
▷Diflucortolone valerate, JAN, *in* D-00270
▷Diflumidone, D-00271
▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272
Difluprednate, D-00273
4,5-Dihydroxyanthraquinone-2-carboxylic acid, D-00309
2,3-Dihydroxybenzoic acid, D-00315
▷2,5-Dihydroxybenzoic acid, D-00316
3,12-Dihydroxy-24-cholanoic acid, D-00321
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
▷5,7-Dihydroxy-4′-methoxyflavone, D-00329
11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, *in* M-00297
17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione; 16α-*form*, *in* D-00336
17,21-Dihydroxy-4-pregnene-3,20-dione, D-00349
Dimesone, D-00386
[1-[1-(Dimethylamino)ethyl]-1*H*-indol-3-yl]-1-propanone oxime, *in* D-00414
2-[(2,3-Dimethylphenyl)amino)-3-pyridinecarboxylic acid, *in* A-00326
2-[(2,6-Dimethylphenyl)amino]-3-pyridinecarboxylic acid, *in* A-00326
▷Dimethyl sulfoxide, D-00454
▷Diphenpyramide, D-00487
▷4,5-Diphenyl-2-oxazolepropanoic acid, D-00500
▷1,2-Diphenyl-4-[2-(phenylthio)ethyl)]-3,5-pyrazolidinedione, D-00501
▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
Dipyrone, D-00532
Ditazole, D-00545
Domoprednate, D-00574
Doxybetasol, D-00597
Drocinonide, D-00604
Droxicam, D-00615
Duometacin, D-00620
▷Emorfazone, E-00040
Endrysone, E-00052
▷Enfenamic acid, E-00054
Enolicam, E-00059
▷Epirizole, E-00083
Eprovafen, E-00092
Esculamine, E-00121
▷Etabenzarone, E-00131
N-(4-Ethoxyphenyl)-2-hydroxybenzamide, E-00170
Ethyl 5,6-bis-*O*-(4-chlorobenzyl)-3-*O*-propyl glucoside, E-00175
2-(5-Ethyl-2-pyridinyl)-1*H*-benzimidazole, E-00221
▷Ethyl salicylate, *in* H-00112
Etodolac, E-00245
▷Etofenamate, E-00248
Evandamine, E-00277
Feclobuzone, F-00026
Fenamifuril, F-00035
▷Fenclorac, F-00042
Fenclozate, *in* F-00043
▷Fenclozic acid, F-00043
▷Fendosal, F-00045
Fenflumizole, F-00049
▷Fenpipalone, F-00069
▷Fentiazac, F-00079
Fepradinol, F-00084
Flazalone, F-00113
▷Floctafenine, F-00119
▷Florifenine, F-00125
▷Fluazacort, F-00131
Fluclorolone acetonide, F-00138
▷Fludrocortisone, F-00147
▷Fludrocortisone acetate, *in* F-00147
▷Flufenamic acid, F-00148
Flufenisal, *in* F-00185
▷Flumethasone, F-00156
Flumethasone acetate, *in* F-00156
Flumethasone pivalate, *in* F-00156
Flumoxonide, F-00163
Flunisolide acetate, *in* F-00167
▷Flunisolide, F-00167

Flunixin, F-00169
▷Flunoxaprofen, F-00171
▷Fluocinolone, F-00172
▷Fluocinolone acetonide, *in* F-00172
▷Fluocinonide, F-00173
Fluocortin, F-00174
▷Fluocortin butyl, *in* F-00174
▷Fluocortolone, F-00175
Fluocortolone caproate, *in* F-00175
Fluocortolone pivalate, *in* F-00175
2-(2-Fluorenyl)propanoic acid, F-00179
Fluorometholone, F-00186
Fluorometholone acetate, *in* F-00186
Flupamesone, F-00196
Fluperolone, F-00201
Fluperolone acetate, *in* F-00201
Flupirtine, F-00204
Fluprednidene, F-00207
Fluprednisolone, F-00208
Fluprednisolone acetate, *in* F-00208
Fluprednisolone hemisuccinate, *in* F-00208
Fluprednisolone valerate, *in* F-00208
Fluprofen, F-00209
Fluproquazone, F-00211
Fluquazone, F-00213
Fluradoline, F-00214
▷Flurandrenolone, F-00215
▷Flurbiprofen, F-00218
Fluticasone, F-00227
Fluticasone propionate, *in* F-00227
▷Formocortal, F-00246
▷Ftaxilide, F-00268
Furcloprofen, F-00288
▷Furofenac, F-00295
Galosemide, G-00007
▷Glaucine; (*S*)-*form*, *in* G-00028
Glucametacin, G-00052
Glucurono-6,3-lactone, G-00059
Glycol salicylate, *in* H-00112
▷Glycyrrhetic acid, G-00072
▷Glycyrrhizic acid, G-00073
Gold sodium thiomalate, *in* M-00115
Guaimesal, G-00094
▷Halcinonide, H-00004
Halocortolone, H-00006
Halometasone, H-00010
Halopredone, H-00016
▷Halopredone acetate, *in* H-00016
Hydrocortamate, *in* C-00548
Hydrocortisone aceponate, *in* C-00548
▷Hydrocortisone acetate, *in* C-00548
▷Hydrocortisone bendazac, *in* C-00548
▷Hydrocortisone butyrate, *in* C-00548
▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548
Hydrocortisone cypionate, *in* C-00548
Hydrocortisone hemisuccinate, *in* C-00548
▷Hydrocortisone phosphate, *in* C-00548
Hydrocortisone tebutate, *in* C-00548
Hydrocortisone valerate, *in* C-00548
▷2-Hydroxybenzyl alcohol, H-00116
▷Hydroxychloroquine, H-00120
2-Hydroxydithiobenzoic acid, H-00127
▷*N*-(2-Hydroxyethyl)cinnamamide, H-00130
▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
2-Hydroxy-3-methylbenzamide, *in* H-00155
[(7-Hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-6-yl)oxy]acetic acid, *in* D-00332
3-Hydroxy-5-pregnen-20-one, H-00205
▷Ibufenac, I-00007
Ibuprofen, I-00008
Ibuproxam, I-00009
▷Indobufen, I-00060
Indometacin paracetamol ester, *in* I-00065
▷Indomethacin, I-00065
▷Indoprofen, I-00068
▷Intrazole, I-00087
Isamfazone, I-00174
▷Isonixin, I-00196
2-Isopropyl-4,8-dimethylazulene, I-00203
▷7-Isopropyl-1,4-dimethylazulene, I-00204
2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
▷Isoxepac, I-00216
Isoxicam, I-00217
▷Kebuzone, K-00006
▷Ketoprofen, K-00017
Ketorolac, K-00019
Leflunomide, L-00019
Lexofenac, L-00040
Lobenzarit, L-00066
Locicortone, L-00068
Loflucarban, L-00076
Lonazolac, L-00085
Lornoxicam, L-00098
Loxoprofen, L-00108
Lysine clonixinate, *in* C-00479
Mebenoside, M-00032
▷Meclofenamic acid, M-00045
Meclorisone, M-00049
Meclorisone dibutyrate, *in* M-00049
▷Medrysone, M-00060
▷Mefenamic acid, M-00062
Meloxicam, M-00082
Mepiprazole, M-00099
Meprednisone hydrogen succinate, *in* D-00336
▷Meprothixol, M-00106
▷Meseclazone, M-00132
Metbufen, M-00157
▷9-Methoxy-3-methyl-9-phenyl-3-azabicyclo[3.3.1]nonane, M-00203
Methoxymethyl salicylate, *in* H-00112
4-(6-Methoxy-2-naphthalenyl)-2-butanone, M-00206
▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235
1-Methyl-4-(4-methylpentyl)cyclohexanecarboxylic acid, M-00268
4-Methyl-*N*-[3-(4-morpholinyl)propyl]-6-(trifluoromethyl)-4*H*-furo[3,2-*b*]indole-2-carboxamide, M-00270
Methylniphenazine, M-00273
10-Methyl-10*H*-phenothiazine-2-acetic acid, *in* P-00168
α-Methyl-3-phenyl-7-benzofuranacetic acid, M-00286
α-Methyl-2-phenyl-6-benzothiazoleacetic acid, M-00287
5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293
▷Methylprednisolone, M-00297
Methylprednisolone aceponate, *in* M-00297
▷Mexolamine, M-00353
Mexoprofen, M-00354
Mobecarb, M-00411
▷Mofebutazone, M-00420
Mometasone furoate, *in* M-00426
▷Morazone, M-00439
Morniflumate, M-00444
Naflocort, N-00018
▷Naftypramide, N-00027
Naproxen, N-00048
Nicocortonide, N-00096
Nictindole, N-00107
▷Niflumic acid, N-00113
Nimazone, N-00145
▷Nimesulide, N-00146
Niometacin, N-00152
▷Niprofazone, N-00155
Nitraquazone, N-00167
Nivazol, N-00191
Nonivamide, N-00205
Norletimol, N-00220
9,12-Octadecadienoic acid, O-00007
Octazamide, *in* H-00049
▷Orgotein, O-00056
▷Orpanoxin, O-00063
Oxaceprol, *in* H-00210

▷Oxametacin, O-00082
Oxapadol, O-00088
Oxarbazole, O-00093
▷Oxepinac, O-00103
Oxindanac, O-00116
▷γ-Oxo-2-dibenzofuranbutanoic acid, O-00127
▷Oxolamine, O-00130
▷Oxyphenbutazone, O-00158
Palmidrol, P-00006
Paramethasone, P-00025
Paramethasone; 21-Phosphate, *in* P-00025
▷Paramethasone acetate, *in* P-00025
Paranyline, P-00026
▷Parsalmide, P-00041
Paxamate, P-00045
Pemedolac, P-00056
Perisoxal, P-00124
2-(3-Phenoxyphenyl)propanoic acid, P-00172
2-Phenyl-1,2-benzisoselenazol-3(2*H*)-one, P-00178
▷Phenylbutazone, P-00180
1-Phenyl-3-(1-piperidinyl)-2-pyrrolidinone, P-00199
▷2-Phenyl-4-quinolinecarboxylic acid, P-00206
▷Phthalazino[2,3-*b*]phthalazine-5,12(7*H*,14*H*)-dione, P-00222
Picobenzide, P-00237
Picumast, P-00244
▷Pifoxime, P-00249
Piketoprofen, P-00250
Pimetacin, P-00256
Pinadoline, P-00265
Pipebuzone, P-00276
Pirazolac, P-00315
▷Piroxicam, P-00351
▷Pirprofen, P-00355
Ponalrestat, P-00387
▷Pranoprofen, P-00400
Pranosal, P-00401
Prebediolone acetate, *in* H-00205
Prednazate, *in* P-00412
Prednicarbate, P-00410
Prednisolamate, *in* P-00412
▷Prednisolone, P-00412
▷Prednisolone acetate, *in* P-00412
Prednisolone *tert*-butylacetate, *in* P-00412
Prednisolone hydrogen tetrahydrophthalate, *in* P-00412
Prednisolone palmitate, *in* P-00412
Prednisolone piperidinoacetate, *in* P-00412
Prednisolone pivalate, *in* P-00412
Prednisolone stearoylglycolate, *in* P-00412
Prednisolone succinate, *in* P-00412
Prednisolone *m*-sulfobenzoate, *in* P-00412
▷Prednisolone valerate, *in* P-00412
▷Prednisolone valeroacetate, *in* P-00412
▷Prednisone, P-00413
▷Prednisone acetate, *in* P-00413
Prednisone palmitate, *in* P-00413
Prednisone succinate, *in* P-00413
Prednylidene, P-00414
Prednylidene diethylaminoacetate, *in* P-00414
Prefenamate, P-00415
Pregnenolone acetate, *in* H-00205
Pregnenolone succinate, *in* H-00205
Prifelone, P-00429
Prinomide, P-00439
Procinonide, P-00452
▷Prodolic acid, P-00461
Proglumetacin, P-00467
2-Propyl-5-thiazolecarboxylic acid, P-00517
▷Proquazone, P-00522
▷Protamines, P-00531
Protizinic acid, P-00539
Proxazole, P-00545
1*H*-Pyrazole-1-carboximidamide, P-00562
▷Pyricarbate, P-00568
Quinazopyrine, Q-00013
▷Ramifenazone, R-00007
Rimexolone, R-00057
Ristianol, R-00064
Romazarit, R-00080
Ruscogenin, *in* S-00128
▷Ruvazone, R-00107
Salazosulfathiazole, S-00010
▷Salbutamol, S-00012
Salfluverine, S-00014
▷Salicyloylsalicylic acid, S-00015
Salprotoside, S-00020
▷Sanguinarine, S-00022
Seclazone, S-00032
Sermetacin, S-00048
▷Serrapeptase, S-00050
▷Simetride, S-00073
▷Sodium aurotiosulfate, S-00084
Spirofylline, S-00122
▷Sudoxicam, S-00176
▷Sulindac, S-00225
▷Sulphasalazine, S-00253
Sulprosal, S-00260
▷Suprofen, S-00274
▷Suxibuzone, S-00283
Talmetacin, T-00011
▷Talniflumate, T-00013
Talosalate, T-00015
Tenidap, T-00068
Tenoxicam, T-00073
Tepoxalin, T-00077
▷Terofenamate, *in* M-00045
Tesicam, T-00098
Tesimide, T-00099
Tetriprofen, T-00155
Tetrydamine, *in* T-00119
2-[4-(2-Thiazolyloxy)phenyl]propanoic acid, T-00186
(1-Thioglucopyranosato)gold, T-00201
Thurfyl salicylate, *in* H-00112
Tianafac, T-00239
Tiaramide, T-00245
Tiflamizole, T-00264
Tilomisole, T-00276
Tiludronic acid, T-00280
Timegadine, T-00282
Timobesone, T-00286
Timobesone acetate, *in* T-00286
▷Tinoridine, T-00296
Tiopinac, T-00302
Tiopropamine, T-00303
Tioxaprofen, T-00308
Tipredane, T-00314
▷Tolfenamic acid, T-00349
▷Tolmetin, T-00353
Tomatidine, T-00374
Tomoxiprole, T-00378
Torasemide, T-00386
Tralonide, T-00394
▷Triamcinolone, T-00419
▷Triamcinolone acetonide, *in* T-00419
Triamcinolone benetonide, *in* T-00419
Triamcinolone furetonide, *in* T-00419
1,2,4-Triazino[5,6-*c*]quinoline, T-00424
Tribuzone, T-00430
2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298
Triclonide, T-00452
Triflocin, T-00459
Triflumidate, T-00461
8-(Trifluoromethyl)-10*H*-phenothiazine-1-carboxylic acid, T-00466
▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528
▷Ufenamate, U-00002
Ulobetasol, U-00006
Ulobetasol propionate, *in* U-00006
Wortmannin, W-00003
Wortmannin; 11-Deacetoxy, *in* W-00003

Ximoprofen, X-00015
Zaltidine, Z-00004
▷Zidometacin, Z-00012
Zomepirac, Z-00035
Zomepirac glycolate, *in* Z-00035

Antileprotic agents

Acediasulfone, A-00008
Antileprol, *in* C-00627
▷Bis(4-acetamidophenyl)sulfone, *in* D-00129
▷Clofazimine, C-00450
▷4,4′-Diaminodiphenyl sulfone, D-00129
Diathymosulfone, D-00146
Ditophal, D-00553
▷Glucosulfone, G-00057
▷7-Isopropyl-1,4-dimethylazulene, I-00204
▷2-Phthalimidoglutarimide, P-00223
▷Solapsone, S-00093
Sulfoxone, S-00223
▷Thiacetazone, *in* A-00210
▷Thiambutosine, T-00173
Thiocarlide, T-00198

Antimalarials

▷1-Aminocyclopentanecarboxylic acid, A-00230
Amodiaquine, A-00353
▷Amopyroquine, A-00358
Amquinate, *in* D-00238
▷Artemisinin, A-00452
Bispyroquine, B-00235
Brindoxime, B-00272
▷Chlorguanide, C-00204
▷Chloroquine, C-00284
Chlorproguanil, C-00297
▷Cinchonine, C-00358
Clociguanil, C-00442
Cloguanamil, C-00464
▷Cycloguanil, C-00603
2-Cyclohexyl-3-hydroxy-1,4-naphthoquinone, C-00613
2-(8-Cyclohexyloctyl)-3-hydroxy-1,4-naphthoquinone, C-00620
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, D-00123
4-[[2-(Diethylamino)ethyl]amino]benzo[*g*]quinoline, D-00233
Enpiroline, E-00064
Febrifugine, F-00023
Floxacrine, F-00127
Fluorenemethanol, F-00178
Halofantrine, H-00007
▷Hexachlorxylol, H-00041
Hydrocinchonine, *in* C-00358
▷Hydroquinidine, *in* Q-00027
▷Hydroxychloroquine, H-00120
Lapinone, L-00009
Mefloquine, M-00068
▷Methylchloroquine, M-00240
2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline, M-00259
Mirincamycin, M-00393
▷Ornidazole, O-00058
▷Pamaquine, P-00007
Pentaquine, P-00092
Pirlimycin, P-00339
▷Primaquine, P-00434
▷Pyrimethamine, P-00585
▷Quinacrine, Q-00010
▷Quinidine, Q-00027
▷Quinine, Q-00028
Quinine; Benzoyl, *in* Q-00028
Quinine ethylcarbonate, *in* Q-00028
▷Quinocide, Q-00029
Tebuquine, T-00046
▷2,4,7-Triamino-6-phenylpteridine, T-00420

Antimetabolites

▷Aminopterin, A-00324
Clociguanil, C-00442

Antimicrobials

Acediasulfone, A-00008
Acetomeroctol, A-00024
▷2-Bromo-2-nitro-1,3-propanediol, B-00310
▷Camphor, C-00023
▷Imperatorin, I-00045
▷Laurylisoquinolinium bromide, *in* I-00210
Lombazole, L-00077
Meralein, M-00111
▷Nidroxyzone, N-00108
▷Nifurzide, N-00137
▷Oleandomycin, O-00035
Permanganic acid, P-00127
▷2-Phenylethanol, P-00187
Pirtenidine, P-00358
Propamidine, P-00487
▷Sanguinarine, S-00022
▷Silver nitrate, S-00068
Succisulfone, S-00173
▷Sulphasomidine, S-00254
Tetrahydroxy-1,4-benzoquinone, T-00137

Antineoplastic agents

▷Aceglatone, *in* G-00053
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-3,4-dihydroxyphenylalanine ethyl ester, *in* A-00453
N-[*N*-Acetyl-4-[bis(2-chloroethyl)amino]phenylalanyl]-tyrosine ethyl ester, *in* A-00453
N-Acetyl-6-diazo-5-oxo-L-norleucine, *in* A-00238
3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene, A-00032
Acitretin, A-00041
▷Aclacinomycin *A*, A-00042
Acodazole, A-00045
▷Acodazole hydrochloride, *in* A-00045
▷Acronycine, A-00050
▷Actinomycin *C*, A-00054
▷Actinomycin C_2, A-00055
▷Actinomycin C_3, A-00056
▷Actinomycin *D*, A-00057
▷Actinoxanthine, A-00058
▷Adriamycin, A-00080
Aklavine, A-00089
Alanosine, A-00093
▷Alazopeptin, A-00095
▷Alloxan, A-00128
Ambamustine, A-00165
Ametantrone, A-00180
▷Amicetin, A-00187
4-Amino-*N*-(2-aminophenyl)benzamide, A-00208
2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, A-00220
▷1-Aminocyclopentanecarboxylic acid, A-00230
2′-Amino-2′-deoxyadenosine, A-00233
▷2-Amino-6-diazo-5-oxohexanoic acid; (*S*)-*form*, *in* A-00238
▷5-Amino-1,6-dihydro-7*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-one, A-00247
2-Amino-3-fluorobutanedioic acid, A-00257
▷4-Aminophenylarsonic acid, A-00302
▷3-(4-Aminophenyl)-3-ethyl-2,6-piperidinedione, A-00305
▷Aminopterin, A-00324
Amonafide, A-00356
▷Amsacrine, A-00373
Anaxirone, A-00378
Angiogenin, A-00384
▷Anthramycin, A-00403
2,2′-(9,10-Anthrylenedimethylene)bis(isothiourea), A-00404
Antibiotic AT 125, A-00405
▷Aphidicolin, A-00422
▷Asaphan, A-00453
▷Asparaginase, A-00458
Asperlin, A-00464

Asterriquinone, A-00467
2-Azaadenosine, A-00490
▷5-Azacytidine, A-00496
▷Azaserine, A-00509
▷6-Azauridine, A-00514
Azetepa, A-00517
▷2-(1-Aziridinyl)-1-vinylethanol, A-00527
▷Azotomycin, A-00531
Bactobolin *A*, B-00005
Becanthone, B-00021
▷Bendamustine, B-00044
Benzodepa, B-00091
▷Bestatin, B-00138
Bestrabucil, *in* O-00028
▷Bimolane, B-00166
Bisantrene, B-00191
▷1,4-Bis(3-bromo-1-oxopropyl)piperazine, B-00195
▷5-[Bis(2-chloroethyl)amino]-2,4(1*H*,3*H*)-pyrimidinedione, B-00197
▷*N*,*N*-Bis(2-chloroethyl)-2-naphthylamine, B-00198
▷*N*,*N*′-Bis(2-chloroethyl)-*N*-nitrosourea, B-00199
2,3-Bis(3-hydroxybenzyl)-1,4-butanediol, B-00215
▷Bleomycin A_1, B-00242
▷Bleomycin A_2, B-00243
▷Bleomycin B_2, B-00246
Bleomycin B_4, B-00245
▷Bleomycin A_5, B-00244
Bofumustine, B-00248
Bouvardin, B-00261
▷Bredinin, B-00267
Brequinar, B-00269
▷Bromacrylide, B-00281
Bromebric acid, B-00286
▷5-Bromo-2′-deoxyuridine, B-00296
3-Bromo-3-[*p*-(pentyloxy)benzoyl]acrylic acid, B-00312
Budotitane, B-00345
▷Busulphan, B-00379
Cabergoline, C-00002
▷Calusterone, *in* H-00123
Camptothecin, C-00024
Caracemide, C-00036
Carbetimer, C-00047
▷Carboplatin, C-00061
▷Carboquone, C-00063
▷Carfimate, *in* P-00204
Carminazone, *in* C-00081
▷Carminomycin I, C-00081
Carmofur, C-00082
▷Carzinophilin, C-00106
Cephaeline, C-00172
▷Chartreusin, C-00189
▷Chlorambucil, C-00194
▷*N*-(2-Chloroethyl)-*N*′-(2-hydroxyethyl)-*N*-nitrosourea, C-00237
Ciamexon, C-00318
Clanfenur, C-00408
▷Clerocidin, C-00421
▷Cordycepin, C-00543
Crisnatol, C-00560
Crotepoxide, C-00568
Cyanonaphthyridinomycin, C-00583
[1,1-Cyclobutanedicarboxylato(2−)](2-pyrrolidinemethanamine-N^{α},N^{1})platinum, C-00598
▷Cyclocytidine, C-00600
▷Cyclophosphamide, C-00634
▷Cytarabine, *in* C-00667
▷Cytidine diphosphate choline, C-00655
▷Dacarbazine, D-00001
Datelliptium(1+), D-00017
▷Daunomycin, D-00019
3′-Deamino-3′-(3-cyanomorpholino)doxorubicin, *in* A-00080
▷3-Deazauridine, D-00031
▷Defosfamide, D-00047
▷Demecolcine, D-00062
2′-Deoxy-5-azacytidine, D-00077
11-Deoxydoxorubicin, *in* A-00080
▷2′-Deoxy-5-fluorouridine, D-00079
(4′α)-4′-Deoxy-22-oxovincaleukoblastine, *in* V-00037
Deoxypodophyllic acid, D-00083
▷Detorubicin, D-00108
▷Dezaguanine, D-00115
▷Diacetoxyscirpenol, *in* A-00386
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-ethylpyrimidine, D-00123
▷2,4-Diamino-5-(3,4-dichlorophenyl)-6-methylpyrimidine, D-00124
▷2,5-Diamino-2-(difluoromethyl)pentanoic acid, D-00126
▷3,5-Diamino-1*H*-1,2,4-triazole, D-00137
Diamminedichloroplatinum, D-00139
▷Diaziquone, D-00150
▷1,6-Dibromo-1,6-dideoxygalactitol, D-00163
1,6-Dibromo-1,6-dideoxymannitol, D-00164
Dibrospidium (2+), D-00169
▷1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane, D-00180
▷2,2′-Dichloro-*N*-methyldiethylamine, D-00193
▷1,2:15,16-Diepoxy-4,7,10,13-tetraoxahexadecane, D-00225
Diethylstilbestrol, D-00257
5,14-Dihydrobenz[5,6]isoindolo[2,1-*b*]isoquinoline-8,13-dione, D-00279
▷2,3-Dihydro-1*H*-imidazo[1,2-*b*]pyrazole, *in* I-00032
▷1,7-Dihydro-6*H*-purine-6-thione, D-00299
5-[2-(Dimethylamino)ethoxy]-7*H*-benzo[*c*]fluoren-7-one, D-00409
1,4-Dimethyl-1,4-diphenyl-2-tetrazene, D-00429
Dimetipirium(1+), D-00458
Dimidium(1+), D-00460
Dinaphthimine, D-00464
Ditercalinium(2+), D-00546
Ditiomustine, *in* C-00222
▷DL 435, *in* A-00093
Doxifluridine, D-00595
Drostanolone propionate, *in* H-00153
Echinosporin, E-00005
▷Ellipticine, E-00027
▷Elliptinium(1+), E-00028
▷Enocitabine, *in* C-00667
▷Enpromate, E-00066
▷Epipropidine, E-00082
▷Epirubicin, *in* A-00080
2,3-Epithioandrostan-17-ol, E-00086
▷Esorubicin, *in* A-00080
▷Estradiol mustard, *in* O-00028
Estramustine, E-00127
▷Etanidazole, E-00139
▷Ethyl carbamate, E-00177
Ethyl *O*-[*N*-(*p*-carboxyphenyl)carbamoyl]mycophenolate, E-00178
N-(2-Ethylhexyl)-3-hydroxybutanamide, E-00192
▷Etoposide, E-00262
Eupachlorin acetate, *in* E-00270
Fagaronine, F-00009
Fazarabine, F-00020
Febrifugine, F-00023
Fludarabine, F-00142
Fluoromethotrexate, F-00187
▷5-Fluoro-2,4(1*H*,3*H*)-pyrimidinedione, F-00190
▷Flurocitabine, F-00219
Forfenimex, F-00243
Fostriecin, F-00260
Fotemustine, F-00261
▷Fotrin, F-00262
▷Gloxazone, G-00050
Goserelin, G-00081
▷Granaticin *A*, G-00085
▷Haematoporphyrin, H-00002
▷Harringtonine, H-00022
▷2,2,4,6,6,8-Hexamethyl-4,8-diphenylcyclotetrasiloxane, H-00056
Hexestrol diphosphate, *in* B-00220
Hisphen, H-00076

Hitachimycin, H-00081
8-Hydroxy-1(10),4,11(13)-germacratrien-12,6-olide, H-00134
▷2-Hydroxy-3-(3-methyl-2-butenyl)-1,4-naphthoquinone, H-00157
N-(4-Hydroxyphenyl)retinamide, H-00197
▷Hydroxystilbamidine, H-00213
▷Hydroxyurea, H-00220
▷Idarubicin, I-00016
▷Ifosfamide, I-00021
Ilmofosine, I-00022
▷Imidazole mustard, I-00030
▷Improsulfan, *in* I-00037
▷Indicine N-oxide, *in* I-00057
▷Inproquone, I-00075
Interferon, I-00079
Interleukin-1, I-00080
Interleukin-2, I-00081
Interleukin-3, I-00082
Interleukin-4, I-00083
Interleukin-6, I-00085
▷Iproplatin, I-00162
Jatrophone, J-00002
Ketotrexate, K-00021
Lavendamycin, L-00018
Lergotrile, L-00026
▷Leuprorelin, L-00035
▷Leurosidine, L-00036
▷Leurosine, L-00037
▷Lomustine, L-00083
▷Lonidamine, L-00086
Mafosfamide, M-00004
▷Mannomustine, M-00019
▷Mannosulfan, *in* M-00018
Maytanbutine, *in* M-00026
Maytanprine, *in* M-00026
▷Maytansine, M-00026
Medorubicin, *in* A-00080
Megestrol, *in* H-00174
▷Megestrol acetate, *in* H-00174
Melengestrol, M-00078
▷Melengestrol acetate, *in* M-00078
Melphalan, M-00084
▷Menogaril, M-00092
▷Mepitiostane, M-00100
5-(Mercaptomethyl)-2,4(1*H*,3*H*)-pyrimidinedione, M-00119
▷Metamelfalan, M-00149
Methasquin, M-00174
▷Methotrexate, M-00192
▷9-Methoxyellipticine, M-00198
8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid, M-00200
N-(3-Methyl-2-butenyl)adenosine, M-00234
6-(3-Methyl-2-butenyl)-1*H*-indole, M-00236
4-(*N*-Methylcarboxamido)-5-methylamsacrine, M-00239
▷6,6′-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], M-00250
4,4′-[1-Methyl-2-(2,2,2-trifluoroethyl)]-1,2-ethanediylbis[2-fluorophenol], *in* T-00089
Meturedepa, M-00345
▷Misonidazole, M-00395
▷Mithramycin, M-00397
Mitindomide, M-00398
▷Mitoclomine, M-00399
▷Mitocromin, M-00400
Mitogillin, M-00401
▷Mitoguazone, M-00402
▷Mitomalcin, M-00403
▷Mitomycin *C*, M-00404
▷Mitonafide, M-00405
▷Mitopodozide, *in* P-00376
Mitotenamine, M-00406
Mitozantrone, M-00407
▷Mitozolomide, M-00408
▷Mopidamol, M-00433
Motretinide, M-00456
Muroctasin, M-00472
▷Mycophenolic acid, M-00475
▷Nafoxidine, N-00021
Nandrolone 17-bis(2-chloroethyl)carbamate, *in* H-00185
▷Neocarzinostatin, N-00067
▷Neothramycin *A*, N-00072
Nimustine, N-00151
▷Nitracrine, N-00163
▷Nocodazole, N-00196
▷Nogalamycin, N-00198
▷Nonanedioic acid, N-00203
▷NSC 94600, *in* C-00024
4-O-Demethyl-11-deoxydoxorubicin, *in* A-00080
▷Olivomycin *A*, O-00038
Ornoprostil, O-00060
Oxaliplatin, O-00080
Oxendolone, O-00102
▷Oxisuran, O-00120
▷Oxophenarsine, O-00135
4-Oxo-2-phenyl-4*H*-1-benzopyran-8-acetic acid, O-00136
▷17-(1-Oxopropoxy)androst-4-en-3-one, *in* H-00111
Panomifene, P-00014
Paphencyl, P-00021
▷Pazelliptine, P-00046
▷Peliomycin, P-00053
Pentamustine, P-00089
▷Pentostatin, P-00105
▷Pepleomycin, P-00108
Phenaline, P-00140
Phenamet, P-00142
Phenestrol, *in* B-00220
▷Phosphemide, P-00214
Pimonidazole, P-00262
Piposulfan, P-00301
Piritrexim, P-00338
Piroxantrone, P-00350
▷Podophyllotoxin, P-00377
▷Porfiromycin, P-00388
▷Prednimustine, P-00411
Prednisolamate, *in* P-00412
▷Prednisolone, P-00412
Pretazettine, P-00425
▷Procarbazine, P-00448
Prolame, P-00471
Promegestone, P-00476
Prospidium(2+), P-00527
Pteroyltriglutamic acid, P-00555
▷Pumitepa, P-00556
▷Puromycin, P-00557
▷Pyrazinecarboxamide, *in* P-00560
1*H*-Pyrazole-1-carbothioamide, P-00561
1*H*-Pyrazole-1-carboxamide, *in* P-00563
▷Pyrazomycin, P-00566
1-[2-[2-(4-Pyridyl)-2-imidazoline-1-yl]ethyl]3-(4-carboxyphenyl)urea, P-00584
Quinespar, Q-00020
▷Rachelmycin, R-00001
Ranimustine, R-00010
▷Razoxane, R-00016
Rebeccamycin, R-00017
▷Retelliptine, R-00032
Retinoic acid, R-00033
2-Ribofuranosyl-4-selenazolecarboxamide, R-00039
▷Ritrosulfan, R-00068
▷Sanguinarine, S-00022
Schizophyllan, S-00030
▷Semustine, S-00041
▷Sibiromycin, S-00064
▷Sodium phosphate dibasic, *in* P-00219
Sparfosic acid, S-00108
▷Sparfosic acid; (*S*)-*form*, *in* S-00108
▷Sparsomycin, S-00109
Spergualin, S-00112
Spirogermanium, S-00123
▷Spiromustine, S-00124

Spiroplatin, S-00126
▷Steffimycin, S-00143
Stilbenemidine, S-00154
▷Streptonigrin, S-00162
▷Streptozotocin, S-00164
Sturamustine, S-00168
▷Tallysomycin *A*, T-00010
Tamoxifen, T-00023
Tauromustine, T-00033
Taxodione, T-00035
Taxodone, T-00036
▷Taxol, T-00037
▷Tegafur, T-00055
Temozolomide, T-00064
▷Teniposide, T-00071
Terfluranol, T-00089
Teroxirone, T-00096
▷Testolactone, T-00100
4′-*O*-(Tetrahydropyranyl)adriamycin, *in* A-00080
3,7,11,15-Tetramethyl-2,4,6,10,14-hexadecapentaenoic acid, T-00147
Tetrandrine, T-00152
▷Tetraplatin, T-00153
▷Thiamiprine, T-00178
▷4-Thiazolidinecarboxylic acid, T-00183
▷2,2′-Thiobisethanol, T-00195
▷Thioguanine, T-00202
▷Thiotepa, T-00211
Threitol, T-00219
▷Tiazofurine, T-00246
Tiprotimod, T-00319
Toremifene, T-00388
▷Treosulfan, *in* T-00219
Trestolone acetate, *in* N-00221
▷Tretamine, T-00416
▷1,2,4-Triazine-3,5(2*H*,4*H*)-dione, T-00422
Triciribine, T-00445
▷Trifosfamide, T-00469
Trimetrexate, T-00514
▷Triptolide, T-00530
Triptorelin, T-00531
▷Tris(1-aziridinyl)-1,4-benzoquinone, T-00533
▷Tris(2-chloroethyl)amine, T-00534
▷Tris(dimethylamino)-1,3,5-triazine, T-00535
Tubulozole, T-00572
Tumour necrosis factor, T-00575
Ungeremine, U-00009
▷Uredepa, U-00012
▷Verrucarin *A*, V-00023
▷Vinblastine, V-00032
▷Vincristine, V-00037
▷Vindesine, *in* V-00032
▷Vinformide, V-00039
▷Vinglycinate, *in* V-00032
Vinorelbine, V-00041
Vintriptol, V-00045
Vinzolidine, V-00048
Withaferin *A*, W-00002
▷Xanthocillin *X*, X-00005
(Xylosylamino)benzoic acid, X-00025
Zindoxifene, Z-00020
▷Zorubicin, *in* D-00019

Antioestrogens

Acefluranol, A-00009
Clometherone, C-00469
Clomifenoxide, *in* C-00471
▷Clomiphene, C-00471
Delmadinone acetate, *in* D-00054
Dimepregnen, D-00381
Droloxifene, D-00607
2,3-Epithioandrostan-17-ol, E-00086
[6-Hydroxy-2-(4-hydroxyphenyl)benzo[*b*]thien-3-yl][4-[2-(1-pyrrolidinyl)ethoxy]phenyl]methanone, H-00140
▷Mepitiostane, M-00100
▷Nafoxidine, N-00021
▷Nitromifene, N-00182
Panomifene, P-00014
Raloxifene, R-00005
Tamoxifen, T-00023
Trioxifene, T-00520
Zindoxifene, Z-00020

Antiparkinsonian agents

1-(1-Adamantyl)-2-azetidinecarboxylic acid, A-00062
Almoxatone, A-00140
▷1-Aminoadamantane, A-00206
2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid, A-00248
▷Balipramine, B-00007
▷Benserazide, B-00064
Benzetimide, B-00080
Benzhexol, B-00081
▷Benztropine, B-00104
▷Biperiden, B-00175
Botiacrine, B-00260
Bufenadrine, B-00347
▷1-*tert*-Butyl-4,4-diphenylpiperidine, *in* D-00503
▷Caramiphen, C-00037
▷Carbidopa, C-00050
▷Chlorphenoxamine, C-00294
Ciladopa, C-00341
Clofenetamine, C-00452
Delergotrile, D-00052
▷Diethazine, D-00227
2-(Diethylamino)ethyl diphenylcarbamate, D-00235
3,5-Dimethyl-1-adamantanamine, D-00402
N,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449
▷1,1-Diphenyl-3-(1-piperidinyl)-1-propanol, D-00511
Dopamantine, D-00578
Elantrine, E-00021
▷Ethopropazine, E-00160
Etoperidone, E-00261
Flunamine, F-00164
Halonamine, H-00011
1-Isopropyl-4,4-diphenylpiperidine, I-00206
Lometraline, L-00079
Mazaticol, M-00028
▷Methixene, M-00185
▷Minepentate, M-00385
Naproxen, N-00048
Naxagolide, N-00053
Omidoline, O-00045
▷Orphenadrine, O-00064
Pergolide, P-00119
▷Pheneturide, P-00153
▷Phenglutarimide, P-00155
2-(1-Piperazinyl)quinoline, P-00286
▷Piribedil, P-00324
▷Piroheptine, P-00346
▷Procyclidine, P-00455
Prolyl-*N*-methylleucylglycinamide, P-00474
▷4-Propyl-4-heptylamine, P-00515
Talipexole, T-00009
Tigloidine, *in* T-00270
Tiomergine, T-00300
Tofenacin, T-00339
Traboxopine, T-00392
Tropatepine, T-00550
Tropigline, T-00553
Valperinol, V-00005

Antiprotozoals

Abunidazole, A-00003
▷Acetarsol, *in* A-00271
Amicarbalide, A-00186
(3-Amino-4-hydroxyphenyl)arsinous dichloride, A-00270
1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-picolinium(1+), A-00323

Aminoquinol, A-00331
Arsthinol, A-00451
Bamnidazole, *in* M-00344
▷Benznidazole, B-00089
1,3-Bis(4-amidinophenyl)triazene, B-00187
Buparvaquone, B-00366
Caerulomycin, C-00006
▷Carnidazole, C-00083
6-Chloro-9-[[3-(diethylamino)-2-hydroxypropyl]amino]-2-methoxyacridine, C-00229
▷Clerocidin, C-00421
Clorsulon, C-00503
▷Conessine, C-00540
▷2,5-Diamino-2-(difluoromethyl)pentanoic acid, D-00126
▷3,5-Dichloro-2,6-dimethyl-4(1*H*)-pyridinone, D-00187
▷1,2-Dimethyl-5-nitro-1*H*-imidazole, D-00435
Fexinidazole, F-00098
▷Flubendazole, F-00133
Flunidazole, F-00166
▷Furaltadone, F-00281
▷Furazolidone, F-00284
▷Gloxazone, G-00050
▷Glucantime, *in* D-00082
Halofuginone, H-00009
Hexetidine, H-00064
(2-Hydroxyethyl)tetradecylammonium(1+), H-00133
▷Hydroxystilbamidine, H-00213
Imidocarb, I-00034
Isometamidium(1+), I-00191
▷2-Isopropyl-1-methyl-5-nitroimidazole, I-00209
Mepartricin A, *in* P-00042
▷Metronidazole, M-00344
Metronidazole benzoate, *in* M-00344
Metronidazole hydrogen succinate, *in* M-00344
Metronidazole phosphate, *in* M-00344
▷Misonidazole, M-00395
▷Monensin, M-00428
▷Moxipraquine, M-00465
▷Moxnidazole, M-00467
▷Neoarsphenamine, N-00066
▷Nifuratel, N-00118
Nifuroxime, *in* N-00177
Nifursemizone, N-00131
▷Nifursol, N-00132
▷Nihydrazone, N-00139
▷Nimorazole, N-00150
▷4-Nitrophenylarsonic acid, N-00184
▷Panidazole, P-00013
▷Pentamidine, P-00086
Pinafide, P-00266
▷Polybenzarsol, *in* H-00190
Propamidine, P-00487
Propenidazole, P-00494
Pyritidium(2+), P-00589
Quinuronium(2+), Q-00037
▷Robenidine, R-00069
▷Ronidazole, R-00084
▷Stibamine glucoside, S-00148
4′-Stibinoacetanilide, *in* A-00212
Stibosamine, *in* A-00212
Stilbamidine, *in* S-00153
Sulnidazole, S-00229
▷Tenonitrozole, T-00072
▷Tinidazole, T-00293
Tivanidazole, T-00327
▷Violacein, V-00049

Antipyretics

Acetaminosalol, *in* H-00112
▷*p*-Acetanisidide, *in* M-00195
▷2-Acetoxybenzoic acid, A-00026
▷*N*-Acetyl-2-hydroxybenzamide, A-00033
Acetylsalol, *in* A-00026
▷Alclofenac, A-00103
4-(4′-Aminobenzamido)antipyrine, A-00211
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287
▷Aminopyrine, A-00327
N-Antipyrinylsalicylamide, A-00416
▷Azapropazone, A-00507
▷Benorylate, B-00057
▷2*H*-1,3-Benzoxazine-2,4(3*H*)-dione, B-00097
1-Benzoyl-2-methyl-3-indoleacetic acid, *in* M-00263
▷2-(5-Benzoyl-2-thienyl)propanoic acid, B-00099
Benzpiperylone, B-00100
▷Benzydamine, B-00105
▷Bermoprofen, B-00136
4-Biphenylacetic acid, B-00176
2,3-Bis(acetyloxy)benzoic acid, *in* D-00315
2,3-Bis(4-methoxyphenyl)-1*H*-indole, B-00227
▷Bucloxic acid, B-00341
▷Bufexamac, B-00350
▷Bufezolac, *in* D-00515
Bumadizone, B-00353
Butanixin, B-00391
▷Carprofen, C-00099
5-Chloro-6-cyclohexyl-2(3*H*)-benzofuranone, C-00224
▷6-Chloro-5-cyclohexyl-1-indanecarboxylic acid, C-00225
4-(4-Chlorophenyl)-5-methyl-1*H*-imidazole, C-00269
▷Chlorthenoxazin, C-00303
▷Choline salicylate, *in* H-00112
▷Choline salicylate, *in* H-00112
Cinaproxen, C-00356
Ciproquazone, C-00392
Clopirac, C-00487
Cloracetadol, C-00492
Colfenamate, C-00535
▷2-(4-Cyclohexylphenyl)propanoic acid, C-00621
Detanosal, D-00105
Dibupyrone, D-00170
▷2-(2,4-Dichlorophenoxy)benzeneacetic acid, D-00199
▷Diclofenac, D-00210
▷2′,4′-Difluoro-4-hydroxy-3-biphenylcarboxylic acid, D-00272
▷1,2-Dihydro-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00284
1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00286
2,3-Dihydroxybenzoic acid, D-00315
Dipyrone, D-00532
▷Epirizole, E-00083
▷Etersalate, E-00144
2-(2-Ethoxyethoxy)benzamide, E-00164
▷*N*-(4-Ethoxyphenyl)acetamide, *in* E-00161
N-(4-Ethoxyphenyl)-2-hydroxybenzamide, E-00170
N-(4-Ethoxyphenyl)-2-hydroxypropanamide, *in* H-00207
1-Ethyl-1,2,3,4-tetrahydroquinoline, E-00223
Famprofazone, F-00016
Feclobuzone, F-00026
Fenclozate, *in* F-00043
▷Fenclozic acid, F-00043
▷Fendosal, F-00045
▷Fentiazac, F-00079
▷Flurbiprofen, F-00218
Glucametacin, G-00052
Guacetisal, G-00089
Guaimesal, G-00094
▷4-Hydroxyacetanilide, *in* A-00298
4-(2-Hydroxybenzoyl)morpholine, H-00115
▷2-Hydroxy-*N*-isopropylbenzamide, H-00145
2-Hydroxy-3-methylbenzamide, *in* H-00155
2-Hydroxy-*N*-phenylbenzamide, *in* H-00112
▷Ibufenac, I-00007
Ibuproxam, I-00009
▷Indomethacin, I-00065
2-(2-Isopropyl-5-indanyl)propanoic acid, I-00207
Leflunomide, L-00019
Lonaprofen, L-00084
▷Meclofenamic acid, M-00045
▷Mefenamic acid, M-00062
▷Meseclazone, M-00132

▷Metergoline, M-00159
2-Methoxybenzoic acid, M-00196
2-(6-Methoxy-2-naphthyl)-1-propanol, M-00207
▷4-(3-Methyl-2-butenyl)-1,2-diphenyl-3,5-pyrazolidinedione, M-00235
Methyl 2-hydroxybenzoate; Benzoyl, *in* M-00261
5-Methyl-1-phenyl-2(1*H*)-pyridinone, M-00293
▷Miroprofen, M-00394
▷Morazone, M-00439
Neocinchophen, *in* M-00295
▷Nifenazone, N-00112
Niometacin, N-00152
▷Niprofazone, N-00155
Octazamide, *in* H-00049
Oxapadol, O-00088
▷Oxepinac, O-00103
▷Oxyphenbutazone, O-00158
Paracetamol thenoate, *in* A-00298
▷Phenazocine, P-00147
2-(3-Phenoxyphenyl)propanoic acid, P-00172
▷Phenylbutazone, P-00180
▷2-Phenyl-4-quinolinecarboxylic acid, P-00206
▷1-Phenylsemicarbazide, P-00207
▷Pifoxime, P-00249
Piperylone, P-00296
▷Piroxicam, P-00351
Propacetamol, P-00485
▷Propyphenazone, P-00519
▷Ramifenazone, R-00007
▷Salicyloylsalicylic acid, S-00015
Salmisteine, *in* A-00031
Saloquinine, *in* Q-00028
▷Simetride, S-00073
Sulfamazone, S-00195
▷Sulindac, S-00225
Sulprosal, S-00260
Sumacetamol, S-00267
Talmetacin, T-00011
1,2,3,4-Tetrahydro-1-methylquinoline, T-00127
Tianafac, T-00239
▷Tinoridine, T-00296
Tiopinac, T-00302
▷1,3,4-Triphenyl-1*H*-pyrazole-5-acetic acid, T-00527
1,3,5-Triphenyl-1*H*-pyrazole-4-acetic acid, T-00528
▷Viminol, V-00030
Ximoprofen, X-00015

Antiseptics

▷3-Acetoxyphenol, *in* B-00073
▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131
1-Amino-3-(decyloxy)-2-propanol, *in* A-00317
Bensalan, B-00063
▷1.3-Benzenediol, B-00073
▷1.4-Benzenediol, B-00074
Benzethonium(1+), B-00079
▷Benzoic acid, B-00092
▷Benzoxiquine, *in* H-00211
Benzyldimethyldodecylammonium(1+), B-00113
Benzyldimethyl(tetradecyl)ammonium(1+), B-00116
Benzylhexadecyldimethylammonium(1+), B-00118
▷4-(Benzyloxy)phenol, B-00124
Bibrocathol, B-00152
Biclotymol, B-00155
Broxaldine, *in* D-00166
4-*tert*-Butyl-2-chloromercuriphenol, B-00429
▷Carbon dioxide, C-00057
Cethexonium(1+), C-00182
▷Chloro(2-hydroxyphenyl)mercury, C-00247
▷4-Chloro-3-methylphenol, C-00256
▷*N*-(4-Chlorophenyl)-*N'*-(3,4-dichlorophenyl)urea, C-00262
Chlorphenoctium(1+), C-00293
▷Cineole, C-00360
Cloponone, C-00488
2-Cyclohexyl-3,5-dimethylphenol, C-00608
▷3,6-Diaminoacridine, D-00120
2,6-Diamino-2'-butyloxy-3,5'-azopyridine, D-00121
3,9-Diamino-7-ethoxyacridine, D-00130
▷1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, D-00203
Dicresulene, D-00216
▷1-(Diethylamino)-3-[(2,3-dimethoxy-6-nitro-9-acridinyl)-amino]-2-propanol, D-00231
Disiquonium(1+), D-00534
2,2'-Dithiobis[*N*-butylbenzamide], D-00549
Dodeclonium(1+), D-00565
(4-Dodecylbenzyl)trimethylammonium(1+), D-00566
Dodecyldimethyl-2-phenoxyethylammonium(1+), D-00567
Dofamium(1+), D-00569
Drazidox, *in* M-00304
N-Ethyl-*N*,*N*-dimethyl-1-hexadecanaminium, E-00182
Ethyl(2-mercaptobenzoato-*S*)mercury, E-00198
Fludazonium(1+), F-00143
▷Formaldehyde, F-00244
▷Guaietolin, G-00093
Hexadecylpyridinium(1+), H-00043
Hexadecyltrimethylammonium(1+), H-00044
Hexafluorenium(2+), H-00046
Hexamidine, H-00058
9-[4-(Hexyloxy)phenyl]-10-methylacridinium(1+), H-00074
▷Hydrogen peroxide, H-00100
2-Hydroxydithiobenzoic acid, H-00127
(2-Hydroxyethyl)tetradecylammonium(1+), H-00133
▷2-Hydroxy-3-methylbenzoic acid, H-00155
▷2-Hydroxypropanoic acid, H-00207
▷8-Hydroxyquinoline, H-00211
Ichthammol, I-00010
Lauralkonium(1+), L-00014
Lauroguadine, L-00016
Laurolinium(1+), L-00017
Merbromin, M-00113
▷Mercury amide chloride, M-00124
Metalkonium(1+), M-00147
2-Methoxybenzoic acid, M-00196
Methylbenzethonium(1+), M-00229
Octaphonium(1+), O-00015
Octenidine, O-00020
▷Pentanedial, P-00090
▷Phenol, P-00161
Pirralkonium(1+), P-00357
▷Povidone-Iodine, *in* P-00393
Propamidine, P-00487
Romifenone, R-00081
Sepazonium(1+), S-00043
▷Tetraiodoethylene, T-00141
Tetraiodophenolphthalein, T-00142
Thimerfonate, T-00191
▷Thiofuradene, T-00200
Thonzonium(1+), T-00217
Toloconium(1+), T-00357
▷2,2,2-Trichloro-1,1-ethanediol, T-00433
▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440
▷1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, T-00442
Triclobisonium(2+), T-00448
▷Triiodomethane, T-00486
Trimethyltetradecylammonium(1+), T-00512
▷Urea, U-00011

Antispasmodics

Acefylline, A-00011
Aceverine, *in* A-00300
Adamexine, A-00065
Ambamustine, A-00165
▷Ambucetamide, A-00173
▷Ambutonium(1+), A-00175
Amifloverine, A-00194
Amikhelline, A-00197
▷Aminopentamide, A-00296
Amisulpride, A-00347

Amixetrine, A-00350
Amprotropine, A-00371
▷Aprofene, A-00431
Azaftozine, A-00497
Azaspirium(1+), A-00510
▷Baclofen, B-00003
Bencyclane, B-00042
▷1,3,5-Benzenetriol, B-00076
▷2-Benzylbenziimidazole, B-00107
2-Benzyl-4-(diethylamino)butanoic acid, B-00111
Bevonium(1+), B-00147
Bietamiverine, B-00160
Bifepramide, B-00162
▷2-(4-Biphenylyl)butanoic acid, B-00179
▷Bornaprine, B-00255
Bornaprolol, B-00256
▷BS 7020a, *in* D-00087
Burodiline, B-00376
Butaverine, B-00396
Butethamate, B-00399
Butinoline, B-00407
Butropium(1+), B-00425
▷α-*sec*-Butyl-α-phenyl-4-piperidinobutyronitrile, B-00431
▷Butylscopolammonium bromide, *in* S-00031
▷Camiverine, C-00021
▷Camylofin, *in* D-00234
▷Caramiphen, C-00037
▷Carisoprodol, C-00078
Caroverine, C-00090
Carpronium(1+), C-00100
▷Chloracyzine, C-00192
▷5-Chloro-2(3*H*)-benzoxazolone, C-00218
2-Chloro-9-[(3-dimethylamino)propanoyl]-9*H*-thioxanthene, C-00233
▷Chlorphenesin carbamate, *in* C-00261
Ciclonicate, *in* T-00506
Ciclonium(1+), C-00330
Ciclotropium(1+), C-00335
Cimetropium(1+), C-00351
Cinnamaverine, C-00370
Clebopride, C-00414
Clidafidine, C-00424
Clobenztropine, C-00436
Clofeverine, C-00454
Codopectyl, *in* D-00403
▷Cyclandelate, C-00586
Cyclarbamate, C-00587
Cyclodrine, C-00601
α-[[(3-Cyclohexyl-1-methylpropyl)amino]methyl]-3-hydroxybenzyl alcohol, C-00619
(4-Cyclopentyl-4-hydroxy-3-oxo-4-phenylbutyl)-ethyldimethylammonium(1+), C-00632
▷4-(Decyloxy)-3,5-dimethoxybenzamide, D-00042
Demelverine, *in* D-00491
Denaverine, D-00071
Denzimol, D-00076
Dibutoline(1+), D-00171
Dicyclomine, D-00218
▷2-[2-(Diethylamino)ethoxy]benzanilide, D-00232
2-(Diethylamino)ethyl diphenylcarbamate, D-00235
N,*N*-Diethyl-*N*-methyl(10-phenothiazinylcarbonyl)-methylammonium(1+), D-00247
▷Difemerine, D-00261
Dihexyverine, D-00276
▷5,7-Dihydroxy-4′-methoxyflavone, D-00329
Diisopromine, D-00366
2-(3,5-Dimethoxyphenoxy)ethanol, D-00399
3-(2,4-Dimethoxyphenyl)-2-butenoic acid, D-00400
2-(Dimethylamino)ethyl benzilate, D-00410
▷*N*,6-Dimethyl-5-hepten-2-amine, *in* M-00256
Dimetipirium(1+), D-00458
▷Dimoxyline, D-00463
Dioxaphetyl butyrate, D-00474
Dipenine(1+), D-00480
Diphemanil (1+), D-00482
1,1-Diphenyl-3-piperidino-1-butanol, D-00507
1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, D-00512
Dipiproverine, D-00517
Diprofene, D-00521
▷Diprophylline, D-00523
Diproteverine, D-00527
Dotefonium(1+), D-00587
Droclidinium(1+), D-00605
▷Drofenine, D-00606
Drotaverine, D-00611
Emepronium(1+), E-00035
Emetonium(1+), E-00037
▷Eperisone, E-00072
Erythrityl tetranitrate, *in* E-00114
▷Ethaverine, E-00150
N-Ethyl-3,3′-diphenyldipropylamine, E-00184
Etipirium(1+), E-00238
Febuverine, F-00024
Feclemine, F-00025
▷Fenaclon, F-00031
▷Fenalamide, F-00033
Fenclexonium(1+), F-00041
▷Fenimide, F-00053
Fenocinol, F-00060
Fenoverine, F-00065
▷Fenpipramide, F-00070
Fenpiprane, F-00071
Fentonium(1+), F-00081
▷Flavamine, F-00109
Flavoxate, F-00112
Flutropium(1+), F-00233
Guaiactamine, G-00091
Heptaverine, H-00031
Hexadiphenium(1+), H-00045
Hexasonium(1+), H-00062
2-Hydroxy-*N*,*N*,*N*,*N*′,*N*′,*N*′-hexamethyl-1,3-propanediaminium diiodide, *in* D-00135
▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
▷Hyoscine methobromide, *in* S-00031
Ibuverine, *in* C-00614
Idanpramine, I-00015
Ipragratine, I-00153
Ipratropium(1+), I-00155
Isoaminile, I-00177
▷Isochondodendrine, I-00182
Isomylamine, I-00194
▷Isopropamide(1+), I-00199
▷Khellin, K-00022
Leiopyrrole, L-00020
Levophenacylmorphan, L-00039
▷Lopirazepam, L-00088
▷Mannitol hexanitrate, *in* M-00018
▷Mebeverine, M-00033
▷Mecinarone, M-00043
Meladrazine, M-00073
Mepenzolate(1+), M-00094
▷Mesopin, *in* H-00082
▷Metaxalone, M-00152
▷Metcaraphen, M-00158
Methantheline(1+), M-00169
Methindizate, M-00181
▷Methixene, M-00185
▷Methocarbamol, *in* G-00095
5-Methoxy-1,3-benzenediol, *in* B-00076
3-Methyl-4*H*-1-benzopyran-4-one, M-00231
▷3-Methyl-1-butyl nitrite, M-00237
N-(1-Methylethyl)-4,4-diphenylcyclohexanamine, *in* D-00490
α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine, M-00269
▷3-(2-Methylphenoxy)-1,2-propanediol, M-00283
Metocinium(1+), M-00326
Micinicate, M-00362
Milverine, M-00379
Mobenzoxamine, M-00412
Moxaverine, M-00461
▷Myrtecaine, M-00478

Nafiverine, N-00017
Niceverine, N-00091
Nitrarine, N-00168
Octamylamine, O-00013
▷Octatropine methylbromide, O-00018
Octaverine, O-00019
Octibenzonium(1+), O-00021
Otilonium(1+), O-00069
Oxapium(1+), O-00089
Oxitefonium(1+), O-00121
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, O-00125
Oxpheneridine, O-00143
Oxybutynin, O-00147
Oxyphencyclimine, O-00159
Oxyphenonium(1+), O-00161
Oxypyrronium(1+), O-00163
Oxysonium(1+), O-00165
Parapenzolate(1+), P-00028
Pargeverine, P-00035
Pentamoxane, P-00088
Pentapiperide, P-00091
Penthienate, P-00095
▷Phencarbamide, P-00150
N-(1-Phenylheptyl)-3-pyridinecarboxamide, P-00190
▷Pimethixene, P-00257
Pimetremide, P-00259
Pinaverium(1+), P-00267
▷Pipenzolate(1+), P-00279
▷Piperidolate, P-00290
Piperilate, P-00291
Piperylone, P-00296
Pipoxolan, P-00304
Pitofenone, P-00359
Poldine, P-00378
Prenoverine, P-00421
Prifinium(1+), P-00430
▷Procyclidine, P-00455
▷Promoxolan, P-00481
Propantheline, P-00492
Properidine, P-00498
Propiverine, P-00507
Propyromazine(1+), P-00520
Proquamezine, P-00521
Prospasmin, P-00526
Pyrophendane, P-00591
Quinicine, Q-00026
Rociverine, R-00071
Sabeluzole, S-00001
Secoverine, S-00033
Sevitropium(1+), S-00059
Sintropium(1+), S-00081
Spiroxepin, S-00133
Stilonium(1+), S-00155
▷Styramate, S-00169
Sultroponium, S-00265
Terbutaline dipivalate, *in* T-00084
Thiotetrabarbital, T-00212
Thiphenamil, T-00215
Tiemonium(1+), T-00257
▷Tifemoxone, T-00263
Timepidium(1+), T-00284
Tipetropium(1+), T-00312
Tiquizium(1+), T-00321
Tizanidine, T-00330
▷Tolperisone, T-00364
Trantelinium(1+), T-00399
Treptilamine, T-00414
Tridihexethyl(1+), T-00454
3-(2,4,5-Triethoxybenzoyl)propanoic acid, T-00456
▷1-(2,4,6-Trihydroxyphenyl)-1-propanone, T-00479
Trimebutine, T-00491
Trixolane, T-00542
Tropatepine, T-00550
Tropenziline(1+), T-00551
Tropine tropate, T-00554
Trospium(1+), T-00558
Valethamate(1+), V-00003
Vetrabutine, V-00027
Xenytropium(1+), X-00011

Antithyroid agents

▷2-Aminothiazole, A-00336
▷Carbimazole, C-00051
▷2,3-Dihydro-5-iodo-2-thioxo-4(1*H*)-pyrimidinone, D-00287
▷1,3-Dihydro-1-methyl-2*H*-imidazole-2-thione, D-00289
▷2,3-Dihydro-6-methyl-2-thioxo-4(1*H*)pyrimidinone, D-00293
▷2,3-Dihydro-6-propyl-2-thioxo-4(1*H*)-pyrimidinone, D-00298
3,5-Diiodotyrosine, D-00365
▷2-Mercaptothiazoline, M-00121
Mipimazole, M-00392
6-Phenyl-2-thiouracil, P-00209

Antitussives

Aceprometazine, A-00016
▷Alloclamide, A-00126
Amicibone, A-00188
Bencisteine, B-00040
Benproperine, B-00061
▷Benzonatate, B-00094
Besedan, *in* C-00198
▷Bezitramide, B-00149
Bibenzonium(1+), B-00151
Butamyrate, B-00389
Butorphanol, B-00417
▷Caramiphen, C-00037
Carbetapentane, C-00046
Carperidine, C-00092
▷Chlophedianol, C-00191
Cistinexine, C-00399
▷Clobutinol, C-00438
Clofaminol, *in* H-00029
▷Cloperastine, C-00482
Cloroqualone, C-00500
▷Codeine, C-00525
Codopectyl, *in* D-00403
Codoxime, C-00527
2-(1-Cyclopentenyl)-2-(2-morpholinoethyl)cyclopentanone, C-00628
▷Dextromethorphan, *in* H-00166
3,6-Di-*tert*-butyl-1-naphthalenesulfonic acid, D-00173
▷Dihydrocodeine, *in* D-00294
Dimemorfan, D-00379
Dimenoxadole, D-00380
Dimethoxanate, D-00397
▷6-Dimethylamino-4,4-diphenyl-3-hexanone, D-00407
Dioxethedrin, D-00476
▷Doxofylline, D-00596
Dropropizine, D-00610
▷Drotebanol, D-00612
Droxypropine, D-00616
Eprazinone, E-00091
▷Eprozinol, E-00094
Etaminile, E-00136
Ethyl dibunate, *in* D-00173
▷Ethylmorphine, *in* M-00449
Etofuradine, E-00252
Fedrilate, F-00027
▷Flualamide, F-00129
Fluciprazine, F-00137
Fominoben, F-00240
▷Glaucine; (*S*)-*form*, *in* G-00028
▷Guaiapate, G-00092
Guaimesal, G-00094
▷Guaiphenesin, G-00095
Guaistene, G-00096
Homarylamine, *in* M-00253
▷Hydrocodone, *in* H-00102
Iquindamine, I-00168

Isoaminile, I-00177
▷Isomethadone, I-00193
Lefetamine, *in* D-00492
Levomethorphan, *in* H-00166
Medazonamide, M-00054
Mefenidramium(1+), M-00064
Menglytate, M-00090
▷Meprothixol, M-00106
10-(Methylsulfonyl)decanenitrile, M-00307
▷Mofoxime, M-00421
▷Morclofone, M-00440
Moxazocine, M-00462
Myfadol, M-00476
Narceine, N-00051
Narcotine, N-00052
▷Nicocodine, N-00095
Nicodicodine, *in* N-00095
Oxabrexine, O-00073
▷Oxeladin, O-00101
1-(2-Oxocyclohexyl)-2-naphthol, O-00126
▷Oxomemazine, O-00132
Pemerid, P-00057
▷Pholcodine, P-00212
Picoperine, P-00239
Pipazethate, P-00275
Pituxate, P-00361
▷Profadol, P-00462
Promolate, P-00480
Propinetidine, P-00503
▷Propoxyphene, P-00512
Proxazole, P-00545
Proxorphan, P-00549
Suxemerid, S-00281
Taziprinone, T-00042
▷Thebacon, T-00161
▷Tipepidine, T-00311
Ubisindine, U-00001
Vadocaine, V-00001
▷Viminol, V-00030
Xyloxemine, X-00026
Zipeprol, Z-00023

Antiulcerogenic agents

▷Aceglutamide aluminum, *in* A-00012
Acetylenoxolone, *in* G-00072
2-(Acetyloxy-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-acetamide, *in* R-00097
Asperlicin, A-00463
Benexate, B-00048
Bentipimine, B-00068
Bifemelane, B-00161
▷Brocresine, B-00275
▷BS 7020a, *in* D-00087
3-[(*p*-Butoxybenzoyl)oxy]-2-methylbutyl]triethylammonium(1+), B-00420
▷Carbenoxolone, *in* G-00072
Cetraxate, C-00187
Chlorbenzoxamine, C-00196
2-(4-Chlorobenzoylamino)-3-[2(1*H*-quinolin-4-yl]propanoic acid, C-00219
N-[(3-Chlorophenyl)methyl]-*N'*-ethylurea, C-00268
Cicloxolone, C-00337
▷Cimetidine, C-00350
Cinoxolone, *in* G-00072
Cinprazole, C-00381
Clidinium(1+), C-00425
Darenzepine, D-00015
Decitropine, D-00038
Deloxolone, D-00057
Dembrexine, D-00060
Deprostil, D-00086
▷Detralfate, D-00109
2,3-Dihydro-3-(4-methylpiperazinylmethyl)-2-phenyl-1,5-benzothiazepin-4(5*H*)one, D-00291
11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, D-00334
1-(2-Dimethylaminoethyl)-1-phenylindene, D-00413
Dimoxaprost, D-00462
▷Elucaine, E-00031
Enisoprost, E-00057
Enprostil, E-00067
Epidermal growth factor, E-00075
Esaprazole, E-00120
Etintidine, E-00237
▷Flutoprazepam, F-00231
▷Ftaxilide, F-00268
Fuprazole, F-00276
▷Gefarnate, G-00013
▷Hexocyclium(1+), H-00067
Idralfidine, I-00018
Irsogladine, I-00173
Lansoprazole, L-00008
Lorapride, L-00091
Lucartamide, L-00111
Lupitidine, L-00113
Methantheline(1+), M-00169
Methionine, M-00183
▷Methionine; (*S*)-*form*, *in* M-00183
Methylbenactyzium(1+), M-00227
5-(3-Methylphenoxy)-2(1*H*)-pyrimidinone, M-00284
Mezolidon, M-00359
Molfarnate, *in* T-00513
Nilprazole, N-00141
Niperotidine, N-00153
Nizatidine, N-00192
Nolinium(1+), N-00199
Ornoprostil, O-00060
Oxyphencyclimine, O-00159
Pentapiperide, P-00091
Penthienate, P-00095
Picartamide, P-00231
▷Pifarnine, P-00245
Pirenzepine, P-00321
Plaunotol, P-00373
Poldine, P-00378
▷Proglumide, P-00468
Propantheline, P-00492
Quinezamide, Q-00022
▷Ranitidine, R-00011
Rolgamidine, R-00075
Rosaprostol, R-00093
Rotraxate, R-00096
Roxatidine, R-00097
Roxolonium(1+), R-00101
Secretin, S-00034
▷Sofalcone, S-00092
Spizofurone, S-00134
Telenzepine, T-00057
Teprenone, JAN, T-00078
2,3,4,9-Tetrahydro-2-methyl-1*H*-dibenzo[3,4:6,7]-cyclohepta[1,2-*c*]pyridine, T-00123
▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132
Timoprazole, T-00289
Tiopropamine, T-00303
Tiquinamide, T-00320
Toquizine, T-00385
Trapencaine, T-00400
Trecadrine, T-00407
Troxipide, *in* A-00314
Tuvatidine, T-00576
Xylamidine, X-00020
Zolenzepine, Z-00029
▷Zolimidine, Z-00031

Antiviral agents

Abikoviromycin, A-00002
▷Acyclovir, A-00060

1-(1-Adamantyl)ethylamine, A-00063
1-Adamantyl-2-methyl-2-propylamine, A-00064
Alanosine, A-00093
▷1-Aminoadamantane, A-00206
2-Amino-5-bromo-6-phenyl-4(1*H*)-pyrimidinone, A-00220
2′-Amino-2′-deoxyadenosine, A-00233
2-Amino-2,6-dideoxyglucose, A-00240
[4-[(4-Aminophenyl)sulfonyl]phenyl]urea, A-00312
Amiprilose, A-00345
Amonafide, A-00356
▷Amsacrine, A-00373
▷Antimycin *A*, A-00415
▷Aphidicolin, A-00422
▷Aranotin, A-00436
Arildone, A-00444
Avridine, A-00488
▷Azaribine, *in* A-00514
▷6-Azauridine, A-00514
3′-Azido-2′,3′-dideoxyuridine, A-00521
4,4′-Biphenyldiglyoxaldehyde, B-00177
3′-[Bis(2-hydroxyethyl)amino)acetophenone (4,5-diphenyl-2-oxazolyl)hydrazone, B-00216
1,2-Bis(5-methoxy-1*H*-benzimidazol-2-yl)-1,2-ethanediol, B-00225
▷Bredinin, B-00267
▷Bromotetracycline, B-00318
5-(2-Bromovinyl)-2′-deoxyuridine, B-00322
Buciclovir, B-00336
4-(2-Chlorobenzyl)-5-oxo-4-phenylhexanoic acid, C-00220
Citenazone, *in* F-00248
▷Cytarabine, *in* C-00667
▷2′-Deoxy-5-fluorouridine, D-00079
▷2′-Deoxy-5-iodouridine, D-00081
▷2′-Deoxy-5-(trifluoromethyl)uridine, D-00084
Desciclovir, *in* A-00060
▷Diacetoxyscirpenol, *in* A-00386
Dibatod, D-00153
2′,3′-Dideoxycytidine, D-00220
2′,3′-Dideoxyinosine, D-00221
5,6-Dihydro-5-azathymidine, D-00278
▷2,3-Dihydro-1*H*-imidazo[1,2-*b*]pyrazole, *in* I-00032
2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312
▷9-(1,3-Dihydroxy-2-propoxymethyl)guanine, D-00350
▷1-Dimethylamino-2-propanol, D-00419
α,9-Dioxo-9*H*-fluorene-2-acetaldehyde, D-00479
▷Diphenhydramine, D-00484
Disoxaril, D-00538
▷Distamycin *A*, D-00539
▷Edoxudine, E-00015
Enviradene, E-00070
Eritadenine, E-00110
▷3-Ethoxy-1,1-dihydroxy-2-butanone, *in* E-00168
Famciclovir, F-00012
Famotine, F-00014
Fiacitabine, F-00101
Fosarilate, *in* C-00254
Frentizole, F-00264
▷Gloxazone, G-00050
GSN (as disodium salt), *in* G-00082
Hexaoctacontaoxononaantimonateheneicosatungstate(19−), H-00059
9-(4-Hydroxy-3-hydroxymethyl-1-butyl)guanine, H-00138
Ibacitabine, I-00001
Impacarzine, I-00044
▷Inosine pranobex, *in* I-00073
Interferon, I-00079
Memotine, M-00085
▷Methisazone, *in* M-00264
2-Methyladenosine, M-00219
▷4-Methyl-5-thiazolecarboxylic acid, M-00310
Moroxydine, M-00446
Muroctasin, M-00472
▷Mycophenolic acid, M-00475
N-Butyldeoxynojirimycin, *in* T-00481
Oxamisole, O-00083
Phosphonoacetic acid, P-00215
Phosphonoformic acid, P-00216
▷Pimaricin, P-00253
▷Pyrazomycin, P-00566
2-Ribofuranosyl-4-selenazolecarboxamide, R-00039
▷Sinefungin, S-00078
▷Statolon, S-00141
▷Streptovarycin, S-00163
Teceleukin, *in* I-00081
▷Tiazofurine, T-00246
▷Tilorone, T-00277
▷Tribavirin, T-00426
▷Trichosanthin, T-00444
Tromantadine, T-00545
Vibunazole, V-00028
▷Vidarabine, *in* A-00435
Viroximine, V-00056
Xenazoic acid, X-00008
Zidovudine, Z-00013

Anxiolytic agents

Alpidem, A-00148
Ciclotizolam, C-00334
Ciprazafone, C-00386
Dinazafone, D-00465
Dizocilpine, D-00560
Dulozafone, D-00619
Enciprazine, E-00045
Ethyl carfluzepate, E-00179
Ethyl loflazepate, E-00197
▷Flutemazepam, F-00226
Gepirone, G-00019
Ipsapirone, I-00167
▷Lopirazepam, L-00088
▷Medifoxamine, M-00056
Oxazafone, O-00095
Pipequaline, P-00280
Premazepam, P-00418
2-(4-Pyridyl)benzofuran, P-00583
Ritanserin, R-00066
Taclamine, T-00002
Tandospirone, T-00026
Tibalosin, T-00248

Astringents

▷Alcloxa, *in* A-00123
Aldioxa, *in* A-00123
Calamine, C-00011
▷Calcium hydroxide, C-00015
▷Ellagic acid, E-00026
▷Ferric chloride, F-00087
▷Ferrous sulfate, F-00094
▷Zinc chloride, Z-00016
▷Zinc oxide, Z-00017
▷Zinc sulfate, Z-00018

Beta-lactamase inhibitors

Sulbactam, *in* P-00065

Bronchodilators

Amiterol, A-00348
Azanator, A-00501
▷Bamifylline, B-00011
Binizolast, B-00171
Bitolterol, B-00241
Broxaterol, B-00332
Butaprost, B-00395
Butethamate, B-00399
2-*tert*-Butylamino-1-(2-chlorophenyl)ethanol, B-00426
Carbuterol, C-00071

4-[(4-Chlorophenyl)methyl]-1,4,6,7-tetrahydro-9*H*-imidazo[1,2-*a*]purin-9-one, C-00273
▷Choline theophyllinate, *in* C-00308
Clenbuterol, C-00419
Clorprenaline, C-00502
Colterol, C-00537
Dametralast, D-00008
▷Decloxizine, D-00040
Deptropine, D-00087
3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002
Dioxethedrin, D-00476
▷Eprozinol, E-00094
Erdosteine, E-00100
Etafedrine, E-00133
4-Ethyl-6,7-dimethoxyquinazoline, E-00181
Ethylnorepinephrine, E-00212
▷Fenoterol, F-00064
Fenprinast, F-00072
▷Fenspiride, F-00076
Formoterol, F-00247
Fuprazole, F-00276
Furafylline, F-00278
Guaithylline, *in* T-00169
Hexoprenaline, H-00068
Hoquizil, H-00089
15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid, H-00169
Imoxiterol, I-00043
Ipratropium(1+), I-00155
Isoetharine, I-00185
▷Isoprenaline, I-00198
7-Isopropoxy-9-oxo-2-xanthenecarboxylic acid, I-00201
Laprafylline, L-00010
▷Medibazine, M-00055
Mequitazium(1+), M-00110
▷Metaterol, M-00151
Methoxyphenamine, M-00211
▷4-[2-(Methylamino)propyl]phenol, M-00222
Mexafylline, M-00349
Nisbuterol, N-00157
Norbutrine, N-00210
▷Orciprenaline, O-00053
Oxitropium(1+), O-00123
Peganine, P-00050
Perbufylline, P-00117
Phenisonone, P-00158
Pipoxizine, P-00303
Piquizil, P-00312
▷Pirbuterol, P-00316
Procaterol, P-00449
Protokylol, P-00540
▷Proxyphylline, P-00551
Quinterenol, Q-00033
▷Reproterol, R-00026
Rimiterol, R-00058
▷Salbutamol, S-00012
Salmefamol, S-00018
Salmeterol, S-00019
Siguazodan, S-00067
▷Soterenol, S-00107
Spirofylline, S-00122
Sulfonterol, S-00220
Suloxifen, S-00235
Tazifylline, T-00041
▷Terbutaline, T-00084
Terbutaline bis(dimethylcarbamate), *in* T-00084
Terbutaline diisobutyrate, *in* T-00084
Terbutaline di(*p*-toluate), *in* T-00084
Theophylline lysine, *in* T-00169
Tibenelast, T-00249
Tipetropium(1+), T-00312
Tomelukast, T-00375
Tretoquinol, T-00418
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483
Vapiprost, V-00011
Vephylline, V-00016
Verofylline, V-00022
Zardaverine, Z-00007
Zindotrine, Z-00019
Zinterol, Z-00022

Calcium regulating agents

Alfacalcidol, A-00109
Anipamil, A-00392
Azidopine, A-00523
Benidipine, B-00054
Bepridil, B-00134
▷Calcitonin, C-00013
▷Calcitriol, *in* A-00109
Calmidazolium(1+), C-00017
Darodipine, D-00016
Devapamil, D-00110
Dichloromethylenebisphosphonic acid, D-00194
8-(Diethylamino)octyl-3,4,5-trimethoxybenzoate, D-00239
1,4-Dihydro-2,6-dimethyl-5-nitro-4-[2-(trifluoromethyl)-phenyl]-3-pyridinecarboxylic acid, D-00283
1,3-Dihydro-1-[1-[(4-methyl-4*H*,6*H*-pyrrolo[1,2-*a*][4,1]-benzoxazepin-4-yl)methyl]-4-piperidinyl]-2*H*-benzimidazol-2-one, D-00292
▷Dihydrotachysterol, D-00304
4-[2-[3-(1,1-Dimethylethoxy)-3-oxo-1-propenyl]phenyl]-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylic acid, D-00430
Diproteverine, D-00527
Ebastine, E-00001
Elcatonin, E-00023
Elnadipine, E-00029
▷Ethylenediaminetetraacetic acid, E-00186
▷Fendiline, F-00044
Flunarizine, F-00165
Fostedil, F-00259
Gallopamil, G-00006
(1-Hydroxyethylidene)bisphosphonic acid, H-00132
Hydroxymethanediphosphonic acid, H-00146
25-Hydroxyvitamin D_3, H-00221
Iodipine, I-00098
Iprotiazem, I-00163
Isradipine, I-00219
Lidoflazine, L-00045
Manidipine, M-00017
Mesudipine, M-00139
Mioflazine, M-00391
Nicardipine, N-00088
Nictiazem, N-00106
▷Nifedipine, N-00110
Nilvadipine, N-00144
Nimodipine, N-00149
Nitrendipine, N-00172
Oxodipine, O-00128
▷Parathyrin, P-00030
▷Phytic acid, *in* I-00074
Piridronic acid, P-00327
Potassium phosphate dibasic, *in* P-00219
Ranolazine, R-00012
▷Riodipine, R-00060
▷Ryanodine, R-00108
Salcatonin, S-00013
SKF 7172-A_2, *in* F-00202
▷Sodium sulfate, S-00090
Tiapamil, T-00241

Carbonic anhydrase inhibitors

▷Acetazolamide, A-00018
▷4-(Aminosulfonyl)benzoic acid, *in* S-00217
▷Benzthiazide, B-00103
▷Dichlorphenamide, D-00206
▷6-Ethoxy-2-benzothiazolesulfonamide, E-00162
▷Flumethiazide, F-00157
Hydrobentizide, *in* B-00103

▷Methazolamide, M-00176
▷5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, P-00208
Propazolamide, P-00493
4-Sulfobenzoic acid; Diamide, *in* S-00217
Sulocarbilate, S-00230

Cardiac depressants

▷Acecainide, *in* P-00446
▷Acetylcholine(1+), A-00030
Bretylium(1+), B-00271
Bucainide, B-00334
Butoprozine, B-00415
Cibenzoline, C-00322
Cinepaxadil, C-00361
Clofilium(1+), C-00457
Guafecainol, G-00090
Indecainide, I-00054
Lorajmine, *in* A-00088
Meobentine, M-00093
Moricizine, M-00442
Pranolium(1+), P-00399
▷Procainamide, P-00446
Pyrinoline, P-00588
Quindonium(1+), Q-00018
▷Quinidine, Q-00027
Tocainide, T-00332

Cardiac glycosides

▷Acetyldigitoxin, *in* D-00275
▷α-Acetyldigoxin, *in* D-00275
▷β-Acetyldigoxin, *in* D-00275
▷Digitoxin, *in* D-00275
▷Digoxin, D-00275
▷Medigoxin, *in* D-00275
Propentofylline, P-00495
▷Rhodexin A, *in* T-00473

Cardiotonic agents

Acefylline, A-00011
▷Acetyldigitoxin, *in* D-00275
▷α-Acetyldigoxin, *in* D-00275
▷β-Acetyldigoxin, *in* D-00275
Acrihellin, *in* T-00477
Actodigin, A-00059
Adibendan, A-00069
Alifedrine, A-00118
▷Ambuphylline, *in* T-00169
▷Aminophylline, *in* T-00169
▷Amrinone, A-00372
▷Asclepin, *in* G-00079
Bemarinone, B-00031
▷Benfurodil hemisuccinate, B-00053
▷Buquineran, B-00372
Butopamine, B-00414
Carbazeran, C-00044
▷Coenzyme Q_{10}, C-00531
Coleonol, *in* E-00090
▷Convallatoxol, *in* T-00478
▷Convallotoxin, *in* T-00478
▷Corchoroside A, *in* T-00478
Dazolicine, D-00026
Denopamine, D-00074
▷Digitoxin, *in* D-00275
▷Digoxin, D-00275
6-(3,4-Dimethoxyphenyl)-1-ethyl-3,4-dihydro-3-methyl-4-[(2,4,6-trimethylphenyl)imino]-2(1*H*)-pyrimidinone, D-00401
Dobutamine, D-00561
Domipizone, D-00573
Enoximone, E-00062
▷Erysimine, *in* T-00478
4-Ethyl-6,7-dimethoxyquinazoline, E-00181
Fosfocreatinine, F-00255
Gitoxin 3′,3″,3‴,4‴,16-pentaformate, *in* T-00474
Glucostrophantidin, *in* T-00478
▷Glycerol trinitrate, G-00066
▷Hellebrin, *in* T-00477
Helveticosol 3′,4′-dinitrate, *in* H-00053
Heptaminol acefyllinate, *in* H-00029
3-Hydroxy-14,15-epoxy-20,22-bufadienolide, H-00128
▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272
Imazodan, I-00026
Indolidan, I-00064
▷Inosine, I-00073
Isomazole, I-00190
Lixazinone, L-00063
▷Medigoxin, *in* D-00275
▷Meproscillarin, *in* D-00319
1-Methylisoguanosine, M-00265
5-Methyl-1,6-naphthyridin-2(1*H*)-one, M-00272
Milrinone, M-00378
Murocainide, M-00471
Nanterinone, N-00037
Niguldipine, N-00138
▷Ouabain, *in* H-00053
Pelrinone, P-00055
▷Pentaacetylgitoxin, *in* T-00474
Pimobendan, P-00261
Piroximone, P-00353
▷Proscillaridin *A*, *in* D-00319
Quazinone, Q-00005
Ramnodigin, *in* D-00274
▷Scillaren A, *in* D-00319
▷Sulmazole, S-00227
Tazolol, T-00044
Teopranitol, T-00074
▷Theobromine, T-00166
▷Theophylline, T-00169
Theophylline calcium salicylate, *in* T-00169
Theophylline diethanolamine, *in* T-00169
Theophylline dihydroxyephedrine, *in* T-00169
Theophylline ephedrine, *in* T-00169
Theophylline heptaminol, *in* T-00169
Theophylline isopropanolamine, *in* T-00169
Theophylline meglumine, *in* T-00169
Theophylline piperazine, *in* T-00169
Theophylline sodium glycinate, *in* T-00169
▷Theopylline olamine, *in* T-00169
Tilsuprost, T-00279
Trimazosin, T-00490
Xamoterol, X-00001

Carminatives

▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131
Casanthranol, C-00107
Dimethicone, D-00390
▷2-Isopropyl-5-methylcyclohexanol, I-00208
▷Magnesium sulfate, M-00010
Polycarbophil, P-00382

Central depressants

Alozafone, A-00145
1-(Aminomethyl)cyclohexaneacetic acid, A-00280
▷1-(3-Aminophenyl)-2(1*H*)-pyridinone, A-00310
3,3-Bis(ethylsulfonyl)pentane, *in* B-00213
▷*N*-(2-Bromo-2-ethylbutanoyl)urea, B-00300
▷*N*-(2-Bromo-3-methylbutanoyl)urea, B-00307
2-Chloro-11-[3-(dimethylamino)propylidene]-11*H*-dibenz[*b*,*e*]-azepine, C-00234
Damotepine, D-00009
α,α-Diphenyl-2-piperidinemethanol; (±)-*form*, *N*-Diethylphosphoryl, *in* D-00504

α,α-Diphenyl-4-piperidinemethanol; *N*-Diethylphosphoryl, *in* D-00506
1,3-Dipropyl-7-methylxanthine, D-00524
▷Enfenamic acid, E-00054
Fepitrizol, F-00083
▷Flumecinol, F-00153
1,3,4,6,7,11*b*-Hexahydro-2*H*-pyrazino[2,1-*a*]isoquinoline, H-00051
Mafoprazine, M-00003
Modafinil, M-00417
Nonaperone, N-00204
▷Phenaglycodol, P-00139
Poskine, P-00390
▷Probarbital, P-00443
Quisqualamine, Q-00038
▷Thiethylperazine, T-00189
▷Thioproperazine, T-00208
Valpromide, *in* P-00516

Central stimulants

Abecarnil, A-00001
Aceglutamide, A-00012
Alifedrine, A-00118
▷Amfetaminil, A-00183
Amfonelic acid, A-00185
▷3-(2-Aminobutyl)indole, A-00222
▷2-Amino-5-phenyl-4(5*H*)-oxazolone, A-00306
2-Amino-1-phenyl-1-propanone, A-00309
3-[(4-Aminophenyl)sulfonyl]-3-azabicyclo[3.2.2]nonane, *in* A-00491
Azetirelin, A-00518
▷Bis(2,2,2-trifluoroethyl) ether, B-00239
Broclepride, B-00274
Brovincamine, B-00331
▷Bucricaine, *in* A-00333
▷Caffeine, C-00010
▷Camphor, C-00023
Centphenaquin, C-00168
Cinoxopazide, C-00379
▷Clofenciclan, C-00451
Cocaine, C-00523
▷Cocaine; (−)-*form*, *in* C-00523
Crotethamide, C-00569
Cyclazodone, C-00589
4-Cyclohexyl-3-ethyl-4*H*-1,2,4-triazole, C-00609
Cyprodenate, C-00647
Demanyl phosphate, D-00059
Demexiptiline, D-00067
▷Desipramine, D-00095
Dexoxadrol, *in* D-00472
N^2,N^5-Diacetylornithine, *in* O-00059
▷Diethadione, D-00226
3-(Diethylcarbamoyl)-1-methylpyridinium(1+), D-00241
N,*N*-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, D-00243
▷*N*,*N*-Diethyl-3-pyridinecarboxamide, D-00254
Difluanine, D-00269
▷2-Dimethylaminoethanol, D-00408
1-(2-Dimethylaminoethyl)-1-phenylindene, D-00413
▷2-Dimethylamino-1-phenyl-1-propanol, D-00418
Dimethylaminopyrazine, D-00421
Dimoxamine, D-00461
2-(Diphenylmethylene)butylamine, D-00497
Dupracetam, D-00622
Endomide, E-00048
Enilosperone, E-00056
▷Ethamivan, E-00146
▷2-(Ethylamino)-5-phenyl-4(5*H*)-oxazolone, E-00174
▷Etilefrine, *in* A-00272
▷Fencamfamin, F-00038
Fenethylline, F-00047
Feprosidnine, F-00086
Flerobuterol, F-00115
Flubanilate, F-00132
Flufylline, F-00149
▷Fluprofylline, F-00210
Glutamine, G-00060
Hexapradol, H-00060
1-(Hydroxymethyl)cyclohexaneacetic acid, H-00158
Ibogaine, I-00004
Lobelidine, *in* L-00064
▷Meclofenoxate BAN, M-00046
▷Mefexamide, M-00067
▷Mepixanox, M-00102
▷Mesocarb, M-00133
▷Methastyridone, M-00175
▷Methylphenidate, *in* R-00065
Oxifentorex, O-00112
2-Oxo-1-pyrrolidineacetamide, *in* O-00139
▷Phenbutrazate, P-00149
2-Phenylcyclopentylamine, P-00185
▷1-Phenyl-2-propylamine, P-00202
Phosphoserine, P-00220
▷Picrotoxin, P-00242
Posatirelin, P-00389
▷Prolintane, P-00473
Pyrovalerone, P-00592
Ribaminol, R-00036
Securinine, S-00035
▷Strychnine, S-00167
▷Strychnine N-oxide, *in* S-00167
▷1,2,3,4-Tetrahydro-2-methyl-4-phenyl-8-isoquinolinamine, T-00125
▷6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, T-00133
▷Theodrenaline, T-00167
Troparil, T-00549
Umespirone, U-00007
Vincamone, *in* E-00003
Vinpoline, V-00043
▷Zylofuramine, Z-00040

Cephalosporins

Antibiotic L 640876, A-00407
▷Cefaclor, C-00109
▷Cefadroxil, C-00110
Cefaloram, C-00111
Cefamandole, C-00112
Cefamandole; *O*-Formyl, *in* C-00112
Cefanone, C-00113
Cefaparole, C-00114
▷Cefapirin, C-00115
▷Cefathiamidine, C-00116
▷Cefatrizine, C-00117
Cefazaflur, C-00118
Cefazedone, C-00119
▷Cefazolin, C-00120
Cefbuperazone, C-00121
Cefcanel, C-00122
Cefcanel daloxate, *in* C-00122
Cefedrolor, C-00123
Cefempidone, C-00124
Cefepime, C-00125
Cefetamet, C-00126
Cefetrizole, C-00127
Cefivitril, C-00128
Cefixime, C-00129
Cefmenoxime, C-00130
Cefmepidium(1+), C-00131
▷Cefmetazole, C-00132
Cefminox, C-00133
Cefodizime, C-00134
Cefonicid, C-00135
Cefoperazone, C-00136
Ceforanide, C-00137
Cefotaxime, C-00138
▷Cefotetan, C-00139
▷Cefotiam, C-00140
▷Cefoxitin, C-00141
Cefpimizole, C-00142

Cefpiramide, C-00143
Cefpirome, C-00144
Cefpivtetrame, *in* C-00153
Cefpodoxime, C-00145
Cefpodoxime proxetil, *in* C-00145
Cefprozil, C-00146
Cefquinone, C-00147
Cefrotil, C-00148
▷Cefroxadine, C-00149
Cefsulodin, C-00150
Cefsumide, C-00151
▷Ceftazidime, C-00152
Cefteram, C-00153
Ceftezole, C-00154
Ceftiofur, C-00156
Ceftiolene, C-00157
Ceftioxide, *in* C-00138
Ceftizoxime, C-00158
Ceftriaxone, C-00159
Cefuracetime, C-00160
▷Cefuroxime, C-00161
Cefuroxime axetil, *in* C-00161
Cefuroxime pivoxetil, *in* C-00161
Cefuzonam, C-00162
Cephacetrile, C-00170
Cephachlomazine, C-00171
▷Cephalexin, C-00173
▷Cephaloglycin, C-00174
▷Cephalonium, C-00175
▷Cephaloridine, C-00176
▷Cephalosporin *C*, C-00177
▷Cephalothin, C-00178
Cephoxazole, C-00179
▷Cephradine, C-00180
Latamoxef, L-00012
Nitrocefin, N-00173
▷Pivcephalexin, P-00363

Chelating agents

Agrobactin, A-00086
▷3,12-Bis(carboxymethyl)-6,9-dioxa-3,12-diazatetradecanedioic acid, B-00196
▷Deferoxamine, D-00044
▷2,3-Dimercaptobutanedioic acid, D-00384
▷2,3-Dimercapto-1-propanol, D-00385
▷Ethylenediaminetetraacetic acid, E-00186
α-Mercapto-β-(2-furyl)acrylic acid, M-00117
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
Oftasceine, O-00033
Penicillamine, P-00064
▷Pentetic acid, P-00094
▷Phytic acid, *in* I-00074
▷Triethylenetetramine, T-00457

Choleretic agents

▷Alibendol, A-00116
Aluminum clofibrate, *in* C-00456
Amifloverine, A-00194
▷Azintamide, A-00525
α-Benzyl-5,6-dihydro-2*H*-pyran-3-methanol, B-00112
▷1-Benzyl-2-oxocyclohexanepropionic acid, B-00123
Binifibrate, B-00170
▷2,6-Bis(4-hydroxy-3-methoxybenzylidene)cyclohexanone, B-00218
1-*tert*-Butoxy-3-methoxy-2-propanol, B-00422
▷1-Butoxy-3-phenoxy-2-propanol, B-00423
Calcium clofibrate, *in* C-00456
7-Chloro-4-hydroxy-5-indanecarboxylic acid, C-00243
▷Cholic acid, *in* T-00475
Cicloxilic acid, C-00336
Cinametic acid, C-00353
▷Clanobutin, C-00409
Clofibrate, *in* C-00456
▷Clofibric acid, C-00456
▷3-Cyclohexyl-2-butenoic acid, C-00605
4-(5-Cyclohexyl-2,4-dimethoxyphenyl)-4-oxobutanoic acid, C-00606
3-Cyclohexyl-3-hydroxybutanoic acid, C-00610
1-Cyclohexyl-2-methyl-1-propanol, C-00618
▷Cynarine, C-00643
▷Dehydrocholic acid, D-00049
▷1,3-Dibutoxy-2-propanol, D-00172
3,12-Dihydroxy-24-cholanoic acid, D-00321
Diisopromine, D-00366
3-(2,4-Dimethoxyphenyl)-2-butenoic acid, D-00400
1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, *in* D-00346
▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456
1-(3,3-Diphenylpropyl)hexahydro-1*H*-azepine, D-00512
Ethyl dehydrocholate, *in* D-00049
α-Ethyl-2,5-dimethyl-α-phenylbenzyl alcohol, E-00183
▷α-Ethyl-1-hydroxycyclohexaneacetic acid, E-00193
▷2-Ethyl-2-(1-naphthyl)butanoic acid, E-00210
Exiproben, E-00280
Fenaftic acid, F-00032
Fencibutirol, F-00040
Fenocinol, F-00060
Florantyrone, F-00121
4-(2-Hydroxybenzoyl)morpholine, H-00115
4-Hydroxy-3-(1-hydroxypentyl)benzoic acid, H-00139
▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
Magnesium clofibrate, *in* C-00456
4-Methoxy-γ-oxo-1-naphthalenebutanoic acid, M-00208
▷Moquizone, M-00436
▷(1-Naphthyl)acetic acid, N-00044
▷Osalmid, O-00066
Oxazorone, O-00099
Oxitefonium(1+), O-00121
▷1-Phenyl-1-pentanol, P-00194
▷Piprozolin, P-00310
Sincalide, S-00077
▷Taurocholic acid, T-00031
Tocamphyl, *in* T-00508
3-(2,4,5-Triethoxybenzoyl)propanoic acid, T-00456
Trixolane, T-00542
Vanitiolide, V-00009

Cholinergic agents

▷Aceclidine, *in* Q-00035
▷Acetylcholine(1+), A-00030
Aclatonium(1+), A-00044
▷Arecoline, *in* T-00126
Benzpyrinium(1+), B-00101
Bethanechol(1+), B-00143
Carbamoylcholine(1+), C-00040
▷Choline, C-00308
Cyprodenate, C-00647
Demecarium(2+), D-00061
▷Diisopropyl phosphorofluoridate, D-00368
Edrophonium(1+), E-00016
▷Eserine, E-00122
▷Methacholine(1+), M-00160
N-(2-Methoxy-2-propenyl)trimethylammonium(1+), M-00216
Nitricholine perchlorate, *in* C-00308
Oxapropanium(1+), O-00091
▷Oxotremorine, O-00141
▷Pilocarpine; (+)-*form*, *in* P-00252
▷Pyridostigmine(1+), P-00578
▷1,2,5,6-Tetrahydro-1-methyl-3-pyridinecarboxylic acid, T-00126
▷Tremorine, T-00409
Triclazate, T-00447

Coccidiostats

4-(Acetylamino)-2-ethoxybenzoic acid methyl ester, *in* A-00264

Aklomide, *in* C-00258
1-(4-Amino-2-propylpyrimidin-5-ylmethyl)-2-picolinium(1+), A-00323
▷4-Amino-*N*-2-quinoxalinylbenzenesulfonamide, *in* A-00332
Antibiotic X 14868A, A-00411
Arprinocid, A-00448
Beclotiamine(1+), B-00025
Biclodil, B-00153
▷Bitipazone, B-00240
▷Boromycin, B-00258
Buquinolate, B-00373
Cationomycin, C-00108
Clazuril, C-00413
▷Cyproquinate, C-00650
Decoquinate, D-00041
Diaveridine, D-00147
Diclazuril, D-00209
3,5-Dinitrobenzamide, *in* D-00468
Dinsed, D-00469
▷Efrotomycin, E-00020
Febrifugine, F-00023
Halofuginone, H-00009
Lapinone, L-00009
▷Lasalocid *A*, L-00011
Methyl benzoquate, M-00232
▷2-Methyl-3,5-dinitrobenzamide, *in* M-00246
2-Methyl-3-heptyl-4-hydroxy-7-methoxyquinoline, M-00259
▷Monensin, M-00428
▷Narasin *A*, N-00050
▷Nicarbazin, *in* B-00231
Ormetoprim, O-00057
Proquinolate, P-00523
▷Robenidine, R-00069
▷Salinomycin, S-00017
Sulfaclozine, S-00190
Sulfanilanilide, S-00202
Sulfanitran, S-00204
Tiazuril, T-00247
Toltrazuril, T-00371
Tosulur, T-00391

Contraceptives

▷[(Acetato-*O*)phenylmercury], *in* H-00191
17-Acetyl-6-methyl-16,24-cyclo-21-norchol-4-en-3-one, A-00038
▷Algestone acetophenide, *in* A-00114
▷Azastene, A-00511
▷Bolandiol dipropionate, *in* O-00029
▷Buserelin, B-00377
Epostane, E-00088
▷2-(3-Ethoxyphenyl)-5,6-dihydro[1,2,4]triazolo[5,1-*a*]-isoquinoline, E-00169
S-Ethyl carbamothioate, *in* T-00196
▷Gestonorone caproate, *in* G-00023
μ-Hydroxydiphenyldimercury(1+), H-00125
Menfegol, M-00089
Nafarelin, N-00010
▷Norethisterone enanthate, *in* N-00212
4-Oestrene-3,17-diol, O-00029
Prenoxdiazine, P-00422
▷Tolnidamine, T-00356
Trestolone acetate, *in* N-00221
▷Xinidamine, X-00016

Contraceptives, oral

▷Chlormadinone acetate, *in* C-00208
▷Desogestrel, D-00099
▷2,5-Dihydroxy-3-undecyl-1,4-benzoquinone, D-00356
▷Ethynodiol diacetate, *in* E-00227
▷17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol, E-00231
Gossypol; (±)-*form*, *in* G-00082
▷Lynoestrenol, L-00121
▷Medroxyprogesterone acetate, *in* H-00175
Megestrol, *in* H-00174
▷Megestrol acetate, *in* H-00174
▷Mestranol, M-00138
▷Norethisterone, N-00212
▷Norethisterone acetate, *in* N-00212
▷Norethynodrel, N-00213
▷Norgestimate, N-00216
Norgestrel, N-00218
Quingestanol, Q-00024
▷Quingestanol acetate, *in* Q-00024

Contraceptives, post-coital

Nisterime, N-00161
▷Nisterime acetate, *in* N-00161
Norethisterone acetate oxime, *in* N-00212

Corticosteroids

Alclometasone, A-00104
Alclometasone dipropionate, *in* A-00104
▷Algestone acetophenide, *in* A-00114
▷Amcinonide, A-00177
▷Betamethasone, B-00141
Betamethasone acetate, JAN, *in* B-00141
Betamethasone acibutate, *in* B-00141
Betamethasone adamantoate, *in* B-00141
Betamethasone benzoate, *in* B-00141
▷Betamethasone dipropionate, *in* B-00141
Betamethasone divalerate, *in* B-00141
Betamethasone salicylate, *in* B-00141
Betamethasone succinate, *in* B-00141
▷Betamethasone valerate, *in* B-00141
Betamethasone valeroacetate, *in* B-00141
Budesonide, B-00344
21-Chloro-9α-fluoro-17α-hydroxy-16β-methyl-1,4-pregnadiene-3,11,20-trione, *in* C-00437
Ciprocinonide, C-00388
Clobetasol, C-00437
▷Clobetasol propionate, *in* C-00437
▷Clobetasone butyrate, *in* C-00437
Cloticasone, C-00509
Cloticasone propionate, *in* C-00509
▷Deflazacort, D-00046
Deprodone propionate, *in* D-00348
11,17-Dihydroxy-1,4-pregnadiene-3,20-dione, D-00348
▷Fludrocortisone, F-00147
▷Fludrocortisone acetate, *in* F-00147
Fluticasone, F-00227
Fluticasone propionate, *in* F-00227
Isoflupredone, I-00188
▷Isoflupredone acetate, *in* I-00188
Meclorisone, M-00049
Meclorisone dibutyrate, *in* M-00049
Mometasone, M-00426
Mometasone furoate, *in* M-00426
Oxisopred, O-00119

Corticotrophin analogues

Alsactide, A-00152
Codactide, C-00524
Giractide, G-00025
Octacosactrin, O-00006
Pentacosactride, P-00075
Seractide, S-00045
▷Tetracosactrin, T-00108
Tricosactide, T-00453

Dehydropeptidase inhibitors

Cilastatin, C-00342

Dental caries prophylactics

▷Actinobolin, A-00053
Dectaflur, *in* O-00011
Delmopinol, D-00055
▷Hexadecylamine, H-00042
Ipexidine, I-00151
Methanediphosphonic acid, M-00168
9-Octadecenylamine, O-00011
Octapinol, O-00016
Octenidine, O-00020
▷Olafur, *in* T-00537
Ribocitrin, R-00037
▷Sodium fluoride, S-00087
▷Stannous fluoride, S-00137
Stannous pyrophosphate, S-00138

Dermatological agents

Acetomeroctol, A-00024
▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297
Acitretin, A-00041
Alclometasone dipropionate, *in* A-00104
Allantoin, A-00123
▷4-Allyl-1,2-(methylenedioxy)benzene, A-00131
▷Amcinonide, A-00177
▷Beclometasone dipropionate, JAN, *in* B-00024
▷Bindazac, B-00167
▷*N*-[4-[Bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+), B-00209
▷Bis(1-hydroxy-2(1*H*)-pyridinethionato-*O*,*S*)zinc, *in* P-00574
Buclosamide, B-00340
Budesonide, B-00344
Butantrone, B-00393
Ciprocinonide, C-00388
▷Clobetasol propionate, *in* C-00437
▷Clobetasone butyrate, *in* C-00437
Cormethasone, C-00544
▷Crotamiton, C-00567
2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid, C-00607
▷Diacetazotol, D-00117
Dibrompropamidine, D-00168
Diflorasone diacetate, *in* D-00267
Difluprednate, D-00273
▷1,8-Dihydroxyanthrone, D-00310
2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, D-00314
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
2,7-Dimethylthianthrene, D-00456
Doretinal, D-00585
Endrysone, E-00052
▷Fluazacort, F-00131
Fluclorolone acetonide, F-00138
▷Fluocinonide, F-00173
▷Fluocortin butyl, *in* F-00174
▷Formocortal, F-00246
▷Glycyrrhetic acid, G-00072
▷Halcinonide, H-00004
▷Halopredone acetate, *in* H-00016
▷2-Hydroxypropanoic acid, H-00207
Laurolinium(1+), L-00017
Lonapalene, *in* C-00257
▷Meclocycline, M-00044
Meclorisone, M-00049
Meclorisone dibutyrate, *in* M-00049
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
▷Methotrexate, M-00192
Motretinide, M-00456
Nifurprazine, N-00129
▷Nonanedioic acid, N-00203
Oxaceprol, *in* H-00210
Piroctone, P-00344
▷2-Propenylthiourea, P-00496
Retinoic acid, R-00033
Stearylsulfamide, S-00142
Temarotene, T-00059
▷Triacetoxyanthracene, *in* D-00310
▷Triamcinolone, T-00419
Vinmegallate, V-00040
▷Xanthotoxin, X-00007
Xenysalate, X-00010

Diagnostic agents

▷Acetrizoic acid, *in* A-00340
N-(4-Aminobenzoyl)glycine, A-00217
3-(2-Aminoethyl)pyrazole, A-00256
Anazolene, A-00379
Arclofenin, A-00437
▷Azovan Blue, A-00532
▷Barium sulfate, B-00014
▷Bentiromide, B-00069
Betiatide, B-00144
3,7-Bis(dimethylamino)phenothiazin-5-ium(1+), B-00208
Broxitalamic acid, B-00333
Butedronic acid, B-00397
Butilfenin, B-00405
Caerulein, C-00005
▷Chlormerodrin, C-00209
Cholecystokinin, C-00304
Congo Red, C-00541
▷Cordycepic acid, *in* M-00018
Corticoliberin, C-00545
3-(Diacetylamino)-2,4,6-triiodobenzoic acid, *in* A-00340
▷2,6-Diamino-3-phenylazopyridine, D-00133
▷Diatrizoic acid, *in* D-00138
1,2-Dihydro-4-iodo-1,5-dimethyl-2-phenyl-3*H*-pyrazol-3-one, D-00286
N-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone, D-00353
3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358
▷3,5-Diiodo-4(1*H*)-pyridinone, D-00362
3,5-Diiodo-4-pyridone-1-acetic acid, D-00363
▷2,3-Dimercaptobutanedioic acid, D-00384
Diohippuric acid, D-00470
Disofenin, D-00536
▷Erythrosine, E-00118
Ethyl cartrizoate, E-00180
1-Ethyl-2-[3-(1-ethyl-2(1*H*)-quinolinylidene)propenyl]-quinolinium, E-00190
Etifenin, E-00235
Exametazime, E-00278
Fibrinogen, F-00103
▷Fluorescein, F-00180
Gadoteric acid, *in* T-00101
Gallium citrate, G-00005
Galtfenin, G-00008
▷Haematoporphyrin, H-00002
▷Histamine, H-00077
Histoplasmin, H-00079
Indocyanine green, I-00062
Inulin, I-00089
Iobenguane, I-00090
▷Iobenzamic acid, I-00091
Iobutoic acid, I-00092
▷Iocarmic acid, I-00093
▷Iocetamic acid, I-00094
▷Iodamide, I-00095
Iodecol, I-00096
Iodetryl, *in* D-00361
Iodipamide, I-00097
Iodixanol, I-00099
▷Iodoalphionic acid, I-00100
(2-Iodobenzoyl)aminoacetic acid, I-00101
19-Iodocholest-5-en-3-ol, I-00102
16-Iodohexadecanoic acid, I-00105
Iodomethanesulfonic acid, I-00106
▷Iodoxamic acid, I-00108
Iodoxyl, I-00109

Iofetamine, I-00110
Ioglicic acid, I-00111
Ioglucol, I-00112
▷Ioglucomide, I-00113
Iogluníde, I-00114
Ioglycamic acid, I-00115
Iogulamide, I-00116
Iohexol, I-00117
Iolidonic acid, I-00118
▷Iolixanic acid, I-00119
▷Iomeglamic acid, I-00120
Iomeprol, I-00121
Iomethin, I-00122
Iomorinic acid, I-00123
▷Iopamidol, I-00124
▷Iopanoic acid, I-00125
Iopentol, I-00126
▷Iophendylate, I-00127
▷Iophenoxic acid, I-00128
▷Iopodic acid, I-00129
Ioprocemic acid, I-00130
Iopromide, I-00131
▷Iopronic acid, I-00132
Iosarcol, I-00133
▷Iosefamic acid, I-00134
Ioseric acid, I-00135
Iosimide, I-00136
Iosulamide, I-00137
Iosumetic acid, I-00138
Iotasul, I-00139
▷Iothalamic acid, I-00140
Iotranic acid, I-00141
Iotriside, I-00142
Iotrizoic acid, I-00143
Iotrolan, I-00144
▷Iotroxic acid, I-00145
Ioversol, I-00146
Ioxabrolic acid, I-00147
Ioxaglic acid, I-00148
Ioxilan, I-00149
Iozomic acid, I-00150
Iprofenin, I-00160
Isosulfan Blue, I-00212
▷Lidofenin, L-00044
Losan, *in* X-00024
Mebrofenin, M-00038
▷Meglumine acetrizoate, *in* A-00340
Merisoprol, M-00126
▷2-Methyl-1,2-di-3-pyridyl-1-propanone, M-00248
▷Metrizamide, M-00343
Nitrocefin, N-00173
Oftasceine, O-00033
Oxypropyliodone, *in* D-00363
Penlysinum, P-00071
▷Pentagastrin, P-00079
Phenaphthazine, P-00145
▷Phenobutiodil, P-00160
▷Phenolsulfonphthalein, P-00163
▷Piperoxan, P-00294
Propyl docetrizoate, *in* A-00340
▷Propyliodone, *in* D-00363
Rose Bengal Sodium, *in* T-00105
Saralasin, S-00023
Secretin, S-00034
▷Selenomethionine, S-00038
Sermorelin, S-00049
Sincalide, S-00077
▷Sodium acetrizoate, *in* A-00340
Somatorelin, S-00097
Stannous pyrophosphate, S-00138
▷Sulfobromophthalein, S-00218
Sulphan blue, S-00249
Tauroselcholic acid, T-00034
Technetium sestamibi, *in* M-00205
Technetium tiatide, *in* M-00129
4,5,6,7-Tetrahydroisoxazolo[5,4-*c*]pyridin-3-ol, T-00121
Tetraiodophenolphthalein, T-00142
▷Thallous chloride, T-00160
▷Thyroliberin, T-00229
▷Tolbutamide, T-00345
Tolonium(1+), T-00359
Tris(8-quinolinato)indium, *in* H-00211
Tuberculin, T-00570
Tyropanoic acid, T-00581
▷Vitamin B_{12}, V-00059
Xylose, X-00024

Dietary agents

Aspartame, A-00460
▷*N*,*N*′-Bis(2,2,2-trichloro-1-hydroxyethyl)urea, B-00238
▷Chromic chloride, C-00310
▷Fencamfamin, F-00038
5-(3-Hydroxyphenyl)-1*H*-tetrazole, H-00198
▷Leucine; (*S*)-*form*, *in* L-00029
6-Methyl-1,2,3-oxathiazin-4(3*H*)-one 2,2-dioxide, M-00275
▷Potassium iodide, P-00392
▷Stevioside, *in* S-00147
Toldimfos, T-00347
▷Tryptophan; (*S*)-*form*, *in* T-00567

Digestive agents

Alexitol, A-00108
Algeldrate, A-00113
Almagate, A-00134
Almagodrate, A-00135
Almasilate, A-00136
Alusulf, A-00160
Calcium carbonate, C-00014
Cellulase, C-00164
Dihydroxyaluminum carbonate, D-00306
Dihydroxyaluminum sodium carbonate, D-00307
Glucalox, *in* G-00064
Hydrotalcite, H-00103
Magaldrate, M-00005
▷Magnesium carbonate, M-00006
Magnesium hydroxide, M-00008
Magnesium phosphate, M-00009
Magnesium trisilicate, M-00011
Pancreatin, P-00010
Pancrelipase, P-00011
▷Papain, P-00018
Simaldrate, S-00072

Disinfectants

▷[(Acetato-*O*)phenylmercury], *in* H-00191
Bensalan, B-00063
Benzethonium(1+), B-00079
▷2-Benzyl-4-chlorophenol, B-00109
Benzyldimethyldodecylammonium(1+), B-00113
▷4-Benzylphenol, B-00127
▷*N*-[4-[Bis[4-(dimethylamino)phenyl]methylene]-2,5-cyclohexadien-1-ylidene]-*N*-methylmethanaminium(1+), B-00209
▷5-Bromo-*N*-(4-bromophenyl)-2-hydroxybenzamide, B-00292
4-*tert*-Butyl-2-chloromercuriphenol, B-00429
▷Carbon disulfide, C-00058
▷Chlorhexidine, C-00206
N-Chlorobenzenesulfonamide, *in* B-00075
▷4-Chloro-3,5-dimethylphenol, C-00235
▷4-Chloro-3-methylphenol, C-00256
▷*N*-(4-Chlorophenyl)-*N*′-(3,4-dichlorophenyl)urea, C-00262
▷*N*-Chloro-*p*-toluenesulfonamide, C-00289
Cloflucarban, C-00458
▷3,6-Diaminoacridine, D-00120
3,9-Diamino-7-ethoxyacridine, D-00130
3,5-Dibromo-2-hydroxy-*N*-phenylbenzamide, *in* D-00165

▷4-[(Dichloroamino)sulfonyl]benzoic acid, D-00179
N,*N*-Dichloro-4-methylbenzenesulfonamide, D-00191
▷1,3-Dichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, D-00203
2,7-Dihydroxy-1,3,2-benzodioxabismole-5-carboxylic acid, D-00314
3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358
(4-Dodecylbenzyl)trimethylammonium(1+), D-00566
Dofamium(1+), D-00569
Fluorosalan, F-00191
▷Formaldehyde, F-00244
Fursalan, F-00298
▷2,2′,3,3′,5,5′-Hexachloro-6,6′-dihydroxydiphenylmethane, H-00039
▷8-Hydroxyquinoline, H-00211
Laurolinium(1+), L-00017
Metalkonium(1+), M-00147
5-Methyl-2-pentylphenol, M-00280
Monalazone, M-00427
▷2-Oxetanone, O-00105
▷Phenol, P-00161
PHMB, *in* P-00381
Picloxydine, P-00236
Polihexanide, P-00381
▷2,4,4′-Trichloro-2′-hydroxydiphenyl ether, T-00437
▷1,3,5-Trichloro-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione, T-00442
▷Triiodomethane, T-00486

Diuretics

Acefylline, A-00011
▷Acetazolamide, A-00018
Aditeren, A-00073
Alipamide, A-00121
Althiazide, A-00157
Amanozine, A-00162
Ambuside, A-00174
Amiloride, A-00198
▷2-Amino-2-hydroxymethyl-1,3-propanediol, A-00268
▷Aminometradine, A-00291
▷Aminophylline, *in* T-00169
▷Amisometradine, A-00346
Anaritide, A-00377
▷Azosemide, A-00530
▷Bemetizide, B-00032
Bemitradine, B-00033
▷Bendrofluazide, B-00047
▷Benzthiazide, B-00103
▷4-Benzyl-3-butylamino-5-sulfamoylbenzoic acid, B-00108
Besulpamide, B-00139
Brocrinat, B-00276
▷Bumetanide, B-00356
Buthiazide, B-00401
Canrenone, C-00027
▷Cantharidin, C-00028
[3-(3-Carboxy-2,2,3-trimethylcyclopentanecarboxamido)-2-methyoxypropyl]hydroxomercury, C-00067
▷Carmetizide, C-00079
▷Chlormerodrin, C-00209
8-Chloro-3-(2-fluorophenyl)-5,6-dihydrofuro[3,2-*f*]-1,2-benzisoxazole-6-carboxylic acid, C-00240
▷4-Chloro-*N*-methyl-3-[(methylamino)sulfonyl]benzamide, C-00255
▷*N*-(4-Chlorophenyl)-1,3,5-triazine-2,4-diamine, C-00275
4-Chloro-3-sulfobenzoic acid, C-00286
▷Chlorothiazide, C-00288
▷Chlorthalidone, C-00302
▷Choline theophyllinate, *in* C-00308
Cicletanine, C-00327
Clazolimine, C-00412
▷Clofenamide, *in* C-00215
Clopamide, C-00480
Clorexolone, C-00495
▷Cordycepic acid, *in* M-00018
▷Cyclopenthiazide, C-00630
▷Cyclothiazide, C-00639
2,4-Diamino-1,3,5-triazine, D-00136
1,4:3,6-Dianhydroglucitol, D-00144
6,7-Dichloro-2,3-dihydro-5-(2-thienylcarbonyl)-2-benzofurancarboxylic acid, D-00185
3,7-Dihydro-3-propyl-1*H*-purine-2,6-dione, *in* X-00002
Dimethazan, D-00389
1-(2,4-Dimethoxyphenyl)-3-(4-hydroxyphenyl)-2-propen-1-one, *in* D-00346
▷Diprophylline, D-00523
Disulphamide, D-00543
Epithiazide, E-00085
▷Ethacrynic acid, E-00145
Ethiazide, E-00153
▷6-Ethoxy-2-benzothiazolesulfonamide, E-00162
▷Etofylline, E-00253
Etozolin, *in* O-00169
Fenquizone, F-00075
▷Flumethiazide, F-00157
▷Frusemide, F-00267
Furacrinic acid, F-00277
Furterene, F-00300
Galosemide, G-00007
6-Hydrazino-3-pyridazinecarboxamide, H-00097
Hydrobentizide, *in* B-00103
▷Hydrochlorothiazide, H-00098
▷Hydroflumethiazide, H-00099
Hydroxindasate, *in* H-00105
17-Hydroxy-3-oxo-4,6-pregnadiene-21-carboxylic acid, H-00186
Ibopamine, I-00005
2-Imino-3-methyl-1-phenyl-4-imidazolidinone, I-00038
Indacrinone, I-00049
▷Indapamide, I-00052
Lemidosul, L-00021
Mebutizide, M-00040
▷Mefruside, M-00069
Meralluride, M-00112
Mercaptomerin, M-00118
Mercuderamide, M-00122
Mercuderamide; Me ether, *in* M-00122
Mercumallylic acid, M-00123
Mercumatilin sodium, *in* M-00123
Methalthiazide, M-00166
▷Methyclothiazide, M-00218
▷Meticrane, M-00319
▷Metolazone, M-00330
Mexrenoic acid, M-00355
▷Muzolimine, M-00473
Oxabrexine, O-00073
Ozolinone, O-00169
Paraflutizide, P-00022
Penflutizide, P-00063
Pentifylline, *in* T-00166
Perhexiline, P-00120
▷Piretanide, P-00323
▷Polythiazide, P-00386
Propazolamide, P-00493
Prorenoate, P-00524
▷Protheobromine, P-00534
Pytamine, P-00601
Quincarbate, Q-00016
Quinethazone, Q-00021
▷Spironolactone, S-00125
Spirorenone, S-00127
Spiroxasone, S-00131
Sulicrinat, S-00224
Sulocarbilate, S-00230
Sulosemide, S-00233
Sumetizide, S-00269
Teclothiazide, T-00047
▷Theobromine, T-00166
▷Theophylline, T-00169
Theophylline calcium salicylate, *in* T-00169
Theophylline diethanolamine, *in* T-00169
Theophylline dihydroxyephedrine, *in* T-00169

Theophylline isopropanolamine, *in* T-00169
Theophylline meglumine, *in* T-00169
Theophylline sodium glycinate, *in* T-00169
▷Theopylline olamine, *in* T-00169
▷Tienilic acid, T-00258
Tienoxolol, T-00262
Tizolemide, T-00331
Torasemide, T-00386
▷2,4,7-Triamino-6-phenylpteridine, T-00420
2,4,7-Triamino-5-phenylpyrimido[4,5-*d*]pyrimidine, T-00421
▷Trichloromethiazide, T-00439
Triflocin, T-00459
Tripamide, T-00522
▷Urea, U-00011
Vephylline, V-00016
Xipamide, X-00017
Zidapamide, Z-00011

Dopamine antagonists

Azapride, A-00505
Bromerguride, B-00288
Clebopride, C-00414
Eticlopride, E-00233
Neflumozide, N-00062
Raclopride, R-00002
Remoxipride, R-00021
Savoxepin, S-00029
Traboxopine, T-00392
Veralipride, V-00018

Dopamine β-hydroxylase inhibitors

2,2′-(Dithiodicarbonothioyl)bis[*N*-(2-methoxyethyl)-1-cyclopenten-1-amine, D-00552
5-(4-Hydroxybenzyl)-2-pyridinecarboxylic acid, H-00117
Roxindole, R-00099

Dopaminergic agents

▷Apomorphine, A-00425
Ciladopa, C-00341
Delergotrile, D-00052
Disulergine, D-00541
Dosergoside, D-00586
3-(3-Hydroxyphenyl)-1-propylpiperidine, H-00194
Ibopamine, I-00005
▷Mesulergine, M-00140
Moxiraprine, M-00466
Naxagolide, N-00053
Pergolide, P-00119
▷Piribedil, P-00324
Pramipexole, P-00396
Proterguride, P-00533
Quinelorane, Q-00019
Quinpirole, Q-00032
Ropinirole, R-00087
4,5,6,7-Tetrahydro-*N*-methyl-6-benzothiazolamine, *in* A-00334
Tiomergine, T-00300

Emetics

▷Antimony potassium tartrate, A-00414
Cephaeline, C-00172
3′,5-Dihydroxy-4′,6,7-trimethoxyflavone, D-00354
Emetine, E-00036
▷Emetine; (−)-*form*, *in* E-00036
▷Flualamide, F-00129
Tartaric acid, T-00028
▷L-Threaric acid, *in* T-00028

Enzymes

Alpha Amylase, A-00147
▷Ancrod, A-00381
▷Asparaginase, A-00458
Brinolase, B-00273
▷Bromelains, B-00287
Cellulase, C-00164
Chymopapain, C-00315
▷Chymotrypsin, C-00316
Hyalosidase, H-00091
▷Hyaluronidase, H-00092
Kallikrein, K-00003
▷Lysostaphin, L-00123
Ocrase, O-00003
Pancreatin, P-00010
Pancrelipase, P-00011
▷Papain, P-00018
Penicillinase, P-00067
▷Serrapeptase, S-00050
▷Sfericase, S-00061
Streptodornase, S-00159
▷Streptokinase, S-00160
Sutilains, S-00279
▷Tilactase, T-00271
▷Trypsin, T-00565
▷Urokinase, U-00016

Enzyme inhibitors

Acarbose, A-00005
▷Aceglatone, *in* G-00053
Alahopcin, A-00092
Albizziine, A-00098
Ambenonium(2+), A-00167
Amflutizole, A-00184
5-Amino-1,3-cyclohexadiene-1-carboxylic acid, A-00228
▷5-Amino-1,3-cyclohexadiene-1-carboxylic acid; (*S*)-*form*, *in* A-00228
4-Amino-5-hexenoic acid, A-00260
2-Amino-3-(4-hydroxyphenyl)-2-methylpropanoic acid, A-00273
Amylopectin sulfate, *in* S-00140
Antithrombin III, A-00417
▷Aprotinin, A-00432
Arglecin, A-00442
Asparenomycin A, *in* A-00459
Aspergillomarasmine *B*, A-00462
Befuraline, B-00028
Bemarinone, B-00031
▷Benserazide, B-00064
Benurestat, B-00070
▷Bestatin, B-00138
▷Brocresine, B-00275
6-Bromopenicillanic acid, B-00311
Bunaprolast, B-00360
Bupicomide, *in* B-00432
Camostat, C-00022
▷Carbidopa, C-00050
▷Carbophenothion, C-00060
Cetraxate, C-00187
2-Chloro-4-(1-hydroxyoctadecyl)benzoic acid, C-00246
Cilastatin, C-00342
Cilostamide, C-00346
▷Clavulanic acid, C-00410
▷Coformycin, C-00532
Crotoxyphos, C-00571
Dazoxiben, D-00029
▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, D-00035
▷Diazinon, D-00149
4-[3-(3,5-Di-*tert*-butylphenyl)-3-oxo-1-propenyl]benzoic acid, D-00174
▷Dichlofenthion, D-00176
Difloxacin, D-00268
▷1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-00300
▷Dimetilan, D-00457
▷1,3-Dioxo-1*H*-benz[*de*]isoquinoline-2(3*H*)-acetic acid, D-00478

Emiglitate, E-00038
Epiroprim, E-00084
Estate, E-00125
Etazolate, E-00143
▷Famphur, F-00015
▷Fenchlorphos, F-00039
▷Fenitrothion, F-00057
▷Fenthion, F-00078
N-Formylleucine 1-[(3-hexyl-4-oxo-2-oxetanyl)methyl]-dodecyl ester, *in* L-00055
Furegrelate, F-00289
Gabexate, G-00001
Imipenem, I-00039
Imirestat, I-00041
Kelatorphan, K-00007
Lignosulfonic acid, L-00048
Lipstatin, L-00055
▷Malathion, M-00013
1-Methylandrosta-1,4-diene-3,17-dione, M-00223
3-[3-Methyl-1-(3-methylbutylcarbamoyl)butylcarbamoyl]-2-oxiranecarboxylic acid, M-00266
2-Methyl-4-nitro-1-(4-nitrophenyl)-1*H*-imidazole, M-00274
Midazogrel, M-00367
Miglitol, M-00373
Morphothebaine, M-00452
Nafamostat, N-00009
▷Neostigmine(1+), N-00070
Ozagrel, O-00168
▷Pepstatin *A*, 9CI, P-00109
7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, P-00205
▷5-[(Phenylsulfonyl)amino]-1,3,4-thiadiazole-2-sulfonamide, P-00208
▷Phoxim, P-00221
Piritrexim, P-00338
Pirmagrel, P-00341
Ponalrestat, P-00387
Pyratrione, P-00559
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, P-00564
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, P-00565
Ribocitrin, R-00037
Silychristin, S-00070
Sorbinil, S-00104
Sparfosic acid, S-00108
▷Strychnine, S-00167
Sulbactam pivoxil, *in* P-00065
Tazobactam, T-00043
Tendamistat, T-00067
▷Tetraethyl pyrophosphate, T-00112
4-[[(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-amino]carbonyl]benzoic acid, T-00131
▷Tetroxoprim, T-00158
Tolrestat, T-00370
Tomatidine, T-00374
Tomoglumide, T-00376
Ulinastatin, U-00005

Expectorants

▷Ambroxol, A-00170
▷Antimony potassium tartrate, A-00414
▷Benzoic acid, B-00092
Bromhexine, B-00289
▷Camphor, C-00023
Cephaeline, C-00172
▷Cineole, C-00360
Cistinexine, C-00399
Eprazinone, E-00091
▷Glycyrrhizic acid, G-00073
Guacetisal, G-00089
▷Guaiphenesin, G-00095
Guaithylline, *in* T-00169
Hydroxymethoxybenzenesulfonic acid, H-00147
4-Hydroxy-α,α,4-trimethylcyclohexanemethanol, H-00216
▷2-(1-Iodoethyl)-1,3-dioxolane-4-methanol, I-00103
10-(Methylsulfonyl)decanenitrile, M-00307
▷Potassium iodide, P-00392
▷Sodium iodide, S-00088
Tartaric acid, T-00028
▷L-Threaric acid, *in* T-00028
▷Tipepidine, T-00311

Fibrinolytic agents

Alteplase, A-00156
Anistreplase, A-00397
▷Batroxobin, B-00017
▷2-(4-Biphenylyl)butanoic acid, B-00179
Bisobrin, B-00232
Brinolase, B-00273
Defibrotide, D-00045
Hyalosidase, H-00091
Inicarone, I-00071
Ocrase, O-00003
Plasmin, P-00370
Saruplase, S-00026
▷Streptokinase, S-00160
Sulotroban, S-00234
Tizabrin, T-00329
▷Urokinase, U-00016

Gallstone dispersing agents

3,7-Bis(sulfooxy)cholan-24-oic acid, B-00236
▷Chenodeoxycholic acid, *in* D-00320
▷Ursodeoxycholic acid, *in* D-00320

Ganglion blocking agents

Azamethonium(2+), A-00499
Benzoquinonium(2+), B-00096
3-[(*p*-Butoxybenzoyl)oxy]-2-methylbutyl]triethyl-ammonium(1+), B-00420
Dicolinium(2+), D-00215
Dimecamine, D-00375
Dimecolonium(2+), D-00376
▷2,6-Dimethylpiperidine, D-00448
Distigmine(2+), D-00540
Fubrogonium(1+), F-00272
▷Ganglefene, G-00010
▷Hexamethonium(2+), H-00055
▷Mecamylamine, M-00041
Methylbenactyzium(1+), M-00227
Pancuronium(2+), P-00012
Pentacynium(2+), P-00076
Pentamethonium (2+), P-00084
▷1,2,2,6,6-Pentamethylpiperidine, P-00085
Pentolium(2+), P-00102
Phenactropinium(1+), P-00137
Stilonium(1+), S-00155
▷Tetraethylammonium(1+), T-00111
▷1,2,3,6-Tetrahydro-1,2,2,6,6-pentamethylpyridine, *in* T-00132
Tetramethylammonium(1+), T-00144
Tiametonium(2+), T-00237
Trepirium(2+), T-00413
Trimethaphan(1+), T-00498
Trimethidinium(2+), T-00499
Truxicurium(2+), T-00562

Gastric secretion inhibitors

Benexate, B-00048
Benzotript, *in* T-00567
Bisfentidine, B-00214
Buzepide, B-00434
▷Clocanfamide, C-00440
Darenzepine, D-00015
11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, D-00334

(Dimethylamino)trimethylpyrazine, D-00423
N,*N*-Dimethyl-*N'*-(2-diisopropylaminoethyl)-*N'*-(4,6-dimethyl-2-pyridinyl)urea, D-00428
Disuprazole, D-00544
Ebrotidine, E-00002
Enprostil, E-00067
Epidermal growth factor, E-00075
Fenoctimine, F-00061
▷Isopropamide(1+), I-00199
Lorglumide, L-00096
Loxiglumide, L-00107
Lucartamide, L-00111
Meciadanol, *in* P-00081
Methantheline(1+), M-00169
Mexiprostil, M-00352
Misoprostol, M-00396
Nilprazole, N-00141
Nocloprost, N-00195
Nolinium(1+), N-00199
Nuvenzipine, N-00233
Omeprazole, O-00044
Oxoprostol, O-00137
Picartamide, P-00231
Picoprazole, P-00240
▷Pifarnine, P-00245
Pirenzepine, P-00321
Prindamine, P-00438
▷Proglumide, P-00468
Quisultazine, Q-00039
Ramixotidine, R-00009
Rioprostil, R-00061
Rolgamidine, R-00075
Sufotidine, S-00179
Telenzepine, T-00057
5,6,7,8-Tetrahydro-4-methylquinoline-8-carbothiamide, T-00128
Timoprazole, T-00289
Tiquinamide, T-00320
Tomoglumide, T-00376
Triletide, T-00488
Trimoprostil, T-00517
▷Tritiozine, T-00540
Ufiprazole, U-00003

Gastrointestinal agents

▷5-Amino-2-hydroxybenzoic acid, A-00266
Amogastrin, A-00354
Baxitozine, B-00018
Carnitine, C-00084
Cisapride, C-00396
Denipride, D-00073
Desglugastrin, D-00094
Difenoximide, D-00264
(Glycinato-*N*,*O*)dihydroxyaluminum, G-00067
▷Nifuroxazide, N-00126
▷Pentagastrin, P-00079
2,3,4,5-Tetrahydro-3-(methylamino)-1-benzoxepin-5-ol, T-00122
▷Zolimidine, Z-00031

Glucocorticoids

▷(6α,11β)-21-(Acetyloxy)-11,17-dihydroxy-6-methylpregna-1,4-diene-3,20-dione, *in* M-00297
Acrocinonide, *in* T-00419
Amcinafal, *in* T-00419
Amebucort, A-00178
▷Beclometasone dipropionate, JAN, *in* B-00024
Beclometasone valeroacetate, *in* B-00024
Beclomethasone, B-00024
6-Chloro-17,21-dihydroxypregna-1,4-diene-3,11,20-trione, C-00232
Cicortonide, C-00338
Clocortolone, C-00444
Clocortolone acetate, *in* C-00444
Clocortolone caproate, *in* C-00444
Clocortolone pivalate, *in* C-00444
Cloprednol, C-00489
Corticoderm, *in* F-00207
▷Cortisol, C-00548
▷Cortisone, C-00549
▷Cortisone acetate, *in* C-00549
Cortivazol, C-00551
Cyclomethasone, C-00624
Descinolone, D-00092
▷Descinolone acetonide, *in* D-00092
▷Desonide, D-00101
Desonide pivalate, *in* D-00101
▷Desoximetasone, D-00102
▷Dexamethasone, D-00111
Dexamethasone; 21-Sulfate, *in* D-00111
Dexamethasone acefurate, *in* D-00111
▷Dexamethasone acetate, *in* D-00111
Dexamethasone diethylaminoacetate, *in* D-00111
▷Dexamethasone isonicotinate, *in* D-00111
Dexamethasone linoleate, *in* D-00111
Dexamethasone metasulphobenzoate, *in* D-00111
Dexamethasone palmitate, *in* D-00111
▷Dexamethasone phosphate, *in* D-00111
Dexamethasone pivalate, *in* D-00111
Dexamethasone succinate, *in* D-00111
Dexamethasone tert-butylacetate, *in* D-00111
Dexamethasone 21-(3,6,9-trioxaundecanoate), *in* D-00111
▷Dexamethasone valerate, *in* D-00111
Diflorasone, D-00267
Diflorasone diacetate, *in* D-00267
Diflucortolone, D-00270
Diflucortolone pivalate, *in* D-00270
▷Diflucortolone valerate, JAN, *in* D-00270
Difluprednate, D-00273
11,17-Dihydroxy-21-mercapto-4-pregnene-3,20-dione, D-00328
11,17-Dihydroxy-6-methyl-21-[[8-[methyl(2-sulfoethyl)amino]-1,8-dioxooctyl]oxy]pregna-1,4-diene-3,20-dione, *in* M-00297
17,21-Dihydroxy-16-methyl-1,4-pregnadiene-3,11,20-trione; 16α-*form*, *in* D-00336
17,21-Dihydroxy-4-pregnene-3,20-dione, D-00349
Dimesone, D-00386
Doxybetasol, D-00597
Endrysone, E-00052
▷Fluazacort, F-00131
Fluclorolone acetonide, F-00138
▷Flumethasone, F-00156
Flumethasone acetate, *in* F-00156
Flumethasone pivalate, *in* F-00156
Flumoxonide, F-00163
Flunisolide acetate, *in* F-00167
▷Flunisolide, F-00167
▷Fluocinolone, F-00172
▷Fluocinolone acetonide, *in* F-00172
▷Fluocinonide, F-00173
Fluocortin, F-00174
▷Fluocortin butyl, *in* F-00174
▷Fluocortolone, F-00175
Fluocortolone caproate, *in* F-00175
Fluocortolone pivalate, *in* F-00175
Fluorometholone, F-00186
Fluorometholone acetate, *in* F-00186
Flupamesone, F-00196
Fluperolone, F-00201
Fluperolone acetate, *in* F-00201
Fluprednidene, F-00207
Fluprednisolone, F-00208
Fluprednisolone acetate, *in* F-00208
Fluprednisolone hemisuccinate, *in* F-00208
Fluprednisolone valerate, *in* F-00208
▷Flurandrenolone, F-00215
▷Formocortal, F-00246
▷Halcinonide, H-00004

Halocortolone, H-00006
Halometasone, H-00010
Halopredone, H-00016
▷Halopredone acetate, *in* H-00016
Hydrocortisene 21-xanthogenic acid, *in* C-00548
Hydrocortisone aceponate, *in* C-00548
▷Hydrocortisone acetate, *in* C-00548
▷Hydrocortisone bendazac, *in* C-00548
▷Hydrocortisone butyrate, *in* C-00548
▷Hydrocortisone 17-butyrate 21-propionate, *in* C-00548
Hydrocortisone cypionate, *in* C-00548
Hydrocortisone hemisuccinate, *in* C-00548
▷Hydrocortisone phosphate, *in* C-00548
Hydrocortisone tebutate, *in* C-00548
Hydrocortisone valerate, *in* C-00548
21-Hydroxy-4-pregnene-3,11,20-trione, H-00204
3-Hydroxy-5-pregnen-20-one, H-00205
Isoprednidene, I-00197
Locicortone, L-00068
Mazipredone, M-00030
Medrol stabisol, *in* M-00297
▷Medrysone, M-00060
Meprednisone hydrogen succinate, *in* D-00336
▷Methylprednisolone, M-00297
Methylprednisolone aceponate, *in* M-00297
Mometasone furoate, *in* M-00426
Nivazol, N-00191
Paramethasone, P-00025
Paramethasone; 21-Phosphate, *in* P-00025
▷Paramethasone acetate, *in* P-00025
Prebediolone acetate, *in* H-00205
Prednicarbate, P-00410
Prednisolamate, *in* P-00412
▷Prednisolone, P-00412
▷Prednisolone acetate, *in* P-00412
Prednisolone *tert*-butylacetate, *in* P-00412
Prednisolone hydrogen tetrahydrophthalate, *in* P-00412
Prednisolone palmitate, *in* P-00412
Prednisolone piperidinoacetate, *in* P-00412
Prednisolone pivalate, *in* P-00412
Prednisolone stearoylglycolate, *in* P-00412
Prednisolone succinate, *in* P-00412
Prednisolone *m*-sulfobenzoate, *in* P-00412
▷Prednisolone valerate, *in* P-00412
▷Prednisolone valeroacetate, *in* P-00412
▷Prednisone, P-00413
▷Prednisone acetate, *in* P-00413
Prednisone palmitate, *in* P-00413
Prednisone succinate, *in* P-00413
Prednylidene, P-00414
Prednylidene diethylaminoacetate, *in* P-00414
Pregnenolone acetate, *in* H-00205
Pregnenolone succinate, *in* H-00205
Procinonide, P-00452
Promestriene, P-00477
Rimexolone, R-00057
Timobesone, T-00286
Timobesone acetate, *in* T-00286
Tipredane, T-00314
Tralonide, T-00394
▷Triamcinolone, T-00419
▷Triamcinolone acetonide, *in* T-00419
Triclonide, T-00452
Ulobetasol, U-00006
Ulobetasol propionate, *in* U-00006

Gout suppressants

Amflutizole, A-00184
Benzmalecene, B-00088
Ciapilome, C-00321
▷Colchicine; (*S*)-*form*, *in* C-00534
▷1,5-Dihydro-4*H*-pyrazolo[3,4-*d*]pyrimidin-4-one, D-00300
Ethebenecid, E-00152
▷Probenecid, P-00444
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4,6(5*H*,7*H*)-dione, P-00564
1*H*-Pyrazolo[3,4-*d*]pyrimidine-4-thiol, P-00565

H_1-receptor antagonists

▷Antazoline, A-00400
▷Astemizole, A-00466
Azatadine, A-00512
▷4-(*N*-Benzylanilino)-1-methylpiperidine, B-00106
Bromodiphenhydramine, B-00299
Brompheniramine, B-00325
Cetirizine, C-00184
▷Chlorcyclizine, C-00198
▷Chlorpheniramine, C-00292
1-(2-Ethoxyethyl)-2-(hexahydro-4-methyl-1*H*-1,4-diazepin-1-yl)-1*H*-benzimidazole, E-00165
Icotidine, I-00014
Loratadine, L-00092
α-Methylhistamine, M-00260
Tazifylline, T-00041
Temelastine, T-00060

H_2-receptor antagonists

2-(Acetyloxy-*N*-[3-[3-(1-piperidinylmethyl)phenoxy]propyl]-acetamide, *in* R-00097
▷Cimetidine, C-00350
Donetidine, D-00577
Etintidine, E-00237
▷Famotidine, F-00013
Icotidine, I-00014
Impromidine, I-00046
Lamtidine, L-00007
Loxtidine, L-00109
Lupitidine, L-00113
▷Metiamide, M-00316
Mifentidine, M-00370
Niperotidine, N-00153
Oxmetidine, O-00124
Ramixotidine, R-00009
▷Ranitidine, R-00011
Roxatidine, R-00097
▷Tiotidine, T-00305
Tiquinamide, T-00320
Tuvatidine, T-00576
Zaltidine, Z-00004

Haematinic agents

▷Cobaltous chloride, C-00522
Dextriferron, *in* D-00114
Erythropoietin, E-00117
▷Ferric chloride, F-00087
Ferric fructose, F-00088
Ferriclate calcium sodium, F-00089
▷Ferrocholinate, *in* C-00308
Ferrotrenine, F-00091
Ferrous citrate, F-00092
▷Ferrous fumarate, *in* F-00274
▷Ferrous gluconate, F-00093
▷Ferrous sulfate, F-00094
Gleptoferron, G-00030
▷Iron sorbitex, *in* G-00054
Polyferose, P-00383
▷Sodium ironedetate, *in* E-00186
(3,5,5-Trimethylhexanoyl)ferrocene, T-00509

Haemostatic agents

▷Adrenalone, A-00076
▷6-Aminohexanoic acid, A-00259
4-(Aminomethyl)cyclohexanecarboxylic acid, A-00281
▷4-Amino-2-methyl-1-naphthol, A-00285
Angioftal, *in* O-00125

▷Aprotinin, A-00432
▷Batroxobin, B-00017
▷Benzarone, B-00071
▷Calcium dobesilate, *in* D-00313
Carbazochrome, *in* A-00077
Cotarnine, C-00552
Dicresulene, D-00216
3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]-propanoic acid, D-00288
2,5-Dihydroxy-1,4-benzenedisulfonic acid, D-00312
Diosmin, *in* T-00476
▷Ellagic acid, E-00026
Esculamine, E-00121
▷Ethamsylate, *in* D-00313
Ethoxazorutoside, *in* R-00106
Etipirium(1+), E-00238
▷Factor *IX*, F-00004
Factor *V*, F-00001
Factor *VII*, F-00002
Factor *VIII*, F-00003
Factor *X*, F-00005
Factor *XIII*, F-00007
Factor *XIV*, F-00008
Fibrinogen, F-00103
▷Glycyrrhizic acid, G-00073
3,3′,4,4′,5,7-Hexahydroxyflavan, H-00054
▷Hydrastine, H-00095
[(7-Hydroxy-4-methyl-2-oxo-2*H*-1-benzopyran-6-yl)oxy]acetic acid, *in* D-00332
▷5-Hydroxy-1,4-naphthoquinone, H-00179
Iprazochrome, I-00156
Menadoxime, M-00087
▷Menatetrenone, M-00088
▷2-Methyl-1,4-naphthoquinone, M-00271
Mobecarb, M-00411
Monoxerutin INN, *in* R-00106
Naftazone, N-00022
8-L-Ornithinevasopressin, V-00013
Oxamarin, O-00081
Phenacyl pivalate, *in* H-00107
Phytonadiol diphosphate, P-00228
Polyphyllin D, *in* S-00129
▷Rutin, R-00106
Sulmarin, *in* D-00332
Terlipressin, T-00093
▷Thrombin, T-00221
Trillin, *in* S-00129
Vitamin K_2, V-00065

Hormones, glucocorticoid

Ticabesone, T-00253

Hormones, gonadotrophic

Fertirelin, F-00096
▷Follitropin, F-00238
▷Gonadotropin, G-00080
▷Leuprorelin, L-00035
▷Luteinizing hormone-releasing factor, L-00116
▷Lutropin, L-00118
Serum gonadotrophin, S-00053

Hormones, mineralocorticoid

▷Corticosterone, C-00546
Salcatonin, S-00013

Hormones, pituitary

Corticoliberin, C-00545
Human pituitary growth hormone, H-00090
Lipotropin, L-00054
Melanostatin, M-00074
β-Melanotropin, M-00075
▷Somatostatin, S-00098
Somatrem, S-00099
Sometribove, BAN, INN, USAN, S-00099
Sometripor, BAN, INN, USAN, S-00099
Thymopoietin, T-00226
▷Thyroliberin, T-00229
▷Thyrotrophin, T-00232

Hormones, thyroid

Teriparatide, T-00091
Thyroglobulin, T-00228
▷Thyroliberin, T-00229
Thyromedan, T-00230
▷Thyrotrophin, T-00232
▷Thyroxine, T-00233
▷Tiratricol, T-00322
3,3′,5-Triiodothyronine, T-00487

Hypertensive agents

3-(2-Aminopropyl)phenol, A-00321
Angiotensinamide, *in* A-00385
Dimetofrine, D-00459
2-(Diphenylmethylene)butylamine, D-00497
▷Methoxamine, M-00194
3-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl -2,4(1*H*,3*H*)-quinazolinedione, M-00213
1-Methylisoguanosine, M-00265
▷Synephrine, S-00286
Tetraminol, T-00150

Hypnotics

Acebrochol, *in* D-00162
Acevaltrate, *in* V-00006
5-Allyl-5-ethylbarbituric acid, A-00129
5-Allyl-5-isopropyl-1-methylbarbituric acid, A-00130
Alonimid, A-00142
▷Aprobarbital, A-00430
▷2,2-Bis(ethylsulfonyl)butane, B-00211
3,3-Bis(ethylsulfonyl)pentane, *in* B-00213
▷2,2-Bis(ethylsulfonyl)propane, B-00212
Brallobarbital, B-00265
▷5-(2-Bromoallyl)-5-*sec*-butylbarbituric acid, B-00290
▷5-(2-Bromoallyl)-5-isopropylbarbituric acid, B-00291
▷2-Bromo-2-ethylbutanamide, *in* B-00297
▷*N*-(2-Bromo-2-ethylbutanoyl)urea, B-00300
2-Bromo-2-ethyl-3-methylbutyramide, B-00301
▷*N*-(2-Bromo-3-methylbutanoyl)urea, B-00307
Brotizolam, B-00329
▷Butabarbital, B-00380
▷Butalbital, B-00386
▷5-Butyl-5-ethylbarbituric acid, B-00430
Capuride, C-00035
Carbocloral, *in* T-00438
Carburazepam, C-00069
▷Carfimate, *in* P-00204
Chloralose, C-00193
Chlorhexadol, C-00205
▷5-(2-Chloroethyl)-4-methylthiazole, C-00238
▷3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, C-00272
▷Cyclobarbitone, C-00596
▷5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, C-00629
▷5,5-Diallylbarbituric acid, D-00119
▷Dichloralphenazone, *in* T-00433
▷Diethylallylacetamide, *in* D-00251
▷3,3-Diethyl-5-methyl-2,4-piperidinedione, D-00249
3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, D-00250
▷3,3-Diethyl-2,4(1*H*,3*H*)-pyridinedione, D-00255
▷5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00256
4,6-Dimethyl-3(2*H*)-pyridazinone, D-00450

▷Doxefazepam, D-00593
Endixaprine, E-00046
▷Estazolam, E-00126
▷Etaqualone, E-00140
▷Ethchlorvynol, E-00151
▷Ethinamate, E-00154
▷Ethyl carbamate, E-00177
▷5-Ethyl-5-(1-ethylbutyl)-2,4,6-(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00188
N-(2-Ethylhexyl)-3-hydroxybutanamide, E-00192
▷5-Ethyl-5-phenyl-2,4-imidazolinedione, E-00215
3-Ethyl-3-phenyl-2,6-piperazinedione, E-00216
▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
▷2-Ethyl-2-phenyl-1,4-thiazane-3,5-dione, E-00219
▷Etodroxizine, E-00246
▷Febarbamate, F-00022
Fepitrizol, F-00083
▷Flunitrazepam, F-00168
▷Flurazepam, F-00217
Fosazepam, F-00253
▷Glutethimide, G-00061
▷Haloxazolam, H-00020
▷Heptabarbitone, H-00027
▷Hexapropymate, H-00061
▷Hexobarbital, H-00065
4-Hydroxybutanoic acid, H-00118
▷2-(2-Hydroxyphenyl)-1,3,4-oxadiazole, H-00192
Loprazolam, L-00089
Lormetazepam, L-00097
Mecloxamine, M-00050
▷Methaqualone, M-00172
▷Methitural, M-00184
▷3-Methyl-1-pentyn-3-ol, M-00281
Midazolam, M-00368
Nealbarbitone, N-00055
▷Nimetazepam, N-00147
Nisobamate, N-00158
▷Nitrazepam, N-00170
▷Paraldehyde, P-00023
Penthrichloral, P-00096
▷Pentobarbitone, P-00101
▷Perimetazine, P-00122
▷Perlapine, P-00126
▷Petrichloral, P-00132
Phenadoxone, P-00138
Phenomidon, *in* E-00218
▷2-Phthalimidoglutarimide, P-00223
Piriqualone, P-00335
▷Probarbital, P-00443
Profexalone, P-00463
Propoxate, P-00509
▷Quazepam, Q-00004
Rilmazafone, R-00051
Roletamide, R-00074
Supidimide, S-00272
Suriclone, S-00278
Taglutimide, T-00003
▷Temazepam, *in* O-00096
▷1,3,5-Triazine-2,4,6-triol, T-00423
▷Triazolam, T-00425
▷2,2,2-Tribromoethanol, T-00428
▷2,2,2-Trichloro-1,1-ethanediol, T-00433
▷2,2,2-Trichloroethanol, T-00434
▷2,2,2-Trichloroethanol carbonate, T-00435
▷1,1,1-Trichloro-2-methyl-2-propanol, T-00440
▷Triclofos, T-00450
▷Vinbarbitone, V-00031
Vinylbitone, V-00046
Zolpidem, Z-00033
▷Zopiclone, Z-00037

Hypocholesterolaemic agents

Acefylline clofibrol, *in* A-00011
Acetiromate, A-00022
Acitemate, A-00040
4,4a-Dihydromevinolin, *in* M-00348
Aluminum clofibrate, *in* C-00456
Anisacril, A-00394
Azacosterol, A-00495
Beclobrate, *in* B-00023
Beclobrinic acid, B-00023
▷Benfluorex, B-00050
Benzmalecene, B-00088
▷Bezafibrate, B-00148
▷2-(4-Biphenylyl)butanoic acid, B-00179
▷1,10-Bis(2-hydroxyethylthio)decane, B-00217
Calcium clofibrate, *in* C-00456
▷Cholestyramine resin, C-00307
▷Clinofibrate, C-00429
Clinolamide, *in* O-00007
Clodoxopone, C-00449
Clofibrate, *in* C-00456
▷Clofibric acid, C-00456
Clomestrone, C-00467
▷Colextran, *in* D-00113
Compactin, C-00539
▷Cyasterone, C-00584
Derpanicate, D-00090
▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456
▷5-(2,5-Dimethylphenoxy)-2,2-dimethylpentanoic acid, D-00443
Eniclobrate, E-00055
Eritadenine, E-00110
Etiroxate, E-00241
Feneritrol, F-00046
▷Fludoxopone, F-00146
Fosmenic acid, F-00256
▷Furazabol, F-00283
3-Hydroxy-8(14)-cholesten-15-one, H-00121
β-Hydroxymevinolin, *in* M-00348
Magnesium clofibrate, *in* C-00456
▷Melinamide, M-00080
Mepiroxol, *in* P-00573
2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate, M-00277
Metibride, M-00318
▷Mevinolin, M-00348
Moctamide, M-00416
▷Moquizone, M-00436
▷Niceritrol, N-00090
▷Nicofibrate, N-00097
▷Nicomol, N-00100
Normosterol, *in* P-00077
6,9,12-Octadecatrienoic acid, O-00009
Oxiniacic acid, *in* P-00571
Picafibrate, P-00230
Pirifibrate, P-00328
▷Pirinixic acid, P-00332
▷Pirinixil, P-00333
Pirozadil, P-00354
Polidexide, P-00379
Pravastatin, P-00403
Probucol, P-00445
Roxibolone, R-00098
Salafibrate, S-00005
▷Simfibrate, S-00074
▷Theofibrate, T-00168
Thyromedan, T-00230
Thyropropic acid, T-00231
▷Thyroxine, T-00233
Tiadenol nicotinate, *in* B-00217
Tiafibrate, *in* B-00217
Tibric acid, T-00252
Timefurone, T-00281
Timofibrate, T-00287
▷Tocofibrate, T-00334
Trethocanic acid, T-00417
4′-(Trifluoromethyl)[1,1′-biphenyl]-2-carboxylic acid, T-00465

3,3',5-Triiodothyronine, T-00487
8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]octanoic acid, T-00525
Xenthiorate, X-00009

Hypoglycaemic agents

▷Acetohexamide, A-00023
2-Amino-5-hydroxybenzoic acid, A-00262
Benfosformin, B-00051
Butadiazamide, B-00383
Butoxamine, B-00418
▷1-Butylbiguanide, B-00428
▷Carbutamide, C-00070
▷Chlorpropamide, C-00299
Ciglitazone, C-00339
Clomoxir, C-00474
▷Cyasterone, C-00584
N-Cyclooctyl-*N'*-(4-methylbenzenesulfonyl)urea, C-00626
1,1-Decamethylenediguanidine, D-00037
▷*N*,*N*-Dimethylimidodicarbonimidic diamide, D-00432
Etoformin, E-00251
Etomoxir, E-00259
Gliamilide, G-00031
▷Glibenclamide, G-00032
Glibornuride, G-00033
Glibutimine, G-00034
Glicaramide, G-00035
Glicetanile, G-00036
▷Gliclazide, G-00037
Glicondamide, G-00038
Glidazamide, G-00039
Gliflumide, G-00040
Glipizide, G-00042
Gliquidone, G-00043
Glisamuride, G-00044
Glisentide, G-00045
Glisindamide, G-00046
▷Glisolamide, G-00047
▷Glisoxepide, G-00048
▷Glucagon, G-00051
▷Glybuthiazol, G-00062
▷Glybuzole, G-00063
▷Glyclopyramide, G-00068
▷Glycyclamide, G-00071
Glyhexamide, G-00074
▷Glymidine, G-00075
Glyparamide, G-00076
Glypinamide, G-00077
Glyprothiazol, G-00078
4-Guanidinobutyramide, *in* G-00110
Heptolamide, H-00032
Hydroxyhexamide, H-00137
Hypoglycin *A*, H-00224
▷Hypoglycin *B*, H-00225
▷Insulin, I-00076
Insulin argine, I-00077
▷Isobuzole, I-00180
▷Meglitinide, M-00071
▷Metahexamide, M-00146
Midaglizole, M-00365
Nicoclonate, N-00094
▷Phenformin, P-00154
Pirogliride, P-00345
Sorbinil, S-00104
▷Tecomanine, T-00049
2-Tetradecyloxiranecarboxylic acid, T-00110
Thiohexamide, T-00203
▷Tolazamide, T-00344
▷Tolbutamide, T-00345
Tolpentamide, T-00363
Tolpyrramide, T-00368
(Xylosylamino)benzoic acid, X-00025

Immunostimulants

4-Amino-1,3-diazabicyclo[3.1.0]hex-3-en-2-one, A-00237
Amiprilose, A-00345
Antibiotic FK 156, A-00406
▷Azimexon, A-00524
2-Benzimidazolepropionic acid, B-00083
▷Bestatin, B-00138
Bucillamine, B-00337
Ciamexon, C-00318
Cyclizidine, C-00594
Globulin, Immune, G-00049
Guacetisal, G-00089
Idebenone, I-00017
▷Inosine pranobex, *in* I-00073
Interleukin-1, I-00080
Interleukin-2, I-00081
Interleukin-3, I-00082
Interleukin-4, I-00083
Interleukin-5, I-00084
Interleukin-6, I-00085
Lobenzarit, L-00066
Lotifazole, L-00103
Murabutide, M-00470
Oxamisole, O-00083
Pimelautide, P-00255
Roquinimex, R-00091
Serum thymic factor, S-00054
Tabilautide, T-00001
Teceleukin, *in* I-00081
▷Tetramisole, T-00151
Thymocartin, T-00223
Tilomisole, T-00276
Tiprotimod, T-00319

Immunosuppressants

3-Acetyl-5-(4-fluorobenzylidene)-4-hydroxy-2-oxo-2,5-dihydrothiophene, A-00032
Adamantoylcytarabine, *in* C-00667
4-Amino-*N*-(2-aminophenyl)benzamide, A-00208
2-Amino-9-(2-deoxy-*erythro*-pentofuranosyl)-1,9-dihydro-6*H*-purine-6-thione, A-00236
▷4-Amino-2',3-dimethylazobenzene, A-00251
Azarole, A-00508
▷Azathioprine, A-00513
Bofumustine, B-00248
▷Bredinin, B-00267
▷Cyclophosphamide, C-00634
▷Cyclosporin *A*, C-00638
▷2,2'-Dichloro-*N*-methyldiethylamine, D-00193
FK 506, F-00108
▷Fotrin, F-00262
Frentizole, F-00264
GSN (as disodium salt), *in* G-00082
▷Ifosfamide, I-00021
▷Imidazole mustard, I-00030
Meciadanol, *in* P-00081
▷Mitoclomine, M-00399
Napirimus, N-00046
Nosantine, N-00226
Nuclomedone, N-00230
▷Oxisuran, O-00120
4-Phenyl-2-[(2-phenylethyl)amino]thiazole, P-00195
▷Protamines, P-00531
▷Pumitepa, P-00556
▷Razoxane, R-00016
Ristianol, R-00064
Splenopentin, S-00135
▷Sufosfamide, S-00178
▷Thiamiprine, T-00178
▷Thiotepa, T-00211
Thymopentin, T-00225
▷Triptolide, T-00530
Tumour necrosis factor, T-00575

Insecticides

▷Allethrin, A-00124

Antibiotic LL-F28249α, A-00408
Beauvericin, B-00020
▷Bendiocarb, B-00046
Benoxafos, B-00058
Benzodepa, B-00091
▷Benzyl benzoate, *in* B-00092
▷Bromocyclen, B-00295
▷Bromophos, B-00316
▷Butonate, B-00413
▷Butopyronoxyl, B-00416
▷Carbon disulfide, C-00058
▷Carbophenothion, C-00060
▷Chlorfenvinphos, C-00203
Clenpyrin, C-00420
▷Coumaphos, C-00555
Crotoxyphos, C-00571
▷Crufomate, C-00572
Cyfluthrin, C-00642
Cypothrin, C-00644
Cyromazine, C-00653
▷Diazinon, D-00149
▷Dichlofenthion, D-00176
▷1,1-Dichloro-2-(2-chlorophenyl)-2-(4-chlorophenyl)ethane, D-00180
3,4-Dichloro-α-(trichloromethyl)benzyl alcohol, D-00204
▷Dichlorvos, D-00207
▷Dieldrin, D-00222
2,7-Dimethylthianthrene, D-00456
▷Dimetilan, D-00457
▷Dioxathion, D-00475
▷Dixanthogen, D-00556
Etofenoprox, E-00249
▷Famphur, F-00015
▷Fenchlorphos, F-00039
Fenfluthrin, F-00051
▷Fenitrothion, F-00057
▷Fenthion, F-00078
Flumethrin, F-00158
▷Gamma benzene hexachloride, *in* H-00038
Gossypol; (±)-*form*, *in* G-00082
▷Iodofenphos, I-00104
▷Malathion, M-00013
Methoprene, M-00189
▷Monosulfiram, M-00430
▷1-Naphthalenyl methylcarbamate, *in* M-00238
Nicotine, N-00103
Nifluridide, N-00114
▷Paraoxon, P-00027
▷Permethrin, P-00128
Phenothrin, P-00169
▷Phosmet, P-00213
▷Phoxim, P-00221
▷Piperonyl butoxide, P-00293
▷Pirimiphos-ethyl, P-00329
▷Pirimiphos-methyl, P-00330
▷Pyrimitate, P-00587
7-Quinolinecarboxylic acid, Q-00030
▷Quintiofos, Q-00034
▷Ryanodine, R-00108
▷Temephos, T-00061
▷Tetrachlorvinphos, T-00107
▷Tetraethyl pyrophosphate, T-00112
▷Tetramethrin, T-00143
▷1,1,1-Trichloro-2,2-bis(4-chlorophenyl)ethane, T-00432
▷Trichlorphon, T-00443
▷Verrucarin *A*, V-00023

Keratolytic agents

▷3-Acetoxyphenol, *in* B-00073
▷Alcloxa, *in* A-00123
Aldioxa, *in* A-00123
▷1,3-Benzenediol, B-00073
Dibenzothiophene, D-00160
▷Dibenzoyl peroxide, D-00161
▷2-Hydroxybenzoic acid, H-00112
Motretinide, M-00456
Retinoic acid, R-00033
Tetrahydroxy-1,4-benzoquinone, T-00137
Thioxolone, T-00214
5-(Triphenylmethyl)-2-pyridinecarboxylic acid, T-00526
▷Urea, U-00011

Lipid regulating agents

Acarbose, A-00005
Acetiromate, A-00022
▷Acipimox, *in* M-00302
Aluminum clofibrate, *in* C-00456
Aronixil, A-00446
▷Benfluorex, B-00050
N-(Benzyloxy)-*N*-(3-phenylpropyl)acetamide, B-00125
▷Bezafibrate, B-00148
Biclofibrate, B-00154
2-(4-Biphenylyl)-4-hexenoic acid, B-00180
Bis(3,5-di-*tert*-butyl-4-hydroxyphenyl)acetic acid, B-00203
▷1,10-Bis(2-hydroxyethylthio)decane, B-00217
Boxidine, B-00263
Calcium clofibrate, *in* C-00456
3-Chloro-1-(1*H*-imidazol-1-yl)-4-phenylisoquinoline, C-00251
Ciclonicate, *in* T-00506
Cinnarizine clofibrate, *in* C-00372
▷Ciprofibrate, C-00389
▷Clinofibrate, C-00429
Clodoxopone, C-00449
Clofibrate, *in* C-00456
▷Clofibric acid, C-00456
Colestipol, *in* D-00245
Compactin, C-00539
Derpanicate, D-00090
4,5-Dihydro-5-methyl-4-oxo-5-phenyl-2-furancarboxylic acid, D-00290
2,3:4,6-Di-*O*-isopropylidene-β-L-*xylo*-2-hexulosonic acid, *in* H-00070
▷4-(Dimethylamino)-4-oxobutyl 2-(4-chlorophenoxy)-2-methylpropanoate, *in* C-00456
Dulofibrate, D-00618
Eniclobrate, E-00055
Ethyl 2-methyl-2-[(9-oxo-9*H*-xanthen-3-yl)oxy]propanoate, E-00202
Etiroxate, E-00241
Etofibrate, E-00250
Fenirofibrate, F-00055
▷Fenofibrate, *in* F-00062
D-Glucitolhexanicotinate, *in* G-00054
Glucosamine pentanicotinate, *in* A-00235
Halofenate, H-00008
▷Heparin, H-00026
(1-Hydroxyethylidene)bisphosphonic acid, H-00132
▷3-Hydroxy-3-methylpentanedioic acid, H-00170
▷Inositol nicotinate, *in* I-00074
Itanoxone, I-00220
Lifibrate, L-00046
Lodazecar, L-00069
Lodinixil, L-00070
Magnesium clofibrate, *in* C-00456
▷Methionine; (*S*)-*form*, *in* M-00183
2-Methyl-3-oxo-2-azabicyclo[2.2.2]oct-6-yl β-methyl[1,1′-biphenyl]-4-pentanoate, M-00277
2-Methyl-5-thiazolecarboxylic acid, M-00309
Metibride, M-00318
▷Mifobate, M-00372
Milheparine, *in* E-00137
▷Nafenopin, N-00014
Nicoclonate, N-00094
Nicofurate, *in* M-00308
Oxibetaine, O-00110
Oxiniacic acid, *in* P-00571
Peraclopone, P-00110
Pimetine, P-00258

Pirifibrate, P-00328
▷Pirinixil, P-00333
▷Plafibride, P-00369
Ponfibrate, *in* D-00192
2-Propyl-5-thiazolecarboxylic acid, P-00517
Riboflavine 2′,3′,4′,5′-tetra-3-pyridinecarboxylate, *in* R-00038
Ronifibrate, R-00085
Serfibrate, S-00046
▷Simfibrate, S-00074
Simvastatin, S-00075
Sitofibrate, *in* S-00151
▷5-Stigmasten-3-ol, S-00151
Sulodexide, S-00232
Sultosilic acid, *in* D-00313
Sunagrel, S-00270
Surfomer, S-00276
Tazasubrate, T-00040
▷Terbufibrol, T-00083
2,2,9,9-Tetramethyl-1,10-decanediol, T-00146
Tiadenol nicotinate, *in* B-00217
Tiafibrate, *in* B-00217
Tibric acid, T-00252
Timefurone, T-00281
Tisoquone, T-00325
Topanicate, T-00380
Treloxinate, T-00408
4′-(Trifluoromethyl)[1,1′-biphenyl]-2-carboxylic acid, T-00465
▷Triparanol, T-00523
8-[(1,4,5-Triphenyl-1*H*-imidazol-2-yl)oxy]octanoic acid, T-00525
Urefibrate, U-00014

Luteolytic agents

▷Cloprostenol, C-00490
▷Delprostenate, D-00058
Detirelix, D-00107
Fenprostalene, F-00074
Fluprostenol, F-00212
Luprostiol, L-00114
Prostalene, P-00529

Metal-poisoning antidotes

▷Contramine, *in* D-00244
▷Deferoxamine, D-00044
▷Diethyldithiocarbamic acid, D-00244
▷2,3-Dimercapto-1-propanol, D-00385
2,2′-Dithiobisethanesulfonic acid, D-00550
▷Ditiocarb sodium, *in* D-00244
2-Mercaptoethanesulfonic acid, M-00116

Mineralocorticoids

▷Aldosterone, A-00106
Cortenil-Depot, *in* H-00203
▷Corticosterone, C-00546
▷Deoxycortone acetate, *in* H-00203
Deoxycortone glucoside, *in* H-00203
Deoxycortone pivalate, *in* H-00203
Desoxycortone enanthate, *in* H-00203
▷21-Hydroxy-4-pregnene-3,20-dione, H-00203

Miotic agents

▷Acetylcholine(1+), A-00030
▷Eserine, E-00122
▷Methacholine(1+), M-00160
N,*N*,*N*-Trimethyl-2-furanmethanaminium(1+), *in* F-00282

Molluscicides

Balanitin 1, *in* S-00129
Balanitin 2, *in* S-00129
Balanitin 3, *in* S-00129
▷Niclosamide, N-00093

Monoamine oxidase inhibitors

Almoxatone, A-00140
Amiflamine, A-00193
Bazinaprine, B-00019
▷Benmoxin, B-00055
Brofaromine, B-00278
▷Carbenzide, *in* M-00233
▷Cimoxatone, C-00352
Clorgyline, C-00496
(Cyclohexylmethyl)hydrazine, C-00616
▷*N*′,α-Dimethylphenethylhydrazine, D-00442
N,α-Dimethyl-*N*-2-propynylphenethylamine, D-00449
Domoxin, D-00575
Feprosidnine, F-00086
Indocate, I-00061
▷Iproclozide, I-00158
▷Iproniazid, I-00161
▷Isocarboxazid, I-00181
(1-Methylheptyl)hydrazine, M-00258
(1-Methyl-2-phenoxyethyl)hydrazine, M-00282
▷(1-Methyl-2-phenylethyl)hydrazine, M-00289
Moclobemide, M-00415
Nialamide, N-00082
▷Pargyline, P-00037
2-Phenylcyclopropylamine, P-00186
▷1-Phenylethylhydrazine, P-00188
▷(2-Phenylethyl)hydrazine, P-00189
Pildralazine, P-00251
▷Pivhydrazine, P-00365
▷Safrazine, S-00003
Tipindole, T-00313

Mucolytic agents

▷*N*-Acetylcysteine, A-00031
Adamexine, A-00065
Bencisteine, B-00040
Bromhexine, B-00289
▷Brovanexine, B-00330
▷Carbocisteine, *in* C-00654
▷*S*-Carboxymethylcysteine, C-00065
3-[(Carboxymethyl)thio]propanoic acid, C-00066
Cinaproxen, C-00356
Diacetylcysteine, *in* A-00031
2,2′-Dithiobisethanesulfonic acid, D-00550
Eprazinone, E-00091
▷Ethiofos, E-00155
▷Guaietolin, G-00093
▷2-(Iodomethyl)-1,3-dioxolane-4-methanol, I-00107
Letosteine, L-00028
2-Mercaptoethanesulfonic acid, M-00116
Methyl cysteine, *in* C-00654
Nesosteine, N-00077
Paracetamol thenoate, *in* A-00298
Salmisteine, *in* A-00031
Stepronin, S-00145
Tetrahydro-2*H*-1,3-thiazine-4-carboxylic acid, T-00136

Muscle relaxants

Acefylline, A-00011
▷Adiphenine, A-00072
▷Afloqualone, A-00081
▷Alprazolam, A-00150
Ambenoxan, A-00168
▷2-Amino-5-chlorobenzoxazole, A-00225
▷Aminophylline, *in* T-00169
Atracurium(2+), A-00472
Azumolene, A-00534

▷Baclofen, B-00003
▷Benzoctamine, B-00090
Benzoquinonium(2+), B-00096
Benzotript, *in* T-00567
[4,4′-Biphenylenebis(sulfonyliminoethylene)]-bis(trimethylammonium)(2+), B-00178
Broxaterol, B-00332
▷Carisoprodol, C-00078
Chandonium(2+), C-00188
▷5-Chloro-2(3*H*)-benzoxazolone, C-00218
▷Chlorphenesin carbamate, *in* C-00261
▷Chlorphenoxamine, C-00294
▷Choline theophyllinate, *in* C-00308
Ciltoprazine, C-00348
Cinflumide, C-00366
Cinnamedrine, C-00371
Cinnarizine, C-00372
Clenbuterol, C-00419
Clodanolene, C-00447
Clofeverine, C-00454
Cycleanine, C-00590
▷Cyclobenzaprine, C-00597
Dacuronium(2+), D-00003
▷Dantrolene, D-00012
Denpidazone, D-00075
▷1,3-Dibutoxy-2-propanol, D-00172
▷Dichlormezanone, D-00178
▷Difenamizole, D-00262
Dipyrandium(2+), D-00529
Doxacurium(2+), D-00589
Elfazepam, E-00025
▷Emylcamate, E-00042
▷Eperisone, E-00072
▷Etamiphylline, E-00137
▷Etomidoline, E-00258
Fazadinium(2+), F-00019
▷Fenalamide, F-00033
Fenobam, F-00059
Fenyripol, F-00082
Fetoxylate, *in* D-00265
Flavoxate, F-00112
Fletazepam, F-00118
Flumetramide, F-00159
▷Flunitrazepam, F-00168
▷Flutemazepam, F-00226
Gallamine, G-00004
▷*N*-(2-Hydroxyethyl)cinnamamide, H-00130
Inaperisone, I-00048
Isomylamine, I-00194
Laudexium(2+), L-00013
Lefetamine, *in* D-00492
▷Lorbamate, L-00093
▷Lorzafone, L-00100
Malouetine, *in* P-00416
▷Mebeverine, M-00033
Meladrazine, M-00073
Menitrazepam, M-00091
▷Mephenoxalone, M-00095
▷Meprobamate, M-00104
Mesuprine, M-00142
Metaclazepam, M-00145
▷Metaxalone, M-00152
▷Methocarbamol, *in* G-00095
Methoprene, M-00189
▷3-Methyl-6,7-methylenedioxy-1-piperonylisoquinoline, M-00267
α-Methyl-*N*-(1-methyl-2-phenoxyethyl)phenethylamine, M-00269
▷3-(2-Methylphenoxy)-1,2-propanediol, M-00283
1-Methyl-6-(trifluoromethyl)-2(1*H*)-quinolinone, M-00314
▷Metocurine iodide, *in* C-00309
▷Mezilamine, M-00357
Mivacurium(2+), M-00409
Nafomine, N-00019
▷Nefopam, N-00063
Nelezaprine, N-00065
▷Neuriplege, *in* C-00296
▷Nimetazepam, N-00147
Onitin, O-00049
▷Orphenadrine, O-00064
Otilonium(1+), O-00069
Oxydipentonium(2+), O-00150
▷Papaverine, P-00019
▷Parsalmide, P-00041
▷Phenprobamate, *in* P-00201
▷Phenyramidol, P-00211
▷Pifexole, P-00247
▷Pimefylline, P-00254
Pipecuronium(2+), P-00277
Pipoxolan, P-00304
Piprocurarium(2+), P-00308
Piraxelate, *in* O-00139
Piriqualone, P-00335
▷Prazepam, P-00404
▷Procyclidine, P-00455
Prodeconium(2+), P-00457
Progabide, P-00465
▷Promoxolan, P-00481
Proxazole, P-00545
▷Proxyphylline, P-00551
Quinetolate, *in* M-00217
▷Rolodine, R-00079
▷Salbutamol, S-00012
Sevopramide, S-00060
▷Styramate, S-00169
▷Suxamethonium(2+), S-00280
Syndyphalin, S-00285
Terbutaline diisobutyrate, *in* T-00084
▷Tetrazepam, T-00154
▷Theophylline, T-00169
Theophylline calcium salicylate, *in* T-00169
Theophylline diethanolamine, *in* T-00169
Theophylline dihydroxyephedrine, *in* T-00169
Theophylline isopropanolamine, *in* T-00169
Theophylline meglumine, *in* T-00169
Theophylline sodium glycinate, *in* T-00169
▷Theopylline olamine, *in* T-00169
▷Thiocolchicoside, T-00199
Thiphenamil, T-00215
Tiropramide, T-00323
▷Tolperisone, T-00364
▷Tybamate, T-00577
▷Xilobam, X-00014
▷Xylazine, X-00021

Mydriatic agents

4-(2-Aminopropyl)phenol, A-00322
Buzepide, B-00434
Cyclodrine, C-00601
2-(Dimethylamino)ethyl benzilate, D-00410
▷Ethylmorphine, *in* M-00449
Eucatropine, E-00267
▷Homatropine, H-00082
▷Lachesine(1+), L-00002
Oxyphenonium(1+), O-00161
Pivenfrine, P-00364
▷Scopolamine, S-00031
Tropicamide, T-00552
Tropine tropate, T-00554

Narcotic analgesics

▷Acetorphine, *in* E-00263
Alfentanil, A-00111
Alletorphine, A-00125
Alphaacetylmethadol, *in* M-00162
▷Amobarbital, A-00352
▷Anileridine, A-00390
Anilopam, A-00391
Aspoxicillin, A-00465

Benzethidine BAN, B-00078
▷Bezitramide, B-00149
▷Buprenorphine, B-00370
Butorphanol, B-00417
▷Carfentanil, C-00075
Clonitazene, C-00478
▷Codeine, C-00525
Cyclazocine, C-00588
Desmethylmoramide, D-00096
▷Desomorphine, D-00100
▷Dextrorphan, *in* H-00166
▷Diethylthiambutene, D-00258
▷6-Dimethylamino-4,4-diphenyl-3-hexanone, D-00407
2-[(Dimethylamino)methyl]-1-(3-methoxyphenyl)cyclohexanol, D-00416
▷Dimethylthiambutene, D-00455
Dioxaphetyl butyrate, D-00474
4,4-Diphenyl-6-(1-piperidinyl)-3-heptanone, D-00509
4,4-Diphenyl-6-(1-piperidinyl)-3-hexanone, D-00510
▷Dixyrazine, D-00557
▷Drotebanol, D-00612
▷4,5α-Epoxy-14-hydroxy-3-methoxy-17-methylmorphinan-6-one, *in* O-00155
Eptazocine, E-00097
Ethylmethylthiambutene, E-00208
Etonitazene, E-00260
▷Etorphine, E-00263
Etoxeridine, E-00265
▷Fentanyl, F-00077
Flupentixol decanoate, *in* F-00198
Furethidine, F-00290
▷Heroin, H-00034
Hydromorphinol, H-00101
▷Hydromorphone, H-00102
4-Hydroxybutanoic acid, H-00118
▷Hydroxypethidine, H-00189
▷Isomethadone, I-00193
▷Ketobemidone, K-00014
Levaacetylmethadol, *in* M-00162
Levophenacylmorphan, L-00039
▷Levorphanol, *in* H-00166
Lofentanil, L-00073
Mefentanyl, M-00065
Meprodine, M-00105
Metazocine, M-00155
Methadol, M-00162
▷Methadone, M-00163
Methethoheptazine, *in* H-00048
Methyldesorphine, M-00243
▷Methyldihydromorphine, M-00245
▷Metopon, M-00333
Moramide, M-00437
Morpheridine, M-00447
Morphinan-3-ol, M-00448
▷Morphine, M-00449
Myrophine, M-00477
Nalbuphine, N-00028
Nalmexone, N-00031
▷Nicocodine, N-00095
▷Nicomorphine, N-00101
Noracymethadol, N-00207
▷Norcodeine, *in* N-00222
▷Normorphine, N-00222
Oxpheneridine, O-00143
Oxymorphone, O-00155
Pentamorphone, P-00087
▷Pethidine, P-00131
Phenadoxone, P-00138
▷Phenampromide, P-00143
▷Phenazocine, P-00147
Pheneridine, P-00151
▷Phenomorphan, P-00164
Phenoperidine, P-00165
Piminodine, P-00260
▷Piritramide, P-00337
▷Profadol, P-00462
Proheptazine, P-00469
Proxorphan, P-00549
▷Racemorphan, *in* H-00166
Sufentanil, S-00177
▷Thebacon, T-00161
▷Thebaine; (−)-*form*, *in* T-00162
Thiotetrabarbital, T-00212
Tilidate, T-00273
▷Trimeperidine, T-00494

Narcotic antagonists

▷Acetorphine, *in* E-00263
Bremazocine, B-00268
Chloroxymorphamine, C-00291
▷Coenzyme I, C-00530
Conorfone, C-00542
Cyclazocine, C-00588
Cyprenorphine, C-00646
Dezocine, D-00116
Diacetylnalorphine, *in* N-00032
▷2,4-Diamino-5-phenylthiazole, D-00134
▷Difenamizole, D-00262
▷Diprenorphine, D-00520
Embutramide, E-00034
▷Etorphine, E-00263
Fenmetozole, F-00058
Gemazocine, G-00014
Ketazocine, K-00011
▷Levallorphan, L-00038
Nalbuphine, N-00028
Nalmefene, N-00030
Nalmexone, N-00031
▷Nalorphine, N-00032
Nalorphine dinicotinate, *in* N-00032
▷Naloxone, N-00033
▷Naltrexone, N-00034
Naltrindole, N-00035
▷Oxilorphan, O-00114
Quadazocine, Q-00001
▷6,7,8,9-Tetrahydro-5*H*-tetrazolo[1,5-*a*]azepine, T-00133

Nasal decongestants

Amidephrine, A-00191
▷Cafaminol, C-00008
Cirazoline, C-00395
Coumazoline, C-00556
▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
Domazoline, D-00572
Fenoxazoline, F-00066
Indanazoline, I-00050
Iproheptine, *in* M-00257
▷Naphazoline, N-00041
▷Oxymetazoline, O-00153
Tefazoline, T-00051
▷Tetrahydrozoline, T-00140
Tinazoline, T-00292
Tramazoline, T-00395
Tymazoline, T-00580
▷Xylometazoline, X-00023

Neuroleptic agents

Aceperone, A-00014
Acepromethazine, A-00016
Acetophenazine, A-00025
▷Amiperone, A-00343
Anisopirol, A-00396
Axamozide, A-00489
Azabuperone, A-00492
Befiperide, B-00026
Biriperone, B-00183

Bromperidol, B-00324
▷Buspirone, B-00378
Butaclamol, B-00382
▷Butaperazine, B-00394
▷Carperone, C-00093
▷Chloroserpidine, C-00285
▷Chlorpromazine, C-00298
▷Chlorprothixene, C-00300
Ciclofenazine, C-00329
Ciclopramine, C-00331
Cinitapride, C-00368
Cinperene, C-00380
Cinuperone, C-00384
Citatepine, C-00401
▷Clocapramine, C-00441
Cloflumide, C-00459
Clofluperol, C-00460
▷Clorotepine, C-00501
▷Clothiapine, C-00507
Clotixamide, C-00511
Cloxathiepin, C-00516
▷Cloxypendyl, C-00520
▷Cyamemazine, C-00578
Declenperone, D-00039
▷Deserpidine, D-00093
Dicarbine, D-00175
10,11-Dihydro-10-oxo-5*H*-dibenz[*b*,*f*]azepine-5-carboxamide, *in* D-00281
Duoperone, D-00621
Enciprazine, E-00045
Erizepine, E-00111
Etacepride, E-00132
▷Fenaperone, F-00036
▷Fluanisone, F-00130
Fluciprazine, F-00137
Flumezapine, F-00161
▷Fluopromazine, F-00176
▷Flupenthixol, F-00198
Fluperlapine, F-00200
▷Fluphenazine, F-00202
Fluphenazine caproate, *in* F-00202
▷Fluphenazine decanoate, *in* F-00202
▷Fluphenazine enanthate, *in* F-00202
Flupimazine, F-00203
Fluspiperone, F-00222
▷Fluspirilene, F-00223
Flutizenol, F-00229
Furomazine, F-00296
Halopemide, H-00012
Haloperidide, H-00014
Homofenazine, H-00084
Homopipramol, H-00085
Imiclopazine, I-00028
▷Iprozilamine, I-00165
Isofloxythepin, I-00187
▷Loxapine, L-00106
Maroxepin, M-00025
▷Mefeclorazine, M-00061
Melperone, M-00083
▷Meprothixol, M-00106
Methiomeprazine, M-00182
▷Methopromazine, M-00190
▷Metiapine, M-00317
▷Metitepine, M-00324
Metoxepin, M-00338
▷Mezilamine, M-00357
Milenperone, M-00374
Mindoperone, M-00384
▷Molindone, M-00423
Moperone, M-00432
Oxaflumazine, O-00077
Oxiperomide, O-00117
▷Oxypertine, O-00157
Oxyprothepin, O-00162
Oxyprothepin decanoate, *in* O-00162
▷Oxyridazine, O-00164
Penfluoridol decanoate, *in* P-00062
▷Penfluridol, P-00062
▷Perazine, P-00116
▷Pericyazine, P-00121
▷Perimetazine, P-00122
▷Perphenazine, P-00129
▷Perphenazine acetate, *in* P-00129
▷Perphenazine trimethoxybenzoate, *in* P-00129
Phenoperidone, P-00166
Picobenzide, P-00237
▷Piflutixol, P-00248
▷Pimozide, P-00263
Pinoxepin, P-00272
▷Pipamperone, P-00274
▷Piperacetazine, P-00282
Pipothiazine, P-00302
Pipotiazine palmitate, *in* P-00302
Pipotiazine undecylenate, *in* P-00302
▷Prochlorperazine, P-00450
▷Promazine, P-00475
▷Propyperone, P-00518
Prosulpride, P-00530
▷Prothipendyl, P-00536
Prothixene, P-00537
Raclopride, R-00002
Rilapine, R-00050
Rolipram, R-00077
▷Roxoperone, R-00102
▷Spiperone, S-00115
Spiramide, S-00117
▷Spirilene, S-00121
Sulfamothepin, S-00201
▷Sulforidazine, S-00222
Tefludazine, T-00053
Tenilapine, T-00069
▷Tetrabenazine, T-00102
▷Thioproperazine, T-00208
▷Thioridazine, T-00209
▷Thiothixene, T-00213
Tiapride, T-00243
▷Timiperone, T-00285
Traboxopine, T-00392
Trepipam, T-00412
▷Trifluoperazine, T-00463
▷Trifluperidol, T-00468
Zetidoline, Z-00010

Neuromuscular blocking agents

▷Calebassine, C-00016
Gallamine, G-00004
Laudexium(2+), L-00013
Mebezonium(2+), M-00034
▷Metocurine iodide, *in* C-00309
Stercuronium(1+), S-00146
Truxipicurium(2+), T-00563

Neuromuscular blocking agents, depolarising

Carbolonium(2+), C-00055
Decamethonium(2+), D-00036
▷Suxamethonium(2+), S-00280
Suxethonium(2+), S-00282

Neuromuscular blocking agents, nondepolarising

▷Alcuronium(2+), A-00105
Atracurium(2+), A-00472
Dimethyltubocurarinium chloride, *in* T-00571
Fazadinium(2+), F-00019
Pancuronium(2+), P-00012

▷Tubocurarine(2+), T-00571
▷Tubocurarine(2+); (+)-*form*, *in* T-00571
Vecuronium (1+), V-00014

Neurotransmitters

▷4-Aminobutanoic acid, A-00221
Bamaluzole, B-00009

Nutritional agents

▷Alfacol, *in* T-00335
Aspartame, A-00460
Bis(8-hydroxy-5,7-quinolinedisulfonato(3−)-N^1,O^8-cuprate, B-00223
Bis(4-methylphenyl)iodonium(1+), B-00230
Cimaterol, C-00349
Clinolamide, *in* O-00007
▷Cyclohexylsulfamic acid, C-00623
▷Saccharin, S-00002
▷Sodium iodide, S-00088
α-Tocopherol, T-00335
α-Tocopherol succinate, *in* T-00335
Tocophersolan, *in* T-00335

Oestrogens

▷Almediol, *in* O-00028
Benzestrol, B-00077
Bifluranol, B-00163
3,4-Bis(4-hydroxyphenyl)hexane, B-00220
Broparestrol, B-00326
▷Chlorotrianisene, C-00290
Cloxestradiol, C-00518
▷Coumestrol, C-00558
▷3,4,5,6,7,8,9,10,11,12-Decahydro-7,14,16-trihydroxy-3-methyl-1*H*-2-benzoxacyclotetradecin-1-one, D-00035
▷Dienestrol, D-00223
Diethylstilbestrol, D-00257
Doisynoestrol, D-00570
Epimestrol, E-00080
▷Equilenin, E-00098
▷Equilin, E-00099
▷Estradiol cypionate, *in* O-00028
Estradiol dienanthate, *in* O-00028
▷Estradiol dipropionate, *in* O-00028
Estradiol diundecylate, *in* O-00028
Estradiol diundecylenate, *in* O-00028
Estradiol enanthate, *in* O-00028
Estradiol furoate, *in* O-00028
Estradiol hemisuccinate, *in* O-00028
Estradiol hexahydrobenzoate, *in* O-00028
Estradiol monopropionate, *in* O-00028
Estradiol palmitate, *in* O-00028
Estradiol pivalate, *in* O-00028
Estradiol propoxyphenylpropionate, *in* O-00028
Estradiol stearate, *in* O-00028
Estradiol undecylate, *in* O-00028
▷Estradiol valerate, *in* O-00028
Estrapronicate, *in* O-00028
Estra-1,3,5(10)-triene-3,17-diol 17-(3-oxohexanoate), *in* O-00028
Estrazinol, E-00128
Estriol tripropionate, *in* O-00030
▷Estrofurate, E-00129
Estrone acetate, *in* O-00031
Estrone cyanate, *in* O-00031
Estrone tetraacetylglucoside, *in* O-00031
Etamestrol, E-00135
▷3-Ethyl-4-(4-methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid, E-00200
▷5-Ethyl-6-methyl-4-phenyl-3-cyclohexene-1-carboxylic acid, E-00205
Ethynylestradiol 3-isopropylsulfonate, *in* E-00231
▷17α-Ethynyl-1,3,5(10)-oestratriene-3,17-diol, E-00231
Furostilbestrol, F-00297
Genovul, *in* C-00518
Hexestrol diacetate, *in* B-00220
Hexestrol dicaprylate, *in* B-00220
Hexestrol diphosphate, *in* B-00220
Hexestrol dipropionate, *in* B-00220
▷Mestranol, M-00138
▷Methallenoestril, M-00164
17-Methylestra-1,3,5(10)-triene-3,17-diol, *in* O-00028
7α-Methylestrone, *in* O-00031
▷Moxestrol, M-00463
Nylestriol, N-00234
▷Oestradiol benzoate, *in* O-00028
1,3,5(10)-Oestratrien-3,16β,17β-triol, *in* O-00030
▷Oestriol, O-00030
Oestriol diacetate benzoate, *in* O-00030
Oestriol succinate, *in* O-00030
▷Oestrone, O-00031
Oestrone; 3-Sulfo, *in* O-00031
Orestrate, O-00055
Promethoestrol, P-00479
▷Quinestrol, *in* E-00231

Opiates

Adrenorphin, A-00078
▷Morphine, M-00449

Ovulation-inducing agents

▷Cyclofenil, C-00602
Ovandrotone albumin, *in* O-00071

Oxytocic agents

Acetergamine, A-00019
▷*Ile*^{3}-*Arginine vasopressin*, V-00013
Carbetocin, C-00048
▷Carboprost, C-00062
▷Cargutocin, C-00076
Cloquinozine, C-00491
Deaminooxytocin, D-00030
11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid, D-00322
11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339
11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341
Ergometrine, E-00104
▷Ergotamine, E-00106
Gallopamil, G-00006
▷Lupinidine, *in* S-00110
▷Methylergometrine, M-00254
Nacartocin, N-00005
▷Oxytocin, O-00167
2-(1-Piperazinyl)quinoline, P-00286
4-L-Threonineoxytocin, T-00220
[Thz^7]Oxytocin, T-00234
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483

Penicillins

▷Almecillin, A-00137
Amantocillin, A-00164
▷Amoxycillin, A-00364
▷Ampicillin, A-00369
Apalcillin, A-00421
Azidocillin, A-00520
Azlocillin, A-00529
Bacampicillin, B-00001
Bacmecillinam, B-00004
Carbenicillin, C-00045
Carfecillin, C-00074
Carindacillin, C-00077
Clometocillin, C-00470

Cloxacillin, C-00515
▷Cyclacillin, C-00585
▷Dicloxacillin, D-00214
▷Diphenicillin, D-00485
Fibracillin, F-00102
Flucloxacillin, F-00139
Fomidacillin, F-00239
Fumoxicillin, F-00275
Furbenicillin, F-00286
Furbucillin, F-00287
Fuzlocillin, F-00304
Hetacillin, H-00035
Isopropicillin, I-00200
Lenampicillin, L-00022
▷Mecillinam, M-00042
Metampicillin, M-00150
Methicillin, M-00180
▷Mezlocillin, M-00358
Nafcillin, N-00012
▷Oxacillin, O-00074
Oxetacillin, O-00104
Penamecillin, P-00058
▷Penicillin *N*, P-00066
Penimepicycline, P-00068
Penimocycline, P-00069
Phenbenicillin, P-00148
Phenethicillin, P-00152
▷Phenoxymethylpenicillin, P-00171
Piperacillin, P-00283
Piridicillin, P-00325
Piroxicillin, P-00352
▷Pivampicillin, P-00362
Pivmecillinam, P-00366
Prazocillin, P-00408
Propampicillin, P-00488
Propicillin, P-00501
Quinacillin, Q-00009
Rotamicillin, R-00095
Sarmoxicillin, *in* O-00104
Sarpicillin, *in* H-00035
Sulbactam pivoxil, *in* P-00065
Sulbenicillin, S-00181
Sultamicillin, S-00262
Suncillin, S-00271
Talampicillin, T-00005
Tameticillin, *in* M-00180
Temocillin, T-00062
Thiphencillin, T-00216
Ticarcillin, T-00255
Ticarcillin; 3-Mono(4-methylphenyl)ester, *in* T-00255
Timoxicillin, T-00290

Peptides

Alsactide, A-00152
Amogastrin, A-00354
Anaritide, A-00377
Angiogenin, A-00384
Angiotensinamide, *in* A-00385
Apolipoprotein A1, A-00424
8-L-Arginine vasopressin, V-00013
▷*Ile*^{3}*-Arginine vasopressin*, V-00013
Codactide, C-00524
Deaminooxytocin, D-00030
Desglugastrin, D-00094
Detirelix, D-00107
Doreptide, D-00584
Elcatonin, E-00023
▷Eledoisin, E-00024
Enkephalins, E-00058
Gastrins, G-00012
▷Leuprorelin, L-00035
▷Lutrelin, L-00117
▷*8-L-Lysine vasopressin*, V-00013
Melanostatin, M-00074
Metkefamide, M-00325
Octacosactrin, O-00006
Octreotide, O-00025
▷Oxytocin, O-00167
▷Parathyrin, P-00030
Pentacosactride, P-00075
▷Pentagastrin, P-00079
▷Pepstatin *A*, 9CI, P-00109
Pimelautide, P-00255
Prolyl-*N*-methylleucylglycinamide, P-00474
Saralasin, S-00023
Secretin, S-00034
Seractide, S-00045
Sermorelin, S-00049
Sincalide, S-00077
Somatorelin, S-00097
Splenopentin, S-00135
Teprotide, T-00079
Terlipressin, T-00093
4-L-Threonineoxytocin, T-00220
Thymopentin, T-00225
[Thz^7]Oxytocin, T-00234
L-Tryptophyl-L-alanyl-glycyl-glycyl-L-aspartyl-L-alanyl-L-seryl-glycyl-L-glutamic acid, T-00568

Peptides, opioid

Adrenorphin, A-00078
Dynorphin, D-00625
β-Endorphin, E-00049

Platelet aggregation inhibiting agents

Acitemate, A-00040
Altapizone, A-00154
Amindocate, A-00199
Amipizone, A-00344
Anagrelide, A-00376
Apafant, A-00420
Benafentrine, B-00035
Bencyclane, B-00042
4,5-Bis(4-methoxyphenyl)-2-(trifluoromethyl)-1*H*-imidazole, B-00229
▷2-Chloroadenosine, C-00214
Cilostamide, C-00346
Cilostazol, C-00347
Ciprostene, C-00393
Clopidogrel, C-00484
Cloricromen, C-00497
Dazmegrel, D-00025
Dazoxiben, D-00029
Dimetagrel, D-00388
Ditazole, D-00545
Domipizone, D-00573
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087
▷Etersalate, E-00144
Furegrelate, F-00289
2,3,3′,4,4′,5′-Hexahydroxybenzophenone, H-00052
Imanixil, I-00024
▷Indobufen, I-00060
Itazigrel, I-00221
Ketorolac, K-00019
Limaprost, L-00050
Lixazinone, L-00063
2-Methylthioadenosine 5′-(dihydrogen phosphate), M-00311
Midazogrel, M-00367
▷Mopidamol, M-00433
Nafazatrom, N-00011
Naxaprostene, N-00054
▷Oxagrelate, O-00078
Ozagrel, O-00168
7-Phenyl-7-(3-pyridinyl)-6-heptenoic acid, P-00205
2-(Phosphonooxy)-4-(trifluoromethyl)benzoic acid, P-00218
Pirmagrel, P-00341
Pirozadil, P-00354

▷Plafibride, P-00369
Prostacyclin, P-00528
Ridogrel, R-00043
Rosaprostol, R-00093
Saterinone, S-00027
Siguazodan, S-00067
▷Sulphinpyrazone, S-00258
Sunagrel, S-00270
Ticlopidine, T-00256
Tioxaprofen, T-00308
▷α-Tocopherolquinone, *in* T-00337
Tretoquinol, T-00418
Trifenagrel, T-00458
▷Triflusal, *in* H-00215
Trillin, *in* S-00129
Vapiprost, V-00011

Progestogens

Algestone, A-00114
▷Algestone acetonide, *in* A-00114
▷Algestone acetophenide, *in* A-00114
▷Allyloestrenol, A-00132
▷Altrenogest, A-00159
Amadinone, A-00161
Amadinone acetate, *in* A-00161
Anagestone, A-00375
Anagestone acetate, *in* A-00375
▷Chlormadinone, C-00208
▷Chlormadinone acetate, *in* C-00208
6-Chloro-17-hydroxypregn-4-ene-3,20-dione, C-00248
6-Chloro-1,4,6-pregnatriene-3,20-dione, C-00276
▷Cingestol, C-00367
Cismadinone, C-00398
Cismadinone acetate, *in* C-00398
Clogestone, C-00463
Clogestone acetate, *in* C-00463
Clomegestone, C-00466
Clomegestone acetate, *in* C-00466
Delmadinone, D-00054
Delmadinone acetate, *in* D-00054
Demegestone, D-00063
▷Dienogest, D-00224
▷Dimethisterone, D-00393
▷Dydrogesterone, D-00624
Edogestrone, E-00014
▷Ethisterone, E-00156
▷Ethynerone, E-00226
▷Ethynodiol, E-00227
▷Ethynodiol diacetate, *in* E-00227
Flugestone, F-00150
▷Flugestone acetate, *in* F-00150
Flumedroxone, F-00154
Flumedroxone acetate, *in* F-00154
Gestaclone, G-00020
Gestodene, G-00021
▷Gestonorone caproate, *in* G-00023
▷Gestrinone, G-00022
Gestronol, G-00023
Haloprogesterone, H-00017
17-Hydroxy-19-norpregna-4,6-diene-3,20-dione, H-00183
▷17-Hydroxy-4-pregnene-3,20-dione, H-00202
Hydroxyprogesterone acetate, *in* H-00202
Hydroxyprogesterone heptanoate, *in* H-00202
▷Hydroxyprogesterone hexanoate, *in* H-00202
Lutenyl, *in* N-00200
▷Lynoestrenol, L-00121
▷Medrogestone, M-00057
▷Medroxyprogesterone, *in* H-00175
▷Medroxyprogesterone acetate, *in* H-00175
Megestrol, *in* H-00174
▷Megestrol acetate, *in* H-00174
Melengestrol, M-00078
▷Melengestrol acetate, *in* M-00078
Metynodiol, M-00346
Metynodiol diacetate, *in* M-00346
Nomegestrol, N-00200
▷Norethisterone, N-00212
▷Norethisterone acetate, *in* N-00212
Norethisterone acetate oxime, *in* N-00212
▷Norethisterone enanthate, *in* N-00212
▷Norethynodrel, N-00213
Norgesterone, N-00215
▷Norgestimate, N-00216
Norgestomet, N-00217
Norgestrel, N-00218
▷Norgestrienone, N-00219
Oxogestone, O-00129
Oxogestone phenpropionate, *in* O-00129
Pentagestrone, P-00080
Pentagestrone acetate, *in* P-00080
▷Progesterone, P-00466
Proligestone, P-00472
Promegestone, P-00476
Quingestanol, Q-00024
▷Quingestanol acetate, *in* Q-00024
Quingestrone, Q-00025
Tigestol, T-00269

Prolactin release inhibitors

▷2-Aminoethanethiol, A-00252
▷Bromocriptine, *in* E-00103
Cabergoline, C-00002
Dihydroergocryptine, D-00285
Disulergine, D-00541
Etisulergine, E-00243
Lergotrile, L-00026
Mergocriptine, M-00125
▷Mesulergine, M-00140
Prolactostatin, P-00470
Proterguride, P-00533
Terguride, T-00090

Prostaglandins

Alfaprostol, A-00110
Butaprost, B-00395
▷Carboprost, C-00062
Cicaprost, C-00323
▷Cloprostenol, C-00490
▷Delprostenate, D-00058
Deprostil, D-00086
11,15-Dihydroxy-16,16-dimethyl-9-methylene-5,13-prostadienoic acid, D-00322
11,15-Dihydroxy-16,16-dimethyl-9-oxo-5,13-prostadienoic acid, D-00324
11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, D-00334
9,15-Dihydroxy-11-oxo-5,13-prostadienoic acid, D-00338
11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339
11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341
Dimoxaprost, D-00462
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087
Eptaloprost, E-00096
▷Etiproston, E-00239
Fenprostalene, F-00074
Flunoprost, F-00170
Fluprostenol, F-00212
▷Froxiprost, F-00266
▷Gemeprost, G-00015
15-Hydroxy-15-methyl-9-oxo-13-prosten-1-oic acid, H-00169
15-Hydroxy-9-oxo-5,10,13-prostatrien-1-oic acid, H-00187
Luprostiol, L-00114
Mexiprostil, M-00352
Misoprostol, M-00396
Naxaprostene, N-00054
Nileprost, N-00140
Nocloprost, N-00195
Ornoprostil, O-00060

Oxoprostol, O-00137
Penprostene, P-00074
Piriprost, P-00334
Prostacyclin, P-00528
Prostalene, P-00529
▷Sulprostone, S-00261
Taprostene, T-00027
Tiaprost, T-00244
Tilsuprost, T-00279
Tiprostanide, T-00318
9,11,15-Trihydroxyprosta-5,13-dienoic acid, T-00483
Trimoprostil, T-00517
Vapiprost, V-00011
Viprostol, V-00051

Psychotropic agents

Adafenoxate, A-00061
▷Amfetaminil, A-00183
2-Amino-1-phenyl-1-propanone, A-00309
Bazinaprine, B-00019
Brosotamide, *in* B-00302
▷Butaperazine, B-00394
▷Carpipramine, C-00097
Clopenthixol, C-00481
Dihydro-1*H*-pyrrolizine-3,5(2*H*,6*H*)-dione, D-00302
Doliracetam, D-00571
Dupracetam, D-00622
Enpiprazole, E-00063
▷Ethyl 4-fluorophenyl sulfone, E-00191
Etiracetam, E-00240
Flubepride, F-00134
Ftormetazine, F-00270
Ftorpropazine, F-00271
Hydroxindasol, H-00105
6-Hydroxy-3,5-cyclopregnan-20-one, H-00122
4-Hydroxy-2-oxo-1-pyrrolidineacetamide, H-00188
Icospiramide, I-00013
Idebenone, I-00017
Imuracetam, I-00047
▷Mescaline, M-00131
1-(4-Methoxybenzoyl)-2-pyrrolidinone, M-00197
▷1-(3-Methoxy-4,5-methylenedioxyphenyl)-2-propylamine, M-00201
▷Metitepine, M-00324
Minaprine, M-00381
Molracetam, M-00424
Nizofenone, N-00193
Piperacetam, P-00281
Pirisudanol, P-00336
Pramiracetam, P-00397
Razobazam, R-00015
Ridiflone, R-00042
Setoperone, S-00058
▷Sulpiride, S-00259
Tameridone, T-00020
Tamitinol, T-00022
Δ^9-Tetrahydrocannabinol, T-00115
3-(2-Thienyl)piperazinone, T-00188
Tinisulpride, T-00294
▷1-(3,4,5-Trimethoxyphenyl)-2-propylamine, T-00504
▷Tryptamine, T-00566
▷Viloxazine, V-00029
Zoloperone, Z-00032

Psychomimetic agents

▷Adrenochrome, A-00077
4-Bromo-2,5-dimethoxy-α-methylphenethylamine, B-00298
▷Carbazochrome salicylate, *in* A-00077
▷3-(2-Dimethylaminoethyl)-4-hydroxyindole, D-00411
▷Lysergide, L-00122
Ortetamine, O-00065
▷Psilocybine, *in* D-00411
▷Tenamfetamine, T-00066

Purgatives

▷Barbaloin, B-00013
▷Bisacodyl, B-00186
Bis(2-ethylhexyl)sulfosuccinic acid, B-00210
Bis(4-hydroxyphenyl)(2-pyridyl)methane; Bis(hydrogen sulfate) ester, *in* B-00221
Bisoxatin, B-00234
▷Cholic acid, *in* T-00475
Cinnoxyphenisatin, *in* O-00160
Cofisatin, *in* D-00049
Darodipine, D-00016
▷Dehydrocholic acid, D-00049
▷1,8-Dihydroxyanthraquinone, D-00308
Lactulose, L-00005
Magnesium citrate, M-00007
Magnesium hydroxide, M-00008
Nicoxyphenisatin, *in* O-00160
Oxyphenisatin, O-00160
Oxyphenisatin acetate, *in* O-00160
▷Phenolphthalein, P-00162
Picofosforic acid, *in* B-00221
Potassium phosphate dibasic, *in* P-00219
p,p'-(2-Pyridinylmethylene)bis(phenyl palmitate), P-00577
Sennidin, S-00042
▷Sodium phosphate dibasic, *in* P-00219
▷Sodium sulfate, S-00090
Sulisatin, S-00226
Tartaric acid, T-00028
▷L-Threaric acid, *in* T-00028
Thymolphthalein, T-00224
▷Triacetyldiphenolisatin, *in* O-00160

Radiopaque agents

▷Acetrizoic acid, *in* A-00340
▷Barium sulfate, B-00014
Broxitalamic acid, B-00333
Buniodyl, B-00363
3-(Diacetylamino)-2,4,6-triiodobenzoic acid, *in* A-00340
▷Diatrizoic acid, *in* D-00138
N-(2,3-Dihydroxypropyl)-3,5-diiodo-4(1*H*)-pyridinone, D-00353
3,5-Diiodo-4-hydroxybenzenesulfonic acid, D-00358
Diiodomethanesulfonic acid, D-00359
▷3,5-Diiodo-4(1*H*)-pyridinone, D-00362
3,5-Diiodo-4-pyridone-1-acetic acid, D-00363
Ethyl cartrizoate, E-00180
▷Febarbamate, F-00022
▷Iobenzamic acid, I-00091
Iobutoic acid, I-00092
▷Iocarmic acid, I-00093
▷Iocetamic acid, I-00094
▷Iodamide, I-00095
Iodecol, I-00096
Iodetryl, *in* D-00361
Iodipamide, I-00097
Iodixanol, I-00099
▷Iodoalphionic acid, I-00100
(2-Iodobenzoyl)aminoacetic acid, I-00101
Iodomethanesulfonic acid, I-00106
▷Iodoxamic acid, I-00108
Iodoxyl, I-00109
Ioglicic acid, I-00111
Ioglucol, I-00112
▷Ioglucomide, I-00113
Ioglunide, I-00114
Ioglycamic acid, I-00115
Iogulamide, I-00116
Iohexol, I-00117
Iolidonic acid, I-00118
▷Iolixanic acid, I-00119
▷Iomeglamic acid, I-00120
Iomeprol, I-00121
Iomorinic acid, I-00123
▷Iopamidol, I-00124

▷Iopanoic acid, I-00125
Iopentol, I-00126
▷Iophendylate, I-00127
▷Iophenoxic acid, I-00128
▷Iopodic acid, I-00129
Ioprocemic acid, I-00130
Iopromide, I-00131
▷Iopronic acid, I-00132
Iosarcol, I-00133
▷Iosefamic acid, I-00134
Ioseric acid, I-00135
Iosimide, I-00136
Iosulamide, I-00137
Iosumetic acid, I-00138
Iotasul, I-00139
▷Iothalamic acid, I-00140
Iotranic acid, I-00141
Iotriside, I-00142
Iotrizoic acid, I-00143
Iotrolan, I-00144
▷Iotroxic acid, I-00145
Ioversol, I-00146
Ioxabrolic acid, I-00147
Ioxaglic acid, I-00148
Ioxilan, I-00149
Iozomic acid, I-00150
▷Meglumine acetrizoate, *in* A-00340
▷Metrizamide, M-00343
Oxypropyliodone, *in* D-00363
▷Phenobutiodil, P-00160
Propyl docetrizoate, *in* A-00340
▷Propyliodone, *in* D-00363
Tyropanoic acid, T-00581

Radiopharmaceutical agents

2-Amino-3-(3-iodo-4-hydroxyphenyl)propanoic acid, A-00276
▷Caesium chloride, C-00007
▷Chromic chloride, C-00310
▷Chromic phosphate, C-00311
▷Cobaltous chloride, C-00522
▷Cupric acetate, C-00575
Diohippuric acid, D-00470
Etifenin, E-00235
Exametazime, E-00278
▷Ferric chloride, F-00087
Ferrous citrate, F-00092
Fibrinogen, F-00103
Gallium citrate, G-00005
Galtfenin, G-00008
▷Indium chloride, I-00059
Iobenguane, I-00090
Iodipine, I-00098
(2-Iodobenzoyl)aminoacetic acid, I-00101
19-Iodocholest-5-en-3-ol, I-00102
16-Iodohexadecanoic acid, I-00105
Iomethin, I-00122
Merisoprol, M-00126
▷6,6′-Methylenebis[1,2-dihydro-2,2,4-trimethylquinoline], M-00250
9-Octadecenoic acid, O-00010
Pertechnetic acid, P-00130
▷Potassium chloride, P-00391
▷Povidone-Iodine, *in* P-00393
▷Rubidium chloride, R-00103
▷Sodium arsenate, S-00083
▷Sodium chloride, S-00085
▷Sodium chromate, S-00086
▷Strontium chloride, S-00165
▷Strontium nitrate, S-00166
Tauroselcholic acid, T-00034
Technetium sestamibi, *in* M-00205
Technetium tiatide, *in* M-00129
▷Thallous chloride, T-00160
Tris(8-quinolinato)indium, *in* H-00211
▷Zinc chloride, Z-00016

Radioprotective agents

▷2-Aminoethanethiol, A-00252
3-Amino-2-mercaptopropanoic acid, A-00278
▷Bis(2-aminoethyl) disulfide, B-00188
Coenzyme *A*, C-00528
▷2,3-Dihydroxy-1-octadecyloxypropane, D-00337
2-(3,7-Dimethyl-2,6-octadienyl)-1,4-benzenediol, D-00438
Estramustine, E-00127
▷Ethiofos, E-00155
▷*N*-(2-Mercapto-1-oxopropyl)glycine, M-00120
N-(2-Sulfoethyl)-glutamine, S-00219
▷2,2′-Thiobisethanol, T-00195

Reserpine antagonists

Rofelodine, R-00073

Schistosomicides

Agrimophol, A-00085
Amphotalide, A-00367
▷Antimony potassium tartrate, A-00414
Becanthone, B-00021
Bis[4,5-dihydroxy-1,8-benzenedisulfonato(4−)-O^4,O^5]-antimonate(5−), B-00207
▷Hycanthone, H-00093
▷Lucanthone, L-00110
Meclonazepam, M-00047
▷Niridazole, N-00156
▷Oltipraz, O-00042
▷Oxamniquine, O-00084
Phenithionate, P-00159
▷Stibocaptate, S-00149
2,2′,2″-Stibylidynetris[thio]trisbutanedioic acid, S-00150
Teroxalene, T-00095

Sedatives

Acebrochol, *in* D-00162
▷Acecarbromal, A-00007
Aceprometazine, A-00016
Acevaltrate, *in* V-00006
Alonimid, A-00142
▷Amobarbital, A-00352
▷Aprobarbital, A-00430
Bentipimine, B-00068
Benzoclidine, *in* Q-00035
▷Benzoctamine, B-00090
▷1-Benzoyl-5-ethyl-5-phenylbarbituric acid, *in* E-00218
Bromamid, B-00283
▷5-(2-Bromoallyl)-5-isopropylbarbituric acid, B-00291
▷2-Bromo-2-ethylbutanamide, *in* B-00297
2-Bromo-2-ethyl-3-methylbutyramide, B-00301
▷5-Bromo-1*H*-indole-2,3-dione, B-00305
Bromopride, B-00317
▷Butabarbital, B-00380
▷Butalbital, B-00386
▷5-Butyl-5-ethylbarbituric acid, B-00430
▷Captodiame, C-00033
▷Carbubarb, C-00068
▷Carfimate, *in* P-00204
▷Chlordiazepoxide, C-00200
Chlorhexadol, C-00205
▷5-(2-Chloroethyl)-4-methylthiazole, C-00238
▷3-(2-Chlorophenyl)-2-methyl-4(3*H*)-quinazolinone, C-00272
▷Chlorproethazine, C-00296
▷Cinolazepam, C-00375
Clemizole, C-00418
Clidafidine, C-00424
Climazolam, C-00426
▷Clocanfamide, C-00440

Cloperidone, C-00483
Clorazepic acid, C-00494
▷Clozapine, C-00521
▷Cyclobarbitone, C-00596
1-Cyclohexyl-2-methyl-1-propanol, C-00618
▷5-(2-Cyclopenten-1-yl)-5-(2-propenyl)-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, C-00629
Danitracen, D-00011
Declenperone, D-00039
Dexclamol, D-00112
▷5,5-Diallylbarbituric acid, D-00119
▷Diazepam, D-00148
▷Dichloralphenazone, *in* T-00433
▷3,3-Diethyl-5-methyl-2,4-piperidinedione, D-00249
3,3-Diethyl-5-methyl-2,4(1*H*,3*H*)-pyridinedione, D-00250
▷5,5-Diethyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, D-00256
Difebarbamate, D-00260
Dihydrovaltrate, D-00305
Dimelazine, D-00378
4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
Diphoxazide, D-00516
Di(4-pyridylmethyl)amine, D-00531
Ectylurea, E-00011
Elanzepine, E-00022
▷Estazolam, E-00126
▷Etaqualone, E-00140
▷Ethchlorvynol, E-00151
▷Ethinamate, E-00154
Ethyl carfluzepate, E-00179
▷5-Ethyl-1-methyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00206
▷5-Ethyl-5-phenyl-2,4,6(1*H*,3*H*,5*H*)-pyrimidinetrione, E-00218
Etymemazine, E-00266
▷Fenimide, F-00053
Fluprazine, F-00206
▷Flurazepam, F-00217
▷Flutazolam, F-00225
Furomazine, F-00296
▷Glutethimide, G-00061
▷Heptabarbitone, H-00027
▷Hexapropymate, H-00061
▷Hexobarbital, H-00065
Homofenazine, H-00084
▷2-(2-Hydroxyphenyl)-1,3,4-oxadiazole, H-00192
▷Iprozilamine, I-00165
▷Isochondodendrine, I-00182
Levophenacylmorphan, L-00039
Lormetazepam, L-00097
Mecloxamine, M-00050
▷Meparfynol carbamate, *in* M-00281
▷Methapyrilene, M-00171
▷Methaqualone, M-00172
▷Methitural, M-00184
▷3-Methyl-1-pentyn-3-ol, M-00281
▷Metomidate, M-00331
Metoserpate, M-00336
▷Mexazolam, M-00350
▷Midaflur, M-00364
▷Molindone, M-00423
Nabitan, N-00003
Nealbarbitone, N-00055
Nisobamate, N-00158
4-Oxo-4*H*-1-benzopyran-2-carboxylic acid, O-00125
▷Oxomemazine, O-00132
▷Oxyridazine, O-00164
▷Paraldehyde, P-00023
▷Pecazine, P-00048
Penthrichloral, P-00096
▷Pentobarbitone, P-00101
▷Perimetazine, P-00122
▷Petrichloral, P-00132
▷2-Phthalimidoglutarimide, P-00223
▷Pimethixene, P-00257
Pivoxazepam, P-00367
▷Prazepam, P-00404
▷Probarbital, P-00443
▷Promethazine, P-00478
▷Promoxolan, P-00481
Propiomazine, P-00504
Propoxate, P-00509
▷Proxibarbal, P-00546
Pyritinol, P-00590
▷Quazepam, Q-00004
▷Quinalbarbitone, Q-00011
Reclazepam, R-00020
▷Reserpine, R-00029
Romifidine, R-00082
▷Scopolamine, S-00031
Selprazine, S-00039
Spaglumic acid, *in* A-00461
Supidimide, S-00272
Taglutimide, T-00003
▷Talbutal, T-00007
▷Tetrabenazine, T-00102
3*a*,4,7,7*a*-Tetrahydro-4,7-methano-1*H*-isoindole-1,3(2*H*)-dione, *in* B-00157
Tiletamine, T-00272
Tilozepine, T-00278
Tisocromide, T-00324
Tixadil, T-00328
▷Toloxatone, T-00360
▷Toloxychlorinol, T-00361
Toprilidine, T-00383
▷Triazolam, T-00425
▷Tricetamide, T-00431
▷2,2,2-Trichloro-1,1-ethanediol, T-00433
▷2,2,2-Trichloroethanol carbonate, T-00435
▷Triclofos, T-00450
Trifluomeprazine, T-00462
▷4-(3,4,5-Trimethoxybenzoyl)morpholine, T-00502
4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505
Valofane, V-00004
Valperinol, V-00005
▷Valtrate, V-00006
▷Vinbarbitone, V-00031
Vinylbitone, V-00046
Xanthiol, X-00004
▷Xylazine, X-00021
Zolazepam, Z-00028
▷Zopiclone, Z-00037

Serotonin antagonists

Altanserin, A-00153
Amindocate, A-00199
2-Amino-3-(4-chlorophenyl)propanoic acid, A-00226
Benanserin, B-00036
Butanserin, B-00392
Cianopramine, C-00320
Cinanserin, C-00355
Cinitapride, C-00368
Declenperone, D-00039
▷Dimethothiazine, D-00396
Ergometrine, E-00104
Fluoxetine, F-00194
Granisetron, G-00086
▷Homochlorcyclizine, H-00083
Hydroxindasate, *in* H-00105
Hydroxindasol, H-00105
Indocate, I-00061
Iprazochrome, I-00156
Ketanserin, K-00010
Lysuride, L-00124
▷Metergoline, M-00159
▷Methysergide, M-00315
Metrenperone, M-00342
Ondansetron, O-00048
Pelanserin, P-00052
▷Piflutixol, P-00248
Pipoxizine, P-00303

Pipradimadol, P-00305
Pizotifen, P-00368
Ritanserin, R-00066
Seganserin, S-00036
Sequifenadine, S-00044
Sergolexole, S-00047
Terguride, T-00090
Tipindole, T-00313
▷1-(2,4,6-Trihydroxyphenyl)-1-propanone, T-00479
Tropanserin, T-00547
Xylamidine, X-00020

Sex hormones, male

Adrenosterone, A-00079
Cloxotestosterone acetate, *in* H-00111
▷Fluoxymesterone, F-00195
17-Hydroxy-4-androsten-3-one, H-00111
▷Testosterone hexahydrobenzoate, *in* H-00111
Testosterone hexahydrobenzyl carbonate, *in* H-00111
17-(2,2,2-Trichloro-1-hydroxyethoxy)androst-4-en-3-one, *in* H-00111

Sex hormones, female

▷Progesterone, P-00466
Urofollitropin, U-00015

Stimulant, respiratory

▷Almitrine, A-00139
▷9-Amino-1,2,3,4-tetrahydroacridine, A-00333
▷Carbon dioxide, C-00057
Centphenaquin, C-00168
7-Chloro-4-hydroxy-5-indanecarboxylic acid, C-00243
Cropropamide, C-00566
Crotethamide, C-00569
▷1-(Cyclohexylmethyl)piperidine, C-00617
▷2,4-Diamino-5-phenylthiazole, D-00134
N,*N*-Diethyl-3,5-dimethyl-4-isoxazolecarboxamide, D-00243
▷*N*,*N*-Diethyl-3-pyridinecarboxamide, D-00254
▷Dimefline, D-00377
▷Doxapram, D-00591
▷Etamiphylline, E-00137
▷Ethamivan, E-00146
▷4-Ethyl-4-methyl-2,6-piperidinedione, *in* E-00203
Fominoben, F-00240
3-Hydroxy-14,15-epoxy-20,22-bufadienolide, H-00128
5-(1-Hydroxy-1-methylethyl)-2-methyl-2-cyclohexen-1-ol, H-00162
▷α-Lobeline, *in* L-00064
Narceine, N-00051
Peganine, P-00050
▷2-(1-Piperidinylmethyl)cyclohexanone, P-00288
▷Pyridofylline, *in* P-00582
Taloximine, T-00016
▷Theophylline nicotinamide, *in* T-00169
▷Tropirine, T-00555

Sulfonamides

Acetylsulfamethoxazole, *in* S-00244
▷*N*-[(4-Aminophenyl)sulfonyl]benzamide, *in* A-00213
N-[(4-Aminophenyl)sulfonyl]-*N*-(6-methoxy-3-pyridazinyl)-acetamide, *in* S-00246
▷4-Amino-*N*-2-quinoxalinylbenzenesulfonamide, *in* A-00332
[[[(2,6-Dimethyl-4-pyrimidinyl)amino]sulfonyl]phenyl]-formamide, *in* S-00254
Disulphamide, D-00543
Mafenide, M-00002
Maleylsulfathiazole, M-00015
Phthalylsulfacetamide, P-00225
Salazodimethoxine, S-00007
Salazosulfamide, S-00009
Salazosulphadimidine, S-00011
Stearylsulfamide, S-00142
▷Sulfacetamide, *in* A-00213
▷Sulfaclomide, S-00188
Sulfaclorazole, S-00189
Sulfaclozine, S-00190
Sulfacytine, S-00191
Sulfadicramide, S-00192
▷Sulfadoxine, S-00193
Sulfaguanole, S-00194
Sulfamazone, S-00195
▷Sulfamethazine, S-00196
▷Sulfametomidine, S-00197
▷Sulfametopyrazine, S-00198
▷Sulfamonomethoxime, S-00200
▷Sulfanilamide, *in* A-00213
Sulfanilanilide, S-00202
▷Sulfanilylurea, S-00203
Sulfanitran, S-00204
Sulfaperin, S-00206
Sulfapyrazole, S-00207
Sulfapyridazine, S-00208
Sulfasuccinamide, S-00209
Sulfasymazine, S-00210
Sulfathiadiazole, S-00211
Sulfatroxazole, S-00212
Sulfatrozole, S-00213
▷Sulfisoxazole, S-00215
Sulphachlorpyridazine, S-00236
▷Sulphadiazine, S-00237
▷Sulphadimethoxine, S-00238
Sulphaethidole, S-00239
▷Sulphaguanidine, S-00240
Sulphaloxic acid, S-00241
▷Sulphamerazine, S-00242
▷Sulphamethizole, S-00243
▷Sulphamethoxazole, S-00244
▷Sulphamethoxydiazine, S-00245
▷Sulphamethoxypyridazine, S-00246
▷Sulphamoprine, S-00247
▷Sulphamoxole, S-00248
▷Sulphaphenazole, S-00250
Sulphaproxyline, S-00251
▷Sulphapyridine, S-00252
▷Sulphasalazine, S-00253
▷Sulphasomidine, S-00254
Sulphasomizole, S-00255
▷Sulphathiazole, S-00256
Sulphathiourea, S-00257
▷Sulthiame, S-00263
Terephtyl, T-00087
Zonisamide, *in* B-00087

Sunscreen agents

▷4-Aminobenzoic acid, A-00216
5-Benzoyl-4-hydroxy-2-methoxybenzenesulfonic acid, B-00098
Bornelone, B-00257
Bumetrizole, B-00357
β-Carotene, C-00088
Cinoxate, C-00378
2-Cyclohexyl-5,9-dimethyl-4,8-decadienoic acid, C-00607
▷2,4-Dihydroxybenzophenone, D-00318
8-Ethoxy-5-quinolinesulfonic acid, E-00171
▷Etocrilene, *in* C-00582
▷7-Hydroxy-2*H*-1-benzopyran-2-one, H-00114
2-Hydroxy-4-methoxy-4′-methylbenzophenone, H-00150
▷(2-Hydroxy-4-methoxyphenyl)methanone, *in* D-00318
▷7-Hydroxy-4-methyl-2*H*-1-benzopyran-2-one, H-00156
▷2-(2-Hydroxy-5-methylphenyl)-2*H*-benzotriazole, H-00172
▷2-Hydroxy-1,4-naphthoquinone, H-00178
Mefenidil, M-00063
Octabenzone, O-00004
Octocrilene, *in* C-00582
Octrizole, O-00027

Padimate O, *in* D-00405
▷Titanium dioxide, T-00326
2,2′,4-Trihydroxybenzophenone, T-00472
3,3,5-Trimethylcyclohexyl 2-hydroxybenzoate, T-00507

Sympathomimetic agents

▷Adrenaline, A-00075
▷Adrenalone, A-00076
Aganodine, A-00083
Alifedrine, A-00118
▷2-Amino-1-(3-hydroxyphenyl)ethanol, A-00272
4-Amino-5-phenyl-1-pentene, A-00307
3-(2-Aminopropyl)phenol, A-00321
4-(2-Aminopropyl)phenol, A-00322
Arnolol, A-00445
N-Benzyl-*N*,α-dimethylphenethylamine, B-00115
Broxaterol, B-00332
Cinamolol, C-00354
Clenbuterol, C-00419
Clorprenaline, C-00502
α-[[(3-Cyclohexyl-1-methylpropyl)amino]methyl]-3-hydroxybenzyl alcohol, C-00619
▷Dimepropion, D-00382
▷2-Dimethylamino-1-phenyl-1-propanol, D-00418
▷*N*,α-Dimethylcyclopentaneethanamine, *in* A-00232
▷*N*,6-Dimethyl-5-hepten-2-amine, *in* M-00256
Dimetofrine, D-00459
Dioxethedrin, D-00476
Dipivefrin, D-00518
Dizocilpine, D-00560
Dobutamine, D-00561
Ecastolol, E-00004
Etafedrine, E-00133
Ethylnorepinephrine, E-00212
▷Etilefrine, *in* A-00272
Etilefrine pivalate, *in* A-00272
Etoxadrol, E-00264
▷Fenoterol, F-00064
Fenoxazoline, F-00066
Fenproporex, F-00073
▷2-Heptanamine, H-00030
▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272
Idralfidine, I-00018
▷Isoprenaline, I-00198
▷Lysergide, L-00122
▷Mazindol, M-00029
▷Metaterol, M-00151
Methoxyphedrine, M-00210
Methoxyphenamine, M-00211
▷2-Methylamino-1-phenyl-1-propanol, M-00221
▷Methylphenidate, *in* R-00065
▷2-Methyl-3-phenyl-2-butylamine, M-00288
▷3-Methyl-2-phenylmorpholine, M-00290
Metiprenaline, M-00323
Midodrine, M-00369
▷Naphazoline, N-00041
▷Neostigmine(1+), N-00070
Noradrenaline, N-00208
▷Octopamine, O-00022
▷Orciprenaline, O-00053
Phenamazoline, P-00141
▷1-Phenyl-2-propylamine, P-00202
▷Pirbuterol, P-00316
Pivenfrine, P-00364
Procaterol, P-00449
Protokylol, P-00540
▷Reproterol, R-00026
Rimiterol, R-00058
Ritodrine, R-00067
Ronactolol, R-00083
▷Salbutamol, S-00012
Salmefamol, S-00018
▷Soterenol, S-00107
▷Terbutaline, T-00084
▷Tetrahydrozoline, T-00140
Tramazoline, T-00395
Tymazoline, T-00580
▷Xylometazoline, X-00023

Tetracyclines

Amicycline, A-00189
Aminochlorthenoxycycline, A-00227
Apicycline, A-00423
▷Aureomycin, A-00476
▷Bromotetracycline, B-00318
Clomocycline, C-00473
▷6-Demethyl-7-chlorotetracycline, D-00064
6-Demethyl-6-deoxytetracycline, D-00065
6-Demethyltetracycline, D-00066
6-Deoxy-5-hydroxytetracycline, D-00080
Ditetracycline, D-00547
Etamocycline, E-00138
▷Guamecycline, G-00097
▷Lymecycline, L-00120
▷Meclocycline, M-00044
Meglucycline, M-00072
▷Mepicycline, M-00096
▷Methacycline, M-00161
▷Minocycline, M-00387
Morphocycline, M-00450
Nitrocycline, N-00175
▷Oxytetracycline, O-00166
Pecocycline, P-00049
Penimepicycline, P-00068
Penimocycline, P-00069
▷Rolitetracycline, R-00078
▷Tetracycline, T-00109

Tonics

myo-Inositol, I-00074
▷Strychnine, S-00167
▷Strychnine N-oxide, *in* S-00167

Tranquillisers

Acaprazine, A-00004
▷Acepromazine, A-00015
Acetophenazine, A-00025
Alpertine, A-00146
▷Alprazolam, A-00150
▷4-Amino-3-phenylbutanoic acid, A-00303
▷Amiperone, A-00343
Androst-5-en-3,16-diol, A-00382
Arfendazam, A-00439
▷Axiquel, *in* E-00204
Azabuperone, A-00492
▷Azaperone, A-00503
▷Benactyzine, B-00034
Benapryzine, B-00037
Benolizime, *in* D-00034
▷Benperidol, B-00060
Bentazepam, B-00066
Benzindopyrine, B-00084
Benzquinamide, B-00102
▷1-Benzyl-2,3,4,9-tetrahydro-1*H*-pyrido[3,4-*b*]indole, B-00130
▷2,2-Bis(chloromethyl)-1,3-propanediol, B-00200
Broclepride, B-00274
▷Brofoxine, B-00280
▷Bromazepam, B-00285
Bromperidol, B-00324
▷Buspirone, B-00378
Butaclamol, B-00382
Butamoxane, B-00388
▷Butaperazine, B-00394
▷Camazepam, C-00019

▷Captodiame, C-00033
Carburazepam, C-00069
Carphenazine, C-00095
▷Chlordiazepoxide, C-00200
▷Chlormezanone, C-00210
▷7-Chloro-1,3-dihydro-5-phenyl-2*H*-1,4-benzodiazepin-2-one, *in* D-00148
▷2-(3-Chlorophenyl)-3-methyl-2,3-butanediol, C-00267
▷2-(4-Chlorophenyl)-4-methyl-2,4-pentanediol, C-00270
▷Chlorproethazine, C-00296
▷Chlorpromazine, C-00298
▷Chlorprothixene, C-00300
Ciclofenazine, C-00329
Ciclotizolam, C-00334
Cinoctramide, C-00374
Ciprazafone, C-00386
▷Clazolam, C-00411
▷Clobazam, C-00433
Clofenetamine, C-00452
Clofluperol, C-00460
▷Clomacran, C-00465
Clopenthixol, C-00481
Cloperidone, C-00483
Clopimozide, C-00485
Clopipazan, C-00486
Clorazepic acid, C-00494
Cloroperone, C-00499
▷Clothiapine, C-00507
▷Clotiazepam, C-00508
Clotixamide, C-00511
▷Cloxazolam, C-00517
▷Clozapine, C-00521
Cyclarbamate, C-00587
▷Cyprazepam, C-00645
▷Cyproximide, C-00652
Dapiprazole, D-00013
▷Delorazepam, D-00056
▷Demoxepam, D-00069
▷Desogestrel, D-00099
▷Diazepam, D-00148
Diclometide, D-00213
Difenclosazine, D-00263
Dimeprozan, D-00383
4-(2,3-Dimethylbenzyl)-1*H*-imidazole, D-00426
4,6-Dimethyl-3(2*H*)-pyridazinone, D-00450
Diphenylphosphinylacetic acid hydrazide, D-00502
α,α-Diphenyl-2-piperidinemethanol, D-00504
α,α-Diphenyl-4-piperidinemethanol, D-00506
▷Droperidol, D-00608
Ectylurea, E-00011
▷Emylcamate, E-00042
Enciprazine, E-00045
Enpiprazole, E-00063
▷Etaqualone, E-00140
Etazolate, E-00143
▷Ethomoxane, E-00158
▷Ethyl 4-fluorophenyl sulfone, E-00191
Ethyl loflazepate, E-00197
3-Ethyl-3-phenyl-2,6-piperazinedione, E-00216
▷Etifoxine, E-00236
▷Etilamfetamine, *in* P-00202
▷Etodroxizine, E-00246
Etymemazine, E-00266
▷Febarbamate, F-00022
▷Fenaperone, F-00036
▷Fenimide, F-00053
Fenobam, F-00059
Flucindole, F-00136
▷Fludiazepam, F-00144
Flumezapine, F-00161
▷Fluopromazine, F-00176
Fluotracen, F-00192
▷Flupenthixol, F-00198
Flupentixol decanoate, *in* F-00198
▷Fluphenazine, F-00202
Fluphenazine caproate, *in* F-00202
▷Fluphenazine decanoate, *in* F-00202
▷Fluphenazine enanthate, *in* F-00202
Fluspiperone, F-00222
▷Fluspirilene, F-00223
▷Flutoprazepam, F-00231
Flutroline, F-00232
Fosazepam, F-00253
Gepirone, G-00019
▷Halazepam, H-00003
Halopemide, H-00012
Haloperidide, H-00014
Haloperidol decanoate, *in* H-00015
▷Haloperidol, H-00015
▷Haloxazolam, H-00020
2-Hydroxyethyl benzylcarbamate, H-00129
▷Hydroxyphenamate, *in* P-00179
▷Hydroxyzine, H-00222
Iclazepam, I-00011
Imiclopazine, I-00028
Imidoline, I-00035
Indopine, I-00067
Isamoltan, I-00175
Ketazolam, K-00012
Lenperone, L-00024
Lofendazam, L-00072
Lometraline, L-00079
Lorazepam, *in* D-00056
Lorazepam pivalate, *in* D-00056
▷Lorzafone, L-00100
▷Loxapine, L-00106
▷Mebutamate, M-00039
Meclonazepam, M-00047
Mecloralurea, M-00048
▷Medazepam, M-00053
▷Mephenoxalone, M-00095
Mepiprazole, M-00099
▷Meprobamate, M-00104
▷Mesoridazine, M-00134
▷Methopromazine, M-00190
Methotrimeprazine, M-00193
▷5-Methyl-5-propyl-2-*p*-tolyl-1,3,2-dioxaborinane, M-00301
Metoserpate, M-00336
Milipertine, M-00375
▷Molindone, M-00423
Moperone, M-00432
Motrazepam, M-00455
▷Nabilone, N-00002
Naranol, N-00049
Neflumozide, N-00062
Nelezaprine, N-00065
▷Nimetazepam, N-00147
Nisobamate, N-00158
▷Nitrazepam, N-00170
Nitrazepate, N-00171
Nonaperone, N-00204
Nortetrazepam, N-00223
Nuclotixene, N-00231
▷Opipramol, O-00052
Oxaflumazine, O-00077
▷Oxanamide, O-00085
Oxaprazine, O-00090
▷Oxazepam, O-00096
▷Oxazolam, O-00098
Oxiperomide, O-00117
Penfluoridol decanoate, *in* P-00062
▷Penfluridol, P-00062
Pentabamate, *in* M-00279
Pentiapine, P-00097
Peralopride, P-00112
Peratizole, P-00115
▷Perazine, P-00116
▷Pericyazine, P-00121
▷Perphenazine, P-00129
▷Perphenazine acetate, *in* P-00129

▷Perphenazine trimethoxybenzoate, *in* P-00129
▷Phenaglycodol, P-00139
▷Pimozide, P-00263
▷Pinazepam, P-00268
Pinoxepin, P-00272
▷Pipamazine, P-00273
▷Piperacetazine, P-00282
Piquindone, P-00311
Pirenperone, P-00320
Pivoxazepam, P-00367
▷Prazepam, P-00404
▷Prochlorperazine, P-00450
Procymate, P-00456
Proflazepam, P-00464
▷Promazine, P-00475
▷Prothipendyl, P-00536
2-(4-Pyridyl)benzofuran, P-00583
Ramciclane, R-00006
Rescinnamine, *in* R-00028
▷Reserpine, R-00029
Revospirone, R-00035
Rilapine, R-00050
Rimcazole, R-00056
Ripazepam, R-00062
Risperidone, R-00063
Rolipram, R-00077
Spiclomazine, S-00114
▷Spiperone, S-00115
▷Spirilene, S-00121
Spiroxatrine, S-00132
▷Stiripentol, S-00157
▷Sulazepam, S-00180
▷Sulforidazine, S-00222
▷Sultopride, S-00264
Suproclone, S-00273
Suriclone, S-00278
Taclamine, T-00002
Teflutixol, T-00054
▷Temazepam, *in* O-00096
Tepirindole, T-00076
▷Tetrabenazine, T-00102
▷Tetrazepam, T-00154
▷Thioridazine, T-00209
▷Thiothixene, T-00213
Timelotem, T-00283
Tioperidone, T-00301
Tiospirone, T-00304
Tofisoline, T-00341
▷Tofisopam, T-00342
Tolpiprazole, T-00365
Tolufazepam, T-00372
Tracazolate, T-00393
Trepipam, T-00412
Triclodazol, T-00449
▷Triflubazam, T-00460
Trifluomeprazine, T-00462
▷Trifluoperazine, T-00463
▷Trimeprazine, T-00495
▷4-(3,4,5-Trimethoxybenzoyl)morpholine, T-00502
▷3-(3,4,5-Trimethoxyphenyl)-2-propenamide, *in* T-00480
4-(α,2,3-Trimethylbenzyl)-1*H*-imidazole, T-00505
▷Tritiozine, T-00540
Tropabazate, T-00546
Tropapride, T-00548
Tuclazepam, T-00573
▷Tybamate, T-00577
Uldazepam, U-00004
Viqualine, V-00053
Zomebazam, Z-00034
Zotepine, Z-00039

Trichomonacides

▷Acinitrazole, *in* A-00294
▷2-Amino-5-nitrothiazole, A-00294
▷Arsenamide, A-00450
Azanidazole, A-00502
▷Carnidazole, C-00083
▷5,7-Diiodo-8-quinolinol, D-00364
▷*N*-Ethyl-*N'*-(5-nitro-2-thiazolyl)urea, E-00211
Fexinidazole, F-00098
▷Hachimycin, H-00001
1-(2-Hydroxypropyl)-2-methyl-5-nitroimidazole, H-00208
Liroldine, L-00056
▷2-Nitro-1*H*-imidazole, N-00179
1-Nitro-2-pentanol; (±)-*form*, Ac, *in* N-00183
N-(5-Nitro-2-thiazolyl)formamide, *in* A-00294
▷Ornidazole, O-00058
Pirinidazole, P-00331
Satranidazole, S-00028
Stirimazole, S-00156
▷Tenonitrozole, T-00072
Ternidazole, T-00094
▷Tinidazole, T-00293
Tivanidazole, T-00327

Trypanocides

4-Amino-6-[(2-amino-1,6-dimethylpyrimidinium-4-yl)amino]-1,2-dimethylquinolinium(2+), A-00207
4-Amino-2-methyl-1-[6-[(2-methyl-4-quinolinyl)amino]hexyl]-quinolinium(1+), A-00284
▷4-Aminophenylarsonic acid, A-00302
▷Benznidazole, B-00089
1,3-Bis(4-amidinophenyl)triazene, B-00187
▷*N,N'*-Bis(4-amino-2-methyl-6-quinolinyl)urea, B-00190
▷*N*-(Carbamoylmethyl)arsanilic acid, C-00041
▷3,8-Diamino-5-ethyl-6-phenylphenanthridinium(1+), D-00132
Dimidium(1+), D-00460
▷Melarsonyl, M-00076
▷Melarsoprol, M-00077
▷Nifurtimox, N-00134
▷Pentamidine, P-00086
Pinafide, P-00266
▷Puromycin, P-00557
Pyritidium(2+), P-00589
Stirimazole, S-00156
▷Suramin sodium, S-00275
Trypan red, T-00564

Tuberculostatic agents

Acedoben, *in* A-00216
Aconiazide, A-00046
▷4-Amino-2-hydroxybenzoic acid, A-00264
4-Amino-2-hydroxybenzoic acid; Me ester, *in* A-00264
▷4-Amino-2-hydroxybenzoic acid; Et ester, *in* A-00264
4-Amino-3-isoxazolidinone, A-00277
4-(Benzamido)salicylic acid, *in* A-00264
▷*N,N'*-Bis(4-ethoxyphenyl)thiourea, *in* B-00222
Capreomycin, C-00031
Citenazone, *in* F-00248
▷Clofazimine, C-00450
Crotoniazide, C-00570
▷Cyanoacetohydrazide, C-00580
Diathymosulfone, D-00146
Diphenylphosphinylacetic acid hydrazide, D-00502
Ditophal, D-00553
2,2'-(1,2-Ethanediyldiimino)bis(1-butanol), E-00148
▷3-Ethoxy-4-hydroxybenzaldehyde, *in* D-00311
▷2-Ethyl-4-pyridinecarbothioamide, E-00220
Ftivazide, F-00269
▷5-Hydroxy-2-methyl-1,4-naphthoquinone, H-00167
▷Isoniazid, I-00195
Metazide, M-00154
2-Methyl-4-pyridinecarboxylic acid, M-00303
4-(Methylsulfonyl)benzaldehyde, M-00306
Morinamide, M-00443
▷Opiniazide, O-00051
Pasiniazid, *in* A-00264

Phenyl aminosalicylate, *in* A-00264
▷Prothionamide, P-00535
▷Pyrazinecarboxamide, *in* P-00560
4-Pyridinecarboxylic acid 2-(sulfomethyl)hydrazide, *in* I-00195
▷2-(3-Pyridinylmethylene)hydrazinecarbothioamide, *in* P-00569
Rifabutin, R-00044
▷Rifampicin, R-00045
Rifapentine, R-00048
Salinazid, S-00016
▷Streptomycin, S-00161
Subathizone, S-00170
Terizidone, T-00092
▷Thiacetazone, *in* A-00210
▷Thiambutosine, T-00173
Thiocarbanidin, T-00197
Thiocarlide, T-00198
2,3,23-Trihydroxy-12-ursen-28-oic acid, T-00485
Verazide, V-00020

Urease inhibitors

Benurestat, B-00070
▷Flurofamide, F-00220
▷*N*-Hydroxyacetamide, H-00106
Tolfamide, T-00348

Uricosuric agents

▷2-Amino-5-chlorobenzoxazole, A-00225
3-Amino-5-methyl-2-phenyl-4-(2-methylpropanoyl)pyrrole, A-00287
▷Benzbromarone, B-00072
Ethebenecid, E-00152
Halofenate, H-00008
▷3-Hydroxy-2-phenyl-4-quinolinecarboxylic acid, H-00195
▷Isobromindione, I-00178
▷Isonixin, I-00196
4-Methyl-*N*,*N*-dipropylbenzenesulfonamide, *in* M-00228
▷Orotic acid, O-00061
Osmadizone, O-00067
▷Probenecid, P-00444
Seclazone, S-00032
▷Sulphinpyrazone, S-00258
▷Tienilic acid, T-00258
2,2,2-Trichloro-4′-hydroxyacetanilide, *in* A-00298

Urinary antimicrobial agents

N-[(4-Aminophenyl)sulfonyl]-*N*-(6-methoxy-3-pyridazinyl)-acetamide, *in* S-00246
▷Hexamethylenetetramine, H-00057
▷4-Hexyl-1,3-benzenediol, H-00071
▷Miloxacin, M-00377
▷Nalidixic acid, N-00029
▷Nitrofurantoin, N-00178
▷Oxolinic acid, O-00131
Sulfacytine, S-00191
▷Sulfanilylurea, S-00203
Sulphachlorpyridazine, S-00236
▷Sulphamethoxazole, S-00244
▷Sulphamethoxypyridazine, S-00246
Terizidone, T-00092

Vasoconstrictors

▷Adrenaline, A-00075
▷Adrenalone, A-00076
Amidephrine, A-00191
2-Amino-1-(3,4-dihydroxyphenyl)-1-propanol, A-00249
2-Amino-1-(3-hydroxyphenyl)-1-propanol, A-00274
▷2-Amino-1-phenylethanol, A-00304
2-Amino-1-phenyl-1-propanol, A-00308
Angiotensinamide, *in* A-00385
▷*Ile*^{3}-*Arginine vasopressin*, V-00013
Cirazoline, C-00395
Clonazoline, C-00476
Coumazoline, C-00556
▷Dihydroergotamine, *in* E-00106
Domazoline, D-00572
▷Dopamine, D-00579
Epinine, E-00081
6,9-Epithio-11,15-dihydroxy-5,13-prostadienoic acid, E-00087
▷Ergocornine, E-00101
Ergocristine, E-00102
▷Ergotamine, E-00106
Felypressin, F-00029
Fenoxazoline, F-00066
▷2-Heptanamine, H-00030
▷3-Hydroxy-α-[(methylamino)methyl]benzenemethanol, *in* A-00272
▷5-Hydroxytryptamine, H-00218
Indanazoline, I-00050
▷Mephentermine, *in* P-00193
Metergotamine, *in* E-00106
▷Methoxamine, M-00194
Methoxyphedrine, M-00210
▷4-[2-(Methylamino)propyl]phenol, M-00222
▷*N*-Methyl-2-cyclohexyl-2-propylamine, M-00242
Methyl cysteine, *in* C-00654
▷6-Methyl-2-heptylamine, M-00257
Metrafazoline, M-00339
Metyzoline, M-00347
Midodrine, M-00369
▷Naphazoline, N-00041
Noradrenaline, N-00208
8-L-Ornithinevasopressin, V-00013
▷Oxymetazoline, O-00153
Phenamazoline, P-00141
Propisergide, P-00506
▷Synephrine, S-00286
Tefazoline, T-00051

Vasodilators

Aceperone, A-00014
▷Acetomenaphthone, *in* D-00333
Acoxatrine, A-00047
2-Aminoethanol nitrate, A-00254
2-Amino-2-(4-hydroxyphenyl)acetic acid, A-00269
▷Aminophylline, *in* T-00169
Ampecyclal, *in* H-00029
Apovincamine, A-00426
Atriopeptin, A-00473
▷Bamethan, B-00010
Bencyclane, B-00042
▷Benfurodil hemisuccinate, B-00053
Bepridil, B-00134
Bradykinins, B-00264
Brazergoline, B-00266
▷Bucladesine, *in* C-00591
Bufeniode, B-00348
2-Butoxyethyl 3-pyridinecarboxylate, B-00421
Capobenic acid, C-00030
Carpronium(1+), C-00100
Carvedilol, C-00105
Ciclactate, *in* T-00506
▷Cyclandelate, C-00586
Dietifen, D-00259
11,15-Dihydroxy-9-oxo-5,13-prostadienoic acid, D-00339
11,15-Dihydroxy-9-oxo-13-prostenoic acid, D-00341
▷*N*,β-Dimethylbenzeneethanamine, *in* P-00203
▷Dimoxyline, D-00463
Diniprofylline, D-00466
Diprofene, D-00521
Domipizone, D-00573
Doxaminol, D-00590
Dramedilol, D-00599
Droprenilamine, D-00609

▷Eledoisin, E-00024
Endralazine, E-00050
▷Ethaverine, E-00150
▷Etofylline, E-00253
Fexicaine, F-00097
Flotrenizine, F-00126
Flunarizine, F-00165
7-Fluoro-1-methyl-3-(methylsulfinyl)-4(1*H*)-quinolinone, F-00188
Fostedil, F-00259
Furafylline, F-00278
▷Hexobendine, H-00066
Ibudilast, I-00006
▷Ifenprodil, I-00020
Imolamine, I-00042
Kallikrein, K-00003
Limaprost, L-00050
Manozodil, M-00020
▷Mecinarone, M-00043
Mesuprine, M-00142
▷2-(2-Methylaminoethyl)pyridine, M-00220
Mexafylline, M-00349
Micinicate, M-00362
▷Molsidomine, M-00425
Monoxerutin INN, *in* R-00106
Mopidralazine, M-00434
▷Naftidrofuryl, N-00023
Naftopidil, N-00025
Nicardipine, N-00088
▷Niceritrol, N-00090
Nicofurate, *in* M-00308
Nilvadipine, N-00144
N-Nonyl 7*H*-pyrrolo[2,3-*d*]pyrimidin-4-amine, *in* A-00330
Oxdralazine, O-00100
▷Oxpentifylline, O-00142
▷Papaverine, P-00019
Papaveroline, P-00020
▷Pentaerythritol tetranitrate, P-00078
Pentifylline, *in* T-00166
Perfomedil, P-00118
▷Pinacidil, P-00264
Prenoverine, P-00421
Primaperone, P-00433
Prizidilol, P-00441
Propentofylline, P-00495
2-Propyl-5-thiazolecarboxylic acid, P-00517
Prostacyclin, P-00528
▷Proxyphylline, P-00551
▷3-Pyridinecarboxylic acid; Me ester, *in* P-00571
3-Pyridinecarboxylic acid; Et ester, *in* P-00571
▷2-Pyridinemethanol, P-00572
▷3-Pyridinemethanol, P-00573
4-(1-Pyrrolidinyl)-1-(2,4,6-trimethoxyphenyl)-1-butanone, P-00598
Rilozarone, R-00054
Saterinone, S-00027
Siguazodan, S-00067
▷Sodium nitrite, S-00089
Sornidipine, S-00105
Sumatriptan, S-00268
Tetrandrine, T-00152
▷Theobromine, T-00166
▷Theophylline, T-00169
Theophylline calcium salicylate, *in* T-00169
Theophylline diethanolamine, *in* T-00169
Theophylline dihydroxyephedrine, *in* T-00169
Theophylline isopropanolamine, *in* T-00169
Theophylline meglumine, *in* T-00169
Theophylline sodium glycinate, *in* T-00169
3-(7-Theophyllinyl)propanesulfonic acid, T-00170
▷Theopylline olamine, *in* T-00169
Thurfyl nicotinate, T-00222
Tibalosin, T-00248
▷Tifemoxone, T-00263
Tinofedrine, T-00295
Tipropidil, T-00317
α-Tocopherol nicotinate, *in* T-00335
Trenizine, T-00411
Tris(2-nitroxyethyl)amine, T-00538
Trixolane, T-00542
Vincamine teprosilate, *in* T-00170
Viprostol, V-00051
Zolertine, Z-00030

Vasodilators, cerebral

Ajmalicine, A-00087
Belarizine, B-00029
Cilostazol, C-00347
Cinnarizine, C-00372
Dihydroergocristine, *in* E-00102
Ecipramidil, E-00006
Elziverine, E-00032
Fenoxedil, F-00067
Heptaminol acefyllinate, *in* H-00029
Iloprost, I-00023
Mefenidil, M-00063
Nicaraven, N-00087
Nimodipine, N-00149
Quinicine, Q-00026
Vincamine, V-00033
Vincamone, *in* E-00003
▷Vinpocetine, V-00042

Vasodilators, coronary

Amikhelline, A-00197
Aminoxytriphene, A-00341
▷Amiodarone, A-00342
Azaclorzine, A-00493
▷Bamifylline, B-00011
▷Benziodarone, B-00085
▷2-Benzylbenziimidazole, B-00107
Bumedipil, B-00355
▷Chloracyzine, C-00192
▷Chromonar, C-00312
Cinecromen, C-00359
Cinepazic acid, C-00362
Cinfenine, C-00364
Cinpropazide, C-00382
Clonitrate, *in* C-00278
Cloranolol, C-00493
Cloricromen, C-00497
Cloridarol, C-00498
Coralgil, *in* B-00220
Darodipine, D-00016
Diclofurime, D-00212
2-(2,2-Dicyclohexylvinyl)piperidine, D-00217
Diethylstilbestrol, D-00257
Dilazep, D-00370
Dilmefone, D-00371
Diltiazem, D-00373
N-(3,3-Diphenylpropyl)-*N'*-(1-methyl-2-phenylethyl)-1,3-propanediamine, D-00513
▷Dipyridamole, D-00530
Dopexamine, D-00581
▷Efloxate, E-00019
Emopamil, E-00039
▷Erythritol, E-00114
Erythrityl tetranitrate, *in* E-00114
Etafenone, E-00134
2-Ethyl-2-[(nitrooxy)methyl]-1,3-propanediol dinitrate (ester), *in* E-00194
Fenalcomine, F-00034
▷Fendiline, F-00044
Fenetradil, F-00048
Floredil, F-00123
Furidarone, F-00292
Gallopamil, G-00006
▷Ganglefene, G-00010

D-Glucitolhexanicotinate, *in* G-00054
Heptaminol, H-00029
▷Hexobendine, H-00066
▷2-(Hexyloxy)benzamide, H-00073
Ipramidil, I-00154
▷Isosorbide dinitrate, *in* D-00144
Isosorbide mononitrate, *in* D-00144
Isradipine, I-00219
▷Khellinin, *in* K-00023
Lidoflazine, L-00045
Linsidomine, L-00052
▷Mannitol hexanitrate, *in* M-00018
Mecrifurone, M-00052
▷Medibazine, M-00055
Mepramidil, M-00103
Mesudipine, M-00139
3-Methyl-4*H*-1-benzopyran-4-one, M-00231
▷3-Methyl-1-butyl nitrite, M-00237
N-[(2-Methylphenyl)methyl]adenosine, *in* A-00067
Mindodilol, M-00383
Mixidine, M-00410
Morocromen, M-00445
Nicorandil, N-00102
Nictiazem, N-00106
▷Nifedipine, N-00110
Nisoldipine, N-00159
▷Oxprenolol, O-00145
Oxyfedrine, O-00151
Pentaerythritol trinitrate, *in* P-00077
▷Pimefylline, P-00254
Pipoctanone, P-00299
Piprofurol, P-00309
Pirozadil, P-00354
▷Prenylamine, P-00423
Pretiadil, P-00426
▷Pyridofylline, *in* P-00582
Razinodil, R-00014
Stevaladil, *in* A-00315
Terodiline, *in* D-00489
Tiapamil, T-00241
Tixadil, T-00328
▷Trapidil, T-00401
Trimetazidine, T-00497
▷Verapamil, V-00019
Vesnarinone, V-00026
▷Visnadine, V-00057
Visnafylline, *in* M-00202

Vasodilators, peripheral

▷Acetylcholine(1+), A-00030
Ajmalicine, A-00087
▷Azapetine, A-00504
▷2-Benzyl-2-imidazoline, B-00120
Butalamine, B-00385
Buterizine, B-00398
Carprazidil, C-00098
Cetiedil, C-00183
Ciclonicate, *in* T-00506
Cinepazet, *in* C-00362
Cinepazide, C-00363
Darodipine, D-00016
Denbufylline, D-00072
Dihydroergocristine, *in* E-00102
Di(4-pyridylmethyl)amine, D-00531
Ecipramidil, E-00006
Elziverine, E-00032
Fenoxedil, F-00067
▷Glycerol trinitrate, G-00066
▷Guanethidine, G-00102
Hepronicate, *in* H-00072
2-Hexyl-2-(hydroxymethyl)-1,3-propanediol, H-00072
▷1-Hydrazinophthalazine, H-00096
Hydroxypyridine tartrate, *in* H-00209
Iloprost, I-00023
▷Inositol nicotinate, *in* I-00074
Iproxamine, I-00164
▷Isoxsuprine, I-00218
Isradipine, I-00219
Lomifylline, L-00081
▷Mecamylamine, M-00041
▷Minoxidil, M-00388
Nicametate, N-00086
▷Nicergoline, N-00089
Nicofuranose, N-00098
Picodralazine, P-00238
Pipratecol, P-00307
▷Piribedil, P-00324
Quazinone, Q-00005
Suloctidil, S-00231
▷Thymoxamine, T-00227
▷Tolperisone, T-00364
Toprilidine, T-00383
▷Xanthinol, X-00003

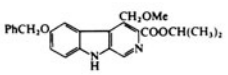
Vitamins

4-Acetamido-2-methyl-1-naphthol, *in* A-00285
▷Acetomenaphthone, *in* D-00333
Alfacalcidol, A-00109
▷4-Amino-2-methyl-1-naphthol, A-00285
Ascorbic acid, A-00456
▷Benfotiamine, B-00052
Biotin, B-00173
▷Calciferol, C-00012
▷Calcitriol, *in* A-00109
Carnitine, C-00084
β-Carotene, C-00088
Coenzyme B_{12}, C-00529
▷Cycotiamine, C-00640
3-[(1,4-Dihydro-3-methyl-1,4-dioxo-2-naphthalenyl)thio]-propanoic acid, D-00288
Ergocalciferol phosphate, *in* C-00012
Ergosterol, E-00105
▷Hopantenic acid, H-00088
Menadiol bissulfobenzoate, *in* D-00333
▷Menadiol dibutyrate, *in* D-00333
Menadiol disuccinate, *in* D-00333
Menadiol trimethylammonioacetate chloride, *in* D-00333
Methylcobalamin, M-00241
▷2-Methyl-1,4-naphthoquinone, M-00271
▷Octotiamine, O-00023
▷Panthenol, P-00015
Pantothenic acid, P-00016
▷Pteroylglutamic acid, P-00554
▷3-Pyridinecarboxamide, P-00570
▷3-Pyridinecarboxylic acid, P-00571
▷Pyridoxal phosphate, P-00579
Pyridoxamine 5′-phosphate, P-00581
▷Pyridoxine, P-00582
Retinoic acid, R-00033
▷Riboflavine, R-00038
▷Thiamine, T-00174
▷Thiamine diphosphate, T-00175
Thiamine disulfide, T-00176
▷Thiamine propyl disulfide, T-00177
Tiapirinol, T-00242
Tocofenoxate, T-00333
α-Tocopherol, T-00335
Vintiamol, V-00044
▷Vitamin A_1, V-00058
▷Vitamin K_1, V-00064
Vitamin K_2, V-00065
▷Vitamin D_3, V-00062
Vitamin D_4, V-00063
▷Vitamin B_{12}, V-00059
Vitamin B_{12a}, V-00060
Vitamin B_{12b}, V-00061

Structure Index

This index provides reduced size structural formulae for all compounds in entry number order.

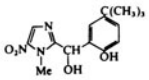
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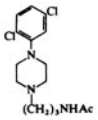
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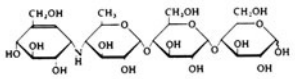
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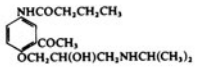
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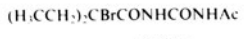
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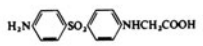
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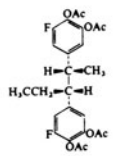
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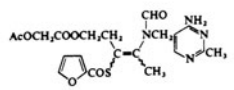
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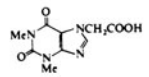
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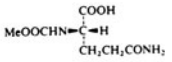
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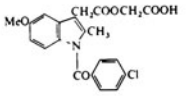
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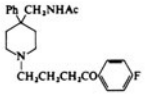
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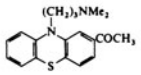
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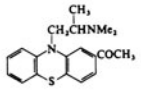
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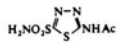
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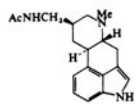
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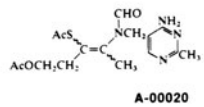
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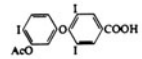


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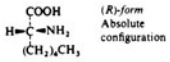


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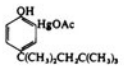
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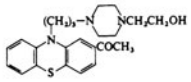
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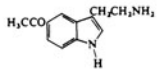
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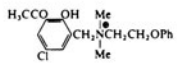
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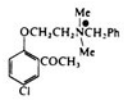
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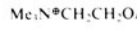
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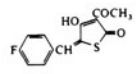
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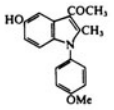
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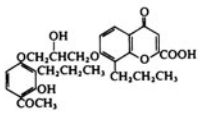
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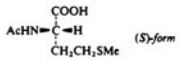
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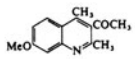
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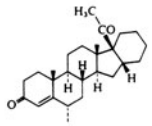
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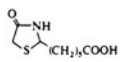
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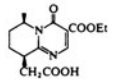
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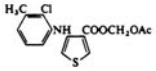
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A-00040

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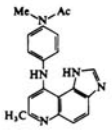
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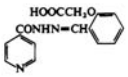
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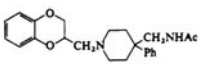
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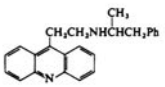
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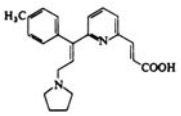
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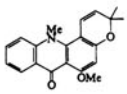
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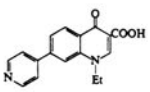
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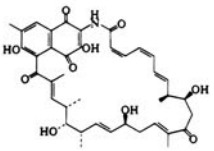
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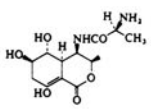
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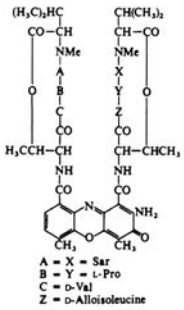
A-00051



A-00052



A-00053



A-00055

As A-00055 with

A = X = Sar
B = Y = L-Pro
C = Z = D-alloisoleucine

A-00056

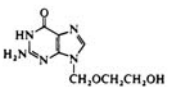
As A-00055 with

A = X = Sar
B = Y = L-Pro
C = Z = D-Val

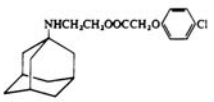
A-00057

Polypeptide antibiotic containing 112 amino acid residues (see refs. for struct.) and an unstable chromophore of unknown struct.

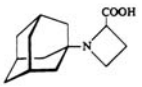
A-00059



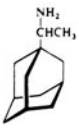
A-00060



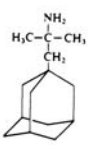
A-00061



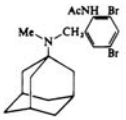
A-00062



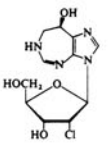
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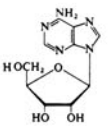
A-00064



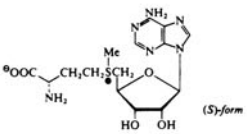
A-00065



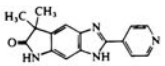
A-00066



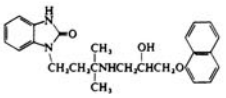
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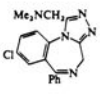
A-00068



A-00069



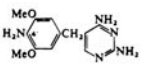
A-00070



A-00071

$Ph_2CHCOOCH_2CH_2NEt_2$

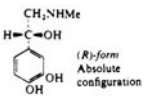
A-00072



A-00073

$Ph_2CHSOCH_2CONHOH$

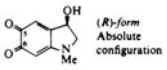
A-00074



A-00075



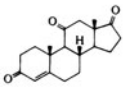
A-00076



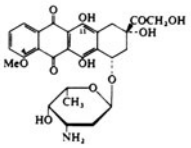
A-00077

H-Tyr-Gly-Gly-Phe-Met-Arg-Arg-Val-NH$_2$

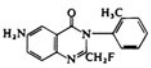
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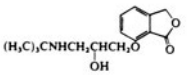
A-00079



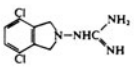
A-00080



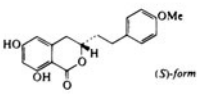
A-00081



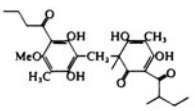
A-00082



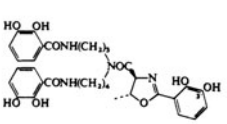
A-00083



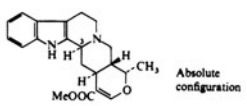
A-00084



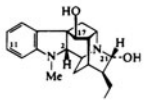
A-00085



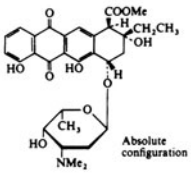
A-00086


Absolute configuration

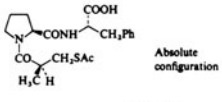
A-00087



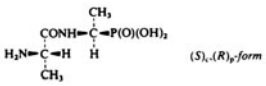
A-00088


Absolute configuration

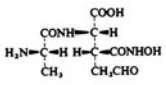
A-00089


Absolute configuration

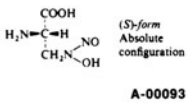
A-00090


(S),-(R)p-form

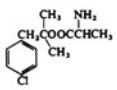
A-00091



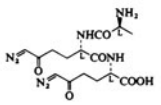
A-00092


(S)-form
Absolute configuration

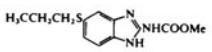
A-00093



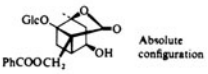
A-00094



A-00095



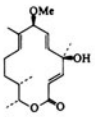
A-00096


Absolute configuration

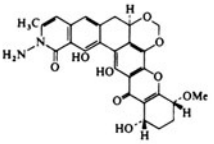
A-00097


(S)-form
Absolute configuration

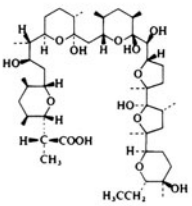
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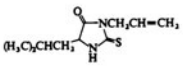
A-00099



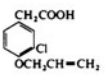
A-00100



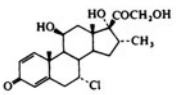
A-00101



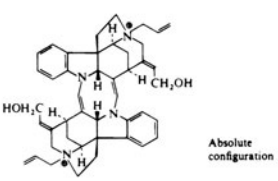
A-00102



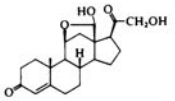
A-00103



A-00104


Absolute configuration

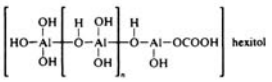
A-00105



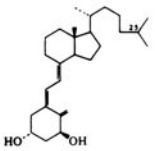
A-00106



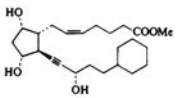
A-00107


hexitol

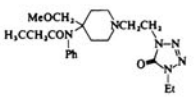
A-00108



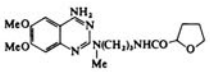
A-00109



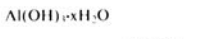
A-00110



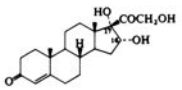
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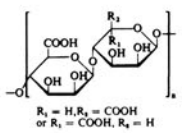
A-00112



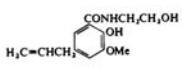
A-00113



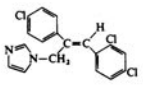
A-00114


$R_1 = H, R_2 = COOH$
or $R_1 = COOH, R_2 = H$

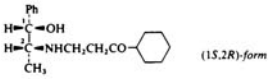
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A-00116



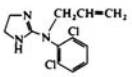
A-00117


(1S,2R)-form

A-00118



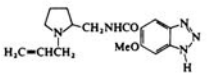
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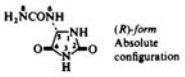
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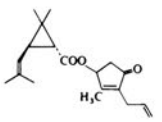
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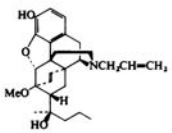
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(R)-form
Absolute configuration

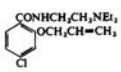
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A-00124



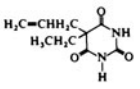
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A-00126

A-00127

A-00128



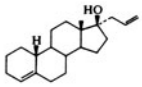
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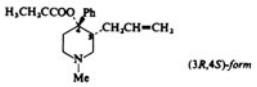
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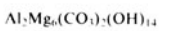
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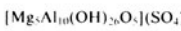
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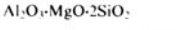
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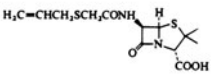
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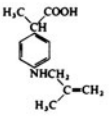
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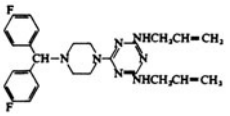
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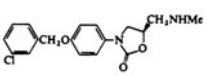
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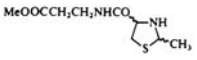
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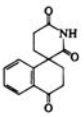
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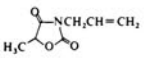
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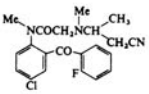
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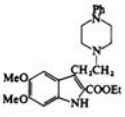
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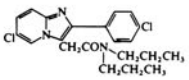
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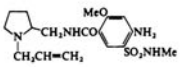
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A-00146



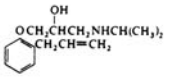
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A-00149



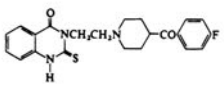
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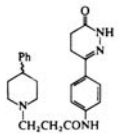
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H-L-β-Ala-L-Tyr-L-Ser-L-Met-L-Glu-L-His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-L-Lys-NH(CH$_2$)$_4$NH$_2$

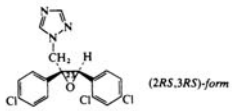
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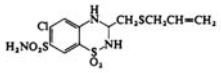
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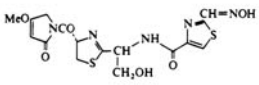
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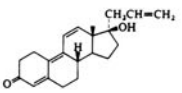
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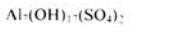
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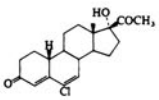
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A-00159



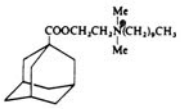
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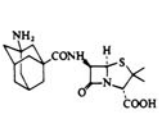
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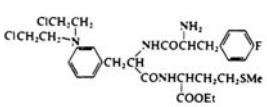
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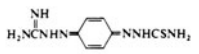
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A-00164



A-00165



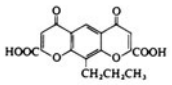
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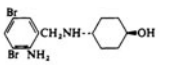
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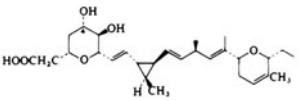
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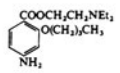
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A-00170



A-00171



A-00172

A-00173

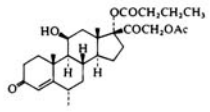
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H$_2$NCOCPh$_2$CH$_2$CH$_2$N$^{\oplus}$MeEt

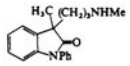
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A-00176

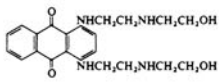
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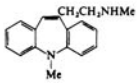
A-00178



A-00179



A-00180



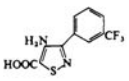
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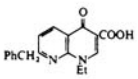
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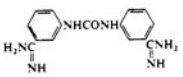
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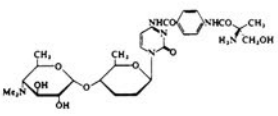
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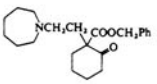
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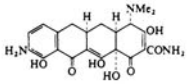
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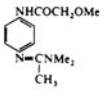
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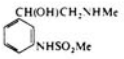
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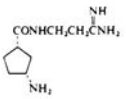
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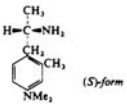
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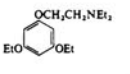


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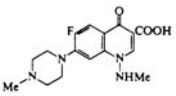


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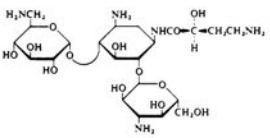
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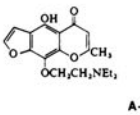
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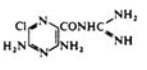
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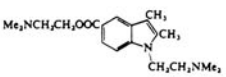
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A-00197



A-00198



A-00199



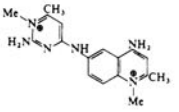
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A-00201



A-00206



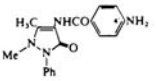
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A-00208



A-00209



A-00211



A-00212



A-00214



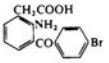
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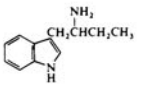


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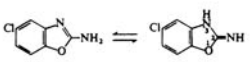


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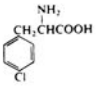
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A-00225



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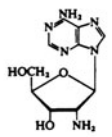
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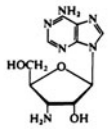
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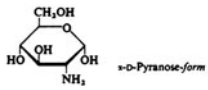
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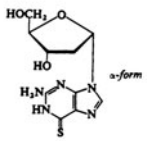
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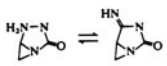
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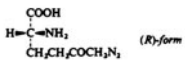
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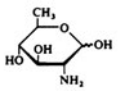
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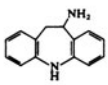
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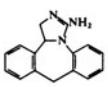
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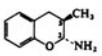
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A-00243



A-00244



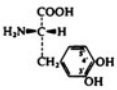
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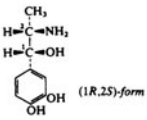
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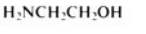
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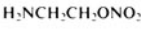
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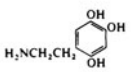
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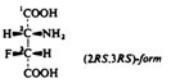
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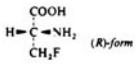
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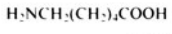
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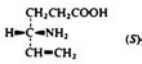
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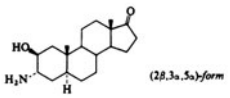
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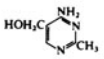
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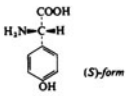
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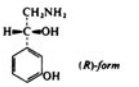
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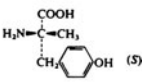
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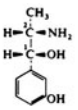
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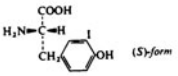
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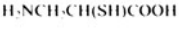
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A-00277



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A-00279

A-00280

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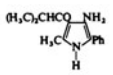
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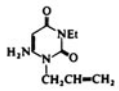
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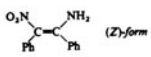
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A-00289



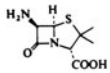
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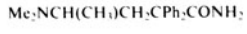
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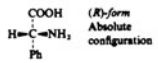
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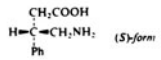
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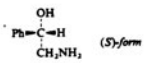
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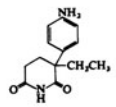
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A-00303



A-00304



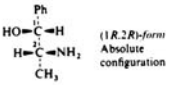
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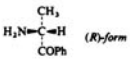
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A-00307



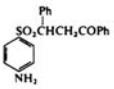
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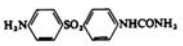
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A-00310



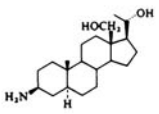
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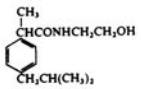
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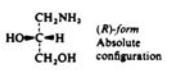
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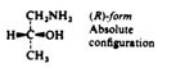
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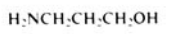
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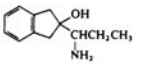
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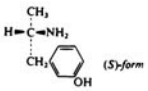
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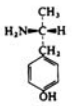
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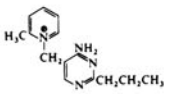
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A-00321



A-00322



A-00323



A-00324



A-00325



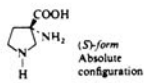
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A-00327



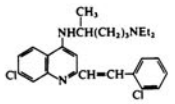
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A-00329



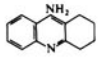
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A-00332



A-00333

A-00334

A-00335

A-00336

A-00338

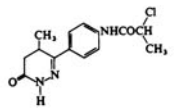
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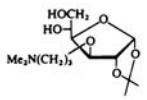
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A-00342

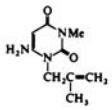
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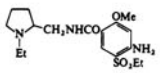
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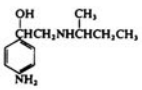
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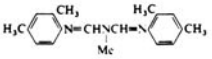
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A-00347



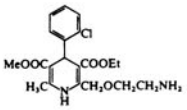
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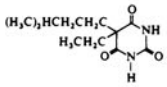
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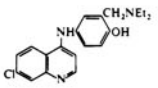
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A-00351



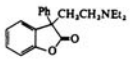
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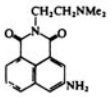
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H₃CCH₂C(CH₃)₂OOC-L-Trp-L-Met-L-Asp-L-PheNH₂

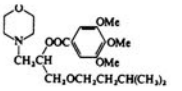
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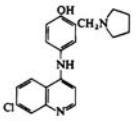
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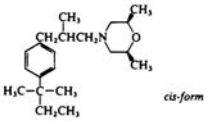
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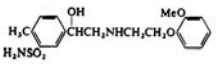
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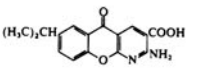
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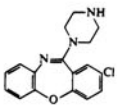
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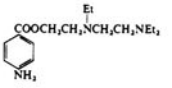
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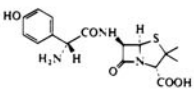
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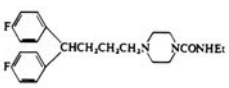
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A-00363



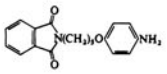
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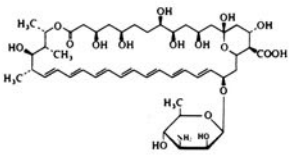
A-00365

Cl₃CCH=NCH(CH₃)CH₂Ph

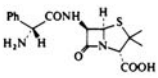
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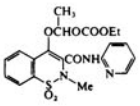
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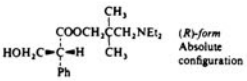
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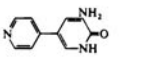
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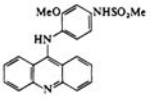
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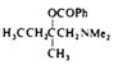
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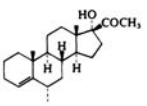
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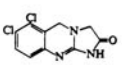
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A-00374



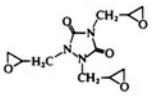
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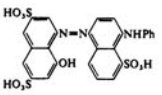
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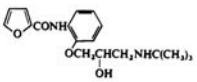
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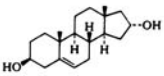
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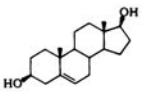
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A-00380



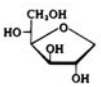
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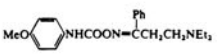
A-00383

Angiotensin I: H-L-Asp-L-Arg-L-Val-L-Tyr-X-L-His-L-Pro-L-Phe-L-His-L-Leu-OH
Angiotensin II: H-L-Asp-L-Arg-L-Val-L-Tyr-X-L-His-L-Pro-L-Phe-OH

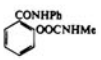
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A-00387



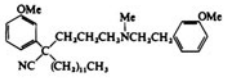
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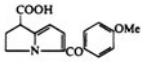
A-00389

A-00390

A-00391



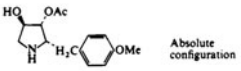
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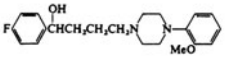
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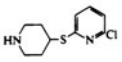
A-00394



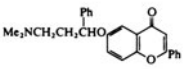
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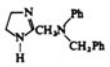
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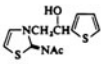
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A-00399



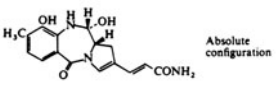
A-00400



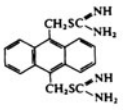
A-00401

$Me_2NCH_2CH_2N(Ph)CH_2Ph$

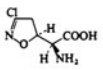
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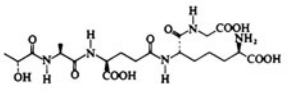
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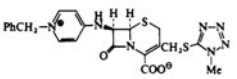
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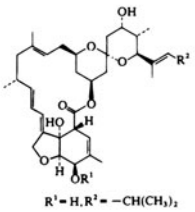
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A-00406

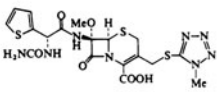


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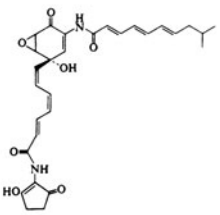


$R^1 = H, R^2 = -CH(CH_3)_2$

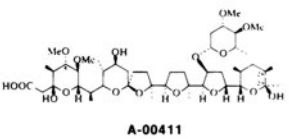
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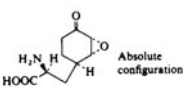
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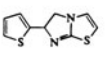
A-00410



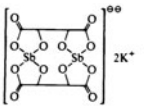
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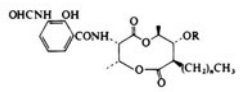
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A-00413

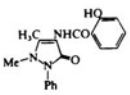


A-00414

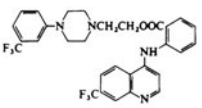


Antimycin A_1 R = $COCH_2CH(CH_3)_2$, n = 5
A_2 R = $COCH_2CH_2CH_3$, n = 5
A_3 R = $COCH_2CH(CH_3)_2$, n = 3
A_4 R = $COCH_2CH_2CH_3$, n = 3
A_5 R = $COCH_2CH(CH_3)_2$, n = 1
A_6 R = $COCH_2CH_2CH_3$, n = 1
Antibiotic 1-2743C R = $COCH_3$, n = 3

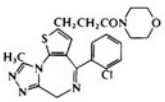
A-00415



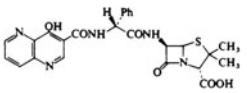
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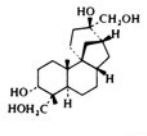
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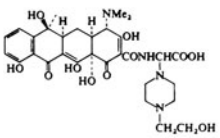
A-00420



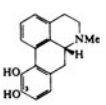
A-00421



A-00422

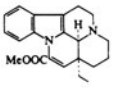


A-00423



(*R*)-form

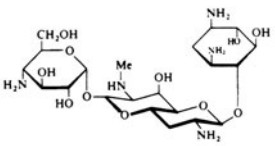
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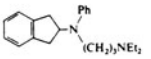
A-00426



A-00427



A-00428



A-00429



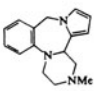
A-00430

$H_3CCPh(COOCH_2CH_2NEt_2)$

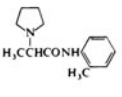
A-00431

H-Arg-Pro-Asp-Phe-Cys-Leu-Glu-Pro-Pro-Tyr-
Thr-Gly-Pro-Cys-Lys-Ala-Arg-Ile-Ile-Arg-
Tyr-Phe-Tyr-Asn-Ala-Lys-Ala-Gly-Leu-Cys-
Gln-Thr-Phe-Val-Tyr-Gly-Gly-Cys-Arg-Ala-
Lys-Arg-Asn-Asn-Phe-Lys-Ser-Ala-Glu-Asp-
Cys-Met-Arg-Thr-Cys-Gly-Gly-Ala-OH

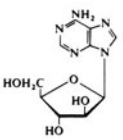
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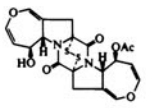
A-00433



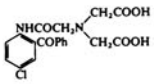
A-00434



A-00435



A-00436



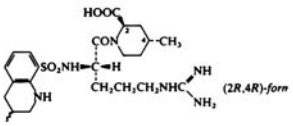
A-00437

$H_2NCOCH_2CH_2CO$-l-Arg-l-Val-l-Tyr-l-Val-l-His-l-Pro-l-PhGlyOH

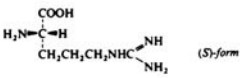
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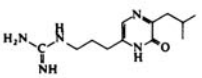
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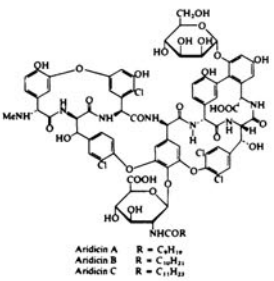
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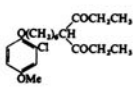
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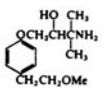
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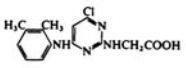
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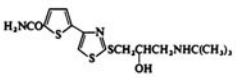
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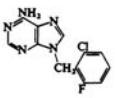
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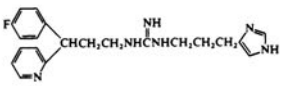
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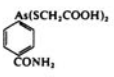
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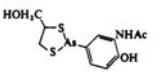
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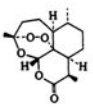
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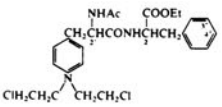
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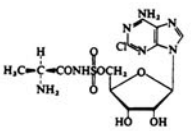
A-00451



A-00452



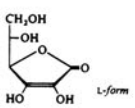
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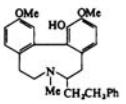
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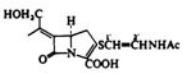
A-00455



A-00456



A-00457



A-00459

$HOOCCH_2CH(NH_2)CONHCH(CH_2Ph)$-COOMe

A-00460

$HOOCCH(NH_2)CH_2CONHCH(COOH)$-$CH_2CH_2COOH$

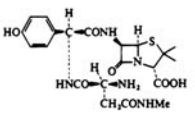
A-00461

$HOOCCH_2CH(COOH)NHCH_2CH$-(COOH)$NHCH_2R$. Aspergillomarasmine A, R = $CH(NH_2)COOH$. Aspergillomarasmine B, R = COOH

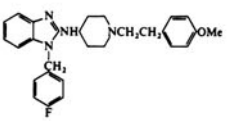
A-00463



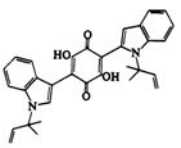
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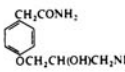
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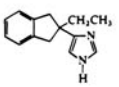
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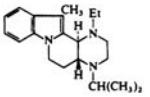
A-00467



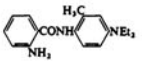
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A-00469



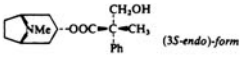
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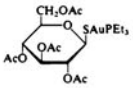
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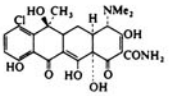
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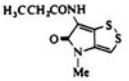
A-00474



A-00475



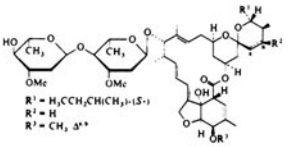
A-00476



A-00477

$PhNHCOCH_2SAu$

A-00478



A-00479

As A-00479 with

R^1 = -$CH(CH_3)_2$, R^2 = H, R^3 = CH_3, $\Delta^{4,5}$

A-00480

As A-00479 with

R^1 = $H_3CCH_2C(CH_3)$-(*S*)-, R^2 = OH, R^3 = CH_3

A-00481

As A-00479 with

R^1 = -$CH(CH_3)_2$, R^2 = OH, R^3 = CH_3

A-00482

As A-00479 with

R^1 = $H_3CCH_2CH(CH_3)$-(*S*-), R^2 = R^3 = H, $\Delta^{4,5}$

A-00483

As A-00479 with
$R^1 = H_3CCH_2CH(CH_3)$-, $R^2 = R^3 = H$, $\Delta^{a,b}$

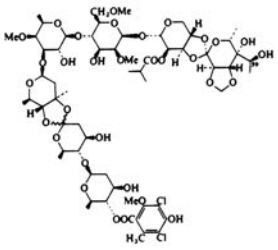
A-00484

As A-00479 with
$R^1 = H_3CCH_2C(CH_3)$- (*S*-), $R^2 = OH$, $R^3 = H$

A-00485

As A-00479 with
$R^1 = -CH(CH_3)_2$, $R^2 = OH$, $R^3 = H$

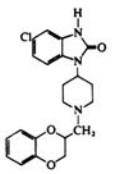
A-00486



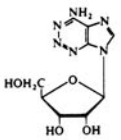
A-00487

$[H_3C(CH_2)_{17}]_2NCH_2CH_2CH_2N(CH_2CH_2OH)_2$

A-00488



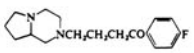
A-00489



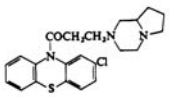
A-00490



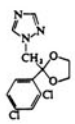
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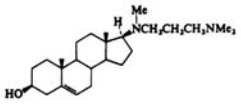
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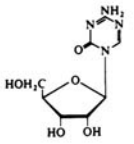
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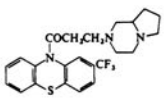
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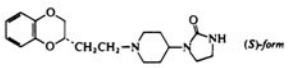
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A-00496



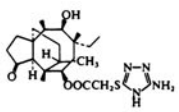
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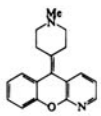
A-00498

$Me_2EtN^{\oplus}CH_2CH_2NMeCH_2CH_2N^{\oplus}EtMe_2$

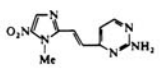
A-00499



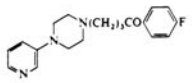
A-00500



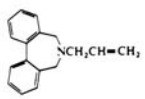
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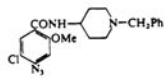
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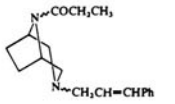
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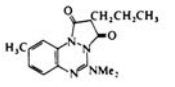
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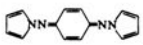
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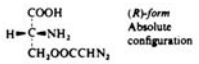
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A-00507

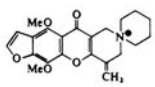


A-00508

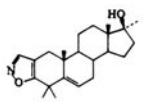


(*R*)-*form*
Absolute configuration

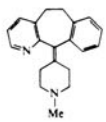
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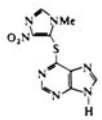
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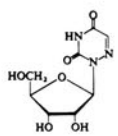
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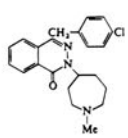
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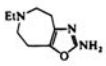
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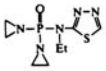
A-00514



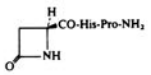
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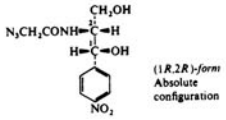
A-00516



A-00517

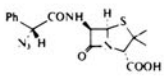


A-00518

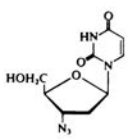


(1*R*,2*R*)-*form*
Absolute configuration

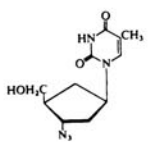
A-00519



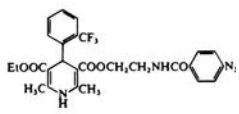
A-00520



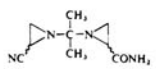
A-00521



A-00522



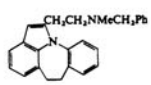
A-00523



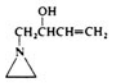
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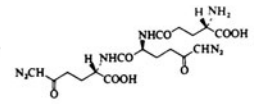
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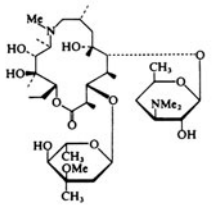
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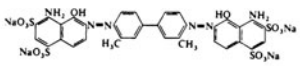
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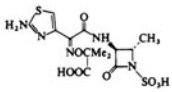
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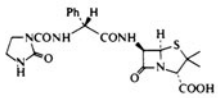
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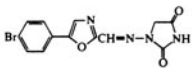
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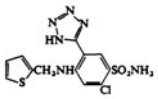
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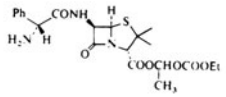


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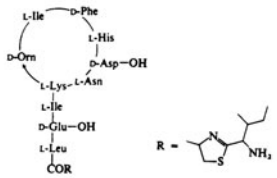


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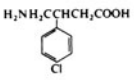
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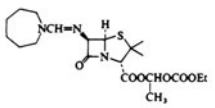
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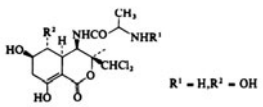
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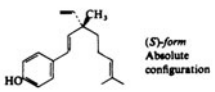
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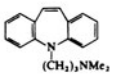
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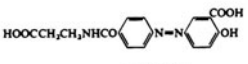
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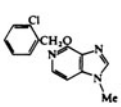
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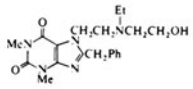
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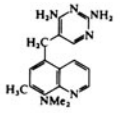
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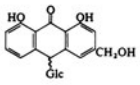
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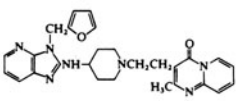


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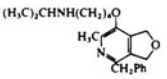


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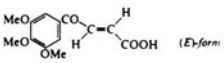
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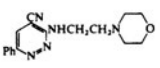
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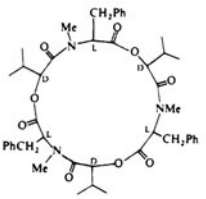
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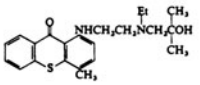
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B-00019



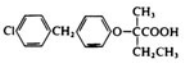
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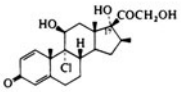
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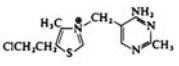
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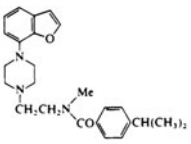
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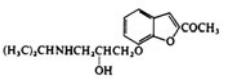
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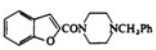
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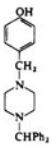
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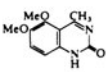
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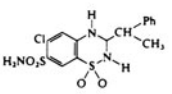
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B-00029



B-00031



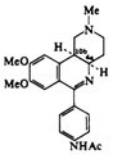
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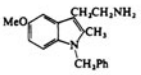
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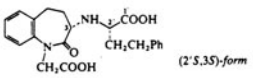
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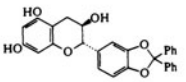
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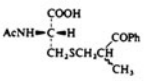
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B-00038



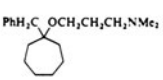
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B-00040



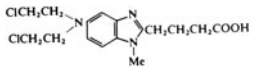
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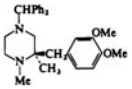
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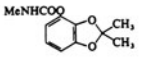
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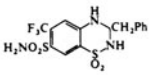
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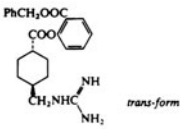
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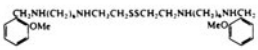
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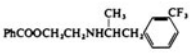
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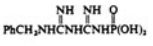
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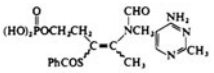
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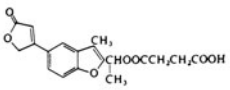
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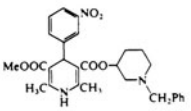
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B-00052

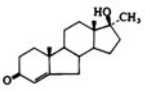


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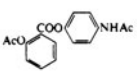


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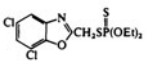
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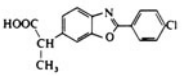
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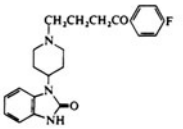
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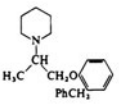
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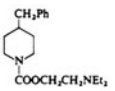
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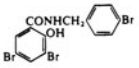
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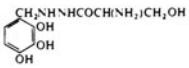
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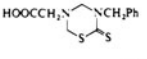
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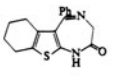
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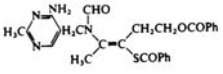
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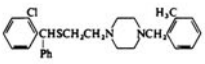
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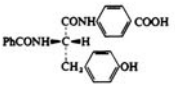
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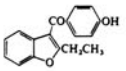
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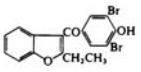
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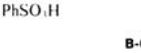
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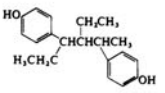
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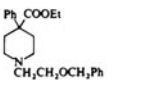
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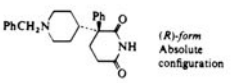
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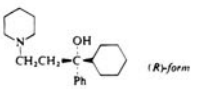
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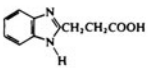
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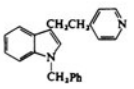
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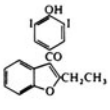
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B-00085



B-00086

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B-00088

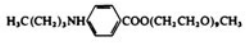
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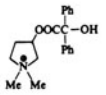
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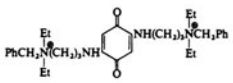
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B-00095



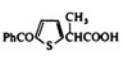
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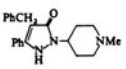
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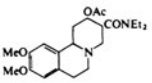
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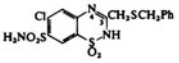
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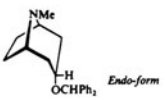
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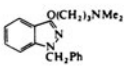


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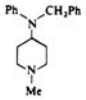


Endo-form

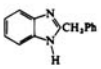
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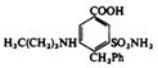
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B-00106



B-00107



B-00108



B-00109



B-00110



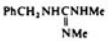
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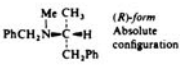
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B-00113



B-00114

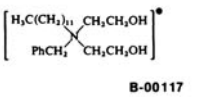


(R)-form Absolute configuration

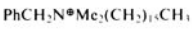
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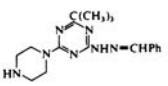
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B-00117



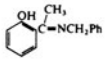
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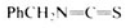
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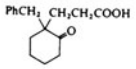
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B-00121



B-00122



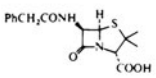
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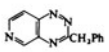
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B-00125



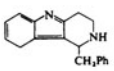
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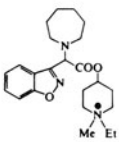
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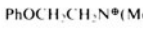
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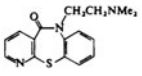
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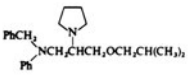
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B-00132



B-00133



B-00134

B-00135

B-00136

B-00137

Absolute configuration

B-00138

B-00139

B-00140

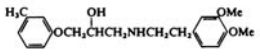
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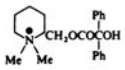
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B-00144

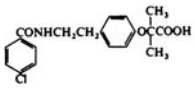
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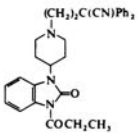
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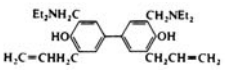
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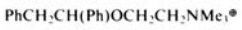
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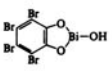
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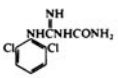
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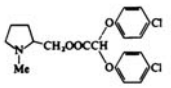
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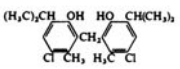
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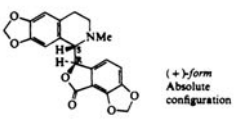
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B-00154

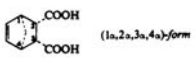


B-00155



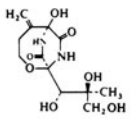
(+)-form
Absolute configuration

B-00156

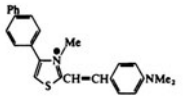


(1α,2α,3α,4α)-form

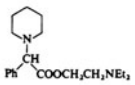
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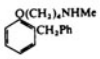
B-00158



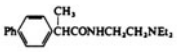
B-00159



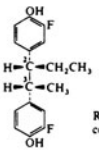
B-00160



B-00161



B-00162

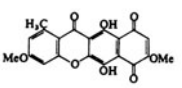


Relative configuration

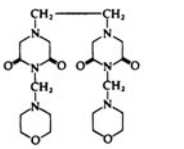
B-00163



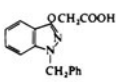
B-00164



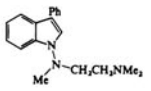
B-00165



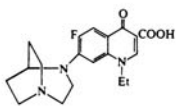
B-00166



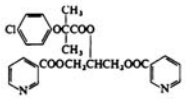
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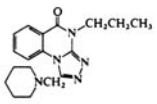
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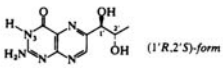
B-00169



B-00170

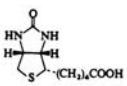


B-00171

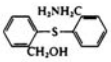


(1'R,2'S)-form

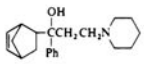
B-00172



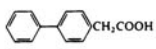
B-00173



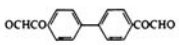
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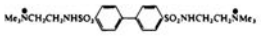
B-00175



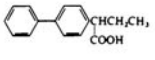
B-00176



B-00177



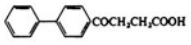
B-00178



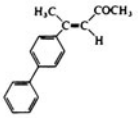
B-00179



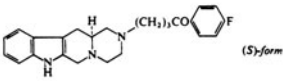
B-00180



B-00181



B-00182

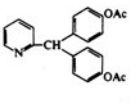


(S)-form

B-00183



B-00184



B-00186

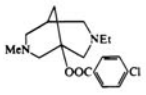
B-00187

B-00188

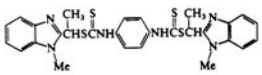
B-00189

B-00190

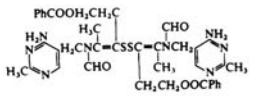
B-00191



B-00192



B-00193



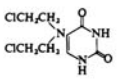
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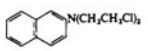
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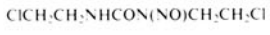
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B-00197

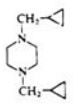


B-00198

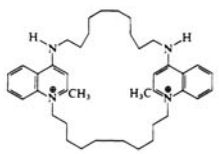


B-00199

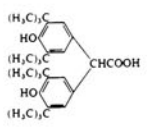
B-00200



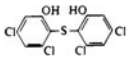
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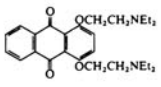
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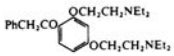
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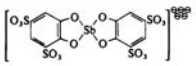
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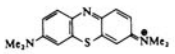
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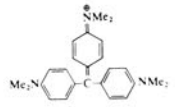
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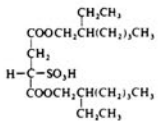
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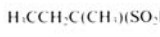
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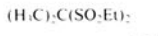
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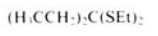
B-00210



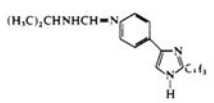
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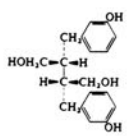
B-00212



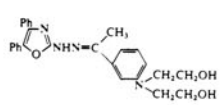
B-00213



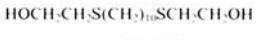
B-00214



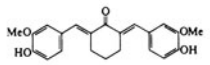
B-00215



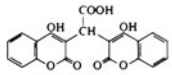
B-00216



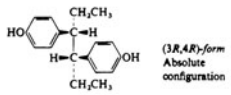
B-00217



B-00218

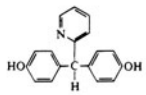


B-00219



(3*R*,4*R*)-*form*
Absolute configuration

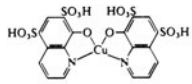
B-00220



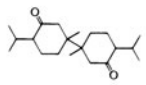
B-00221



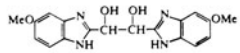
B-00222



B-00223



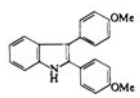
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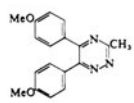
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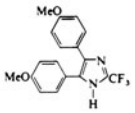
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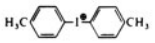
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B-00228



B-00229



B-00230



B-00231

B-00232

B-00233

B-00234

B-00235

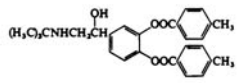
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B-00237

B-00238

B-00239

B-00240

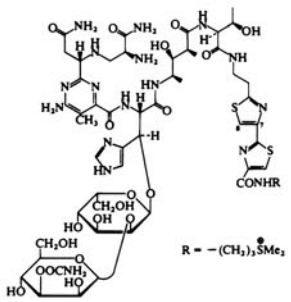


B-00241

As B-00243 with

R = $-(CH_2)_3SOCH_3$

B-00242



B-00243

As B-00243 with

R = $-(CH_2)_3NH(CH_2)_3CH_2NH_2$

B-00244

As B-00243 with

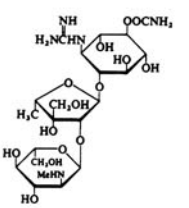
R = $-(CH_2)_4NHC(=NH)NH(CH_2)_4NHC(NH_2)=NH$

B-00245

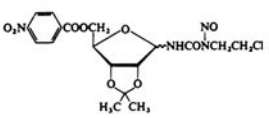
As B-00243 with

R = $-(CH_2)_4NHC(NH_2)=NH$

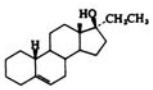
B-00246



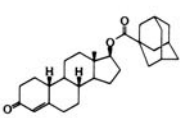
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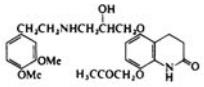
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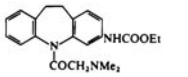
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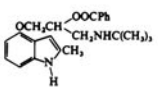
B-00250



B-00251



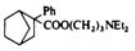
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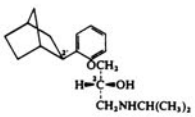
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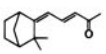
B-00254



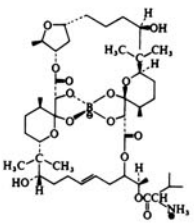
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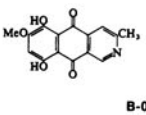
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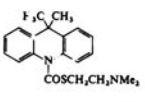
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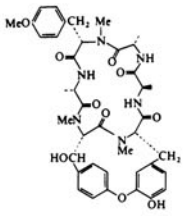
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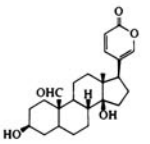
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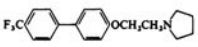
B-00260



B-00261



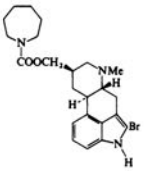
B-00262



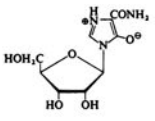
B-00263

X-Arg-Pro-Pro-Gly-Phe-Ser-Pro-Phe-Arg-OH. Bradykinin: X = H. Kallidin II: X = H-Lys

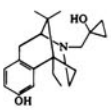
B-00265



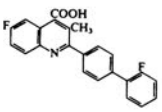
B-00266



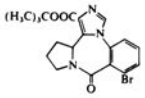
B-00267



B-00268



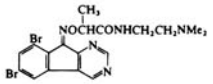
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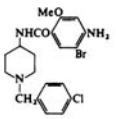
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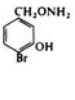
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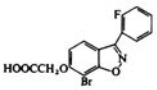
B-00272



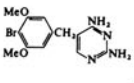
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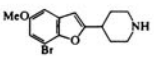
B-00275



B-00276



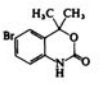
B-00277



B-00278



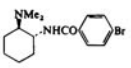
B-00279



B-00280

H_2C=CHCONHCH$_2$NHCOCH=CH-Br

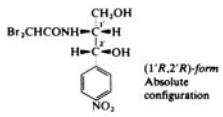
B-00281



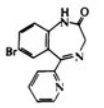
B-00282



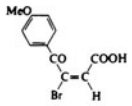
B-00283



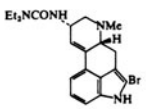
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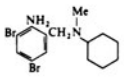
B-00285



B-00286



B-00288



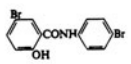
B-00289



B-00290



B-00291



B-00292



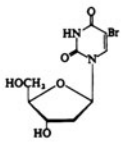
B-00293

$HBrClCCF_3$

B-00294



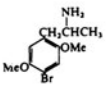
B-00295



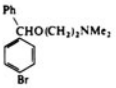
B-00296

$(H_3CCH_2)_2CBrCOOH$

B-00297



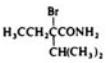
B-00298



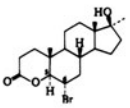
B-00299

$(H_3CCH_2)_2CBrCONHCONH_2$

B-00300



B-00301



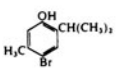
B-00303



B-00304



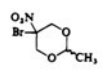
B-00305



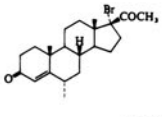
B-00306

$(H_3C)_2CHCHBrCONHCONH_2$

B-00307



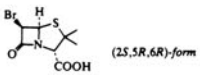
B-00308



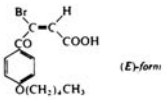
B-00309

$(HOCH_2)_2CBrNO_2$

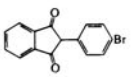
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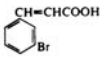
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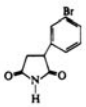
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B-00313



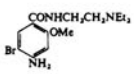
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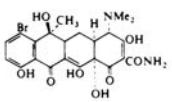
B-00315



B-00316



B-00317



B-00318

$F_3CCHFBr$

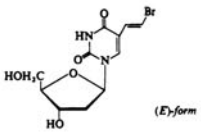
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$F_2HCCF_2CH_2Br$

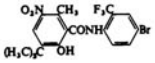
B-00320

$MeOCF_2CHBrF$

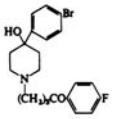
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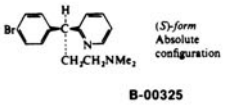
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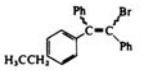
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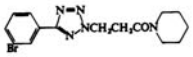
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B-00325



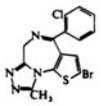
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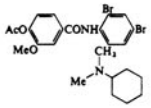
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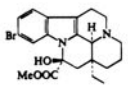
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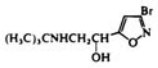
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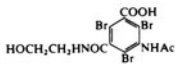
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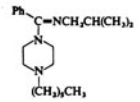
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B-00332



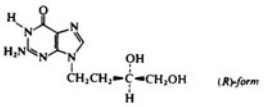
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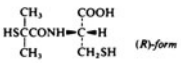
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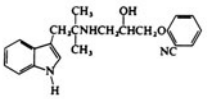
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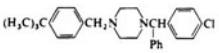
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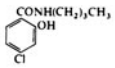
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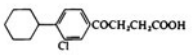
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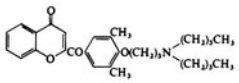
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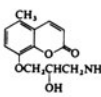
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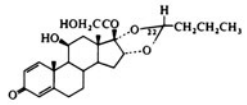
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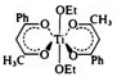
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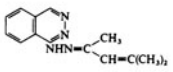
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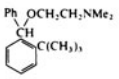
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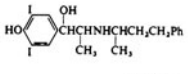
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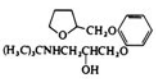
B-00346



B-00347



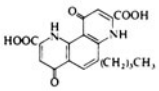
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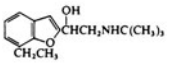
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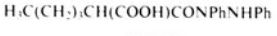
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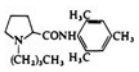
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B-00352



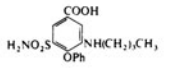
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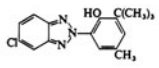
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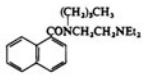
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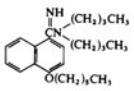
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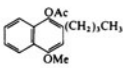
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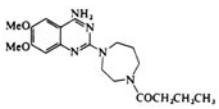
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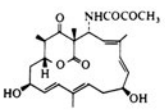
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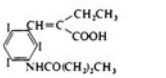
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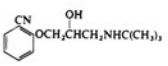
B-00361



B-00362



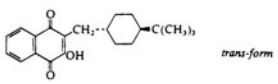
B-00363



B-00364

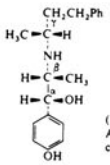


B-00365



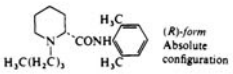
trans-form

B-00366



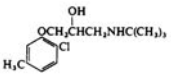
(+)-erythro-form
Absolute configuration

B-00367

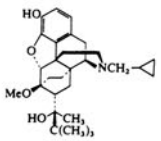


(R)-form
Absolute configuration

B-00368



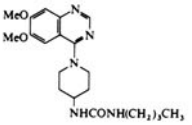
B-00369



B-00370



B-00371



B-00372

B-00373

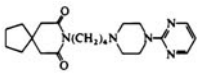
B-00374

B-00375

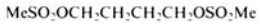
B-00376

PyroGlu-His-Trp-Ser-Tyr-D-Ser(But)-Leu-Arg-Pro-NHEt

B-00377



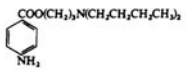
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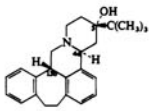
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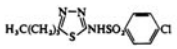
B-00380



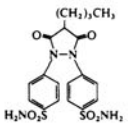
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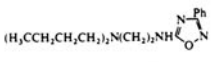
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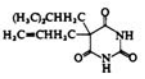
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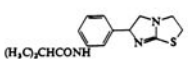
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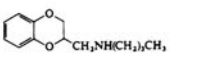
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B-00386



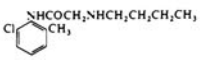
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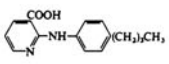
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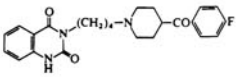
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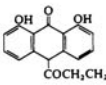
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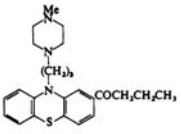
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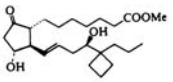
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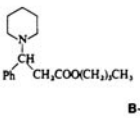
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B-00394



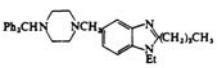
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B-00396



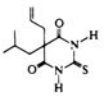
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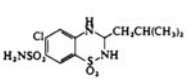
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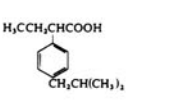
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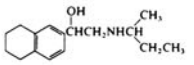
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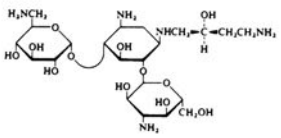
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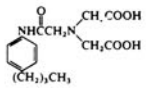
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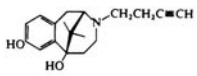
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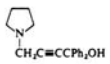
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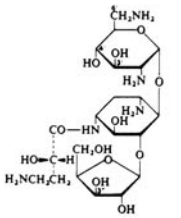
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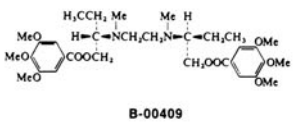
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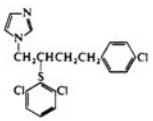
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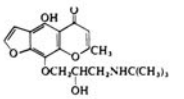
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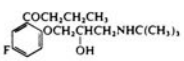
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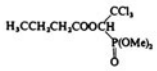
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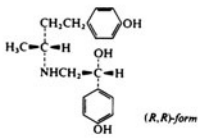
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B-00412

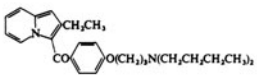


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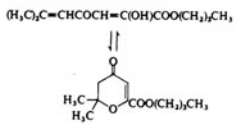


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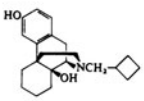
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B-00415



B-00416



B-00417

Relative configuration

B-00418

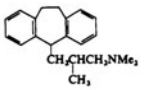
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B-00420

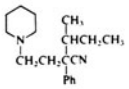
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B-00422

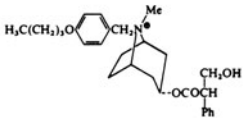
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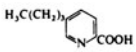
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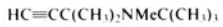
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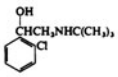
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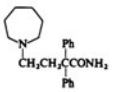
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B-00433



B-00426



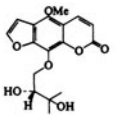
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B-00427



B-00428

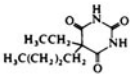


Absolute configuration

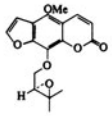
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B-00429

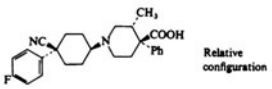


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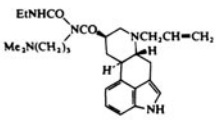


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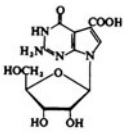
C



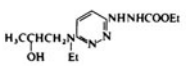
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C-00002



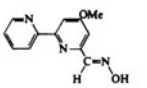
C-00003



C-00004

5-OxoPro-Gln-Asp-Tyr(SO_3H)-Thr-Gly-Trp-Met-Asp-Phe-NH_2

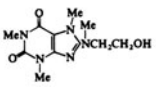
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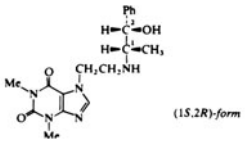
C-00006

CsCl

C-00007



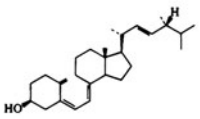
C-00008



C-00009



C-00010



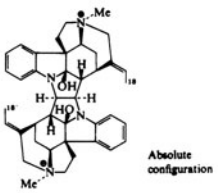
C-00012

Porcine: H-Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Ser-Ala-Tyr-Trp-Arg-Asn-Leu-Asn-Asn-Phe-His-Arg-Phe-Ser-Gly-Met-Gly-Phe-Gly-Pro-Glu-Thr-Pro-NH_2
Human: H-Cys-Gly-Asn-Leu-Ser-Thr-Cys-Met-Leu-Gly-Thr-Tyr-Thr-Gln-Asp-Phe-Asn-Lys-Phe-His-Thr-Phe-Pro-Gln-Thr-Ala-Ile-Gly-Val-Gly-Ala-Pro-NH_2

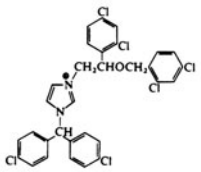
C-00014

$Ca(OH)_2$

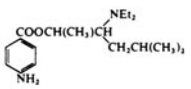
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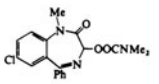
C-00016



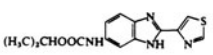
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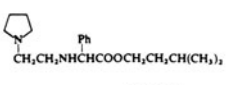
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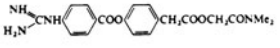
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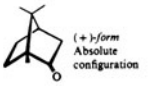
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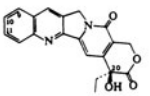
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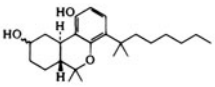
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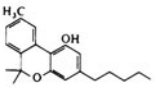
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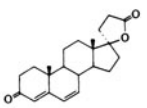
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C-00025



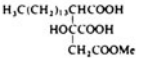
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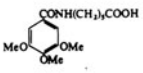
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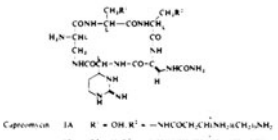
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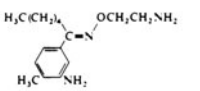
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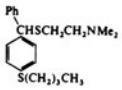
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C-00031



C-00032



C-00033



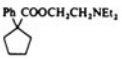
C-00034

$H_3CCH_2CH(CH_3)CH(CH_2CH_3)$-$CONHCONH_2$

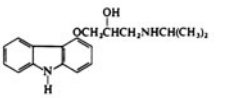
C-00035

MeNHCOONAcCONHMe

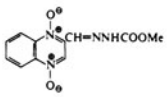
C-00036



C-00037



C-00038



C-00039

$Me_3N^{\oplus}CH_2CH_2COONH_2$

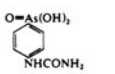
C-00040



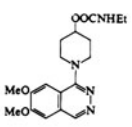
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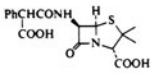
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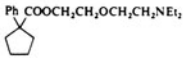
C-00043



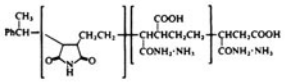
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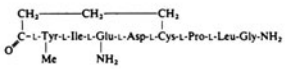
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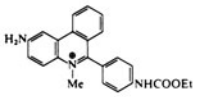
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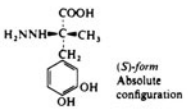
C-00047



C-00048



C-00049

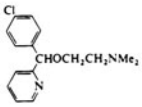


(*S*)-*form* Absolute configuration

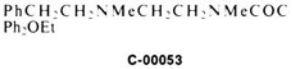
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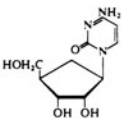
C-00051



C-00052



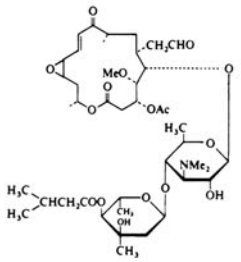
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C-00054



C-00055



C-00056



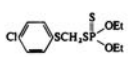
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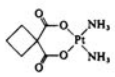
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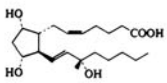
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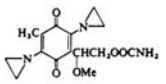
C-00060



C-00061



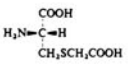
C-00062



C-00063



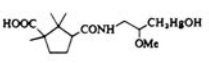
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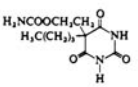
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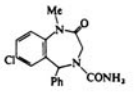
C-00066



C-00067



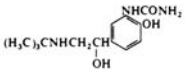
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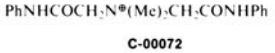
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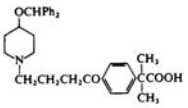
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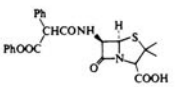
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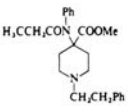
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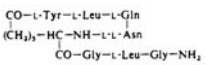
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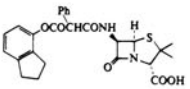
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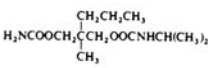
C-00075



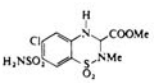
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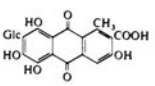
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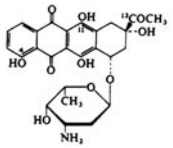
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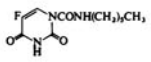
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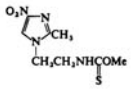
C-00080



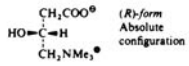
C-00081



C-00082



C-00083



(*R*)-*form* Absolute configuration

C-00084

C-00085

C-00086

C-00087

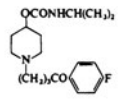
C-00088

C-00089

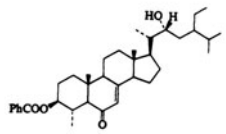
C-00090

C-00091

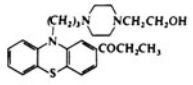
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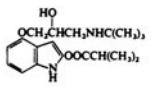
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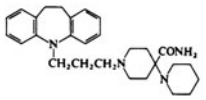
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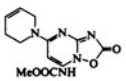
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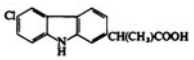
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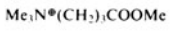
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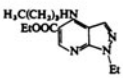
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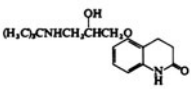
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C-00100



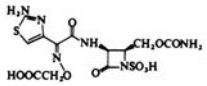
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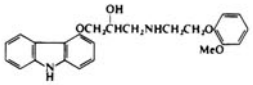
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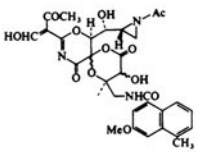
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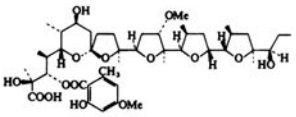
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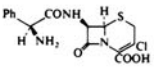
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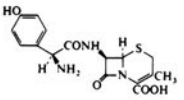
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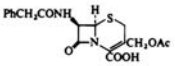
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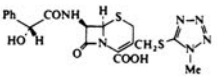
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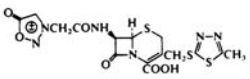
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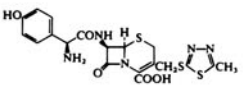
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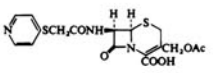
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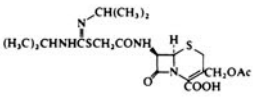
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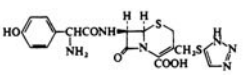
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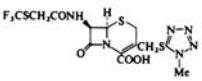
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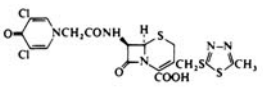
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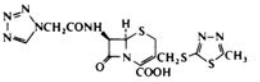
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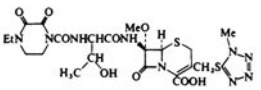
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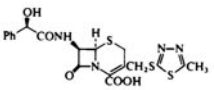
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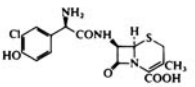
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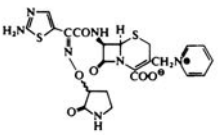
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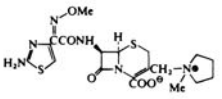
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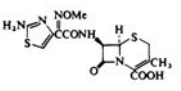
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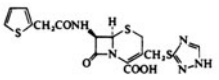
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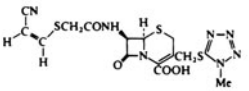
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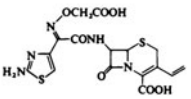
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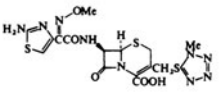
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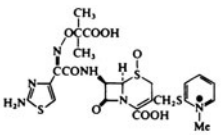
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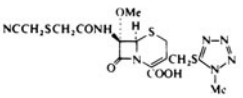
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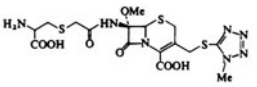
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C-00131



C-00132

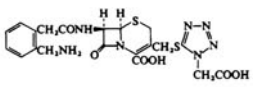


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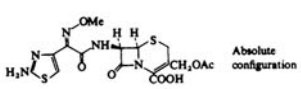
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C-00135

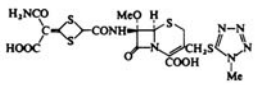
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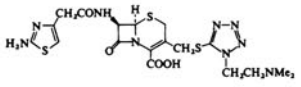
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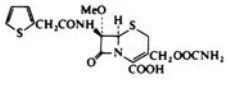
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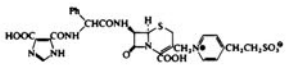
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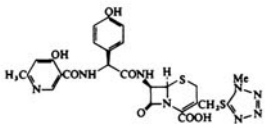
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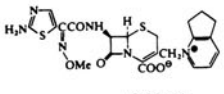
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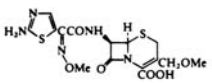
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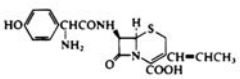
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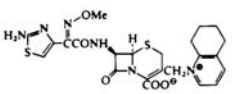
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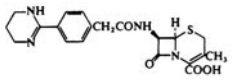
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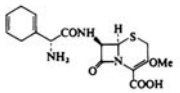
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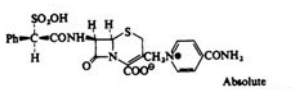
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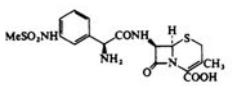
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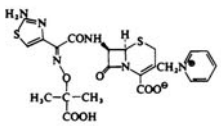
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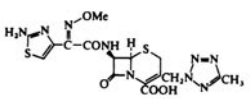
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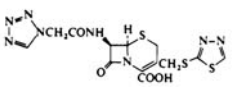
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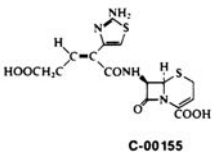
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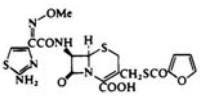
C-00153



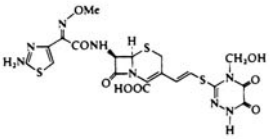
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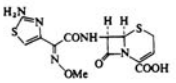
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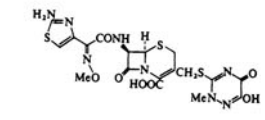
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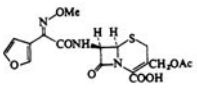
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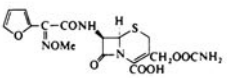
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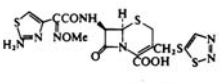
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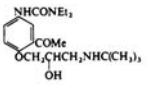
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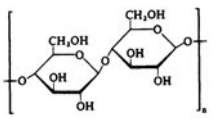
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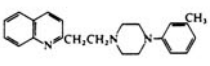
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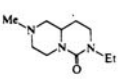
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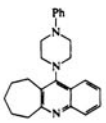
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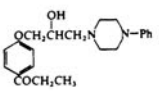
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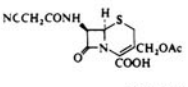
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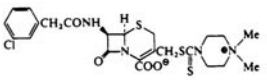
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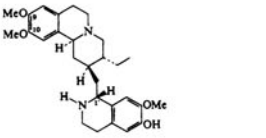
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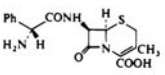
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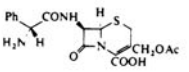
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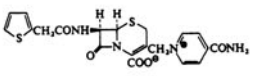
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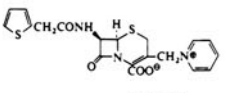
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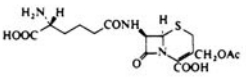
C-00174



C-00175



C-00176

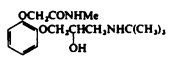


C-00177

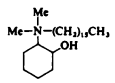
C-00178

C-00179

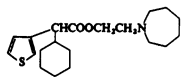
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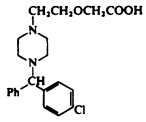
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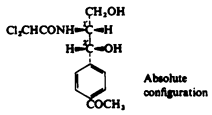
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C-00183

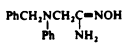


C-00184

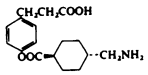


Absolute configuration

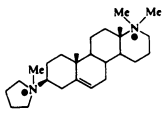
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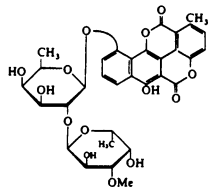
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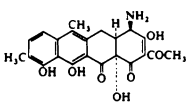
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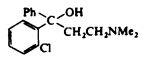
C-00188



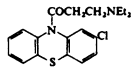
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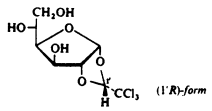
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C-00191

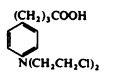


C-00192

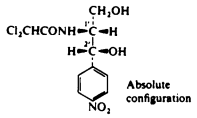


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C-00193

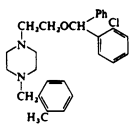


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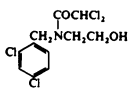


Absolute configuration

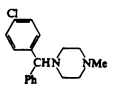
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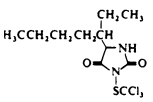
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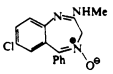
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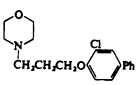
C-00198



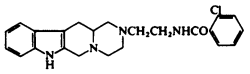
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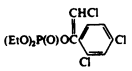
C-00200



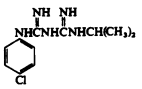
C-00201



C-00202



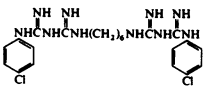
C-00203



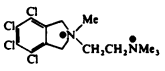
C-00204

$Cl_3CCH(OH)OCH(CH_3)CH_2C(OH)(CH_3)_2$

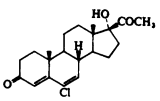
C-00205



C-00206



C-00207



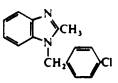
C-00208

$ClHgCH_2CH(OMe)CH_2NHCONH_2$

C-00209



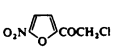
C-00210



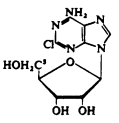
C-00211

$ClCH_2CONH_2$

C-00212



C-00213



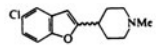
C-00214



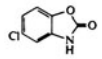
C-00215



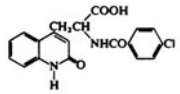
C-00216



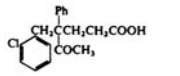
C-00217



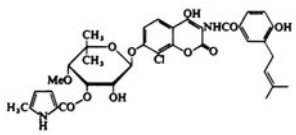
C-00218



C-00219



C-00220



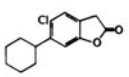
C-00221

$ClCH_2CH_2NHCONHCH_2CH_2SSCH_2CH_2NHCONHCH_2CH_2Cl$

C-00222



C-00223

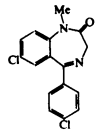


C-00224

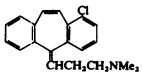
(*S*)-*form* Absolute configuration

C-00225

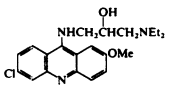
C-00226



C-00227



C-00228



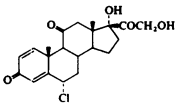
C-00229

F_2CHOCF_2CHFCl

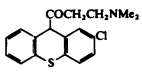
C-00230

$F_2CHOCHClCF_3$

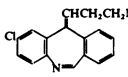
C-00231



C-00232



C-00233



C-00234

H_3CCH_2Cl

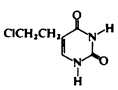
C-00236

$HOCH_2CH_2NHCON(NO)CH_2CH_2Cl$

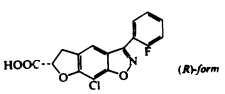
C-00237



C-00238



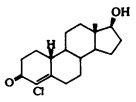
C-00239



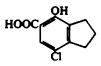
C-00240

$CHCl_3$

C-00241



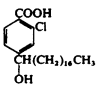
C-00242



C-00243



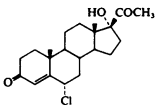
C-00244



C-00246



C-00247



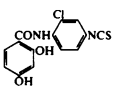
C-00248



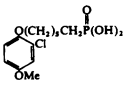
C-00251



C-00252



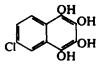
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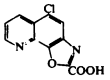
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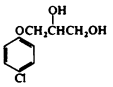
C-00255



C-00257



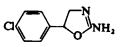
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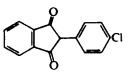
C-00261



C-00262



C-00263



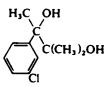
C-00264

PhHgCl

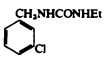
C-00265



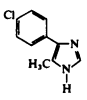
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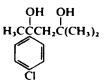
C-00267



C-00268



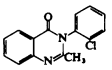
C-00269



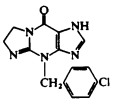
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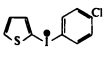
C-00271



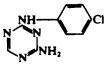
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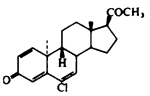
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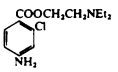
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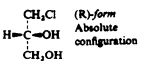
C-00275



C-00276



C-00277



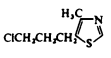
C-00278

$ClCH_2CH_2COOH$

C-00279

$PhCH_2CH(CH_3)NHCH_2CH_2CH_2Cl$

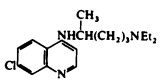
C-00280



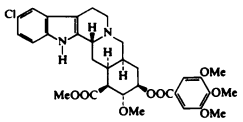
C-00281

C-00282

C-00283



C-00284



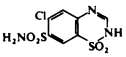
C-00285



C-00286



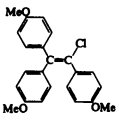
C-00287



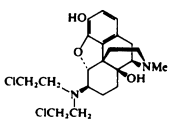
C-00288



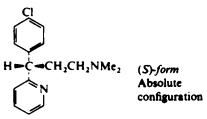
C-00289



C-00290

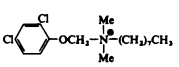


C-00291

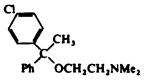


(*S*)-*form*
Absolute configuration

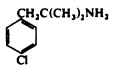
C-00292



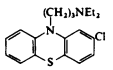
C-00293



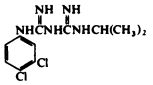
C-00294



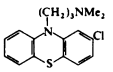
C-00295



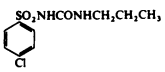
C-00296



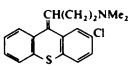
C-00297



C-00298



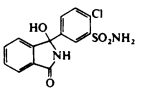
C-00299



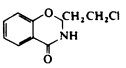
C-00300



C-00301



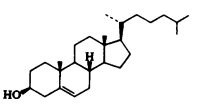
C-00302



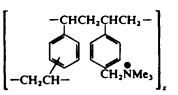
C-00303

Lys(Ala,Gly,Pro,Ser)Arg-Val(Ile,Met,Ser)-Lys-Asn(Asx,Glx,His,Leu_2,Pro,Ser_2)Arg-Ile(Asp,Ser)Arg-Asp(Gly,Met_2,Trp&&$TyrSO_3H$)Asp-$PheNH_2$

C-00305



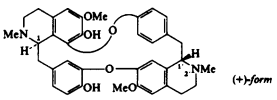
C-00306



C-00307

$Me_3N^{\oplus}CH_2CH_2OH$

C-00308



(+)-*form*

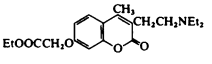
C-00309

$CrCl_3$

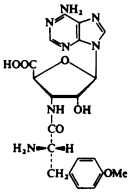
C-00310

$CrPO_4$

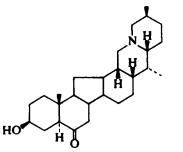
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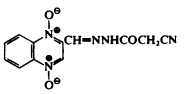
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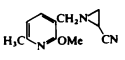
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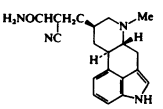
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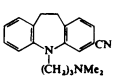
C-00317



C-00318



C-00319



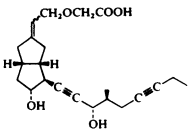
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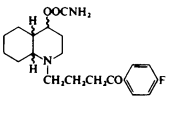
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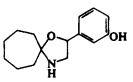
C-00322



C-00323



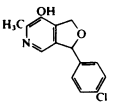
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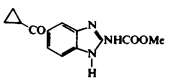
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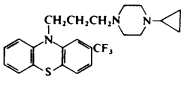
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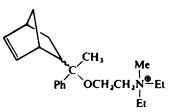
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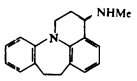
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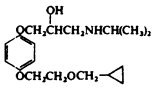
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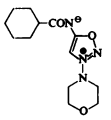
C-00330



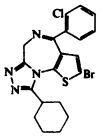
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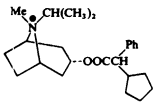
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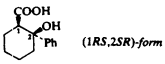
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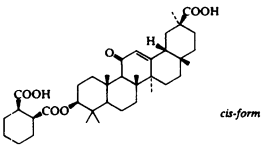
C-00334



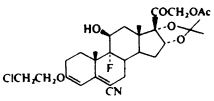
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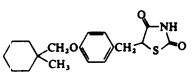
C-00336



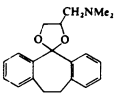
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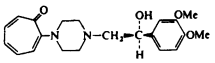
C-00338



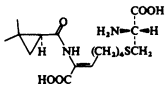
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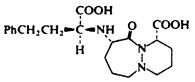
C-00340



C-00341

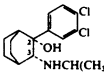


C-00342



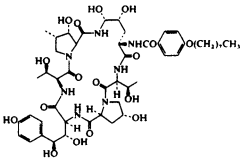
Absolute configuration

C-00343

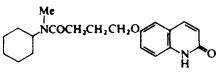


(2*R*,3*R*)-*form*

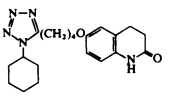
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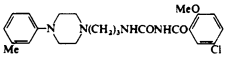
C-00345



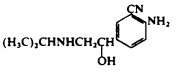
C-00346



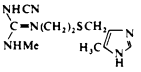
C-00347



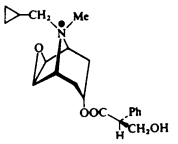
C-00348



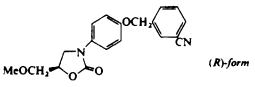
C-00349



C-00350



C-00351

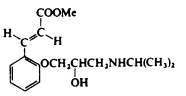


(*R*)-*form*

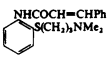
C-00352



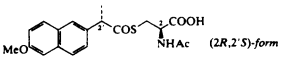
C-00353



C-00354

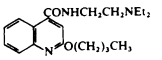


C-00355

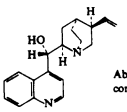


(2*R*,2'*S*)-*form*

C-00356

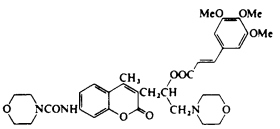


C-00357



Absolute configuration

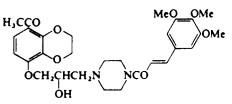
C-00358



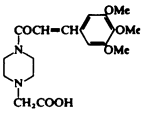
C-00359



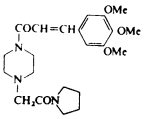
C-00360



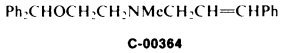
C-00361



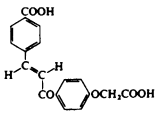
C-00362



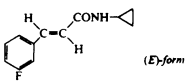
C-00363



C-00364

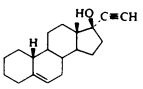


C-00365

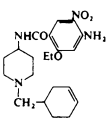


(*E*)-*form*

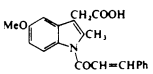
C-00366



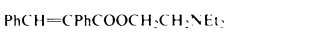
C-00367



C-00368



C-00369

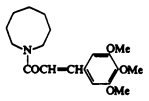


C-00370

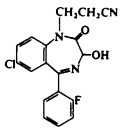
C-00371

C-00372

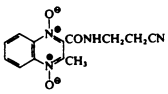
C-00373



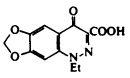
C-00374



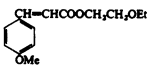
C-00375



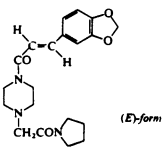
C-00376



C-00377

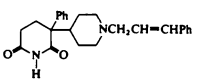


C-00378

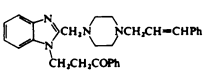


(*E*)-form

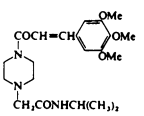
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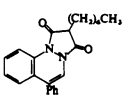
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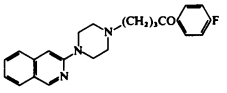
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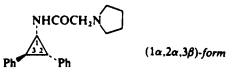
C-00382



C-00383

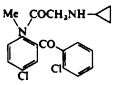


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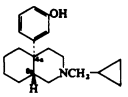


(1α,2α,3β)-form

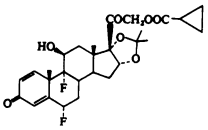
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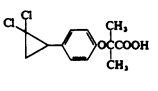
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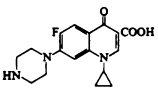
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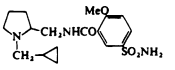
C-00388



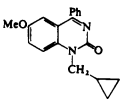
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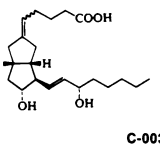
C-00390



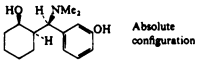
C-00391



C-00392

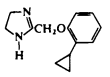


C-00393

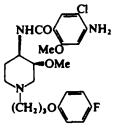


Absolute configuration

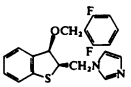
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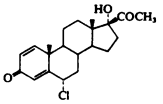
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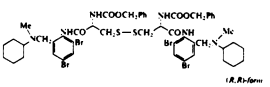
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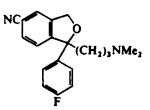
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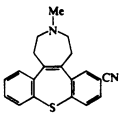
C-00398



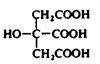
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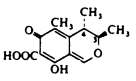
C-00400



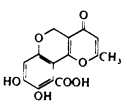
C-00401



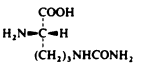
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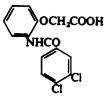
C-00403



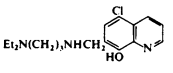
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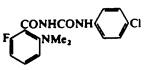
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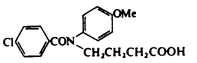
C-00406



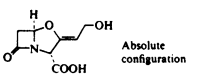
C-00407



C-00408

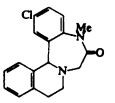


C-00409

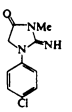


Absolute configuration

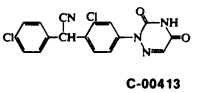
C-00410



C-00411



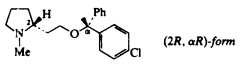
C-00412



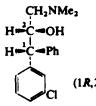
C-00413

C-00414

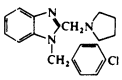
C-00415



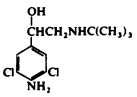
C-00416



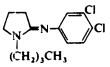
C-00417



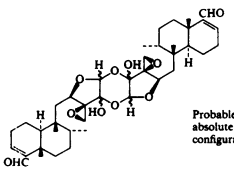
C-00418



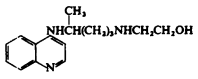
C-00419



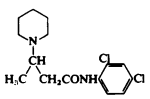
C-00420



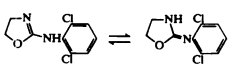
C-00421



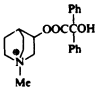
C-00422



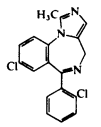
C-00423



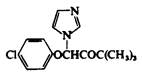
C-00424



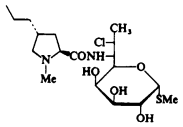
C-00425



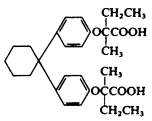
C-00426



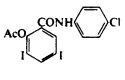
C-00427



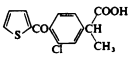
C-00428



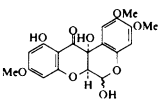
C-00429



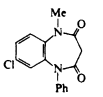
C-00430



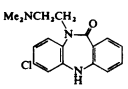
C-00431



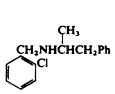
C-00432



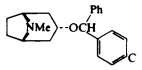
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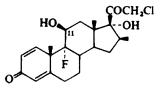
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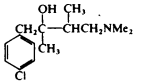
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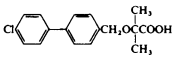
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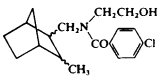
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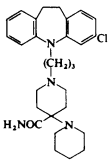
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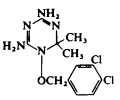
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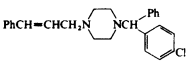
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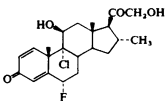
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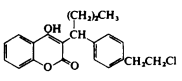
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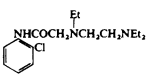
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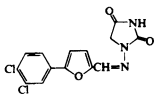
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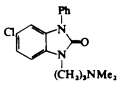
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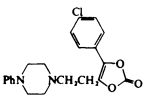
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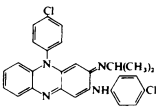
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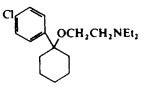
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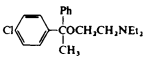
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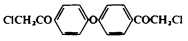
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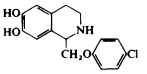
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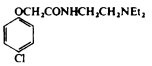
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C-00453



C-00454

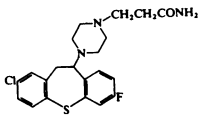


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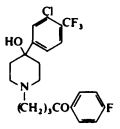
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C-00457

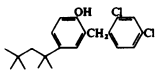
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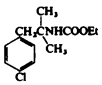
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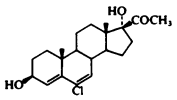
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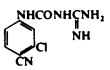
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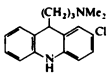
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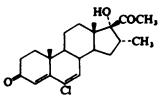
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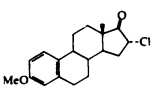
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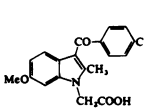
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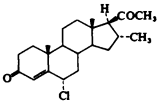
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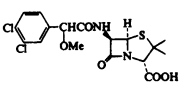
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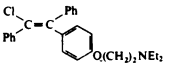
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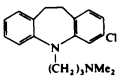
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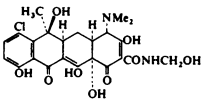
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C-00471



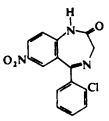
C-00472



C-00473



C-00474



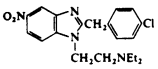
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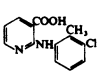
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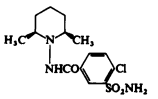
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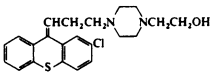
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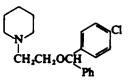
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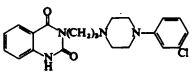
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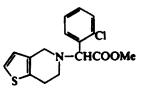
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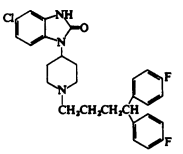
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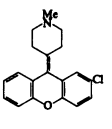
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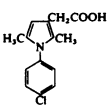
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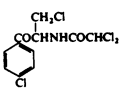
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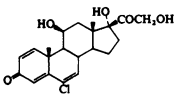
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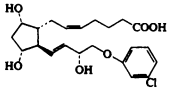
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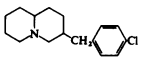
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C-00489



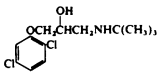
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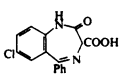
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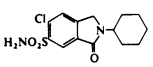
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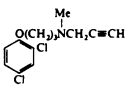
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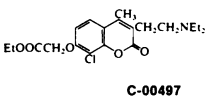
C-00494



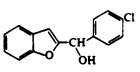
C-00495



C-00496



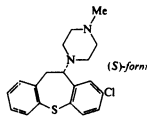
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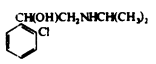
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C-00499

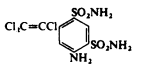
C-00500



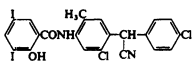
C-00501



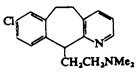
C-00502



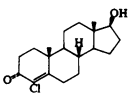
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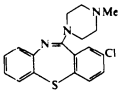
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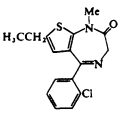
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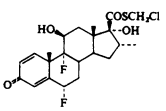
C-00506



C-00507



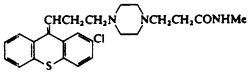
C-00508



C-00509



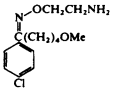
C-00510



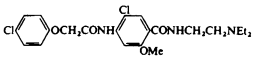
C-00511



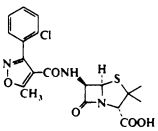
C-00512



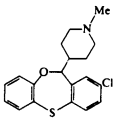
C-00513



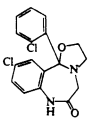
C-00514



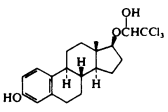
C-00515



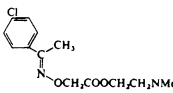
C-00516



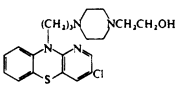
C-00517



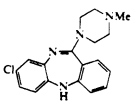
C-00518



C-00519



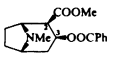
C-00520



C-00521

CoCl2

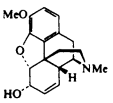
C-00522



C-00523

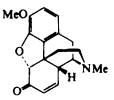
H-D-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Lys-^{18}LysNH2

C-00524



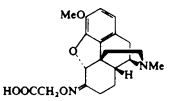
Absolute configuration

C-00525

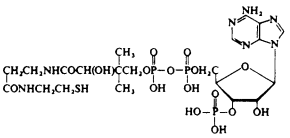


Absolute configuration

C-00526

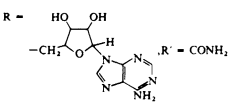


C-00527

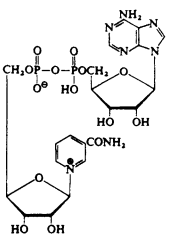


C-00528

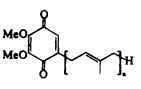
As V-00059 with

R = 

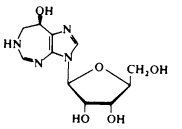
C-00529



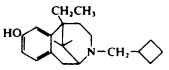
C-00530



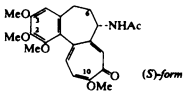
C-00531



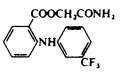
C-00532



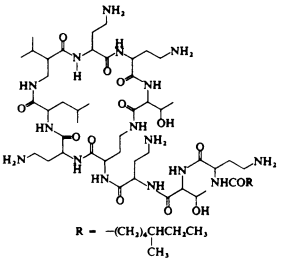
C-00533



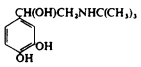
C-00534



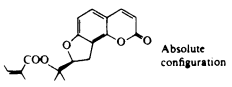
C-00535



C-00536

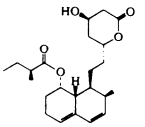


C-00537

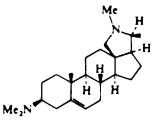


Absolute configuration

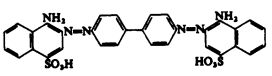
C-00538



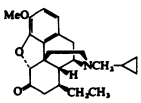
C-00539



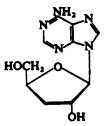
C-00540



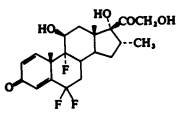
C-00541



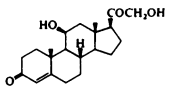
C-00542



C-00543



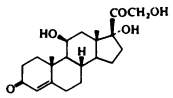
C-00544



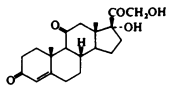
C-00546

H-[1]Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asn-Gly-Ala-Glu-Asp-Glu-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-[10]PheOH

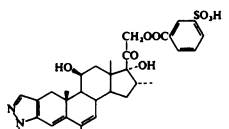
C-00547



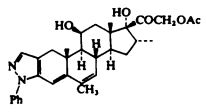
C-00548



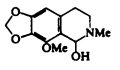
C-00549



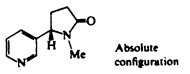
C-00550



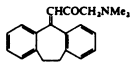
C-00551



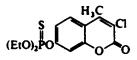
C-00552



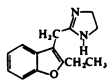
C-00553



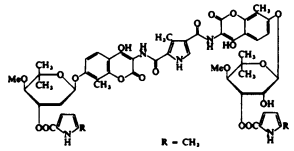
C-00554



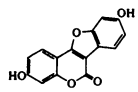
C-00555



C-00556



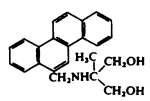
C-00557



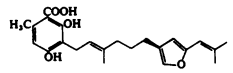
C-00558

$HN{=}C(NH_2)NMeCH_2CH_2OP(O)(OH)_2$

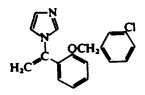
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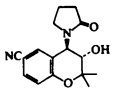
C-00560



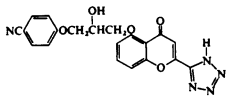
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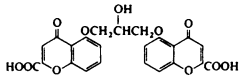
C-00562



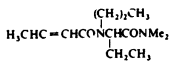
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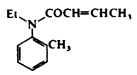
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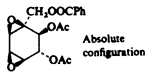
C-00565



C-00566



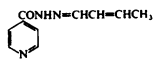
C-00567



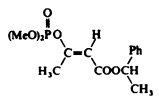
C-00568

$H_2CCH{=}CHCONEtCH(CH_2CH_3)$-$CONMe_2$

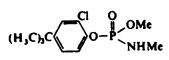
C-00569



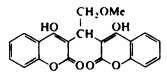
C-00570



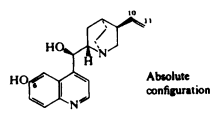
C-00571



C-00572



C-00573



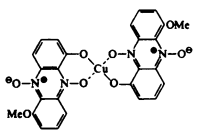
C-00574

$Cu(CH_3COO)_2$

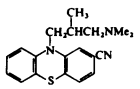
C-00575

$CuSO_4$

C-00576



C-00577



C-00578

$HN{=}C{=}NH$

C-00579

$H_2NNHCOCH_2CN$

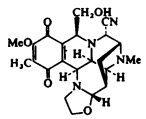
C-00580

$H_2CCH_2C(CH_3)_2NHC(NH_2){=}NCN$

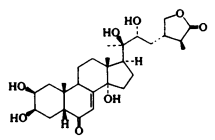
C-00581

$Ph_2C{=}C(CN)COOH$

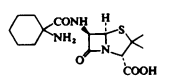
C-00582



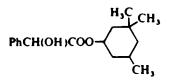
C-00583



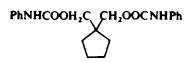
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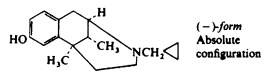
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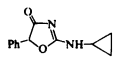
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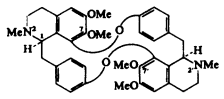
C-00587



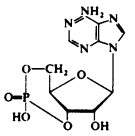
C-00588



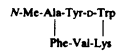
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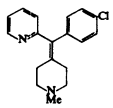
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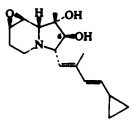
C-00591



C-00592



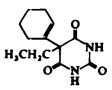
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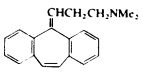
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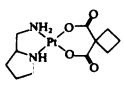
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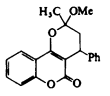
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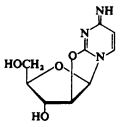
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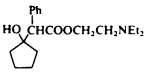
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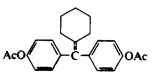
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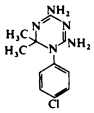
C-00600



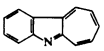
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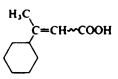
C-00602



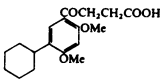
C-00603



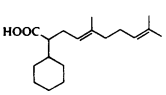
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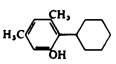
C-00605



C-00606



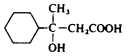
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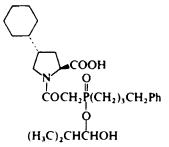
C-00608



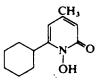
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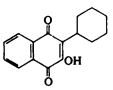
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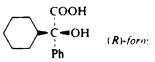
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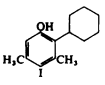
C-00612



C-00613



C-00614



C-00615



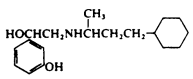
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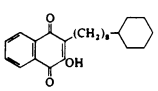
C-00617



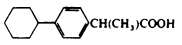
C-00618



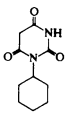
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C-00620



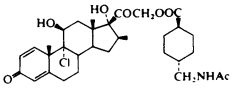
C-00621



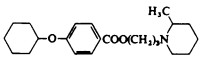
C-00622



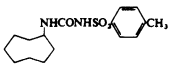
C-00623



C-00624



C-00625



C-00626



C-00627

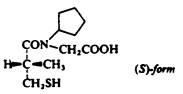
C-00628

C-00629

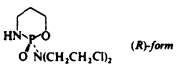
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C-00631

C-00632


(S)-form

C-00633


(R)-form

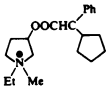
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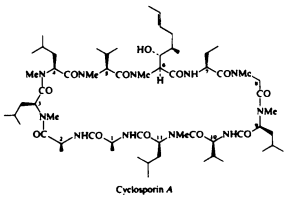
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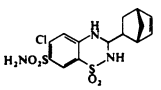
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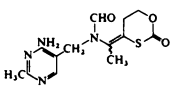
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Cyclosporin A

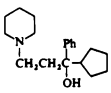
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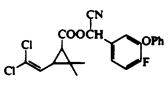
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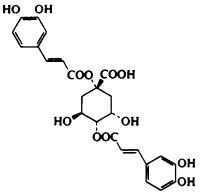
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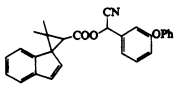
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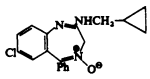
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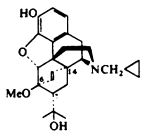
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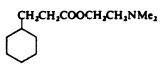
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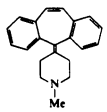
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C-00646



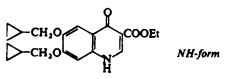
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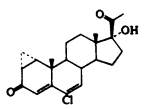
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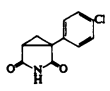
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NH-form

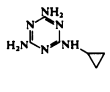
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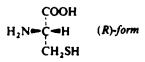
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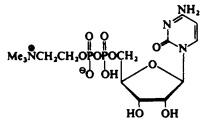
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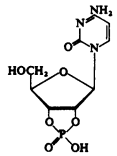
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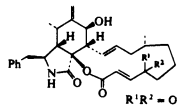
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C-00655



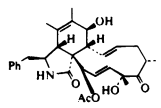
C-00656


$R^1R^2 = O$

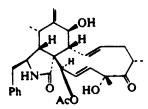
C-00657

As C-00657 with
$R_1 = H$, $R_2 = OH$

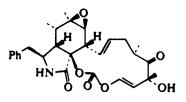
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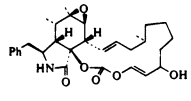
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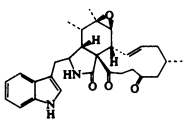
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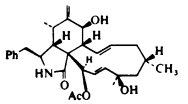
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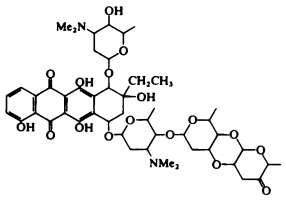
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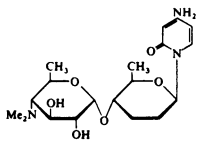
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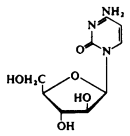
C-00664



C-00665

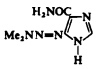


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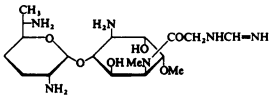


C-00667

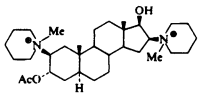
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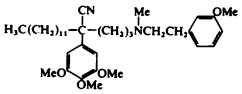
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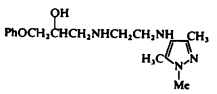
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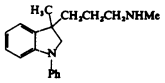
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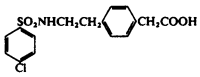
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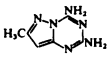
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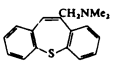
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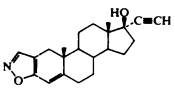
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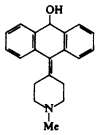
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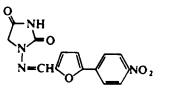
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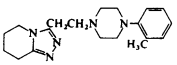
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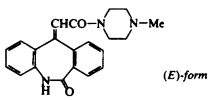
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D-00012

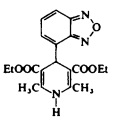


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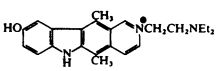


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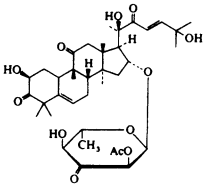
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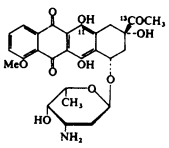
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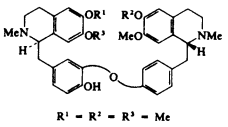
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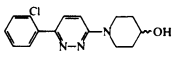
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D-00019



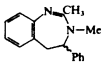
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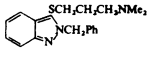
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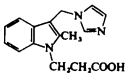
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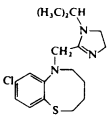
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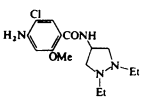
D-00024



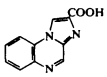
D-00025



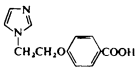
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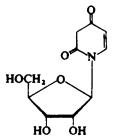
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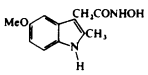
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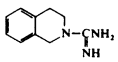
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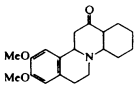
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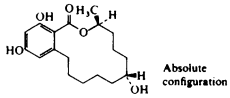
D-00032



D-00033



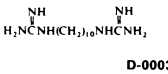
D-00034



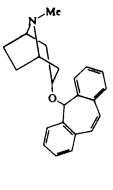
Absolute configuration

D-00035

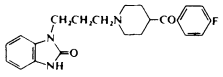
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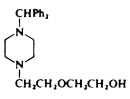
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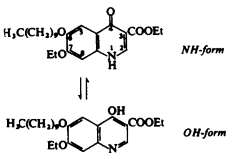
D-00038



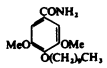
D-00039



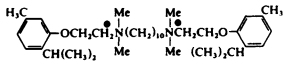
D-00040



D-00041



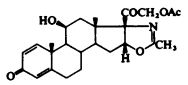
D-00042



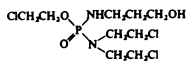
D-00043

$H_2N(CH_2)_5N(OH)COCH_2CH_2CONH-(CH_2)_5N(OH)COCH_2CH_2CONH-(CH_2)_5N(OH)Ac$

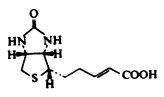
D-00044



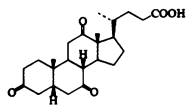
D-00046



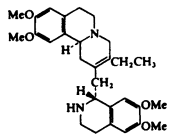
D-00047



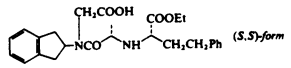
D-00048



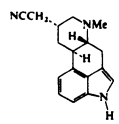
D-00049



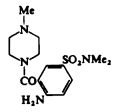
D-00050



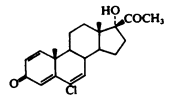
D-00051



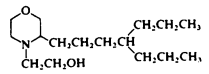
D-00052



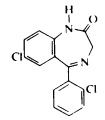
D-00053



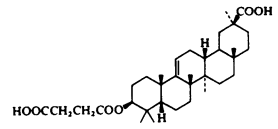
D-00054



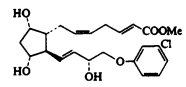
D-00055



D-00056



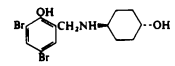
D-00057



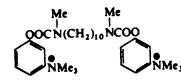
D-00058

$Me_2NCH_2CH_2OP(O)(OH)_2$

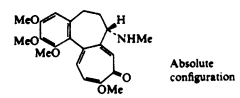
D-00059



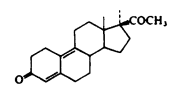
D-00060



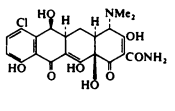
D-00061



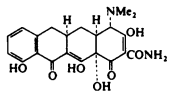
D-00062



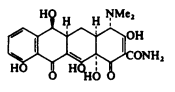
D-00063



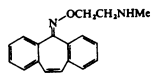
D-00064



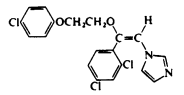
D-00065



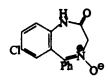
D-00066



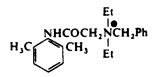
D-00067



D-00068



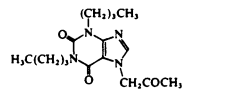
D-00069



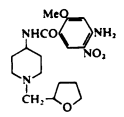
D-00070

$H_3CCH_2CH(CH_2CH_3)-CH_2OCPh_2COOCH_2CH_2NMe_2$

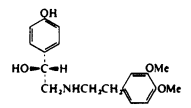
D-00071



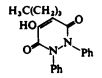
D-00072



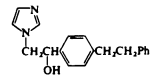
D-00073



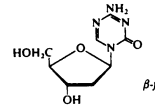
D-00074



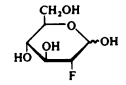
D-00075



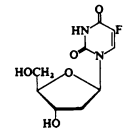
D-00076



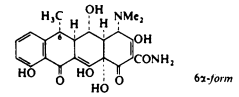
D-00077



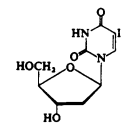
D-00078



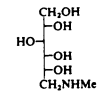
D-00079



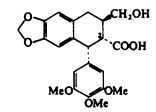
D-00080



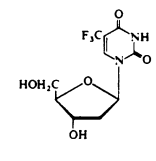
D-00081



D-00082



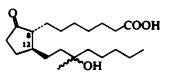
D-00083



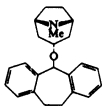
D-00084

H-Tyr-Pro-Phe-D-Pro-Gly-OH

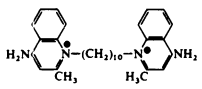
D-00085



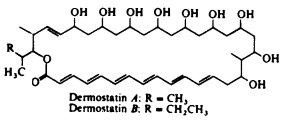
D-00086



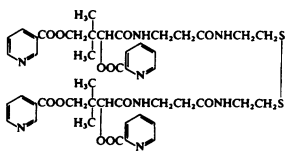
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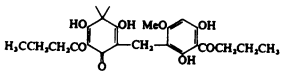
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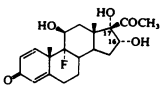
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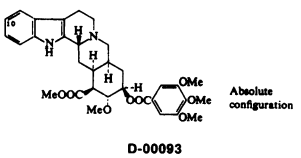
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D-00091



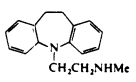
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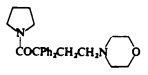
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HOOC(CH2)3CO-L-Ala-L-Tyr-Gly-L-Trp-L-Leu-L-Asp-L-Phe-NH2

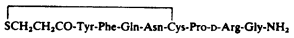
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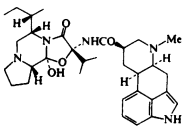
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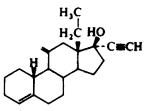
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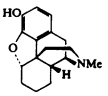
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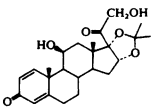
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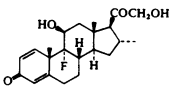
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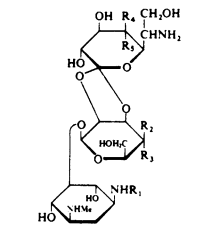
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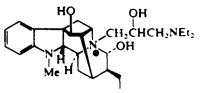
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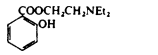
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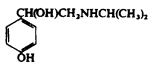
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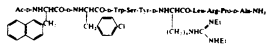
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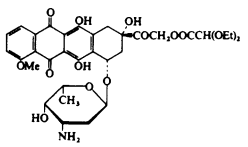
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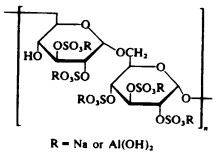
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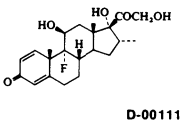
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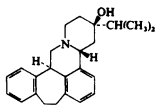
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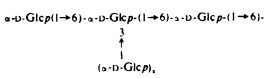
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D-00111



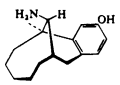
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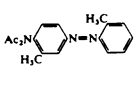
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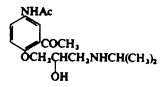
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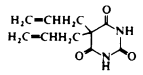
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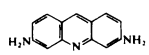
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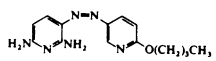
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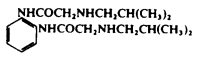
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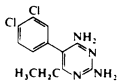
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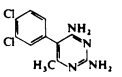
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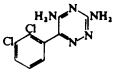
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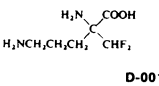
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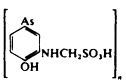
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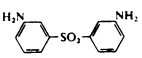
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D-00126



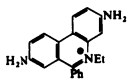
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D-00128

D-00130

D-00131



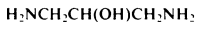
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D-00133



D-00134



D-00135



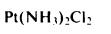
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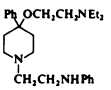
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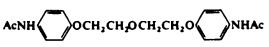
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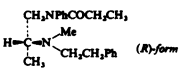
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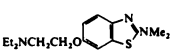
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D-00141



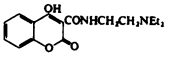
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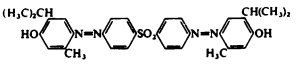
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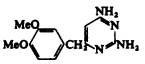
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D-00145



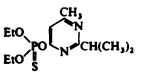
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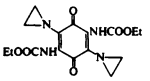
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D-00148



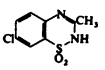
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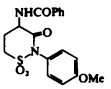
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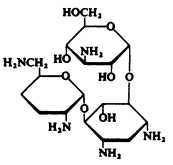
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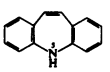
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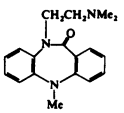
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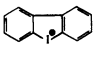
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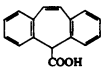
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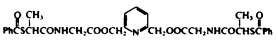
D-00156



D-00157



D-00158



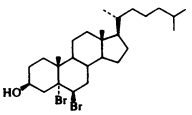
D-00159



D-00160

PhCO-O-O-OCPh

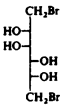
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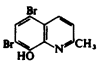
D-00162



D-00163



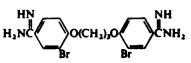
D-00164



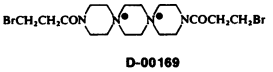
D-00166



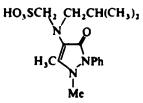
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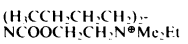
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D-00169



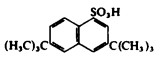
D-00170



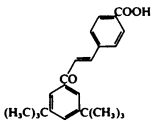
D-00171

$H_3C(CH_2)_3OCH_2CH(OH)CH_2O-(CH_2)_3CH_3$

D-00172



D-00173



D-00174

D-00175

D-00176

D-00177

D-00178

D-00179

D-00180

ClN=C(NH$_2$)N=NC(NH$_2$)=NCl

D-00181

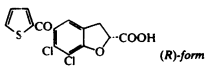
D-00182

Cl_3CHCF_2OMe

D-00183

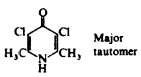
$MeSCF_2CHCl_2$

D-00184



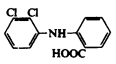
(*R*)-form

D-00185

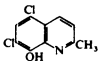


Major tautomer

D-00187



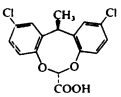
D-00188



D-00189



D-00191



trans-form

D-00192

$MeN(CH_2CH_2Cl)_2$

D-00193

$Cl_2C[P(O)(OH)_2]_2$

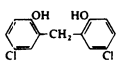
D-00194



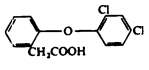
D-00195



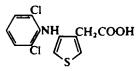
D-00197



D-00198



D-00199



D-00200

$ClCF_2CF_2Cl$

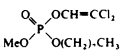
D-00202



D-00203



D-00204



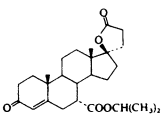
D-00205



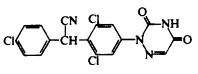
D-00206

$(MeO)_2P(O)OCH{=}CCl_2$

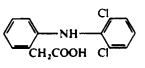
D-00207



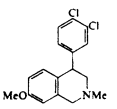
D-00208



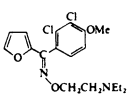
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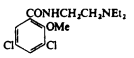
D-00210



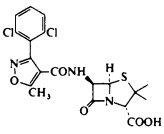
D-00211



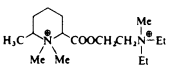
D-00212



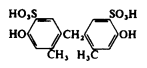
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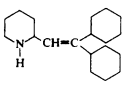
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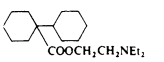
D-00215



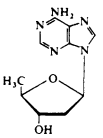
D-00216



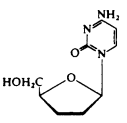
D-00217



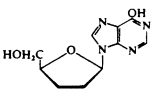
D-00218



D-00219



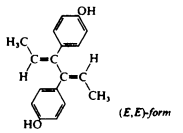
D-00220



D-00221

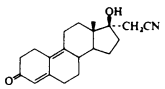


D-00222

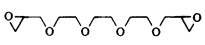


(*E,E*)-form

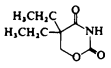
D-00223



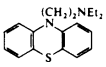
D-00224



D-00225



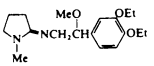
D-00226



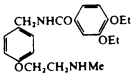
D-00227

$H_3CCH(OEt)_2$

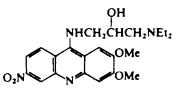
D-00228



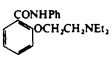
D-00229



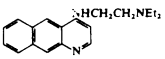
D-00230



D-00231



D-00232



D-00233

$Et_2NCH_2CH_2NHCH(Ph)COOH$

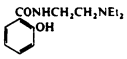
D-00234

$Ph_2NCOOCH_2CH_2NEt_2$

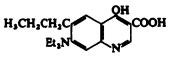
D-00235

$(PhNHCO)_2CHCH_2CH_2NEt_2$

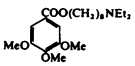
D-00236



D-00237



D-00238



D-00239

$PhCOCH(CH_3)NEt_2$

D-00240



D-00241

$(EtO)_2P(O)SCH_2CH_2NMe_2$

D-00242



D-00243

$Et_2NC(S)SH$

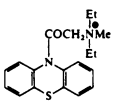
D-00244

$HN(CH_2CH_2NH_2)_2$

D-00245

EtOEt

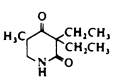
D-00246



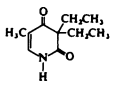
D-00247



D-00248



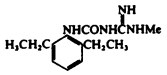
D-00249



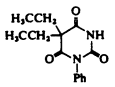
D-00250

$H_2C{=}CHCH_2C(CH_2CH_3)_2COOH$

D-00251



D-00252



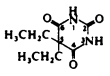
D-00253



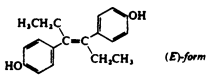
D-00254



D-00255

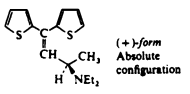


D-00256



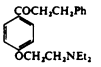
(*E*)-form

D-00257

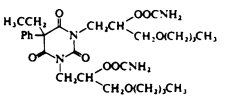


(+)-form
Absolute configuration

D-00258



D-00259



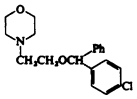
D-00260

$Ph_2C(OH)COOCH_2C(CH_3)_2NMe_2$

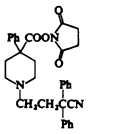
D-00261



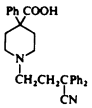
D-00262



D-00263



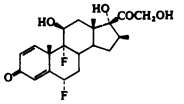
D-00264



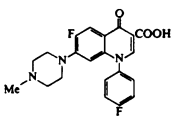
D-00265

$Ph_2CHOCH_2CH_2NMeCH(CH_3)CH(OH)$-Ph

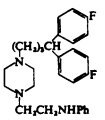
D-00266



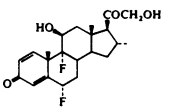
D-00267



D-00268



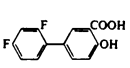
D-00269



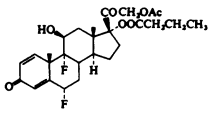
D-00270



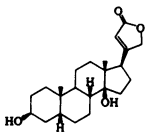
D-00271



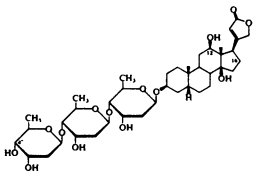
D-00272



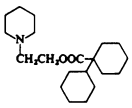
D-00273



D-00274



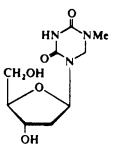
D-00275



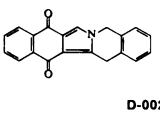
D-00276



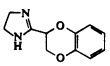
D-00277



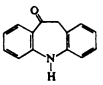
D-00278



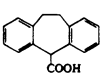
D-00279



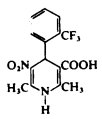
D-00280



D-00281



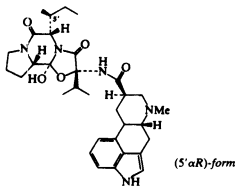
D-00282



D-00283



D-00284



(5′αR)-form

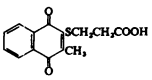
D-00285



D-00286



D-00287



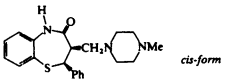
D-00288



D-00289

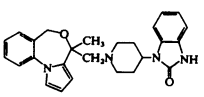


D-00290



cis-form

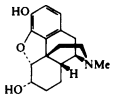
D-00291



D-00292

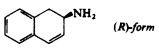


D-00293



(−)-form
Absolute configuration

D-00294

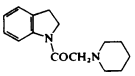


(R)-form

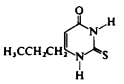
D-00295



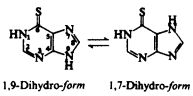
D-00296



D-00297



D-00298



1,9-Dihydro-form 1,7-Dihydro-form

D-00299



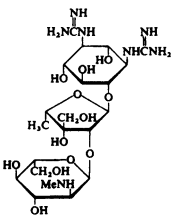
D-00300



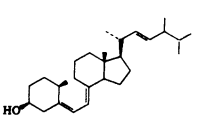
D-00301



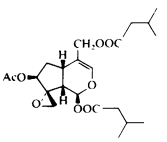
D-00302



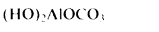
D-00303



D-00304



D-00305



D-00306



D-00307



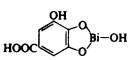
D-00308



D-00312



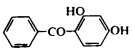
D-00313



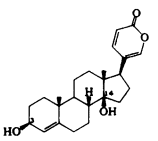
D-00314



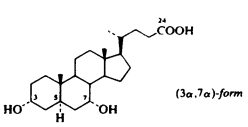
D-00315



D-00318

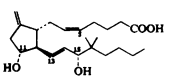


D-00319

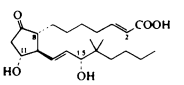


(3α,7α)-form

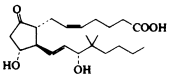
D-00320



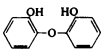
D-00322



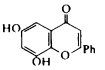
D-00323



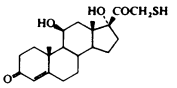
D-00324



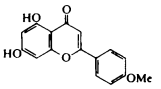
D-00325



D-00326



D-00328



D-00329

D-00331

D-00332

(5Z,11R,13E,15R)-form

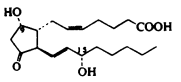
D-00334

D-00335

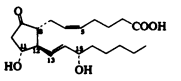
D-00336

(S)-form

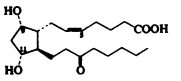
D-00337



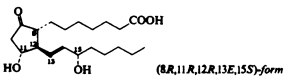
D-00338



D-00339

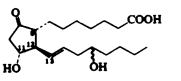


D-00340

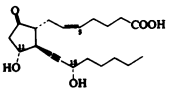


(8*R*,11*R*,12*R*,13*E*,15*S*)-*form*

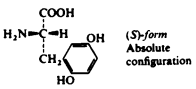
D-00341



D-00342

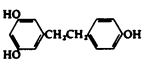


D-00343

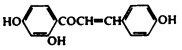


(*S*)-*form* Absolute configuration

D-00344



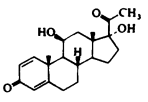
D-00345



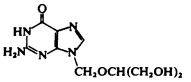
D-00346



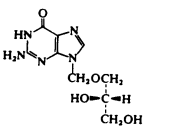
D-00347



D-00348



D-00350



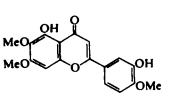
D-00351

$HOCH_2CH(OH)CH_2NHC(CH_3)_2NHCONH_2$

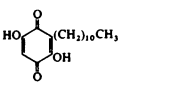
D-00352



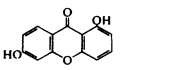
D-00353



D-00354



D-00356



D-00357



D-00358

I_2CHSO_3H

D-00359



D-00360

$H_3C(CH_2)\text{-}CH(I)CH(I)(CH_2)\text{-}COOH$

D-00361



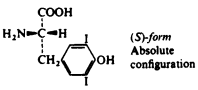
D-00362



D-00363



D-00364



(*S*)-*form* Absolute configuration

D-00365

$Ph_2CHCH_2CH_2N[CH(CH_3)_2]_2$

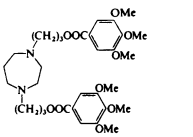
D-00366

$[(H_3C)_2CHO]_2P(O)F$

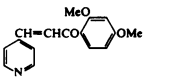
D-00368



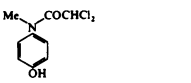
D-00369



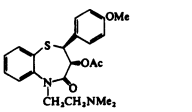
D-00370



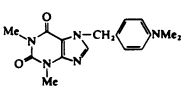
D-00371



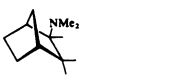
D-00372



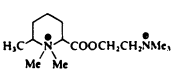
D-00373



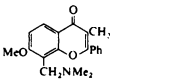
D-00374



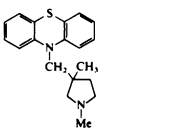
D-00375



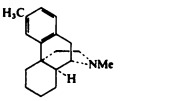
D-00376



D-00377



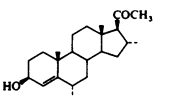
D-00378



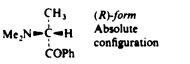
D-00379

$EtOCPh_2COOCH_2CH_2NMe_2$

D-00380

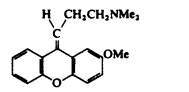


D-00381

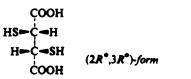


(*R*)-*form* Absolute configuration

D-00382

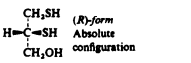


D-00383



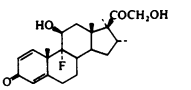
(2*R**,3*R**)-*form*

D-00384



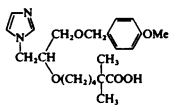
(*R*)-*form* Absolute configuration

D-00385

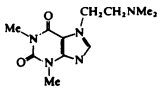


D-00386

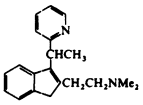
D-00387



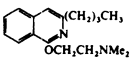
D-00388



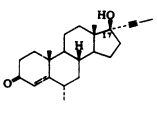
D-00389



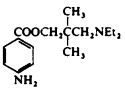
D-00391



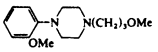
D-00392



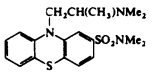
D-00393



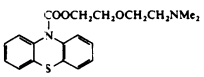
D-00394



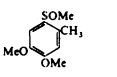
D-00395



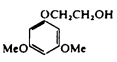
D-00396



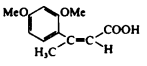
D-00397



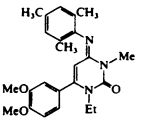
D-00398



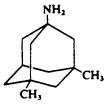
D-00399



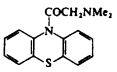
D-00400



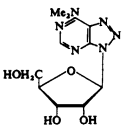
D-00401



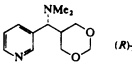
D-00402



D-00403

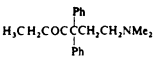


D-00404

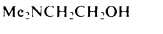


(*R*)-*form*

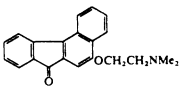
D-00406



D-00407



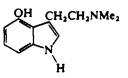
D-00408



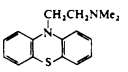
D-00409



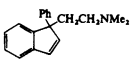
D-00410



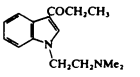
D-00411



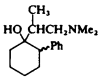
D-00412



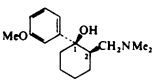
D-00413



D-00414



D-00415



D-00416



D-00417



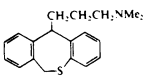
(1*R*,2*S*)-*form*

D-00418



(*S*)-*form*

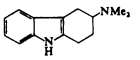
D-00419



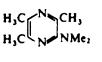
D-00420



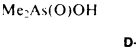
D-00421



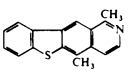
D-00422



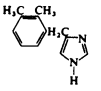
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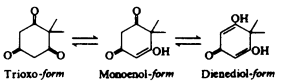
D-00424



D-00425

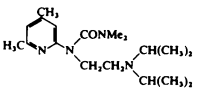


D-00426



Trioxo-*form* Monoenol-*form* Dienediol-*form*

D-00427



D-00428

D-00429

(*E*)-*form*

D-00430

D-00431

D-00432

D-00433

D-00435

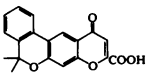
D-00436

D-00437

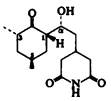
D-00438



D-00439



D-00440

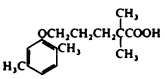


(1*S*,3*S*,5*S*,α*R*)-*form*
Absolute configuration

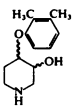
D-00441

$PhCH_2CH(CH_3)N(Me)NH_2$

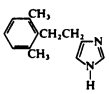
D-00442



D-00443



D-00444



D-00445



D-00446

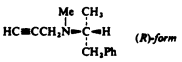


D-00447



(2*R*,6*R*)-*form*
Absolute configuration

D-00448

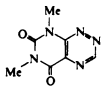


(*R*)-*form*

D-00449



D-00450



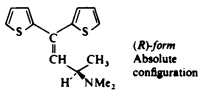
D-00452



D-00453

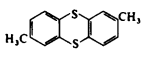
MeSOMe

D-00454

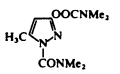


(*R*)-*form*
Absolute configuration

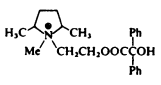
D-00455



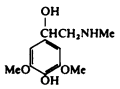
D-00456



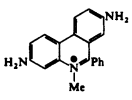
D-00457



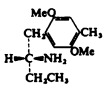
D-00458



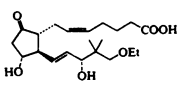
D-00459



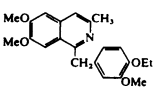
D-00460



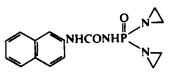
D-00461



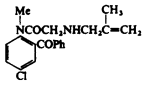
D-00462



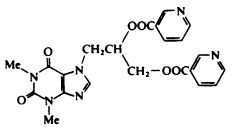
D-00463



D-00464



D-00465



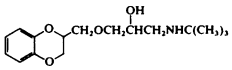
D-00466



D-00469



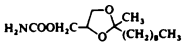
D-00470



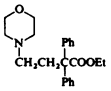
D-00471



D-00472



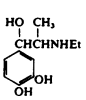
D-00473



D-00474



D-00475



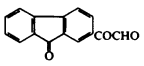
D-00476



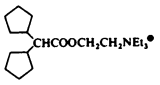
D-00477



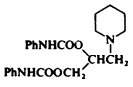
D-00478



D-00479



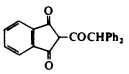
D-00480



D-00481



D-00482



D-00483

$Ph_2CHOCH_2CH_2NMe_2$

D-00484

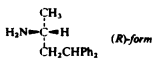
D-00485

D-00486

D-00487

$Ph_2CHCOOH$

D-00488



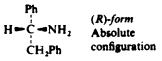
D-00489



D-00490

$PhCH_2CH_2NHCH_2CH_2Ph$

D-00491



D-00492



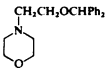
D-00493



D-00494

$Ph_3I^{\oplus}$

D-00495



D-00496

$Ph_2C{=}C(CH_2CH_3)CH_2NH_2$

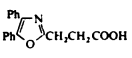
D-00497



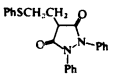
D-00498



D-00499



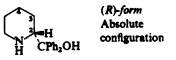
D-00500



D-00501

$Ph_2P(O)CH_2CONHNH_2$

D-00502



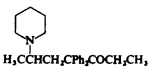
D-00504



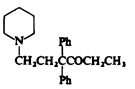
D-00507



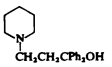
D-00508



D-00509



D-00510



D-00511



D-00512

$Ph_2CHCH_2CH_2NH(CH_2)_3NHCH(CH_3)CH_2Ph$

D-00513



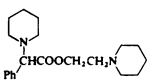
D-00514



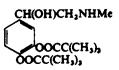
D-00515

$Ph_2C(OH)CH_2CONHNHAc$

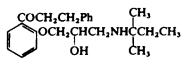
D-00516



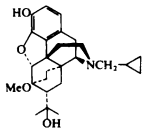
D-00517



D-00518



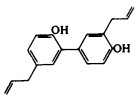
D-00519



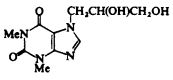
D-00520

$Ph_2CHCOSCH_2CH_2N(CH_2CH_2CH_3)_2$

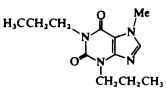
D-00521



D-00522



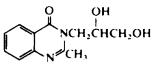
D-00523



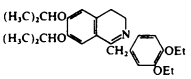
D-00524

$(H_3CCH_2CH_2)_3CCOOH$

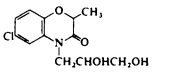
D-00525



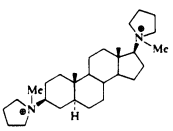
D-00526



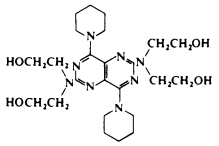
D-00527



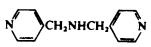
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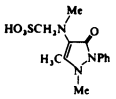
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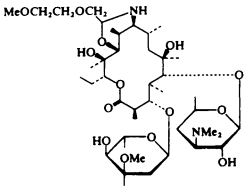
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D-00531



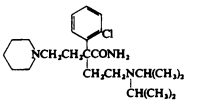
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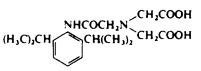
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$(MeO)_3SiCH_2CH_2CH_2N^{\oplus}Me[(CH_2)_9CH_3]_2$

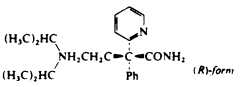
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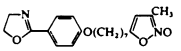
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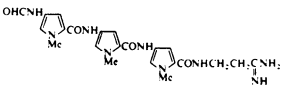
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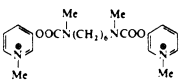
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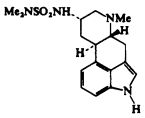
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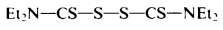
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D-00540



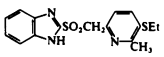
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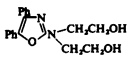
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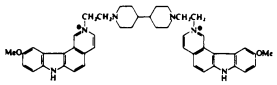
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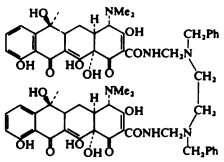
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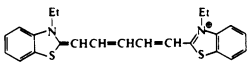
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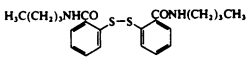
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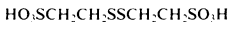
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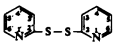
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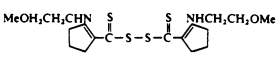
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D-00550



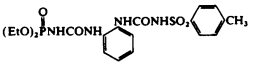
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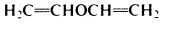
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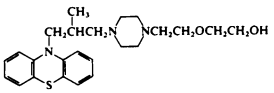


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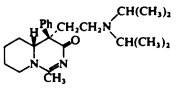


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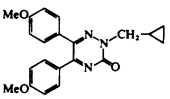
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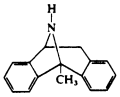
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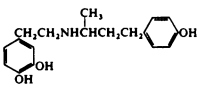
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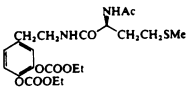
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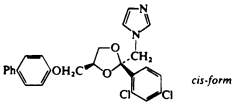
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D-00561

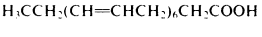


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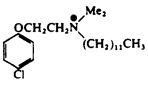


cis-form

D-00563



D-00564



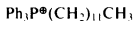
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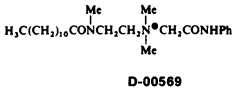
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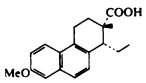
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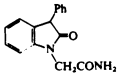
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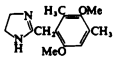
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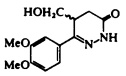
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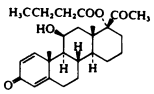
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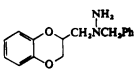
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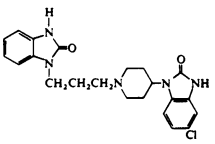
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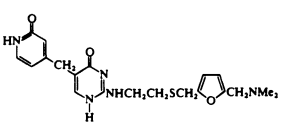
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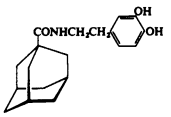
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D-00576



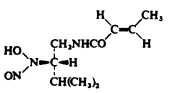
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D-00578



D-00579



D-00580

D-00581

D-00582

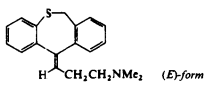
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D-00584

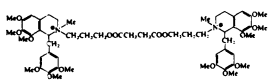
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D-00586

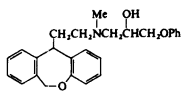
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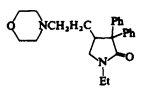
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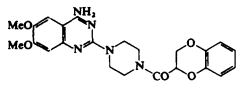
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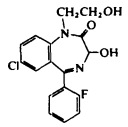
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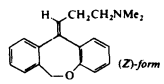
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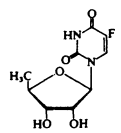
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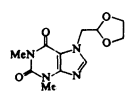
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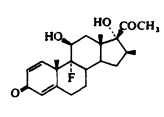
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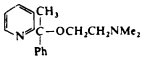
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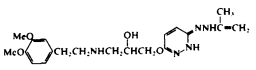
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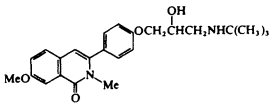
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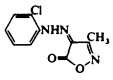
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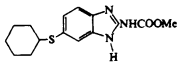
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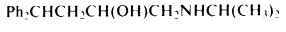
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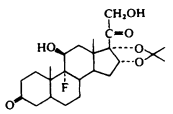
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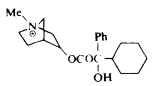
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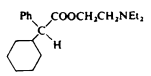
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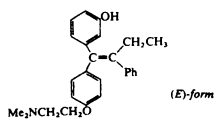
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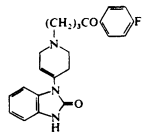
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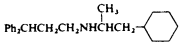
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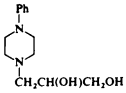
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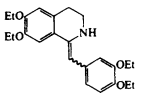
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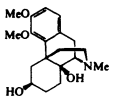
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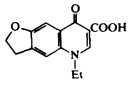
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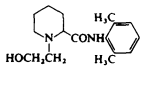
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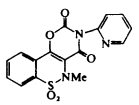
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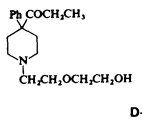
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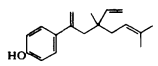
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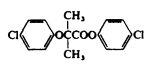
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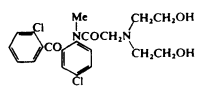
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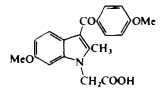
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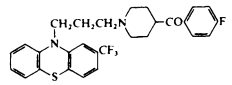
D-00618



D-00619



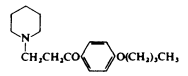
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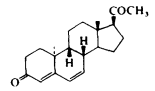
D-00621



D-00622



D-00623

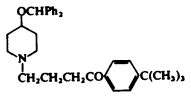


D-00624

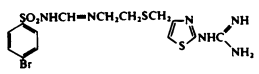
H-[Tyr-Gly-Gly-Phe-Leu-Arg-Arg-Ile-Arg Pro-Lys-Leu-Lys-Trp-Asp-Asn-]$_{11}$GlnOH

D-00625

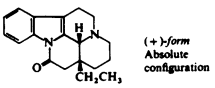
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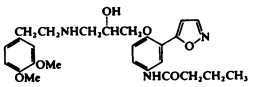
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E-00002



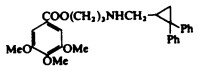
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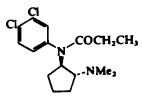
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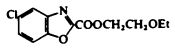
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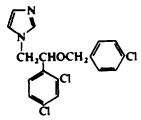
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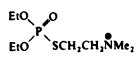
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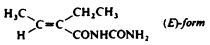
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E-00009



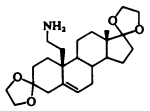
E-00010



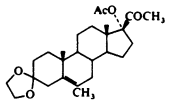
E-00011

$[HOCH(CH_3)CH_2]_2N(CH_2)_2N[CH_2CH(CH_3)OH]_2$

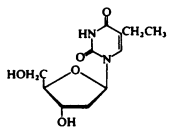
E-00012



E-00013



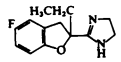
E-00014



E-00015



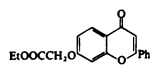
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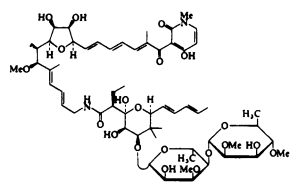
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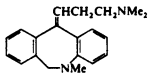
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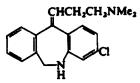
E-00019



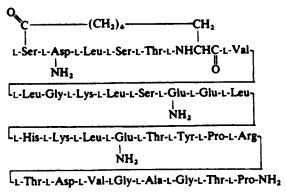
E-00020



E-00021



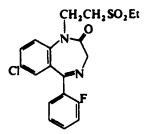
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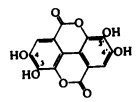
E-00023

5-OxoPro-Pro-Ser-Lys-Asp-Ala-Phe-Ile-Gly-Leu-Met-NH_2

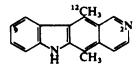
E-00024



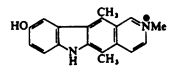
E-00025



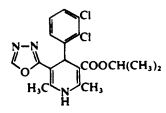
E-00026



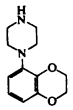
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E-00028



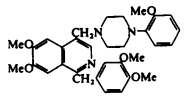
E-00029



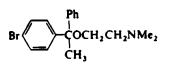
E-00030

$PhCOOCHPhCH_2NEt_2$

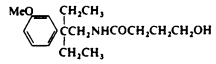
E-00031



E-00032



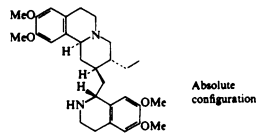
E-00033



E-00034

$Ph_2CHCH_2CH(CH_3)N^{\oplus}EtMe_2$

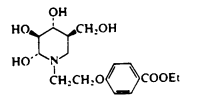
E-00035



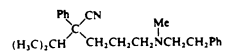
E-00036

$Ph_2CHOCH_2CH_2N^{\oplus}Me(Et)_2$

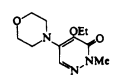
E-00037



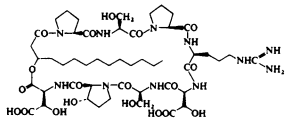
E-00038



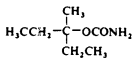
E-00039



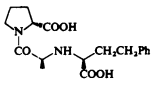
E-00040



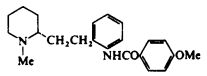
E-00041



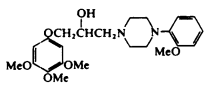
E-00042



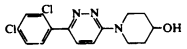
E-00043



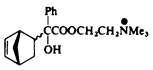
E-00044



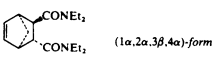
E-00045



E-00046



E-00047

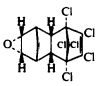


(1α,2α,3β,4α)-form

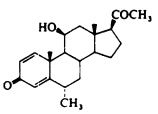
E-00048

H-Tyr-Gly-Gly-Phe-Met-Thr-Ser-Glu-Lys-Ser-Gln-Thr-Pro-Leu-Val-Thr-Leu-Phe-Lys-Asn-Ala-Ile-Ile-Lys-Asn-Ala-His-Lys-Lys-Gly-Gln-OH

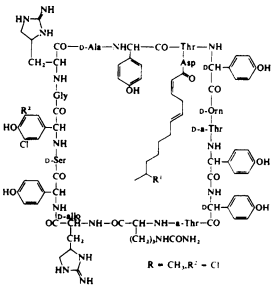
E-00050



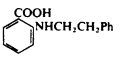
E-00051



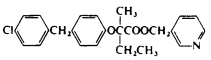
E-00052



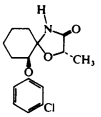
E-00053



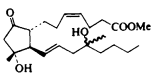
E-00054



E-00055



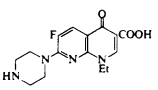
E-00056



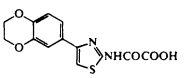
E-00057

H-Tyr-Gly-Gly-Phe-X-OH
X = Met or Leu

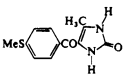
E-00059



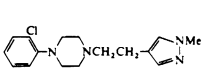
E-00060



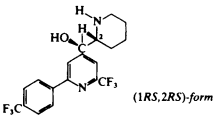
E-00061



E-00062

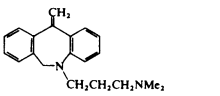


E-00063

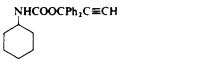


(1*RS*,2*RS*)-form

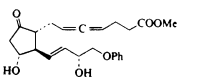
E-00064



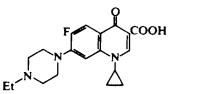
E-00065



E-00066



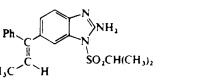
E-00067



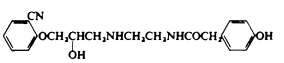
E-00068

(H$_3$C)$_3$CCH$_2$C(CH$_3$)$_2$PhO-(CH$_2$CH$_2$O)$_3$CH$_2$CH$_2$SO$_3$H

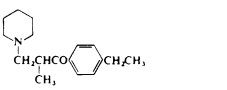
E-00069



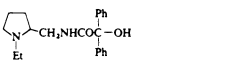
E-00070



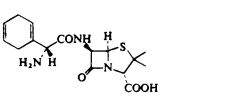
E-00071



E-00072



E-00073

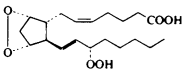


E-00074

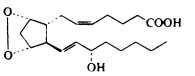
H-Asn-Ser-Asp-Ser-Glu-Cys-Pro-Leu-Ser-His-Asp-
Gly-Tyr-Cys-Leu-His-Asp-Gly-Val-Cys-Met-Tyr-
Ile-Glu-Ala-Leu-Asp-Lys-Tyr-Ala-Cys-Asn-
Cys-Val-Val-Gly-Tyr-Ile-Gly-Glu-Arg-Cys-
Glu-Tyr-Arg-Asp-Leu-Lys-Trp-Trp-Glu-Leu-X

β-form X = Arg-OH
γ-form X = OH

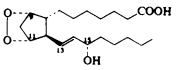
E-00075



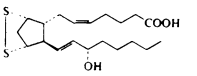
E-00076



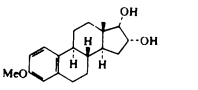
E-00077



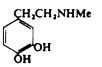
E-00078



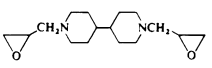
E-00079



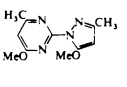
E-00080



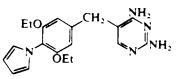
E-00081



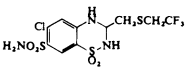
E-00082



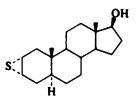
E-00083



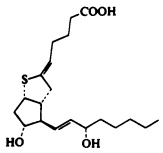
E-00084



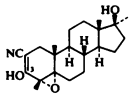
E-00085



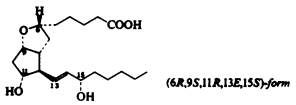
E-00086



E-00087

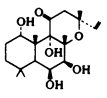


E-00088

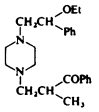


(6*R*,9*S*,11*R*,13*E*,15*S*)-*form*

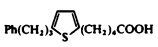
E-00089



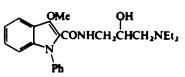
E-00090



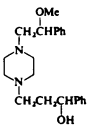
E-00091



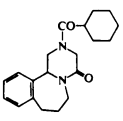
E-00092



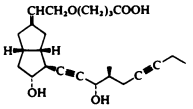
E-00093



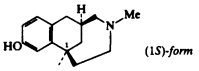
E-00094



E-00095

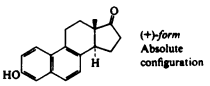


E-00096



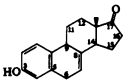
(1*S*)-*form*

E-00097

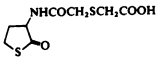


(+)-*form*
Absolute configuration

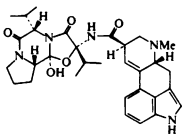
E-00098



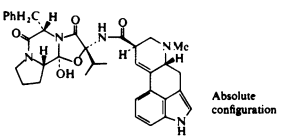
E-00099



E-00100

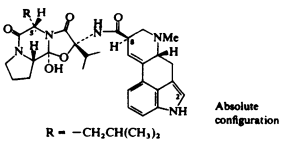


E-00101



Absolute configuration

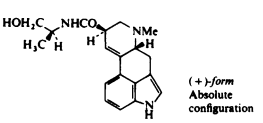
E-00102



Absolute configuration

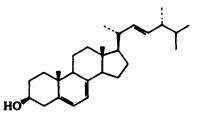
R = $-CH_2CH(CH_3)_2$

E-00103

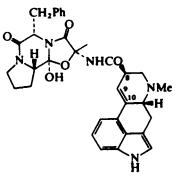


(+)-*form*
Absolute configuration

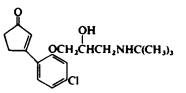
E-00104



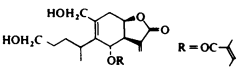
E-00105



E-00106



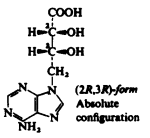
E-00107



E-00108

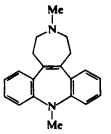
As E-00108 with
R = $-OCC(CH_3)=CH_2$

E-00109

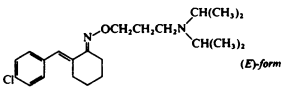


(2*R*,3*R*)-*form*
Absolute configuration

E-00110

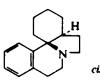


E-00111



(*E*)-*form*

E-00112

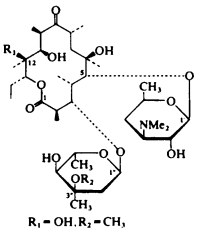


cis-*form*

E-00113



E-00114

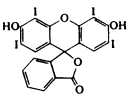


R_1 = OH, R_2 = CH_3

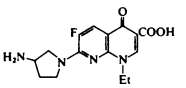
E-00115

As E-00115 with
R_1 = H, R_2 = CH_3

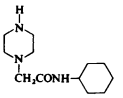
E-00116



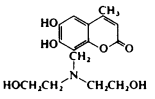
E-00118



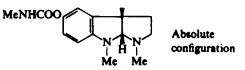
E-00119



E-00120

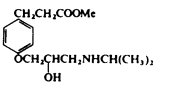


E-00121

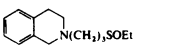


Absolute configuration

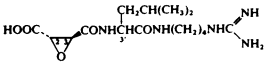
E-00122



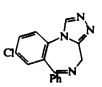
E-00123



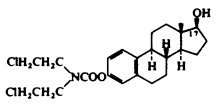
E-00124



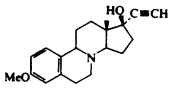
E-00125



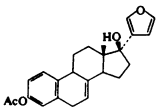
E-00126



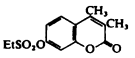
E-00127



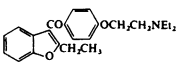
E-00128



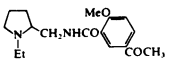
E-00129



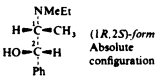
E-00130



E-00131

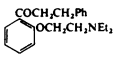


E-00132

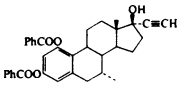


(1*R*,2*S*)-*form* Absolute configuration

E-00133



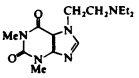
E-00134



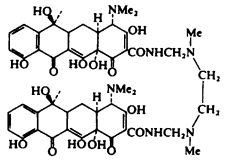
E-00135

$H_3CCH_2CPh(CN)CH_2CH(CH_3)NMe_2$

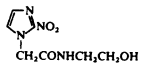
E-00136



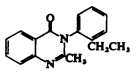
E-00137



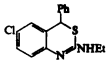
E-00138



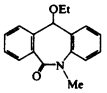
E-00139



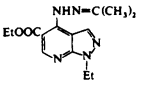
E-00140



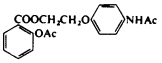
E-00141



E-00142



E-00143



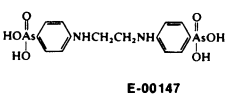
E-00144



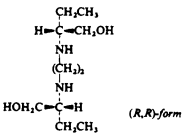
E-00145



E-00146



E-00147

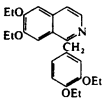


(*R*,*R*)-*form*

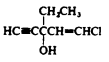
E-00148

H_3CCH_2OH

E-00149



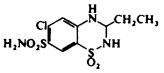
E-00150



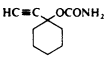
E-00151



E-00152



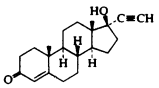
E-00153



E-00154

$H_2NCH_2CH_2CH_2NHCH_2CH_2SP(O)(OH)_2$

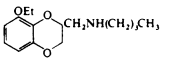
E-00155



E-00156



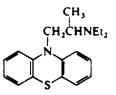
E-00157



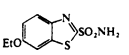
E-00158



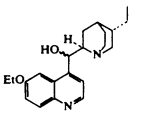
E-00159



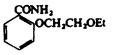
E-00160



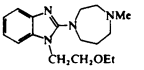
E-00162



E-00163



E-00164



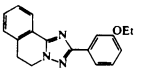
E-00166

$(H_3C)_2CHCH_2OEt$

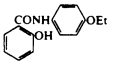
E-00167

$H_3CCH(OEt)COCHO$

E-00168



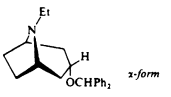
E-00169



E-00170



E-00171



s-form

E-00172

$H_3CCONHEt$

E-00173



E-00174

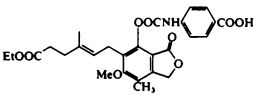
E-00175

$H_3C(CH_2)_3NHCOOEt$

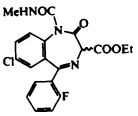
E-00176

$H_2NCOOEt$

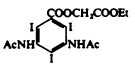
E-00177



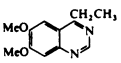
E-00178



E-00179



E-00180



E-00181

$H_3C(CH_2)_{14}CH_2N^{\oplus}(Et)Me_2$

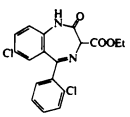
E-00182



E-00183

$Ph(CH_2)_3NEt(CH_2)_3Ph$

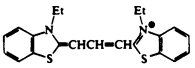
E-00184



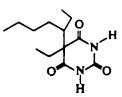
E-00185

$(HOOCCH_2)_2NCH_2CH_2N(CH_2COOH)_2$

E-00186



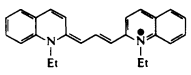
E-00187



E-00188

$EtNHCOOEt$

E-00189



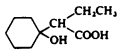
E-00190



E-00191

$H_3CCH(OH)CH_2CONHCH_2CH(CH_2CH_3)CH_2CH_2CH_2CH_3$

E-00192



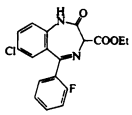
E-00193

$H_3CCH_2C(CH_2OH)_3$

E-00194

$(H_3CCH_2)_2C(OH)CH_2COOH$

E-00196



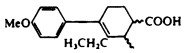
E-00197



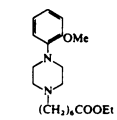
E-00198



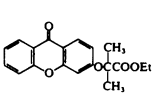
E-00199



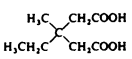
E-00200



E-00201



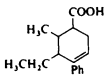
E-00202



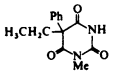
E-00203

$H_3CCH_2CH(CH_3)CH(COOH)CH_2CH_3$

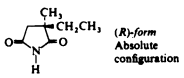
E-00204



E-00205

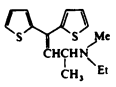


E-00206



(*R*)-*form*
Absolute configuration

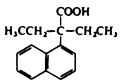
E-00207



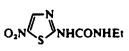
E-00208

$H_3C(CH_2)_3CH(CH_2CH_3)CH_2CH_2CH(OH)CH_2CH(CH_3)_2$

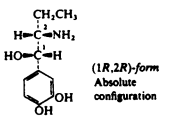
E-00209



E-00210

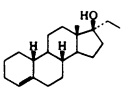


E-00211

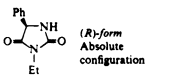


(1*R*,2*R*)-*form*
Absolute configuration

E-00212

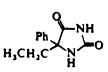


E-00213

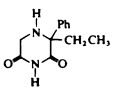


(*R*)-*form*
Absolute configuration

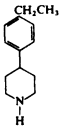
E-00214



E-00215



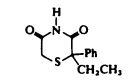
E-00216



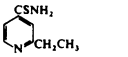
E-00217



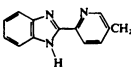
E-00218



E-00219



E-00220



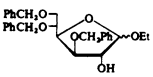
E-00221



E-00222



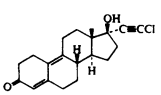
E-00223



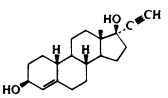
E-00224

$H_3CCH_2OCH{=}CH_2$

E-00225



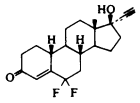
E-00226



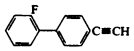
E-00227



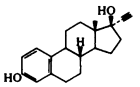
E-00228



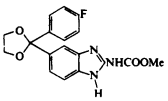
E-00229



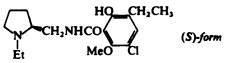
E-00230



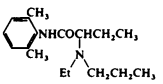
E-00231



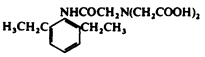
E-00232



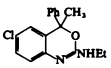
E-00233



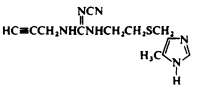
E-00234



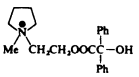
E-00235



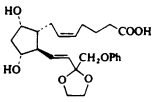
E-00236



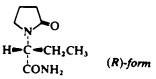
E-00237



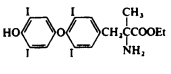
E-00238



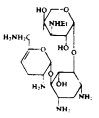
E-00239



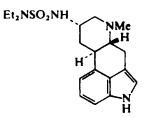
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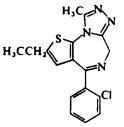
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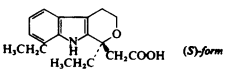
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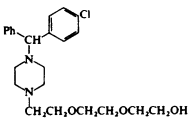
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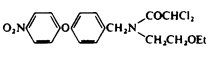
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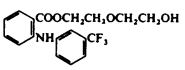
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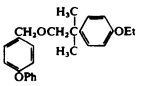
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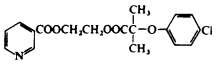
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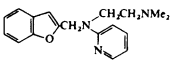
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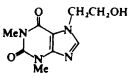
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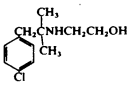
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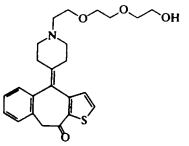
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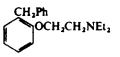
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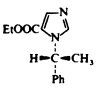
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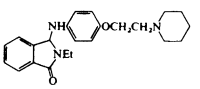
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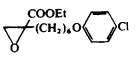
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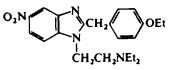
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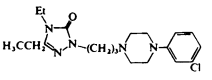
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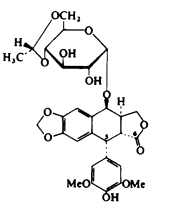
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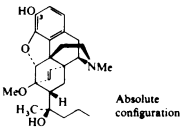
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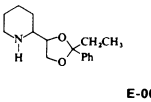
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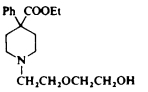
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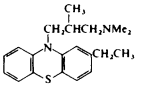
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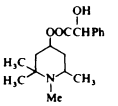
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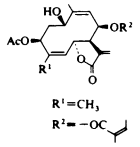
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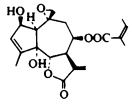
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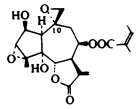
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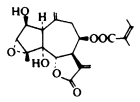
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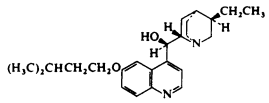
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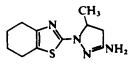
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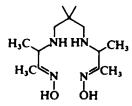
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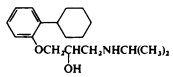
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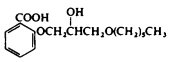
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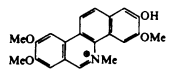


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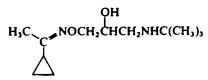


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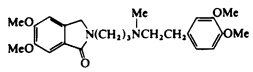
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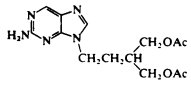
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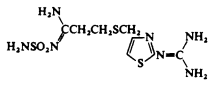
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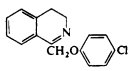
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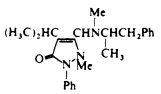
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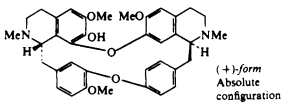
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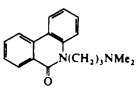


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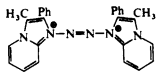


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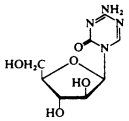
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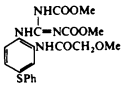
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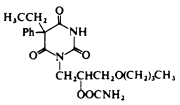
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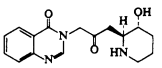
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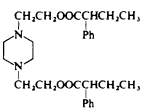


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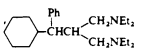


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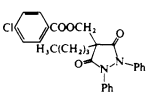
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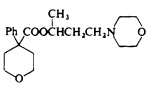
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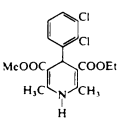
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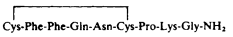
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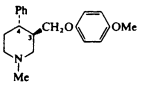
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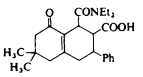
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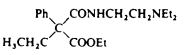
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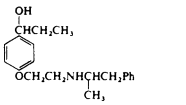
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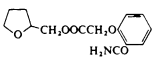
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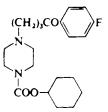
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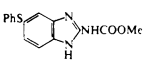
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F-00035



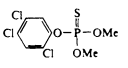
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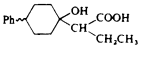
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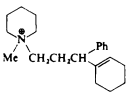
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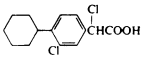
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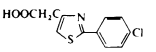
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F-00041

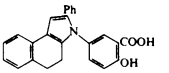


F-00042



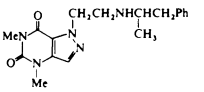
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F-00044

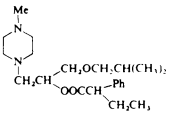


F-00045

F-00046



F-00047



F-00048

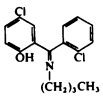
F-00049

(*R*)-*form*
Absolute configuration

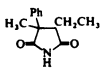
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(1*R*,3*S*)-*form*

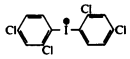
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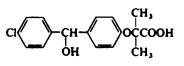
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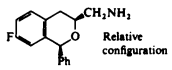
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F-00054



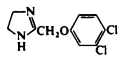
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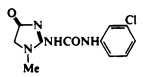
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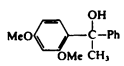
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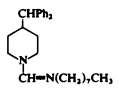
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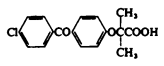
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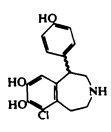
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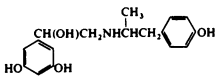
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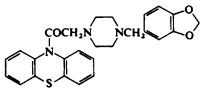
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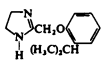
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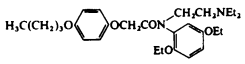
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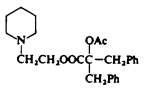
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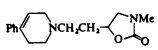
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F-00067



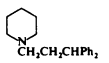
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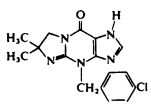
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F-00070



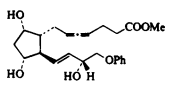
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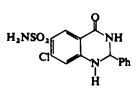
F-00072

PhCH$_2$CH(CH$_3$)NHCH$_2$CH$_2$CN

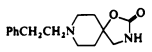
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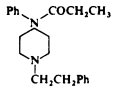
F-00074



F-00075



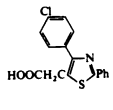
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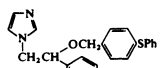
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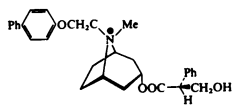
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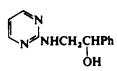
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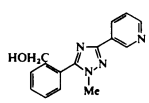
F-00080



F-00081



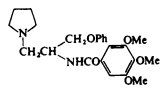
F-00082



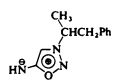
F-00083

PhCH(OH)CH$_2$NHC(CH$_3$)$_2$CH$_2$OH

F-00084



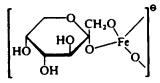
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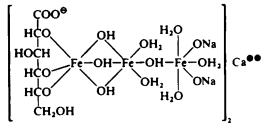
F-00086

FeCl$_3$

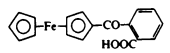
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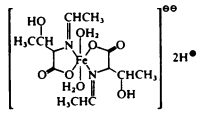
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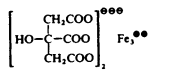
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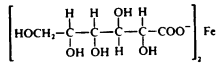
F-00090



F-00091



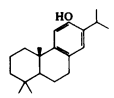
F-00092



F-00093

FeSO$_4$

F-00094



F-00095

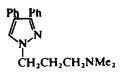
5-Oxo-L-Pro-L-His-L-Trp-L-Ser-L-Tyr-Gly-L-Leu-L-Arg-L-ProNH$_2$

F-00096

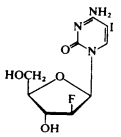
F-00097

F-00098

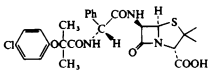
F-00099



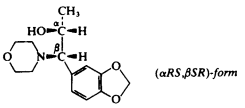
F-00100



F-00101

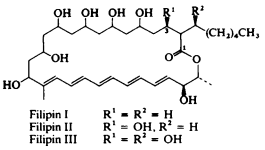


F-00102



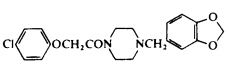
(αRS,βSR)-form

F-00105

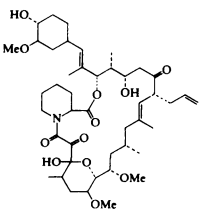


Filipin I $R^1 = R^2 = H$
Filipin II $R^1 = OH, R^2 = H$
Filipin III $R^1 = R^2 = OH$

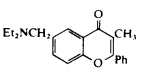
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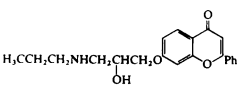
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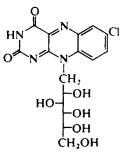
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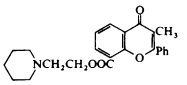
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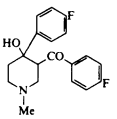
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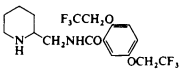
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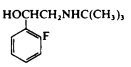
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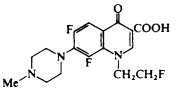
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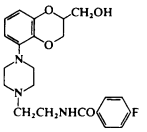
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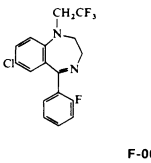
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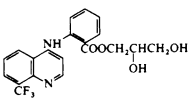
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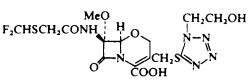
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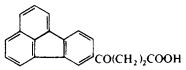
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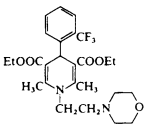
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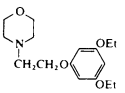
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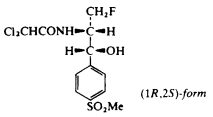
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F-00122

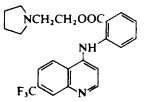


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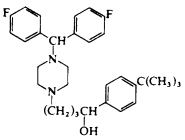


(1R,2S)-form

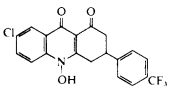
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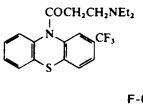
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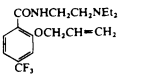
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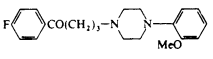
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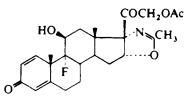
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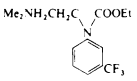
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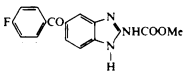
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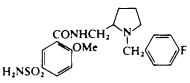
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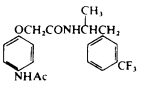
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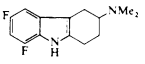
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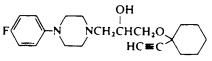
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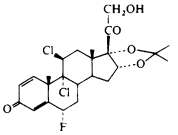
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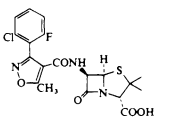
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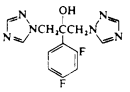
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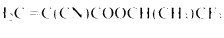
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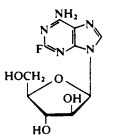
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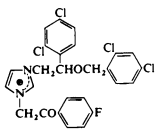
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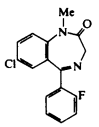
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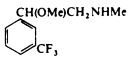
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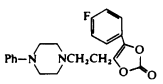
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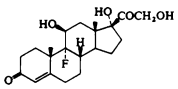
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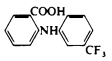
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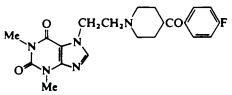
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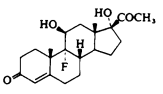
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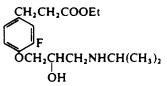
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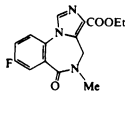
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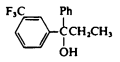
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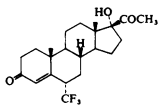
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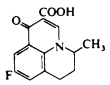
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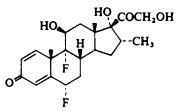
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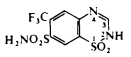
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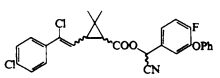
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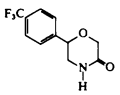
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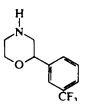
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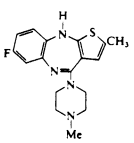
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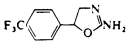
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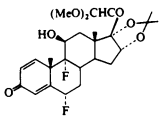
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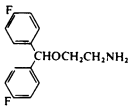
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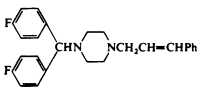
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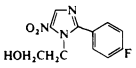
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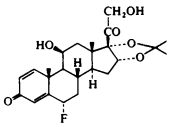
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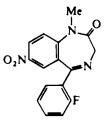
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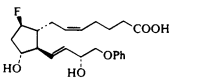
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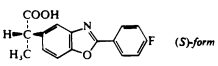
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F-00169

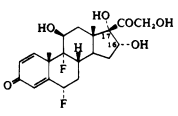


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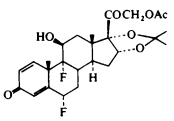


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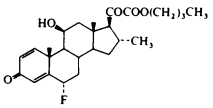
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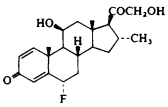
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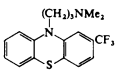
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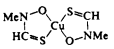
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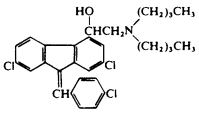
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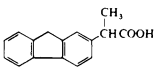
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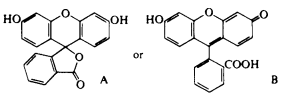
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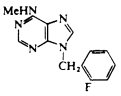


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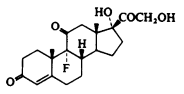
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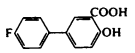


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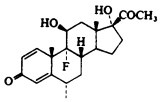
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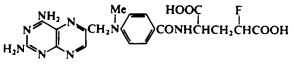
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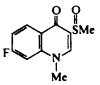
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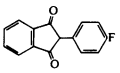
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F-00187



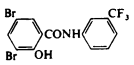
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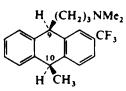
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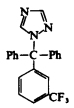
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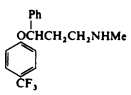
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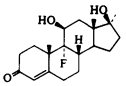
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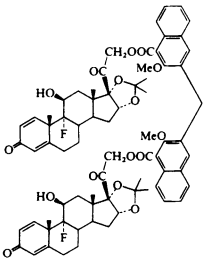
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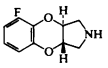
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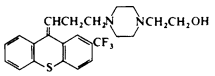
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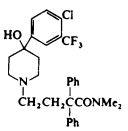
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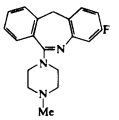
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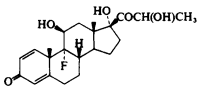
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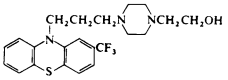
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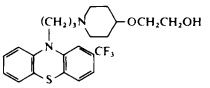
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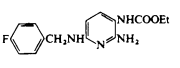
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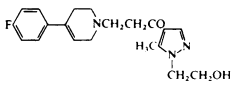
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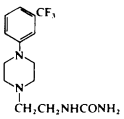
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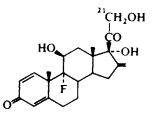
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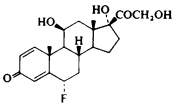
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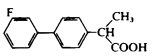
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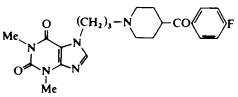
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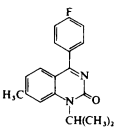
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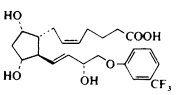
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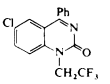
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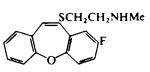
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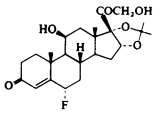
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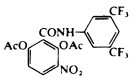
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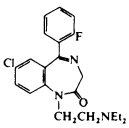
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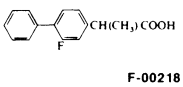
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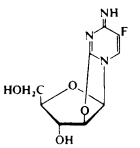
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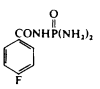
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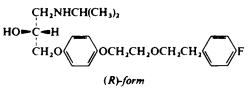
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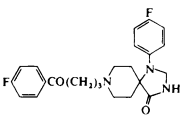
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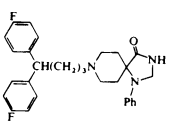
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F-00221

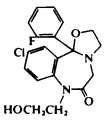


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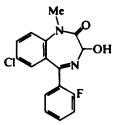


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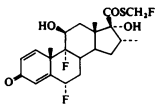
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F-00225



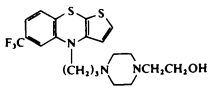
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F-00227



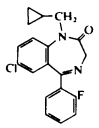
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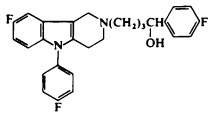
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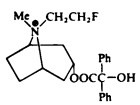
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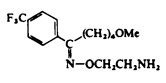
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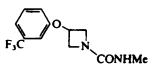
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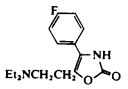
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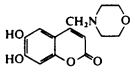
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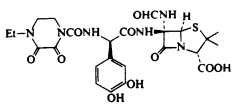
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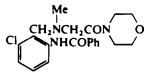
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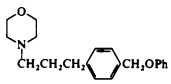
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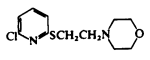
F-00239



F-00240



F-00241



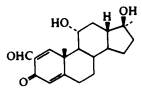
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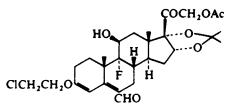
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HCHO

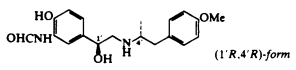
F-00244



F-00245



F-00246

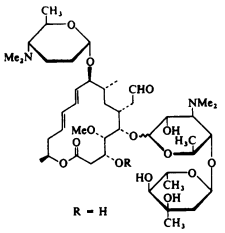


(1'*R*,4'*R*)-*form*

F-00247



F-00248



R = H

F-00249

As F-00249 with

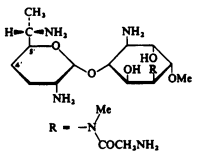
R = Ac

F-00250

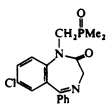
As F-00249 with

R = $COCH_2CH_3$

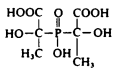
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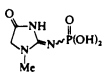
F-00252



F-00253



F-00254



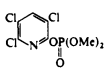
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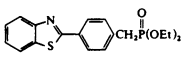
F-00256

$(HO)_2P(O)CH_2CH_2CH_2N(OH)CHO$

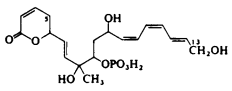
F-00257



F-00258



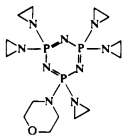
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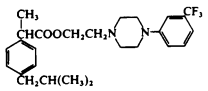
F-00260

$(EtO)_2P(O)CH(CH_3)NHCON(NO)CH_2CH_2Cl$

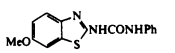
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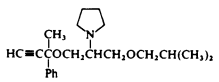
F-00262



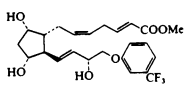
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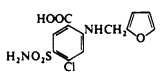
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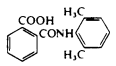
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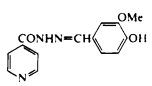
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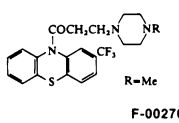
F-00267



F-00268



F-00269

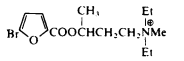


R=Me

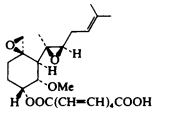
F-00270

As F-00270 with
R = $-CH_2CH_2OH$

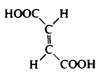
F-00271



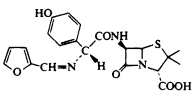
F-00272



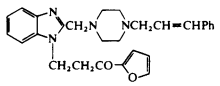
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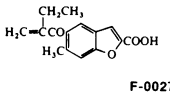
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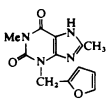
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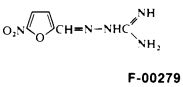
F-00276



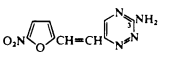
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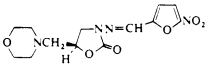
F-00278



F-00279



F-00280

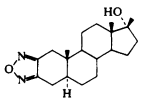


F-00281

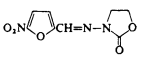
(*S*)-*form*
Absolute configuration



F-00282



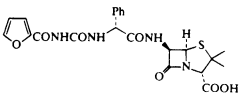
F-00283



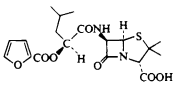
F-00284



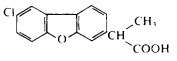
F-00285



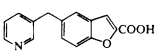
F-00286



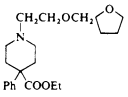
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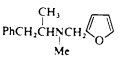
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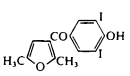
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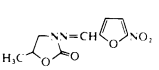
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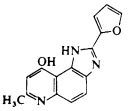
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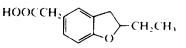
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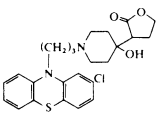
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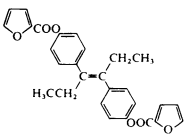
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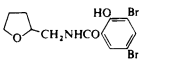
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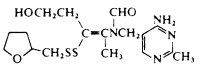
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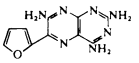
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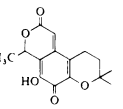
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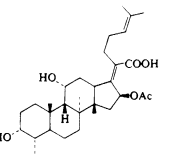
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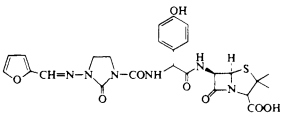
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F-00302

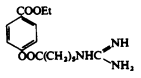


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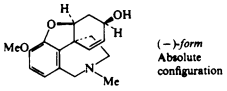


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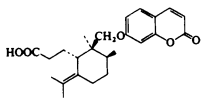


G-00001

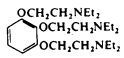


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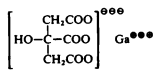
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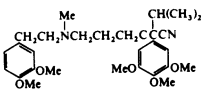
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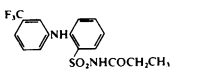
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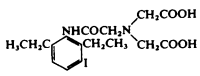
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G-00006



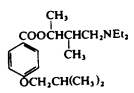
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G-00008



G-00009



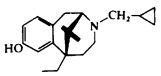
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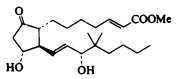
G-00011

Pyroglutamyl-Gly-Pro-Trp-Leu-Glu-Glu-Glu-Glu-Glu-Ala-Tyr-Gly-Trp-Met-Asp-PheNH$_2$

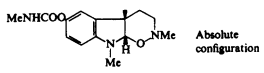
G-00013



G-00014

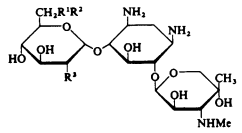


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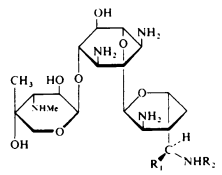
Absolute configuration

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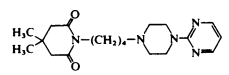


R^1 = NH_2, R^2 = H, R^3 = OH

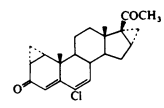
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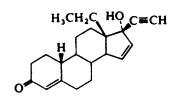
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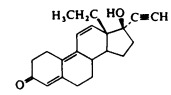
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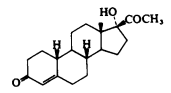
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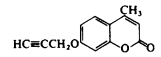
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G-00022



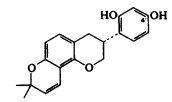
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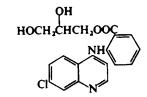
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Gly-Tyr-Ser-Met-GluNH$_2$-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-NH$_2$

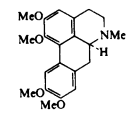
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G-00026

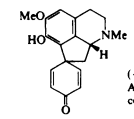


G-00027



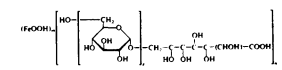
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Absolute configuration

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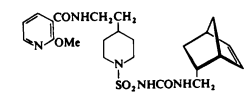


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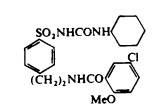
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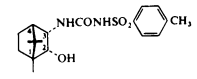
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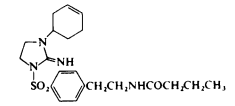
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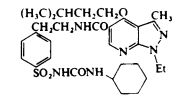
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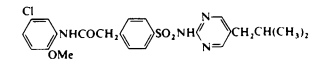
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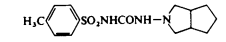
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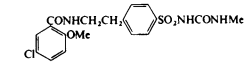
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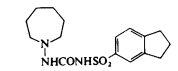
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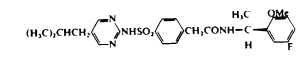
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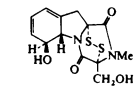
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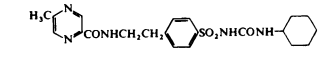
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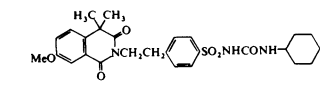
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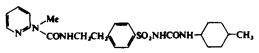
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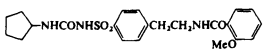
G-00042



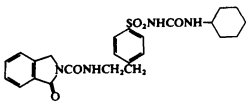
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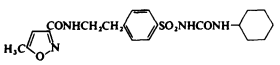
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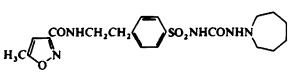
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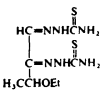
G-00046



G-00047



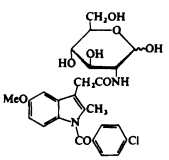
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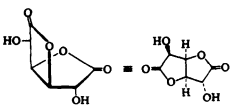
G-00050

[1]His-Ser-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Lys-Tyr-Leu-Asp-Ser-Arg-Arg-Ala-Gln-Asp-Phe-Val-Gln-Tyr-Leu-Met-Asn-[29]Thr

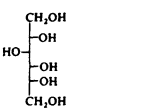
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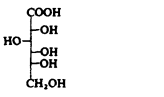
G-00052



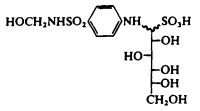
G-00053



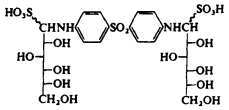
G-00054



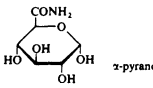
G-00055



G-00056

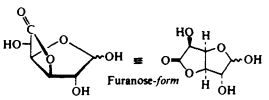


G-00057

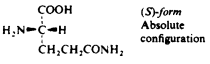


α-pyranose

G-00058

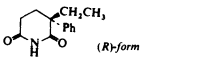


G-00059



(*S*)-*form*
Absolute configuration

G-00060

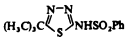


(*R*)-*form*

G-00061



G-00062



G-00063

$HOCH_2CH(OH)CH_2OH$

G-00064

$AcOCH_2CH(OAc)CH_2OAc$

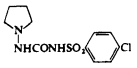
G-00065



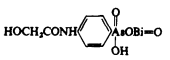
G-00066



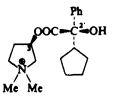
G-00067



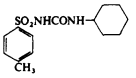
G-00068



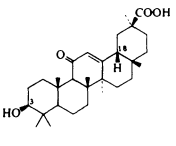
G-00069



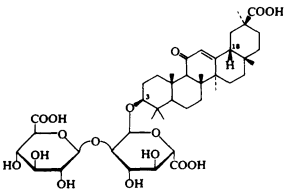
G-00070



G-00071



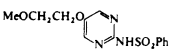
G-00072



G-00073



G-00074



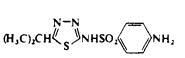
G-00075



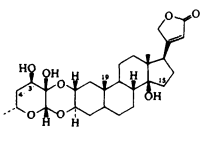
G-00076



G-00077



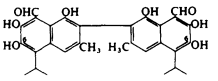
G-00078



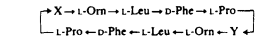
G-00079

H-4-OxoPro-His-Trp-Ser-Tyr-D-NHCHCO-Leu-Arg-Pro-NHNHCONH$_2$
$CH_2O(CH_2)_3$

G-00081



G-00082

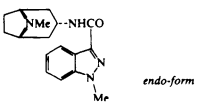


Gramicidin S$_1$ X = Y = L-Val
S$_2$ X = 2-Aminobutanoic acid, Y = L-Val
S$_3$ X = Y = 2-Aminobutanoic acid

G-00083

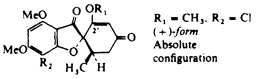
HCO-L-Val-Gly-L-Ala-D-Leu-L-Ala-D-Val-L-Val-D-Val-L-Trp-D-Leu-L-Trp-D-Leu-L-Trp-NHCH$_2$CH$_2$OH

G-00085



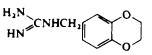
endo-form

G-00086

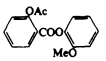


$R_1 = CH_3$, $R_2 = Cl$
(+)-*form*
Absolute configuration

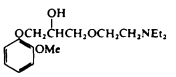
G-00087



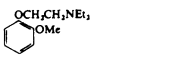
G-00088



G-00089



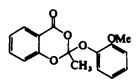
G-00090



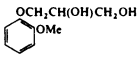
G-00091

G-00092

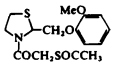
G-00093



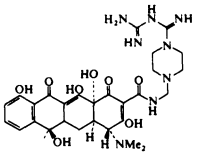
G-00094



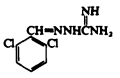
G-00095



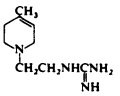
G-00096



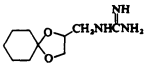
G-00097



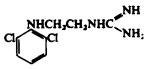
G-00098



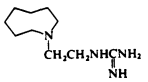
G-00099



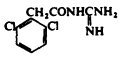
G-00100



G-00101



G-00102



G-00103

Struct. unknown

G-00104

Struct. unknown

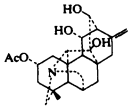
G-00105

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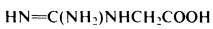
G-00106

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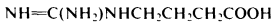
G-00107



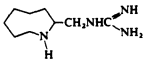
G-00108



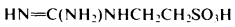
G-00109



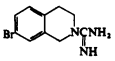
G-00110



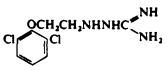
G-00111



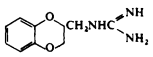
G-00112



G-00113

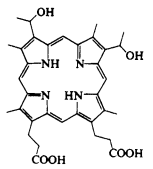


G-00114



G-00115

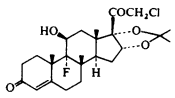
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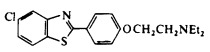
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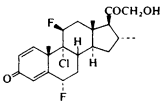
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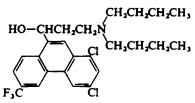
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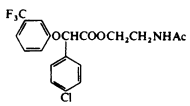
H-00005



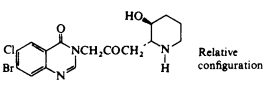
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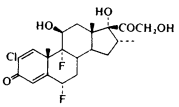
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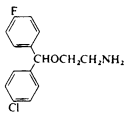
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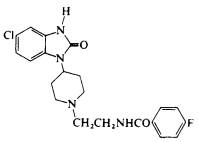
H-00009



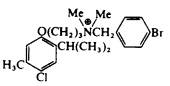
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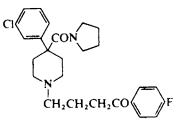
H-00011



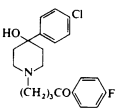
H-00012



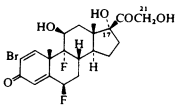
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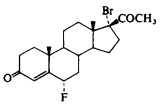
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H-00015



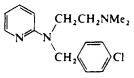
H-00016



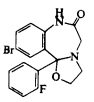
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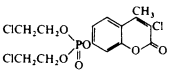
H-00018



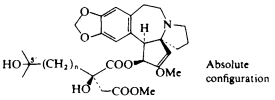
H-00019



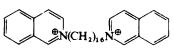
H-00020



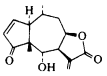
H-00021



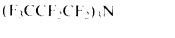
H-00022



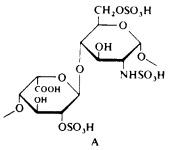
H-00023



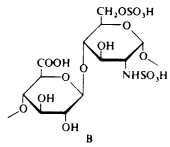
H-00024



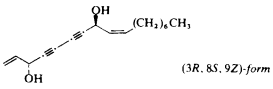
H-00025



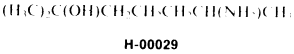
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H-00027

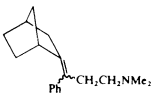


H-00028

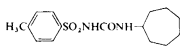


H-00029

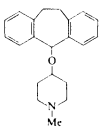
H-00030



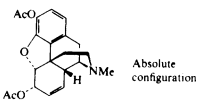
H-00031



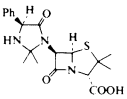
H-00032



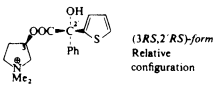
H-00033



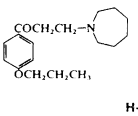
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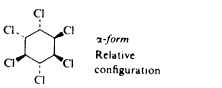
H-00035



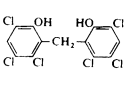
H-00036



H-00037



H-00038



H-00039

H-00040



H-00041

$H_3C(CH_2)_{14}CH_2NH_2$

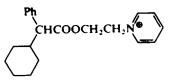
H-00042



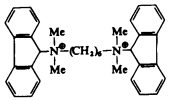
H-00043

$H_3C(CH_2)_{15}{}^{\oplus}NMe_3$

H-00044



H-00045



H-00046

$(F_3C)_2CHOCH_2F$

H-00047



H-00048



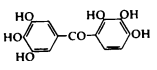
H-00049



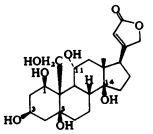
H-00050



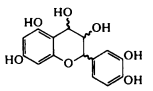
H-00051



H-00052



H-00053



H-00054

$Me_3N^{\oplus}(CH_2)_6N^{\oplus}Me_3$

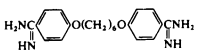
H-00055



H-00056



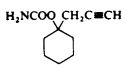
H-00057



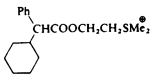
H-00058

$Ph_2C(OH)CH(NH_2)(CH_2)_4CH_3$

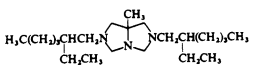
H-00060



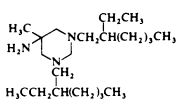
H-00061



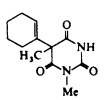
H-00062



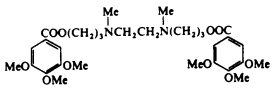
H-00063



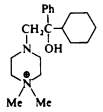
H-00064



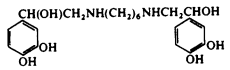
H-00065



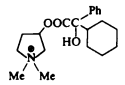
H-00066



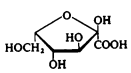
H-00067



H-00068



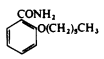
H-00069



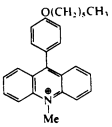
H-00070

$H_3C(CH_2)_3C(CH_2OH)_3$

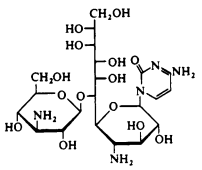
H-00072



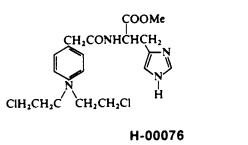
H-00073



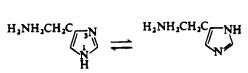
H-00074



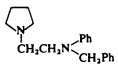
H-00075



H-00076



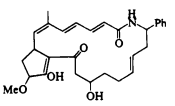
H-00077



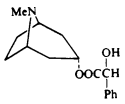
H-00078

H-5-OxoPro-His-Trp-Ser-Tyr-D-His(N PhCH$_2$)-Leu-Arg-Pro-NHEt

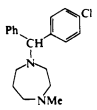
H-00080



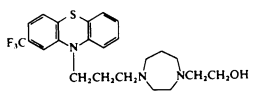
H-00081



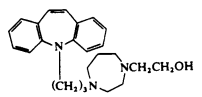
H-00082



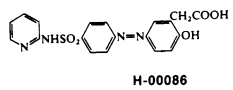
H-00083



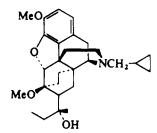
H-00084



H-00085



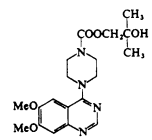
H-00086



H-00087

$HOCH_2C(CH_3)_2CH(OH)CONH(CH_2)_3COOH$

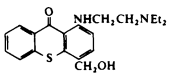
H-00088



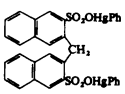
H-00089

H-Phe-Pro-Thr-Ile-Pro-Leu-Ser-Arg-Leu-Phe-Asp-Asn-Ala-Met-Leu-Arg-Ile-Leu-Ser-Leu-Glu-Leu-Ile-Ser-Trp-Leu-Glu-Pro-Val-Glu-Phe-Ala-His-Arg-Leu-His-Gln-Leu-Ala-Phe-Asp-Thr-Tyr-Glu-Glu-Phe-Glu-Glu-Ala-Tyr-Ile-Pro-Lys-Glu-Gln-Lys-Tyr-Ser-Phe-Leu-Gln-Asp-Pro-Glu-Thr-Ser-Leu-CyS-Phe-Ser-Glu-Ser-Ile-Pro-Thr-Pro-Ser-Asn-Arg-Glu-Glu-Thr-Gln-Lys-Ser-Asp-Leu-Glu-Leu-Leu-Arg-Ser-Val-Phe-Ala-Asn-Ser-Leu-Val-Tyr-Gly-Ala-Ser-Asn-Ser-Asp-Val-Tyr-Asp-Leu-Leu-Lys-Asp-Leu-Glu-Glu-Gly-Ile-Glu-Thr-Leu-Met-Gly-Arg-Leu-Glu-Asp-Pro-Ser-Gly-Arg-Thr-Gly-Gln-Ile-Phe-Lys-Glu-Thr-Tyr-Ser-Lys-Phe-Asp-Thr-Asn-Ser-His-Asn-Asp-Asp-Ala-Leu-Leu-Lys-Asp-Tyr-Gly-Leu-Leu-Tyr-CyS-Phe-Arg-Lys-Asp-Met-Asp-Lys-Val-Glu-Thr-Phe-Leu-Arg-Ile-Val-Gln-CyS-Arg-Ser-Val-Glu-Gly-Ser-CyS-Gly-Phe-OH

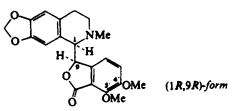
H-00090



H-00093



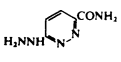
H-00094



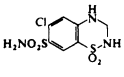
H-00095



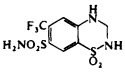
H-00096



H-00097



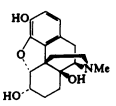
H-00098



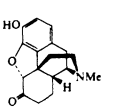
H-00099

H_2O_2

H-00100



H-00101

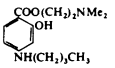


Absolute configuration

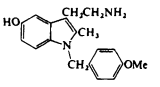
H-00102

$Al_2O_3{\cdot}6MgO{\cdot}CO_2{\cdot}12H_2O$

H-00103



H-00104



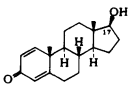
H-00105

$H_3CCONHOH$

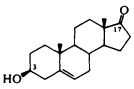
H-00106

$PhCOCH_2OH$

H-00107

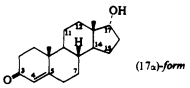


H-00108



3β-form

H-00110

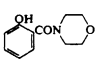


(17α)-form

H-00111



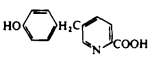
H-00112



H-00115



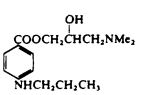
H-00116



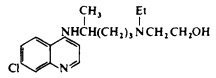
H-00117

$HOH_2C(CH_2)_2COOH$

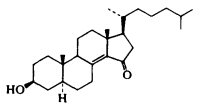
H-00118



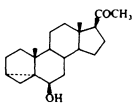
H-00119



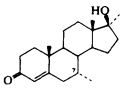
H-00120



H-00121

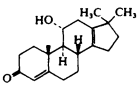


H-00122



7α-form

H-00123



H-00124

$[(PhHg)_3OH]^{\oplus}$

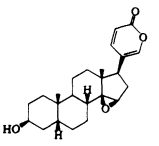
H-00125

$Ph_2C(OH)CH_2COOH$

H-00126



H-00127



H-00128

$PhCH_2NHCOOCH_2CH_2OH$

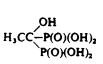
H-00129

$PhCH{=}CHCONHCH_2CH_2OH$

H-00130



H-00131



H-00132

$H_3C(CH_2)_{11}NH_3{}^{\oplus}CH_2CH_2OH$

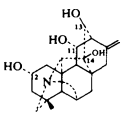
H-00133



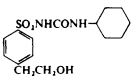
H-00134

$H_3C(CH_2)_4COCH_2OH$

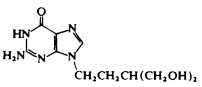
H-00135



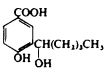
H-00136



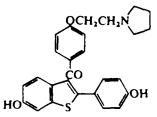
H-00137



H-00138



H-00139



H-00140



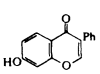
H-00141



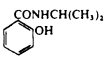
H-00142



H-00143



H-00144



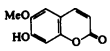
H-00145

$HOCH[P(O)(OH)_2]_2$

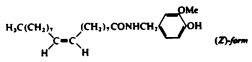
H-00146



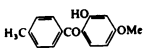
H-00147



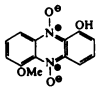
H-00148



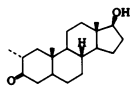
H-00149



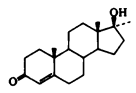
H-00150



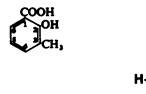
H-00152



H-00153

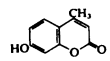


H-00154

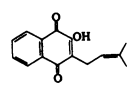


H-00155

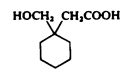
H-00156



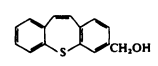
H-00157



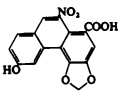
H-00158



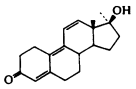
H-00159



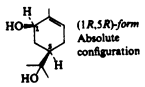
H-00160



H-00161

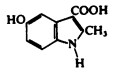


H-00162

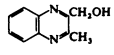


(1*R*,5*R*)-*form*
Absolute configuration

H-00163

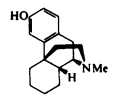


H-00164



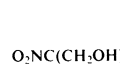
$HOCH_2NHCSNHMe$

H-00165

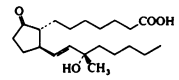


(−)-*form*
Absolute configuration

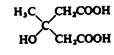
H-00166



H-00168



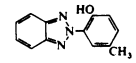
H-00169



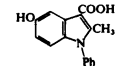
H-00170

$(H_3C)_2C(OH)CH_2COCH_3$

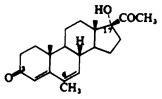
H-00171



H-00172



H-00173



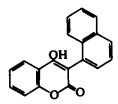
H-00174

$Me_3N^{\oplus}CH_2OH$

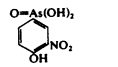
H-00177



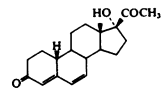
H-00178



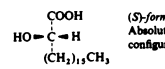
H-00180



H-00181



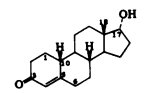
H-00183



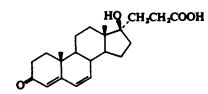
(*S*)-*form*
Absolute configuration

H-00184

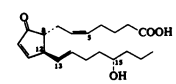
H-00185



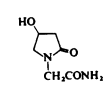
H-00186

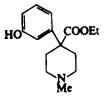


H-00187



H-00188





H-00189



H-00190

PhHgOH

H-00191

H-00192

H-00193

(*S*)-*form*

H-00194

H-00195

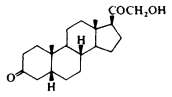
H-00196

H-00197

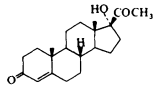
H-00198

H-00199

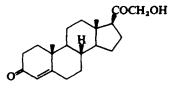
H-00200



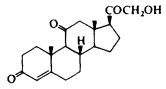
H-00201



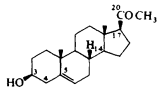
H-00202



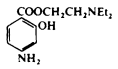
H-00203



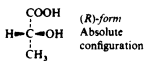
H-00204



H-00205

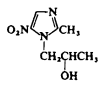


H-00206

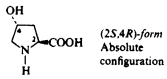


(*R*)-form
Absolute configuration

H-00207

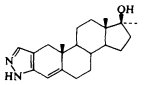


H-00208

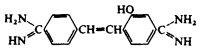


(2*S*,4*R*)-form
Absolute configuration

H-00210



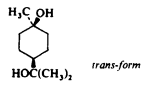
H-00212



H-00213

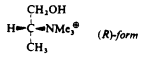


H-00215



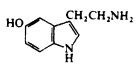
trans-form

H-00216

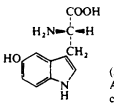


(*R*)-form

H-00217

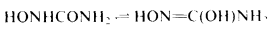


H-00218

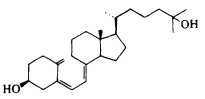


(*S*)-form
Absolute configuration

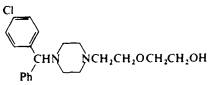
H-00219



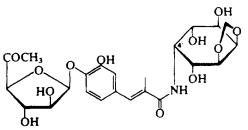
H-00220



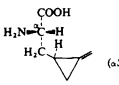
H-00221



H-00222

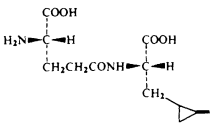


H-00223



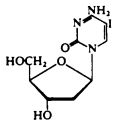
(α*S*,γ*S*)-form

H-00224

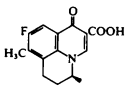


H-00225

I



I-00001

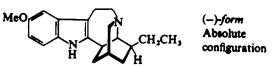


(S)-form

I-00002

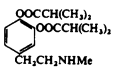


I-00003

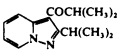


(−)-form Absolute configuration

I-00004



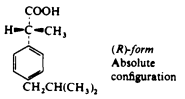
I-00005



I-00006

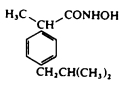


I-00007

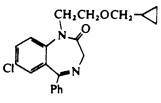


(R)-form Absolute configuration

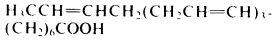
I-00008



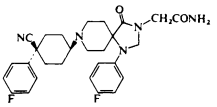
I-00009



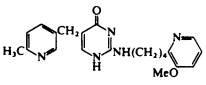
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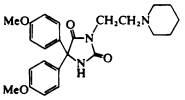
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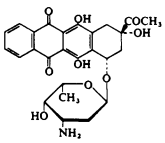
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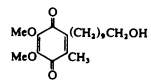
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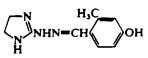
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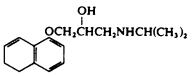
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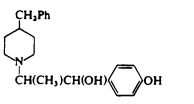
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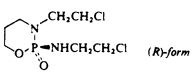
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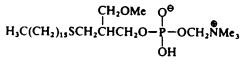


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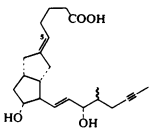


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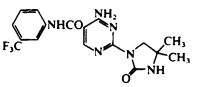
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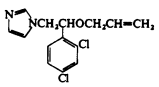
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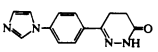
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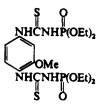
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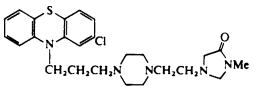
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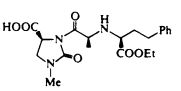
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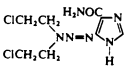
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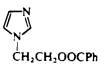
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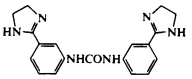
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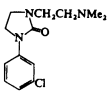
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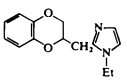
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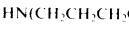
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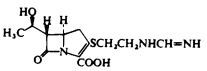
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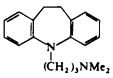
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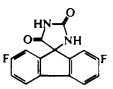
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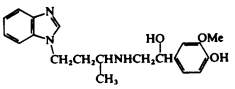


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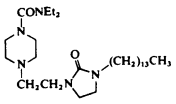


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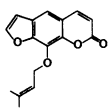
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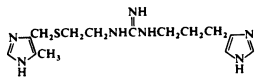
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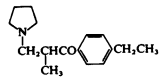
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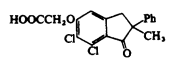
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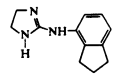
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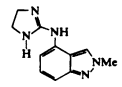
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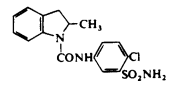
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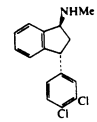
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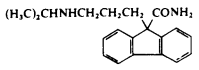


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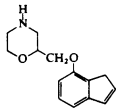


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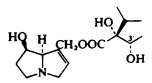
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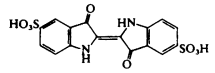
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I-00056



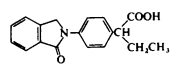
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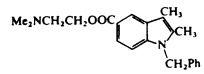
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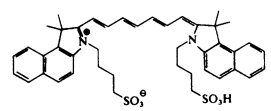
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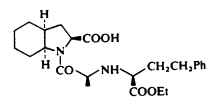
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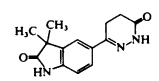
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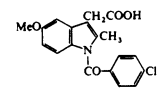
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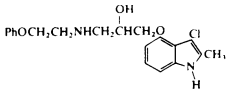
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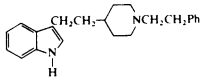
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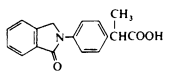
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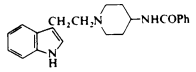
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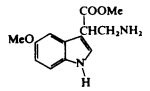
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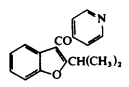
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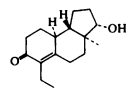
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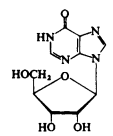
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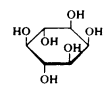
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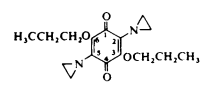
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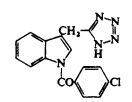
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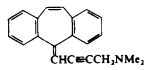
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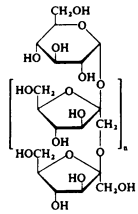
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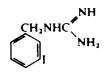
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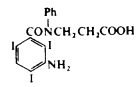
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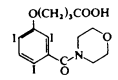
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I-00090



I-00091



I-00092



I-00093

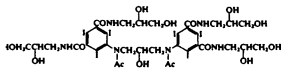
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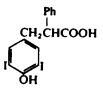
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I-00097

I-00098



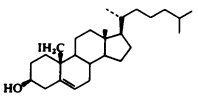
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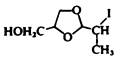
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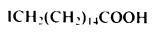
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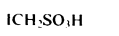
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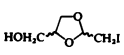
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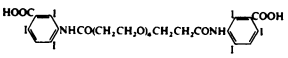
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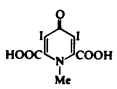
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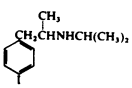
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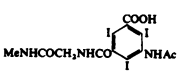
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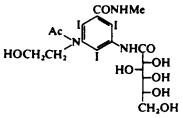
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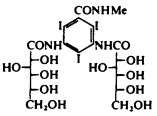
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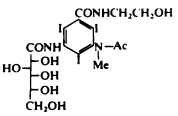
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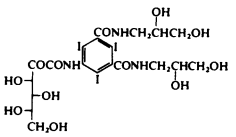
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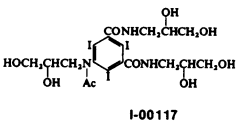
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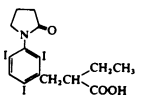
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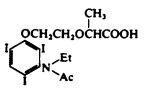
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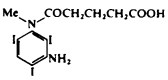
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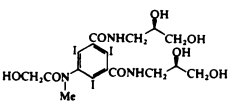
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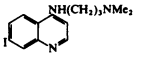
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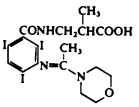
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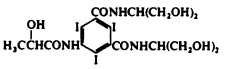
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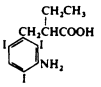
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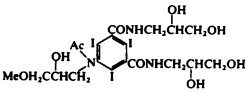
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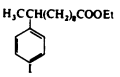
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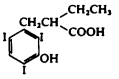
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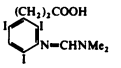
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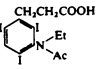
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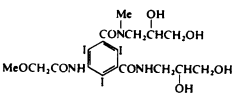
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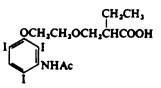
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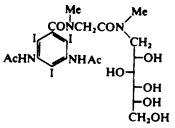
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I-00131



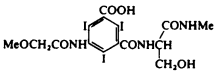
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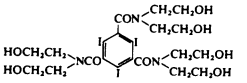
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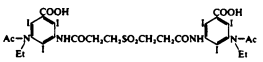
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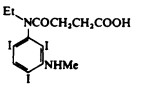
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I-00136



I-00137



I-00138

I-00139

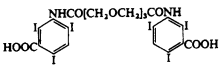
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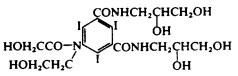
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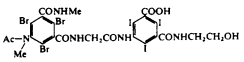
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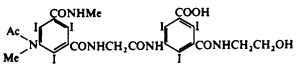
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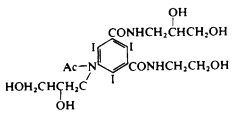
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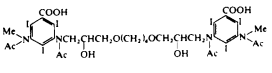
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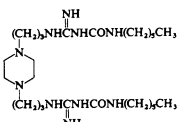
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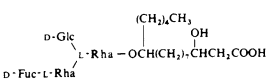
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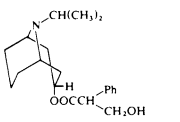
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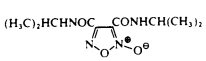
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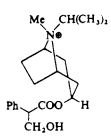
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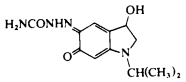
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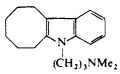
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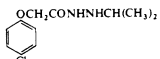
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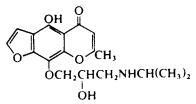
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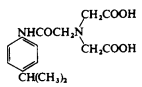
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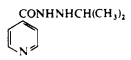
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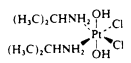
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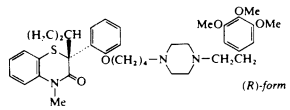
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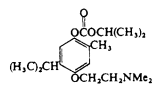
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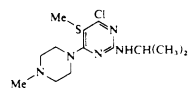
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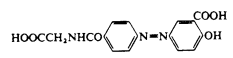
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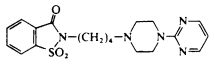
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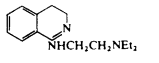
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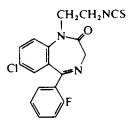
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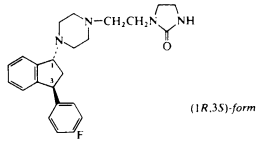
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I-00168

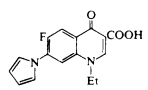


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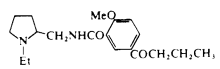


(1*R*,3*S*)-*form*

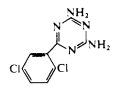
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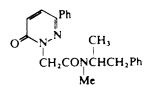
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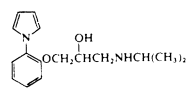
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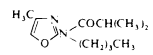
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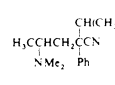
I-00174



I-00175



I-00176

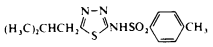


I-00177

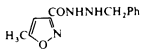


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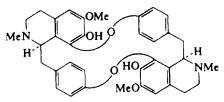
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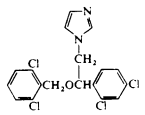
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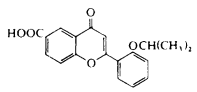
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I-00182



I-00183



I-00184

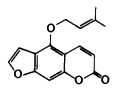
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I-00186

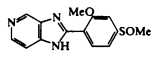
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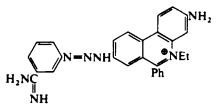
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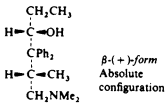
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I-00190

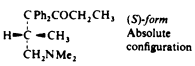


I-00191



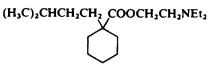
β-(+)-form
Absolute configuration

I-00192



(S)-form
Absolute configuration

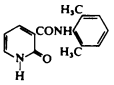
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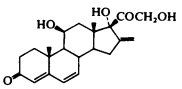
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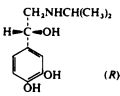
I-00195



I-00196

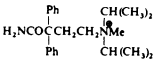


I-00197

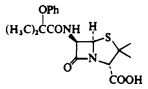


(R)-form

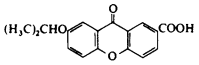
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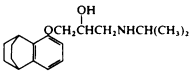
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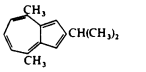
I-00200



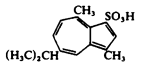
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I-00202



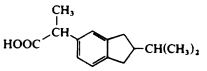
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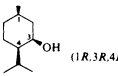
I-00205



I-00206

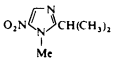


I-00207



(1R,3R,4R)-form

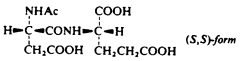
I-00208



I-00209

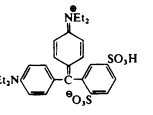


I-00210

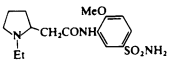


(S,S)-form

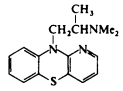
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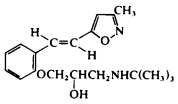
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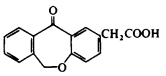
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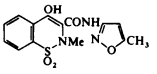
I-00214



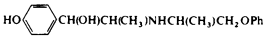
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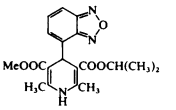
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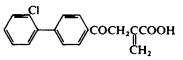
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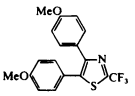
I-00218



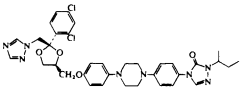
I-00219



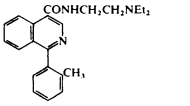
I-00220



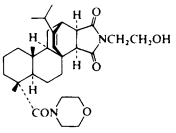
I-00221



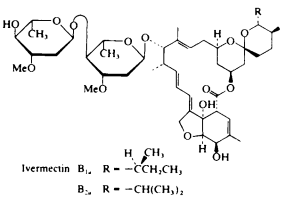
I-00222



I-00223



I-00224



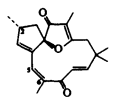
Ivermectin B_{1a} R = $-CCH_2CH_3$
B_{2a} R = $-CH(CH_3)_2$

I-00225

J

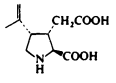


J-00001

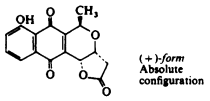


J-00002

K

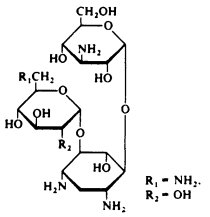


K-00001



(+)-*form*
Absolute configuration

K-00002

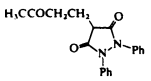


$R_1 = NH_2$
$R_2 = OH$

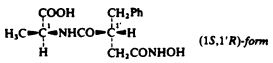
K-00004

As K-00004 with
$R_1 = R_2 = NH_2$

K-00005

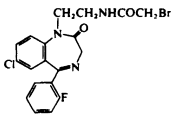


K-00006

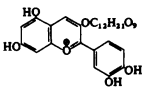


(1*S*,1'*R*)-*form*

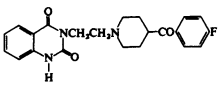
K-00007



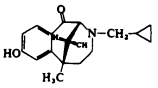
K-00008



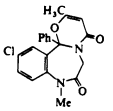
K-00009



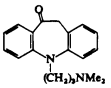
K-00010



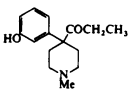
K-00011



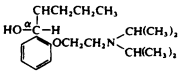
K-00012



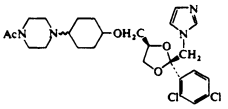
K-00013



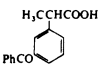
K-00014



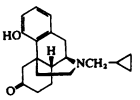
K-00015



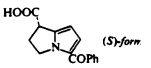
K-00016



K-00017

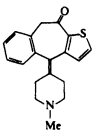


K-00018

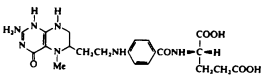


(*S*)-*form*

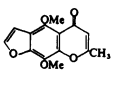
K-00019



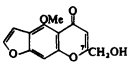
K-00020



K-00021

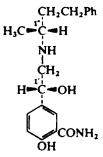


K-00022



K-00023

L

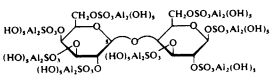


(1'*R*,1"*R*)-*form*

L-00001

$Ph_2C(OH)COOCH_2CH_2N^{\oplus}EtMe_2$

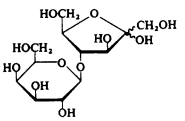
L-00002



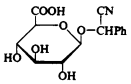
L-00003

$H_3CCH(OH)COOCH_2CH_2N^{\oplus}Me_3$

L-00004



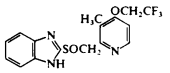
L-00005



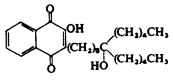
L-00006



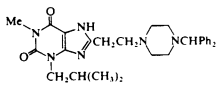
L-00007



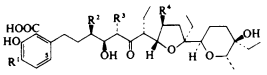
L-00008



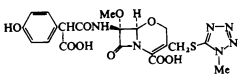
L-00009



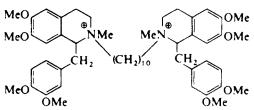
L-00010



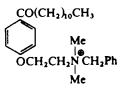
L-00011



L-00012



L-00013



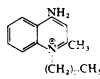
L-00014



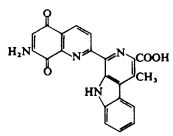
L-00015



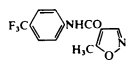
L-00016



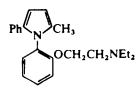
L-00017



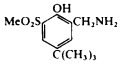
L-00018



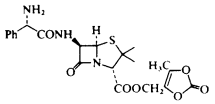
L-00019



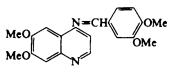
L-00020



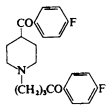
L-00021



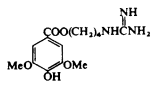
L-00022



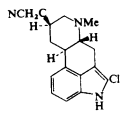
L-00023



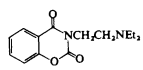
L-00024



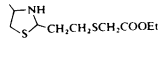
L-00025



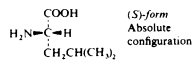
L-00026



L-00027

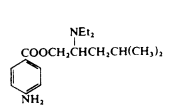


L-00028

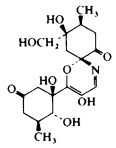


(*S*)-*form*
Absolute configuration

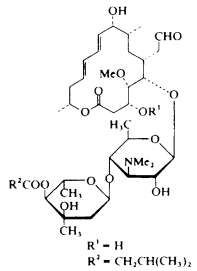
L-00029



L-00030



L-00031



$R^1 = H$
$R^2 = CH_2CH(CH_3)_2$

L-00032

As L-00032 with
$R^1 = Ac$, $R^2 = CH(CH_3)_2$

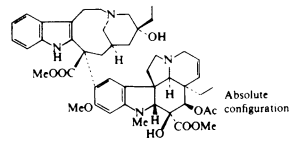
L-00033

As L-00032 with
$R^1 = H$, $R^2 = CH(CH_3)_2$

L-00034

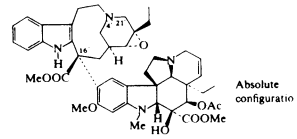
H-5-oxoPro-His-Trp-Ser-Tyr-D-Leu-Leu-Arg-Pro-NHEt

L-00035



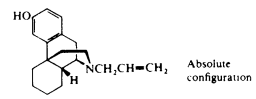
Absolute configuration

L-00036



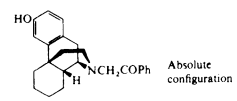
Absolute configuration

L-00037



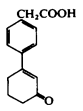
Absolute configuration

L-00038

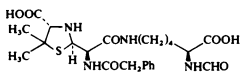


Absolute configuration

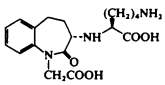
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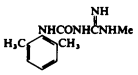
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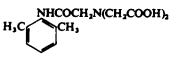
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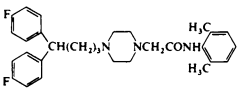
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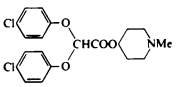
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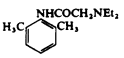
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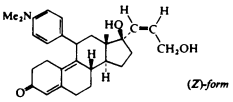
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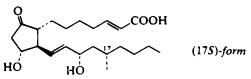
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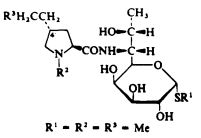
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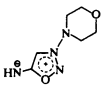
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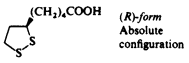
L-00050



L-00051



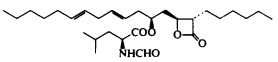
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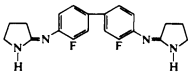
L-00053

Linear peptide with 90 aminoacid residues. For full struct. see Chrêtien, M. *et al*, *Nature* (*London*), 1965, **208**, 1093

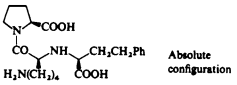
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L-00055



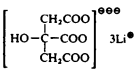
L-00056



L-00057

Li_2CO_3

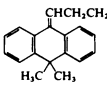
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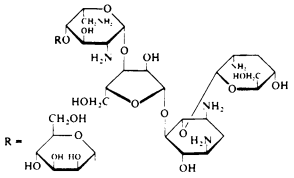
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LiOH

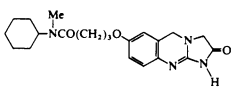
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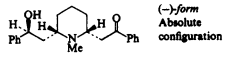
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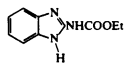
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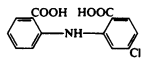
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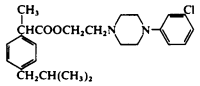
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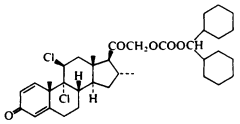
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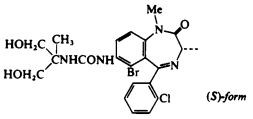
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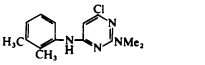
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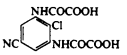
L-00068



L-00069



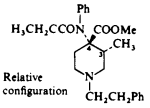
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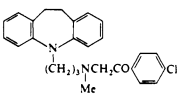
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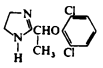
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L-00073



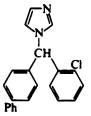
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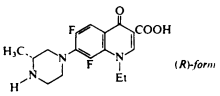
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L-00076



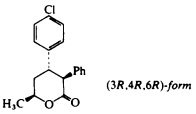
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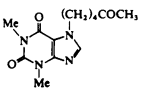
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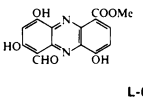
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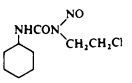
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L-00081



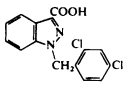
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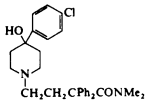
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L-00084

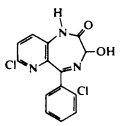
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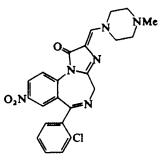
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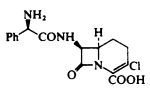
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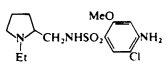
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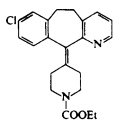
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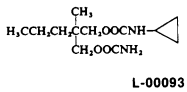
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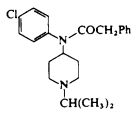
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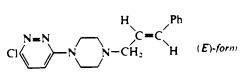
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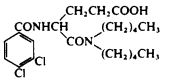
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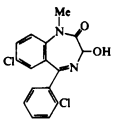
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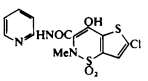
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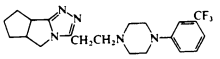
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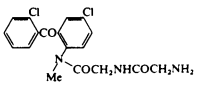
L-00097



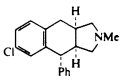
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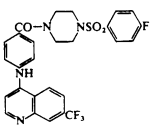
L-00099



L-00100



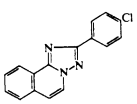
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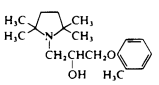
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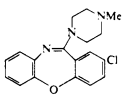
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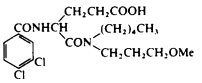
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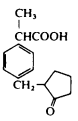
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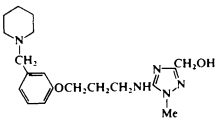
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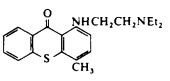
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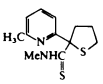
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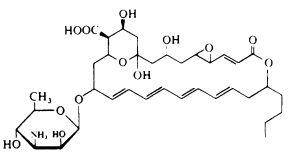
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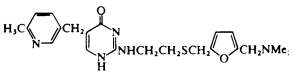
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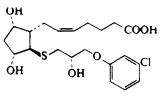
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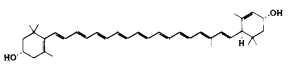
L-00112



L-00113



L-00114



L-00115

pyroGlu-His-Trp-Ser-Tyr-Gly-Leu-Arg-Pro-GlyNH$_2$

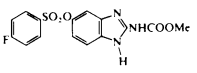
L-00116



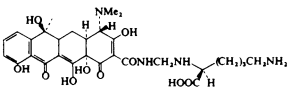
L-00117

A glycoprotein consisting of two subunits designated α and β. It contains about 20% carbohydrate residues. Ovine LH-α is a polypeptide chain of 96 amino-acid residues having two carbohydrate moeities attached to asparagine residues at positions 56 and 82. There are spp. variations in the chain-length and sequencing of the α-chain but the points of attachment of the carbohydrate moeities appear to be species-invariant. Thus human LH-α has 7 residues less at the *N*-terminal end and approx. 70% structural correspondence with ovine LH-β in the rest of the chain. Ovine LH-β contains 119 amino-acid residues with a single carbohydrate moeity attached at asparagine residue 13. Human LH-β has 115 residues, 77 of which are identical with those of Ovine LH-β

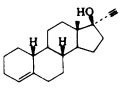
L-00118



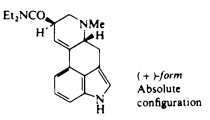
L-00119



L-00120

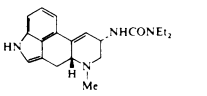


L-00121



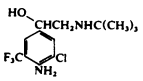
(+)-*form*
Absolute configuration

L-00122

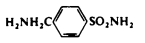


L-00124

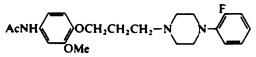
M



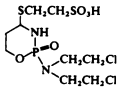
M-00001



M-00002



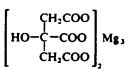
M-00003



M-00004

$MgCO_3$

M-00006



M-00007

$Mg(OH)_2$

M-00008

$Mg_3(PO_4)_2$

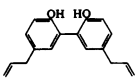
M-00009

$MgSO_4$

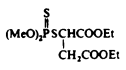
M-00010

$2MgO\ 3SiO_2$

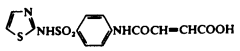
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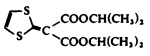
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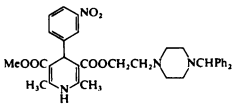
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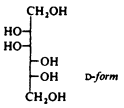
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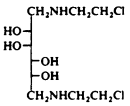
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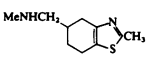
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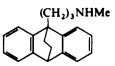
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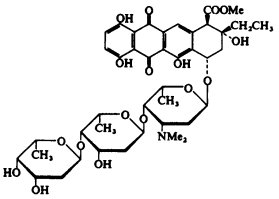
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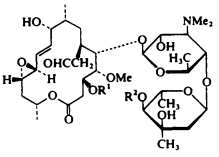
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M-00021

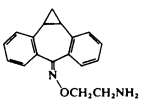


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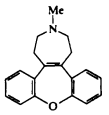


$R^1 = R^2 = COCH_2CH_3$

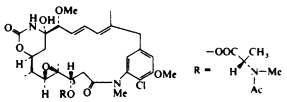
M-00023



M-00024



M-00025

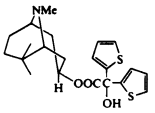


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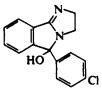
As M-00026 with

R = H

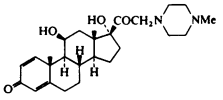
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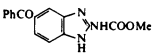
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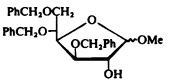
M-00029



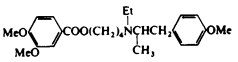
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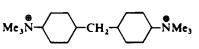
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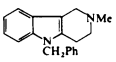
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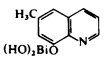
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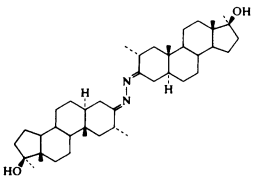
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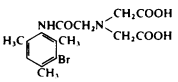
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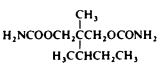
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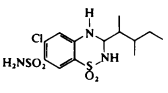
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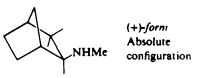
M-00038



M-00039

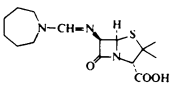


M-00040

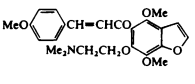


(+)-form
Absolute configuration

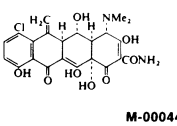
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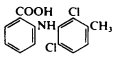
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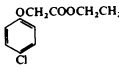
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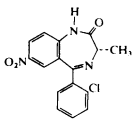
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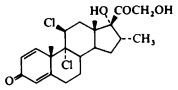
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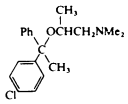
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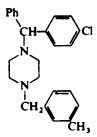
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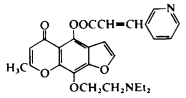
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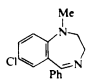
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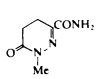
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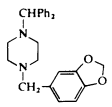
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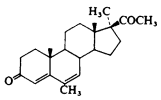


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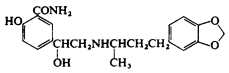


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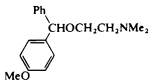
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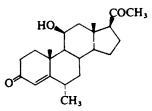
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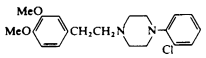
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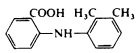
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M-00060



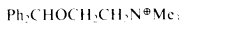
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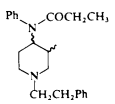
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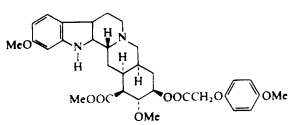
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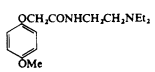
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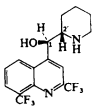
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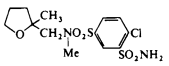
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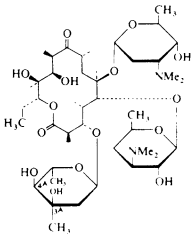
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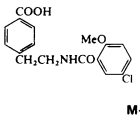
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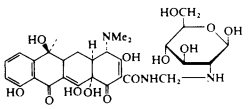
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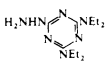
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M-00071



M-00072



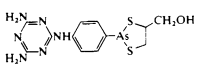
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Pro-Leu-Gly-NH$_2$

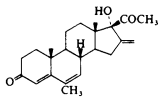
M-00074

R-Asp^1-Glu^2-Gly^3-Pro^4-Tyr^5-Lys^6-Met^7-Glu^8-His^9-Phe^{10}-Arg^{11}-Trp^{12}-Gly^{13}-Ser^{14}-Pro^{15}-Pro^{16}-Lys^{17}-Asp^{18}-OH
Porcine β-melanotropin: R = H
Bovine: [Ser^2], R = H
Monkey: [Arg^6], R = H
Equine: [Arg^{16}], R = H
Human: [Asp^1,Arg^6], R = H-Ala-Glu-Lys-Lys-

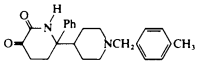
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M-00077



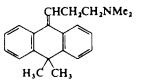
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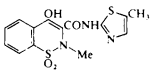
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$H_3C(CH_2)_4CH{=}CHCH_2CH{=}CH(CH_2)_7CONHCH(CH_3)Ph$

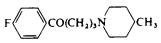
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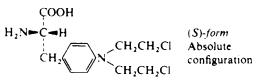
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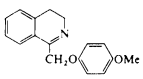
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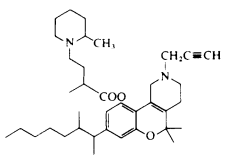
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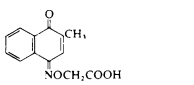
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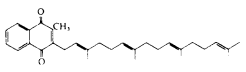
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M-00086



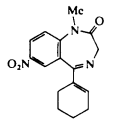
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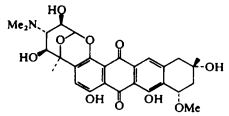
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M-00089

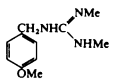
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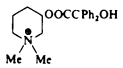
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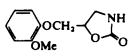
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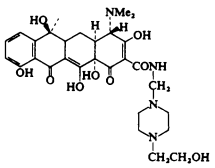
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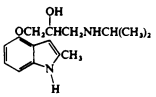
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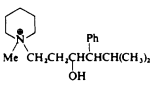
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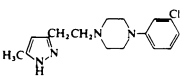
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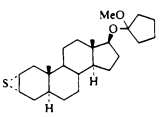
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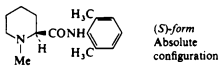
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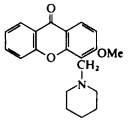


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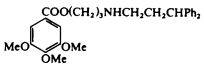


(*S*)-*form*
Absolute
configuration

M-00101



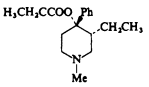
M-00102



M-00103

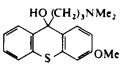
$(H_2NCOOCH_2)_2C(CH_3)CH_2CH_2CH_3$

M-00104

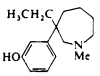


(*3R,4S*)-*form*

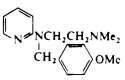
M-00105



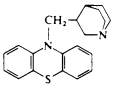
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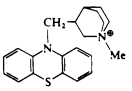
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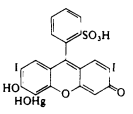
M-00108



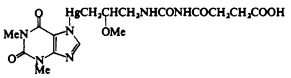
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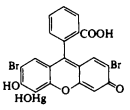
M-00110



M-00111



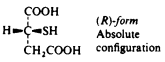
M-00112



M-00113



M-00114



(*R*)-*form*
Absolute
configuration

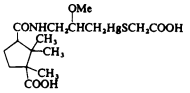
M-00115

$HSCH_2CH_2SO_3H$

M-00116



M-00117



M-00118



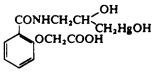
M-00119

$H_3CCH(SH)CONHCH_2COOH$

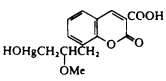
M-00120



M-00121



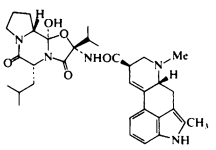
M-00122



M-00123

$Hg(NH_2)Cl$

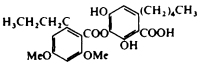
M-00124



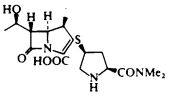
M-00125

$H_3CCH(OH)CH_2HgOH$

M-00126



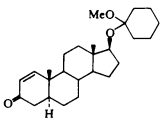
M-00127



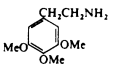
M-00128

$HSCH_2CONHCH_2CONHCH_2CONHCH$
$COOH$

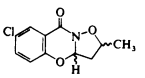
M-00129



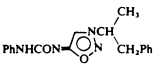
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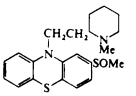
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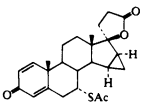
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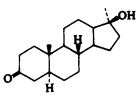
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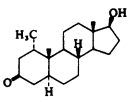
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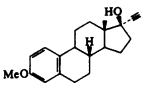
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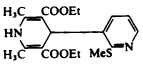
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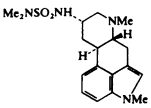
M-00137



M-00138



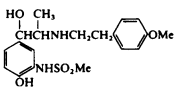
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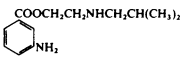
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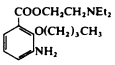
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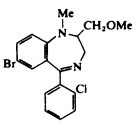
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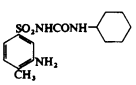
M-00143



M-00144



M-00145



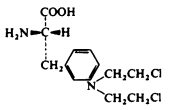
M-00146



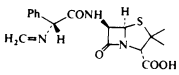
M-00147



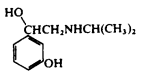
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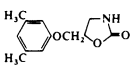
M-00149



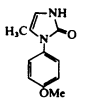
M-00150



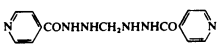
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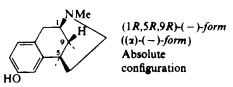
M-00152



M-00153

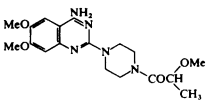


M-00154

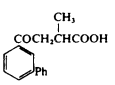


(1*R*,5*R*,9*R*)-(−)-*form*
((±)-(−)-*form*)
Absolute configuration

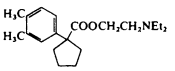
M-00155



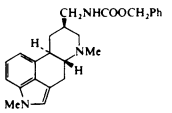
M-00156



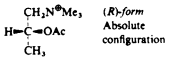
M-00157



M-00158

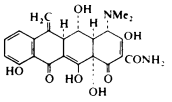


M-00159

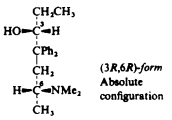


(*R*)-*form*
Absolute configuration

M-00160

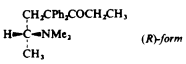


M-00161



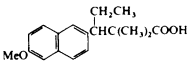
(3*R*,6*R*)-*form*
Absolute configuration

M-00162



(*R*)-*form*

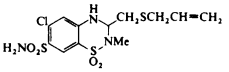
M-00163



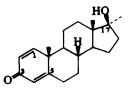
M-00164



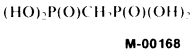
M-00165



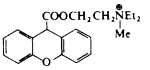
M-00166



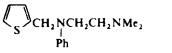
M-00167



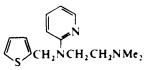
M-00168



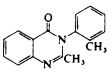
M-00169



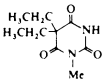
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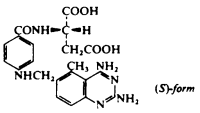
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M-00172

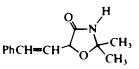


M-00173



(*S*)-*form*

M-00174



M-00175

M-00176

M-00177

M-00178

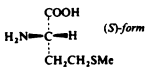
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M-00180

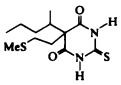
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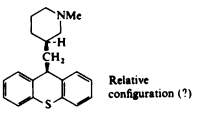
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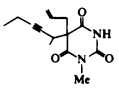
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M-00184



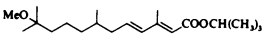
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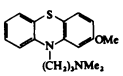
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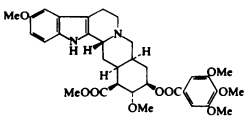
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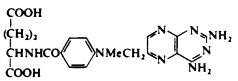
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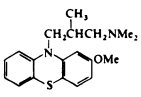
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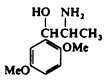
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M-00192



M-00193



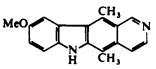
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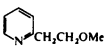
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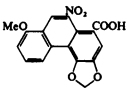
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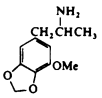
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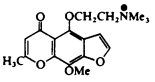
M-00199



M-00200



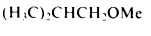
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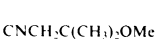
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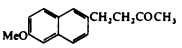
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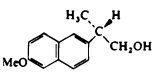
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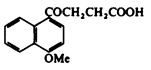
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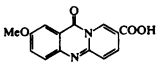
M-00206



M-00207



M-00208



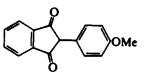
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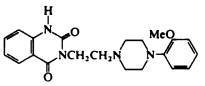
M-00210



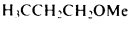
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M-00212



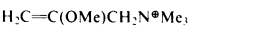
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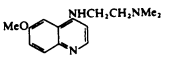
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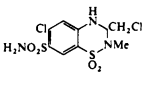
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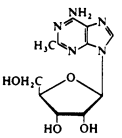
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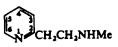
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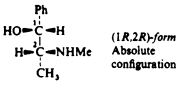
M-00218



M-00219



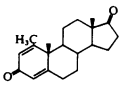
M-00220



M-00221



M-00222



M-00223

M-00224

M-00225

M-00226

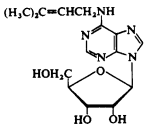
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M-00229

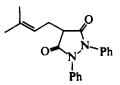
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M-00232

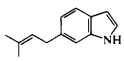
M-00233



M-00234



M-00235



M-00236

$(H_3C)_2CHCH_2CH_2ONO$

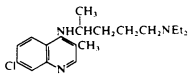
M-00237

MeNHCOOH

M-00238



M-00239



M-00240

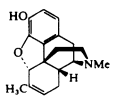
As V-00059 with

R = Me, R′ = $CONH_2$

M-00241



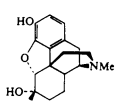
M-00242



M-00243

$(PhCH_2)_2NMe$

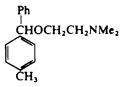
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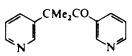
M-00245



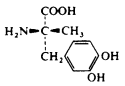
M-00246



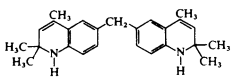
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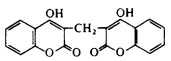
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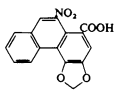
M-00249



M-00250



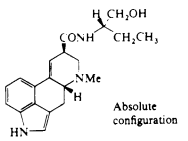
M-00251



M-00252

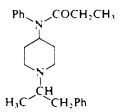


M-00253



Absolute configuration

M-00254



M-00255

$(H_3C)_2C{=}CHCH_2CH_2CH(NH_2)CH_3$

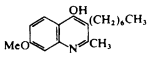
M-00256

$(H_3C)_2CHCH_2CH_2CH_2CH(NH_2)CH_3$

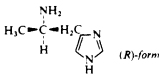
M-00257

$H_3C(CH_2)_3CH(CH_3)NHNH_2$

M-00258



M-00259



(*R*)-form

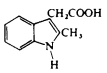
M-00260



M-00261

$CH(SCH_2COOH)_2$

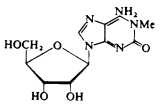
M-00262



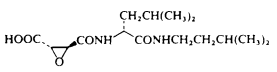
M-00263



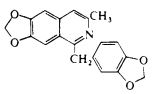
M-00264



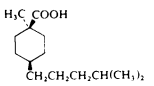
M-00265



M-00266



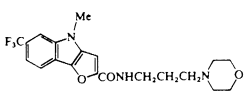
M-00267



M-00268

$PhOCH_2CH(CH_3)NHCH(CH_3)CH_2Ph$

M-00269



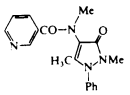
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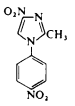
M-00271



M-00272



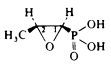
M-00273



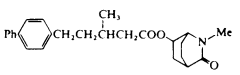
M-00274



M-00275



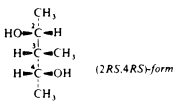
M-00276



M-00277

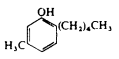


M-00278

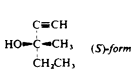


(2*RS*,4*RS*)-form

M-00279



M-00280

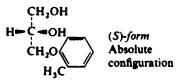


(*S*)-form

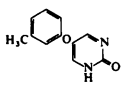
M-00281

$PhOCH_2CH(CH_3)NHNH_2$

M-00282



M-00283



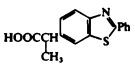
M-00284



M-00285



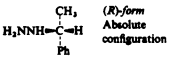
M-00286



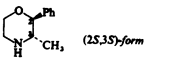
M-00287

$(H_3C)_2C(NH_2)CHPhCH_3$

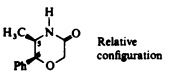
M-00288



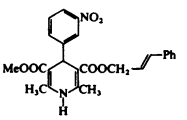
M-00289



M-00290



M-00291



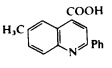
M-00292



M-00293



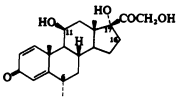
M-00294



M-00295



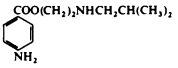
M-00296



M-00297



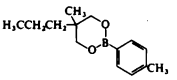
M-00298



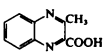
M-00299

$H_2C{=}C(CN)COOCH_2CH(CH_3)_2$

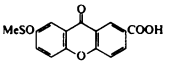
M-00300



M-00301



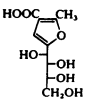
M-00304



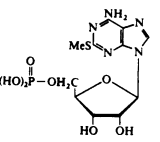
M-00305

$MeSO_2(CH_2)_9CN$

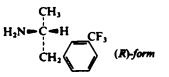
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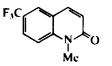
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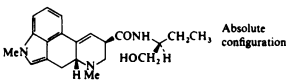
M-00311



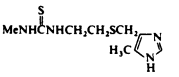
M-00312



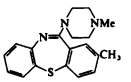
M-00314



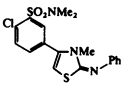
M-00315



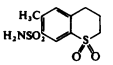
M-00316



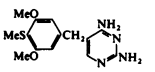
M-00317



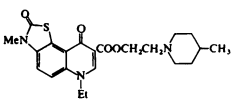
M-00318



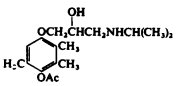
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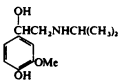
M-00320



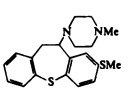
M-00321



M-00322



M-00323



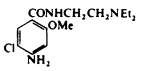
M-00324

H-Tyr-D-Ala-Gly-Phe-(N^2-MeMet)-NH_2

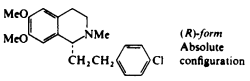
M-00325

$Ph_2C(OH)COOCH_2CH_2NMe_3^{\oplus}$

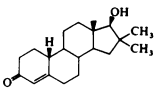
M-00326



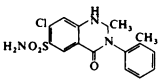
M-00327



M-00328



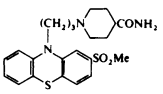
M-00329



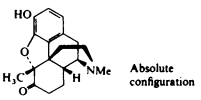
M-00330



M-00331



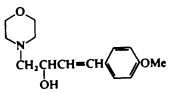
M-00332



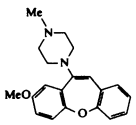
M-00333

M-00334

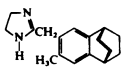
M-00335



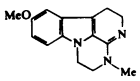
M-00337



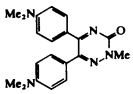
M-00338



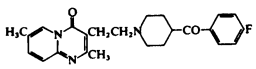
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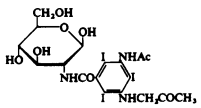
M-00340



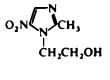
M-00341



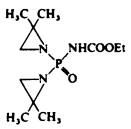
M-00342



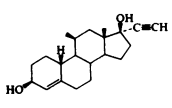
M-00343



M-00344



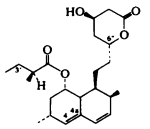
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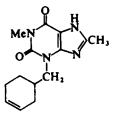
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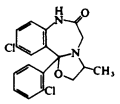
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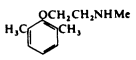
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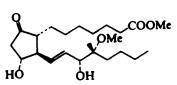
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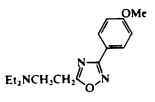
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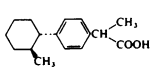
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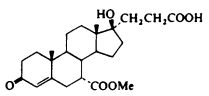
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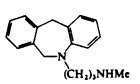
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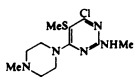
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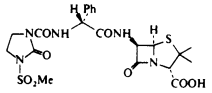
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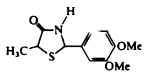
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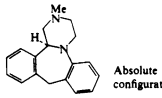
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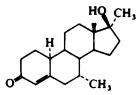


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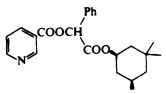


Absolute configuration

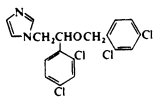
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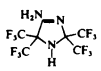
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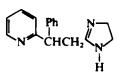
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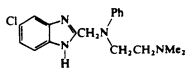
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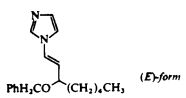
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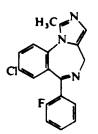


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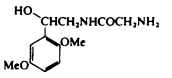


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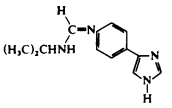
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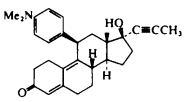
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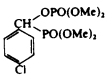
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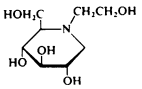
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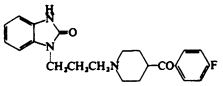
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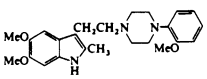
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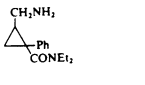
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M-00374



M-00375

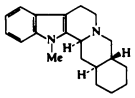


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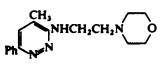
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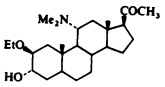
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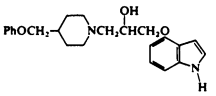
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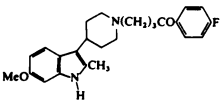
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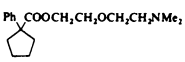
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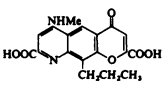
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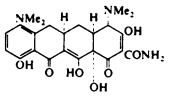
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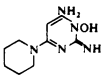
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M-00386



M-00387



M-00388

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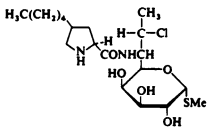
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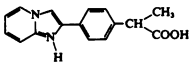
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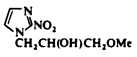
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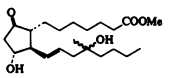
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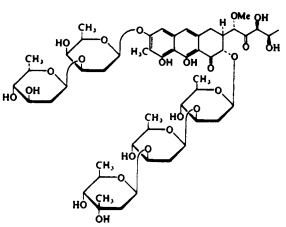
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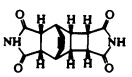
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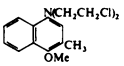
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M-00397



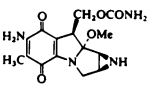
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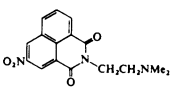
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For complete struct., see reference

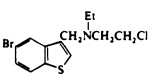
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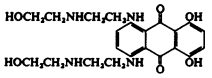
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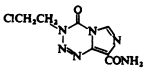
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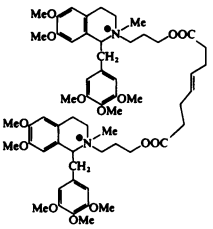
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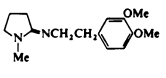
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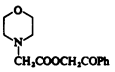
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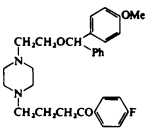
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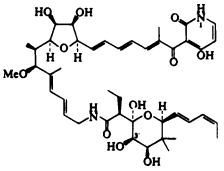
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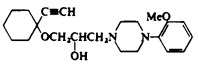
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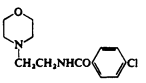
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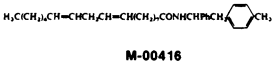
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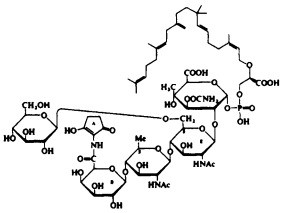
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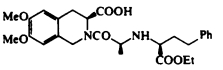
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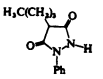
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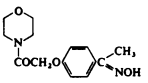
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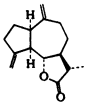
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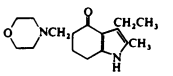
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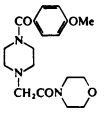
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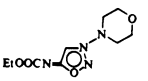
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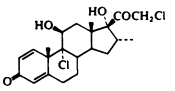
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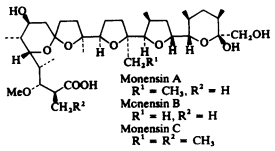
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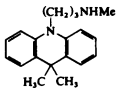
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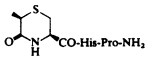
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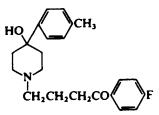
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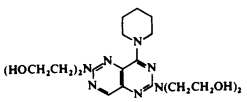
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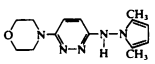
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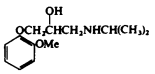
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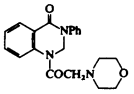
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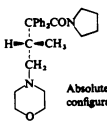
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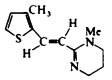
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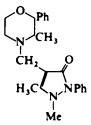
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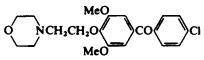
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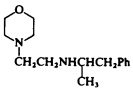
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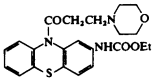
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M-00440



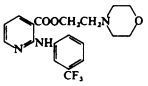
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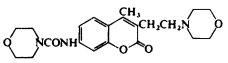
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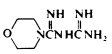
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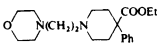
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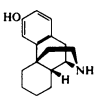
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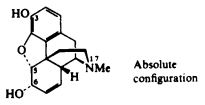
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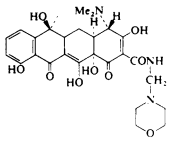
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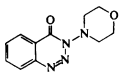
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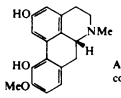
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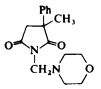
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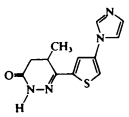
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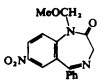
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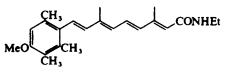
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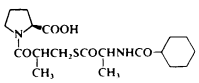
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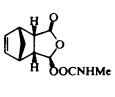
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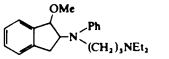
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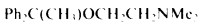
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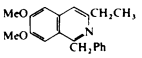
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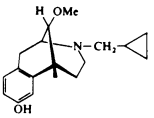
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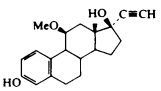
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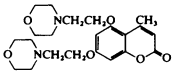
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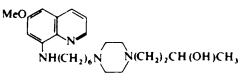
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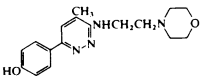
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M-00464



M-00465



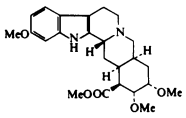
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M-00467

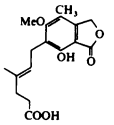
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M-00469

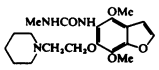
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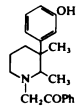
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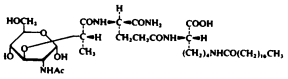
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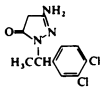
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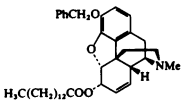
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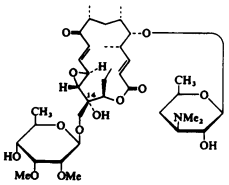
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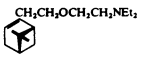
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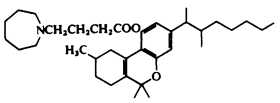


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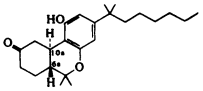


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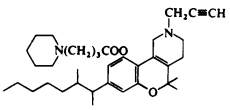
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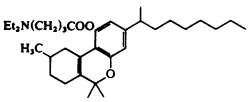
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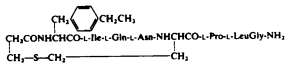
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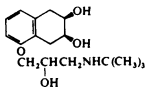
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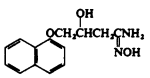
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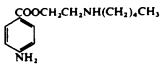
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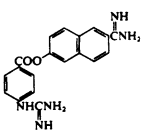
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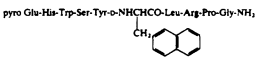
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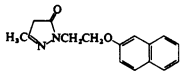
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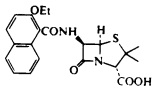
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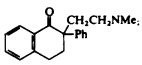
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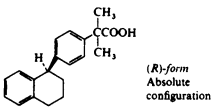
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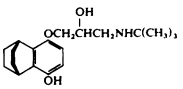


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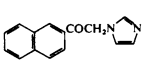


(*R*)-*form*
Absolute configuration

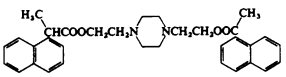
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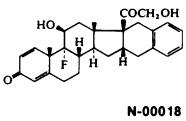
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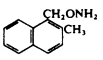
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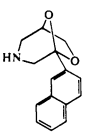
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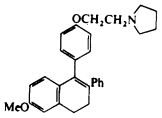
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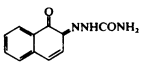
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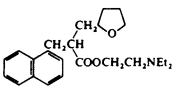
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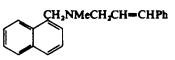
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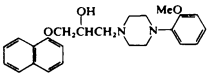
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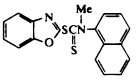
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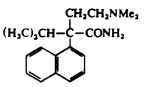
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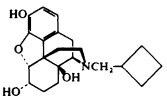
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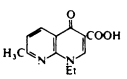
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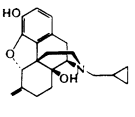
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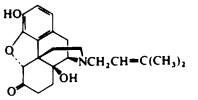
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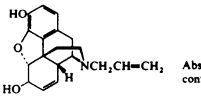
N-00029



N-00030

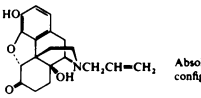


N-00031



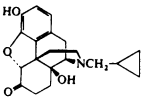
Absolute configuration

N-00032

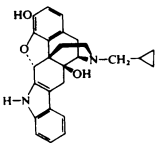


Absolute configuration

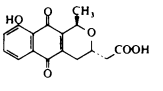
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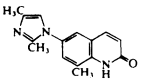
N-00034



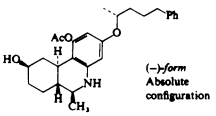
N-00035



N-00036

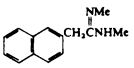


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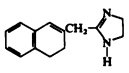


(–)-*form*
Absolute configuration

N-00038



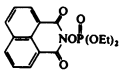
N-00039



N-00040



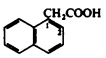
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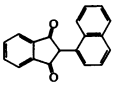
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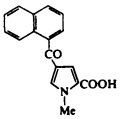
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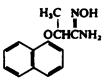
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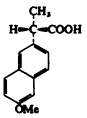
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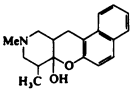
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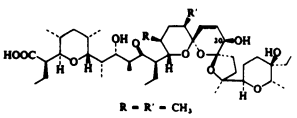
N-00047



N-00048

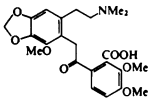


N-00049

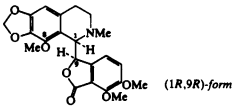


R = R' = CH$_3$

N-00050

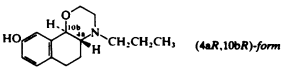


N-00051



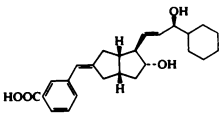
(1*R*,9*R*)-*form*

N-00052

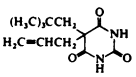


(4a*R*,10b*R*)-*form*

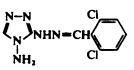
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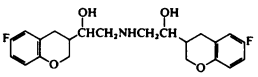
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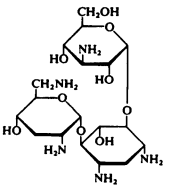
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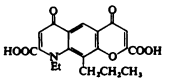
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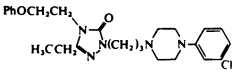
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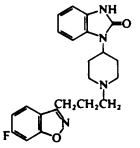
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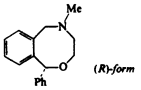
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N-00061

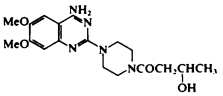


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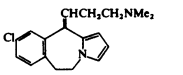


(*R*)-*form*

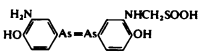
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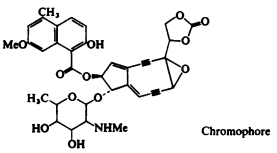
N-00064



N-00065

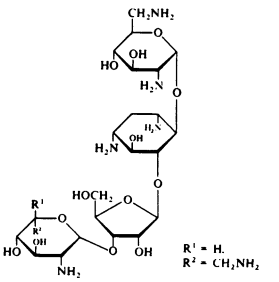


N-00066



Chromophore

N-00067



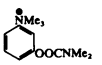
R^1 = H, R^2 = CH$_2$NH$_2$

N-00068

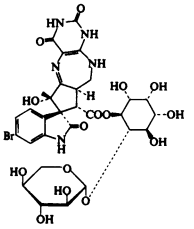
As N-00068 with

R^1 = CH$_2$NH$_2$, R^2 = H

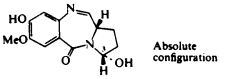
N-00069



N-00070

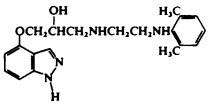


N-00071

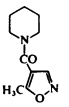


Absolute configuration

N-00072



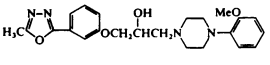
N-00073



N-00074



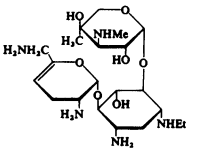
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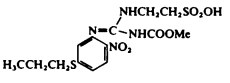
N-00076



N-00077



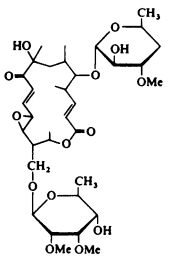
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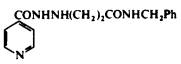
N-00079

H-5-OxoPro-Leu-Tyr-Glu-Asn-Lys-Pro-Arg-Arg-Pro-Tyr-Ile-Leu-OH

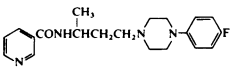
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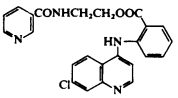
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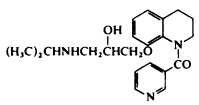
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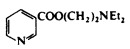
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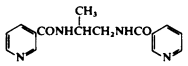
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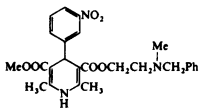
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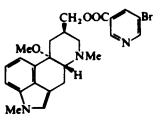
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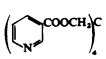
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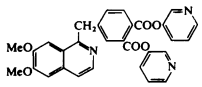
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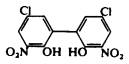
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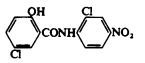
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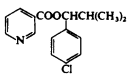
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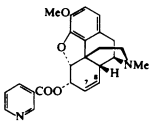
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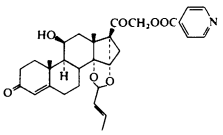
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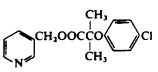
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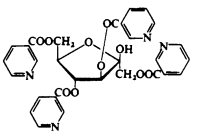
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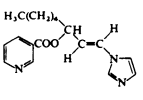
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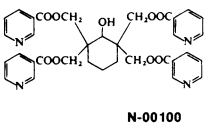
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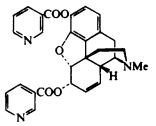
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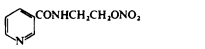
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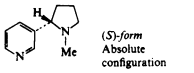
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N-00101

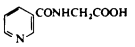


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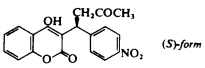


(*S*)-*form*
Absolute configuration

N-00103

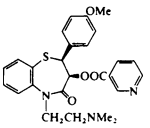


N-00104

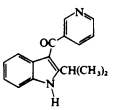


(*S*)-*form*

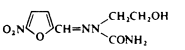
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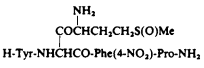
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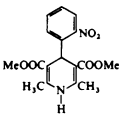
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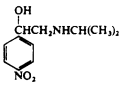
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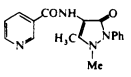
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N-00110



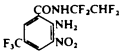
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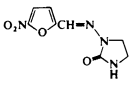
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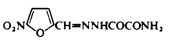
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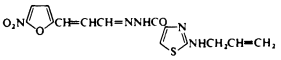
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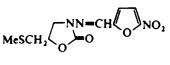
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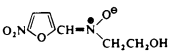
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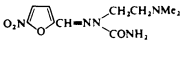
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N-00118



N-00119

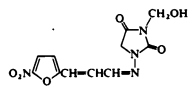


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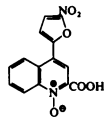
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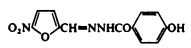
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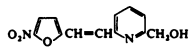
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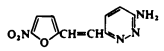
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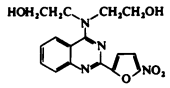
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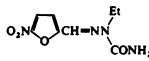
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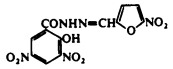
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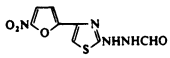
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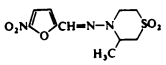
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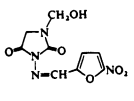
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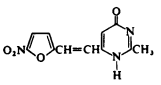
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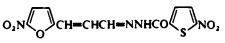
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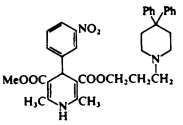
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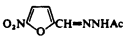
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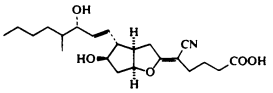
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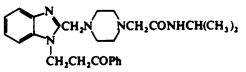
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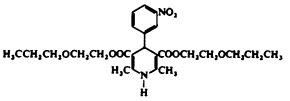
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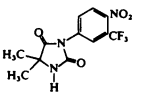
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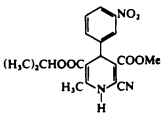
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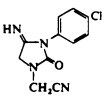
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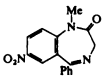
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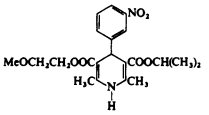
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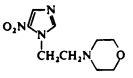
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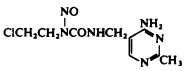
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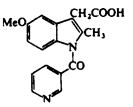
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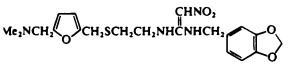
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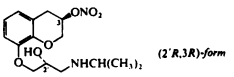
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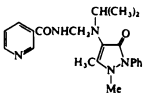


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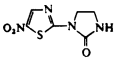


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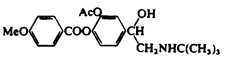
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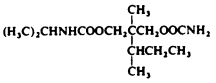
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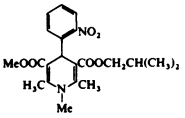
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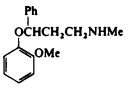
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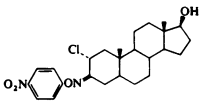
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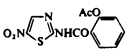
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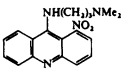
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N-00161



N-00162



N-00163

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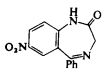
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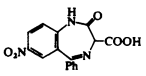
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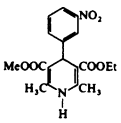
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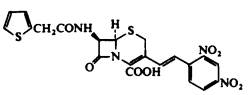
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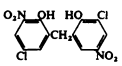
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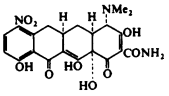
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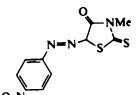
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N-00174



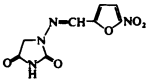
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N-00176



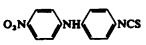
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N-00178



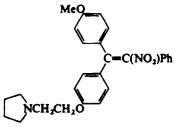
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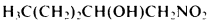
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N-00181



N-00182



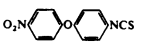
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N-00184



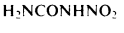
N-00185



N-00186



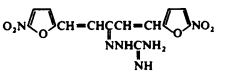
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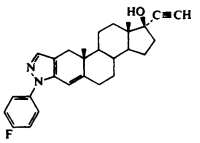
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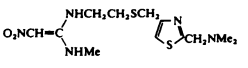
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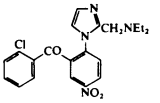
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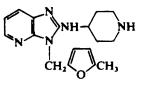
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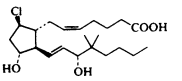
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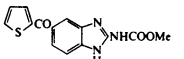
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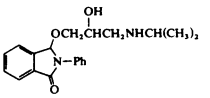
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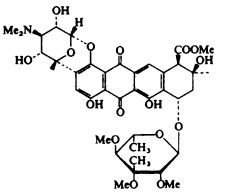
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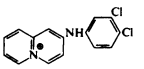
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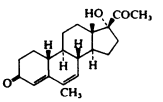
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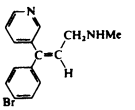
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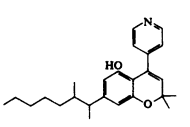
N-00199



N-00200



N-00201

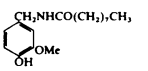


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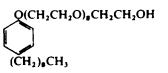
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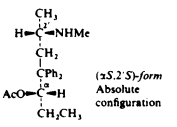
N-00204



N-00205

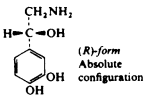


N-00206



(2*S*,2′*S*)-*form* Absolute configuration

N-00207



(*R*)-*form* Absolute configuration

N-00208

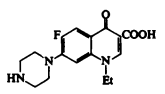
N-00209

N-00210

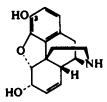
N-00211

N-00212

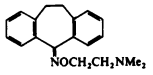
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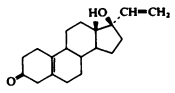
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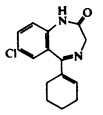
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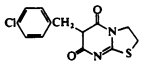
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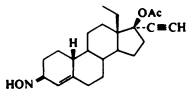
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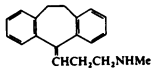
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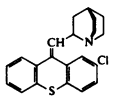
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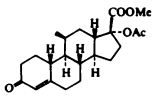
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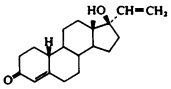
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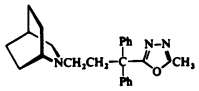
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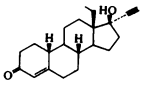
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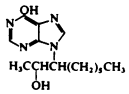
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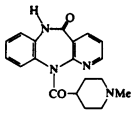
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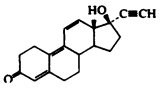
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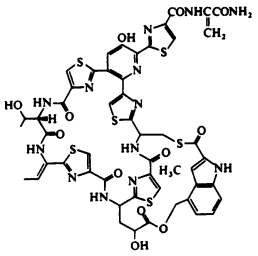
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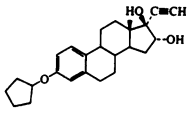
N-00233



N-00219



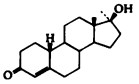
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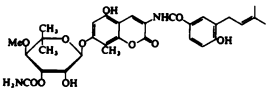
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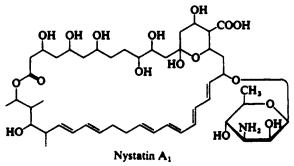
N-00220



N-00221



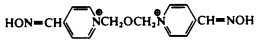
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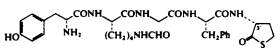
Nystatin A_1

N-00235

O



O-00001



O-00002



O-00004

$PhNHCOCH_2CH(CH_3)NEt_2$

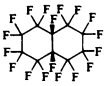
O-00005

Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asp-Ala-Gly-Glu

O-00006

$H_3C(CH_2)_4CH{=}CHCH_2CH{=}CH(CH_2)_7COOH$

O-00007



cis-form

O-00008

$H_3C(CH_2)_4(CH{=}CHCH_2)_3(CH_2)_3COOH$

O-00009

$H_3C(CH_2)_7CH{=}CH(CH_2)_7COOH$

O-00010

$H_3C(CH_2)_7CH{=}CH(CH_2)_7CH_2NH_2$

O-00011

$H_3C(CH_2)_{16}CH_2NH_2$

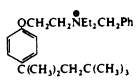
O-00012

$(H_3C)_2CHCH_2CH_2NHCH(CH_3)(CH_2)_3CH(CH_3)_2$

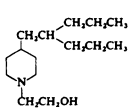
O-00013

$H_3C(CH_2)_6COOH$

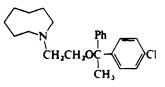
O-00014



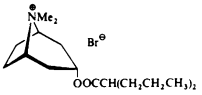
O-00015



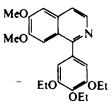
O-00016



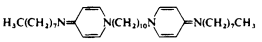
O-00017



O-00018



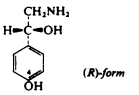
O-00019



O-00020

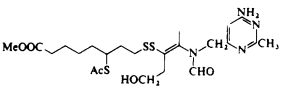
$Ph_2C(OH)\text{-}COOCH_2CH_2N^{\oplus}(Me)_2(CH_2)_7CH_3$

O-00021

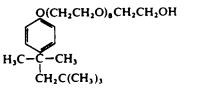


(R)-form

O-00022



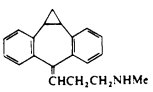
O-00023



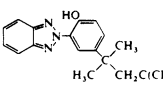
O-00024

H-D-Phe-Cys-Phe-D-Trp-Lys-Thr-Cys-Thr-ol

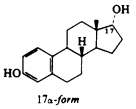
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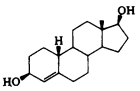
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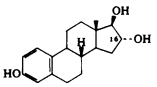
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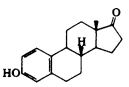
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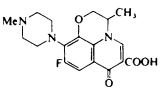
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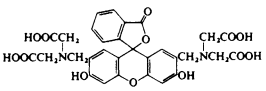
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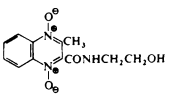
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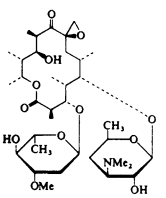
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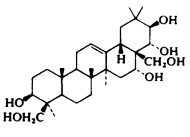
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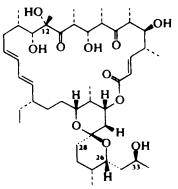
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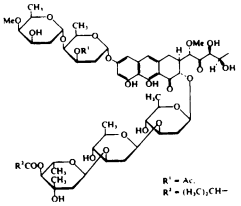
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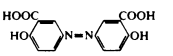
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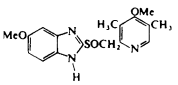
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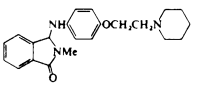
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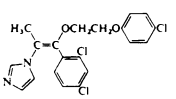
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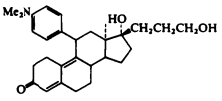


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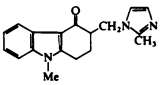


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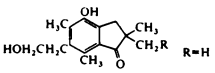




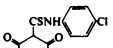
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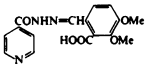
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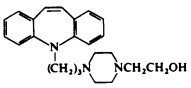
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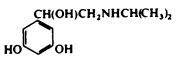
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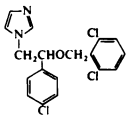
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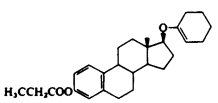
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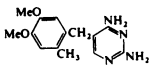
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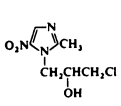
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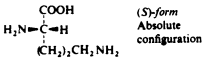
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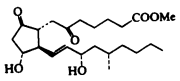
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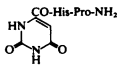
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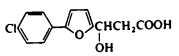
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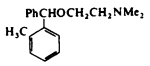
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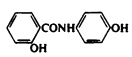
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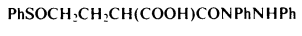
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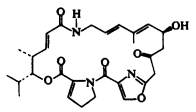
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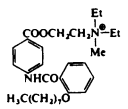
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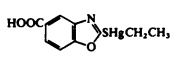
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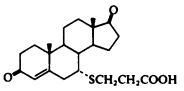
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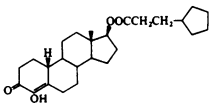
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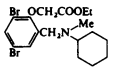
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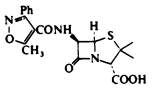
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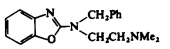
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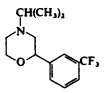
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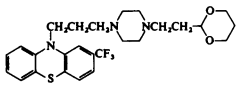
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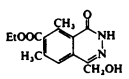
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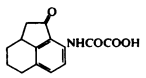
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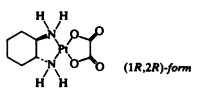
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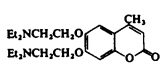


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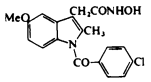


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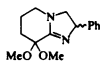
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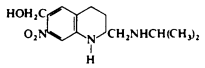
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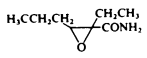
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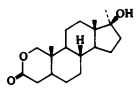
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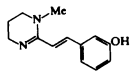
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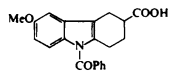
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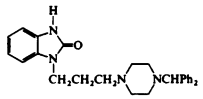
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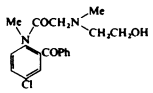
O-00092



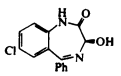
O-00093



O-00094

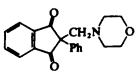


O-00095

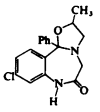


(*R*)-*form* Absolute configuration

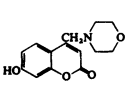
O-00096



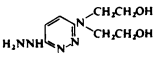
O-00097



O-00098



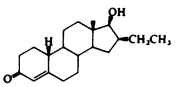
O-00099



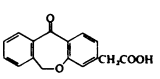
O-00100

$(H_3CCH_2)_2CPhCOOCH_2CH_2OCH_2CH_2NEt_2$

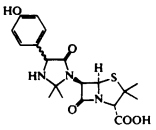
O-00101



O-00102



O-00103



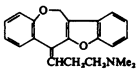
O-00104



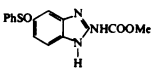
O-00105

$[PhCH_2C(CH_3)_2NMeCOCH_2]_2NCH_2CH_2OH$

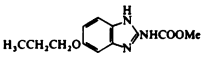
O-00106



O-00107



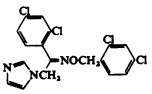
O-00108



O-00109

$HOCH_2CH_2N^{\oplus}Me_2CH_2COO^{\ominus}$

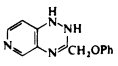
O-00110



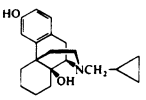
O-00111

$PhCH_2CH(CH_3)N(O)MeCH_2Ph$

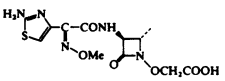
O-00112



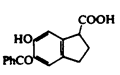
O-00113



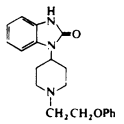
O-00114



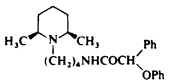
O-00115



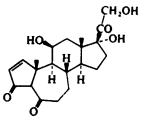
O-00116



O-00117



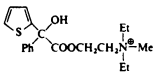
O-00118



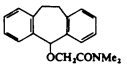
O-00119



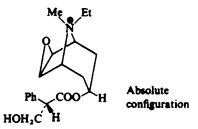
O-00120



O-00121

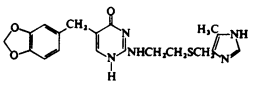


O-00122

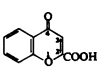


Absolute configuration

O-00123



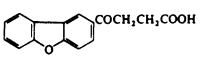
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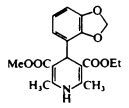
O-00125



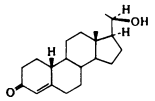
O-00126



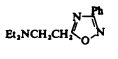
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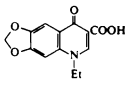
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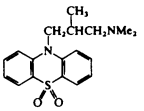
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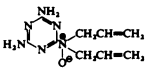
O-00130



O-00131



O-00132



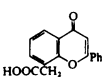
O-00133

$H_3CCOCH_2CH_2COOH$

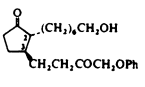
O-00134



O-00135



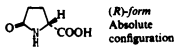
O-00136



O-00137

O-00138

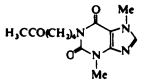
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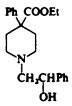
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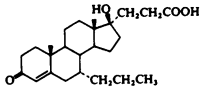
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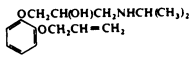
O-00142



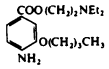
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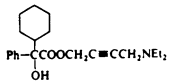
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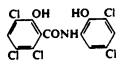
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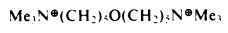
O-00146



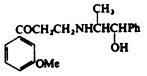
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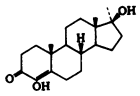
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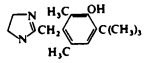
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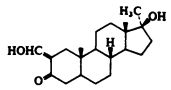
O-00151



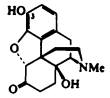
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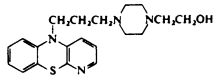
O-00153



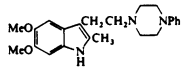
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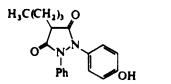
O-00155



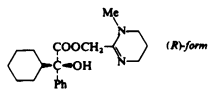
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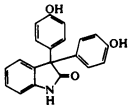
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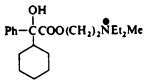
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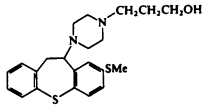
O-00159



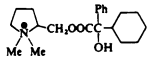
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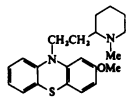
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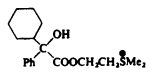
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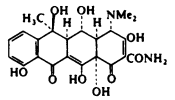
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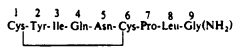
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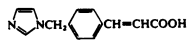
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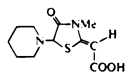
O-00166



O-00167

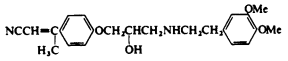


O-00168

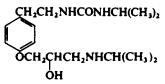


O-00169

P



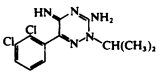
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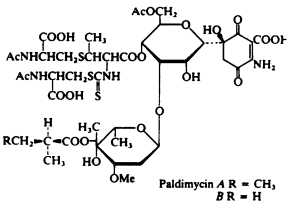
P-00002

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P-00003



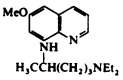
P-00004



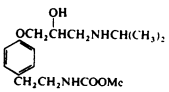
P-00005

$H_3C(CH_2)_{14}CONHCH_2CH_2OH$

P-00006



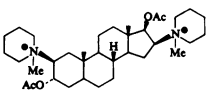
P-00007



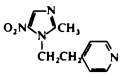
P-00008

$H_2NCH_2CH_2C(OH)(PO_3H_2)_2$

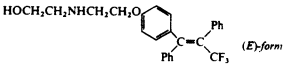
P-00009



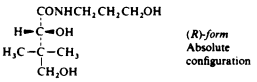
P-00012



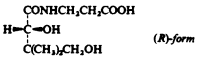
P-00013



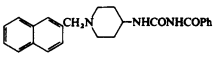
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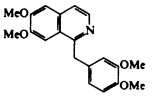
P-00015



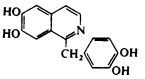
P-00016



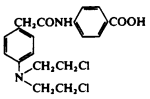
P-00017



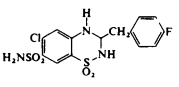
P-00019



P-00020



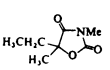
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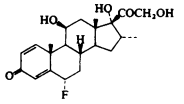
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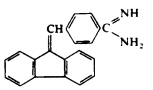
P-00023



P-00024



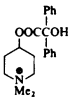
P-00025



P-00026



P-00027



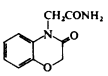
P-00028



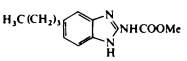
P-00029

Structure consists of a single-chain polypeptide of 84 amino acid residues. Sequence varies slightly among mammalian spp.

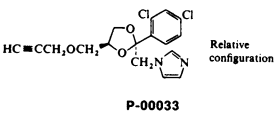
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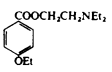
P-00031



P-00032



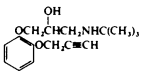
P-00033



P-00034

$HC{\equiv}CCH_2OCPh_2COOCH_2CH_2NMe_2$

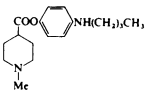
P-00035



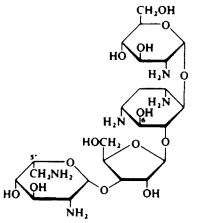
P-00036

$PhCH_2NMeCH_2C{\equiv}CH$

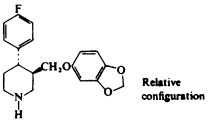
P-00037



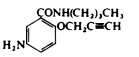
P-00038



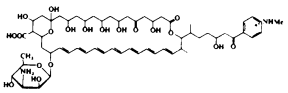
P-00039



P-00040



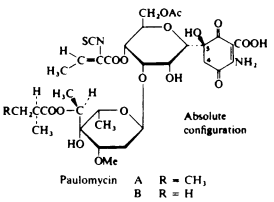
P-00041



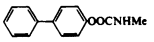
P-00042



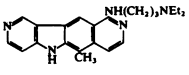
P-00043



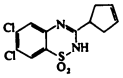
P-00044



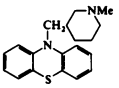
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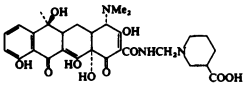
P-00046



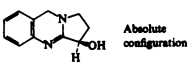
P-00047



P-00048



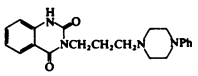
P-00049



P-00050

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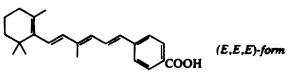
P-00051



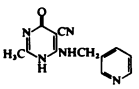
P-00052

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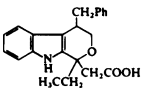
P-00053



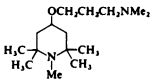
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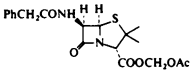
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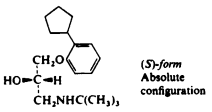
P-00056



P-00057



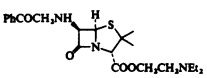
P-00058



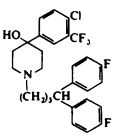
P-00059

$H_3C(CH_2)_{14}CONH$-
$(CH_2)_3N^{\oplus}Me_2CH_2COO^{\ominus}$

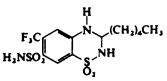
P-00060



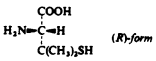
P-00061



P-00062



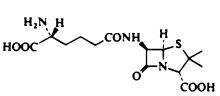
P-00063



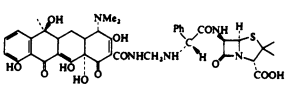
P-00064



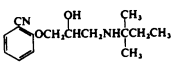
P-00065



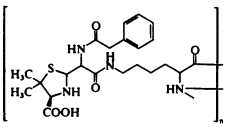
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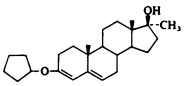
P-00069



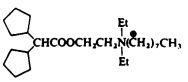
P-00070



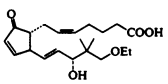
P-00071



P-00072



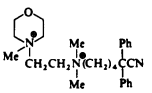
P-00073



P-00074

H-D-Ser-Tyr-Ser-Nle-Glu-His-Phe-Arg-
Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-
Arg-Pro-Val-Lys-Val-Tyr-Pro-^{35}ValNH$_2$

P-00075



P-00076

$C(CH_2OH)_4$

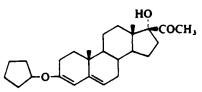
P-00077

$C(CH_2ONO_2)_4$

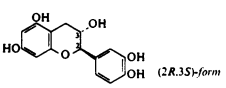
P-00078

BOC-β-Ala-L-Trp-L-Met-L-Asp-L-Phe-
(NH_2)

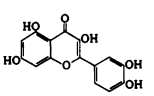
P-00079



P-00080



P-00081



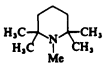
P-00082

$Fe(CN)_5NO^{\ominus\ominus}$

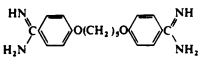
P-00083

$Me_3N^{\oplus}(CH_2)_5N^{\oplus}Me_3$

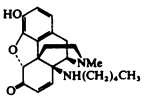
P-00084



P-00085



P-00086



P-00087



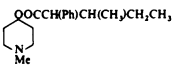
P-00088

$(H_3C)_3CCH_2NHCON(NO)CH_2CH_2Cl$

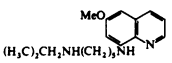
P-00089

$OHCCH_2CH_2CH_2CHO$

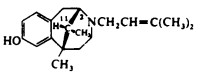
P-00090



P-00091



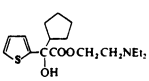
P-00092



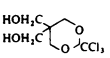
P-00093

$[(HOOCCH_2)_2NCH_2CH_2]_2NCH_2COOH$

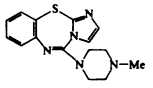
P-00094



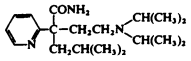
P-00095



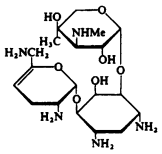
P-00096



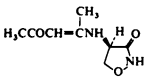
P-00097



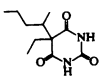
P-00098



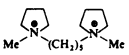
P-00099



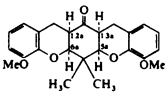
P-00100



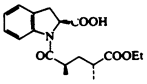
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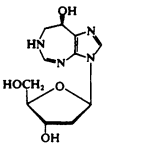
P-00102



P-00103



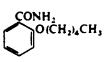
P-00104



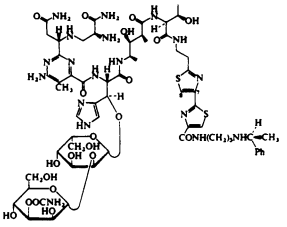
P-00105

$H_3C(CH_2)_4NHCH_2CONH_2$

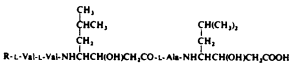
P-00106



P-00107

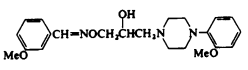


P-00108

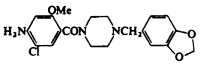


Pepstatin *A*: R = $COCH_2CH(CH_3)_2$ Pepstatin *AC*: R = $COCH_3$
Pepstatin *BU*: R = $COCH_2CH_2CH_3$
Pepstatin *PR*: R = $COCH_2CH_3$

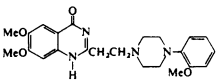
P-00110



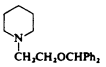
P-00111



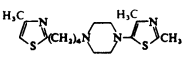
P-00112



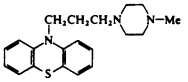
P-00113



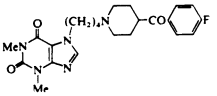
P-00114



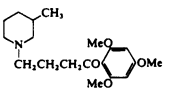
P-00115



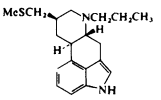
P-00116



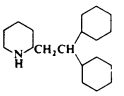
P-00117



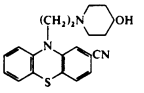
P-00118



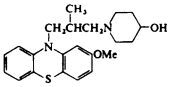
P-00119



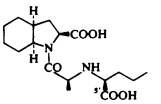
P-00120



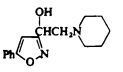
P-00121



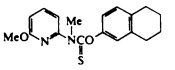
P-00122



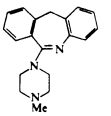
P-00123



P-00124



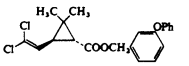
P-00125



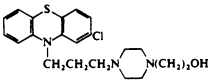
P-00126

$HMnO_4$

P-00127



P-00128



P-00129

HTcO4

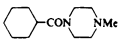
P-00130



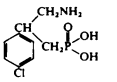
P-00131

$C[CH_3OCH(OH)CCl_3]_4$

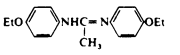
P-00132



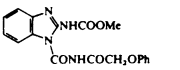
P-00133



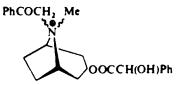
P-00134



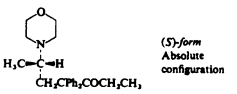
P-00135



P-00136

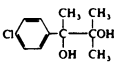


P-00137

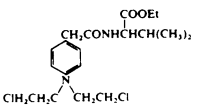


(*S*)-*form* Absolute configuration

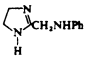
P-00138



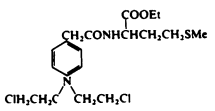
P-00139



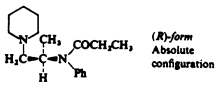
P-00140



P-00141



P-00142

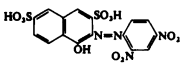


(*R*)-*form* Absolute configuration

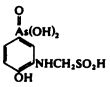
P-00143



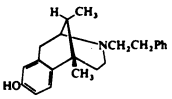
P-00144



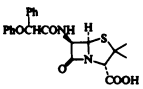
P-00145



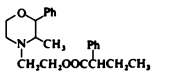
P-00146



P-00147



P-00148



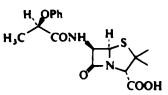
P-00149

$Ph_2NCOSCH_2CH_2NEt_2$

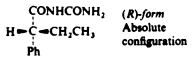
P-00150



P-00151

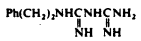


P-00152

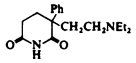


(*R*)-*form* Absolute configuration

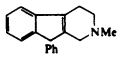
P-00153



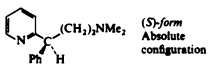
P-00154



P-00155

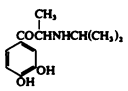


P-00156

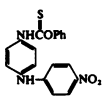


(*S*)-*form* Absolute configuration

P-00157



P-00158



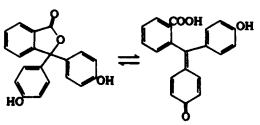
P-00159



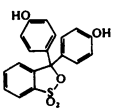
P-00160

PhOH

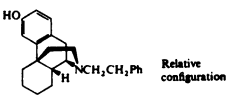
P-00161



P-00162

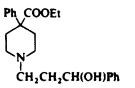


P-00163



Relative configuration

P-00164



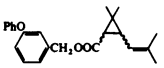
P-00165



P-00166



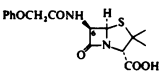
P-00167



P-00169

$PhOCH_2CH(CH_3)N(CH_2Ph)CH_2CH_2Cl$

P-00170



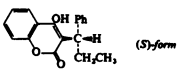
P-00171



P-00172

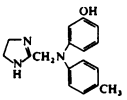
$PhOCH_2CH_2CH_2NHC(NH_2)=NH$

P-00173



(*S*)-*form*

P-00174



P-00175

$PhCH_2CONHCONH_2$

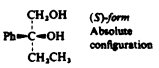
P-00176



P-00177

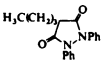


P-00178



(*S*)-*form* Absolute configuration

P-00179



P-00180

$PhCH(CH_2CH_3)CONHCH(COOH)CH_2CH_2SMe$

P-00181



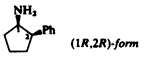
P-00182



P-00183

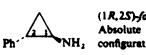


P-00184



(1*R*,2*R*)-*form*

P-00185

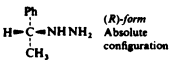


(1*R*,2*S*)-*form* Absolute configuration

P-00186

$PhCH_2CH_2OH$

P-00187

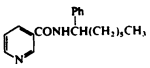


(*R*)-*form* Absolute configuration

P-00188

$PhCH_2CH_2NHNH_2$

P-00189



P-00190

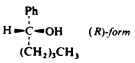
P-00191



P-00192

$PhCH_2C(CH_3)_2NH_2$

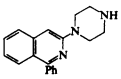
P-00193



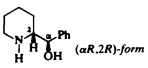
P-00194



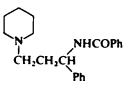
P-00195



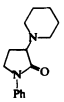
P-00196



P-00197



P-00198



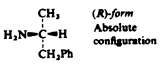
P-00199

$PhCH(CH_2OH)_2$

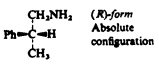
P-00200

$PhCH_2CH_2CH_2OH$

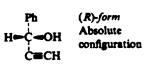
P-00201



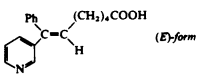
P-00202



P-00203



P-00204



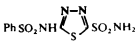
P-00205



P-00206

$Ph^4NHNHCO^1NH_2$

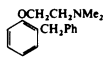
P-00207



P-00208



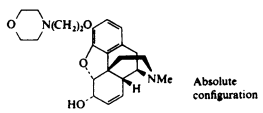
P-00209



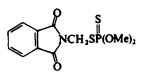
P-00210



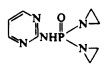
P-00211



P-00212



P-00213



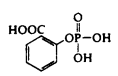
P-00214

$(HO)_2P(O)CH_2COOH$

P-00215

$(HO)_2P(O)COOH$

P-00216



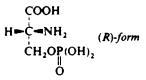
P-00217



P-00218

H_3PO_4

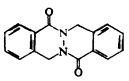
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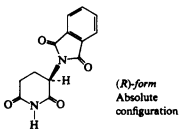
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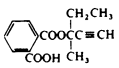
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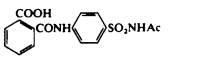
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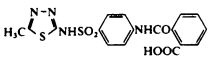
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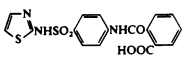
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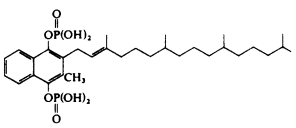
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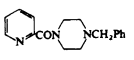
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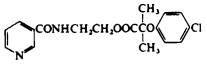
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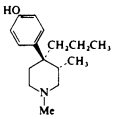
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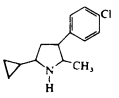
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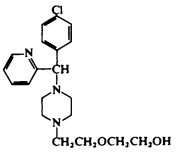
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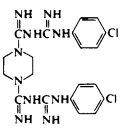
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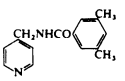
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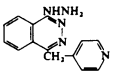
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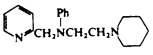
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P-00237



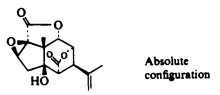
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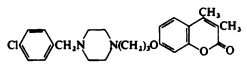
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P-00240

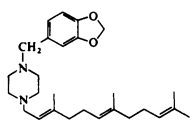
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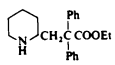
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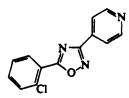
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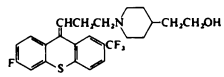
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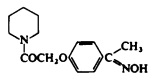
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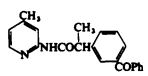
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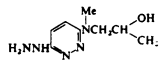
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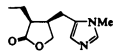
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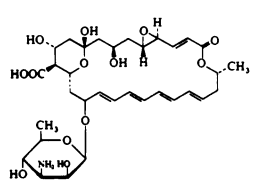
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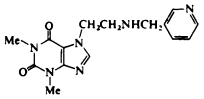
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P-00252



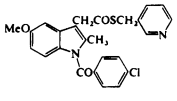
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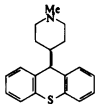
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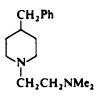
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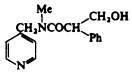
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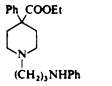
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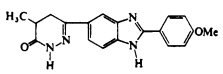
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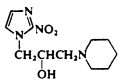
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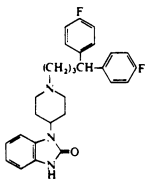
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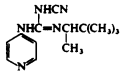
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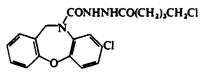
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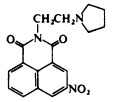
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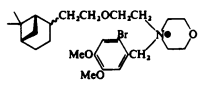
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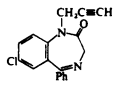
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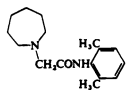
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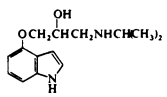
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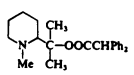
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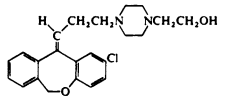
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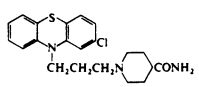
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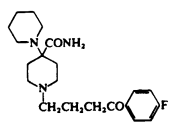
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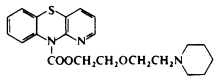
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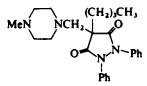
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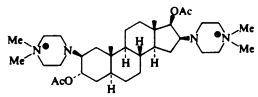
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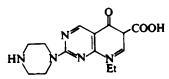
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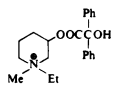
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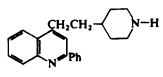
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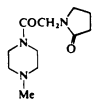
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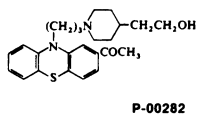
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P-00280



P-00281



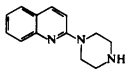
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P-00283

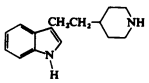
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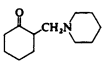
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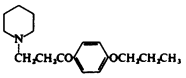
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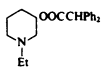
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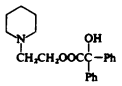
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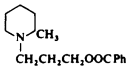
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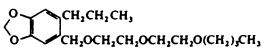
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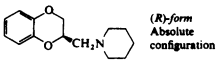
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P-00292

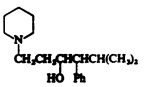


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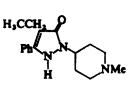


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Absolute configuration

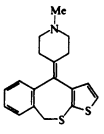
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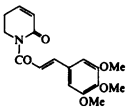
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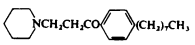
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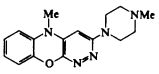
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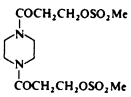
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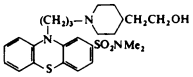
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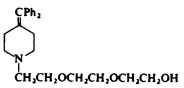
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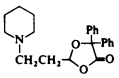
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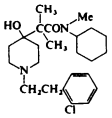
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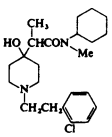
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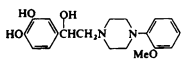
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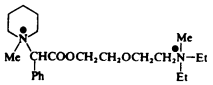
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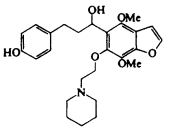
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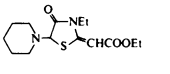
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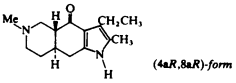
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P-00309

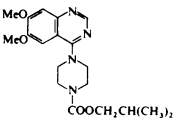


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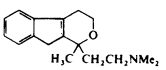


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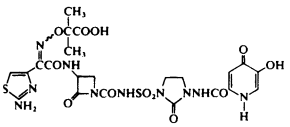
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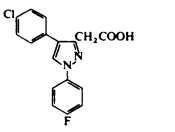
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P-00313



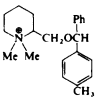
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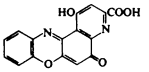
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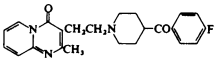
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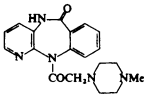
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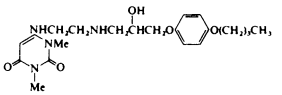
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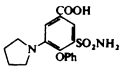
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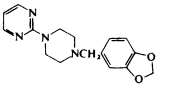
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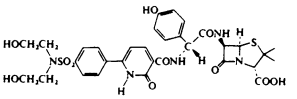
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P-00323



P-00324



P-00325

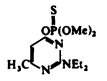
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P-00327

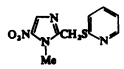
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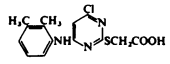
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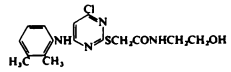
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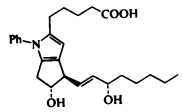
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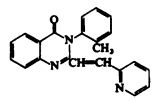
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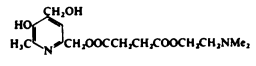
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P-00334



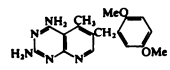
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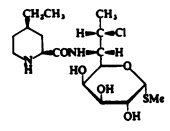
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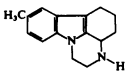
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P-00338



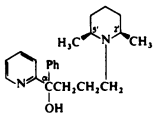
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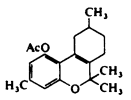
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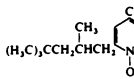
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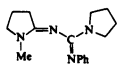
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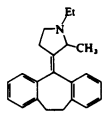
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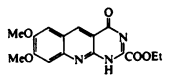
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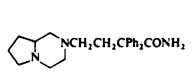
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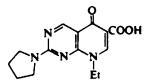
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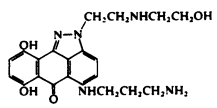
P-00347



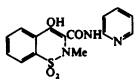
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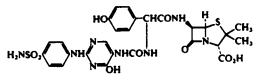
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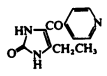
P-00350



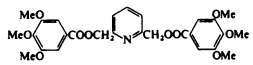
P-00351



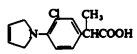
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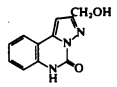
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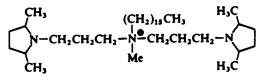
P-00354



P-00355



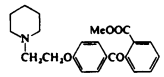
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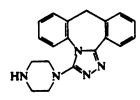
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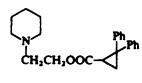
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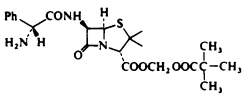
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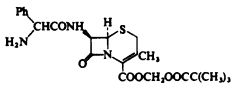
P-00360



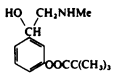
P-00361



P-00362



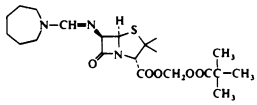
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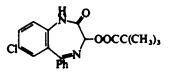
P-00364



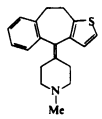
P-00365



P-00366



P-00367



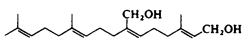
P-00368

P-00369

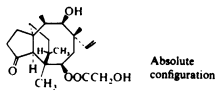
R¹ = R² = CH₂CH₃

P-00371

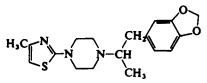
P-00372



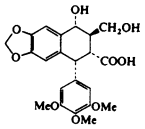
P-00373



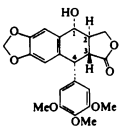
P-00374



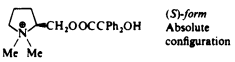
P-00375



P-00376



P-00377



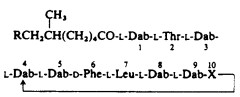
P-00378

$H_3C(CH_2)_{11}(OCH_2CH_2)_9OH$

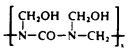
P-00380

$[(CH_2)_6NHC(NH)NHC(NH)NH]_x$

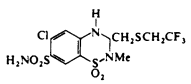
P-00381



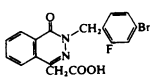
P-00384



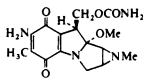
P-00385



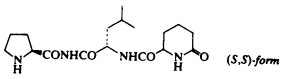
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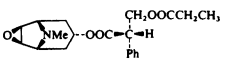
P-00387



P-00388



P-00389



P-00390

KCl

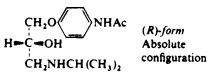
P-00391

KI

P-00392



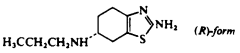
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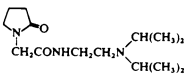
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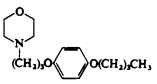
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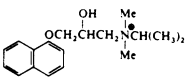
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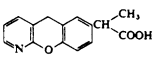
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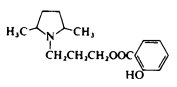
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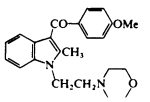
P-00399



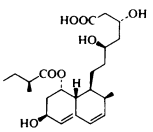
P-00400



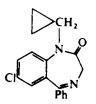
P-00401



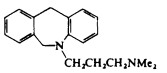
P-00402



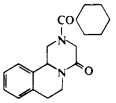
P-00403



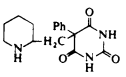
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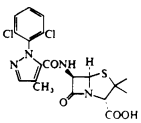
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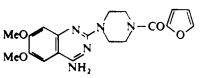
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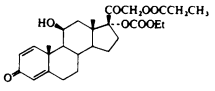
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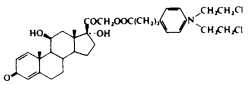
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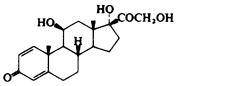
P-00409



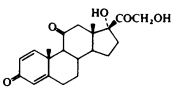
P-00410



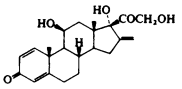
P-00411



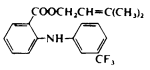
P-00412



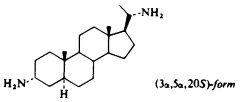
P-00413



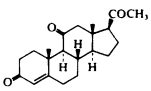
P-00414



P-00415



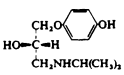
P-00416



P-00417



P-00418



P-00419

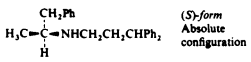
$HOOCCH(NH_2)CH_2SCH_2CH{=}C(CH_3)_2$

P-00420

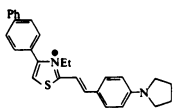
$Ph_2CHOCH_2CH_2NMeCH(CH_3)CH_2OPh$

P-00421

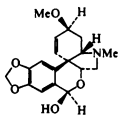
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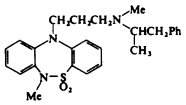
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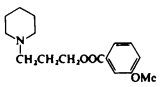
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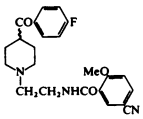
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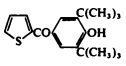
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P-00427



P-00428



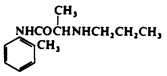
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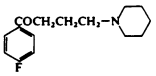
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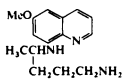
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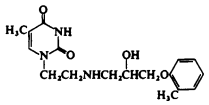
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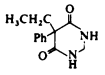
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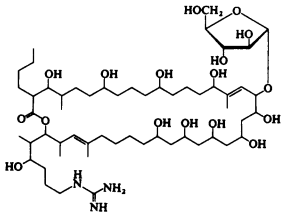
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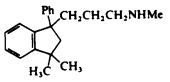
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P-00436



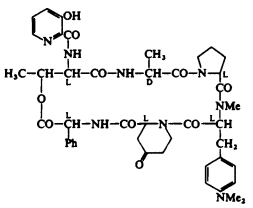
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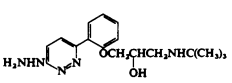
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P-00439



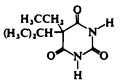
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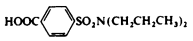
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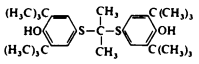
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P-00443



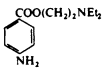
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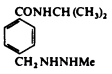
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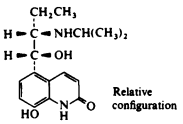
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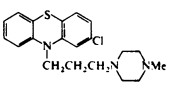
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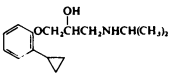
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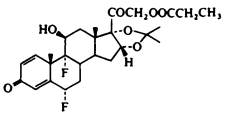
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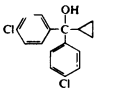
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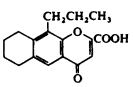
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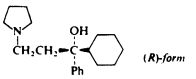
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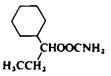
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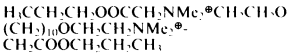
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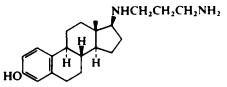
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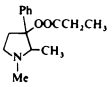
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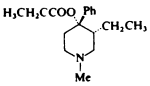
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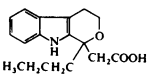
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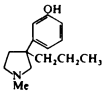
P-00459



P-00460



P-00461

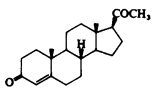


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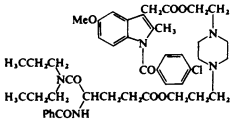
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P-00464

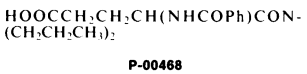
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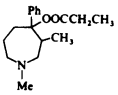
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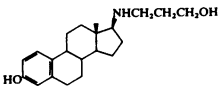
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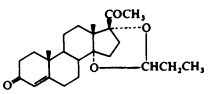
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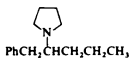
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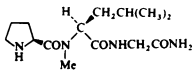
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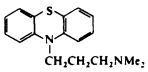
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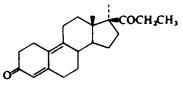
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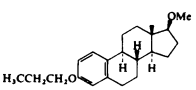
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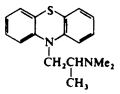
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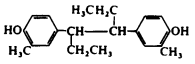
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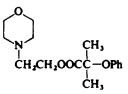
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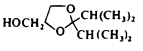
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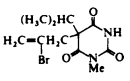
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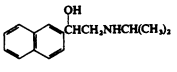
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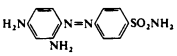
P-00481



P-00482



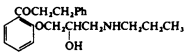
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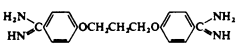
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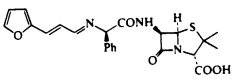
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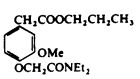
P-00486



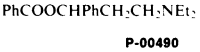
P-00487



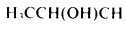
P-00488



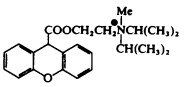
P-00489



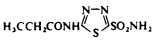
P-00490



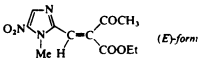
P-00491



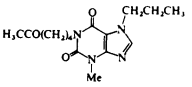
P-00492



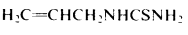
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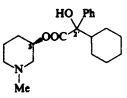
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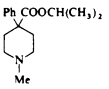
P-00495



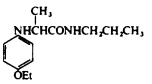
P-00496



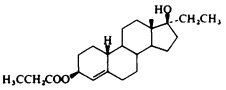
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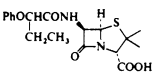
P-00498



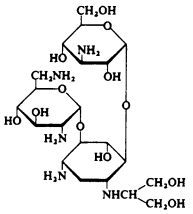
P-00499



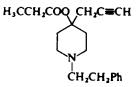
P-00500



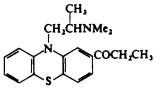
P-00501



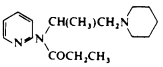
P-00502



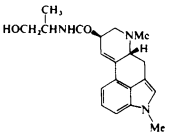
P-00503



P-00504



P-00505



P-00506

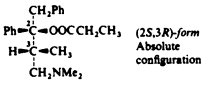
P-00507

P-00508

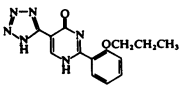
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P-00510

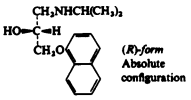
P-00511


(2S,3R)-form
Absolute configuration

P-00512



P-00513


(R)-form
Absolute configuration

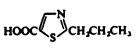
P-00514

$(H_3CCH_2CH_2)_3CNH_2$

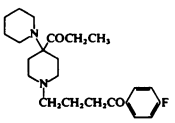
P-00515

$(H_3CCH_2CH_2)_2CHCOOH$

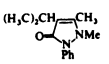
P-00516



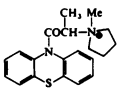
P-00517



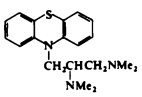
P-00518



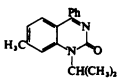
P-00519



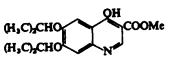
P-00520



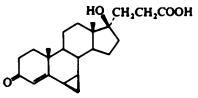
P-00521



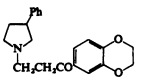
P-00522



P-00523



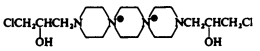
P-00524



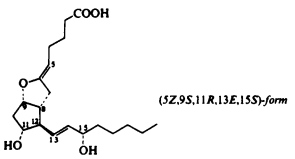
P-00525

$Et_2NCH_2CH_2OCPh_2COOCH_2CH_2NEt_2$

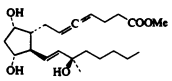
P-00526



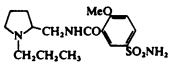
P-00527


(5Z,9S,11R,13E,15S)-form

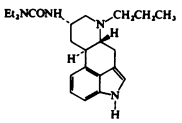
P-00528



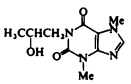
P-00529



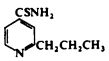
P-00530



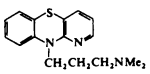
P-00533



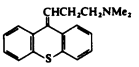
P-00534



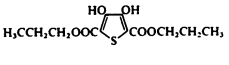
P-00535



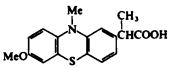
P-00536



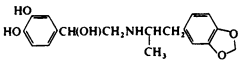
P-00537



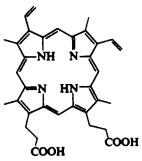
P-00538



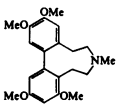
P-00539



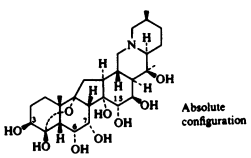
P-00540



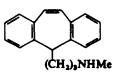
P-00541



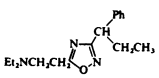
P-00542


Absolute configuration

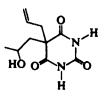
P-00543



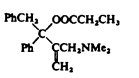
P-00544



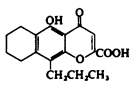
P-00545



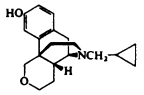
P-00546



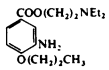
P-00547



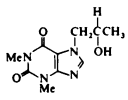
P-00548



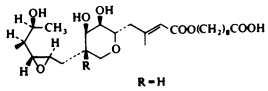
P-00549



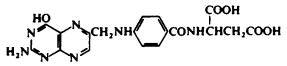
P-00550



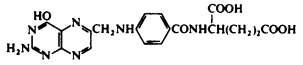
P-00551


R = H

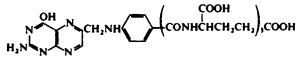
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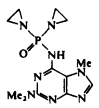
P-00553



P-00554

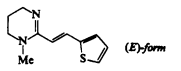


P-00555

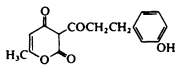


P-00556

P-00557



P-00558



P-00559



P-00560



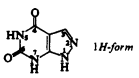
P-00561



P-00562



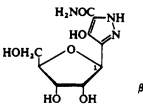
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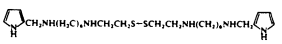
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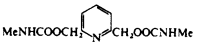
P-00565



P-00566



P-00567



P-00568



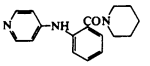
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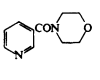
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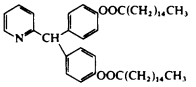
P-00574



P-00575



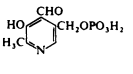
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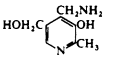
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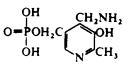
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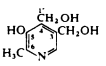
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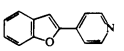
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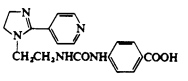
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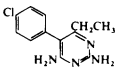
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P-00583



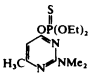
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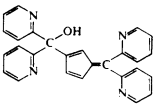
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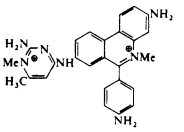
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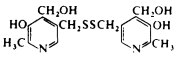
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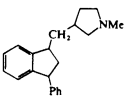
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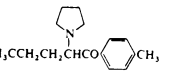
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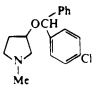
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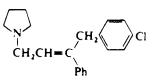
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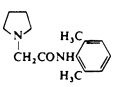
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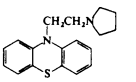
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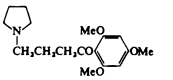
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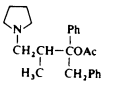
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P-00597

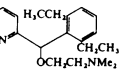


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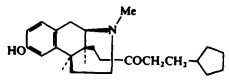
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P-00600

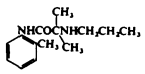


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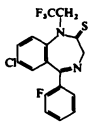
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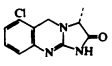
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Q-00003



Q-00004

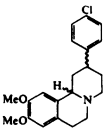


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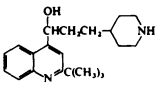
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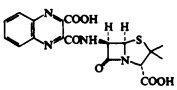
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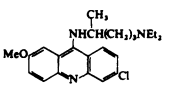
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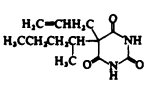
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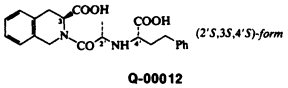
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Q-00010

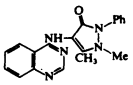


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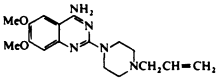


(2'*S*,3*S*,4'*S*)-form

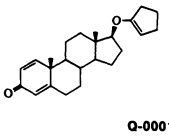
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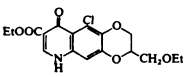
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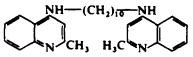
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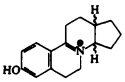
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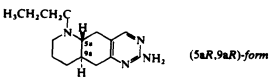
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Q-00017

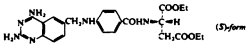


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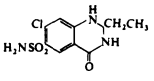
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Q-00019



(*S*)-form

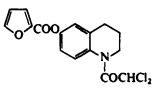
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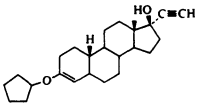
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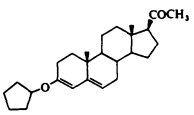
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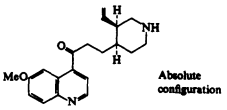
Q-00023



Q-00024

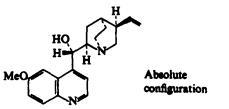


Q-00025



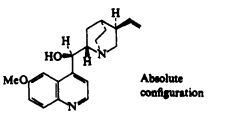
Absolute configuration

Q-00026



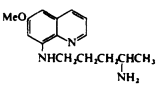
Absolute configuration

Q-00027



Absolute configuration

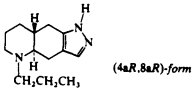
Q-00028



Q-00029

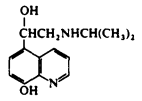


Q-00031



(4a*R*,8a*R*)-form

Q-00032



Q-00033

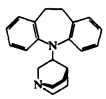


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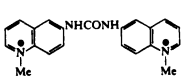


(*R*)-form
Absolute configuration

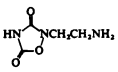
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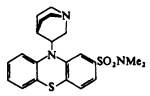
Q-00036



Q-00037

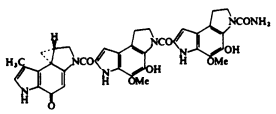


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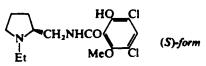


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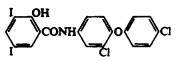
R



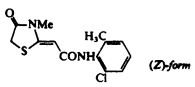
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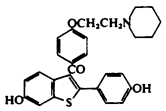
R-00002



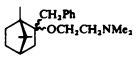
R-00003



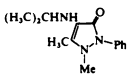
R-00004



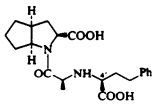
R-00005



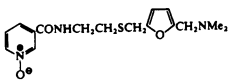
R-00006



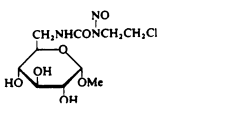
R-00007



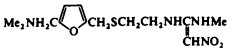
R-00008



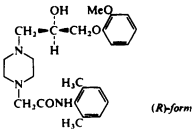
R-00009



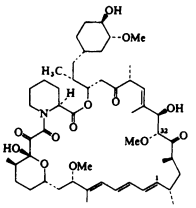
R-00010



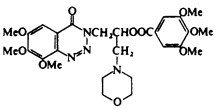
R-00011



R-00012



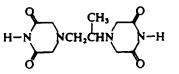
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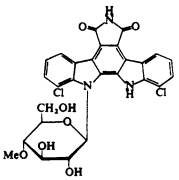
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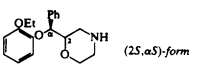
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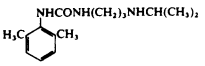
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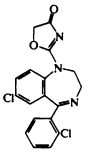
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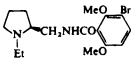
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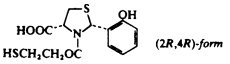
R-00019



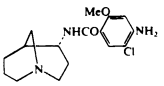
R-00020



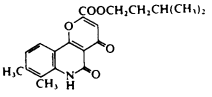
R-00021



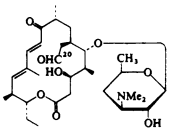
R-00022



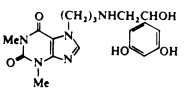
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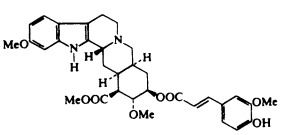
R-00024



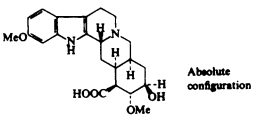
R-00025



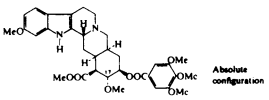
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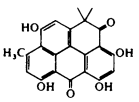
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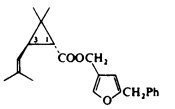
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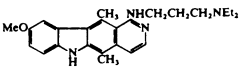
R-00029



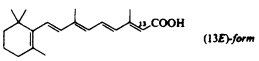
R-00030



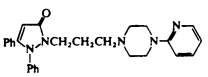
R-00031



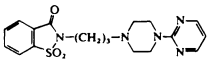
R-00032



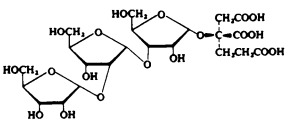
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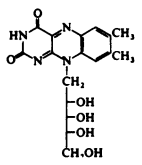
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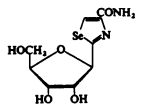
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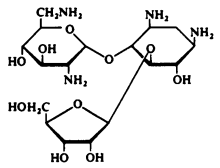
R-00037



R-00038



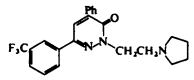
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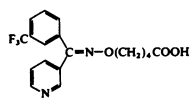
R-00040



R-00041

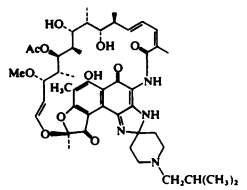


R-00042

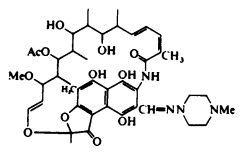


(*E*)-form

R-00043



R-00044

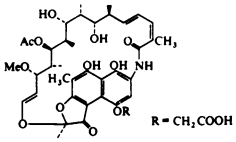


R-00045

As R-00047 with

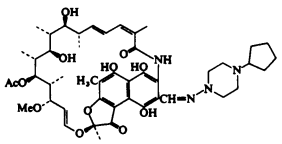
R = H

R-00046

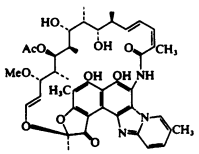


R = CH_2COOH

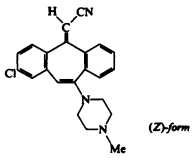
R-00047



R-00048

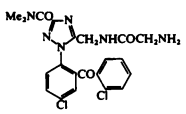


R-00049



(*Z*)-form

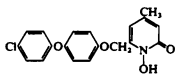
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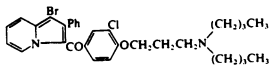
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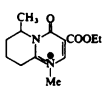
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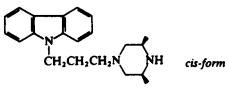
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R-00054

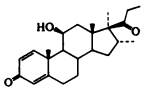


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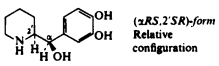


cis-form

R-00056

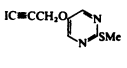


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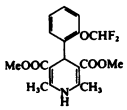


(2*RS*,2'*SR*)-form
Relative configuration

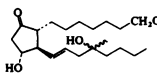
R-00058



R-00059



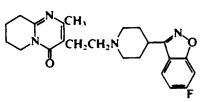
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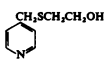
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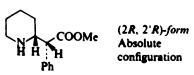
R-00062



R-00063

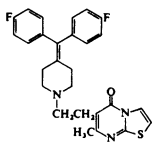


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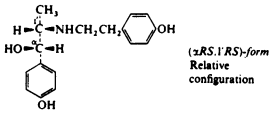


(2*R*, 2'*R*)-form
Absolute configuration

R-00065



R-00066

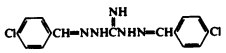


(2*RS*,1'*RS*)-form
Relative configuration

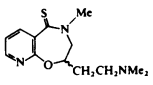
R-00067

$MeO_3SOCH_2CH_2NHCH_2CHOH$-
$CHOHCH_2NHCH_2CH_2OSO_3Me$

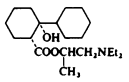
R-00068



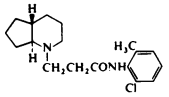
R-00069



R-00070



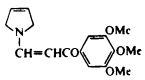
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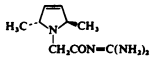
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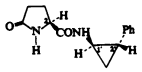
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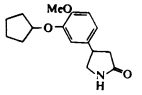
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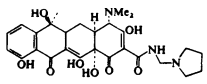
R-00075



R-00076



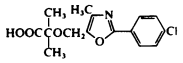
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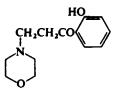
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R-00079



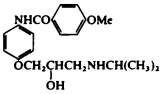
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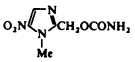
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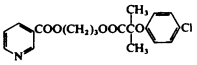
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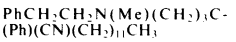
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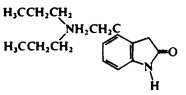
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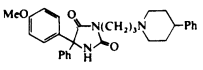
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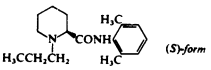
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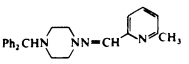
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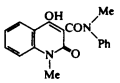
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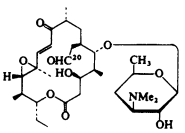
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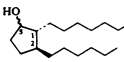
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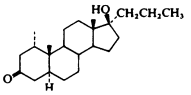
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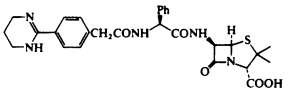
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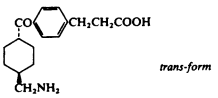
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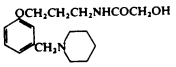
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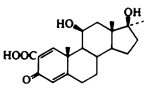
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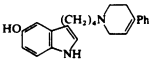
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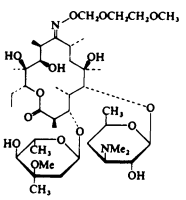
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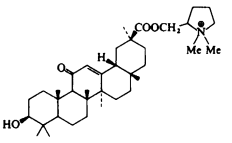
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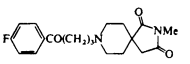
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R-00100



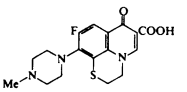
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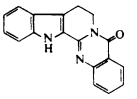
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RbCl

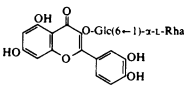
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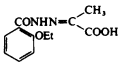
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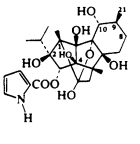
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R-00106

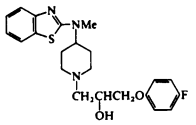


R-00107



R-00108

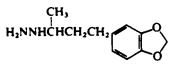
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S-00001



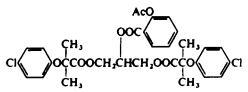
S-00002



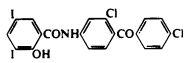
S-00003

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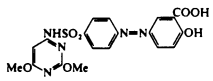
S-00004



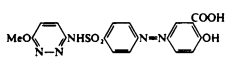
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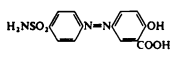
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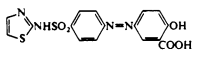
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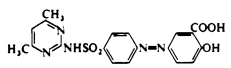
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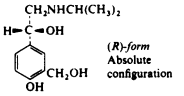
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S-00010

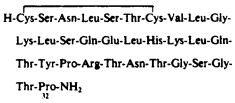


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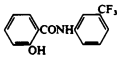


(*R*)-*form*
Absolute configuration

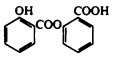
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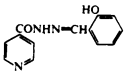
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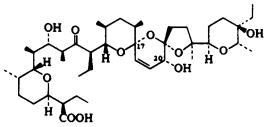
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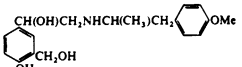
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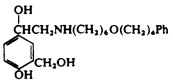
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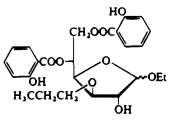
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S-00018



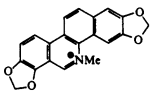
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S-00020



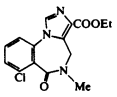
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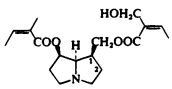
S-00022

Sar-Arg-Val-Tyr-Val-His-Pro-Ala

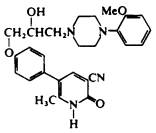
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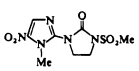
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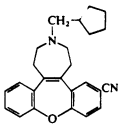
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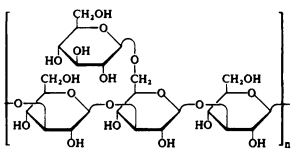
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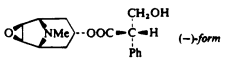
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S-00029

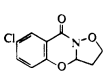


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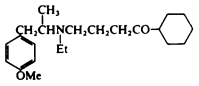


(–)-*form*

S-00031



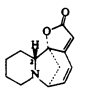
S-00032



S-00033

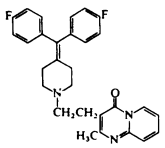
His-Ser-Asp-Gly-Thr-Phe-Thr-Ser-Glu-Leu-Ser-Arg-Leu-Arg-Asp-Ser-Ala-Arg-Leu-Gln-Arg-Leu-Leu-Gln-Gly-Leu-ValNH_2

S-00034



(–)-*form*
Absolute configuration

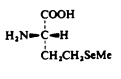
S-00035



S-00036

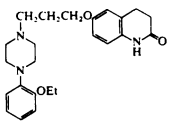
SeS_2

S-00037

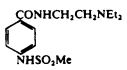


(*S*)-*form*

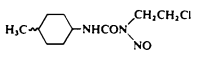
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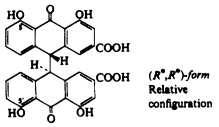
S-00039



S-00040

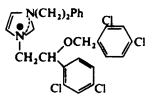


S-00041



(*R**,*R**)-*form*
Relative configuration

S-00042



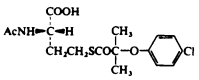
S-00043



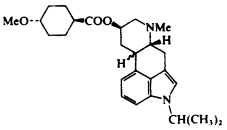
S-00044

H-[1]Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-Pro-Asp-Ala-Gly-Glu-Asp-Gln-Ser-Ala-Glu-Ala-Phe-Pro-Leu-Glu-[39]PheOH

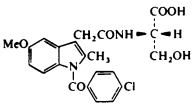
S-00045



S-00046



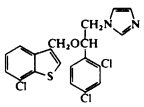
S-00047



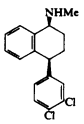
S-00048

H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-NH_2

S-00049



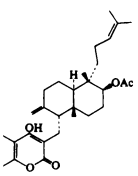
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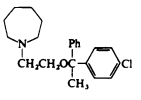
S-00052

pyroGlu-Ala-Lys-Ser-Glu-Gly-Gly-Ser-AsnOH

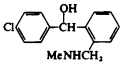
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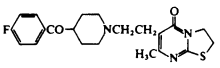
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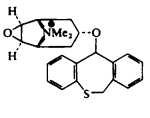
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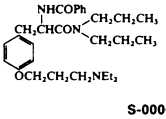
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S-00058



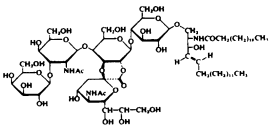
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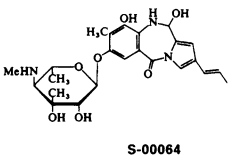
S-00060



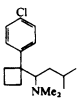
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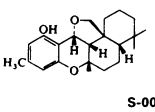
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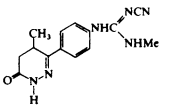
S-00064



S-00065



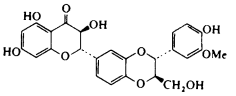
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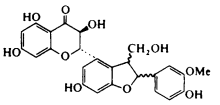
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$AgNO_3$

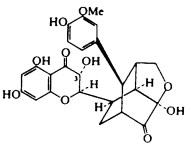
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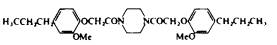
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S-00070



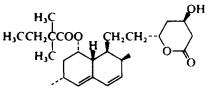
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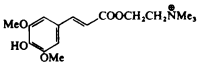
S-00073



S-00074



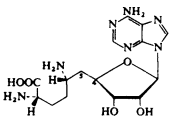
S-00075



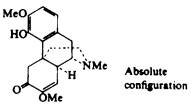
S-00076

H-Asp-Tyr(SO_3H)-Met-Gly-Trp-Met-Asp-$PheNH_2$

S-00077



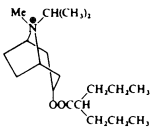
S-00078



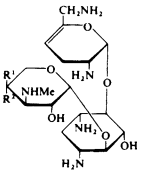
S-00079

Struct. unknown

S-00080



S-00081



R^1 = OH, R^2 = CH_3

S-00082

Na_2HAsO_4

S-00083

$Na_3Au(S_2O_3)_2$

S-00084

NaCl

S-00085

Na_2CrO_4

S-00086

NaF

S-00087

NaI

S-00088

$NaNO_2$

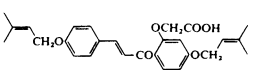
S-00089

Na_2SO_4

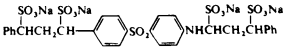
S-00090

$Na_2S_2O_3$

S-00091



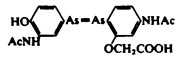
S-00092



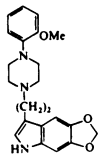
S-00093

PhCH(OH)CH(CH$_2$OH)NHCH(CH$_3$)-CH$_2$OPh

S-00094



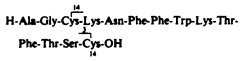
S-00095



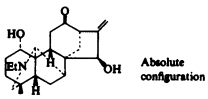
S-00096

H-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH$_2$

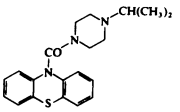
S-00097



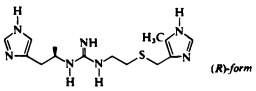
S-00098



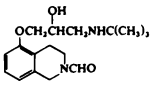
S-00100



S-00101



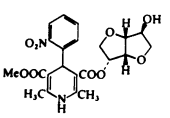
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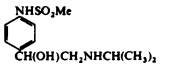
S-00103



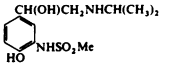
S-00104



S-00105



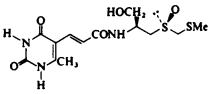
S-00106



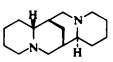
S-00107

HOOCCH$_2$CH(COOH)NHCOCH$_2$P-(O)(OH)$_2$

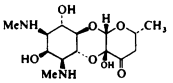
S-00108



S-00109



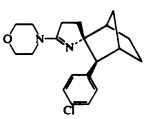
S-00110



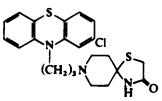
S-00111

HN=C(NH$_2$)NH(CH$_2$)$_4$CH(OH)-CH$_2$CONHCH(OH)CONH(CH$_2$)$_4$NH-(CH$_2$)$_3$NH$_2$

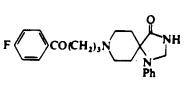
S-00112



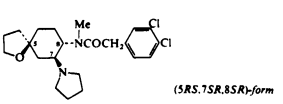
S-00113



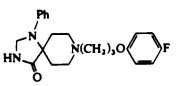
S-00114



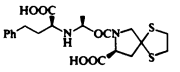
S-00115



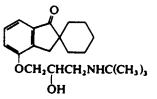
S-00116



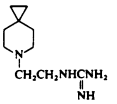
S-00117



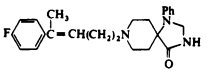
S-00118



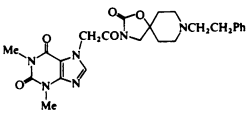
S-00119



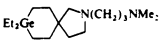
S-00120



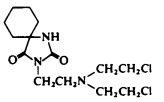
S-00121



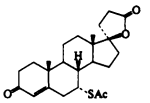
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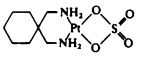
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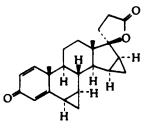
S-00124



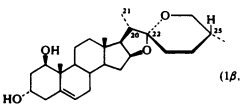
S-00125



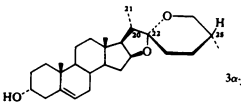
S-00126



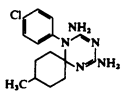
S-00127



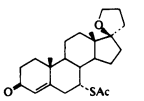
S-00128



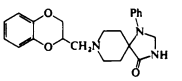
S-00129



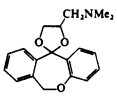
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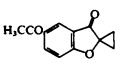
S-00131



S-00132



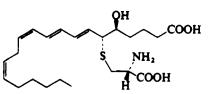
S-00133



S-00134

H-Arg-Lys-Glu-Val-Tyr-OH

S-00135



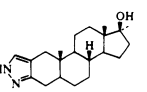
S-00136

SnF$_2$

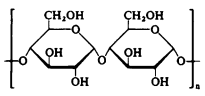
S-00137

Sn$_2$P$_2$O-

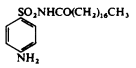
S-00138



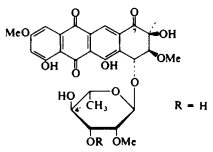
S-00139



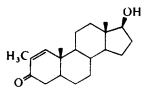
S-00140



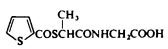
S-00142



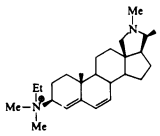
S-00143



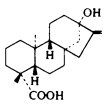
S-00144



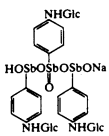
S-00145



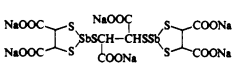
S-00146



S-00147



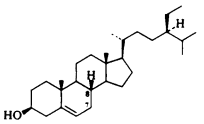
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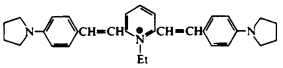
S-00149

$Sb[SCH(COOH)CH_2COOH]_3$

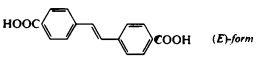
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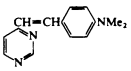
S-00151



S-00152



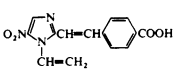
S-00153



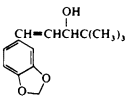
S-00154

$PhCH{=}CHPhOCH_2CH_2N^{\oplus}Et_3$

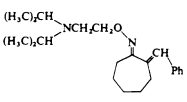
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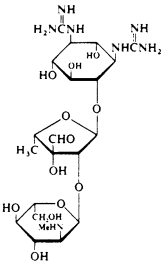
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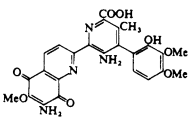
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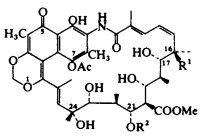
S-00158



S-00161

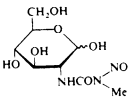


S-00162



Streptovaricin A $R^1 = OH, R^2 = Ac$
B $R^1 = H, R^2 = Ac$
C $R^1 = R^2 = H$
G $R^1 = OH, R^2 = H$

S-00163



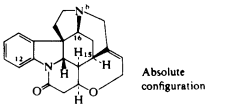
S-00164

$SrCl_2$

S-00165

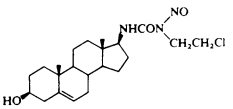
$Sr(NO_3)_2$

S-00166



Absolute configuration

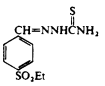
S-00167



S-00168

$H_2NCOOCH{-}CH(OH)Ph$

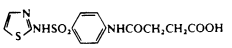
S-00169



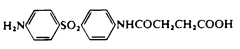
S-00170

Arg-Pro-Lys-Pro-Gln-Gln-Phe-Phe-Gly-Leu-MetNH_2

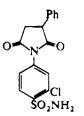
S-00171



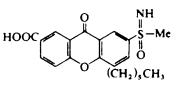
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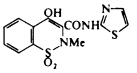
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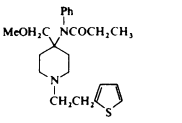
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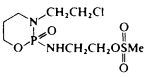
S-00175



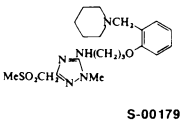
S-00176



S-00177



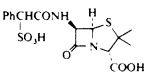
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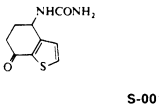
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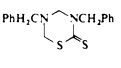
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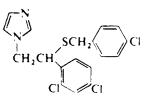
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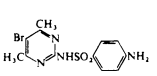
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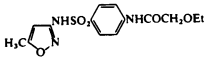
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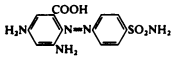
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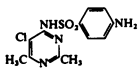
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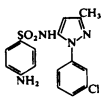
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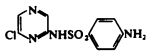
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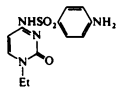
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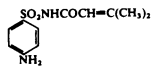
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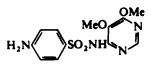
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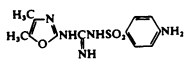
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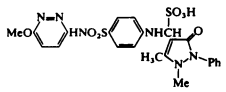
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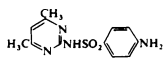
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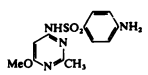
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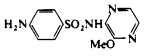
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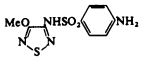
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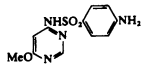
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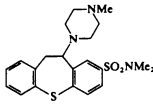
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S-00199



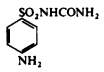
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S-00201



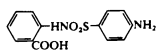
S-00202



S-00203



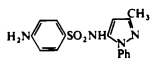
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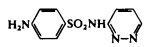
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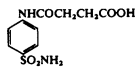
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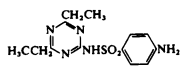
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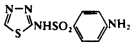
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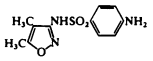
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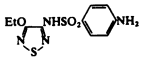
S-00210



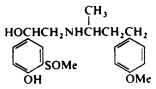
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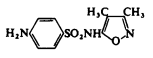
S-00212



S-00213



S-00214



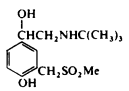
S-00215



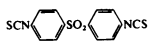
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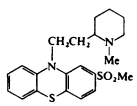
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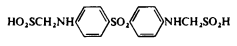
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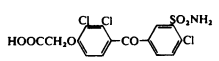
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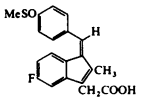
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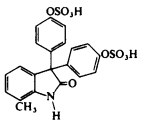
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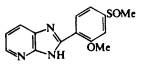
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S-00225



S-00226



S-00227

S-00228

S-00229

S-00230

S-00231

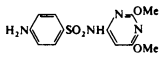
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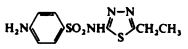
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S-00237



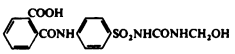
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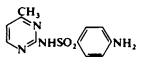
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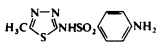
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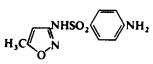
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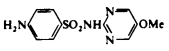
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S-00243



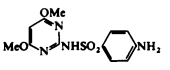
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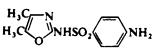
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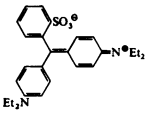
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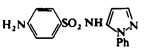
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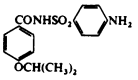
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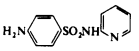
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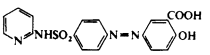
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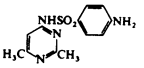
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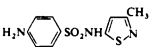
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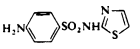
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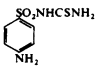
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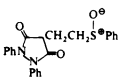
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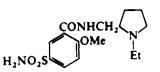
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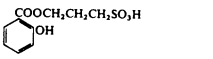
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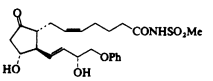
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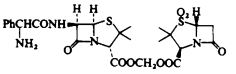
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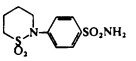
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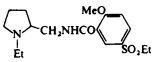
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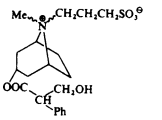
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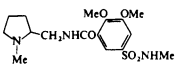
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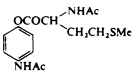
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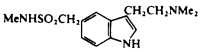
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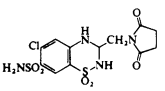
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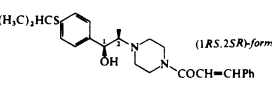
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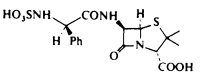
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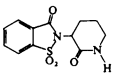
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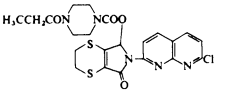
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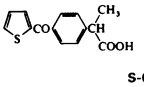
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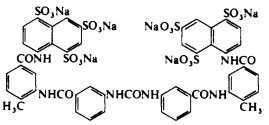
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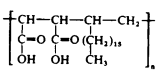
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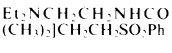
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S-00275



S-00276



S-00277

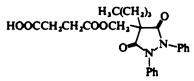
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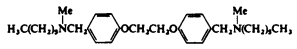
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$EtMe_2N^{\oplus}(CH_2)_2OOCCH_2CH_2COO\text{-}(CH_2)_2N^{\oplus}EtMe_2$

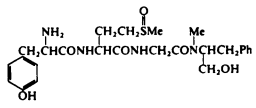
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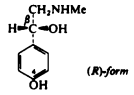
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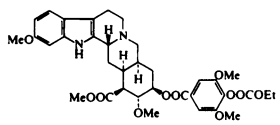
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S-00285

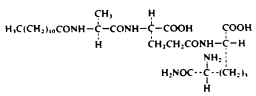


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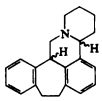


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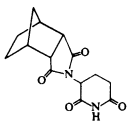
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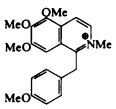
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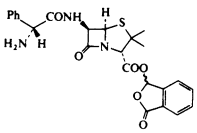
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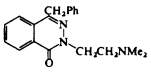
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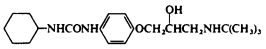
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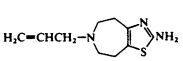
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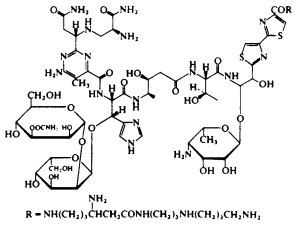
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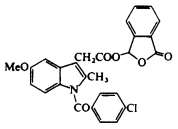
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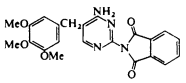
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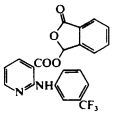
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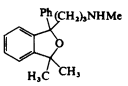
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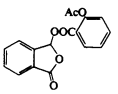
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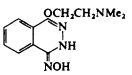
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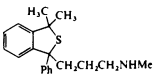
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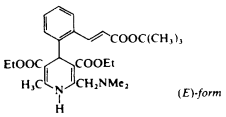
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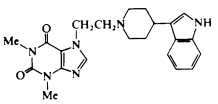
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T-00018



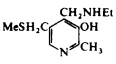
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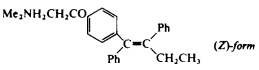
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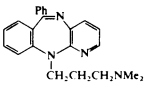
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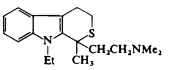
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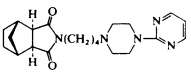
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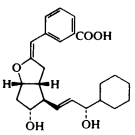
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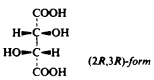
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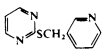
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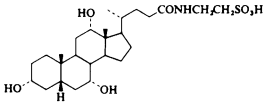


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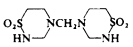


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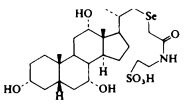
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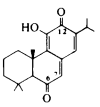
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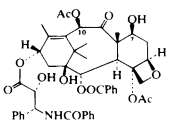
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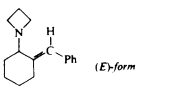
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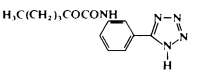
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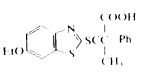
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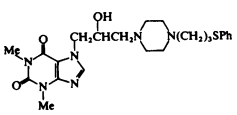
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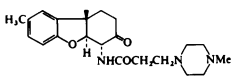
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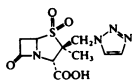
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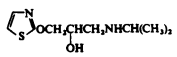
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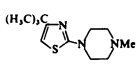
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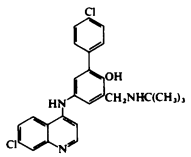
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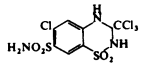
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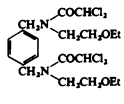
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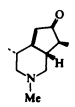
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T-00047

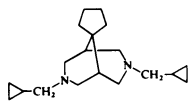


T-00048



Absolute configuration

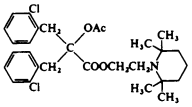
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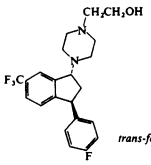
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T-00051

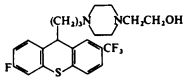


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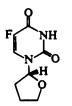


trans-form

T-00053

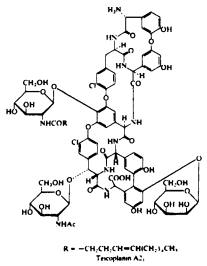


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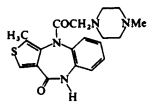


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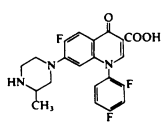
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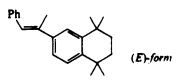
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T-00057

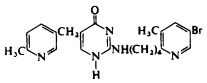


T-00058

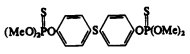


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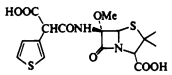
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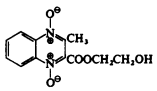
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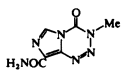
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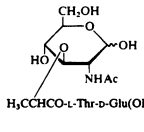
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T-00063

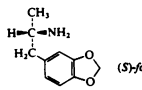


T-00064



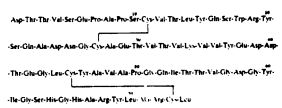
H3CCHCO-L-Thr-D-Glu(OH)-NH2

T-00065

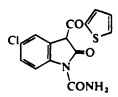


(S)-form

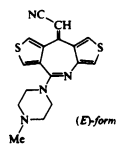
T-00066



T-00067

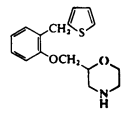


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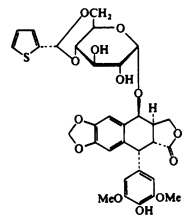


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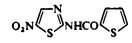
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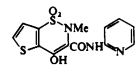
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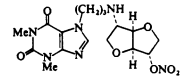
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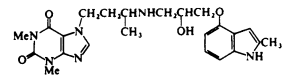
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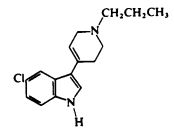
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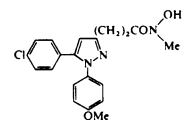
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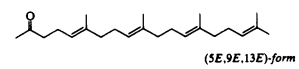
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T-00076



T-00077

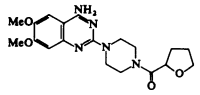


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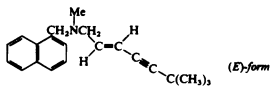
T-00078

pyroGlu-Trp-Pro-Arg-Pro-Gln-Ile-Pro-Pro

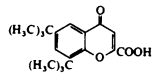
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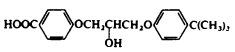
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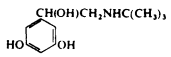
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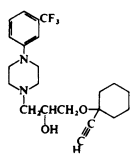
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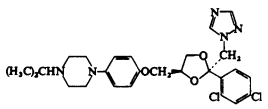
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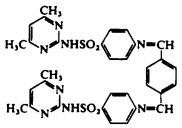
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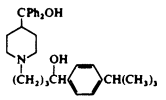
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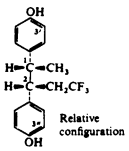
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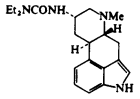
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T-00088



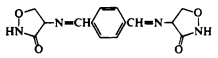
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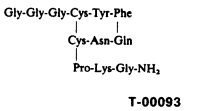
T-00090

Ser-Val-Ser-Glu-Ile-Gln-Leu-Met-His-Asp-Leu-Gly-Lys-His-Leu-Asp--Ser-Met-Glu-Arg-Val-Glu-Trp-Leu-Arg-Lys-Lys-Leu-Gln-Asp-Val-His-Asp-Phe

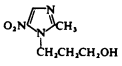
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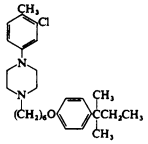
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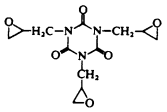
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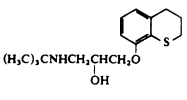
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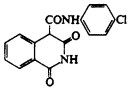
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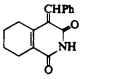
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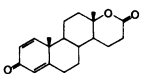
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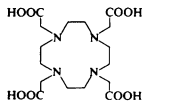
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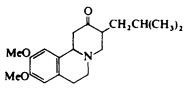
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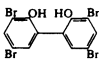
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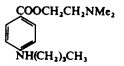
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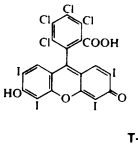
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T-00103



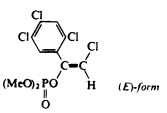
T-00104



T-00105

$Cl_2C{=}CCl_2$

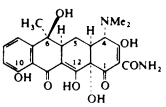
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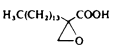
T-00107

^{1}H-Ser-Tyr-Ser-Met-Glu-His-Phe-Arg-Trp-Gly-Lys-Pro-Val-Gly-Lys-Lys-Arg-Arg-Pro-Val-Lys-Val-Tyr-$^{-24}$ProOH

T-00108



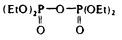
T-00109



T-00110

$Et_4N^{\oplus}$

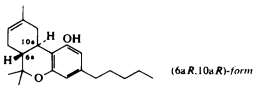
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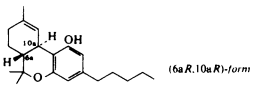
T-00112

F_3CCH_2F

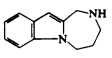
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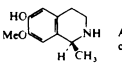
T-00114



T-00115

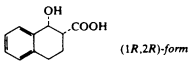


T-00116



Absolute configuration

T-00117



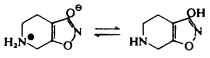
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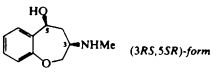
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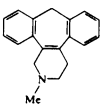
T-00120



T-00121



T-00122



T-00123



T-00124

T-00125



T-00126



T-00127



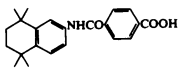
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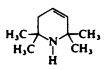
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T-00130



T-00131



T-00132



T-00133



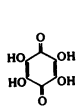
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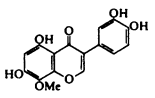
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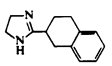
T-00136



T-00137



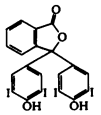
T-00138



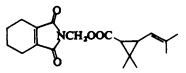
T-00140

$I_2C{=}Cl_2$

T-00141



T-00142



T-00143

$Me_4N^{\oplus}$

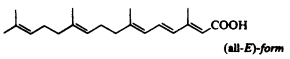
T-00144

$(H_3C)_3CCH_2C(CH_3)_2NHC(NH_2){=}NH$

T-00145

$HOCH_2C(CH_3)_2(CH_2)_6C(CH_3)_2CH_2OH$

T-00146



(all-*E*)-*form*

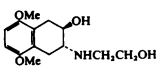
T-00147

$Me_2N(CH_2)_6NMe_2$

T-00148

$Me_2NCS{-}S{-}S{-}CSNMe_2$

T-00149

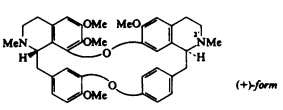


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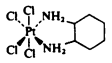
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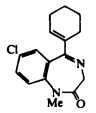


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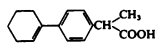
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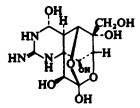
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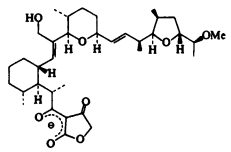
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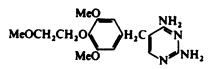
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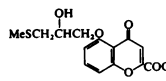
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T-00157



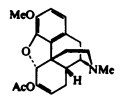
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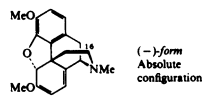
T-00159

TlCl

T-00160

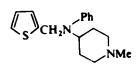


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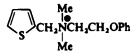


(−)-*form*
Absolute configuration

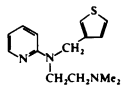
T-00162



T-00163



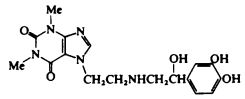
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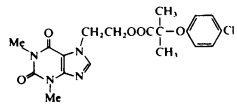
T-00165



T-00166



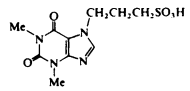
T-00167



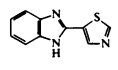
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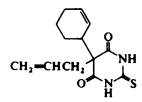
T-00169



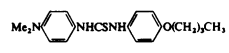
T-00170



T-00171

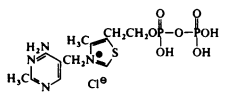


T-00172

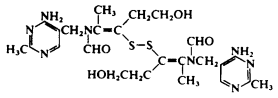


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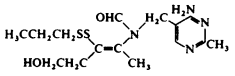
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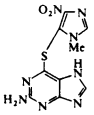
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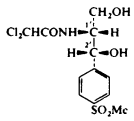
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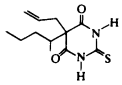
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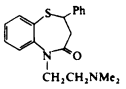
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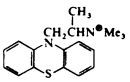
T-00179



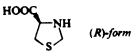
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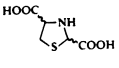
T-00181



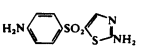
T-00182



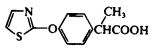
T-00183



T-00184



T-00185



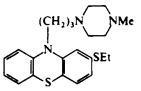
T-00186



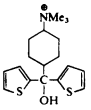
T-00187



T-00188



T-00189



T-00190



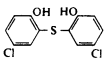
T-00191



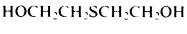
T-00192

PhCOSH

T-00193

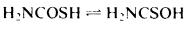


T-00194



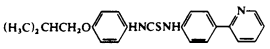
$HOCH_2CH_2SCH_2CH_2OH$

T-00195



$H_2NCOSH \rightleftharpoons H_2NCSOH$

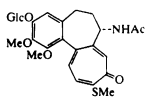
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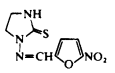
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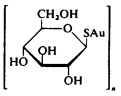
T-00198



T-00199



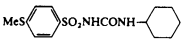
T-00200



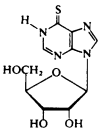
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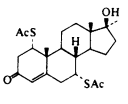
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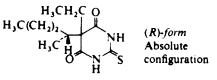
T-00203



T-00204

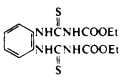


T-00205

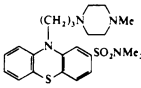


(*R*)-form
Absolute configuration

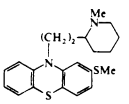
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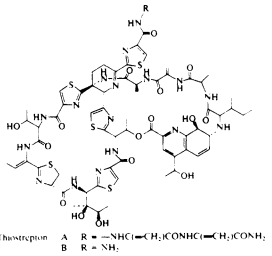
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T-00208



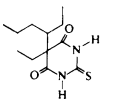
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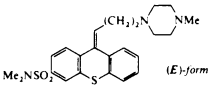
T-00210



T-00211



T-00212



(*E*)-form

T-00213



T-00214

$Ph_2CHCOSCH_2CH_2NEt_2$

T-00215

T-00216

T-00217

T-00218

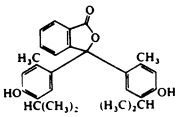
(2*R*,3*R*)-form
Absolute configuration

T-00219

T-00222

Arg-Lys-Asp-Val

T-00223



T-00224

L-Arg-L-Lys-L-Asp-L-Val-L-Tyr

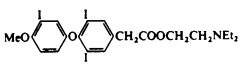
T-00225

H-W-X-Phe-Leu-Glu-Asp-Pro-Ser-Val-Leu-Thr-Lys-Glu-Lys-Leu-Lys-Ser-Glu-Leu-Val-Ala-Asn-Asn-Val-Thr-Leu-Pro-Ala-Gly-Glu-Gln-Arg-Lys-Y-Val-Tyr-Val-Glu-Leu-Tyr-Leu-Gln-Z-Leu-Thr-Ala-Leu-Lys-Arg-OH. Thymopoietin I: W = Gly, X = Gln, Y = Asp, Z = His, II: W = Pro, X = Glu, Y = Asp, Z = Ser, III: W = Pro, X = Glu, Y = Glu, Z = His

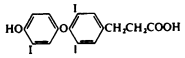
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pyroGlu-His-Pro-NH_2

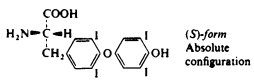
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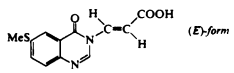
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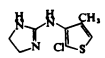
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T-00233



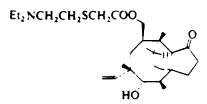
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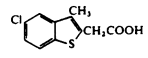
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$Me_2N^{\oplus}EtCH_2CH_2SCH_2CH_2N^{\oplus}EtMe_2$

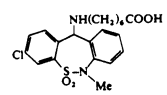
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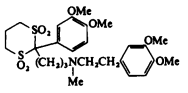
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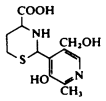
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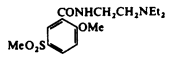
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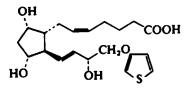
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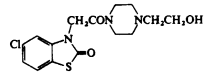
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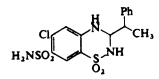
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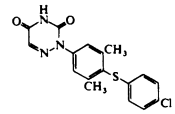
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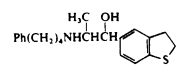
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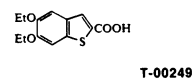
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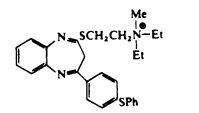
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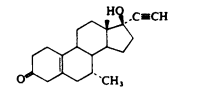
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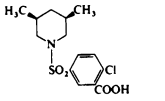
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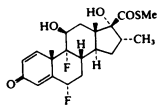
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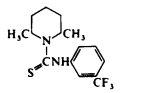
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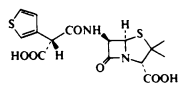
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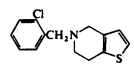
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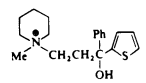
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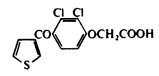
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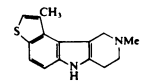
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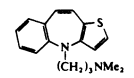
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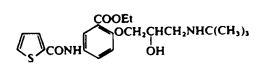
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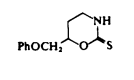
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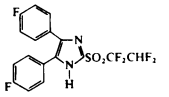
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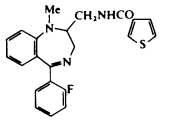
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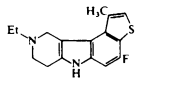
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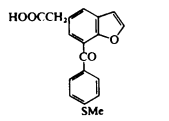
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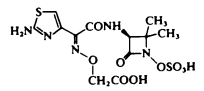
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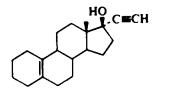
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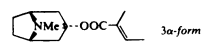
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T-00268



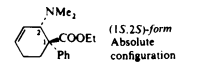
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T-00270

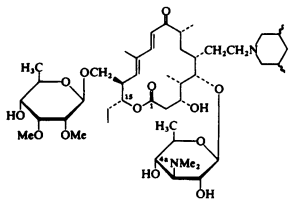


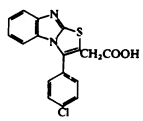
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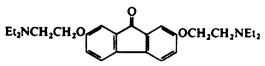


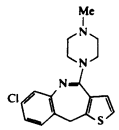
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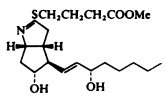
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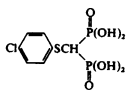

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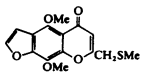

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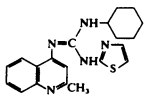

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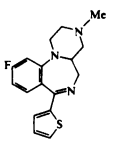

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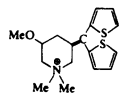

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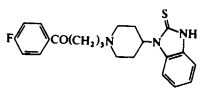

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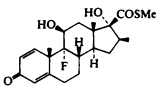

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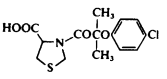

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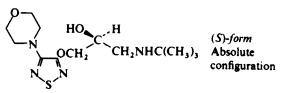

T-00283


T-00284

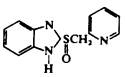

T-00285

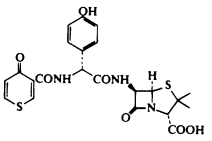

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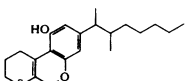

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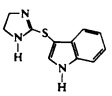

(*S*)-*form* Absolute configuration

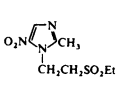
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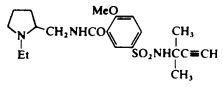

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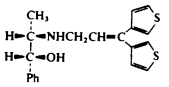

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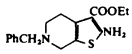

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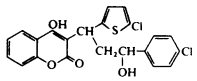

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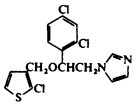

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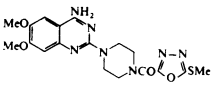

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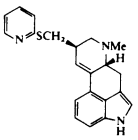

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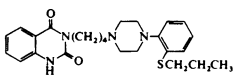

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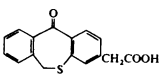

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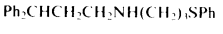

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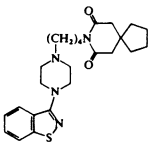

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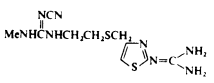

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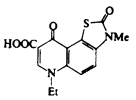

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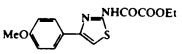

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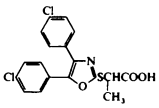

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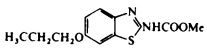

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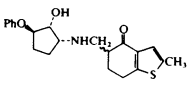

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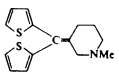

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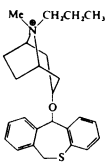

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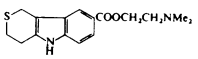

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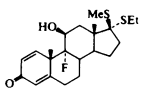

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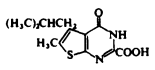

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T-00312

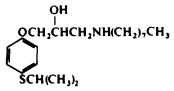

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T-00314

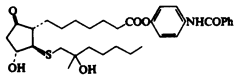
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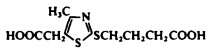
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T-00317



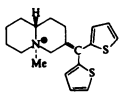
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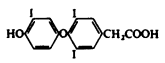
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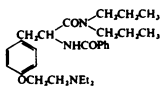
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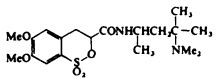
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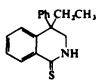
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T-00323



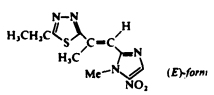
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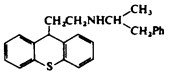
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TiO_2

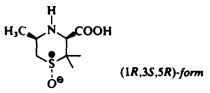
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T-00327

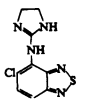


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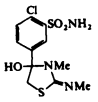


(1*R*,3*S*,5*R*)-*form*

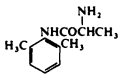
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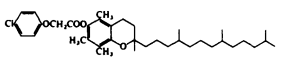
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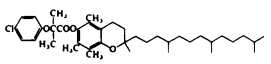
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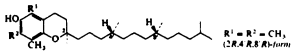
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T-00333



T-00334

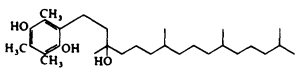


T-00335

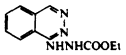
As T-00335 with

$R^1 = CH_3$, $R^2 = H$

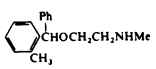
T-00336



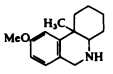
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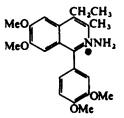
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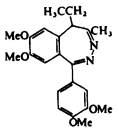
T-00339



T-00340



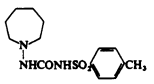
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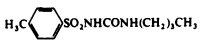
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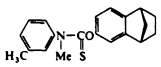
T-00343



T-00344



T-00345



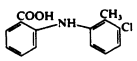
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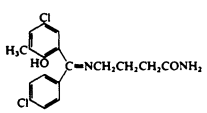
T-00347



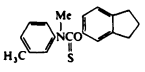
T-00348



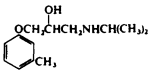
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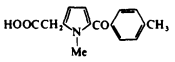
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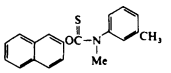
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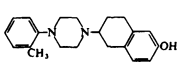
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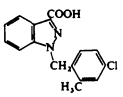
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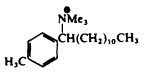
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T-00356



T-00357

T-00358

T-00359

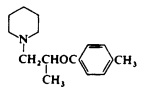
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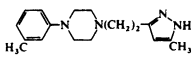
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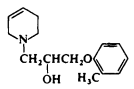
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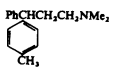
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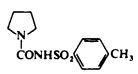
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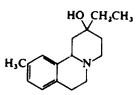
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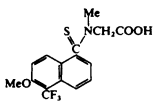
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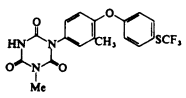
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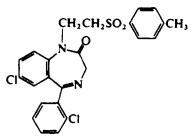
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T-00370



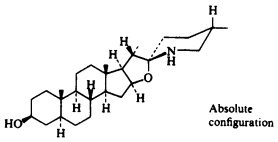
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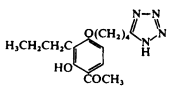


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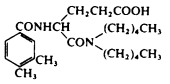


Absolute configuration

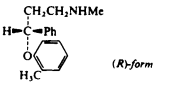
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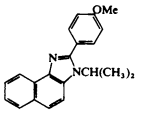


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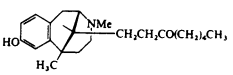


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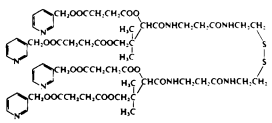
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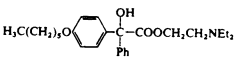
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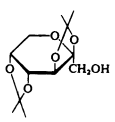
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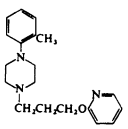
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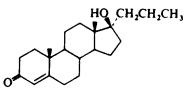
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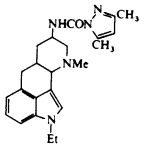
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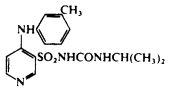
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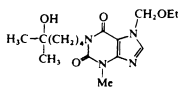
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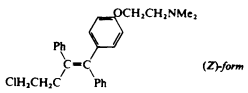
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T-00386

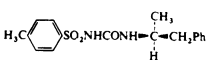


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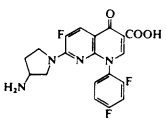


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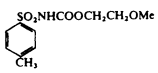
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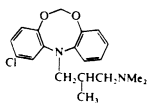
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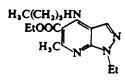
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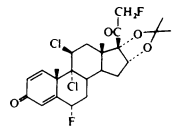
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T-00392



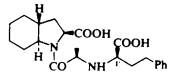
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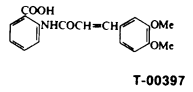
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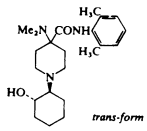
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T-00396

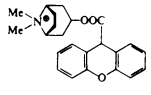


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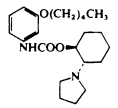


trans-form

T-00398



T-00399

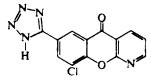


trans-form

T-00400

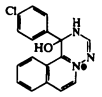


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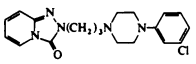


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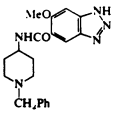
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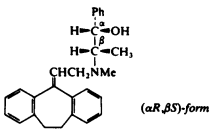
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T-00405

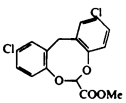


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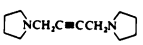


(αR,βS)-form

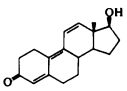
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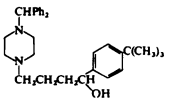
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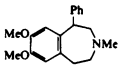
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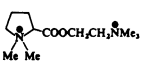
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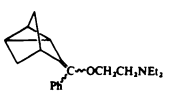
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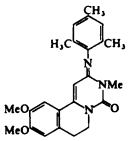
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T-00413



T-00414



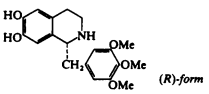
T-00415



T-00416

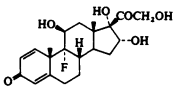
$(H_3C)_2CH(CH_2)_3CH(CH_3)(CH_2)_3C(OH)(CH_3)CH_2COOH$

T-00417

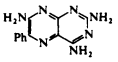


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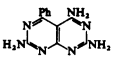
T-00418



T-00419



T-00420



T-00421



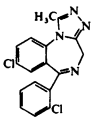
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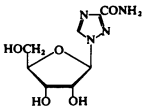
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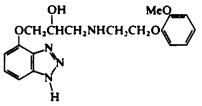
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T-00425



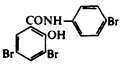
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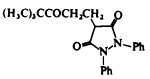
T-00427

Br_3CCH_2OH

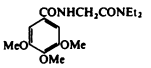
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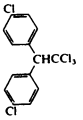
T-00429



T-00430



T-00431



T-00432

$Cl_3CCH(OH)_2$

T-00433

Cl_3CCH_2OH

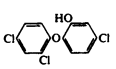
T-00434

$O{=}C(OCH_2CCl_3)_2$

T-00435

$Cl_2C{=}CHCl$

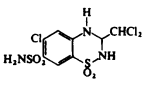
T-00436



T-00437

$Cl_3CCH(OH)NHCOOH$

T-00438



T-00439

$(H_3C)_3C(OH)CCl_3$

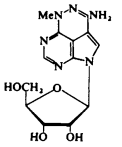
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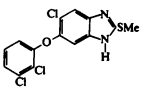
T-00442

$(MeO)_2P(O)CH(OH)CCl_3$

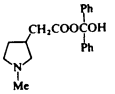
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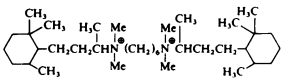
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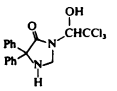
T-00446



T-00447



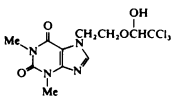
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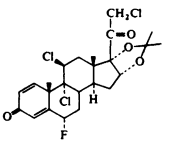
T-00449

$Cl_3CCH_2OP(O)(OH)_2$

T-00450



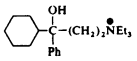
T-00451



T-00452

L-Ser-L-Tyr-L-Ser-L-Met-L-Glu-L-His-L-Phe-L-Arg-L-Trp-Gly-L-Lys-L-Pro-L-Val-Gly-L-Lys-L-Lys-L-Arg-L-Arg-L-Pro-L-Val-L-Lys-L-Val-L-Tyr-NH_2

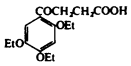
T-00453



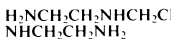
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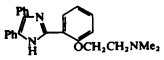
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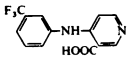
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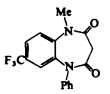
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T-00458



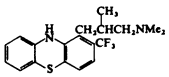
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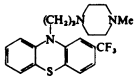
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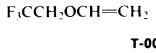
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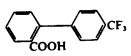
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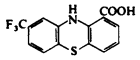
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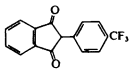
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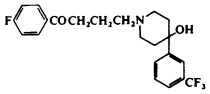
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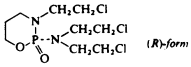
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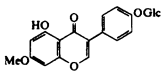
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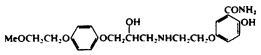
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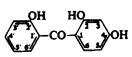
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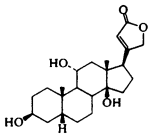
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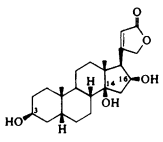
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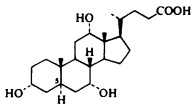
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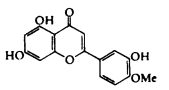
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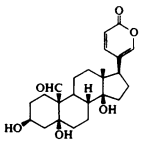
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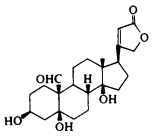
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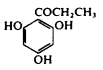
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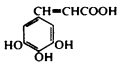
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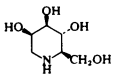
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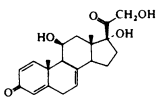
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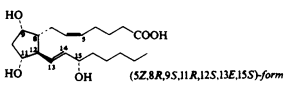
T-00480



T-00481

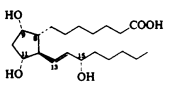


T-00482

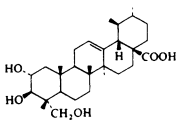


(5*Z*,8*R*,9*S*,11*R*,12*S*,13*E*,15*S*)-*form*

T-00483



T-00484



T-00485

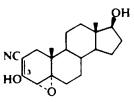


T-00486

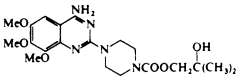
Absolute configuration

T-00487

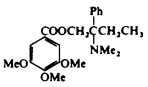
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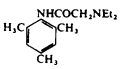
T-00489



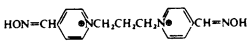
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T-00491



T-00492



T-00493

T-00494

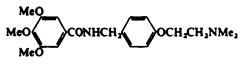
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T-00496

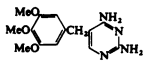
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T-00498

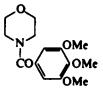
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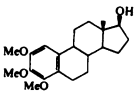
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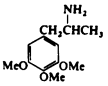
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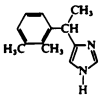
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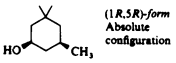
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T-00504

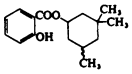


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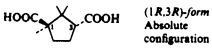


(1*R*,5*R*)-*form* Absolute configuration

T-00506

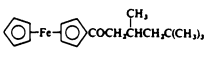


T-00507



(1*R*,3*R*)-*form* Absolute configuration

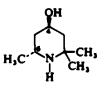
T-00508



T-00509

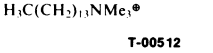


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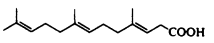


(4*R*,6*R*)-*form*

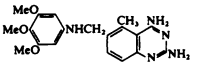
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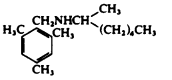
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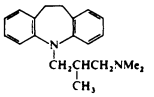
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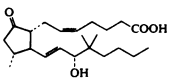
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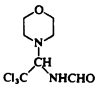
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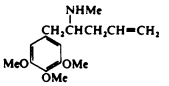
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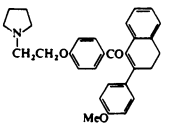
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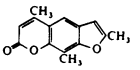
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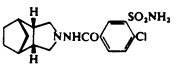
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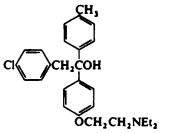
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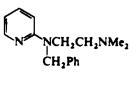
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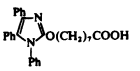
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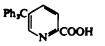
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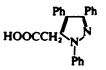
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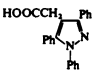
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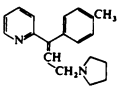
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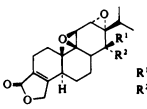
T-00527



T-00528



T-00529

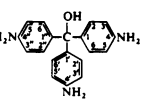


R¹=OH
R²=H

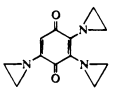
T-00530

H-5-OxoPro-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-NH_2

T-00531



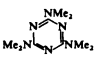
T-00532



T-00533

$(ClCH_2CH_2)_3N$

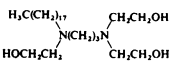
T-00534



T-00535

$N(CH_2CH_2OH)_3$

T-00536



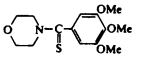
T-00537

$(O_2NOCH_2CH_2)_3N$

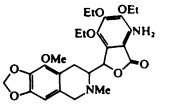
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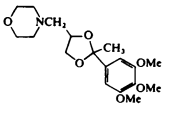
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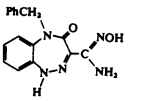
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T-00541



T-00542



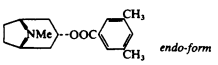
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T-00544

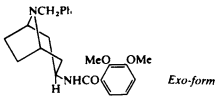
T-00545

Endo-form

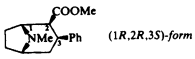
T-00546


endo-form

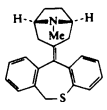
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Exo-form

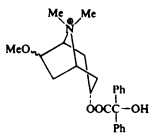
T-00548


(1*R*,2*R*,3*S*)-form

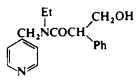
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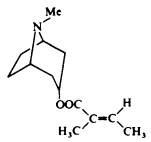
T-00550



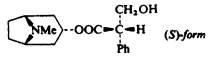
T-00551



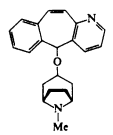
T-00552



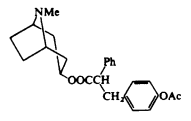
T-00553


(*S*)-form

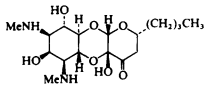
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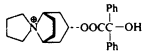
T-00555



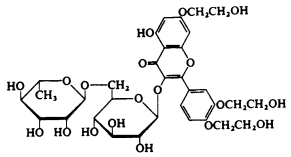
T-00556



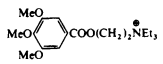
T-00557



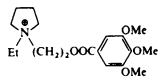
T-00558



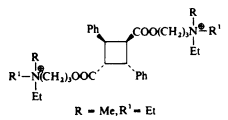
T-00559



T-00560



T-00561

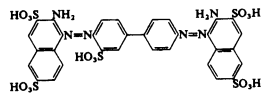

R = Me, R' = Et

T-00562

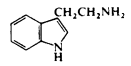
As T-00562 with

RR' = —(CH$_2$)$_5$—

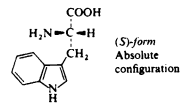
T-00563



T-00564



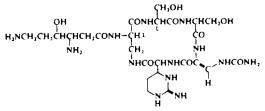
T-00566


(*S*)-form
Absolute configuration

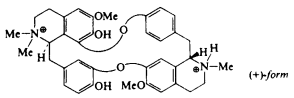
T-00567

H-Trp-Ala-Gly-Gly-Asp-Ala-Ser-Gly-GluOH

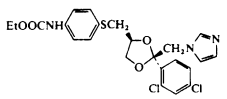
T-00568



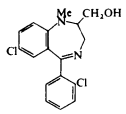
T-00569


(+)-form

T-00571



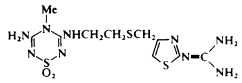
T-00572



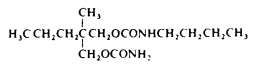
T-00573

Thr-Lys-Pro-Arg

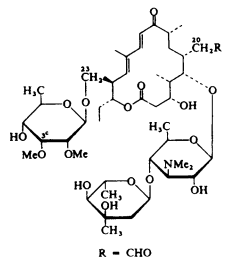
T-00574



T-00576



T-00577

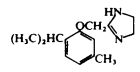

R = CHO

T-00578

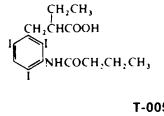
As T-00578 with

R = —CH$_2$OH

T-00579



T-00580

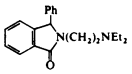


T-00581

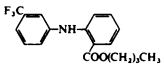
H-Tyr-Pro-Phe-Pro-NH$_2$

T-00582

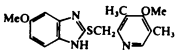
U



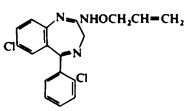
U-00001



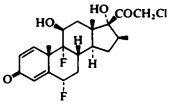
U-00002



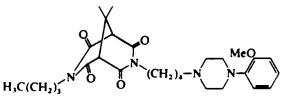
U-00003



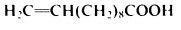
U-00004



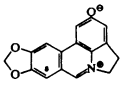
U-00006



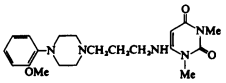
U-00007



U-00008



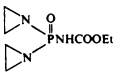
U-00009



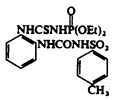
U-00010



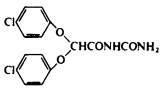
U-00011



U-00012

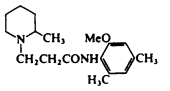


U-00013

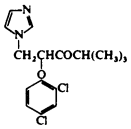


U-00014

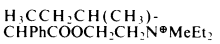
V



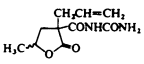
V-00001



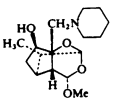
V-00002



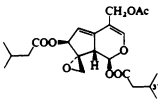
V-00003



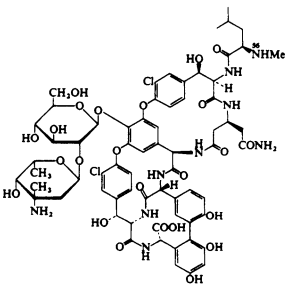
V-00004



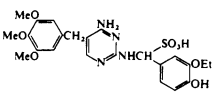
V-00005



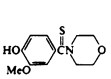
V-00006



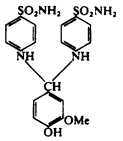
V-00007



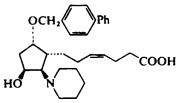
V-00008



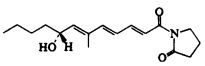
V-00009



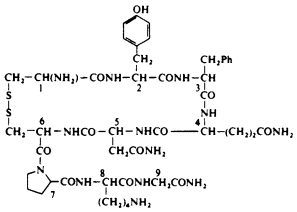
V-00010



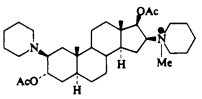
V-00011



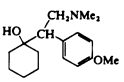
V-00012



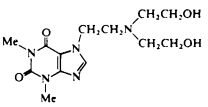
V-00013



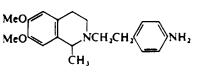
V-00014



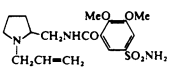
V-00015



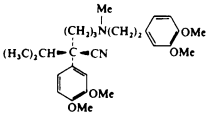
V-00016



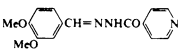
V-00017



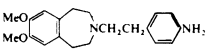
V-00018



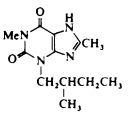
V-00019



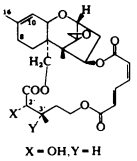
V-00020



V-00021

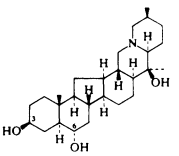


V-00022

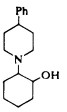


X = OH, Y = H

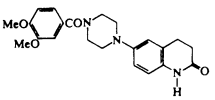
V-00023



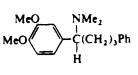
V-00024



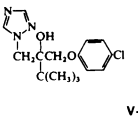
V-00025



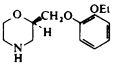
V-00026



V-00027

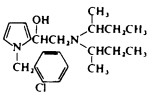


V-00028

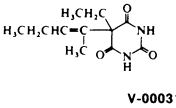


(*R*)-*form*
Absolute configuration

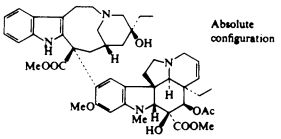
V-00029



V-00030

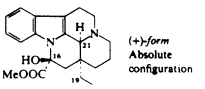


V-00031



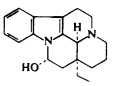
Absolute configuration

V-00032

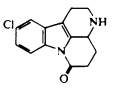


(+)-*form*
Absolute configuration

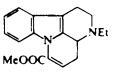
V-00033



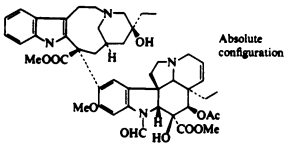
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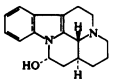
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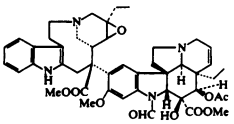
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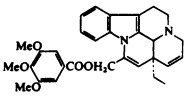
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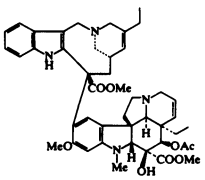
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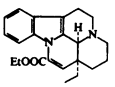
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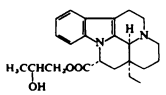
V-00040



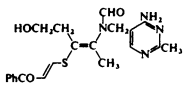
V-00041



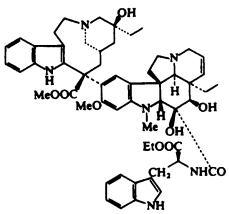
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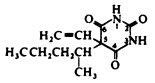
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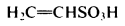
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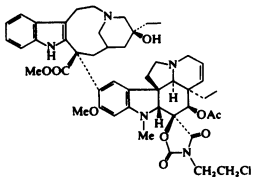
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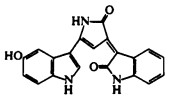
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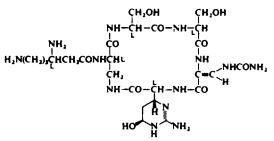
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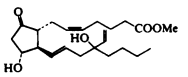
V-00048



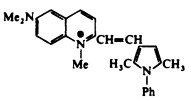
V-00049



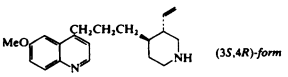
V-00050



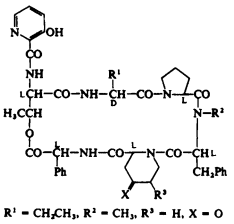
V-00051



V-00052

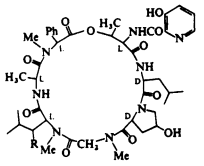


V-00053



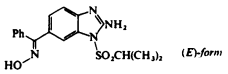
R^1 = CH_2CH_3, R^2 = CH_3, R^3 = H, X = O

V-00054

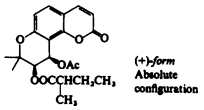


R = CH_3

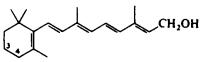
V-00055



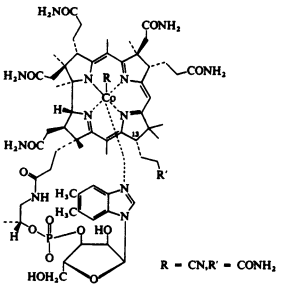
V-00056



V-00057



V-00058



R = CN, R′ = $CONH_2$

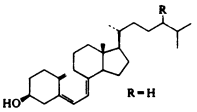
V-00059

As V-00059 with
R = H_2O, R′ = $CONH_2$

V-00060

As V-00059 with
R = OH, R′ = $CONH_2$

V-00061

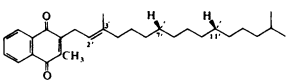


R = H

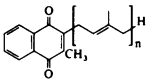
V-00062

As V-00062 with
R = CH_3

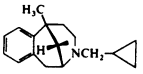
V-00063



V-00064

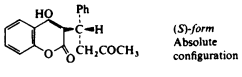


V-00065



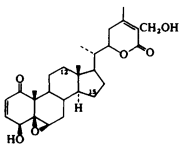
V-00066

W

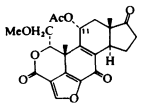


(*S*)-*form*
Absolute
configuration

W-00001



W-00002

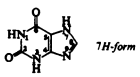


W-00003

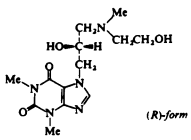
X



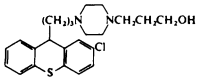
X-00001



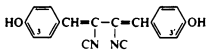
X-00002



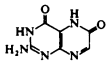
X-00003



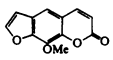
X-00004



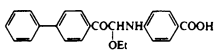
X-00005



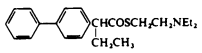
X-00006



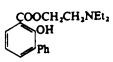
X-00007



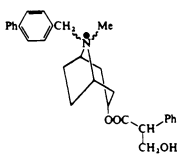
X-00008



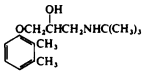
X-00009



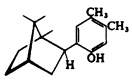
X-00010



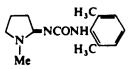
X-00011



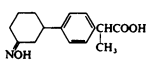
X-00012



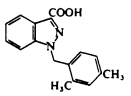
X-00013



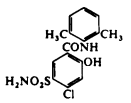
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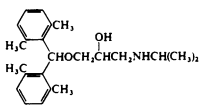
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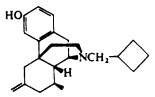
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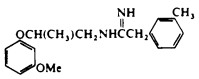
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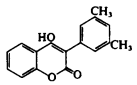
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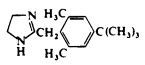
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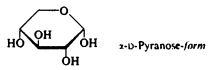
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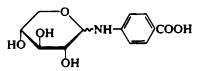
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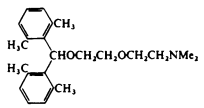
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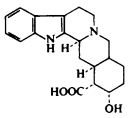


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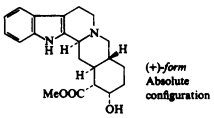


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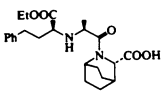


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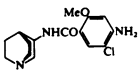


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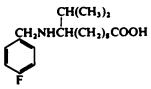
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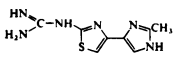
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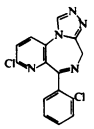
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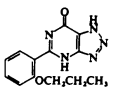
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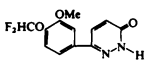
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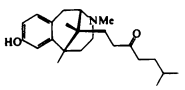
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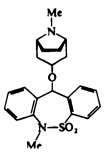
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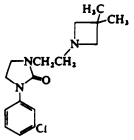
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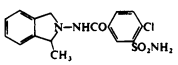
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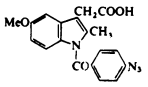
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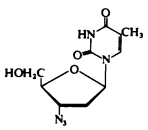
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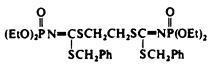
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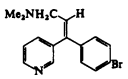
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Z-00013



Z-00014



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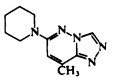
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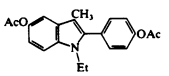
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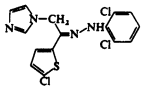
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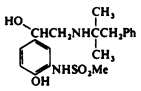
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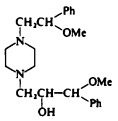
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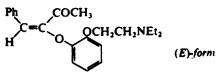
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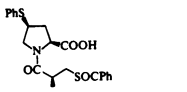


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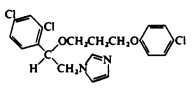


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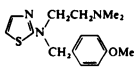
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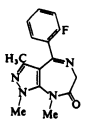
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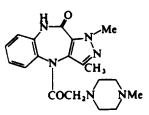
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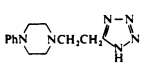
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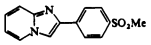
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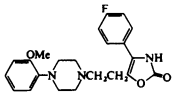
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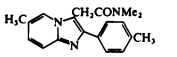
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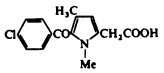
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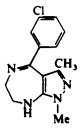
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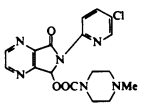
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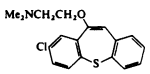
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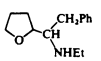
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Z-00037



Z-00039



Z-00040